

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059904.D
 Acq On : 29 Jan 2020 12:03
 Operator : JC/MD
 Sample : VN0129WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:00:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	193544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	297392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	268547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	125985	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	106735	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.56	113	89573	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.08	98	333532	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.40	95	119053	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	39318	16.884	ug/l 95
3) Chloromethane	2.04	50	36869	16.639	ug/l 97
4) Vinyl Chloride	2.17	62	47482	18.728	ug/l 98
5) Bromomethane	2.54	94	29446	19.032	ug/l 99
6) Chloroethane	2.69	64	23433	19.536	ug/l 98
7) Trichlorofluoromethane	3.00	101	58241	19.128	ug/l 97
8) Diethyl Ether	3.38	74	22154	20.733	ug/l 78
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34616	20.427	ug/l 93
10) Methyl Iodide	3.93	142	52106	19.023	ug/l 94
11) Tert butyl alcohol	4.73	59	32975	91.133	ug/l 97
12) 1,1-Dichloroethene	3.72	96	32644	18.435	ug/l 89
13) Acrolein	3.58	56	16367	63.900	ug/l 96
14) Allyl chloride	4.29	41	45588	19.101	ug/l # 87
15) Acrylonitrile	4.94	53	80969	98.100	ug/l 99
16) Acetone	3.78	43	94008	123.157	ug/l 94
17) Carbon Disulfide	4.03	76	82112	16.278	ug/l 99
18) Methyl Acetate	4.29	43	49833	19.849	ug/l # 91
19) Methyl tert-butyl Ether	5.00	73	118567	20.537	ug/l 96
20) Methylene Chloride	4.53	84	38212	18.844	ug/l 87
21) trans-1,2-Dichloroethene	5.01	96	35540	18.882	ug/l 84
22) Diisopropyl ether	5.91	45	105603	19.524	ug/l # 93
23) Vinyl Acetate	5.86	43	374220	89.362	ug/l # 94
24) 1,1-Dichloroethane	5.82	63	64371	19.478	ug/l 96
25) 2-Butanone	6.80	43	111051	91.237	ug/l # 88
26) 2,2-Dichloropropane	6.79	77	60975	19.191	ug/l 95
27) cis-1,2-Dichloroethene	6.80	96	43715	20.192	ug/l 87
28) Bromochloromethane	7.17	49	24078	18.228	ug/l # 70
29) Tetrahydrofuran	7.18	42	67550	89.698	ug/l # 87
30) Chloroform	7.35	83	69060	20.168	ug/l 99
31) Cyclohexane	7.63	56	54843	17.246	ug/l # 83
32) 1,1,1-Trichloroethane	7.54	97	62579	19.765	ug/l 96
36) 1,1-Dichloropropene	7.77	75	48655	18.787	ug/l 95
37) Ethyl Acetate	6.90	43	45135	18.582	ug/l 96
38) Carbon Tetrachloride	7.75	117	55204	19.596	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059904.D
 Acq On : 29 Jan 2020 12:03
 Operator : JC/MD
 Sample : VN0129WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:00:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	58443	18.302	ug/l	91
40) Benzene	8.02	78	148423	19.217	ug/l	100
41) Methacrylonitrile	7.17	41	63901	53.410	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	54195	20.695	ug/l	96
43) Isopropyl Acetate	8.14	43	77903	18.646	ug/l #	95
44) Trichloroethene	8.82	130	44453	21.083	ug/l	93
45) 1,2-Dichloropropane	9.10	63	38888	20.347	ug/l	97
46) Dibromomethane	9.19	93	28093	20.837	ug/l	91
47) Bromodichloromethane	9.39	83	55643	20.481	ug/l	99
48) Methyl methacrylate	9.18	41	32773	17.537	ug/l #	85
49) 1,4-Dioxane	9.18	88	13416	392.154	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	222445	92.103	ug/l	95
52) Toluene	10.14	92	96957	19.874	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	60072	19.802	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	64466	20.197	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	40350	20.883	ug/l	96
56) Ethyl methacrylate	10.42	69	54808	18.563	ug/l	93
57) 1,3-Dichloropropane	10.70	76	63705	20.767	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	84259	94.749	ug/l #	89
59) 2-Hexanone	10.74	43	164443	92.422	ug/l	93
60) Dibromochloromethane	10.89	129	44939	20.424	ug/l	98
61) 1,2-Dibromoethane	10.99	107	41523	20.503	ug/l	100
64) Tetrachloroethene	10.62	164	52109	23.808	ug/l	97
65) Chlorobenzene	11.43	112	107179	20.305	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	42071	20.628	ug/l	99
67) Ethyl Benzene	11.51	91	188942	19.719	ug/l	96
68) m/p-Xylenes	11.62	106	143597	39.673	ug/l	93
69) o-Xylene	11.94	106	69741	19.681	ug/l	95
70) Styrene	11.96	104	111647	18.829	ug/l	98
71) Bromoform	12.12	173	33517	20.516	ug/l #	98
73) Isopropylbenzene	12.25	105	186589	20.194	ug/l	99
74) N-amyl acetate	12.07	43	62425	17.411	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	52469	19.588	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	71413	33.682	ug/l #	100
77) Bromobenzene	12.52	156	48329	20.655	ug/l	81
78) n-propylbenzene	12.59	91	207142	19.974	ug/l	96
79) 2-Chlorotoluene	12.67	91	123324	19.989	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	156685	20.164	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18952	19.196	ug/l	95
82) 4-Chlorotoluene	12.77	91	126166	20.389	ug/l	96
83) tert-Butylbenzene	12.99	119	134438	20.004	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	155937	20.284	ug/l	97
85) sec-Butylbenzene	13.17	105	175161	19.838	ug/l	98
86) p-Isopropyltoluene	13.29	119	162662	19.909	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	84247	20.728	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	83020	20.475	ug/l	97
89) n-Butylbenzene	13.61	91	136202	19.552	ug/l	98
90) Hexachloroethane	13.87	117	29740	19.455	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	81508	20.285	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11220	18.187	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
Data File : VN059904.D
Acq On : 29 Jan 2020 12:03
Operator : JC/MD
Sample : VN0129WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 30 00:00:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

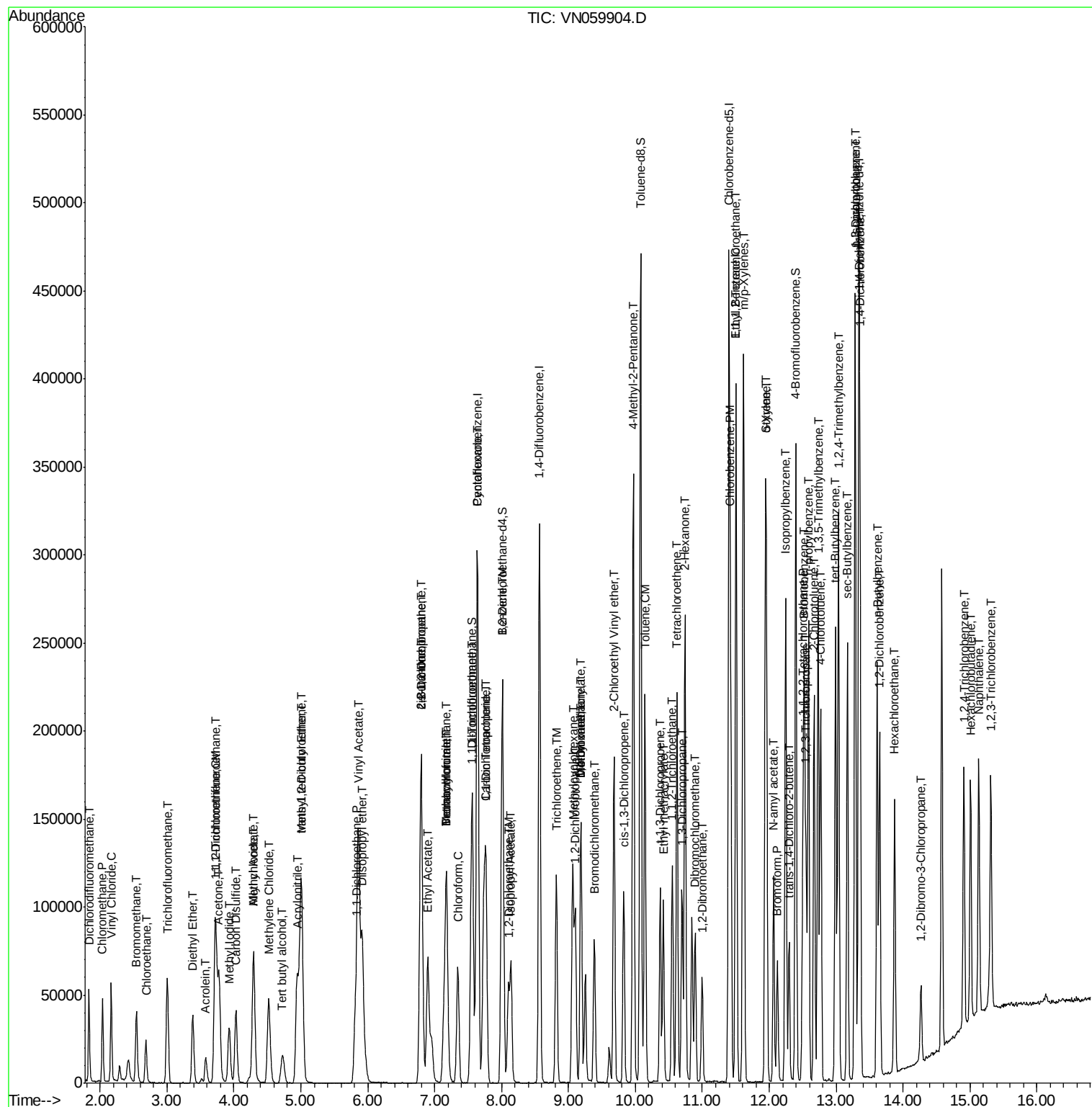
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48689	20.166	ug/l	99
94) Hexachlorobutadiene	15.01	225	26068	19.593	ug/l	97
95) Naphthalene	15.13	128	128239	18.673	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46893	19.953	ug/l	98

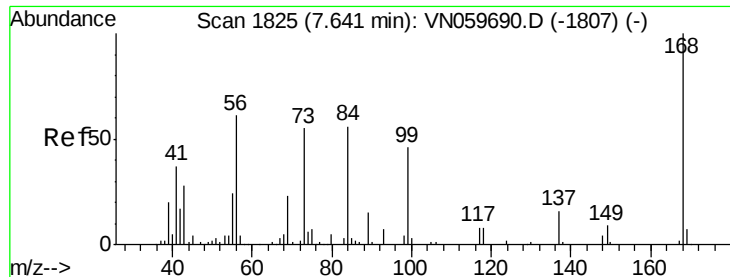
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059904.D
 Acq On : 29 Jan 2020 12:03
 Operator : JC/MD
 Sample : VN0129WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :

Quant Time: Jan 30 00:00:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

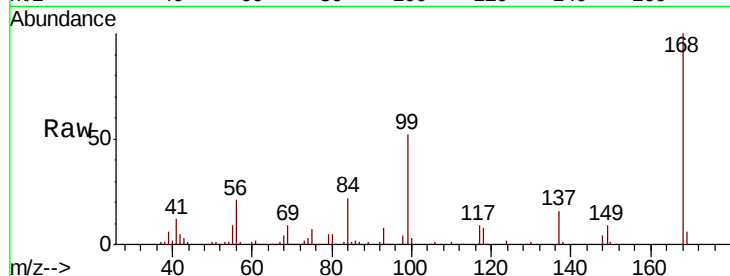
ClientSampled :

Tot Ion:168 Resp: 193544

Ion Ratio Lower Upper

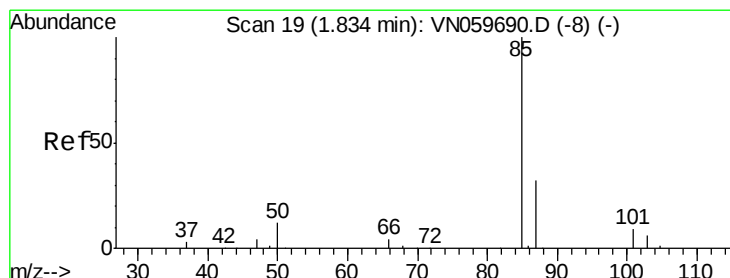
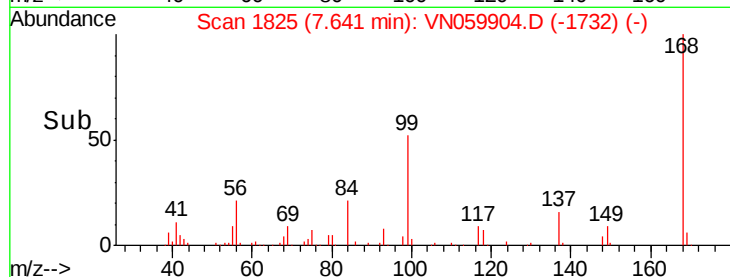
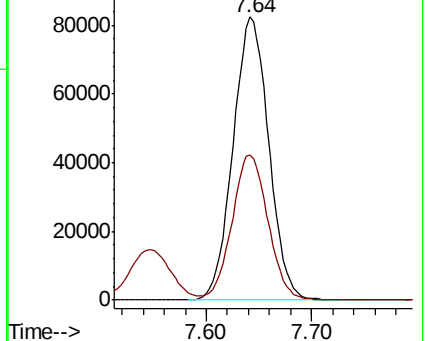
168 100

99 51.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 16.884 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059904.D

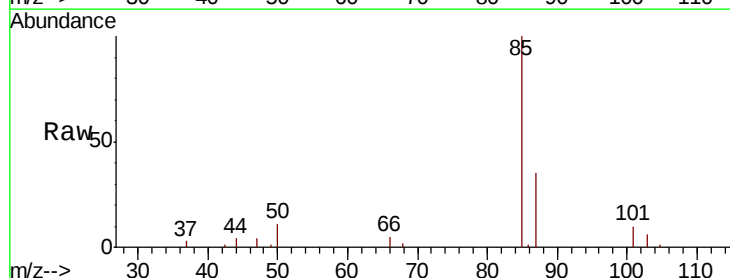
Acq: 29 Jan 2020 12:03

Tgt Ion: 85 Resp: 39318

Ion Ratio Lower Upper

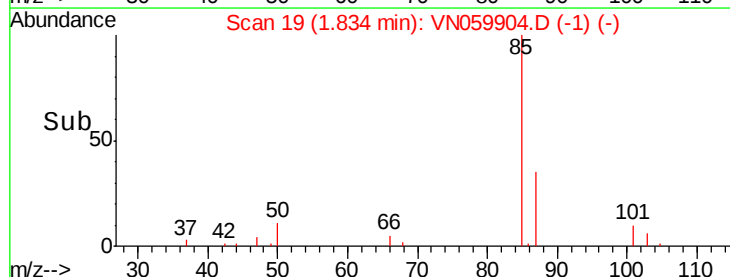
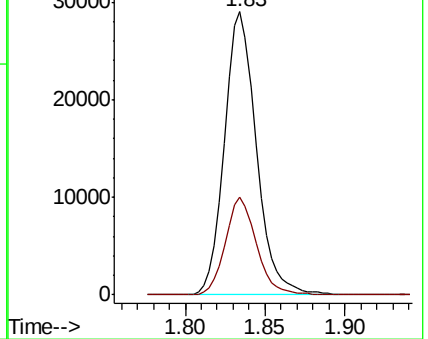
85 100

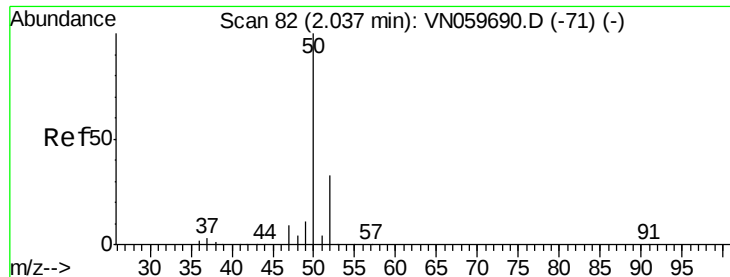
87 34.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

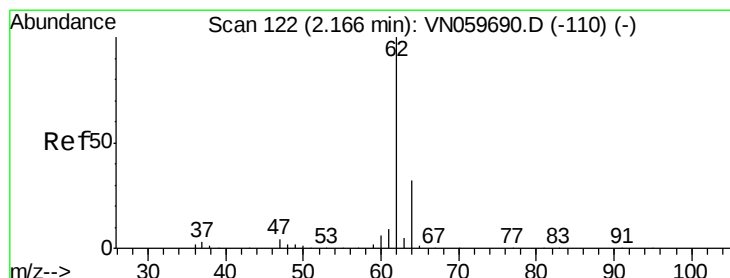
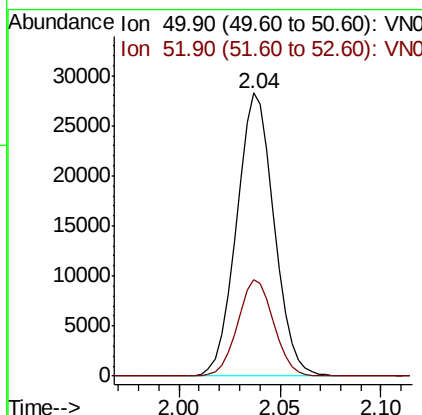
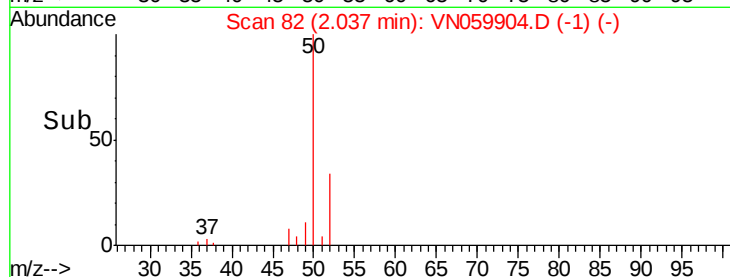
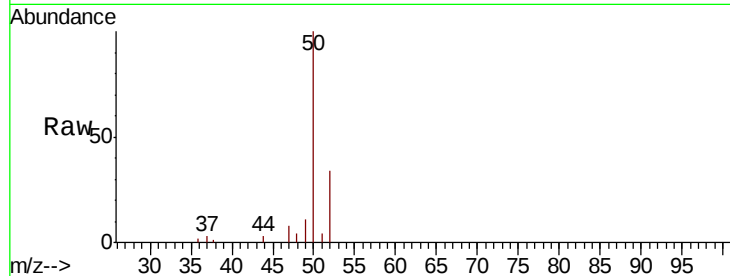




#3
Chloromethane
Concen: 16.639 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

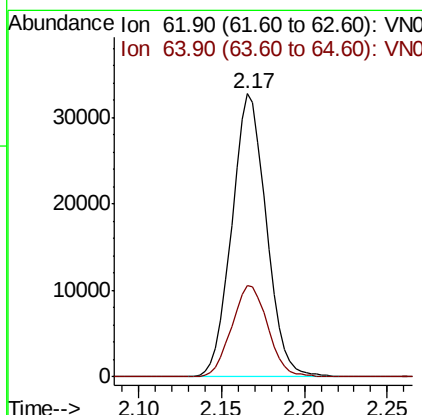
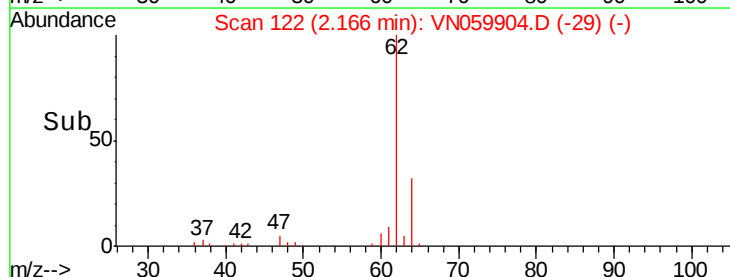
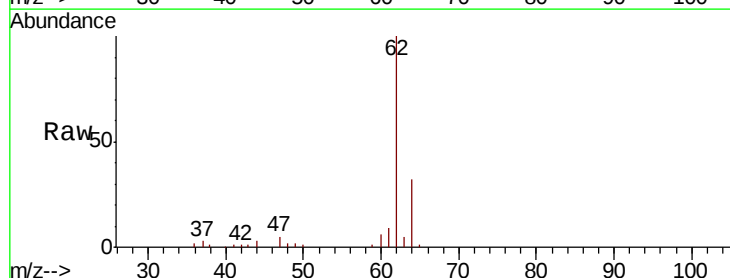
Instrument :
MSVOA_N
ClientSampled :

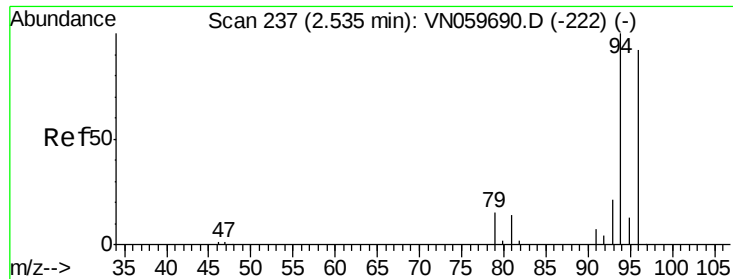
Tot Ion: 50 Resp: 36869
Ion Ratio Lower Upper
50 100
52 34.1 25.9 38.9



#4
Vinyl Chloride
Concen: 18.728 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion: 62 Resp: 47482
Ion Ratio Lower Upper
62 100
64 32.1 24.6 37.0

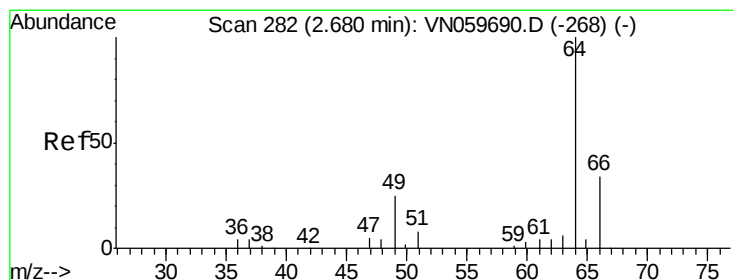
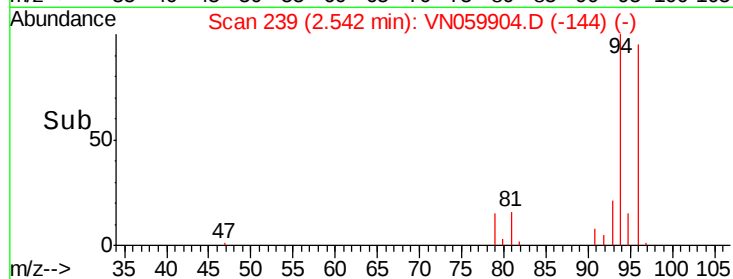
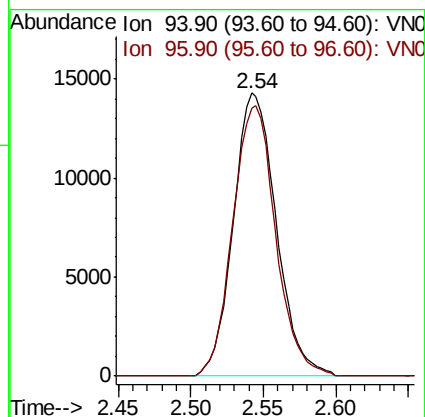
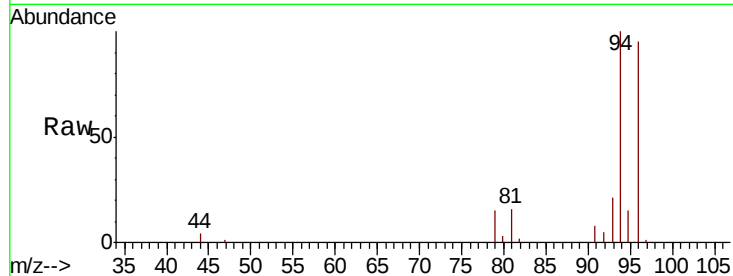




#5
Bromomethane
Concen: 19.032 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.01 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

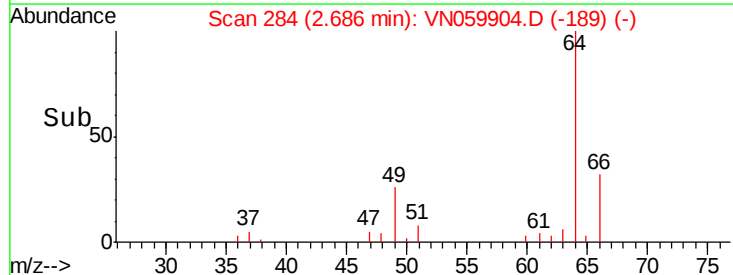
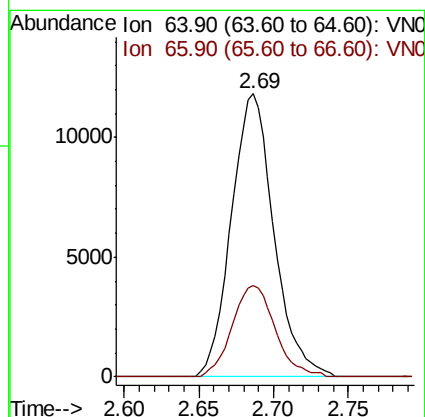
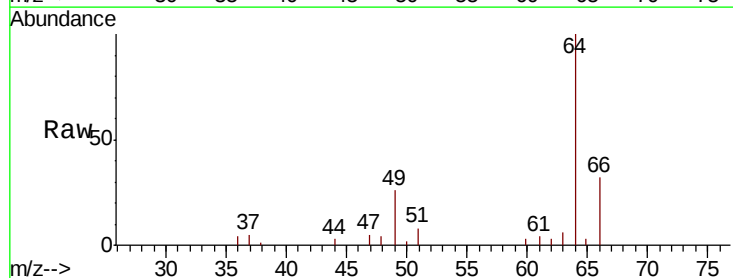
Instrument :
MSVOA_N
ClientSampleId :

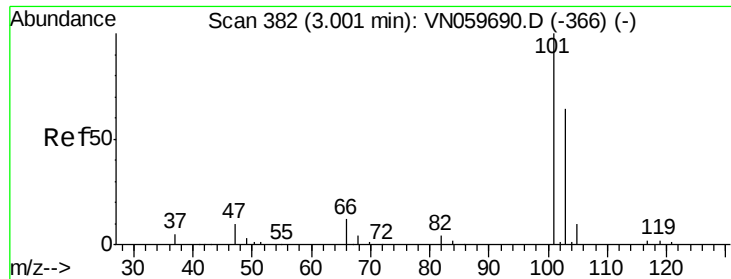
Tot Ion: 94 Resp: 29446
Ion Ratio Lower Upper
94 100
96 94.7 74.7 112.1



#6
Chloroethane
Concen: 19.536 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion: 64 Resp: 23433
Ion Ratio Lower Upper
64 100
66 32.4 25.1 37.7



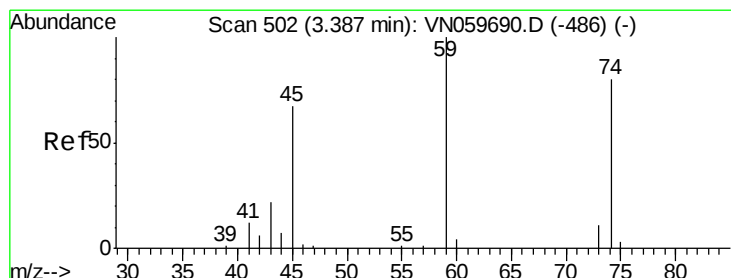
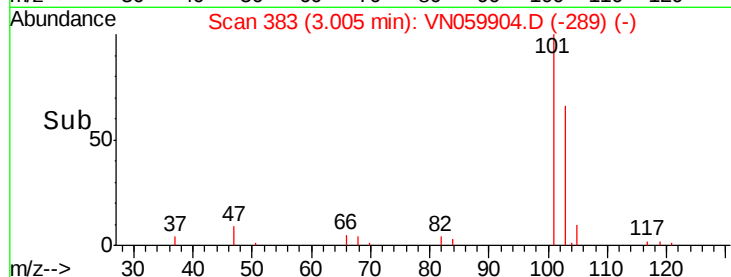
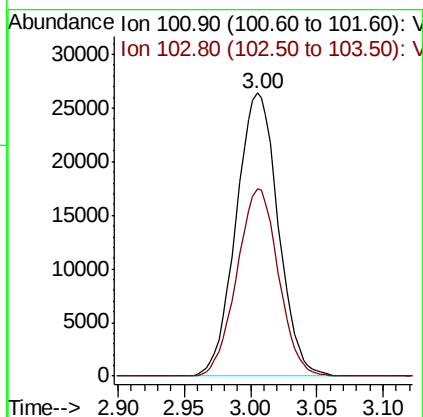
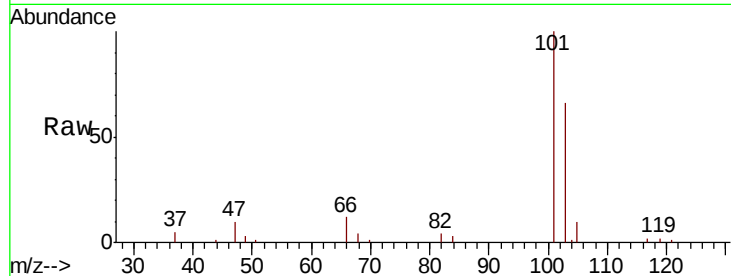


#7

Trichlorofluoromethane
Concen: 19.128 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Instrument :
MSVOA_N
ClientSampled :

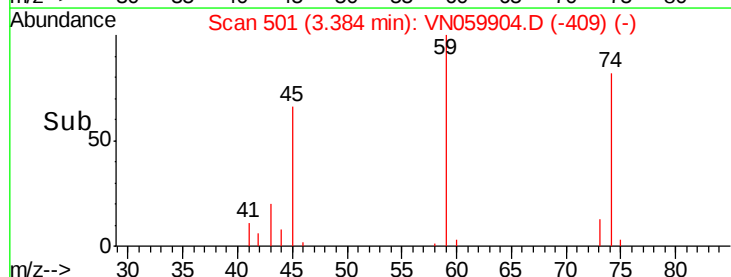
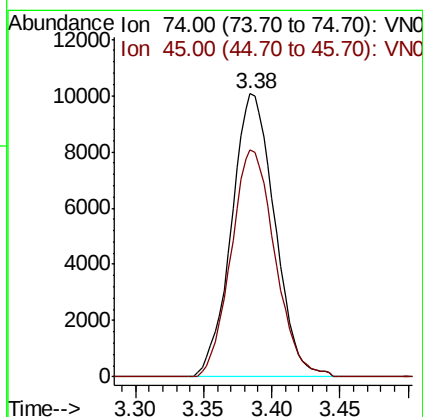
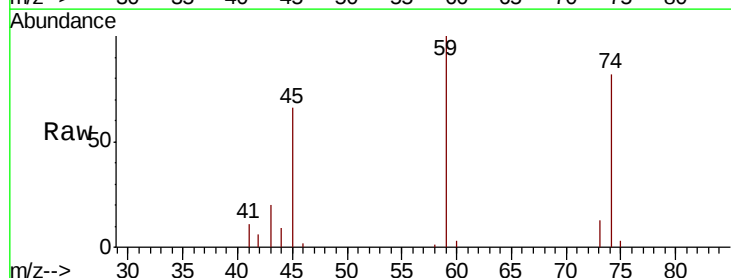
Tot Ion:101 Resp: 58241
Ion Ratio Lower Upper
101 100
103 66.3 51.0 76.6

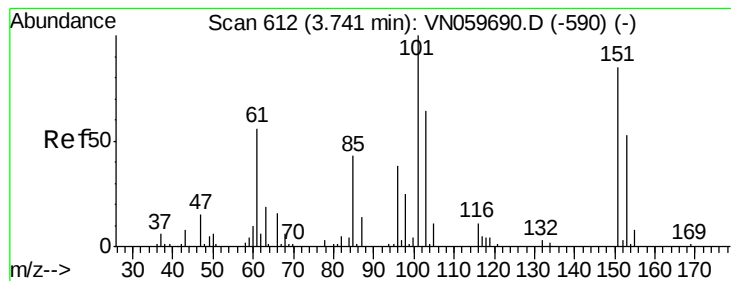


#8

Diethyl Ether
Concen: 20.733 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion: 74 Resp: 22154
Ion Ratio Lower Upper
74 100
45 81.3 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.427 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

