

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059903.D
 Acq On : 29 Jan 2020 11:28
 Operator : JC/MD
 Sample : VN0129WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 29 23:59:44 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	202382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	307979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	277505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129952	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	109631	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
35) Dibromofluoromethane	7.56	113	91359	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	10.08	98	349036	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.40	95	123689	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	41720	17.141	ug/l	97
3) Chloromethane	2.04	50	39086	16.869	ug/l	97
4) Vinyl Chloride	2.17	62	51054	19.258	ug/l	97
5) Bromomethane	2.55	94	30406	18.794	ug/l	97
6) Chloroethane	2.69	64	23965	19.107	ug/l	100
7) Trichlorofluoromethane	3.00	101	61719	19.386	ug/l	97
8) Diethyl Ether	3.39	74	21647	19.374	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36396	20.540	ug/l	92
10) Methyl Iodide	3.93	142	52317	18.266	ug/l	95
11) Tert butyl alcohol	4.73	59	32776	86.628	ug/l	100
12) 1,1-Dichloroethene	3.72	96	34557	18.664	ug/l	88
13) Acrolein	3.58	56	15619	58.317	ug/l	97
14) Allyl chloride	4.29	41	49897	19.993	ug/l #	90
15) Acrylonitrile	4.95	53	79837	92.505	ug/l	99
16) Acetone	3.78	43	93783	117.018	ug/l	94
17) Carbon Disulfide	4.03	76	84734	16.065	ug/l	99
18) Methyl Acetate	4.29	43	48906	18.629	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	120373	19.939	ug/l	92
20) Methylene Chloride	4.52	84	39215	18.470	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	36827	18.711	ug/l	86
22) Diisopropyl ether	5.91	45	107350	18.981	ug/l #	93
23) Vinyl Acetate	5.86	43	391589	89.426	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	67307	19.477	ug/l	97
25) 2-Butanone	6.80	43	114841	90.231	ug/l	90
26) 2,2-Dichloropropane	6.80	77	64087	19.290	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	44863	19.818	ug/l	88
28) Bromochloromethane	7.17	49	23845	17.264	ug/l #	69
29) Tetrahydrofuran	7.18	42	67152	85.275	ug/l #	85
30) Chloroform	7.35	83	71751	20.039	ug/l	97
31) Cyclohexane	7.63	56	57104	17.172	ug/l #	85
32) 1,1,1-Trichloroethane	7.55	97	65371	19.745	ug/l	96
36) 1,1-Dichloropropene	7.77	75	51041	19.031	ug/l	96
37) Ethyl Acetate	6.90	43	44528	17.702	ug/l	96
38) Carbon Tetrachloride	7.75	117	58133	19.926	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	60662	18.344	ug/l	90
40) Benzene	8.02	78	153808	19.229	ug/l	100
41) Methacrylonitrile	7.18	41	63092	50.921	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	55668	20.527	ug/l	97
43) Isopropyl Acetate	8.14	43	78183	18.070	ug/l #	94
44) Trichloroethene	8.82	130	46337	21.221	ug/l	94
45) 1,2-Dichloropropane	9.10	63	39444	19.928	ug/l	98
46) Dibromomethane	9.19	93	28223	20.214	ug/l	91
47) Bromodichloromethane	9.39	83	56637	20.130	ug/l	99
48) Methyl methacrylate	9.18	41	33681	17.403	ug/l	89
49) 1,4-Dioxane	9.18	88	13541	382.201	ug/l #	85
51) 4-Methyl-2-Pentanone	9.97	43	223212	89.244	ug/l	94
52) Toluene	10.14	92	99507	19.695	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	61487	19.572	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	65774	19.898	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	41051	20.515	ug/l	95
56) Ethyl methacrylate	10.42	69	55245	18.068	ug/l	93
57) 1,3-Dichloropropane	10.70	76	64644	20.348	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	85239	92.556	ug/l	91
59) 2-Hexanone	10.74	43	165965	90.071	ug/l	94
60) Dibromochloromethane	10.89	129	46842	20.557	ug/l	99
61) 1,2-Dibromoethane	10.99	107	42026	20.038	ug/l	97
64) Tetrachloroethene	10.62	164	51422	22.736	ug/l	95
65) Chlorobenzene	11.43	112	111142	20.376	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	43163	20.480	ug/l	99
67) Ethyl Benzene	11.51	91	196849	19.881	ug/l	98
68) m/p-Xylenes	11.62	106	148243	39.635	ug/l	94
69) o-Xylene	11.94	106	71850	19.622	ug/l	94
70) Styrene	11.96	104	114548	18.695	ug/l	97
71) Bromoform	12.12	173	33602	19.904	ug/l #	100
73) Isopropylbenzene	12.25	105	198637	20.842	ug/l	99
74) N-amyl acetate	12.07	43	62984	17.031	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	52712	19.078	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	72638	33.214	ug/l #	100
77) Bromobenzene	12.52	156	50253	20.821	ug/l	80
78) n-propylbenzene	12.59	91	215706	20.165	ug/l	97
79) 2-Chlorotoluene	12.67	91	127786	20.080	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	163783	20.434	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	18722	18.384	ug/l	93
82) 4-Chlorotoluene	12.77	91	129142	20.232	ug/l	95
83) tert-Butylbenzene	12.99	119	141560	20.421	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	162370	20.476	ug/l	99
85) sec-Butylbenzene	13.17	105	184401	20.246	ug/l	99
86) p-Isopropyltoluene	13.28	119	170464	20.227	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	86509	20.635	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	84879	20.295	ug/l	98
89) n-Butylbenzene	13.61	91	141541	19.698	ug/l	98
90) Hexachloroethane	13.87	117	30018	19.038	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	85137	20.541	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11288	17.685	ug/l	86

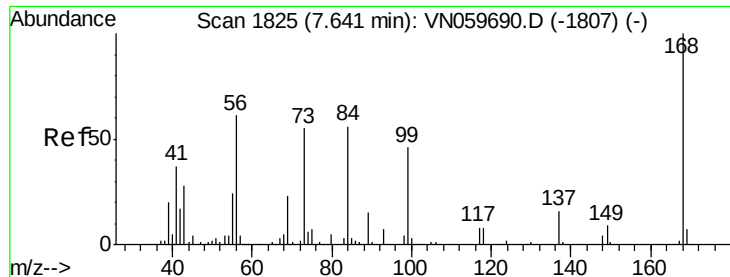
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47932	19.246	ug/l	97
94) Hexachlorobutadiene	15.01	225	27151	19.784	ug/l	98
95) Naphthalene	15.13	128	125861	17.768	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47431	19.566	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

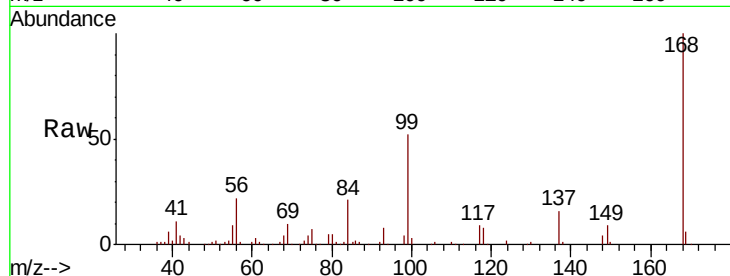
ClientSampled :