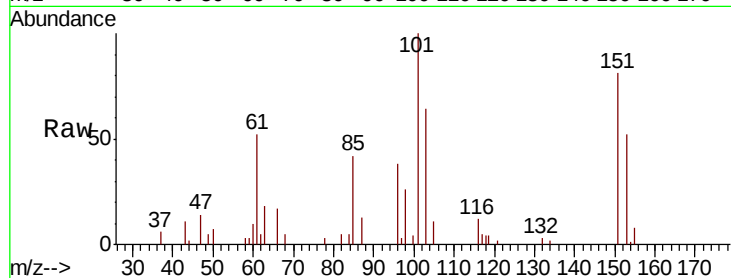
Tot Ion:101 Resp: 34616

Ion Ratio Lower Upper

101 100

85 43.6 36.6 54.8

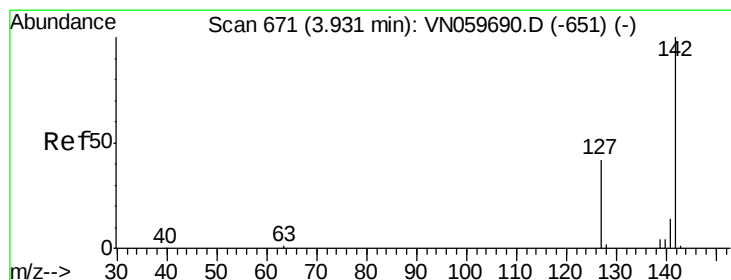
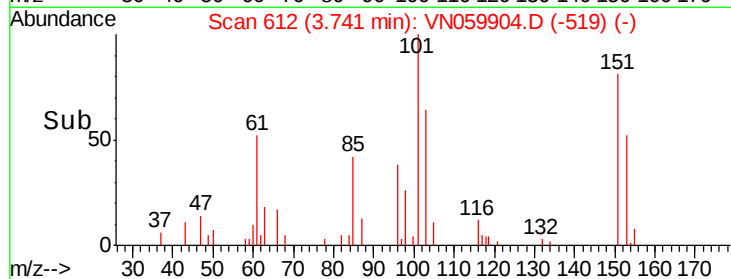
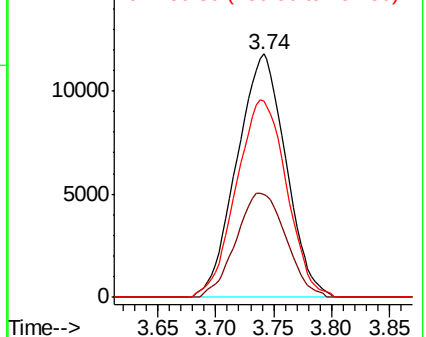
151 83.2 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.023 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

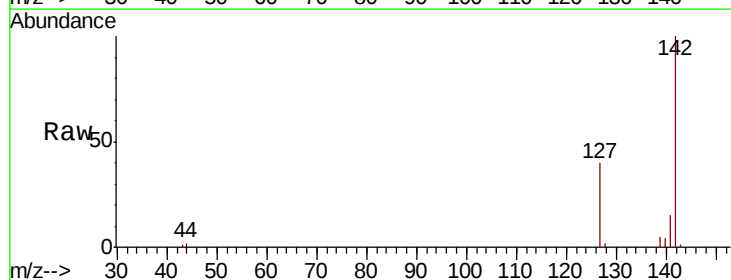
Tgt Ion:142 Resp: 52106

Ion Ratio Lower Upper

142 100

127 41.1 36.7 55.1

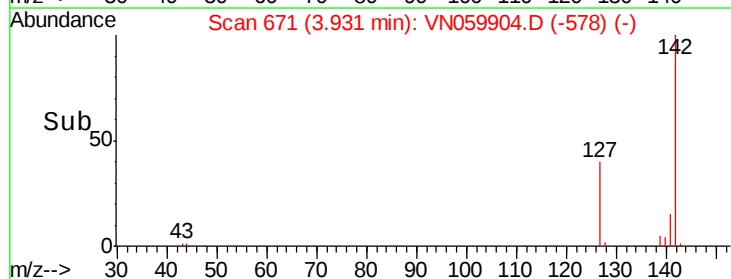
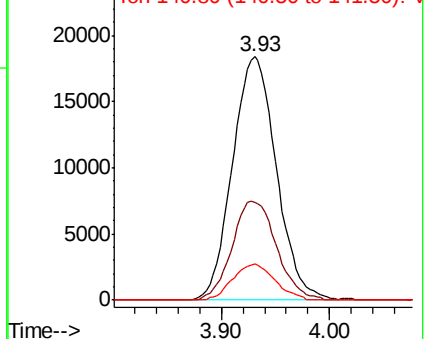
141 14.2 11.7 17.5

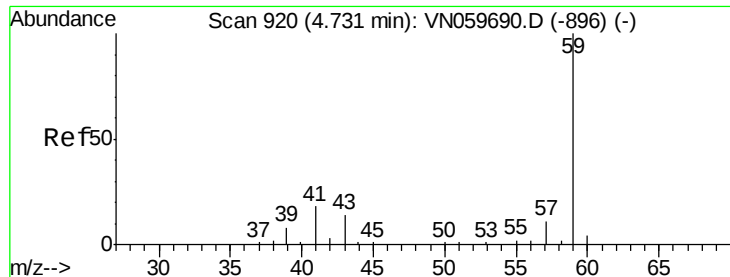


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

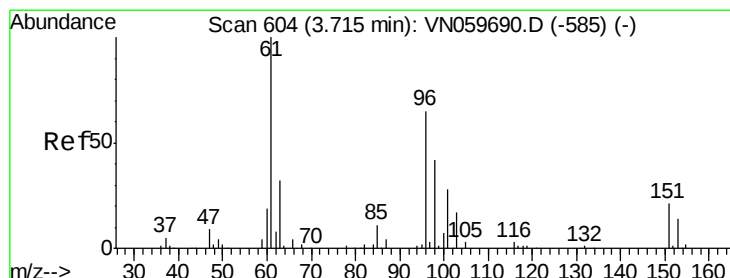
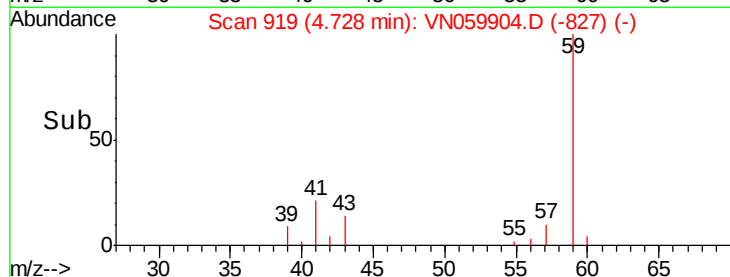
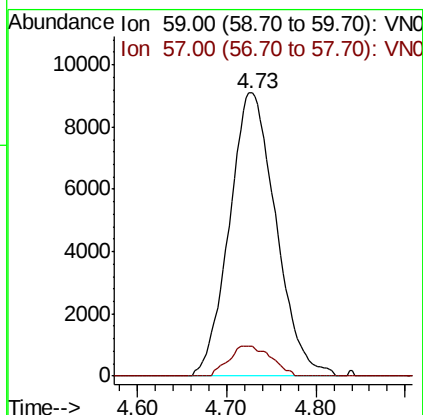
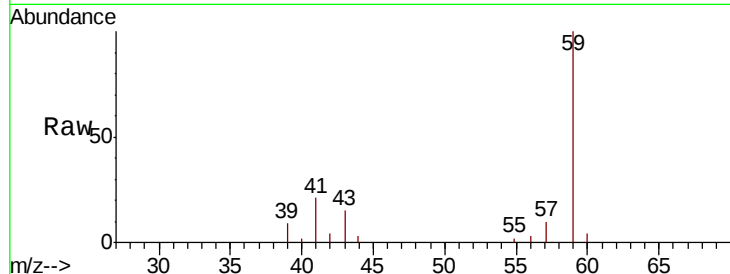




#11
Tert butyl alcohol
Concen: 91.133 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

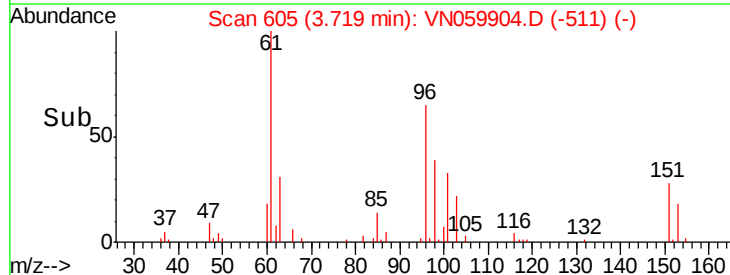
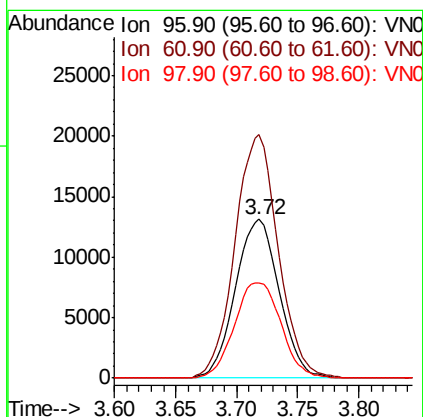
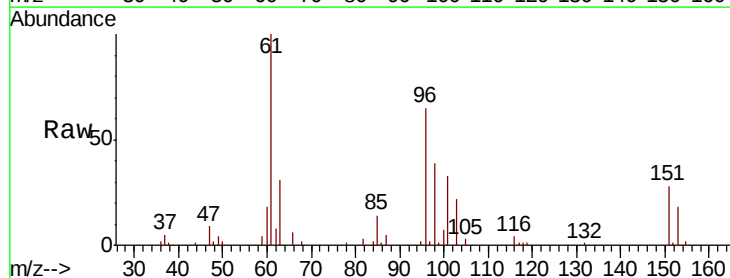
Instrument :
MSVOA_N
ClientSampled :

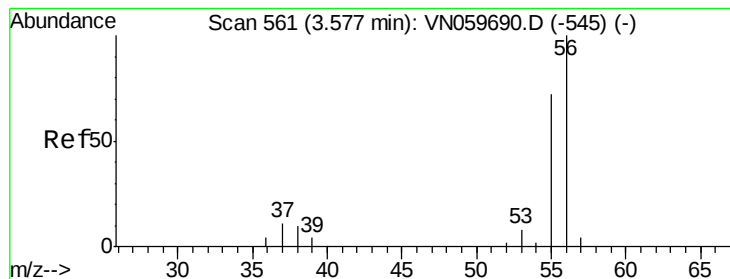
Tot Ion: 59 Resp: 32975
Ion Ratio Lower Upper
59 100
57 9.6 8.6 12.8



#12
1,1-Dichloroethene
Concen: 18.435 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion: 96 Resp: 32644
Ion Ratio Lower Upper
96 100
61 153.1 137.5 206.3
98 60.1 50.2 75.4





#13

Acrolein

Concen: 63.900 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

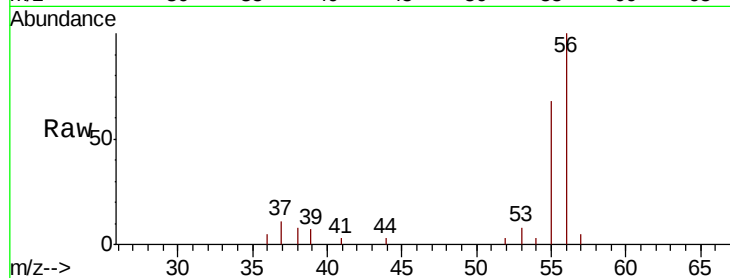
ClientSampleId :

Tot Ion: 56 Resp: 16367

Ion Ratio Lower Upper

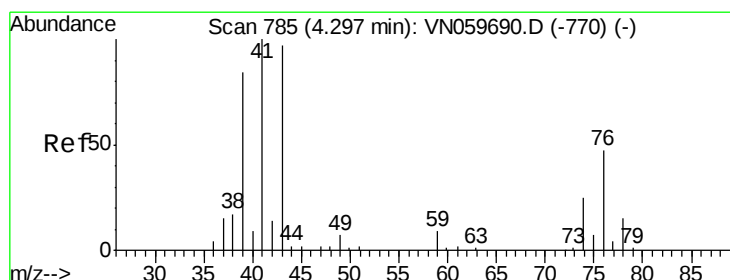
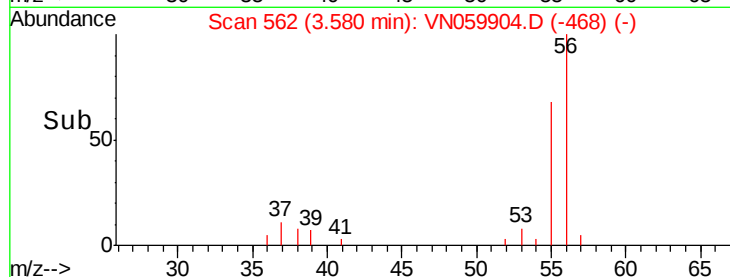
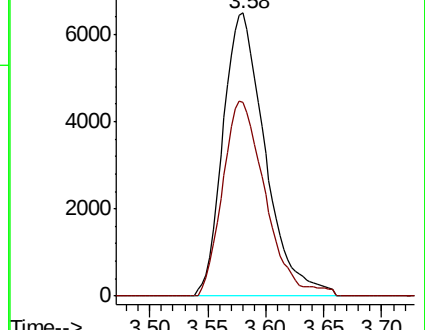
56 100

55 69.9 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN059904.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN059904.D (-545) (-)



#14

Allyl chloride

Concen: 19.101 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

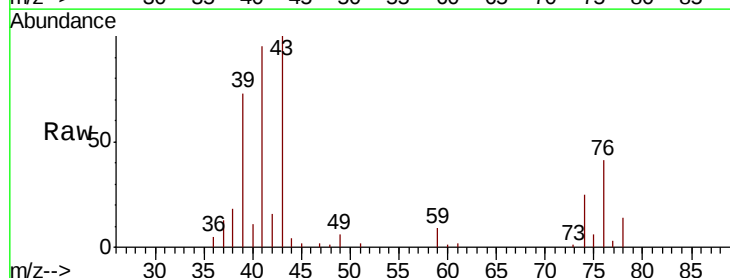
Tgt Ion: 41 Resp: 45588

Ion Ratio Lower Upper

41 100

39 80.9 57.8 86.8

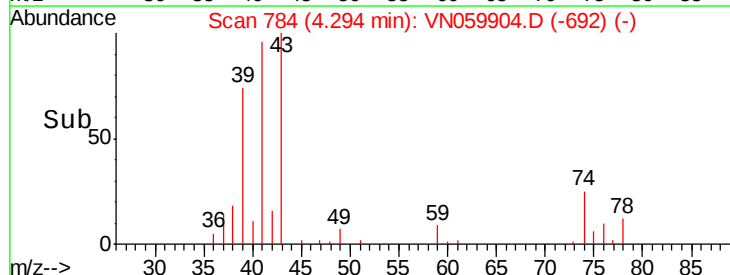
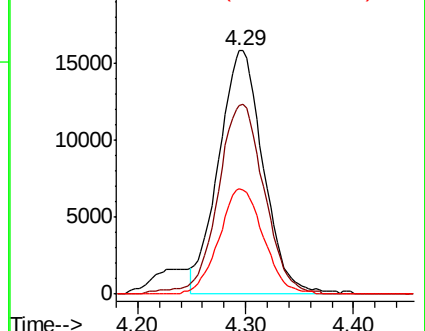
76 42.9 25.4 38.0#

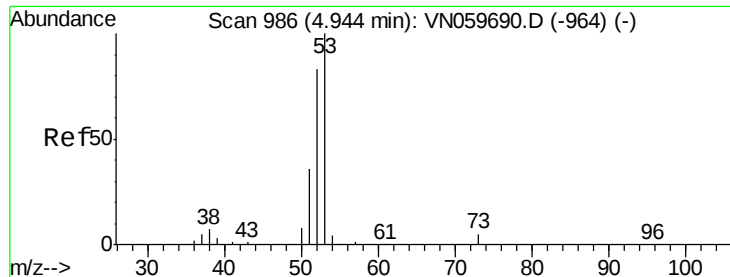


Abundance Ion 41.00 (40.70 to 41.70): VN059904.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN059904.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN059904.D (-692) (-)





#15

Acrylonitrile

Concen: 98.100 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

ClientSampled :

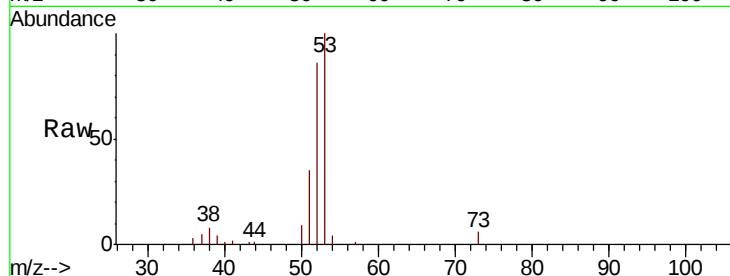
Tot Ion: 53 Resp: 80969

Ion Ratio Lower Upper

53 100

52 82.5 66.3 99.5

51 36.1 29.7 44.5



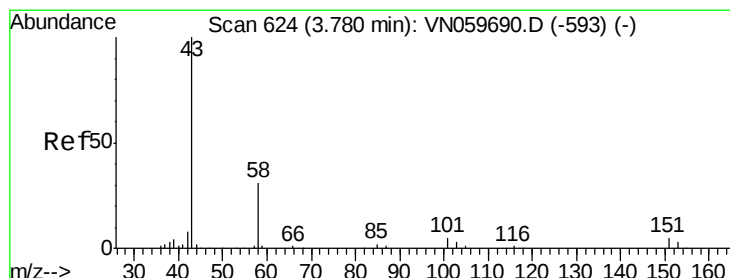
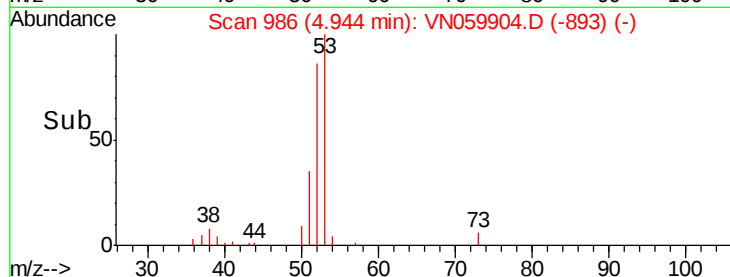
Abundance Ion 53.00 (52.70 to 53.70): VN059904.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN059904.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN059904.D (-964) (-)

4.94

Time-->



#16

Acetone

Concen: 123.157 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN059904.D

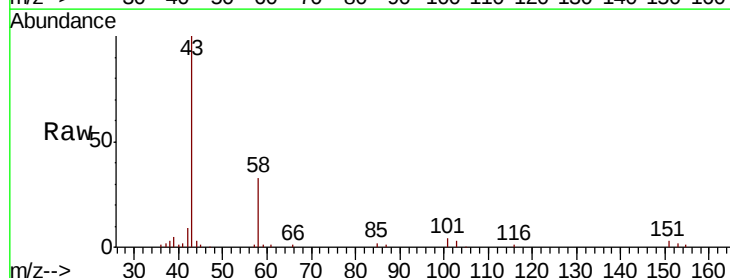
Acq: 29 Jan 2020 12:03

Tgt Ion: 43 Resp: 94008

Ion Ratio Lower Upper

43 100

58 33.0 23.6 35.4

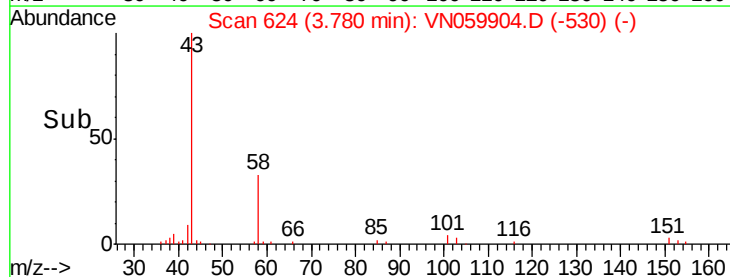


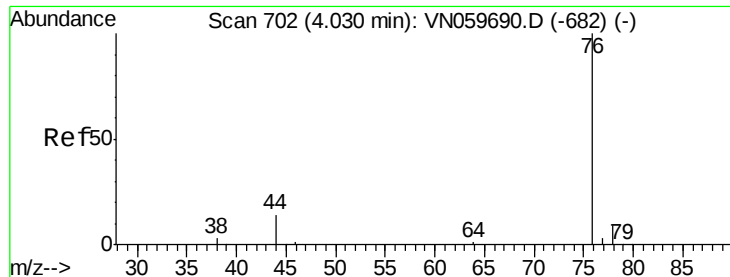
Abundance Ion 43.00 (42.70 to 43.70): VN059904.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059904.D (-593) (-)

3.78

Time-->

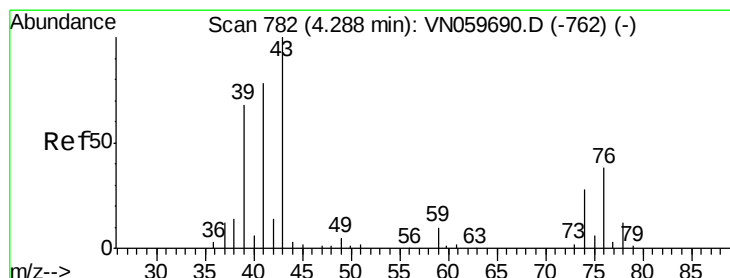
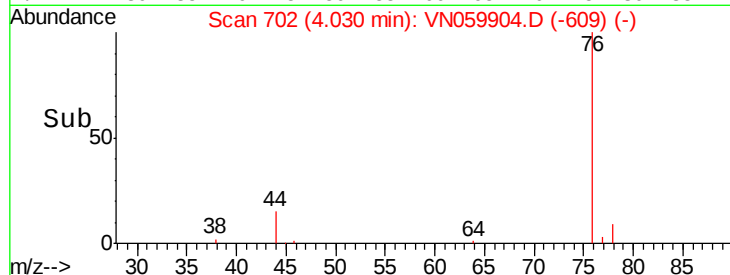
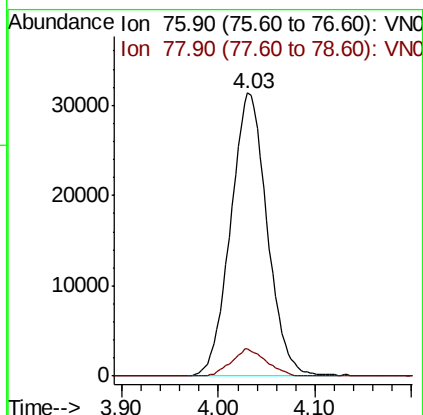
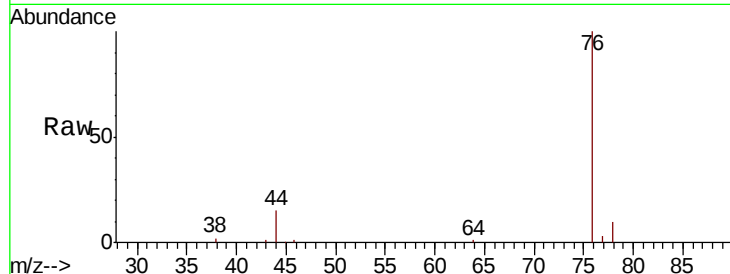




#17
Carbon Disulfide
Concen: 16.278 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

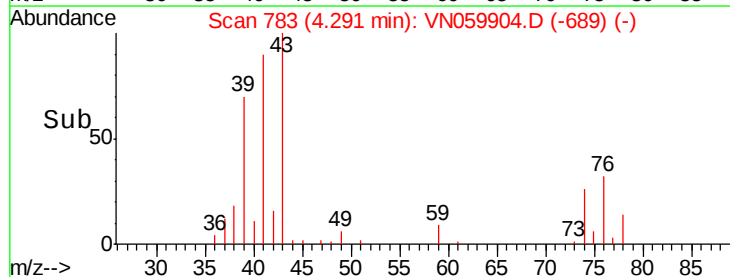
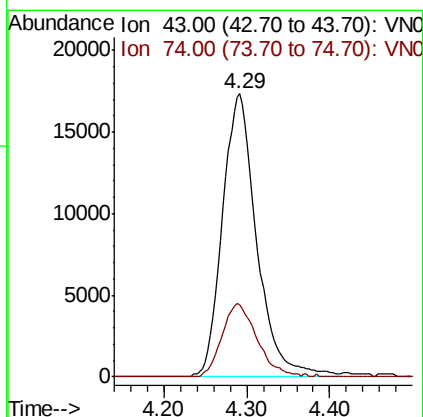
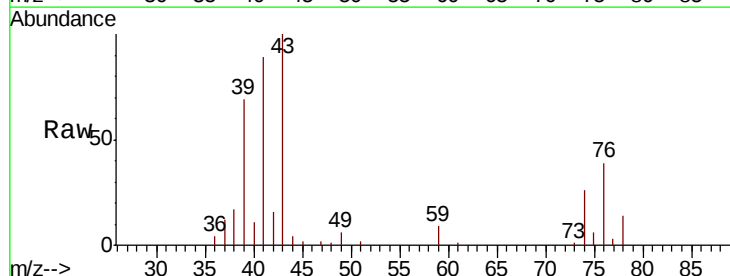
Instrument :
MSVOA_N
ClientSampleId :

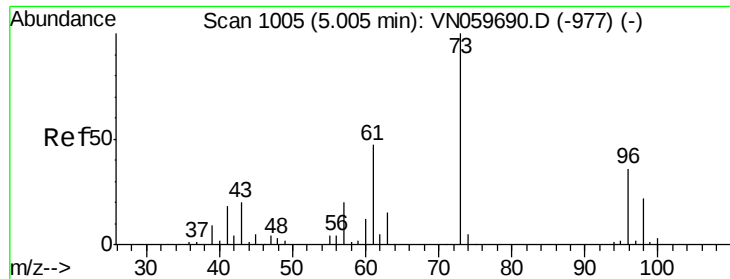
Tot Ion: 76 Resp: 82112
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#18
Methyl Acetate
Concen: 19.849 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion: 43 Resp: 49833
Ion Ratio Lower Upper
43 100
74 26.4 17.5 26.3#

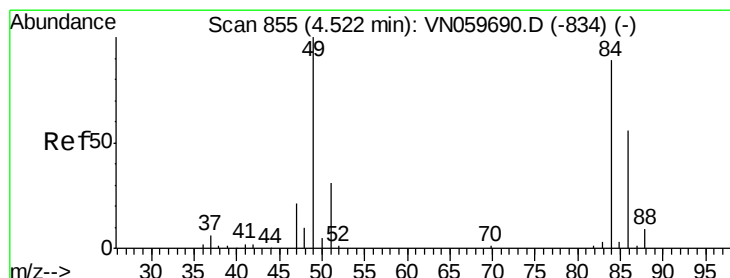
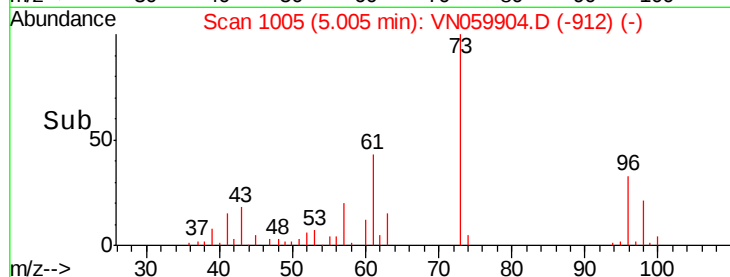
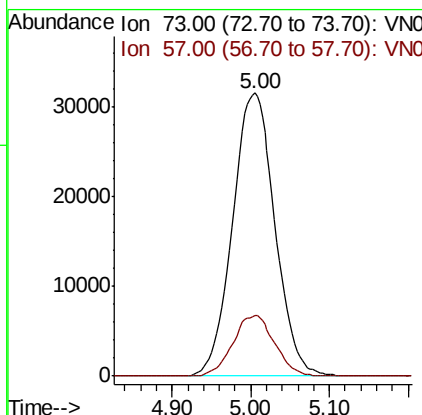
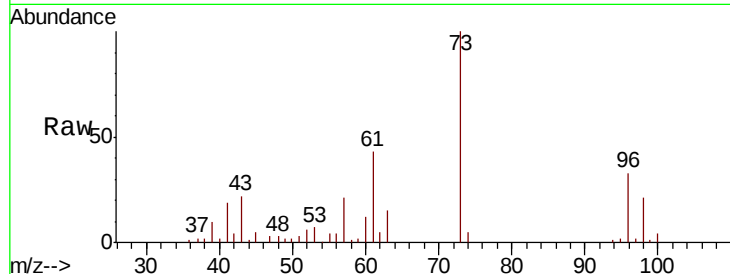




#19
Methvl tert-butvl Ether
Concen: 20.537 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

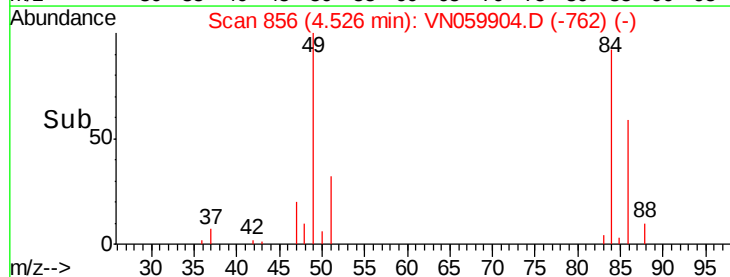
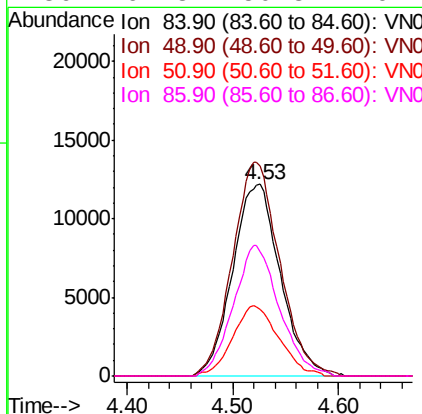
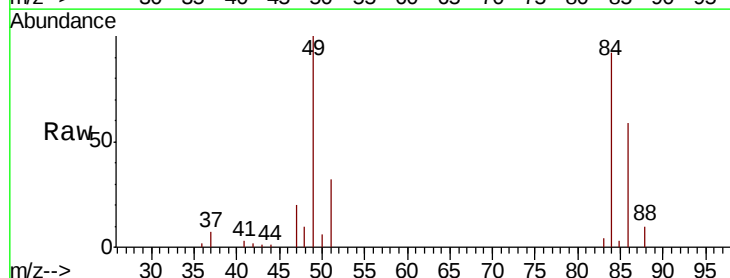
Instrument :
MSVOA_N
ClientSampleId :

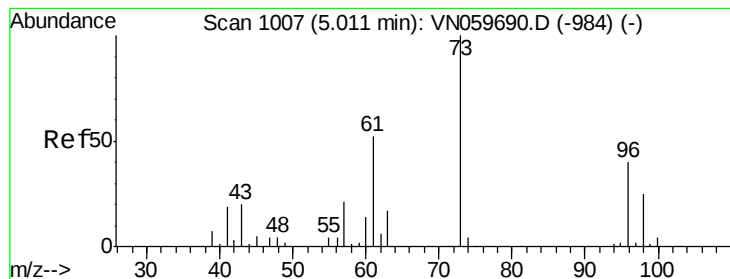
Tot Ion: 73 Resp: 118567
Ion Ratio Lower Upper
73 100
57 21.4 18.6 27.8



#20
Methylene Chloride
Concen: 18.844 ug/l
RT: 4.53 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion: 84 Resp: 38212
Ion Ratio Lower Upper
84 100
49 109.1 106.6 160.0
51 34.5 31.9 47.9
86 64.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 18.882 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

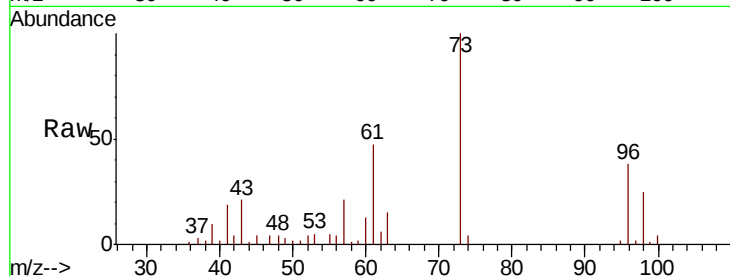
Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 35540

Ion	Ratio	Lower	Upper
96	100		
61	124.1	120.4	180.6
98	66.4	50.6	75.8

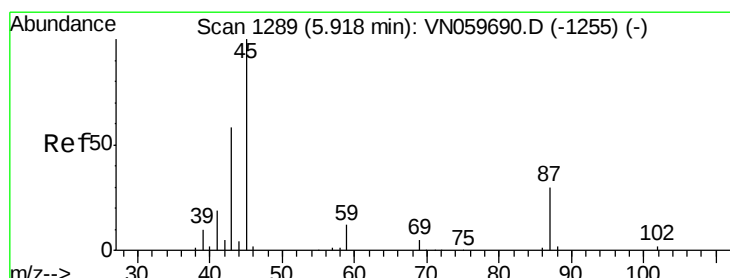
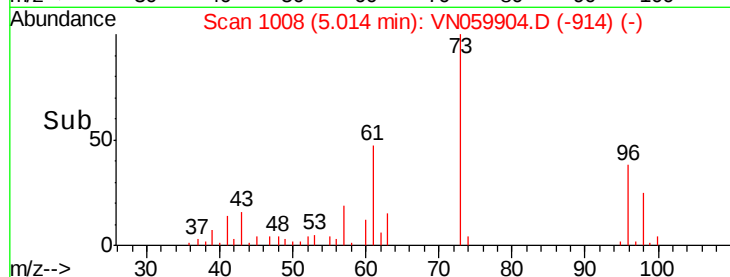
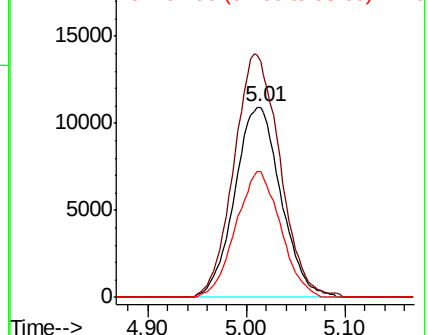


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.524 ug/l

RT: 5.91 min Scan# 1288

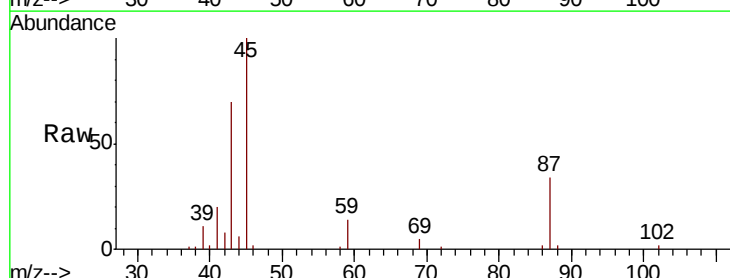
Delta R.T. -0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Tgt Ion: 45 Resp: 105603

Ion	Ratio	Lower	Upper
45	100		
43	66.7	50.8	76.2
87	34.0	21.0	31.6
59	13.5	9.1	13.7



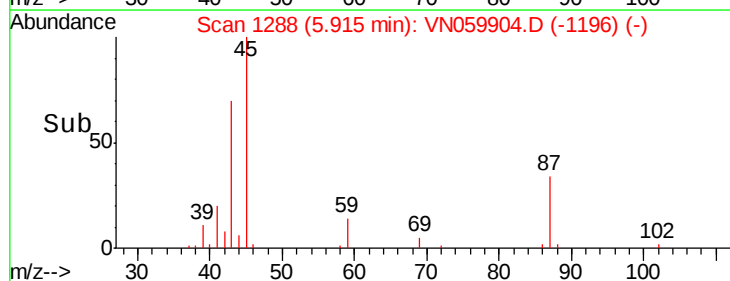
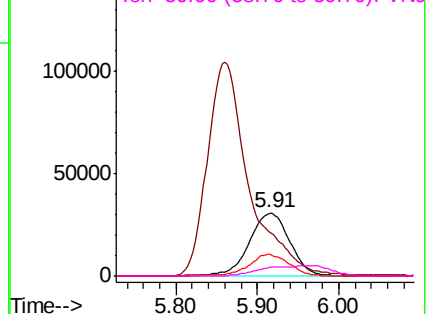
Abundance

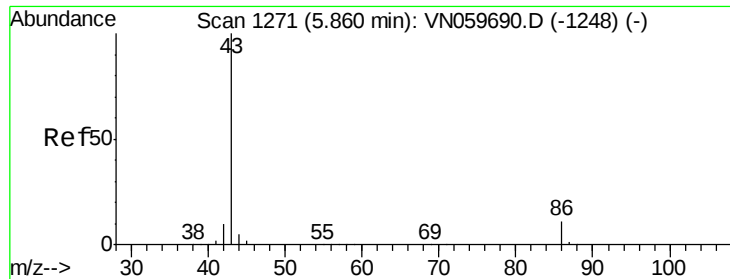
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 89.362 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

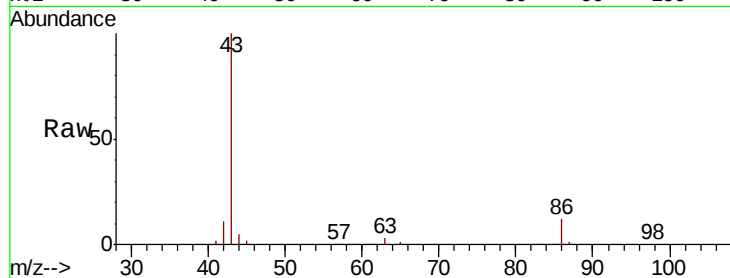
ClientSampleId :

Tot Ion: 43 Resp: 374220

Ion Ratio Lower Upper

43 100

86 11.6 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

120000

100000

80000

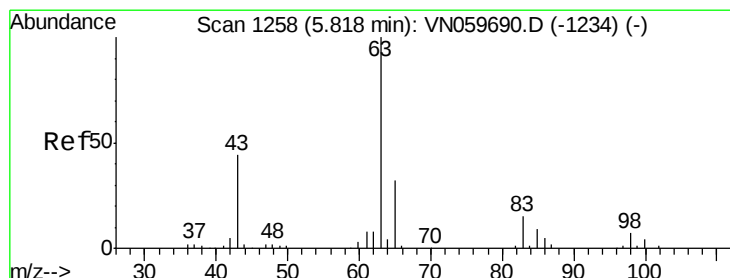
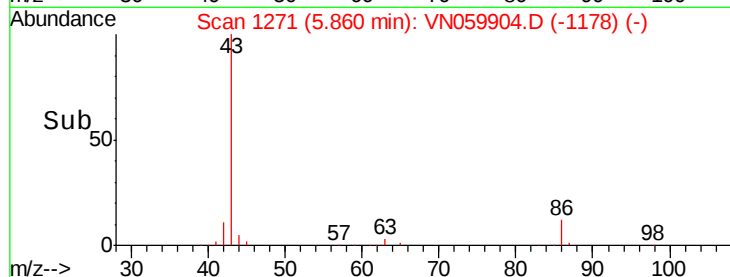
60000

40000

20000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.478 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

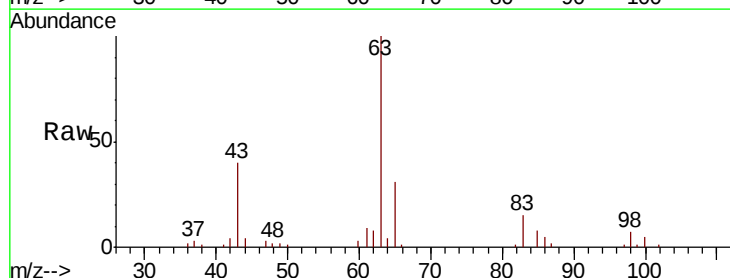
Tgt Ion: 63 Resp: 64371

Ion Ratio Lower Upper

63 100

98 7.4 2.9 8.7

100 4.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

25000

20000

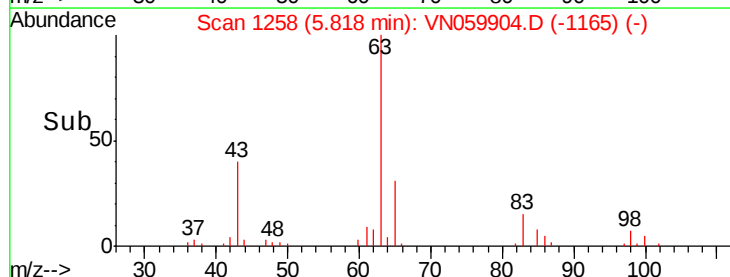
15000

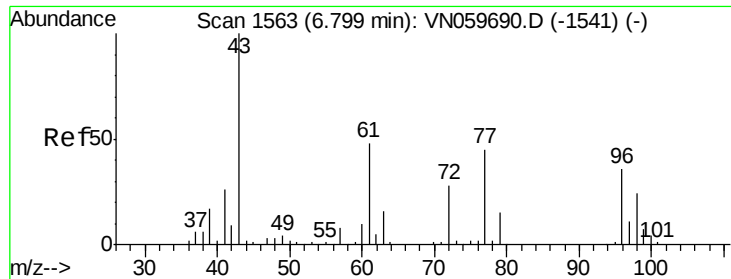
10000

5000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 91.237 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

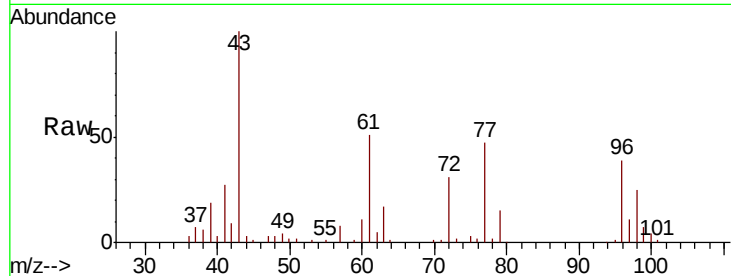
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 111051

Ion Ratio Lower Upper

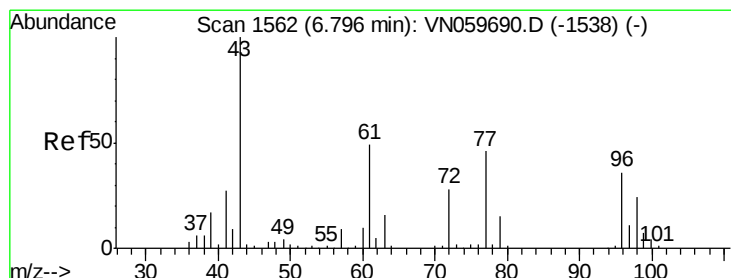
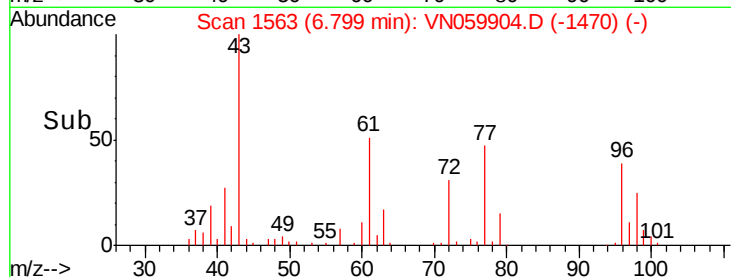
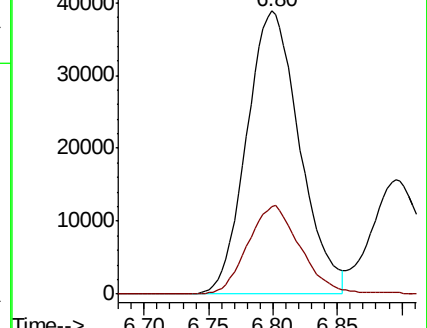
43 100

72 30.9 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN059904.D (-1470) (-)

Ion 72.00 (71.70 to 72.70): VN059904.D (-1470) (-)



#26

2,2-Dichloropropane

Concen: 19.191 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059904.D

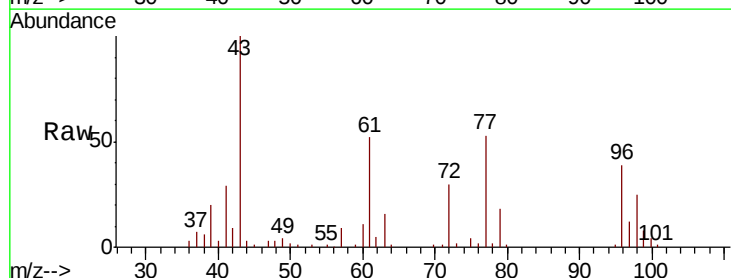
Acq: 29 Jan 2020 12:03

Tgt Ion: 77 Resp: 60975

Ion Ratio Lower Upper

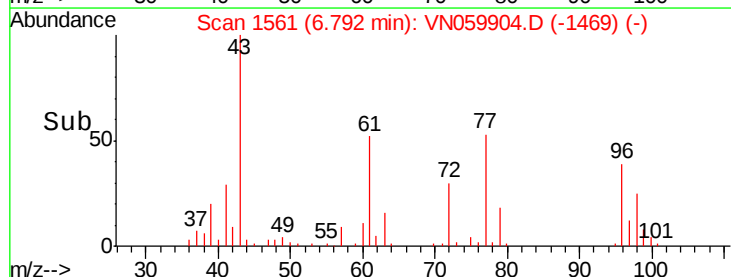
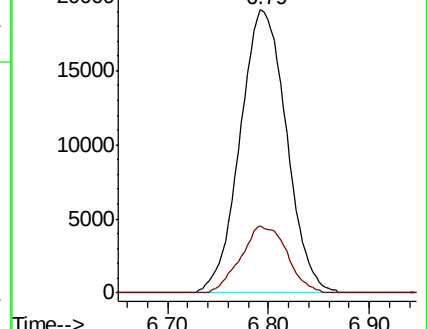
77 100

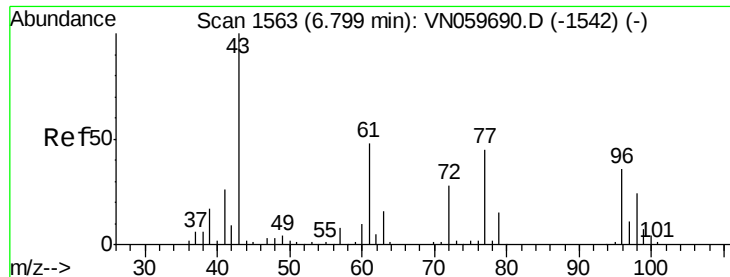
97 23.6 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN059904.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN059904.D (-1469) (-)





#27

cis-1,2-Dichloroethene

Concen: 20.192 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :
MSVOA_N
ClientSampled :

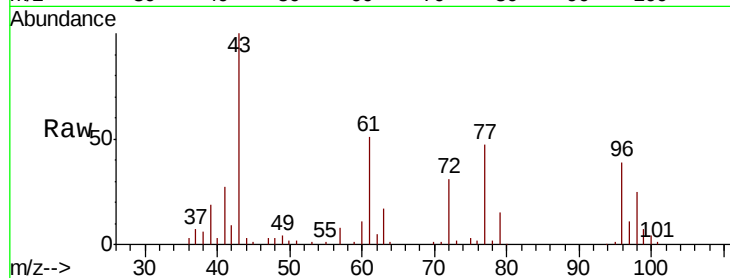
Tot Ion: 96 Resp: 43715

Ion Ratio Lower Upper

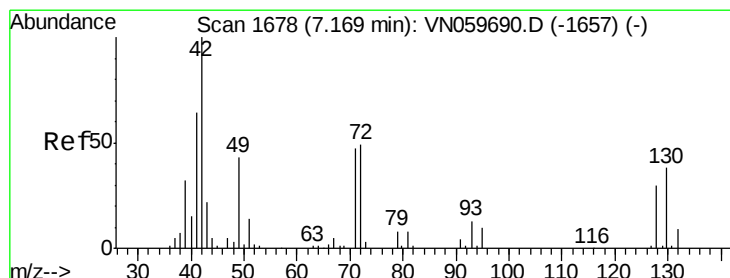
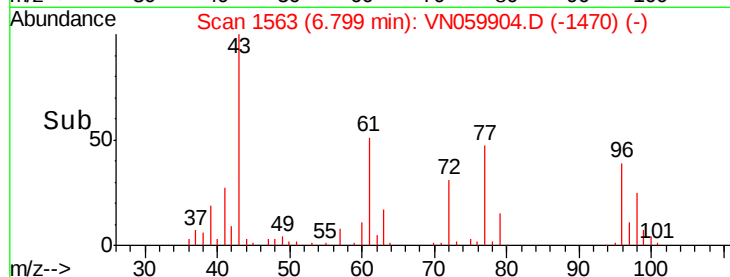
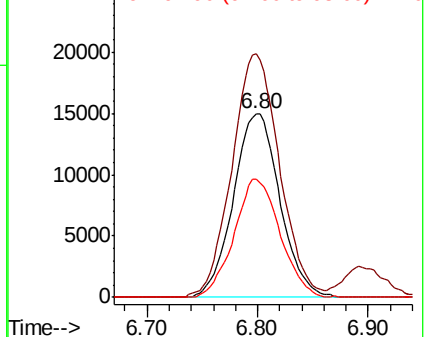
96 100

61 135.6 0.0 317.6

98 63.7 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.228 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

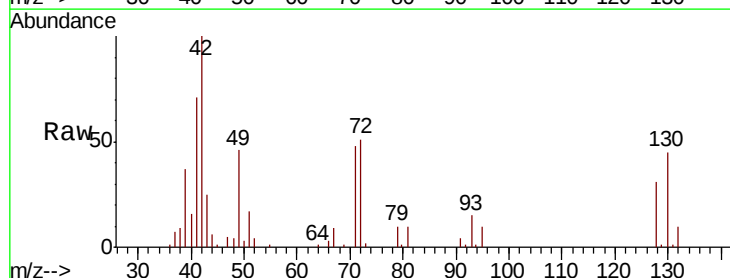
Tgt Ion: 49 Resp: 24078

Ion Ratio Lower Upper

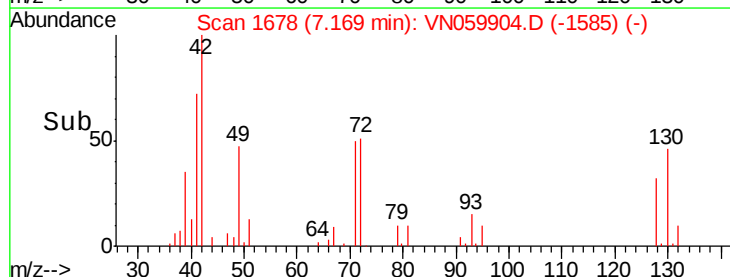
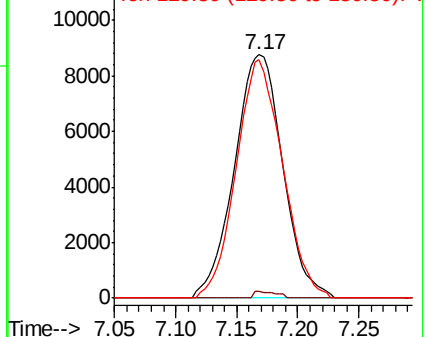
49 100

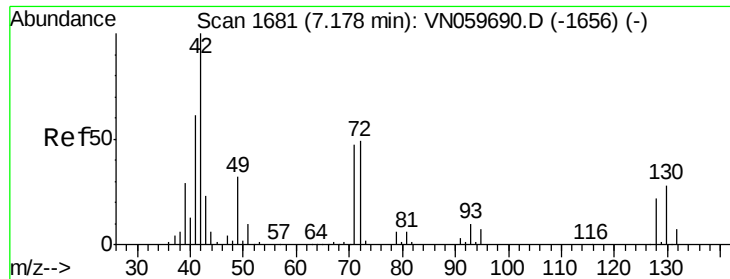
129 1.3 0.0 3.4

130 93.6 54.7 82.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

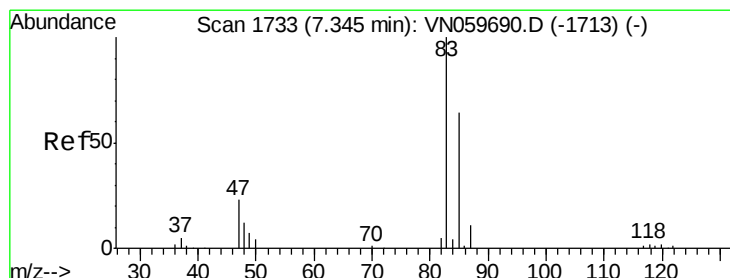
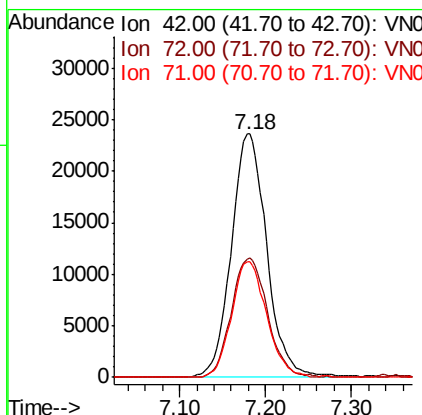
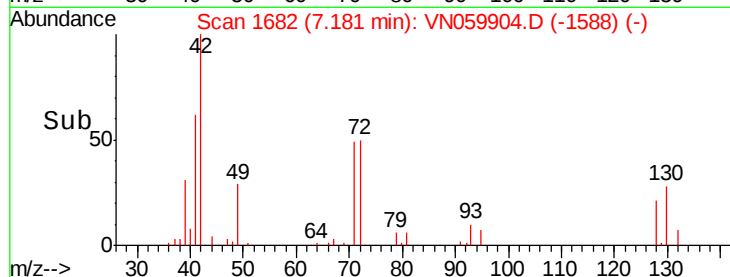
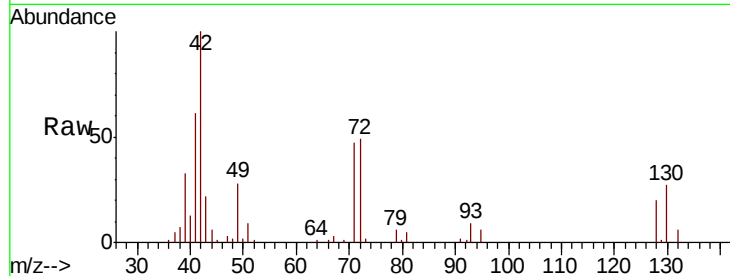




#29
Tetrahydrofuran
Concen: 89.698 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

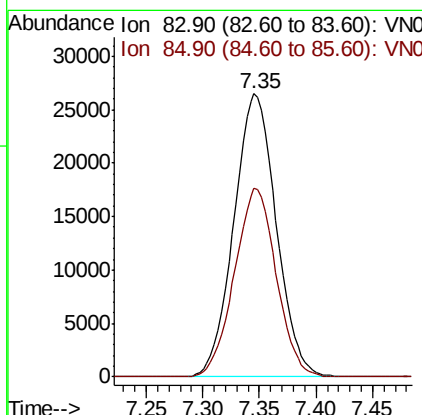
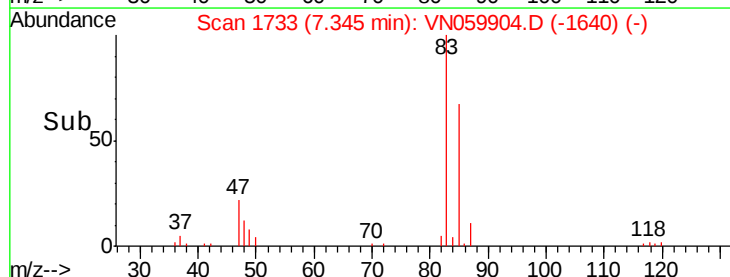
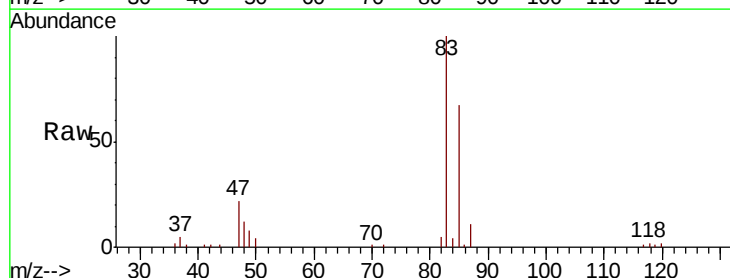
Instrument :
MSVOA_N
ClientSampled :

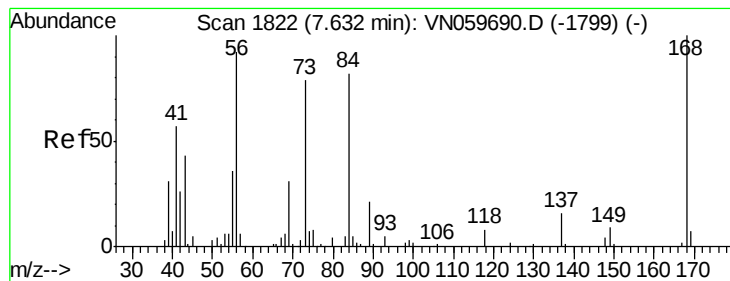
Tot Ion: 42 Resp: 67550
Ion Ratio Lower Upper
42 100
72 49.7 33.1 49.7#
71 46.9 31.4 47.0



#30
Chloroform
Concen: 20.168 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion: 83 Resp: 69060
Ion Ratio Lower Upper
83 100
85 66.6 52.4 78.6





#31

Cyclohexane

Concen: 17.246 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

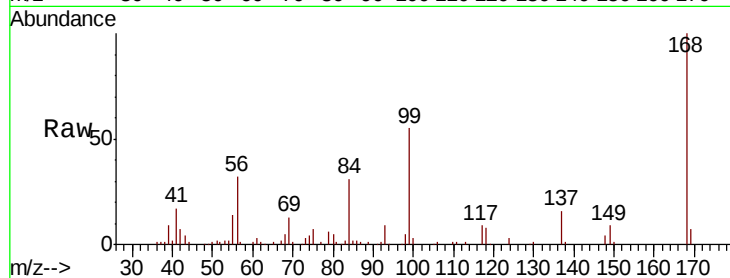
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 56 Resp: 54843

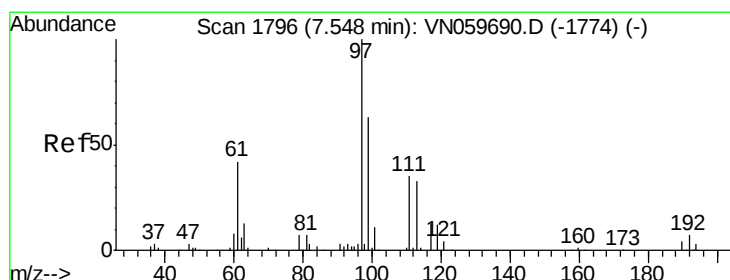
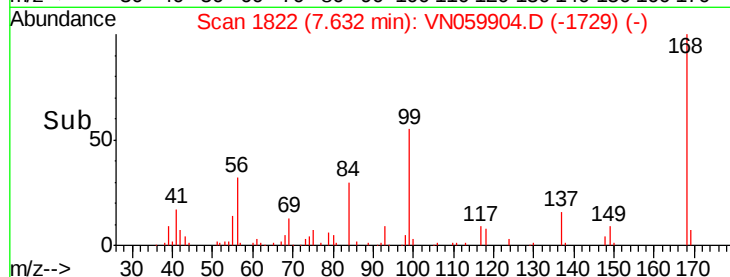
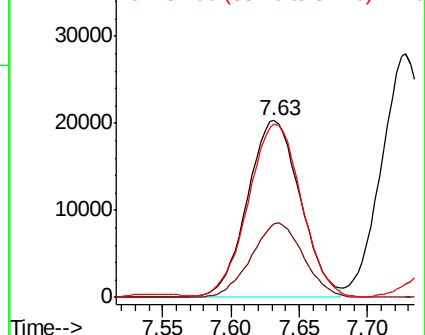
Ion	Ratio	Lower	Upper
56	100		
69	41.3	26.5	39.7#
84	97.1	65.3	97.9



Abundance Ion 56.00 (55.70 to 56.70): VN059904.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN059904.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN059904.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 19.765 ug/l

RT: 7.54 min Scan# 1795

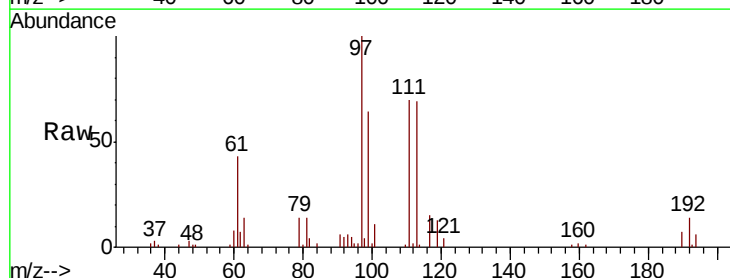
Delta R.T. -0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Tgt Ion: 97 Resp: 62579

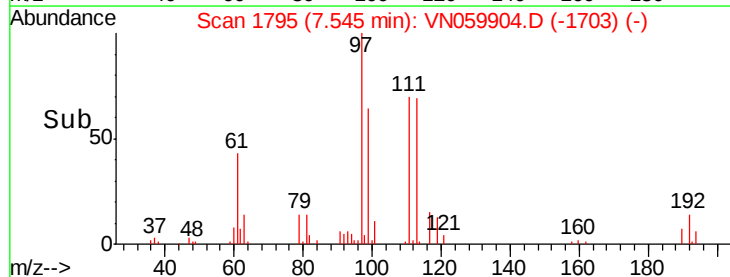
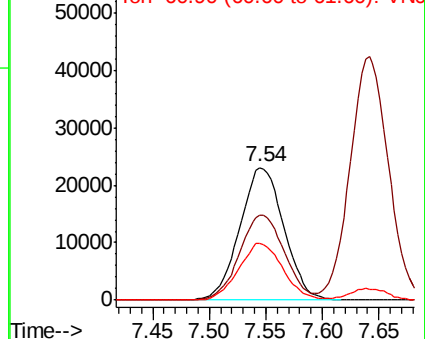
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.0	76.4
61	42.9	38.5	57.7

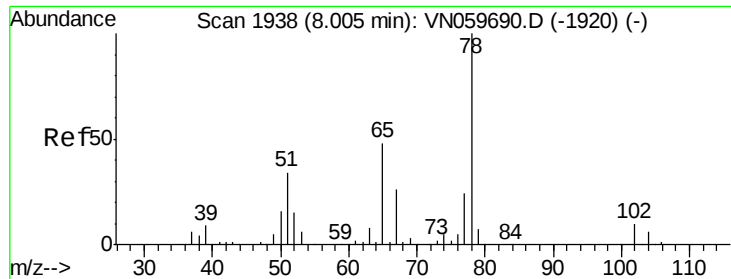


Abundance Ion 96.90 (96.60 to 97.60): VN059904.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN059904.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN059904.D (-1703) (-)

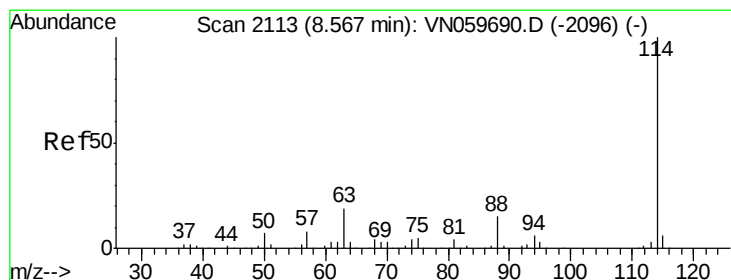
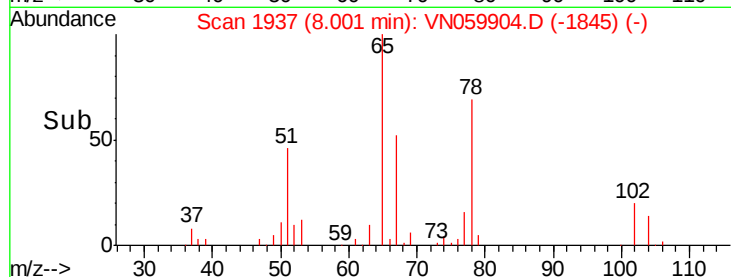
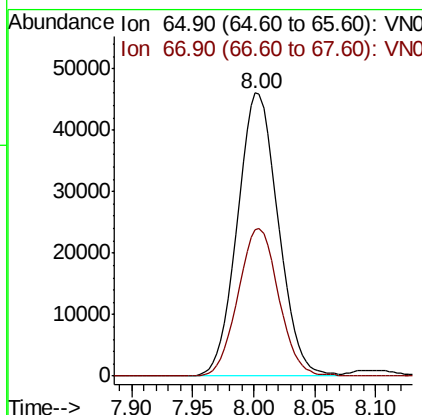
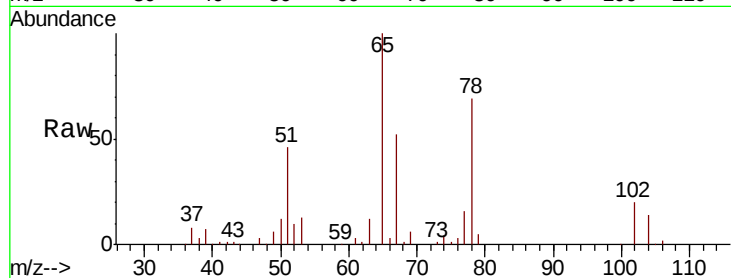




#33
 1,2-Dichloroethane-d4
 Concen: 49.659 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059904.D
 Acq: 29 Jan 2020 12:03