Tot Ion:168 Resp: 202382

Ion Ratio Lower Upper

168 100

99 52.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

20000

0

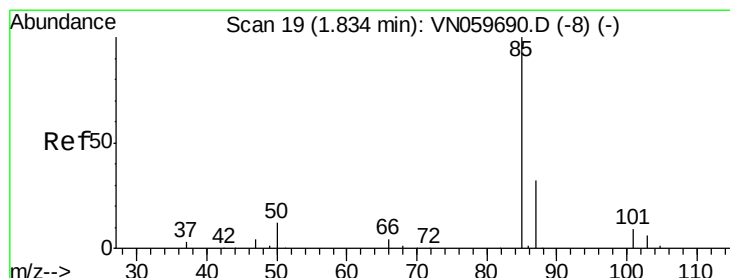
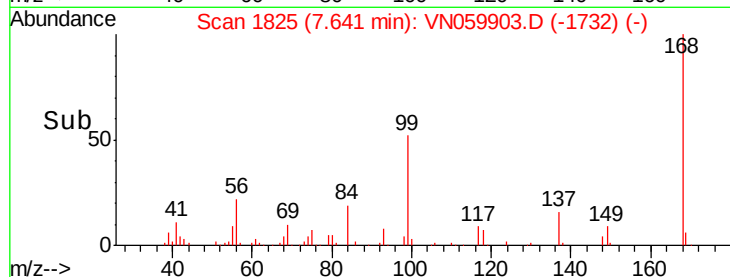
7.50

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.141 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059903.D

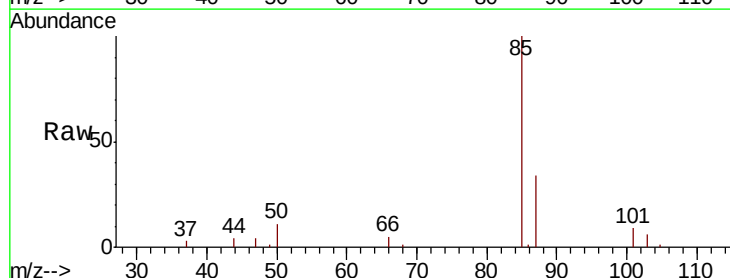
Acq: 29 Jan 2020 11:28

Tgt Ion: 85 Resp: 41720

Ion Ratio Lower Upper

85 100

87 33.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

20000

10000

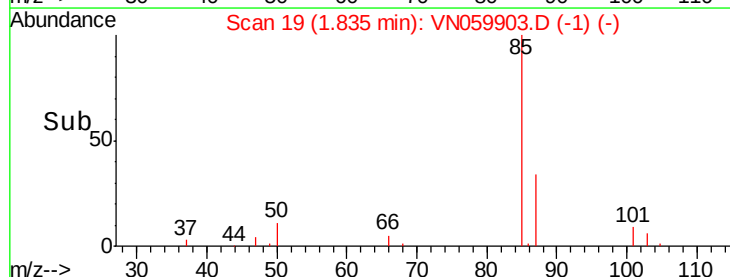
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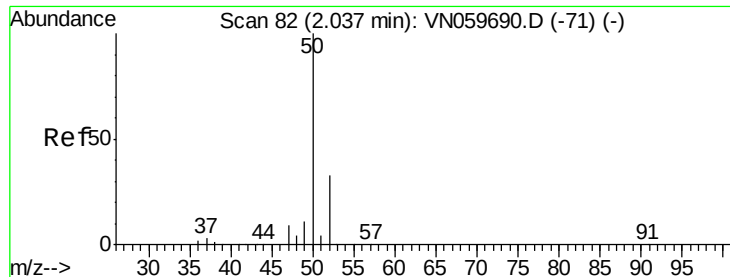
1.80

1.85

1.90

Time-->

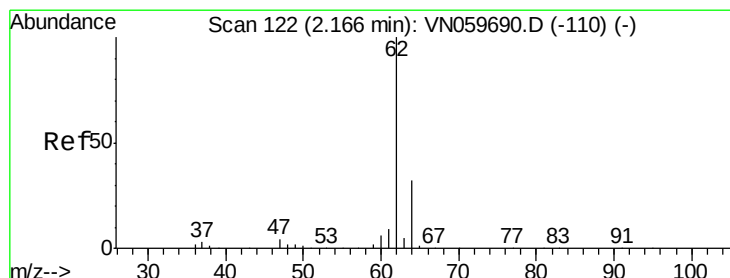
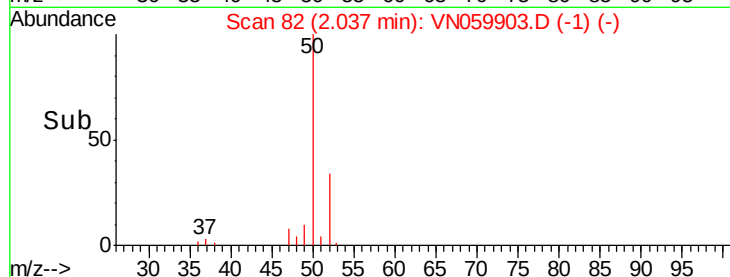
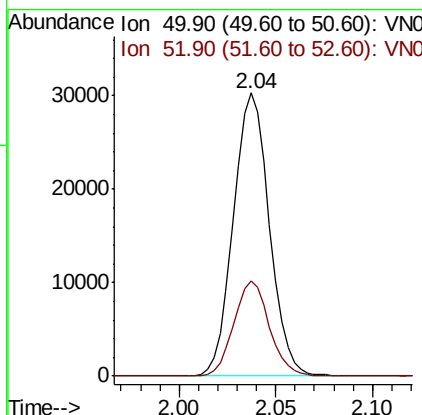
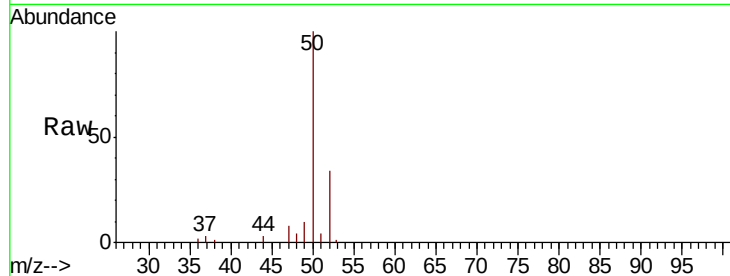




#3
Chloromethane
Concen: 16.869 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