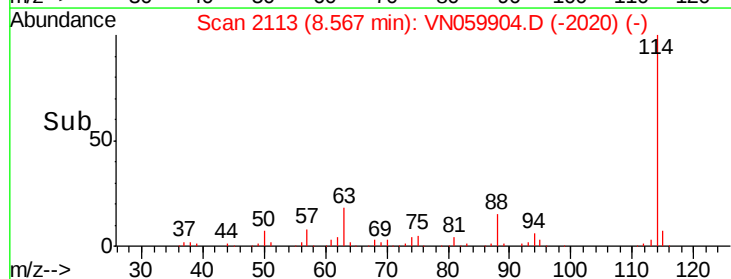
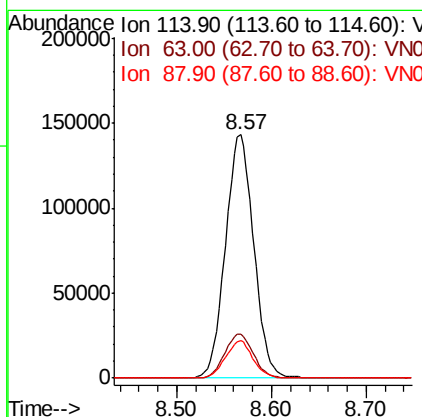
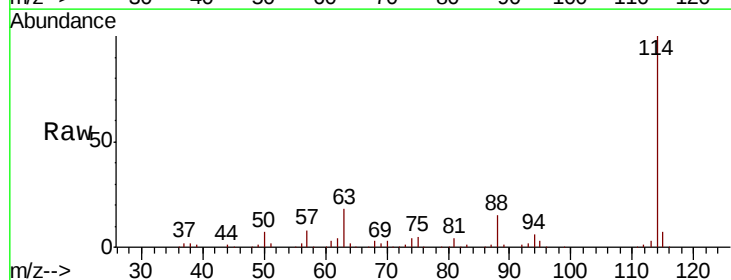
Instrument :
 MSVOA_N
 ClientSampleId :

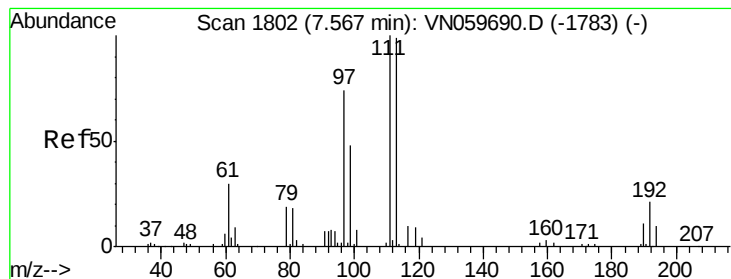
Tot Ion: 65 Resp: 106735
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059904.D
 Acq: 29 Jan 2020 12:03

Tgt Ion: 114 Resp: 297392
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 43.6
 88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.507 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

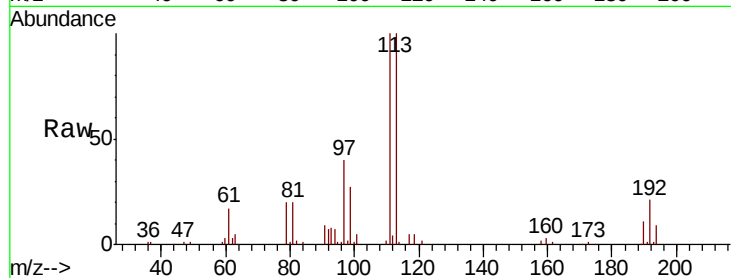
Tot Ion:113 Resp: 89573

Ion Ratio Lower Upper

113 100

111 102.1 83.5 125.3

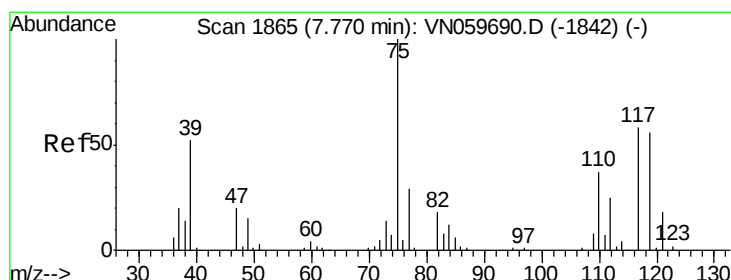
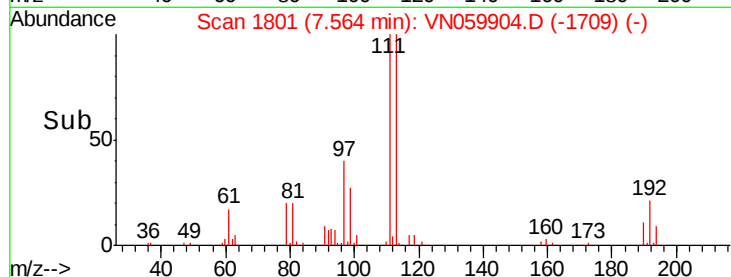
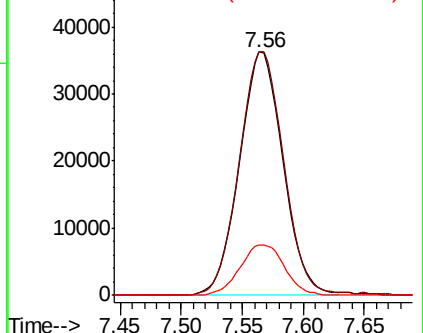
192 21.0 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.787 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

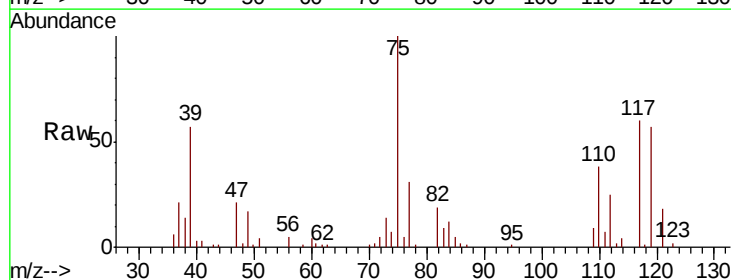
Tgt Ion: 75 Resp: 48655

Ion Ratio Lower Upper

75 100

110 38.2 16.6 49.7

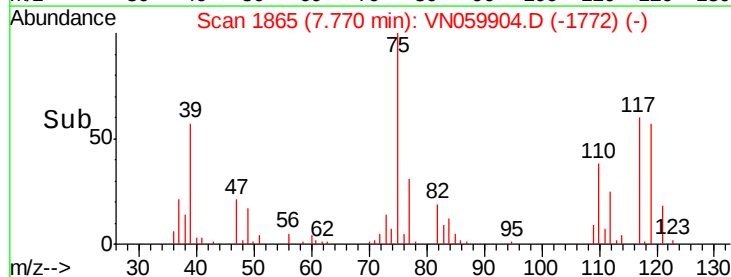
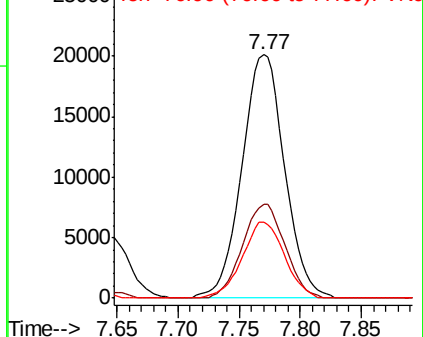
77 30.9 25.1 37.7

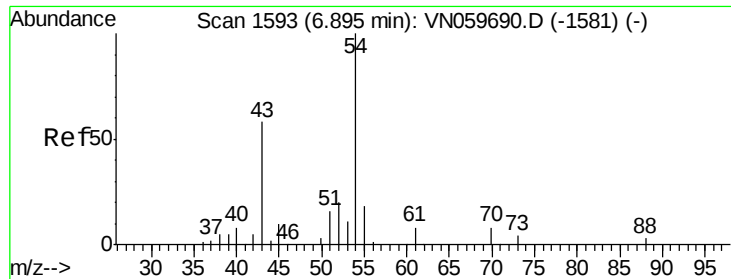


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

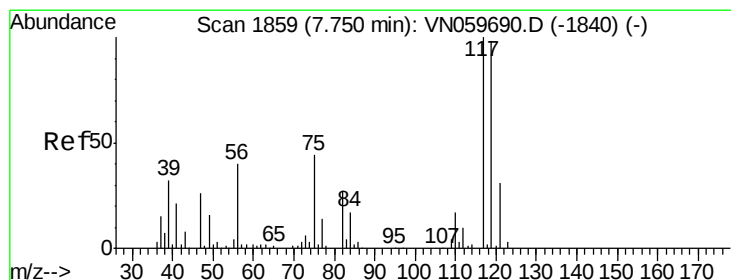
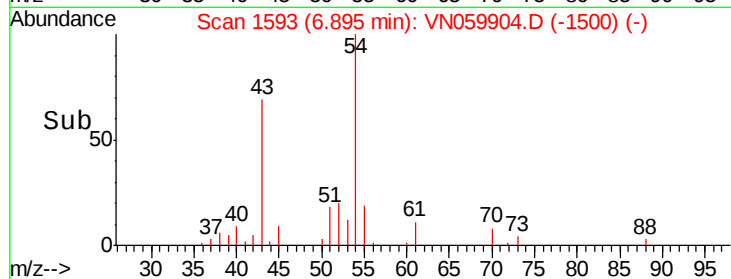
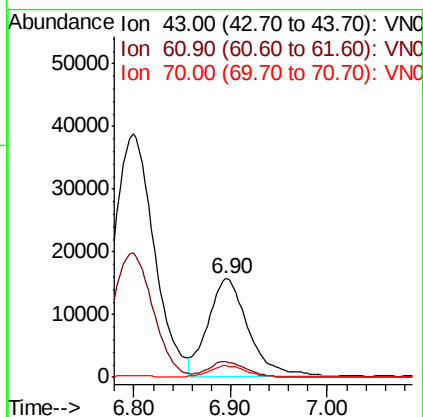
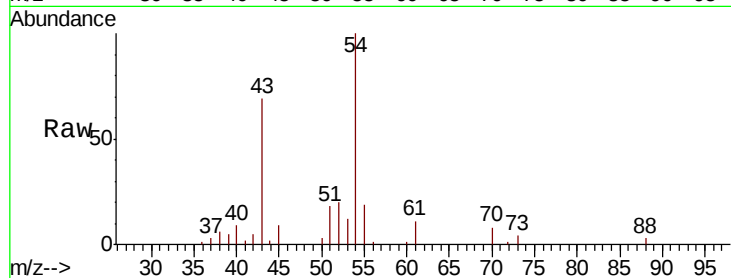




#37
Ethyl Acetate
Concen: 18.582 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

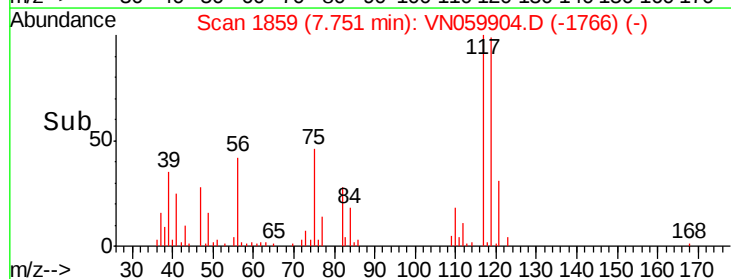
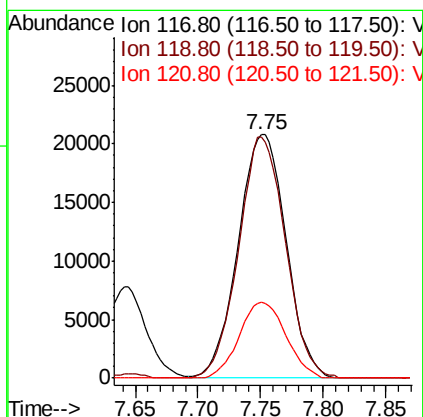
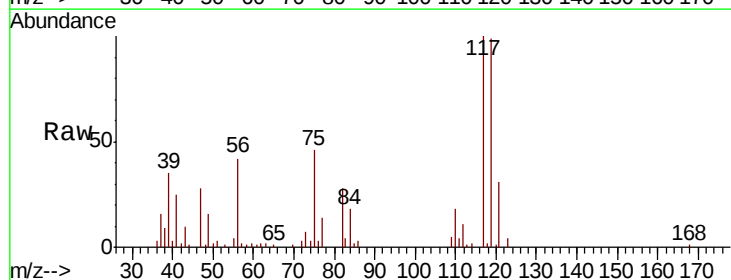
Instrument :
MSVOA_N
ClientSampled :

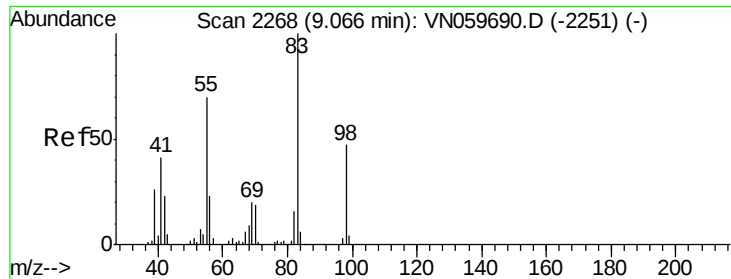
Tot Ion: 43 Resp: 45135
Ion Ratio Lower Upper
43 100
61 15.0 10.9 16.3
70 11.1 7.7 11.5



#38
Carbon Tetrachloride
Concen: 19.596 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion: 117 Resp: 55204
Ion Ratio Lower Upper
117 100
119 99.0 76.5 114.7
121 31.2 25.1 37.7

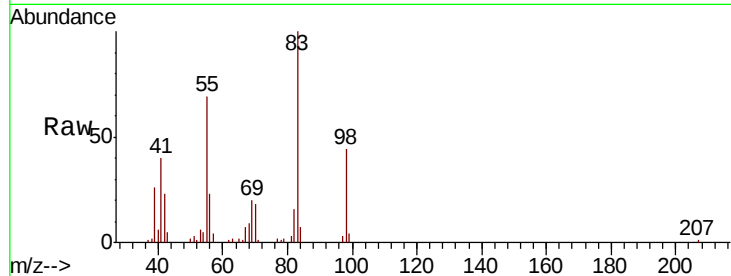




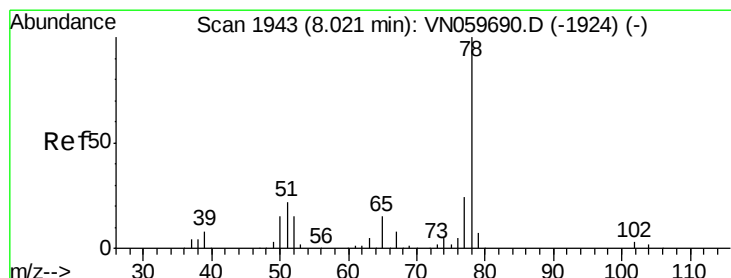
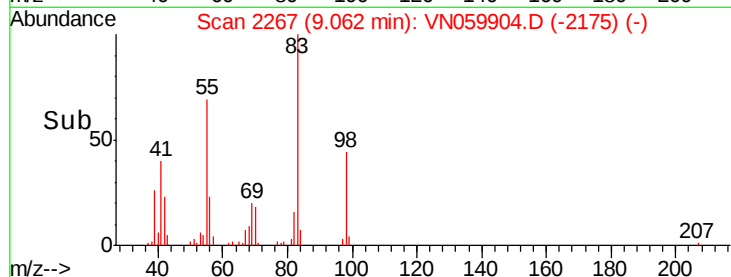
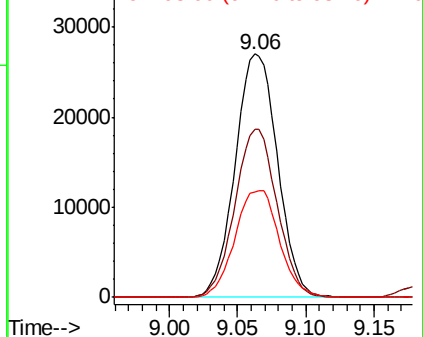
#39
Methvlcvclohexane
Concen: 18.302 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 58443
Ion Ratio Lower Upper
83 100
55 69.2 64.2 96.2
98 43.5 35.9 53.9

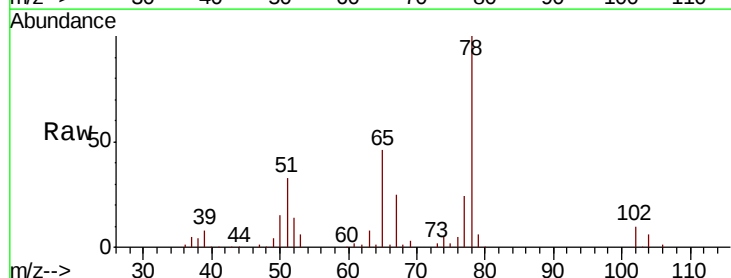


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

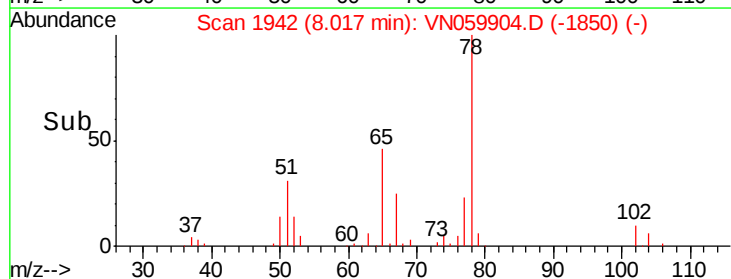
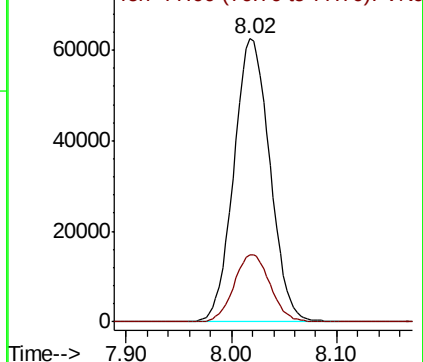


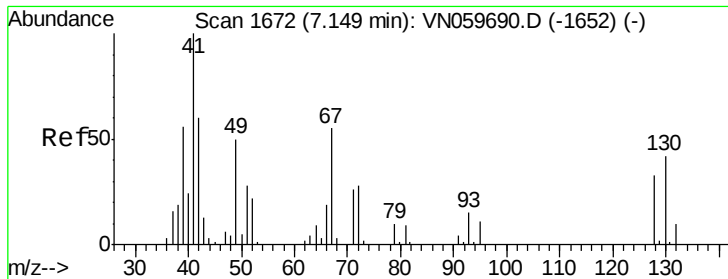
#40
Benzene
Concen: 19.217 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion: 78 Resp: 148423
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

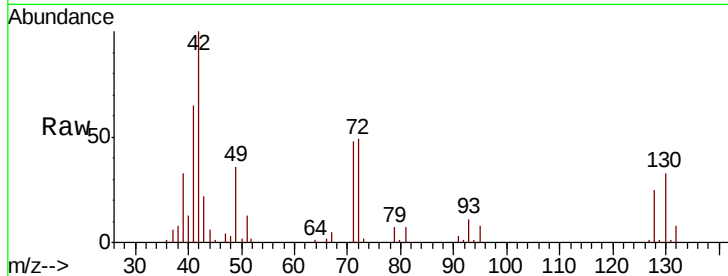




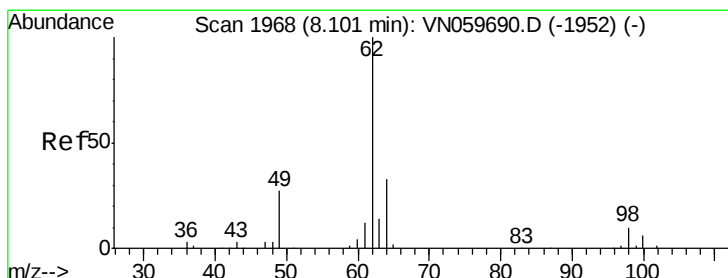
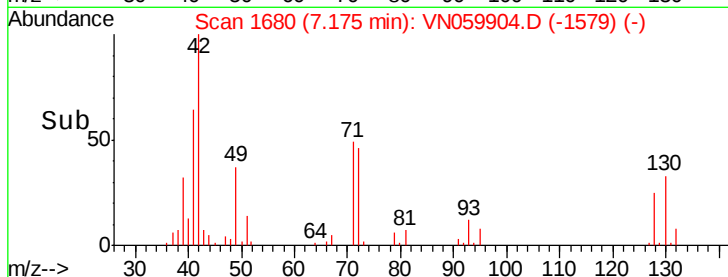
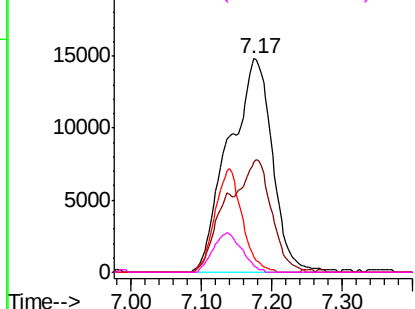
#41
Methacrylonitrile
Concen: 53.410 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	63901
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

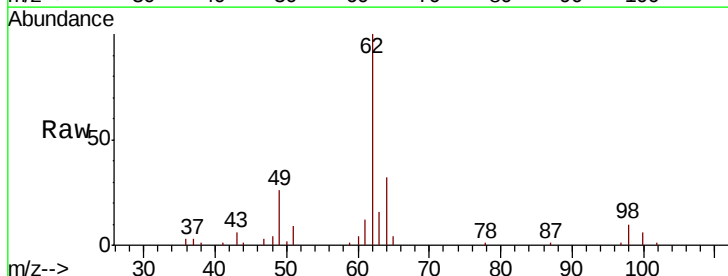


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

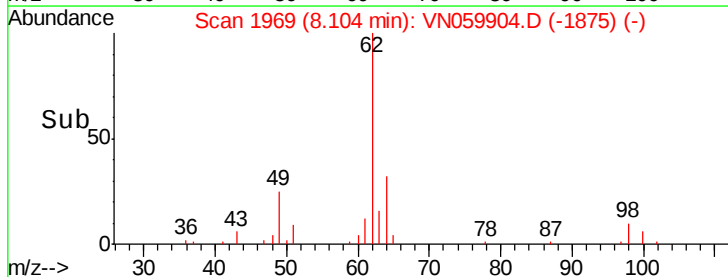
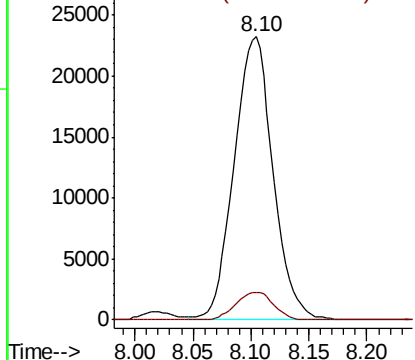


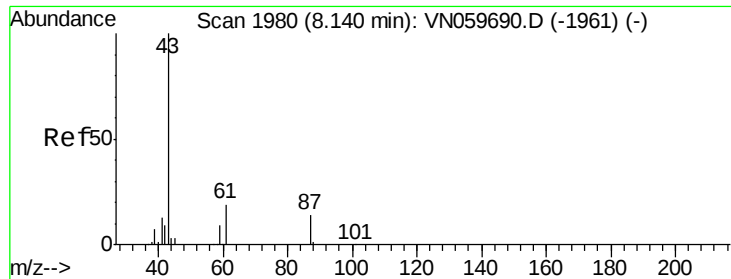
#42
1,2-Dichloroethane
Concen: 20.695 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion:	62	Resp:	54195
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.646 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

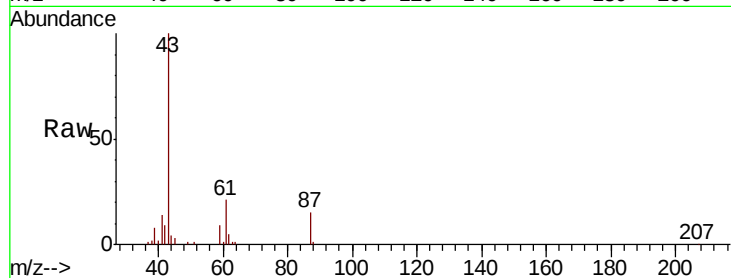
Tot Ion: 43 Resp: 77903

Ion Ratio Lower Upper

43 100

61 27.2 20.2 30.2

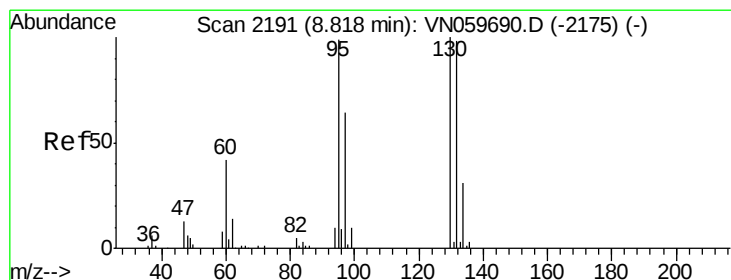
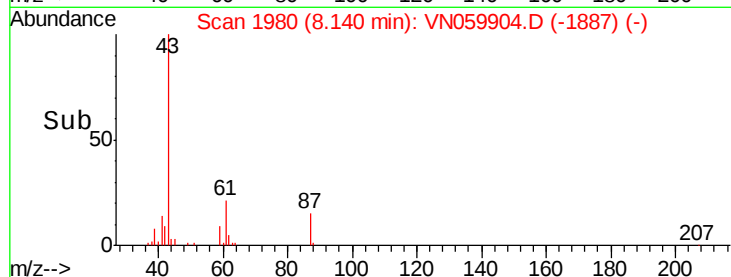
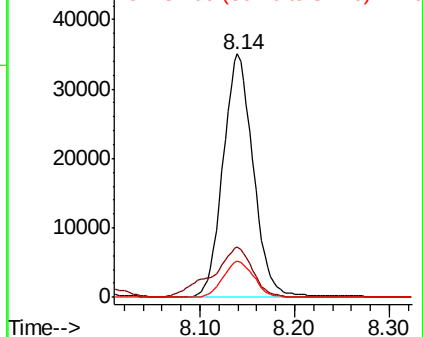
87 14.8 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059904.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059904.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059904.D (-1961) (-)



#44

Trichloroethene

Concen: 21.083 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059904.D

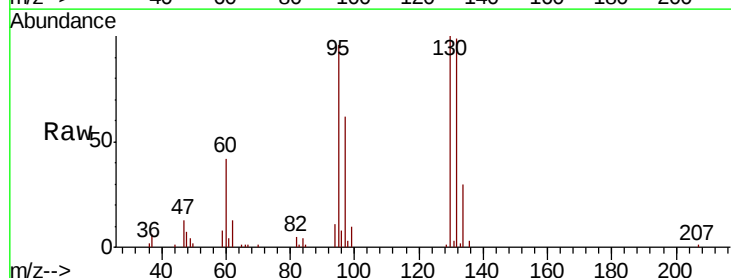
Acq: 29 Jan 2020 12:03

Tgt Ion:130 Resp: 44453

Ion Ratio Lower Upper

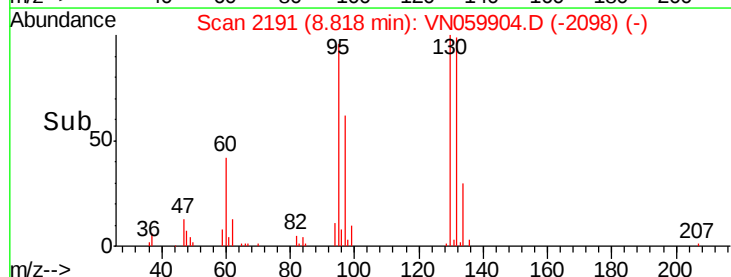
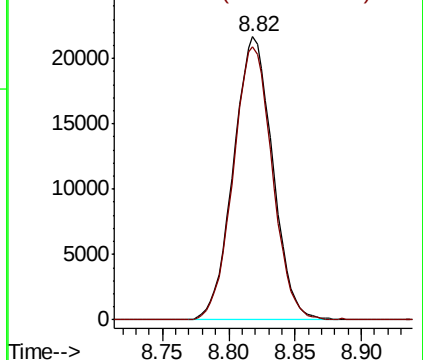
130 100

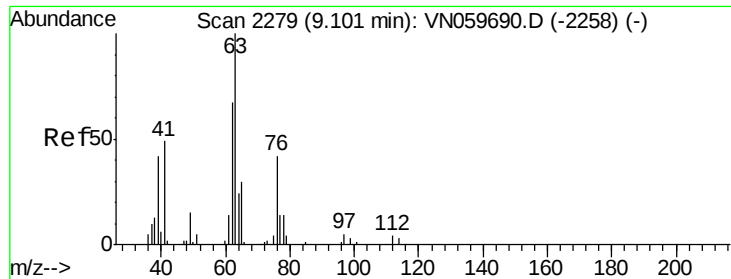
95 96.4 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059904.D (-2191) (-)

Ion 94.90 (94.60 to 95.60): VN059904.D (-2191) (-)

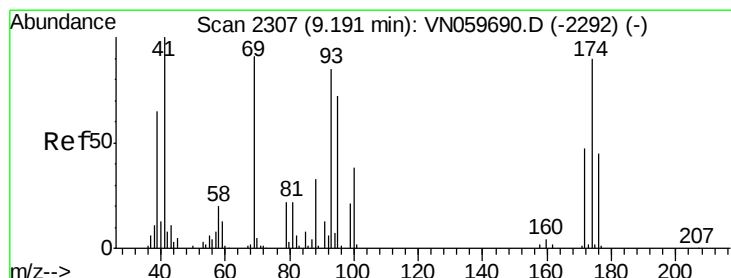
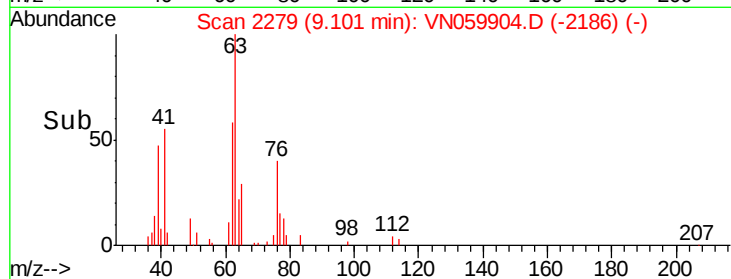
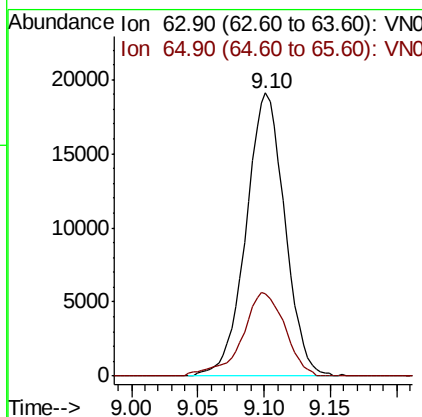
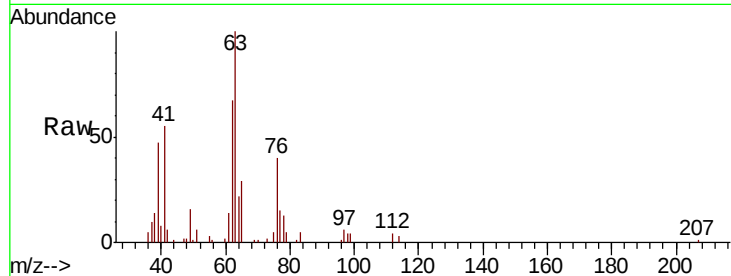




#45
 1,2-Dichloropropane
 Concen: 20.347 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059904.D
 Acq: 29 Jan 2020 12:03

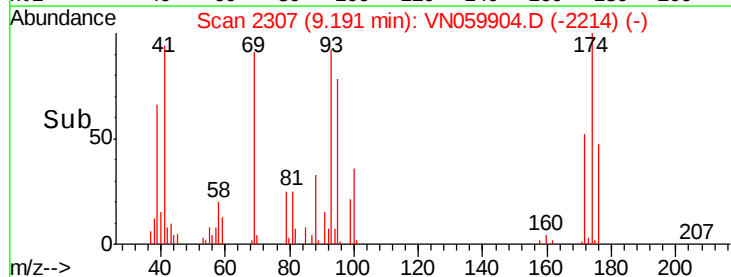
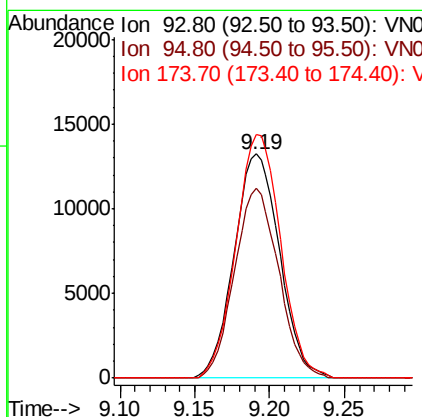
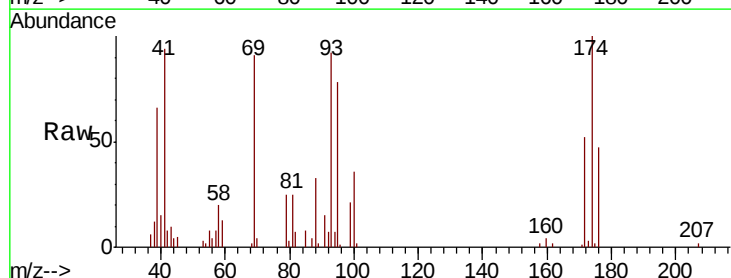
Instrument :
 MSVOA_N
 ClientSampleId :