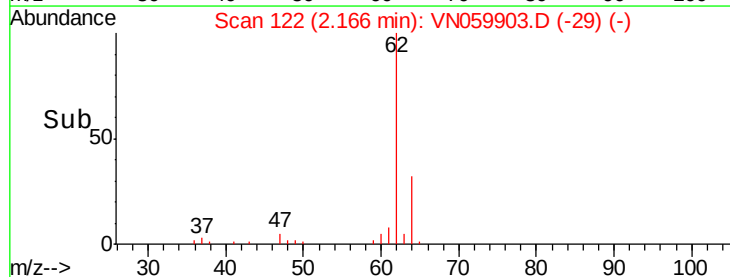
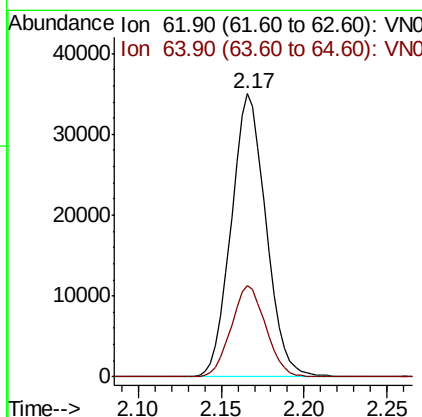
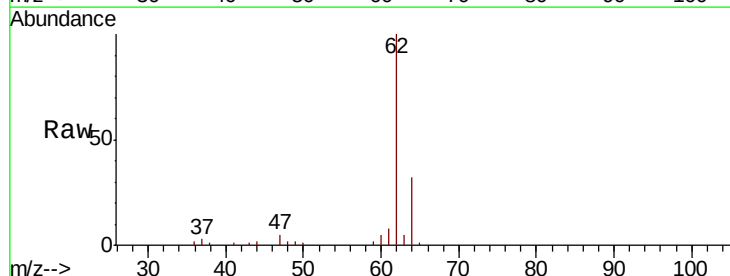
Instrument :
MSVOA_N
ClientSampled :

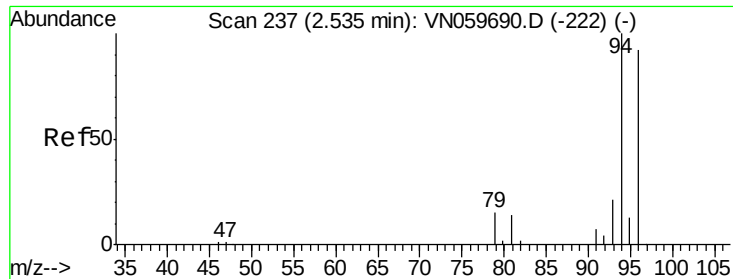
Tot Ion: 50 Resp: 39086
Ion Ratio Lower Upper
50 100
52 33.8 25.9 38.9



#4
Vinyl Chloride
Concen: 19.258 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion: 62 Resp: 51054
Ion Ratio Lower Upper
62 100
64 32.5 24.6 37.0

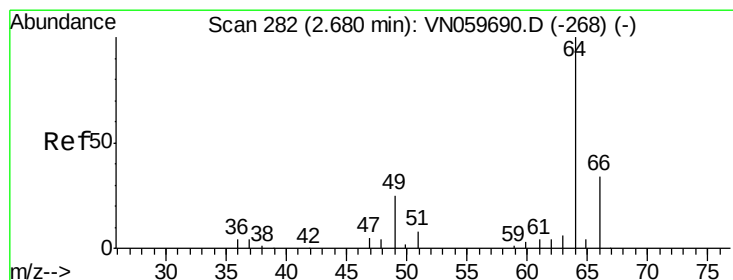
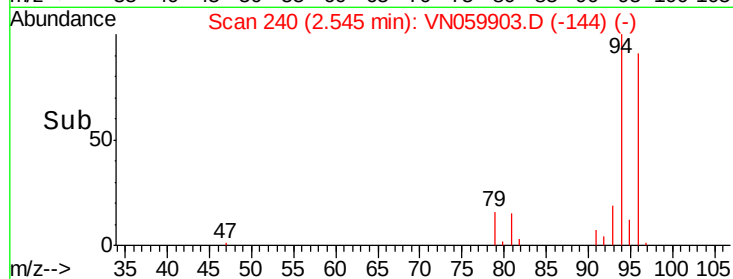
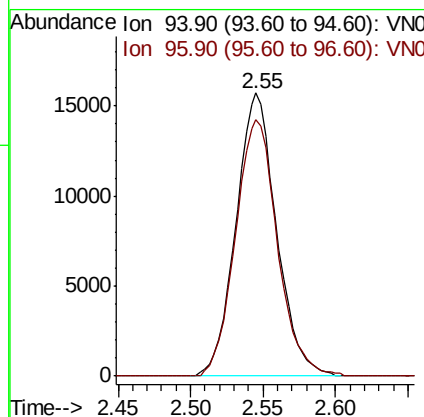
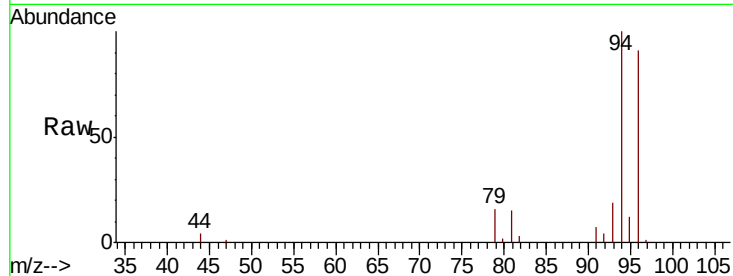




#5
Bromomethane
Concen: 18.794 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

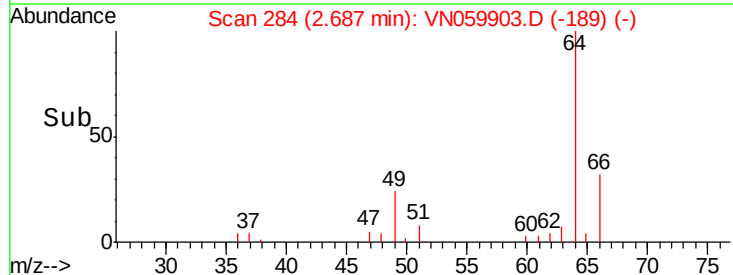
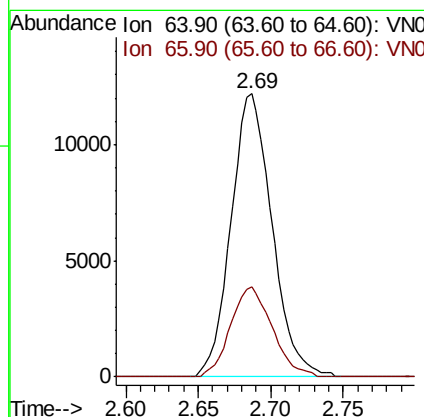
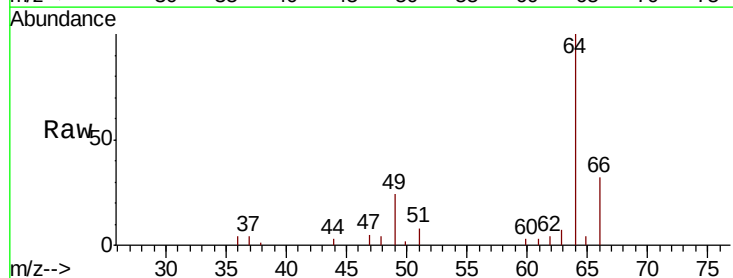
Instrument :
MSVOA_N
ClientSampleId :

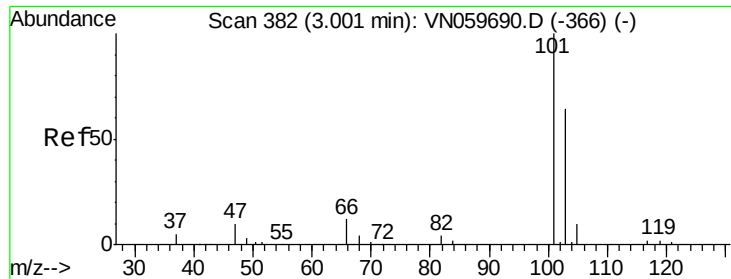
Tot Ion: 94 Resp: 30406
Ion Ratio Lower Upper
94 100
96 90.7 74.7 112.1



#6
Chloroethane
Concen: 19.107 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion: 64 Resp: 23965
Ion Ratio Lower Upper
64 100
66 31.6 25.1 37.7



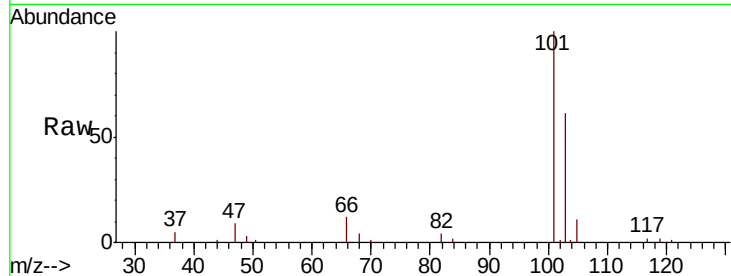


#7

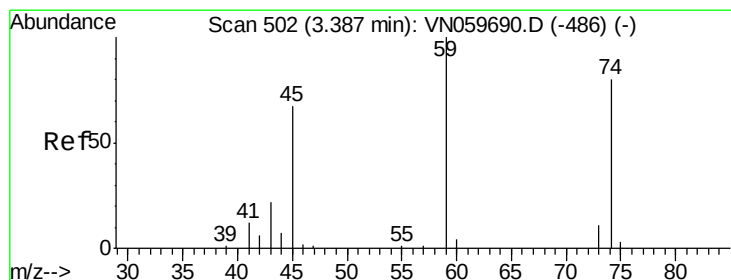
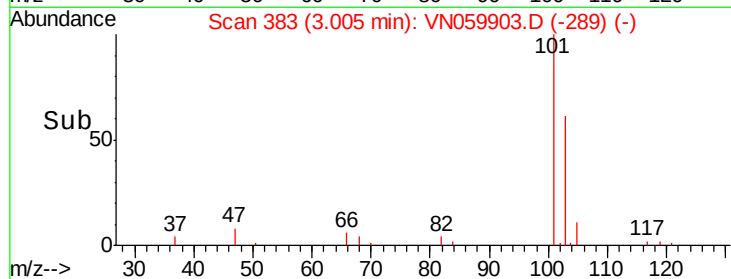
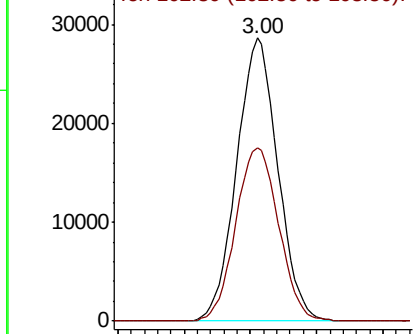
Trichlorofluoromethane
Concen: 19.386 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 61719
Ion Ratio Lower Upper
101 100
103 61.1 51.0 76.6



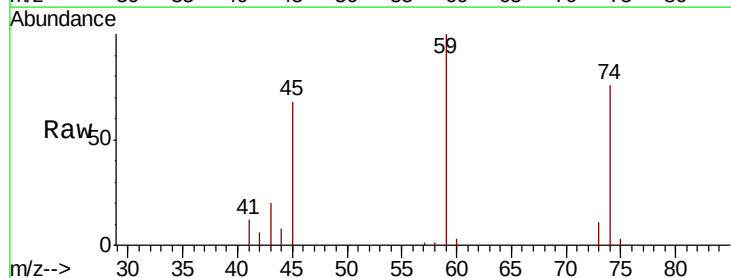
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



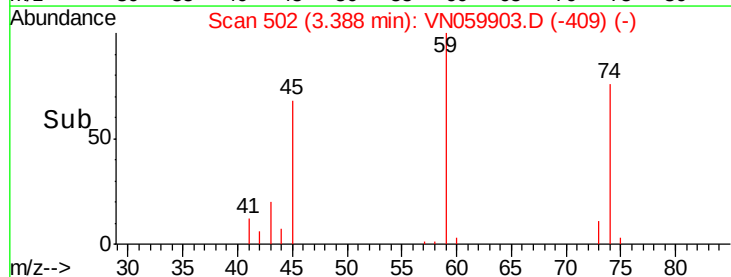
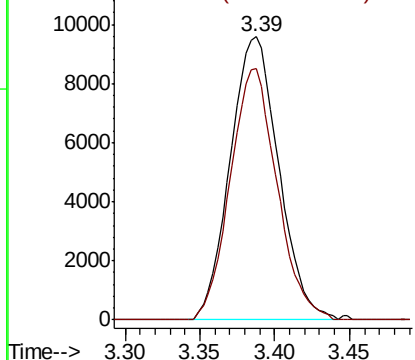
#8

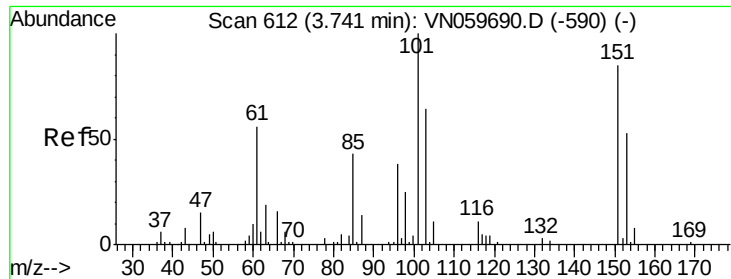
Diethyl Ether
Concen: 19.374 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion: 74 Resp: 21647
Ion Ratio Lower Upper
74 100
45 85.8 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.540 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