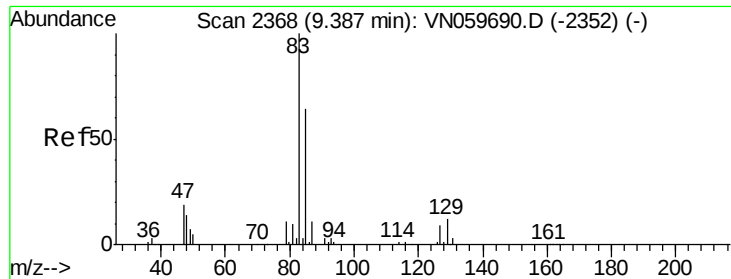
Tot Ion: 63 Resp: 38888
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.9 37.3



#46
 Dibromomethane
 Concen: 20.837 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059904.D
 Acq: 29 Jan 2020 12:03

Tgt Ion: 93 Resp: 28093
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.0 100.6
 174 106.3 73.4 110.2

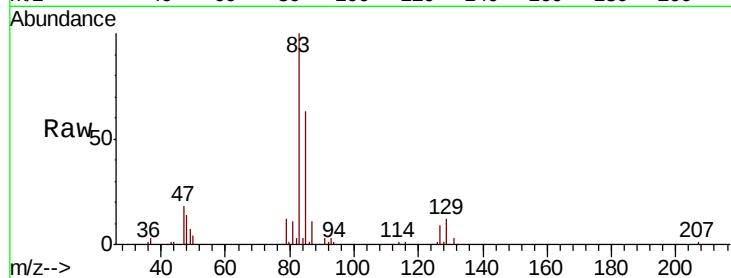




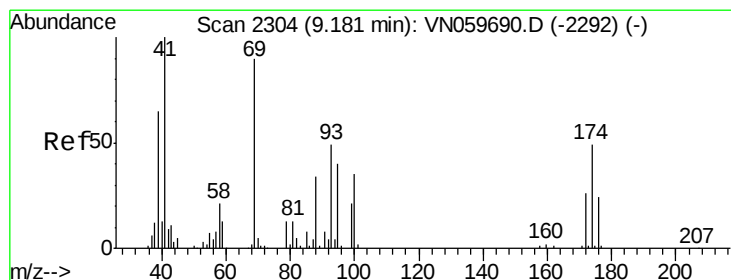
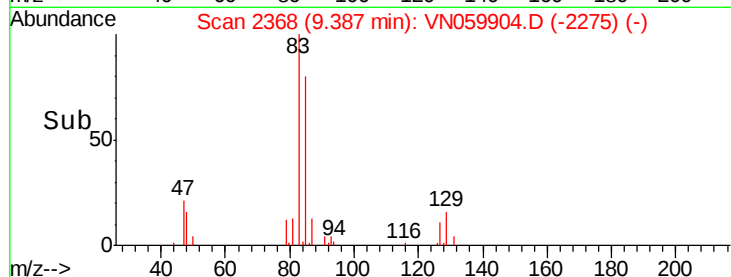
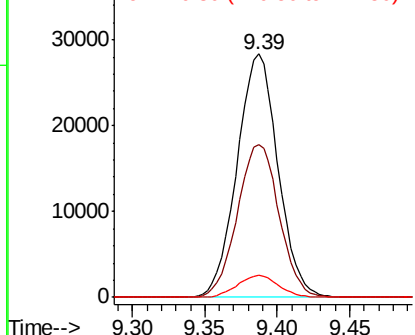
#47
Bromodichloromethane
Concen: 20.481 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 55643
Ion Ratio Lower Upper
83 100
85 63.0 51.1 76.7
127 9.0 6.6 9.8

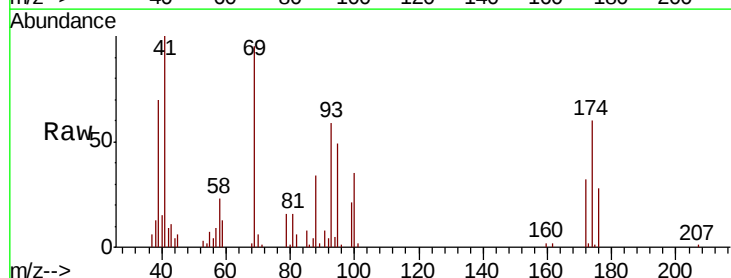


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

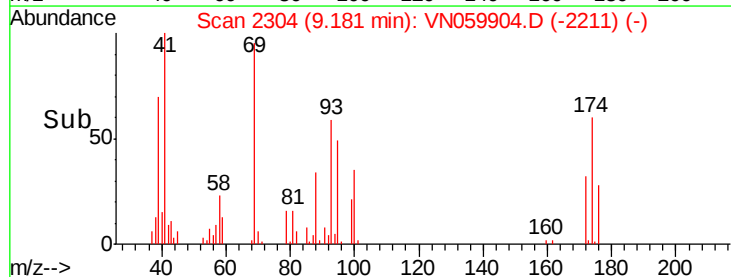
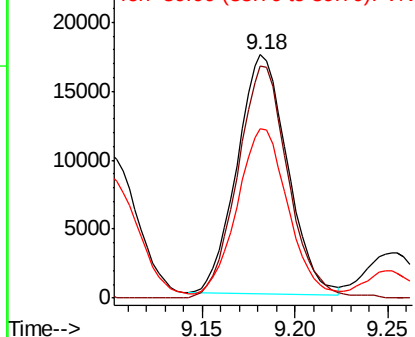


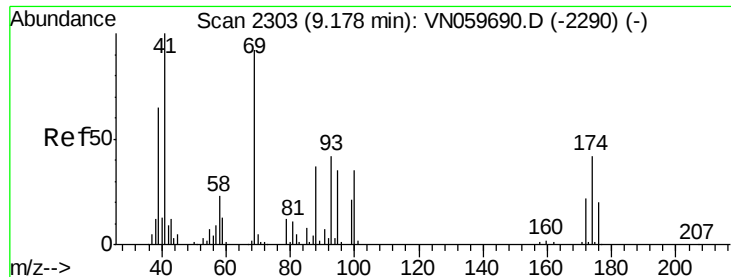
#48
Methyl methacrylate
Concen: 17.537 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion: 41 Resp: 32773
Ion Ratio Lower Upper
41 100
69 96.9 64.4 96.6#
39 72.5 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 392.154 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :
MSVOA_N
ClientSampled :

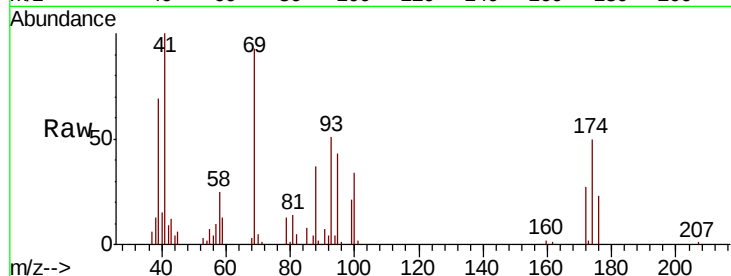
Tot Ion: 88 Resp: 13416

Ion Ratio Lower Upper

88 100

43 30.6 29.7 44.5

58 62.4 56.6 85.0

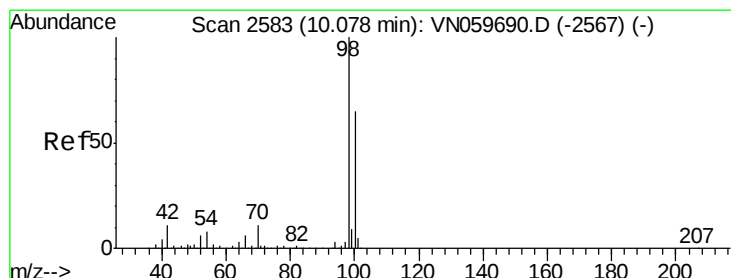
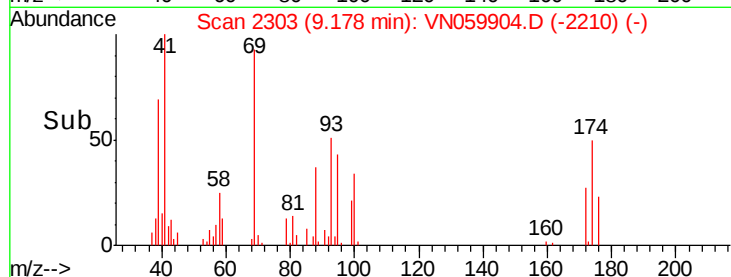
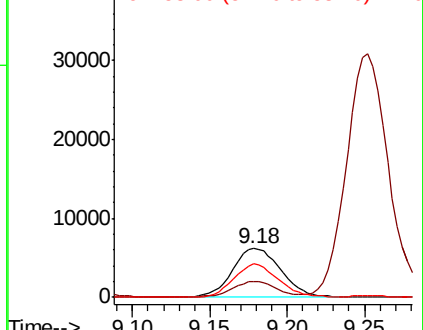


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.539 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059904.D

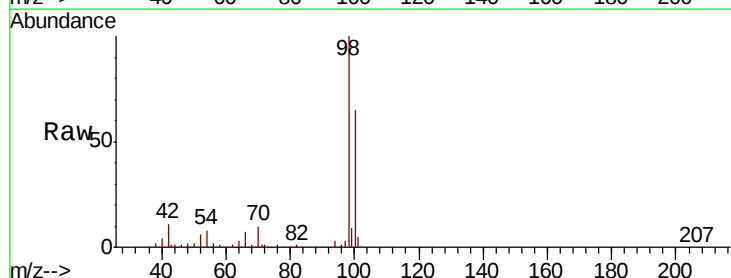
Acq: 29 Jan 2020 12:03

Tgt Ion: 98 Resp: 333532

Ion Ratio Lower Upper

98 100

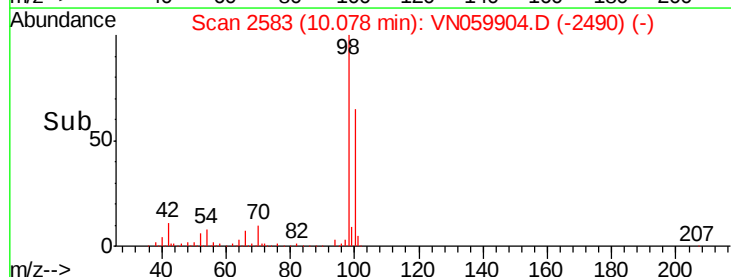
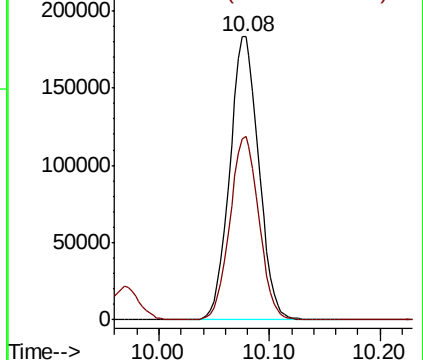
100 64.9 51.2 76.8

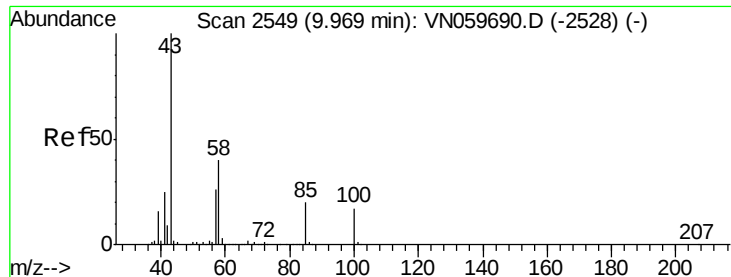


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

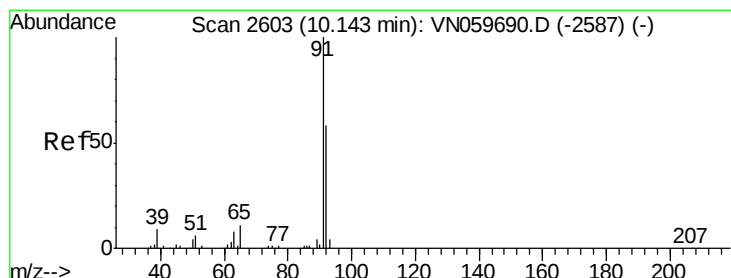
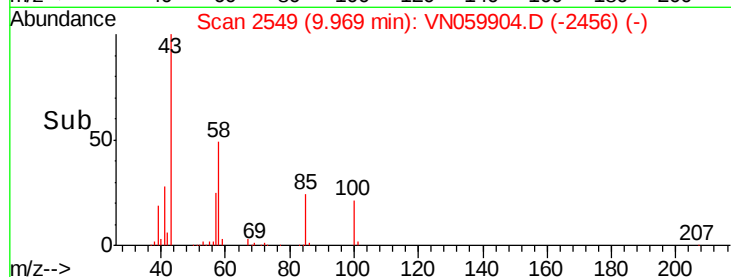
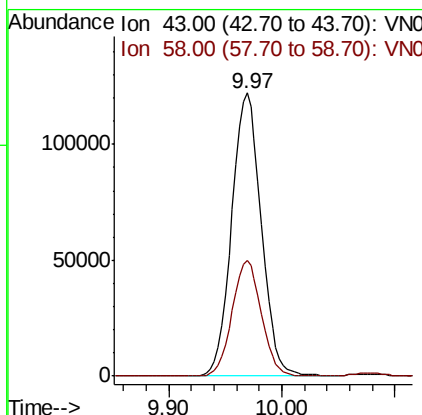
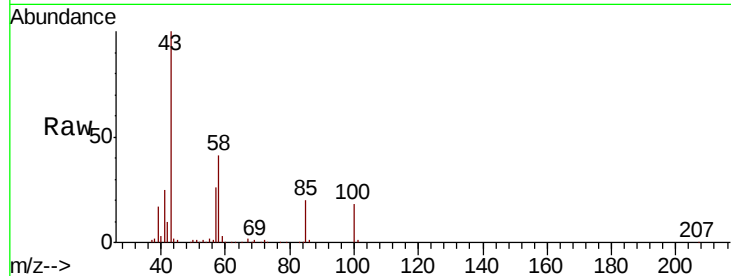




#51
4-Methyl-2-Pentanone
Concen: 92.103 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

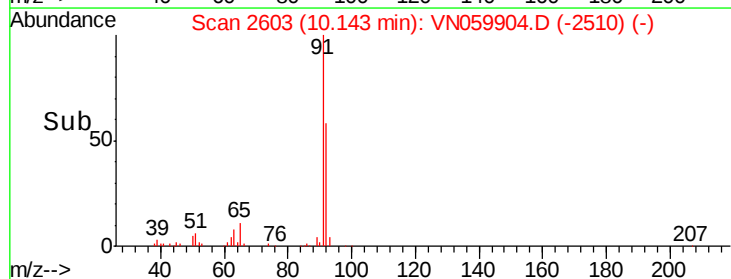
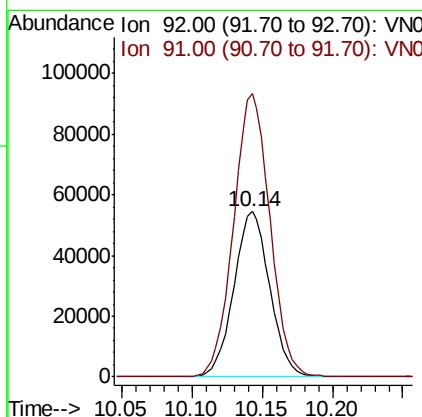
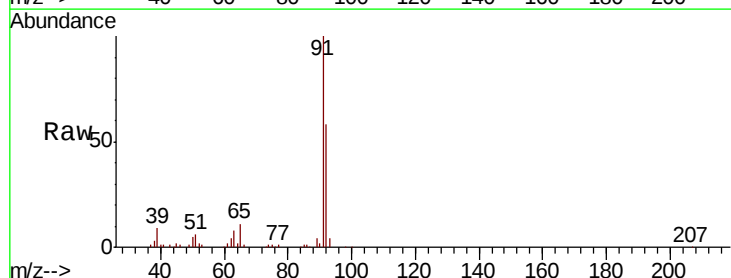
Instrument :
MSVOA_N
ClientSampleId :

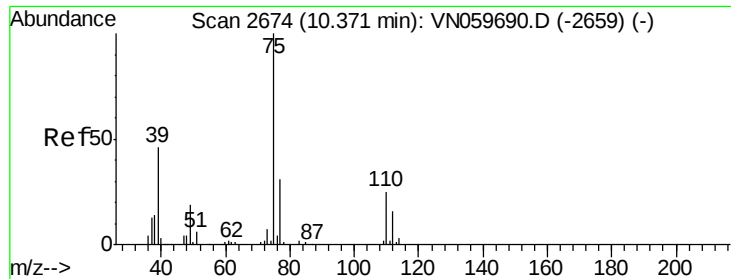
Tot Ion: 43 Resp: 222445
Ion Ratio Lower Upper
43 100
58 40.5 29.8 44.8



#52
Toluene
Concen: 19.874 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion: 92 Resp: 96957
Ion Ratio Lower Upper
92 100
91 174.1 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 19.802 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

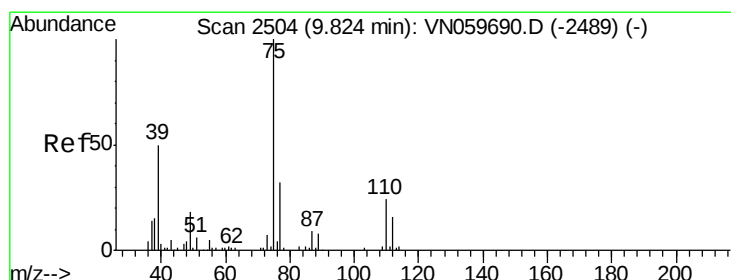
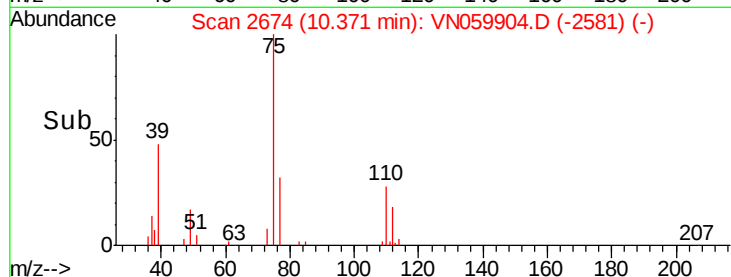
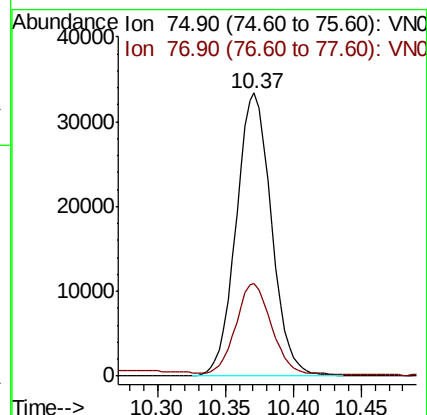
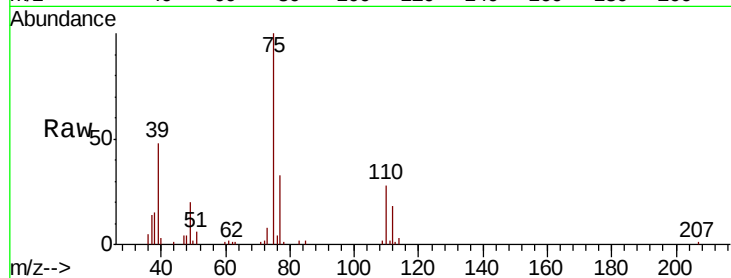
ClientSampleId :

Tot Ion: 75 Resp: 60072

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.197 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

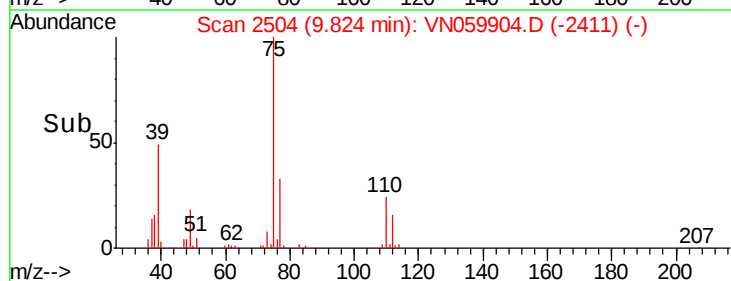
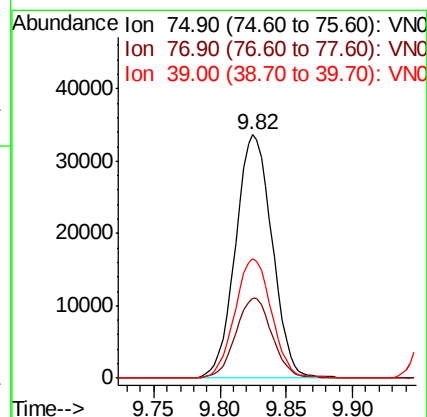
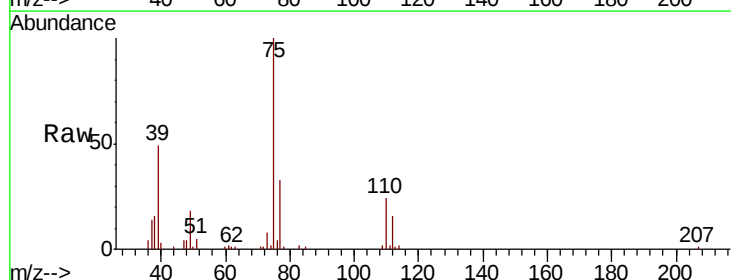
Tgt Ion: 75 Resp: 64466

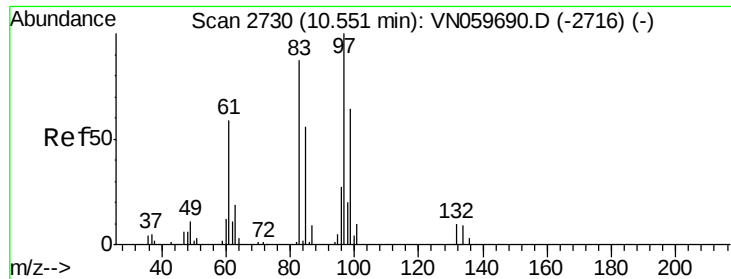
Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7

39 48.9 46.1 69.1

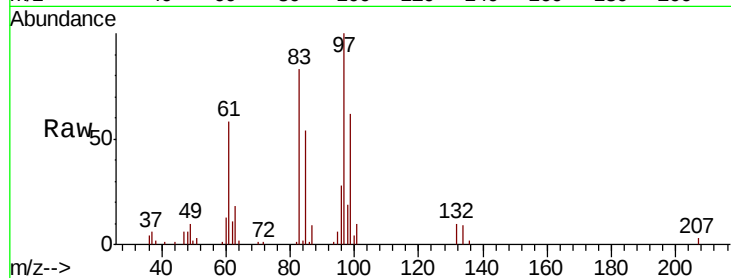




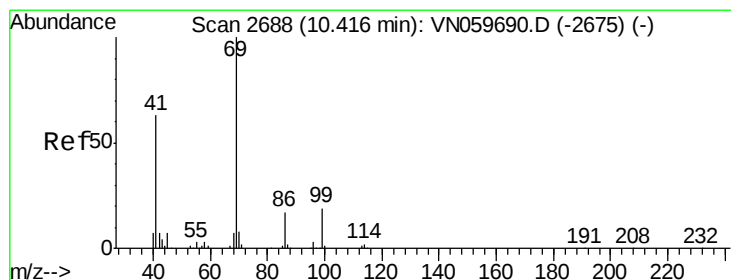
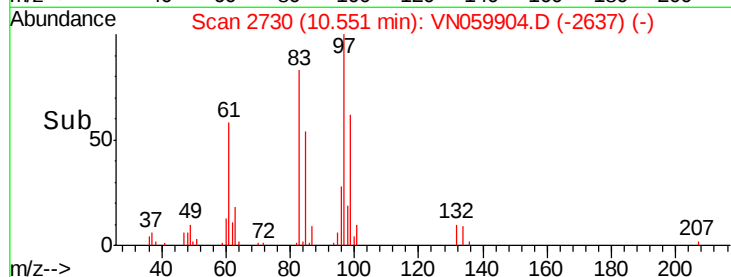
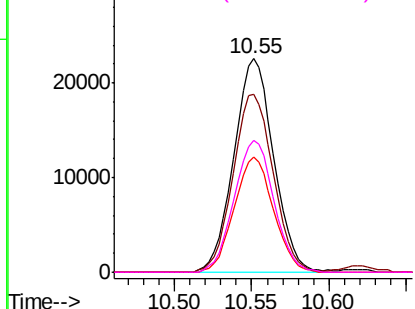
#55
 1,1,2-Trichloroethane
 Concen: 20.883 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059904.D
 Acq: 29 Jan 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	40350
Ion	Ratio	Lower	Upper
97	100		
83	83.3	71.3	106.9
85	53.7	45.8	68.8
99	61.6	50.0	75.0

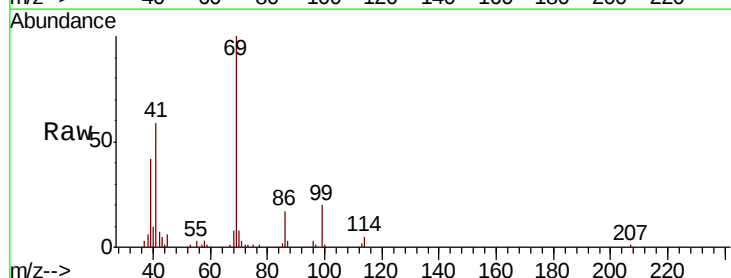


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

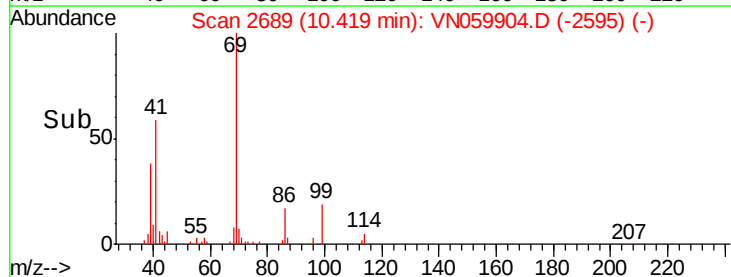
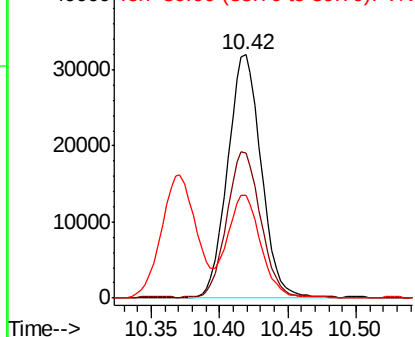


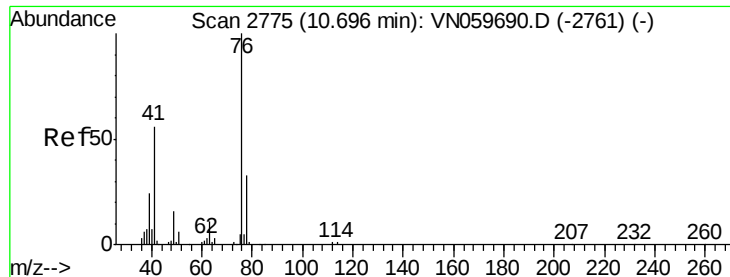
#56
 Ethyl methacrylate
 Concen: 18.563 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059904.D
 Acq: 29 Jan 2020 12:03

Tgt Ion:	69	Resp:	54808
Ion	Ratio	Lower	Upper
69	100		
41	61.6	57.1	85.7
39	43.3	34.7	52.1



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.767 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

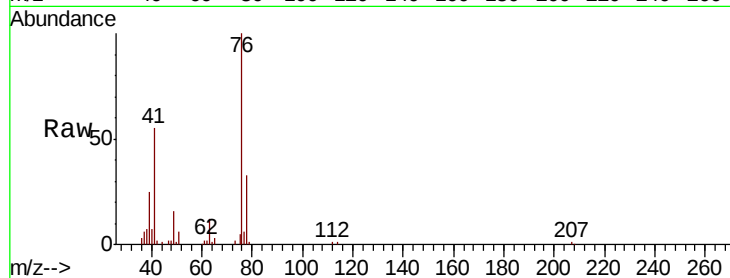
ClientSampled :

Tot Ion: 76 Resp: 63705

Ion Ratio Lower Upper

76 100

78 33.0 25.8 38.8

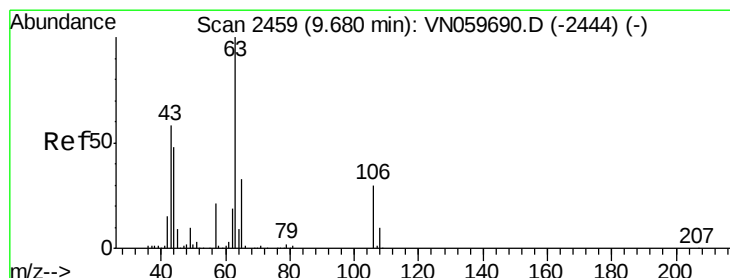
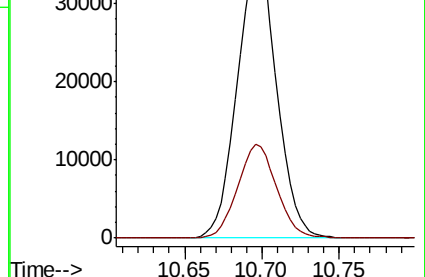
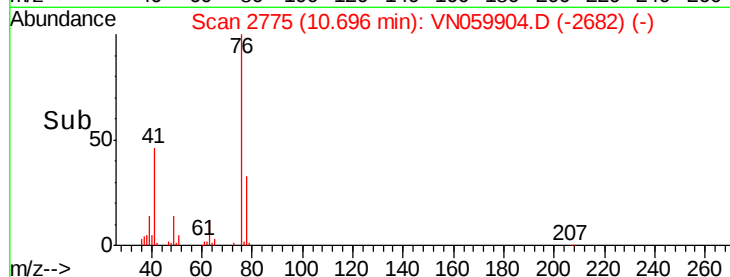


Abundance Ion 75.90 (75.60 to 76.60): VN059904.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN059904.D (-2761) (-)

10.70

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 94.749 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059904.D

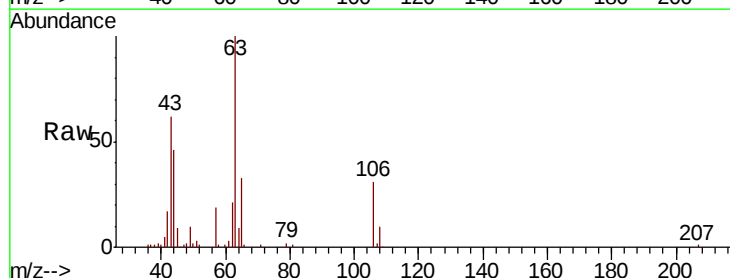
Acq: 29 Jan 2020 12:03

Tgt Ion: 63 Resp: 84259

Ion Ratio Lower Upper

63 100

106 30.6 20.2 30.2#

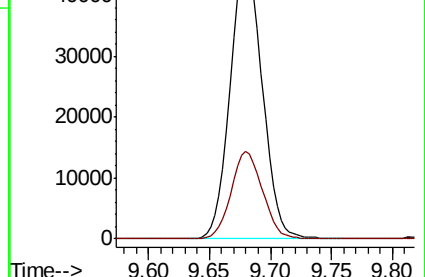
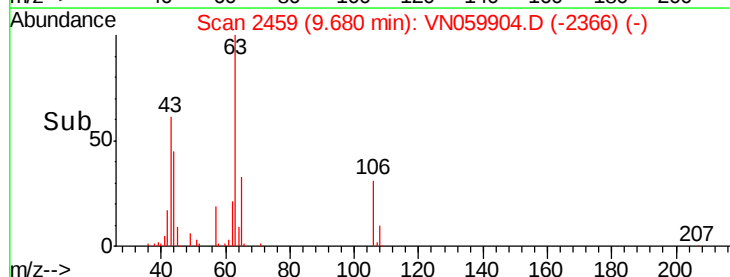


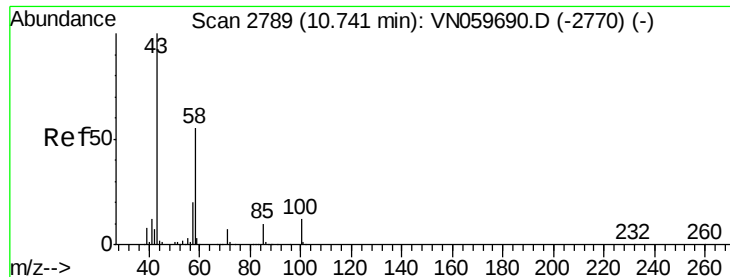
Abundance Ion 62.90 (62.60 to 63.60): VN059904.D (-2444) (-)

Ion 105.90 (105.60 to 106.60): VN059904.D (-2444) (-)

9.68

Time-->

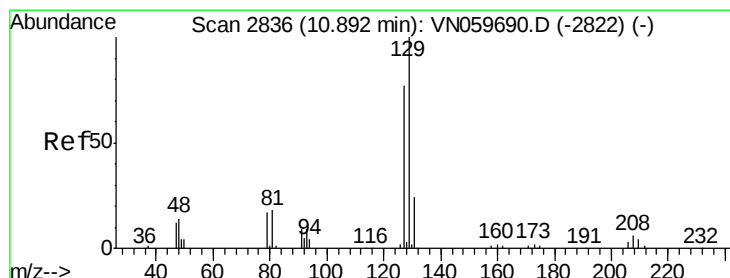
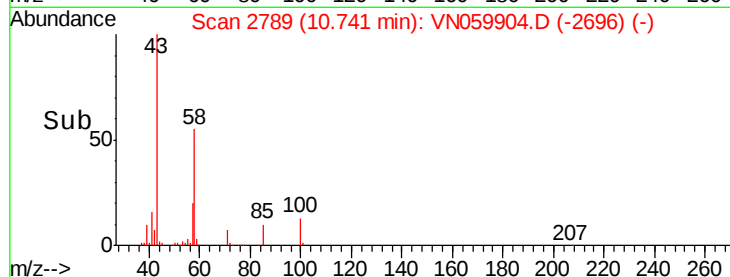
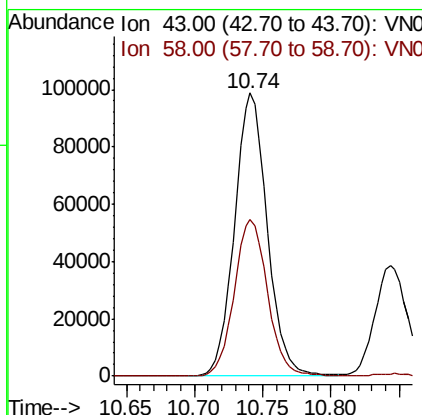
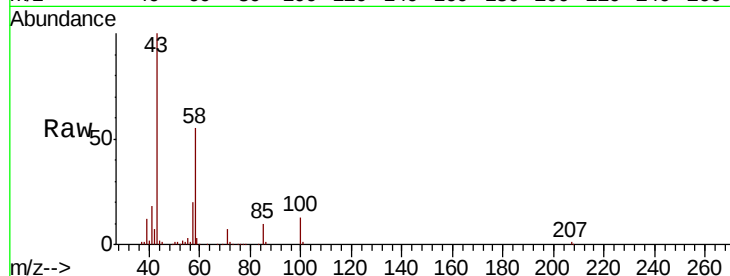




#59
2-Hexanone
Concen: 92.422 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

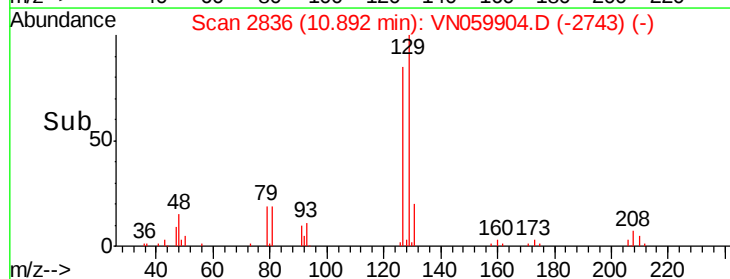
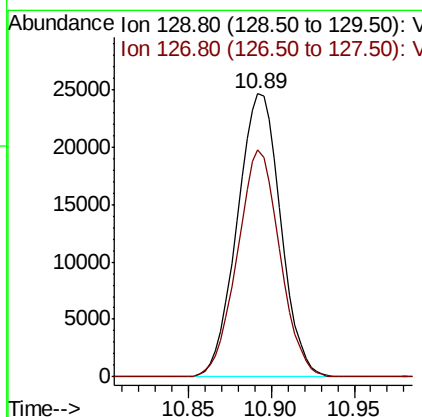
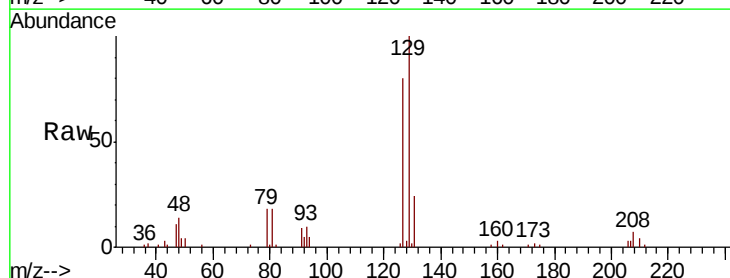
Instrument :
MSVOA_N
ClientSampleId :

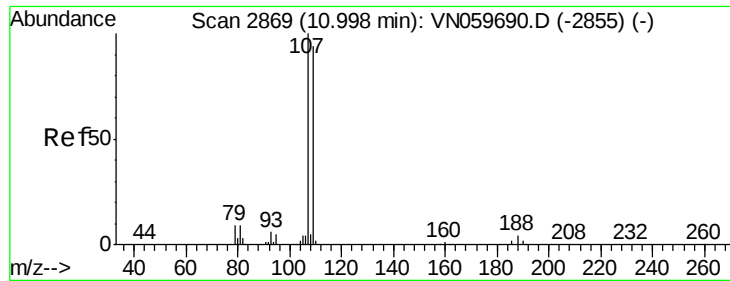
Tot Ion: 43 Resp: 164443
Ion Ratio Lower Upper
43 100
58 56.3 25.8 77.3



#60
Dibromochloromethane
Concen: 20.424 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion: 129 Resp: 44939
Ion Ratio Lower Upper
129 100
127 78.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.503 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

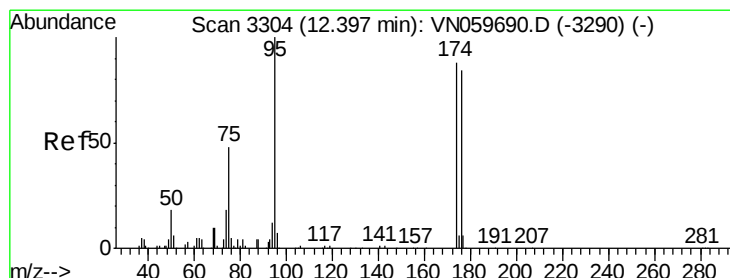
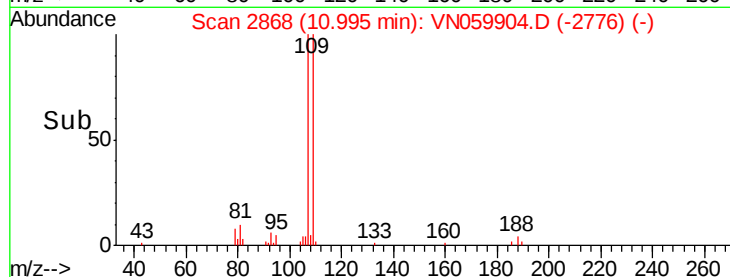
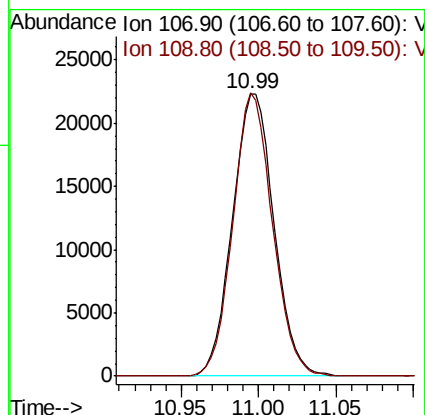
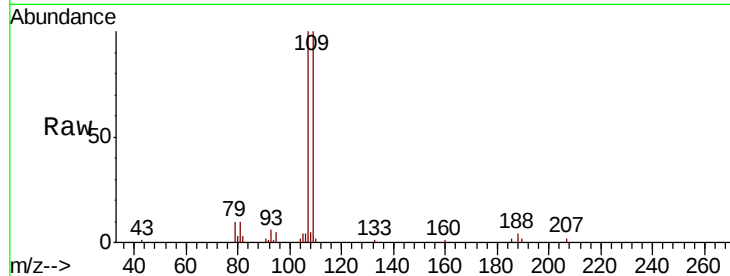
ClientSampled :

Tot Ion:107 Resp: 41523

Ion Ratio Lower Upper

107 100

109 95.5 76.6 115.0



#62

4-Bromofluorobenzene

Concen: 48.061 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

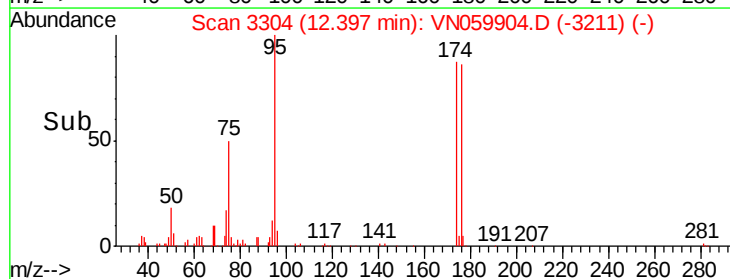
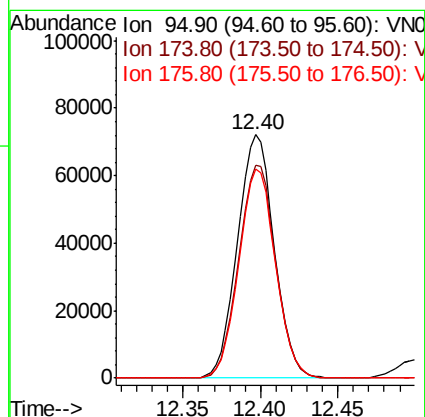
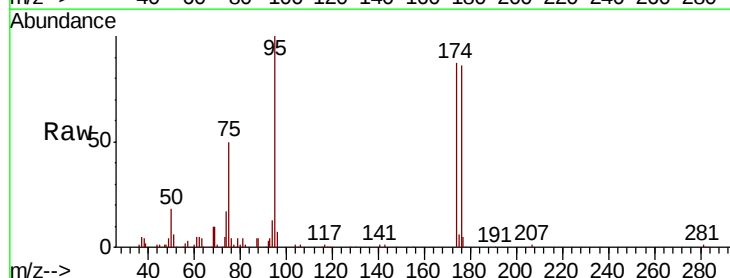
Tgt Ion: 95 Resp: 119053

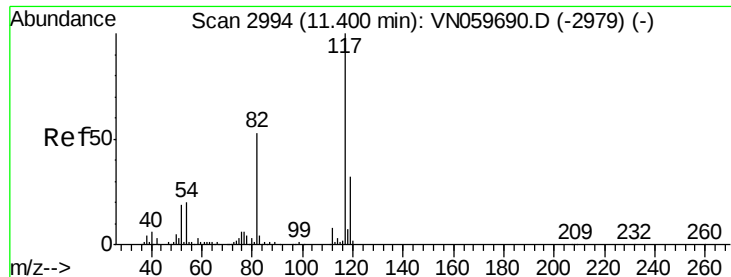
Ion Ratio Lower Upper

95 100

174 87.9 0.0 151.4

176 85.8 0.0 146.0

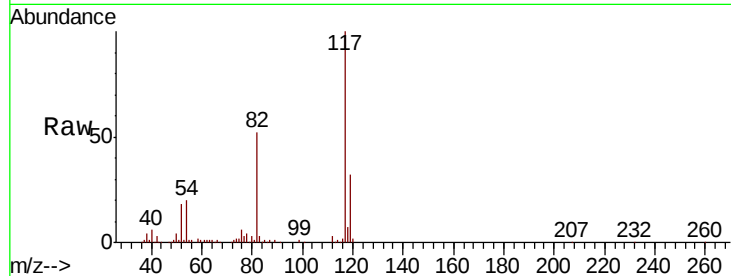




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	45.9	68.9
119	31.7	25.5	38.3

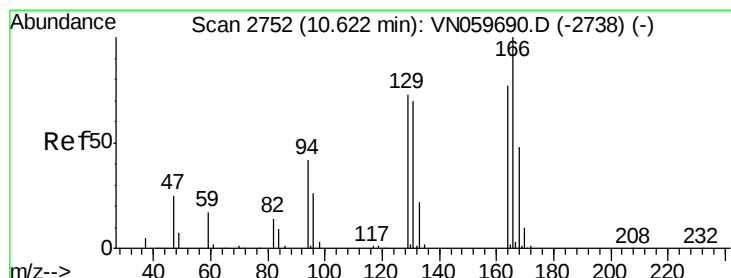
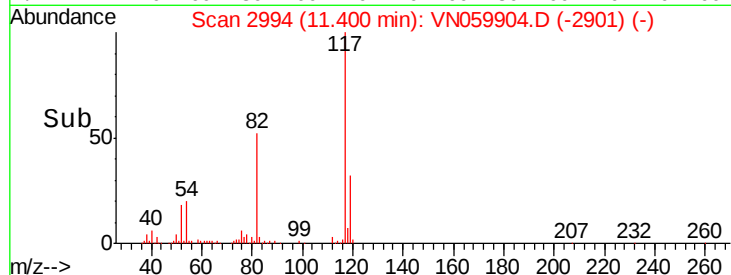
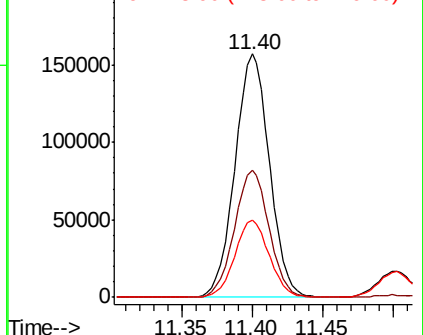


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 23.808 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.4	152.0
129	94.1	80.2	120.4
131	90.4	75.0	112.4

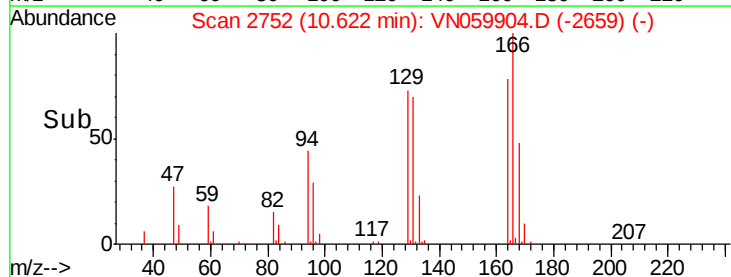
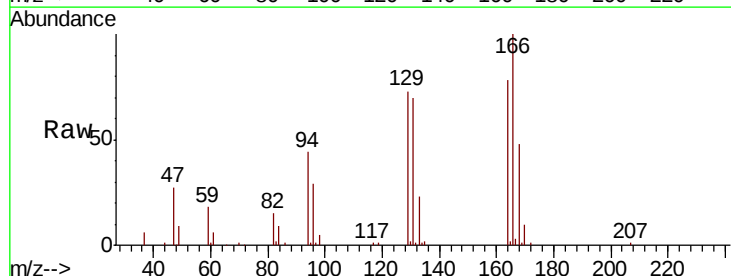
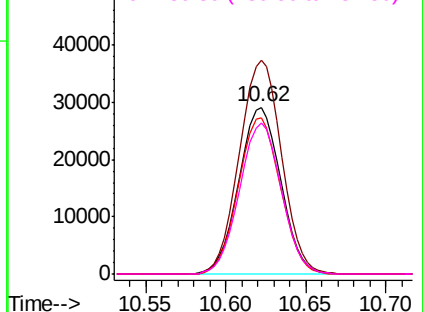
Abundance

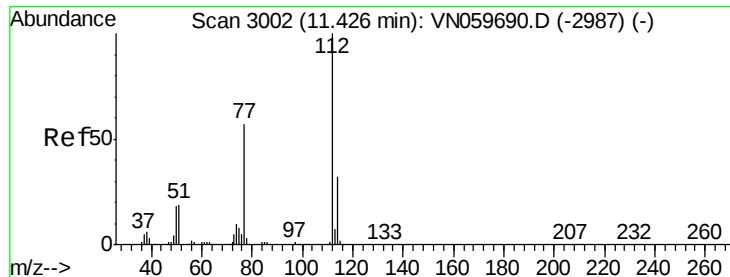
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

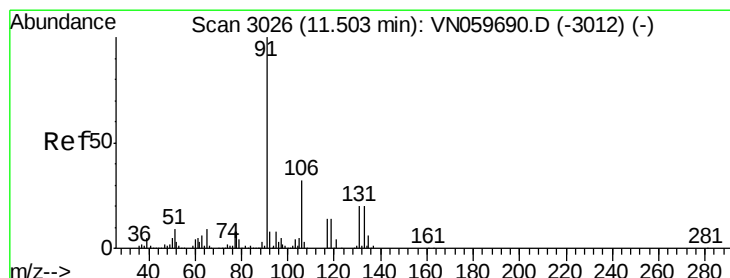
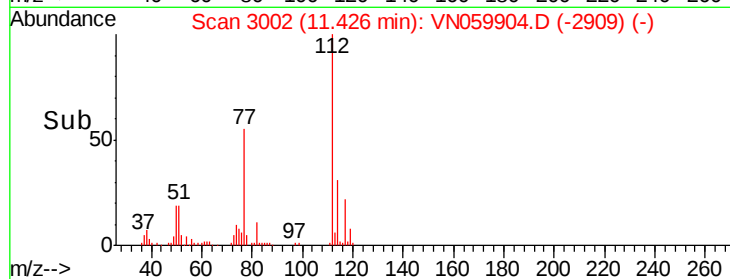
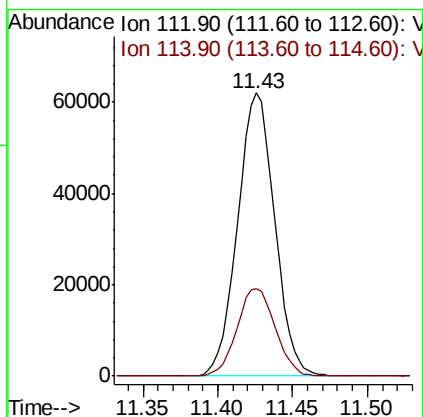
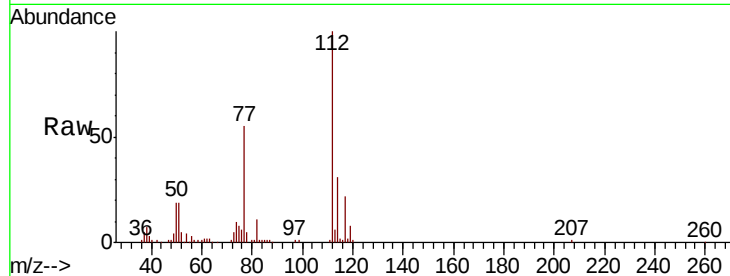




#65
Chlorobenzene
Concen: 20.305 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

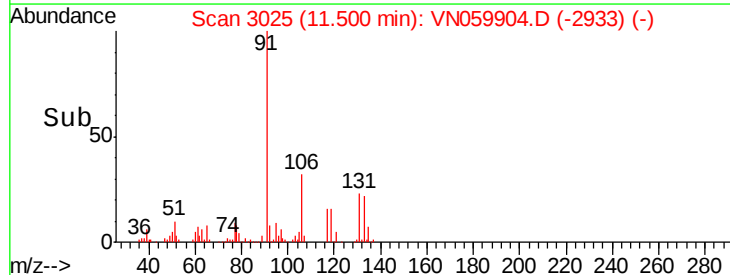
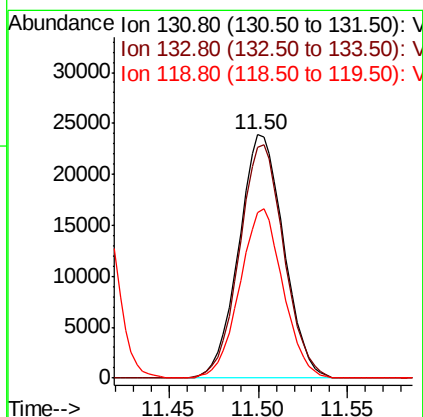
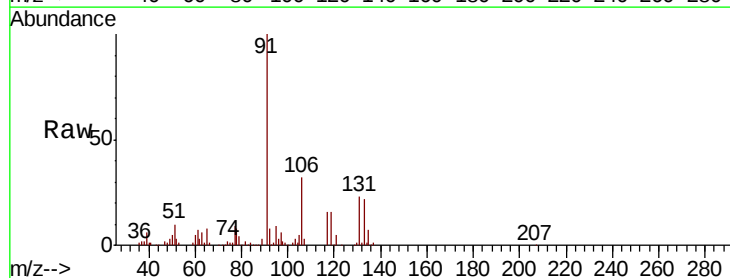
Instrument :
MSVOA_N
ClientSampleId :

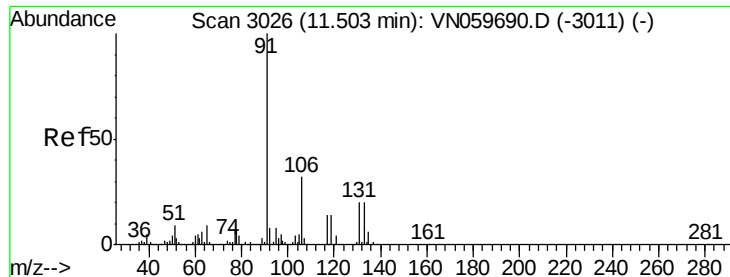
Tot Ion:112 Resp: 107179
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.628 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion:131 Resp: 42071
Ion Ratio Lower Upper
131 100
133 95.1 47.4 142.2
119 66.9 33.1 99.3





#67

Ethyl Benzene

Concen: 19.719 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

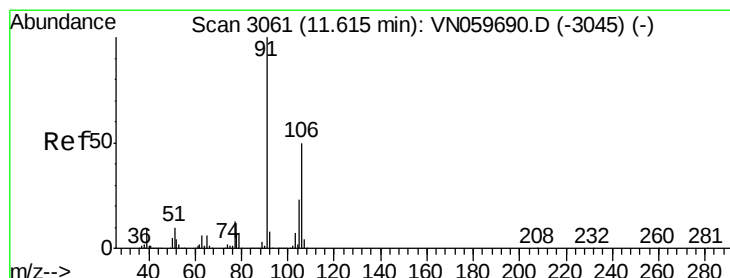
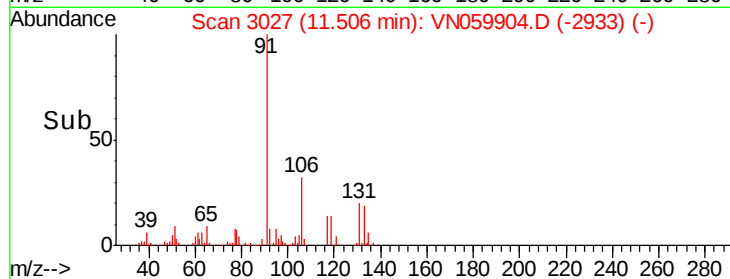
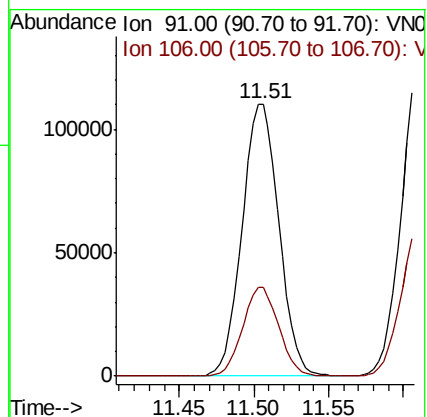
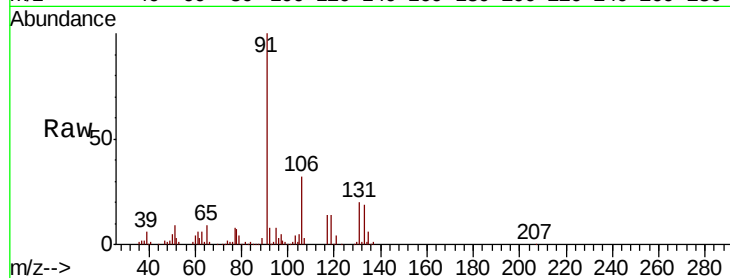
ClientSampled :

Tot Ion: 91 Resp: 188942

Ion Ratio Lower Upper

91 100

106 32.4 24.1 36.1



#68

m/p-Xylenes

Concen: 39.673 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059904.D

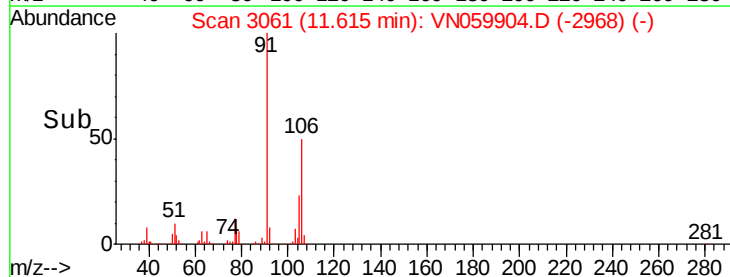
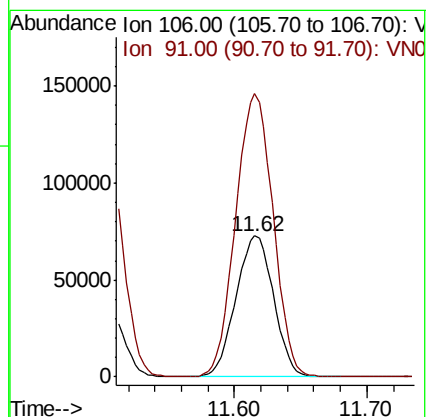
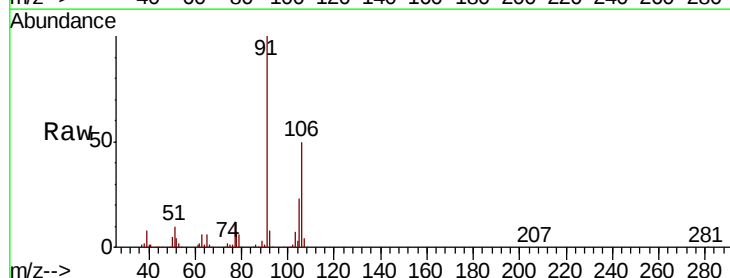
Acq: 29 Jan 2020 12:03

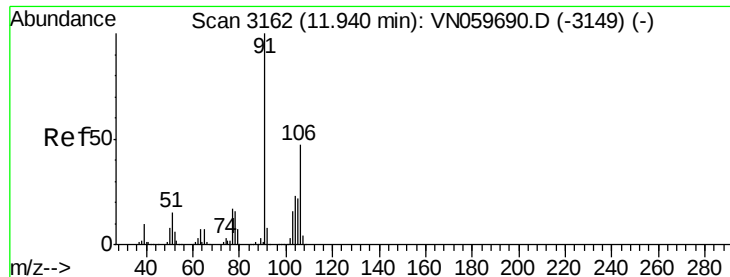
Tgt Ion: 106 Resp: 143597

Ion Ratio Lower Upper

106 100

91 199.4 167.9 251.9

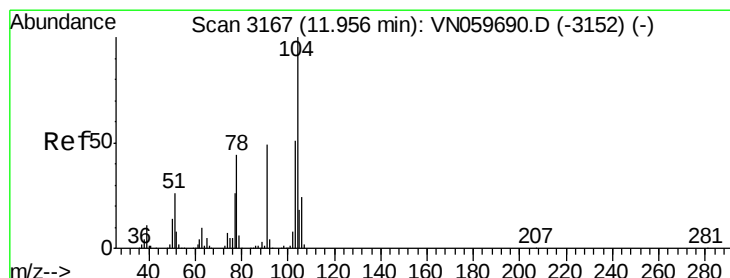
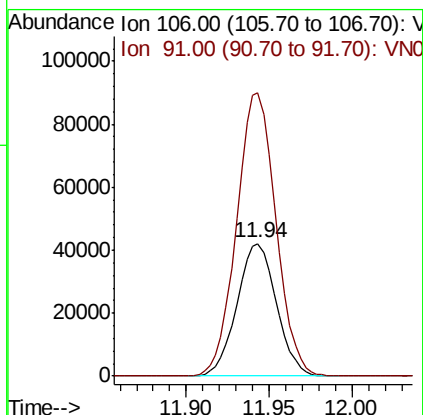
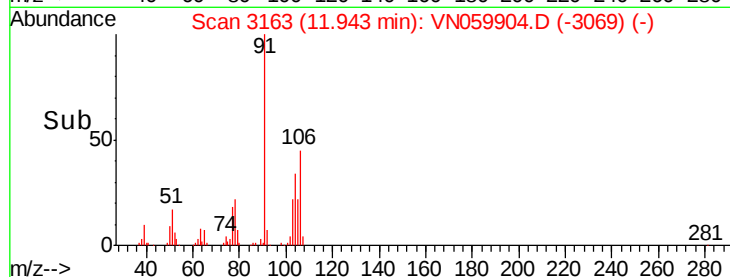
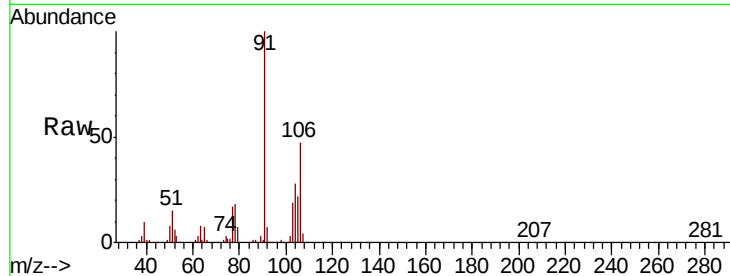




#69
o-Xylene
Concen: 19.681 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

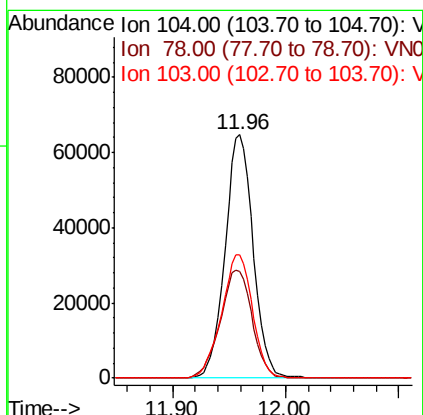
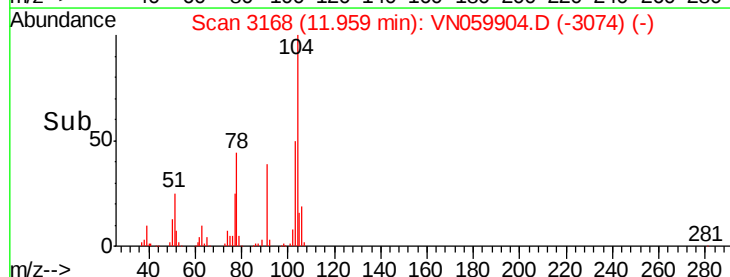
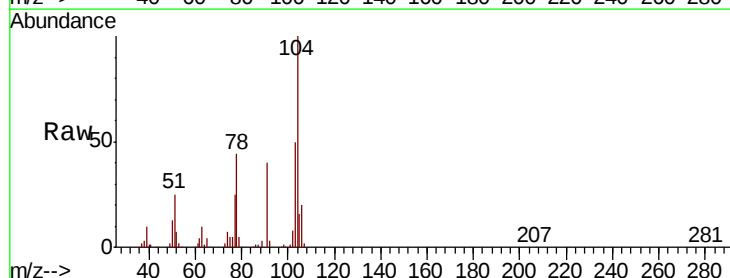
Instrument :
MSVOA_N
ClientSampled :