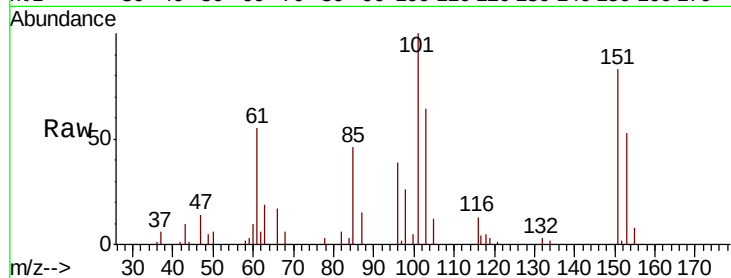
Tot Ion:101 Resp: 36396

Ion Ratio Lower Upper

101 100

85 43.5 36.6 54.8

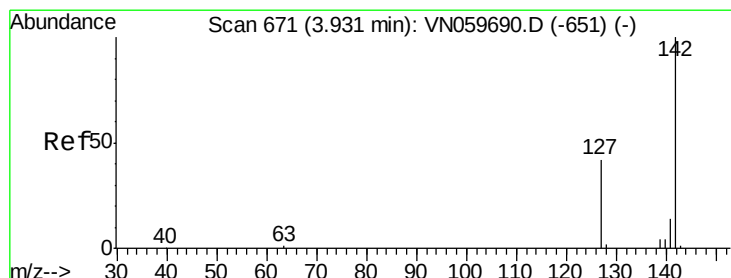
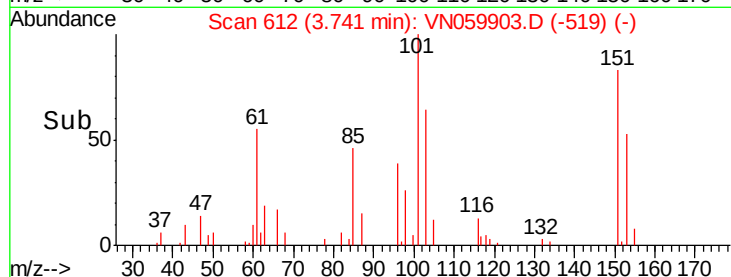
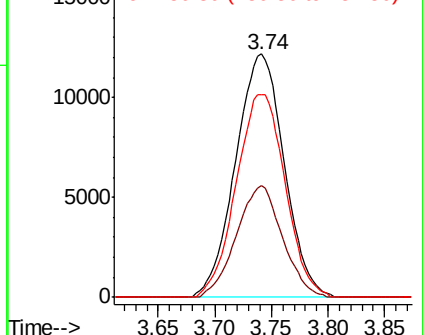
151 83.9 59.7 89.5



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: 18.266 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

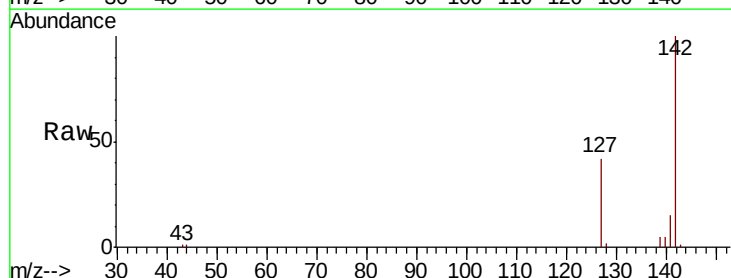
Tgt Ion:142 Resp: 52317

Ion Ratio Lower Upper

142 100

127 42.1 36.7 55.1

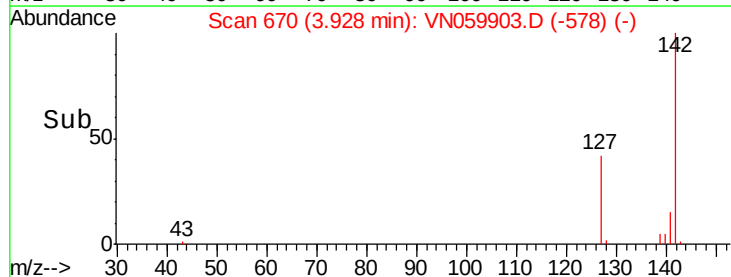
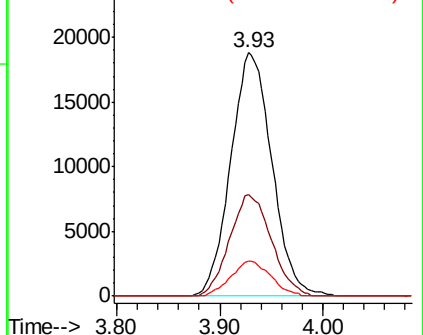
141 14.0 11.7 17.5

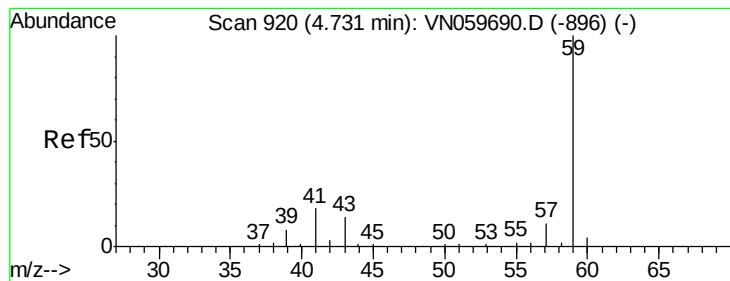


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 86.628 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

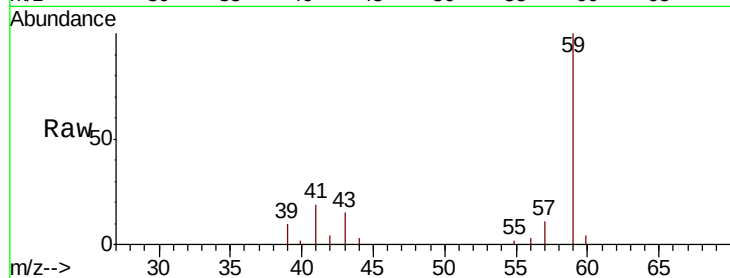
ClientSampled :

Tot Ion: 59 Resp: 32776

Ion Ratio Lower Upper

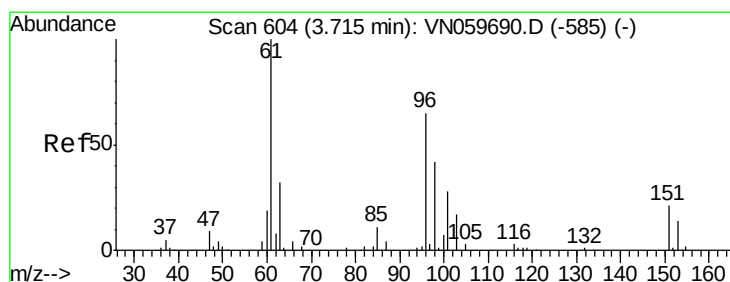
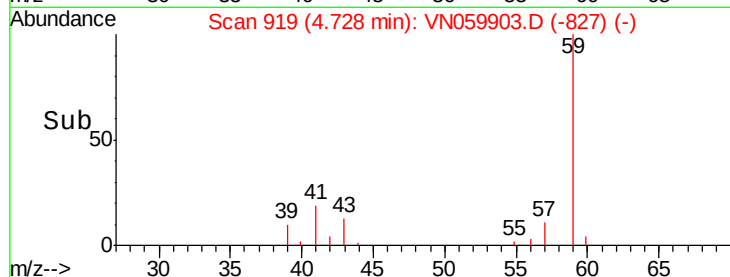
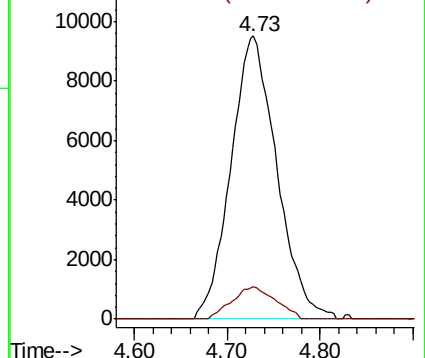
59 100