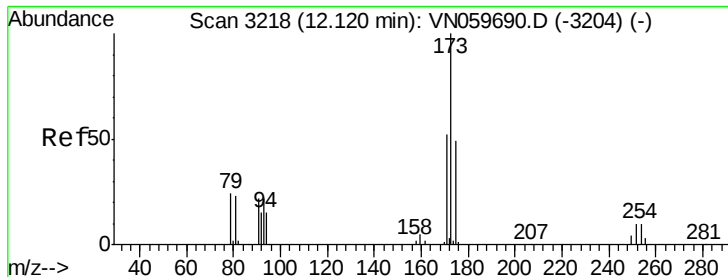
Tot Ion:106 Resp: 69741
Ion Ratio Lower Upper
106 100
91 212.4 110.3 330.9



#70
Styrene
Concen: 18.829 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion:104 Resp: 111647
Ion Ratio Lower Upper
104 100
78 50.4 42.4 63.6
103 55.7 43.9 65.9





#71

Bromoform

Concen: 20.516 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

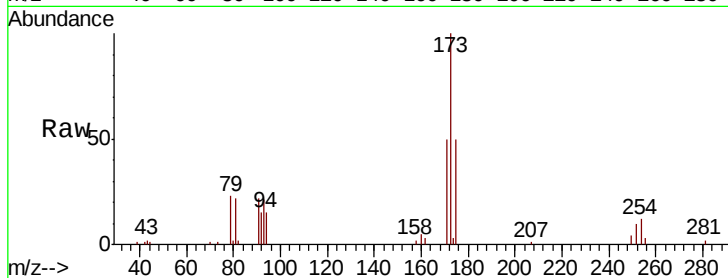
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:173 Resp: 33517

Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.8	71.4
254	0.0	0.0	0.0

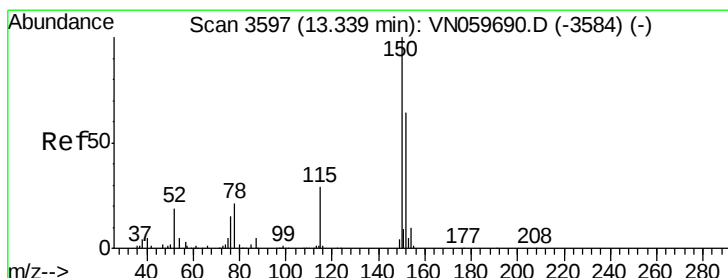
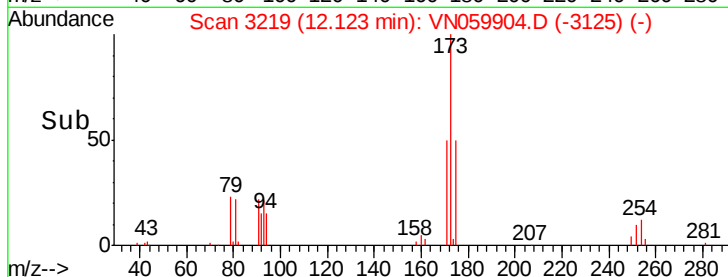
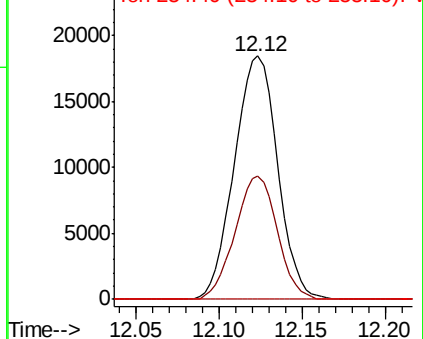


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

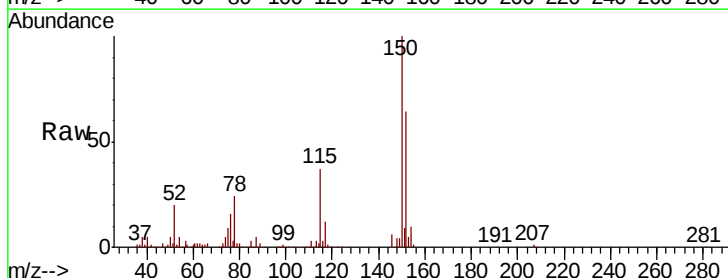
Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Tgt Ion:152 Resp: 125985

Ion	Ratio	Lower	Upper
152	100		
115	58.0	30.3	90.9
150	161.9	0.0	345.2

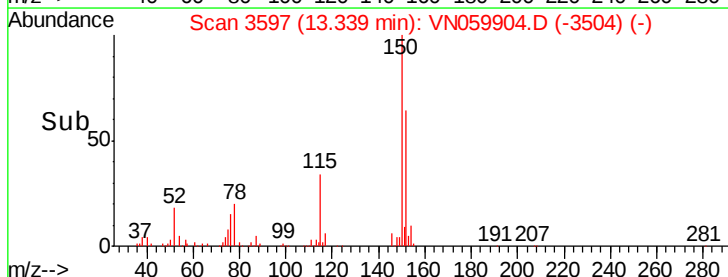
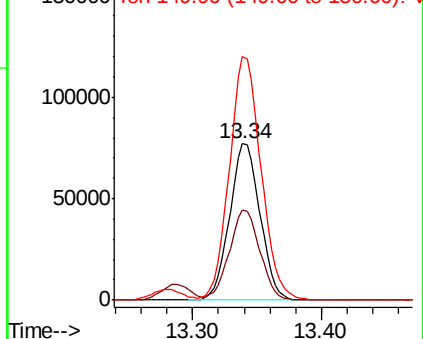


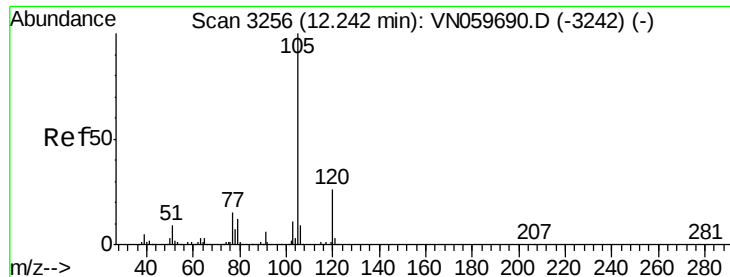
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.194 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

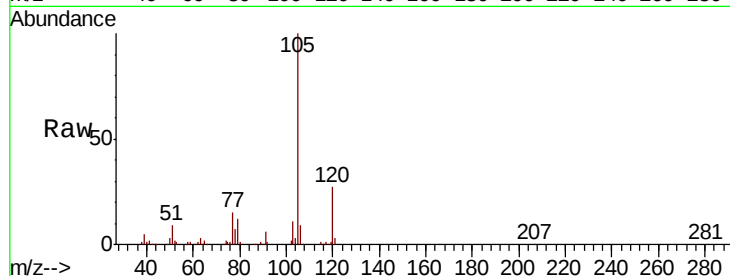
ClientSampleId :

Tot Ion:105 Resp: 186589

Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

100000

80000

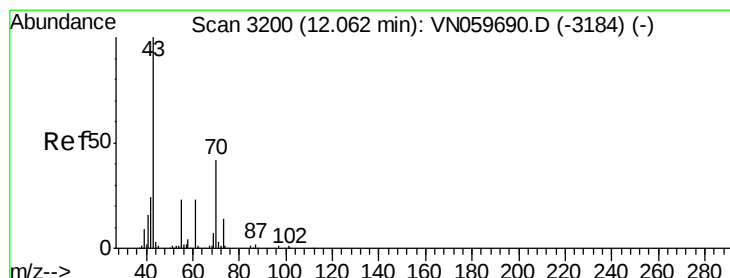
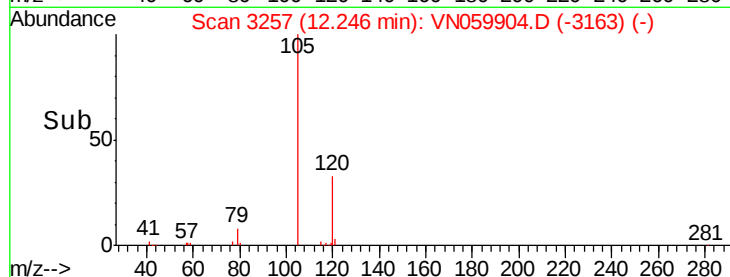
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 17.411 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Tgt Ion: 43 Resp: 62425

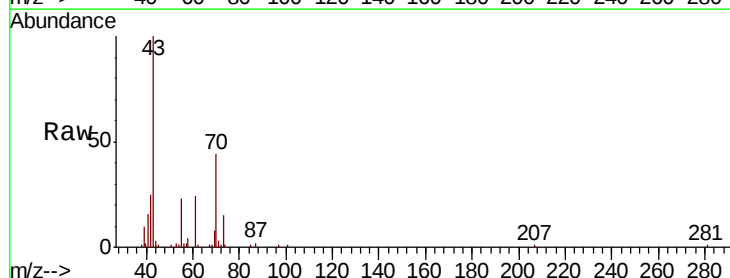
Ion Ratio Lower Upper

43 100

70 44.7 31.3 46.9

55 23.7 19.8 29.6

61 24.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

60000

50000

40000

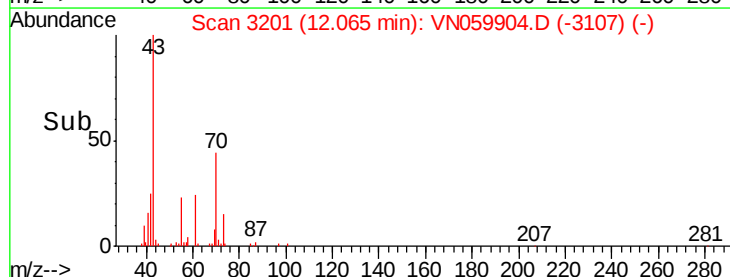
30000

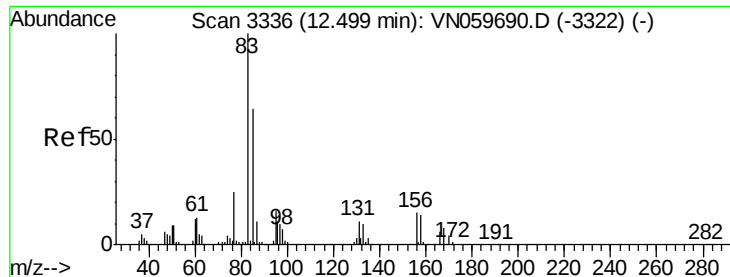
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.588 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

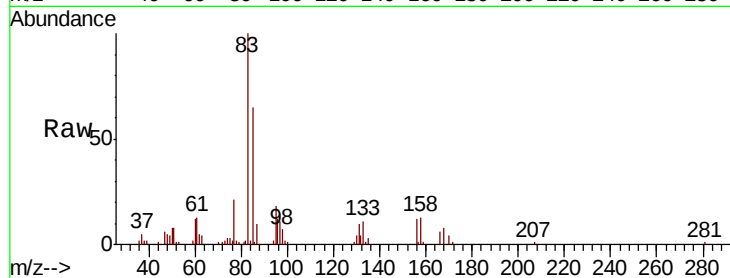
Tot Ion: 83 Resp: 52469

Ion Ratio Lower Upper

83 100

131 10.4 5.0 14.9

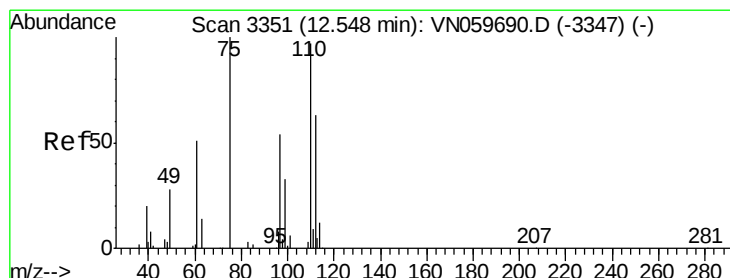
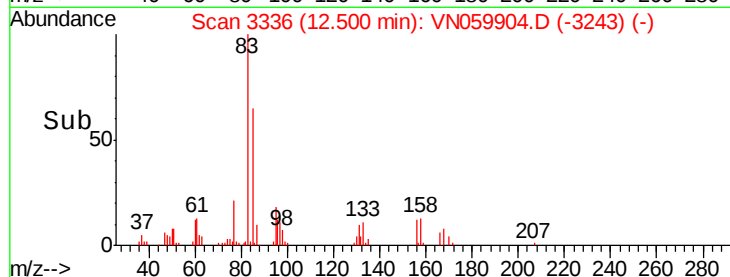
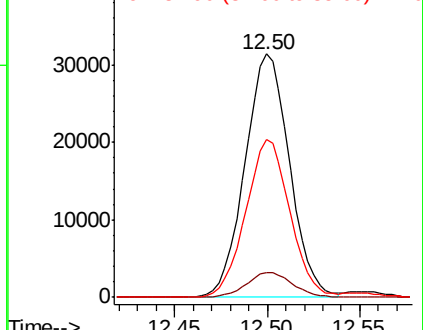
85 64.2 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 33.682 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059904.D

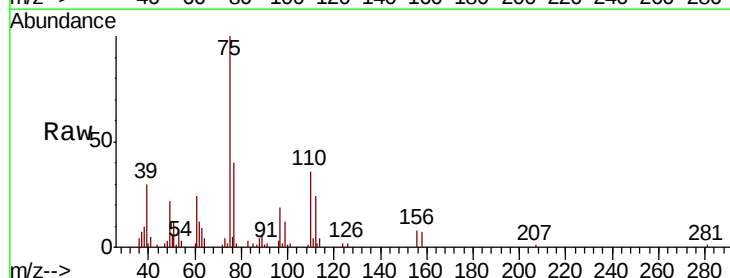
Acq: 29 Jan 2020 12:03

Tgt Ion: 75 Resp: 71413

Ion Ratio Lower Upper

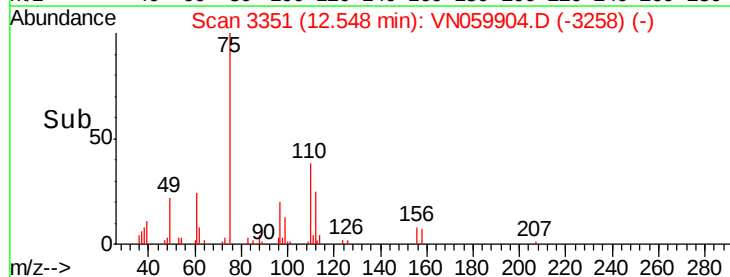
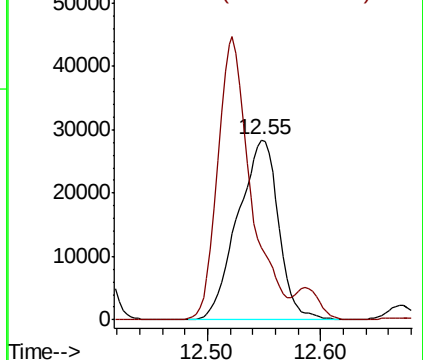
75 100

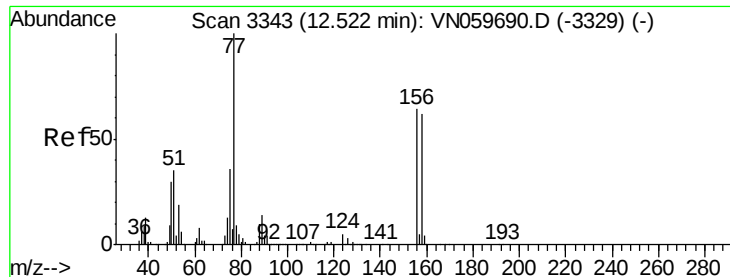
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.655 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

ClientSampled :

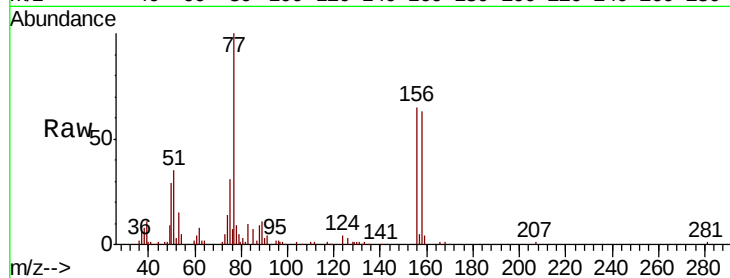
Tot Ion:156 Resp: 48329

Ion Ratio Lower Upper

156 100

77 188.5 115.8 347.4

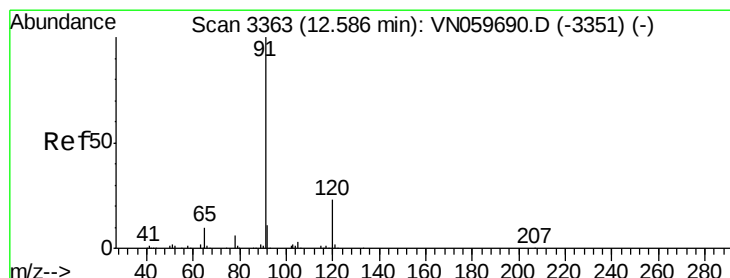
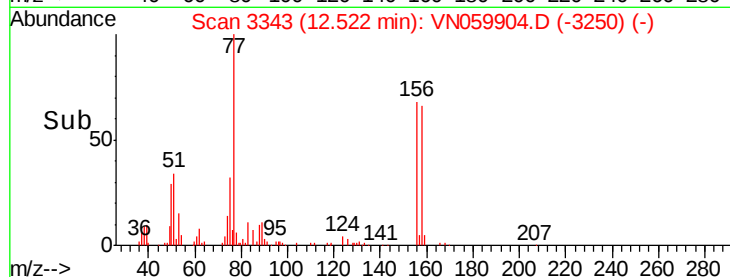
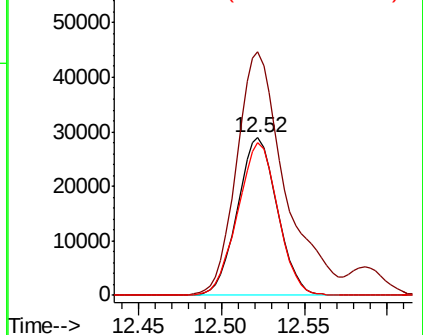
158 97.4 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.974 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059904.D

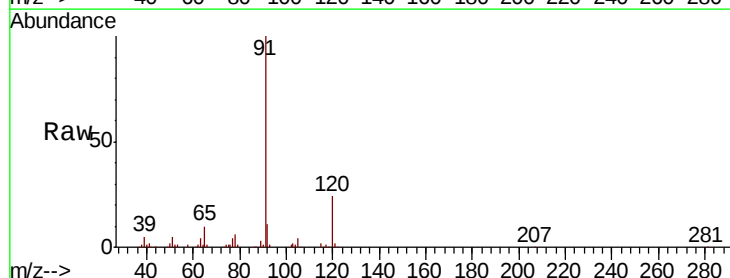
Acq: 29 Jan 2020 12:03

Tgt Ion: 91 Resp: 207142

Ion Ratio Lower Upper

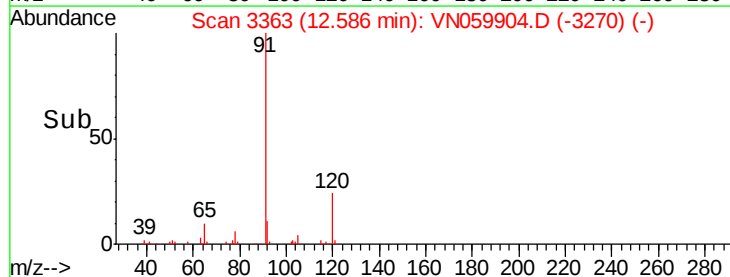
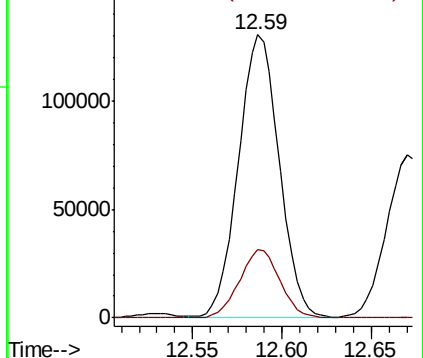
91 100

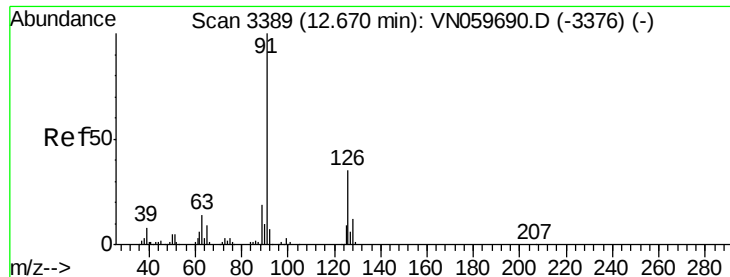
120 24.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

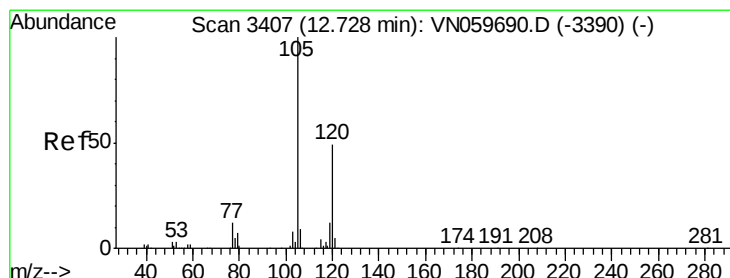
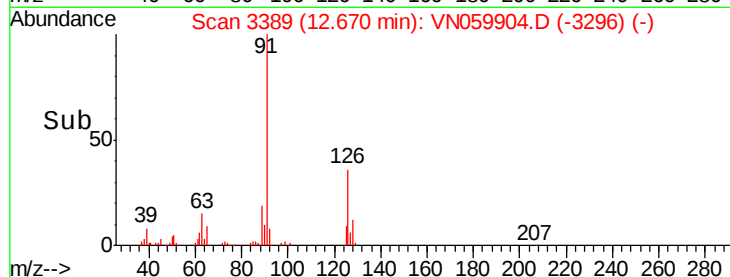
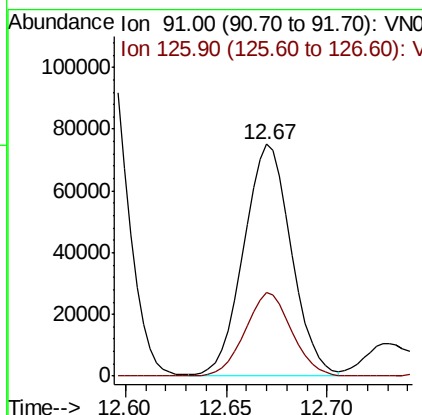
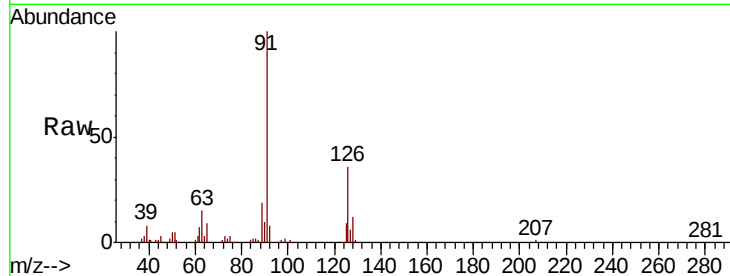




#79
 2-Chlorotoluene
 Concen: 19.989 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN059904.D
 Acq: 29 Jan 2020 12:03

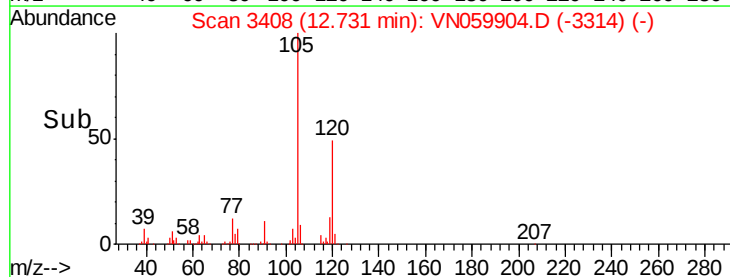
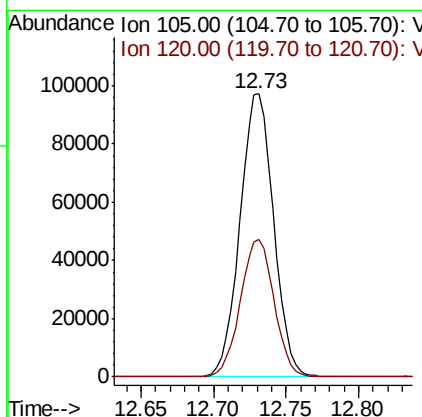
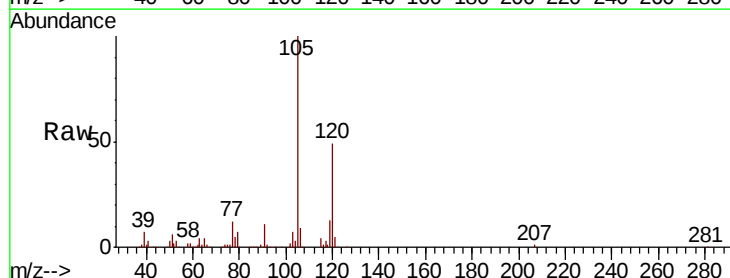
Instrument :
 MSVOA_N
 ClientSampled :

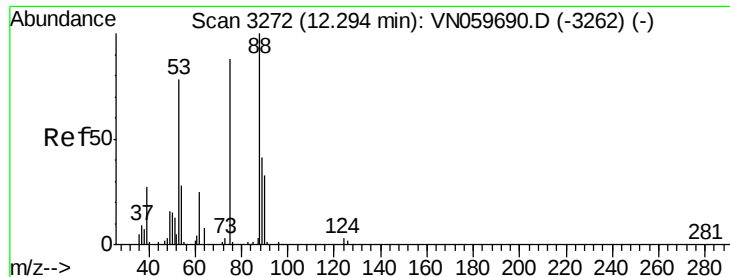
Tot Ion: 91 Resp: 123324
 Ion Ratio Lower Upper
 91 100
 126 35.4 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.164 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN059904.D
 Acq: 29 Jan 2020 12:03

Tgt Ion: 105 Resp: 156685
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.4

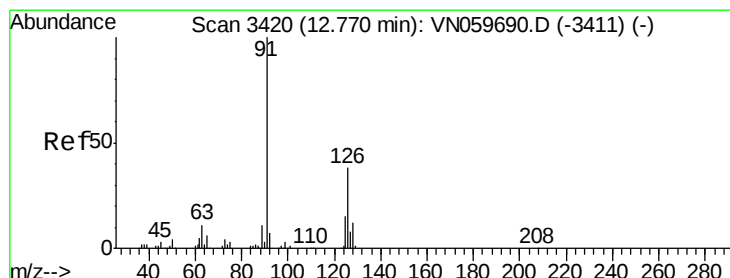
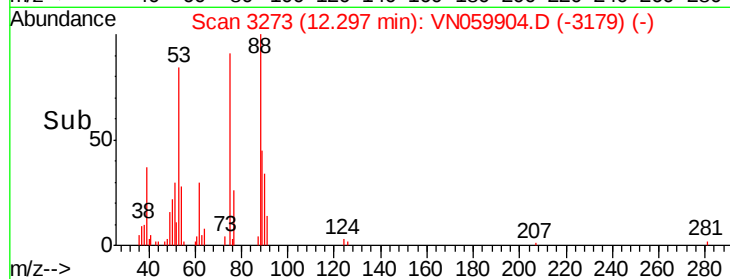
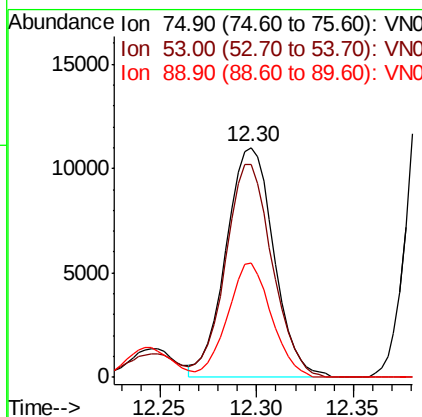
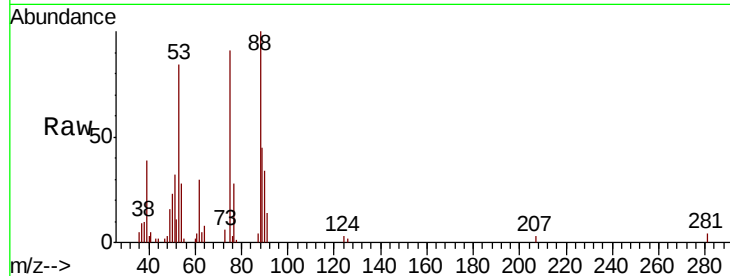




#81
trans-1,4-Dichloro-2-butene
Concen: 19.196 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

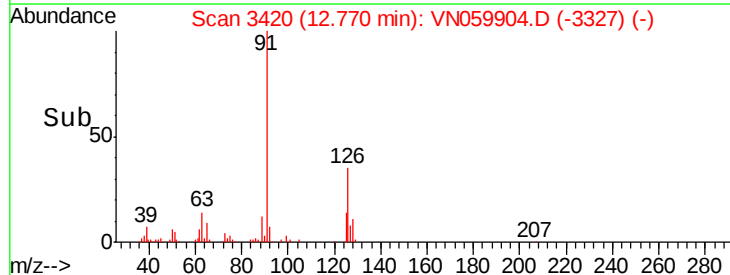
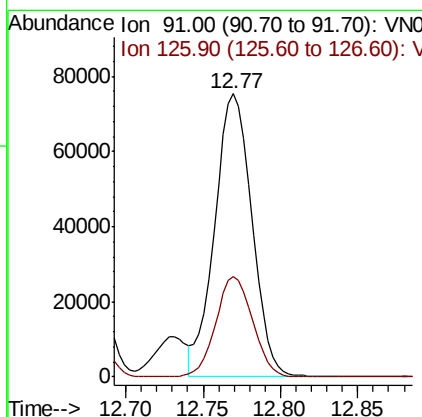
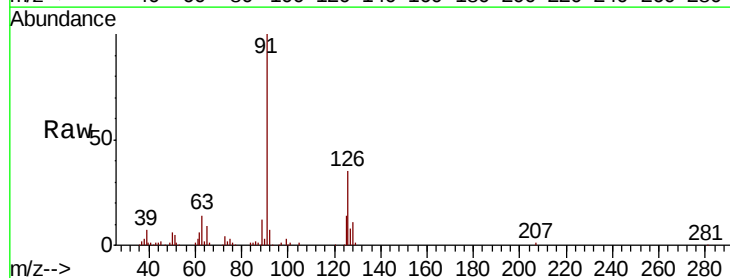
Instrument :
MSVOA_N
ClientSampleId :

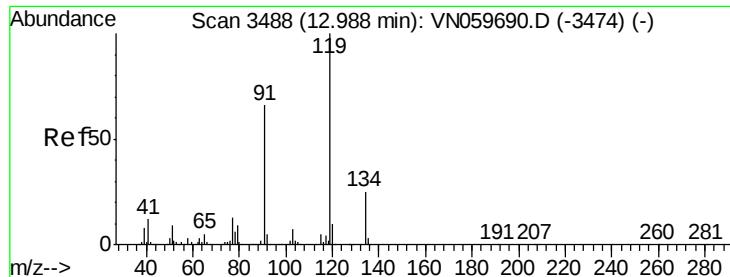
Tot Ion: 75 Resp: 18952
Ion Ratio Lower Upper
75 100
53 90.5 78.1 117.1
89 45.3 35.4 53.2



#82
4-Chlorotoluene
Concen: 20.389 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion: 91 Resp: 126166
Ion Ratio Lower Upper
91 100
126 35.0 16.3 48.8

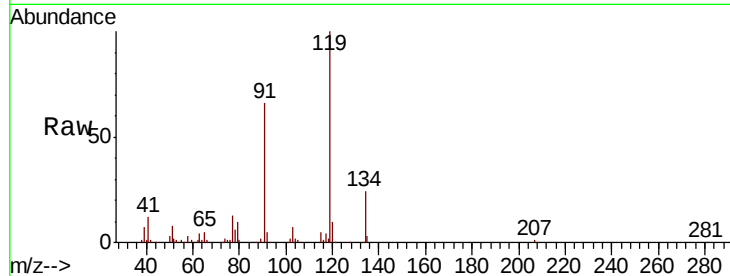




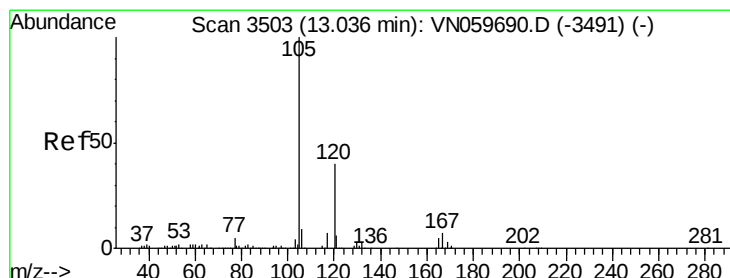
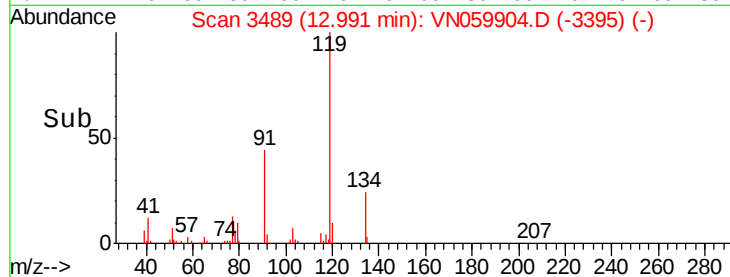
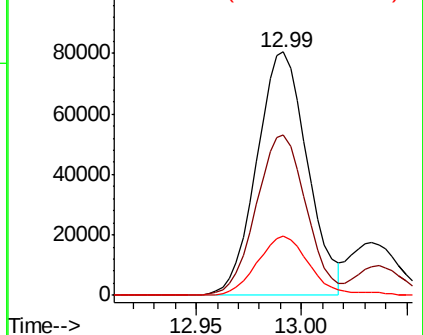
#83
tert-Butylbenzene
Concen: 20.004 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 134438
Ion Ratio Lower Upper
119 100
91 65.5 34.8 104.4
134 25.2 12.3 36.9

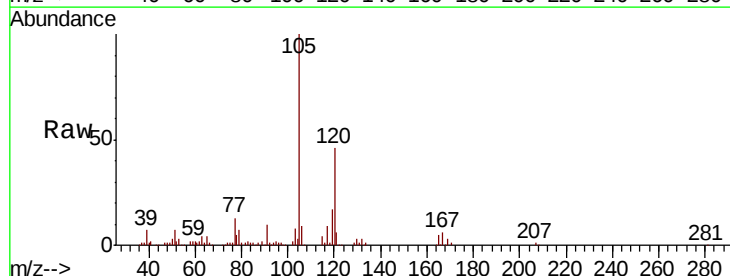


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

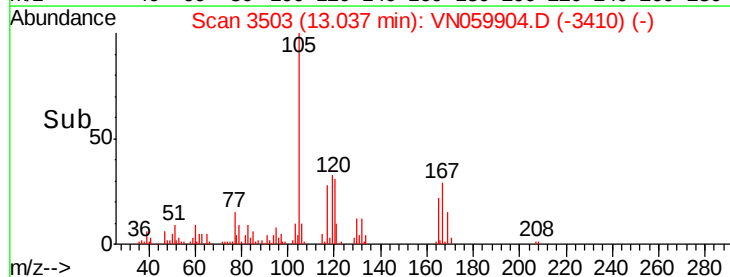
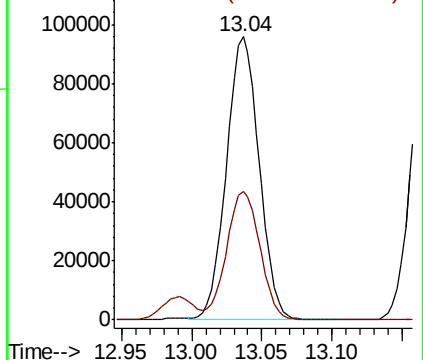


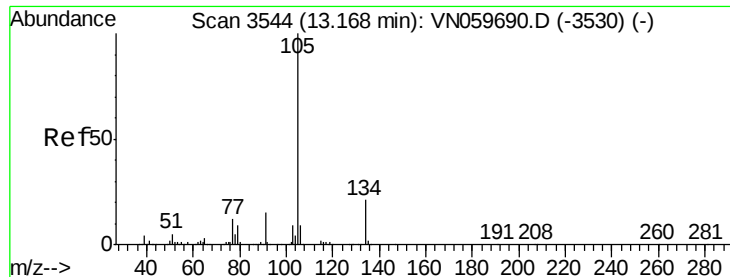
#84
1,2,4-Trimethylbenzene
Concen: 20.284 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059904.D
Acq: 29 Jan 2020 12:03

Tgt Ion:105 Resp: 155937
Ion Ratio Lower Upper
105 100
120 46.4 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.838 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

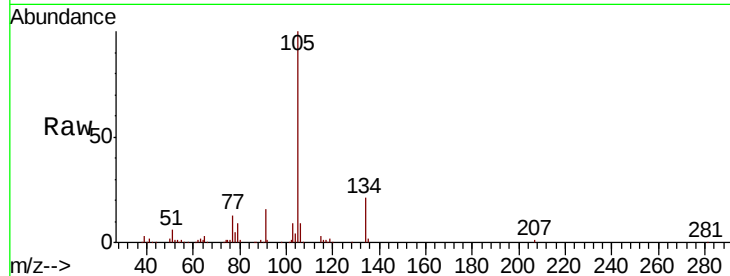
ClientSampleId :

Tot Ion:105 Resp: 175161

Ion Ratio Lower Upper

105 100

134 20.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

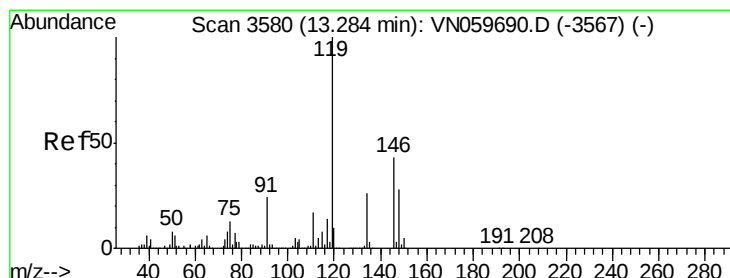
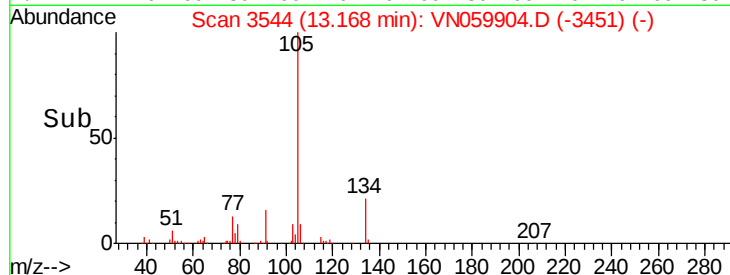
40000

20000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 19.909 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

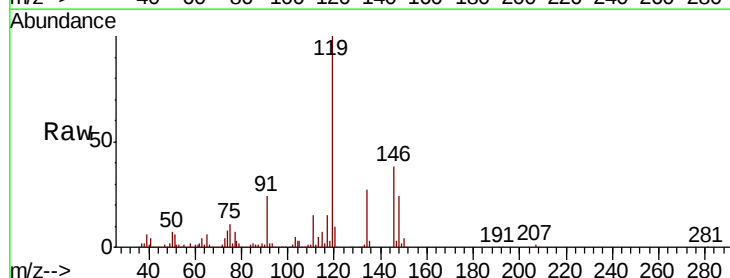
Tgt Ion:119 Resp: 162662

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 24.0 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

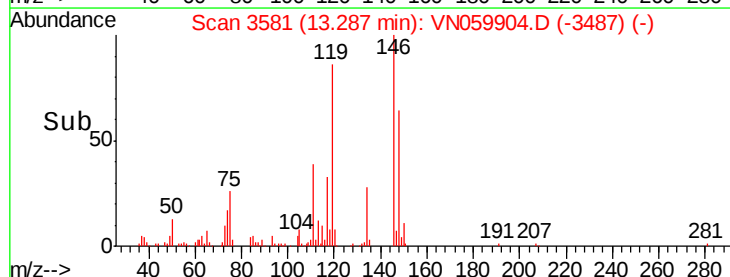
100000

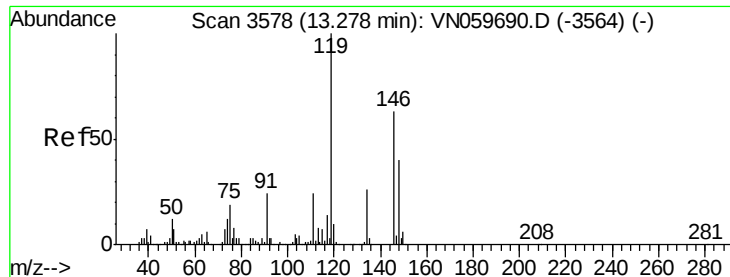
50000

0

13.20 13.25 13.30 13.35

Time-->

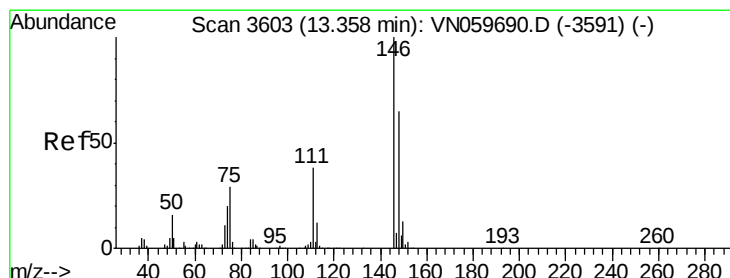
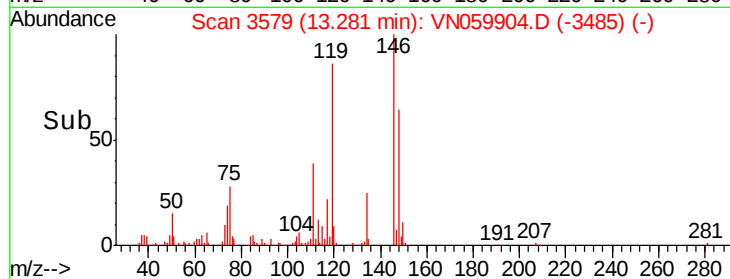
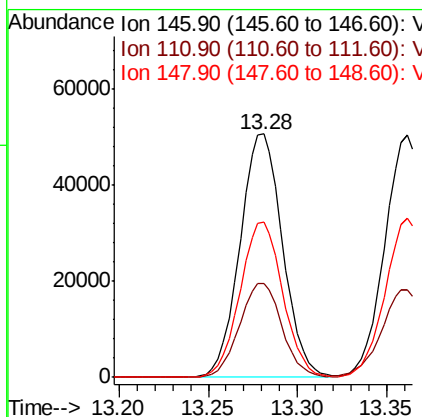
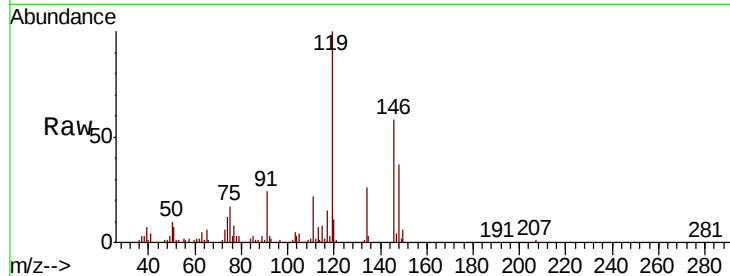




#87
 1,3-Dichlorobenzene
 Concen: 20.728 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059904.D
 Acq: 29 Jan 2020 12:03

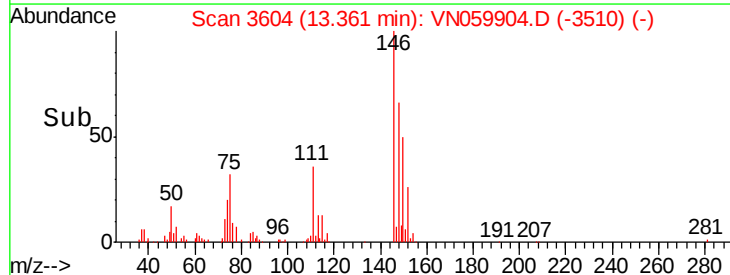
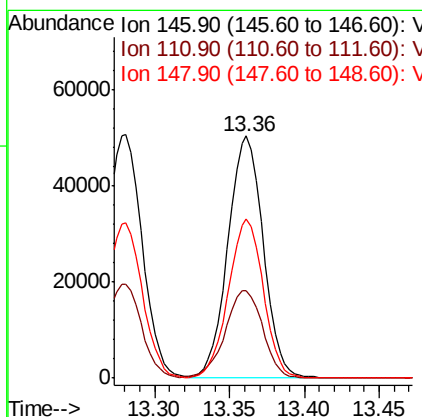
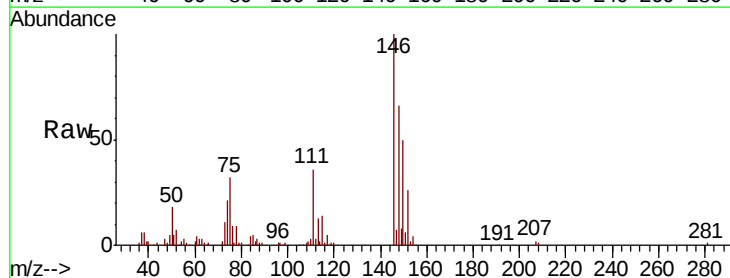
Instrument :
 MSVOA_N
 ClientSampleId :

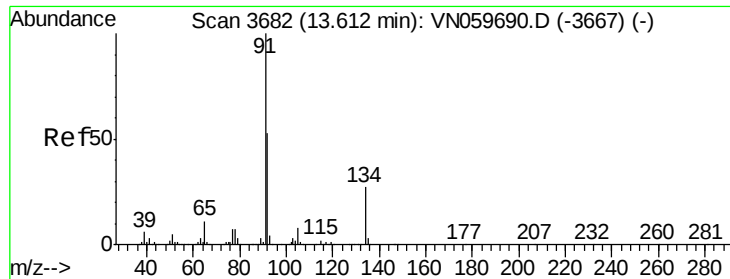
Tot Ion:146 Resp: 84247
 Ion Ratio Lower Upper
 146 100
 111 38.5 20.8 62.2
 148 63.8 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.475 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059904.D
 Acq: 29 Jan 2020 12:03

Tgt Ion:146 Resp: 83020
 Ion Ratio Lower Upper
 146 100
 111 38.6 20.8 62.2
 148 65.1 31.8 95.4





#89

n-Butylbenzene

Concen: 19.552 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

ClientSampled :

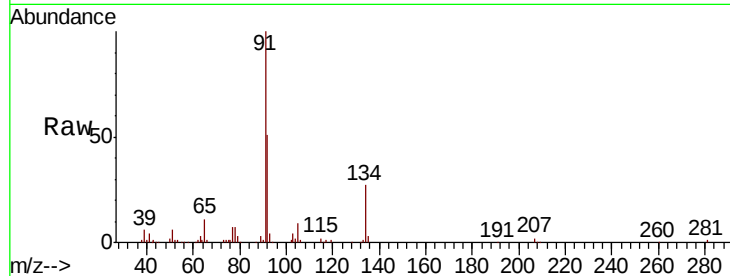
Tot Ion: 91 Resp: 136202

Ion Ratio Lower Upper

91 100

92 52.1 25.9 77.7

134 27.0 12.3 36.8

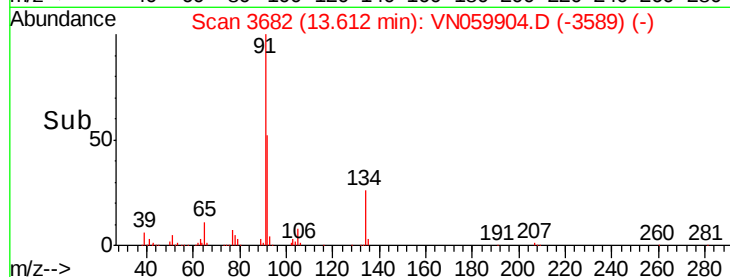


Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN059690.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN059690.D (-3667) (-)

Time-->

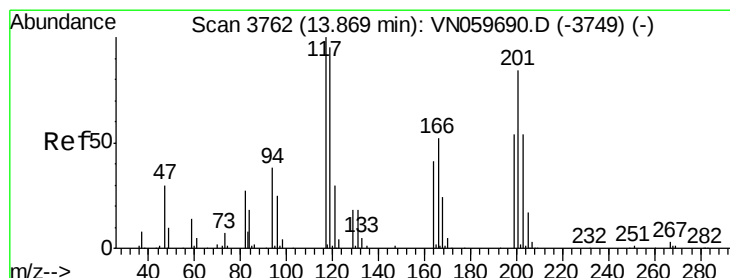


Abundance Ion 91.00 (90.70 to 91.70): VN059904.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN059904.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN059904.D (-3589) (-)

Time-->



#90

Hexachloroethane

Concen: 19.455 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059904.D

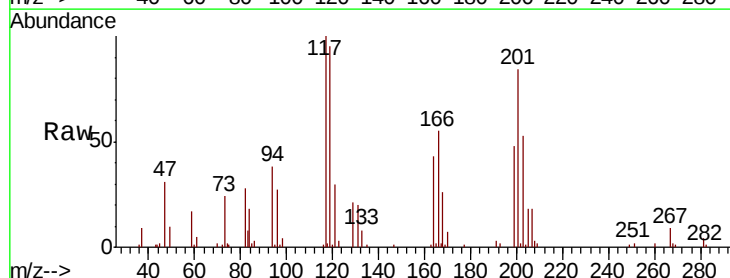
Acq: 29 Jan 2020 12:03

Tgt Ion: 117 Resp: 29740

Ion Ratio Lower Upper

117 100

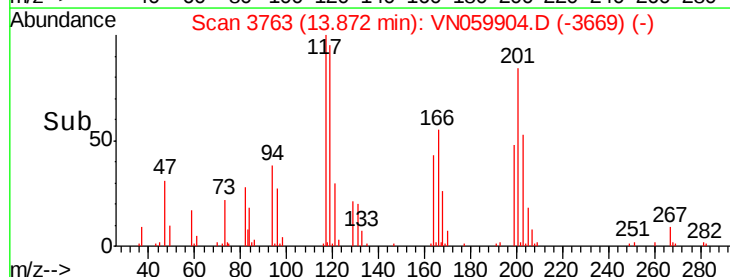
201 83.7 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059690.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN059690.D (-3749) (-)

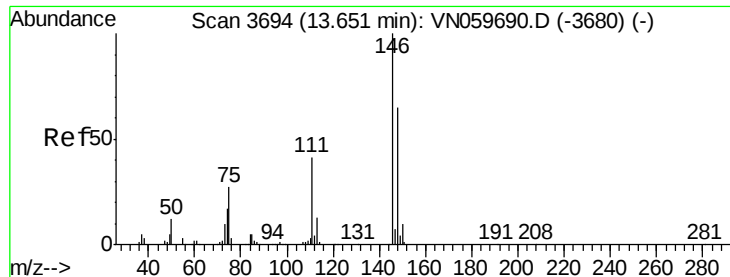
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN059904.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN059904.D (-3669) (-)

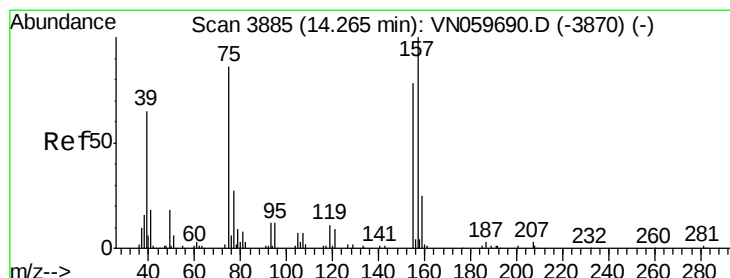
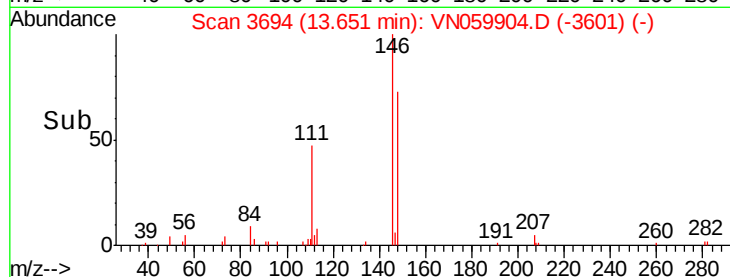
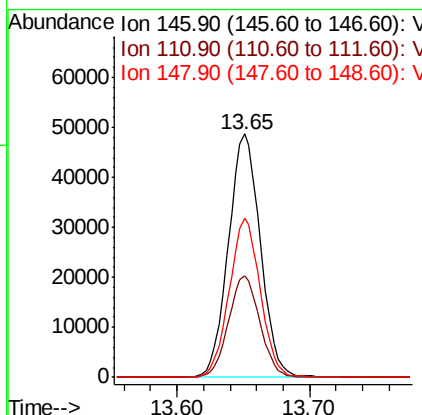
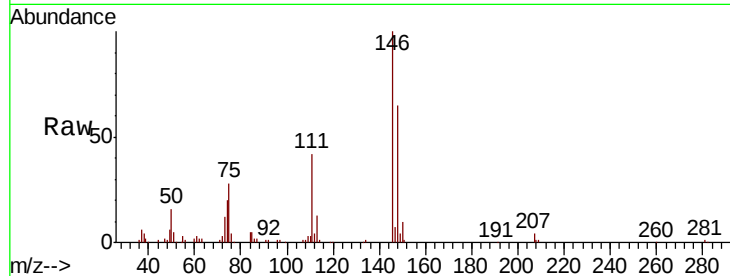
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 20.285 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059904.D
 Acq: 29 Jan 2020 12:03

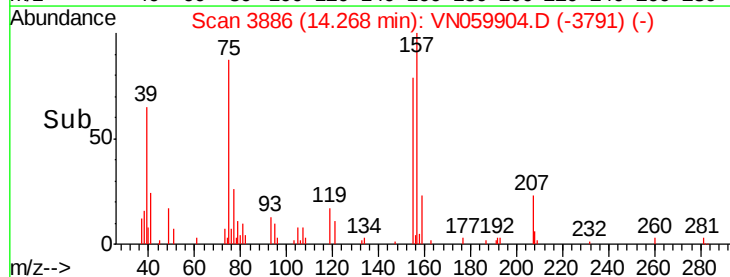
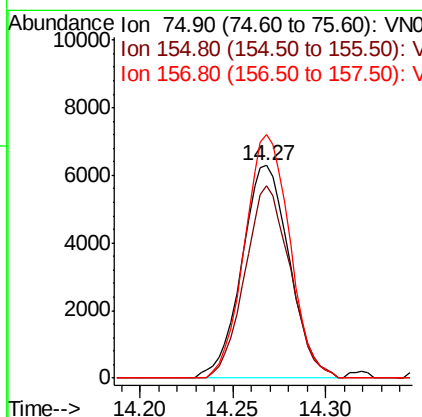
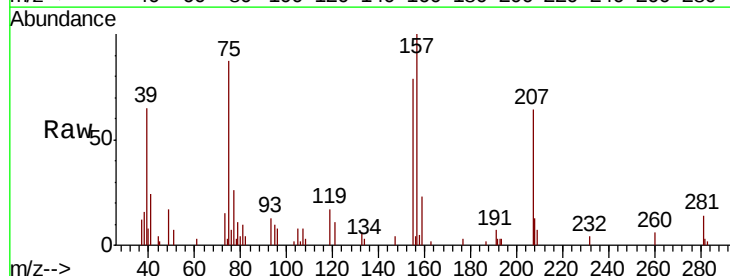
Instrument :
 MSVOA_N
 ClientSampleId :

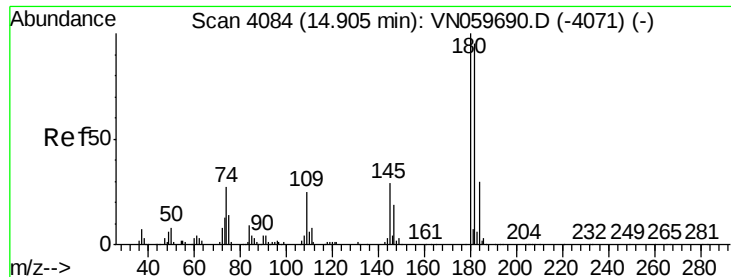
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.6	64.8
148	63.5	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.187 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059904.D
 Acq: 29 Jan 2020 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	37.0	110.9
157	108.3	48.4	145.2





#93

1,2,4-Trichlorobenzene

Concen: 20.166 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

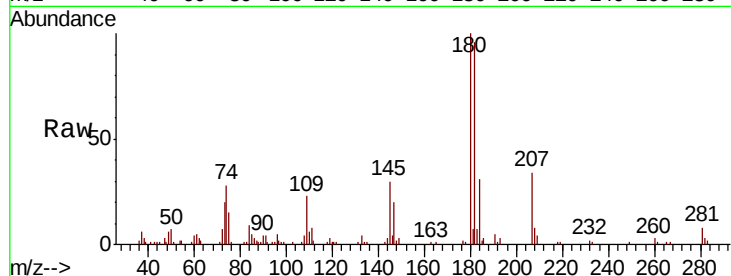
Tot Ion:180 Resp: 48689

Ion Ratio Lower Upper

180 100

182 95.2 46.9 140.7

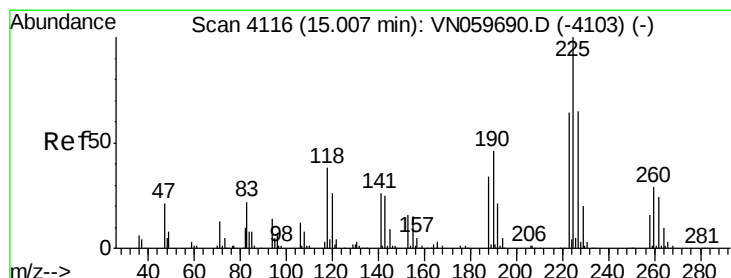
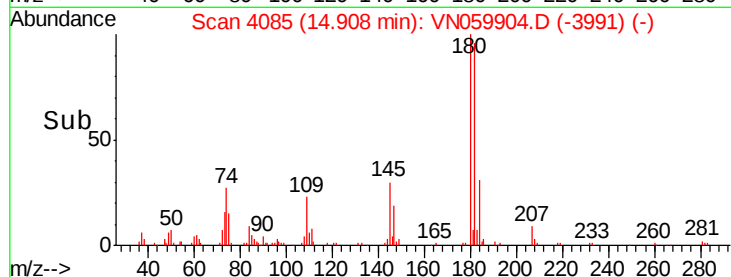
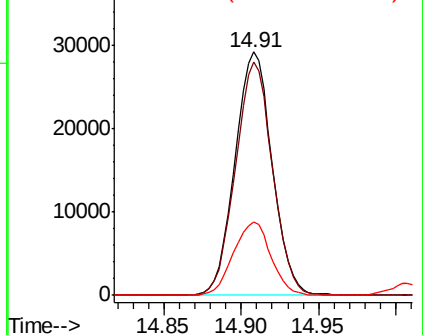
145 30.3 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.593 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

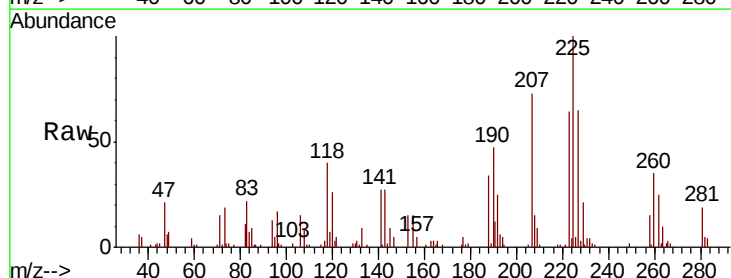
Tgt Ion:225 Resp: 26068

Ion Ratio Lower Upper

225 100

223 65.7 31.8 95.3

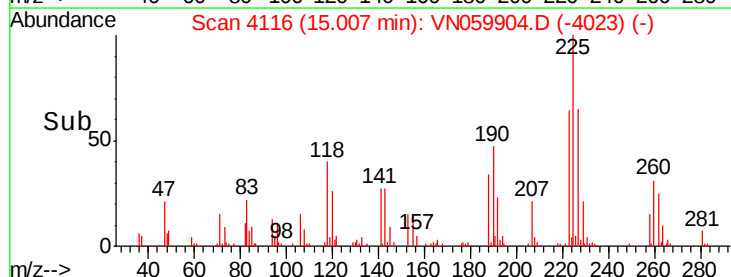
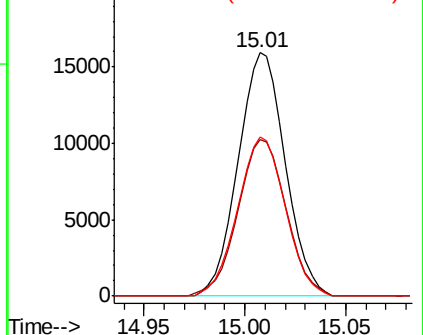
227 66.0 32.1 96.5

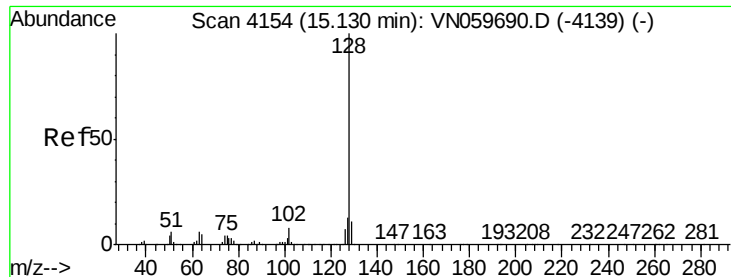


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.673 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059904.D

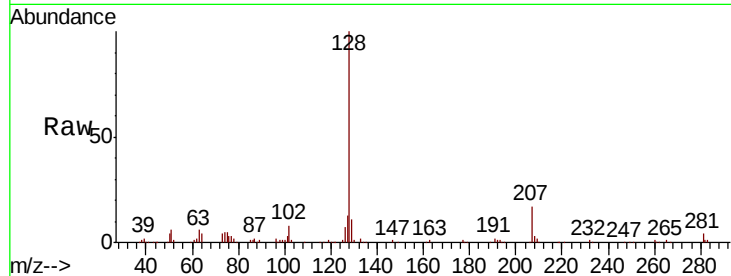
Acq: 29 Jan 2020 12:03

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	128	Resp:	128239
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	12.8

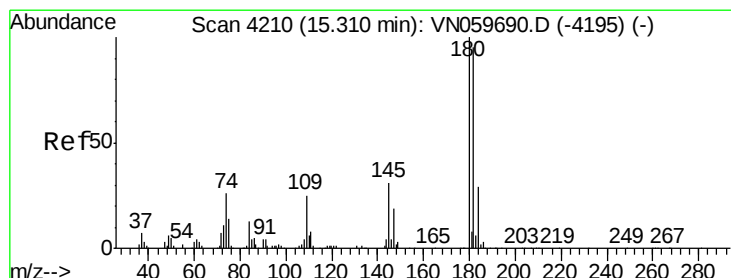
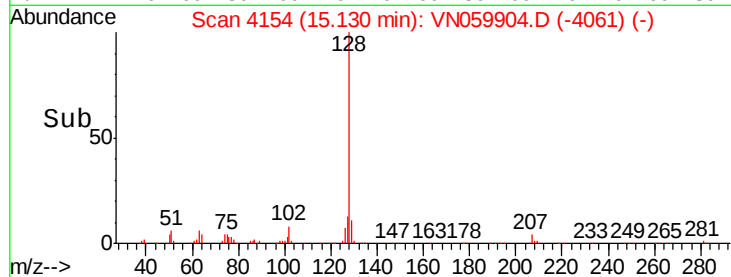
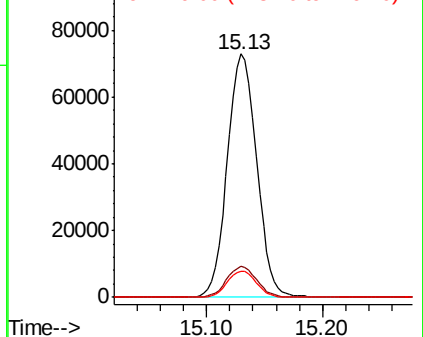


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.953 ug/l

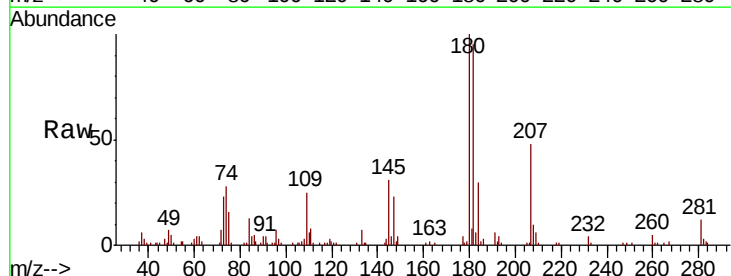
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059904.D

Acq: 29 Jan 2020 12:03

Tgt Ion:	180	Resp:	46893
Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.4	142.3
145	31.2	16.3	48.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