57 10.9 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 18.664 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

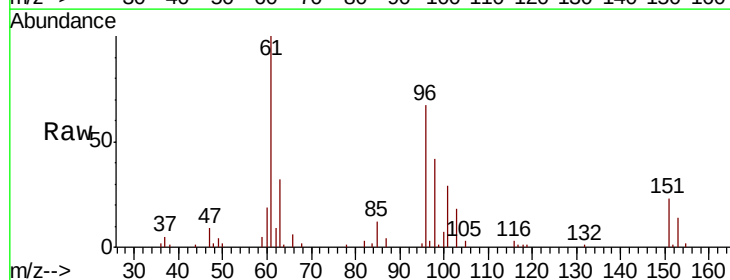
Tgt Ion: 96 Resp: 34557

Ion Ratio Lower Upper

96 100

61 149.7 137.5 206.3

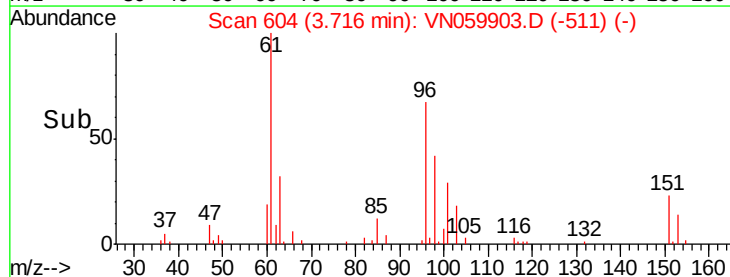
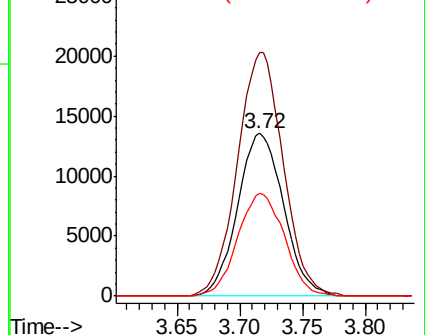
98 63.3 50.2 75.4

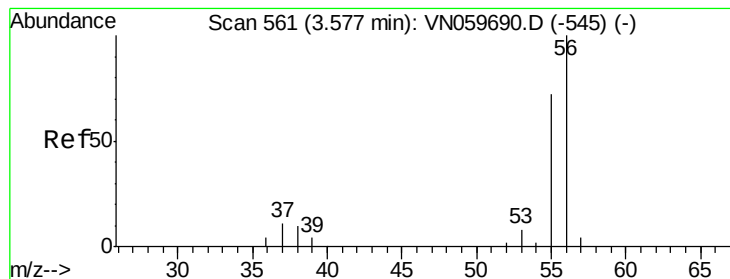


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 58.317 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

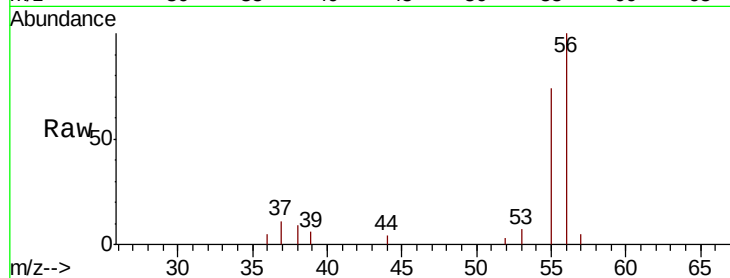
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 15619

Ion Ratio Lower Upper

56 100

55 70.9 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN059903.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN059903.D (-545) (-)

3.58

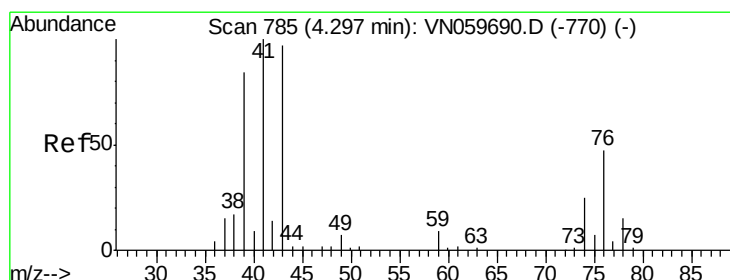
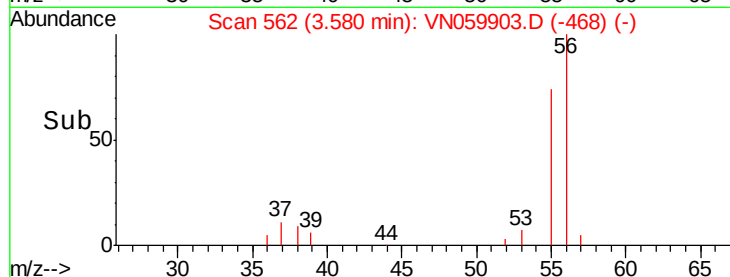
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 19.993 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

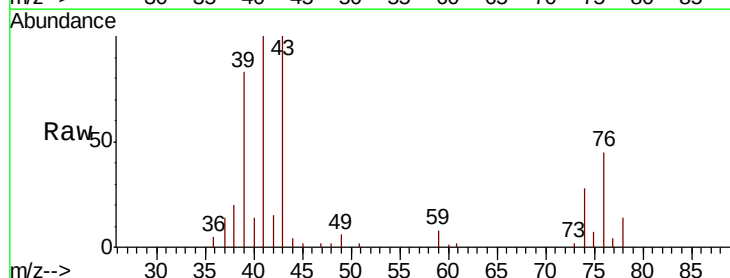
Tgt Ion: 41 Resp: 49897

Ion Ratio Lower Upper

41 100

39 78.0 57.8 86.8

76 41.1 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN059903.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN059903.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN059903.D (-692) (-)

4.29

20000

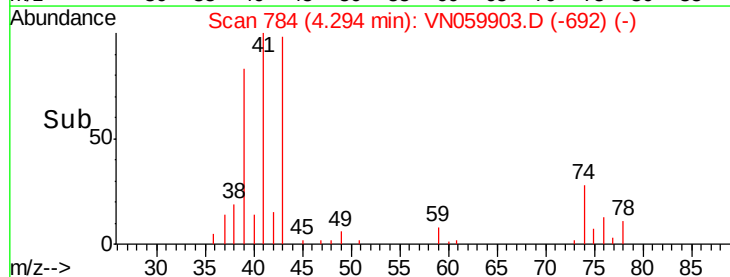
15000

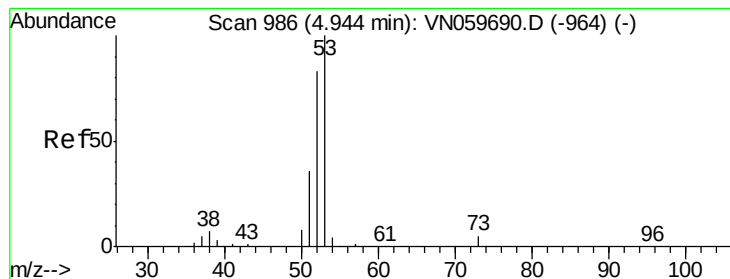
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 92.505 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

ClientSampled :

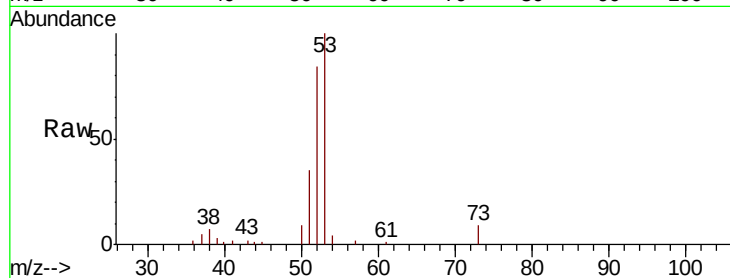
Tot Ion: 53 Resp: 79837

Ion Ratio Lower Upper

53 100

52 83.8 66.3 99.5

51 36.5 29.7 44.5

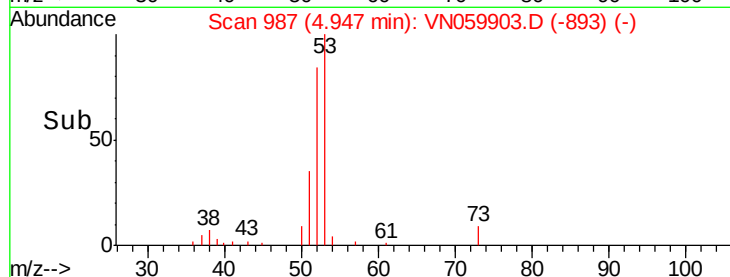


Abundance Ion 53.00 (52.70 to 53.70): VN059903.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN059903.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN059903.D (-964) (-)

Time-->



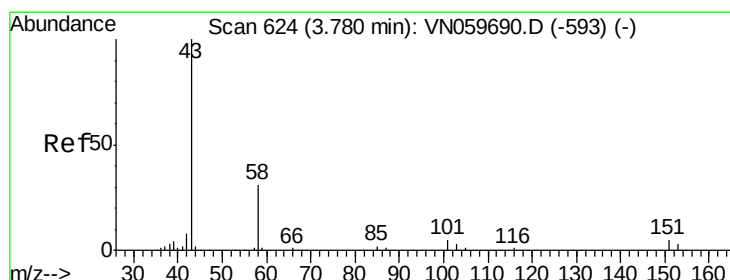
Abundance

Ion 53.00 (52.70 to 53.70): VN059903.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN059903.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN059903.D (-893) (-)

Time-->



#16

Acetone

Concen: 117.018 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN059903.D

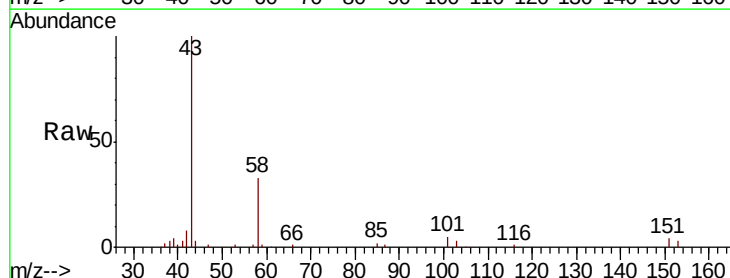
Acq: 29 Jan 2020 11:28

Tgt Ion: 43 Resp: 93783

Ion Ratio Lower Upper

43 100

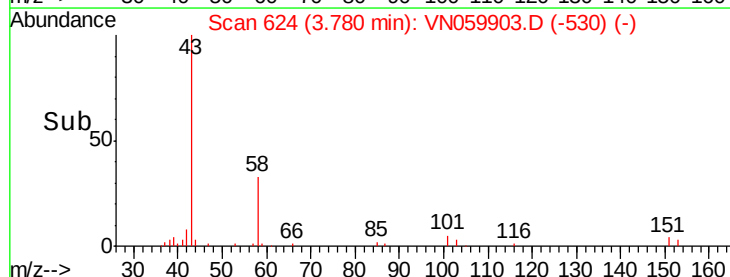
58 32.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059903.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059903.D (-593) (-)

Time-->

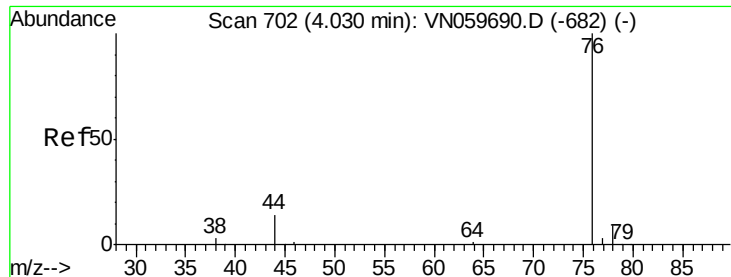


Abundance

Ion 43.00 (42.70 to 43.70): VN059903.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059903.D (-530) (-)

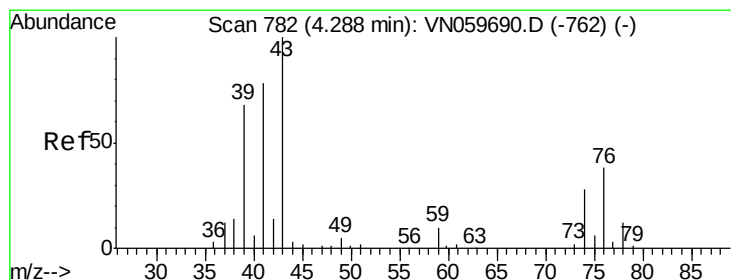
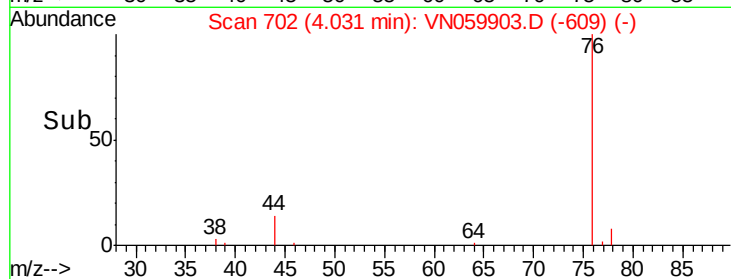
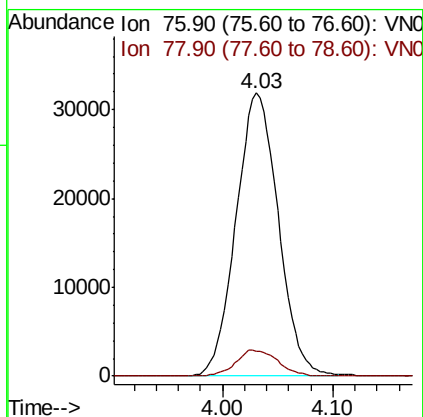
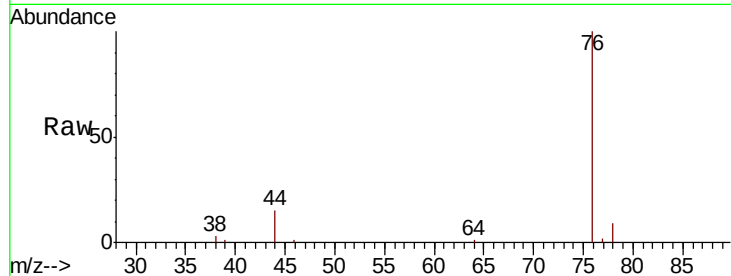
Time-->



#17
Carbon Disulfide
Concen: 16.065 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

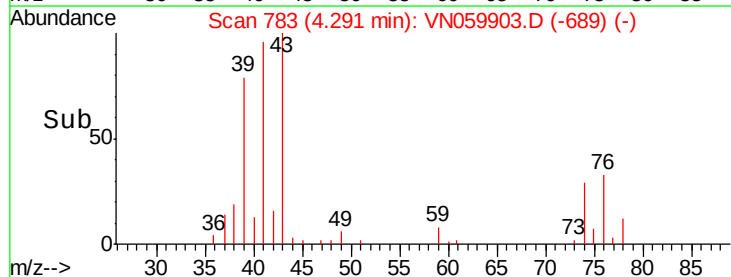
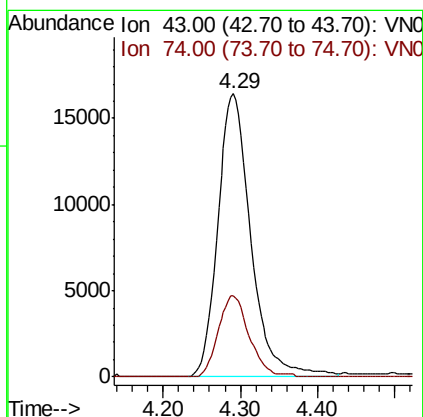
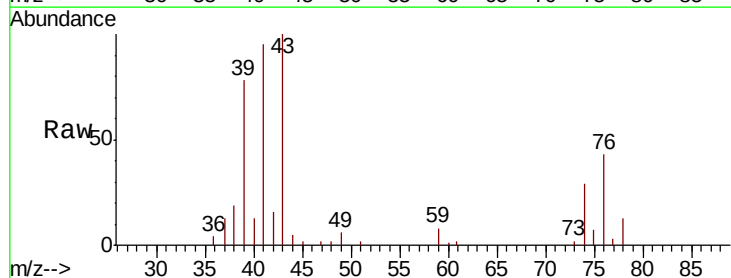
Instrument :
MSVOA_N
ClientSampled :

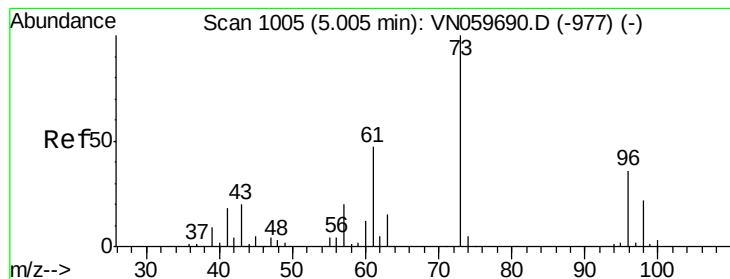
Tot Ion: 76 Resp: 84734
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 18.629 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion: 43 Resp: 48906
Ion Ratio Lower Upper
43 100
74 26.4 17.5 26.3#



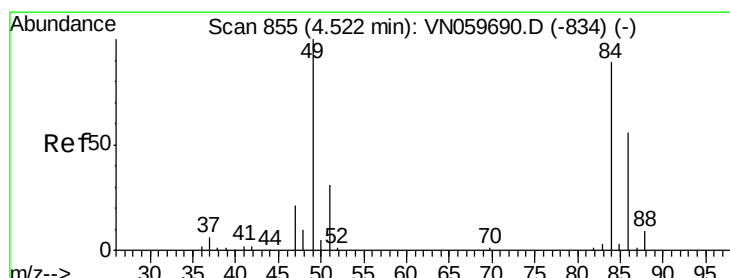
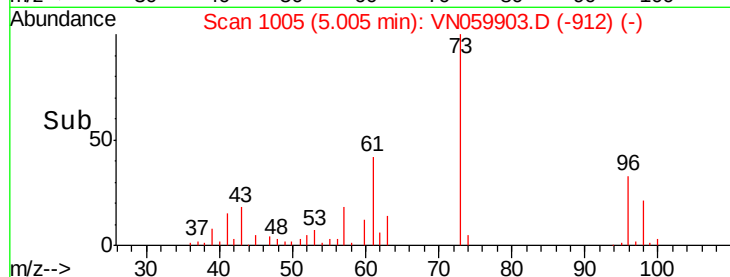
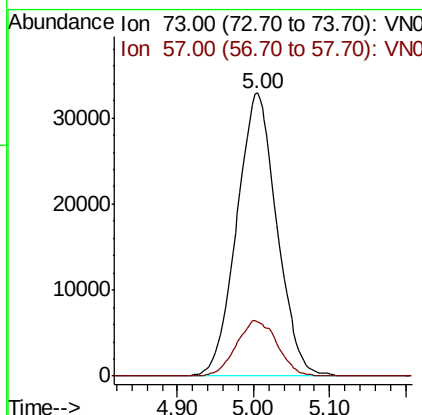
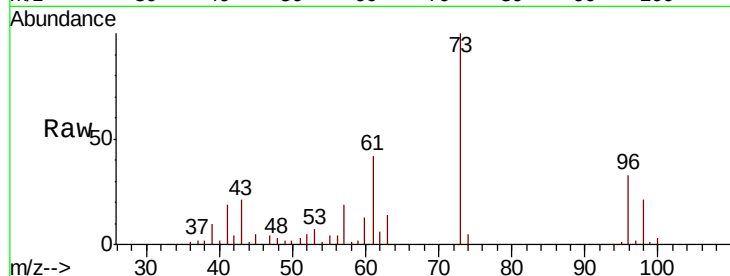


#19

Methvl tert-butyl Ether
 Concen: 19.939 ug/l
 RT: 5.00 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: VN059903.D
 Acq: 29 Jan 2020 11:28

Instrument :
 MSVOA_N
 ClientSampleId :

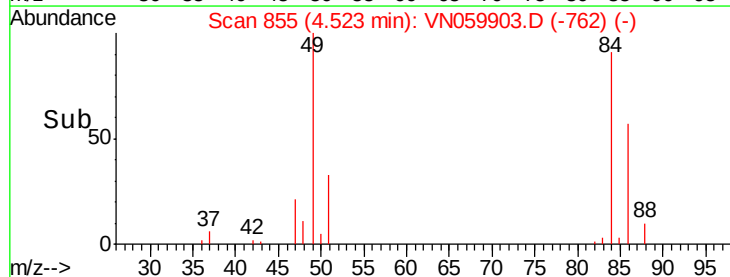
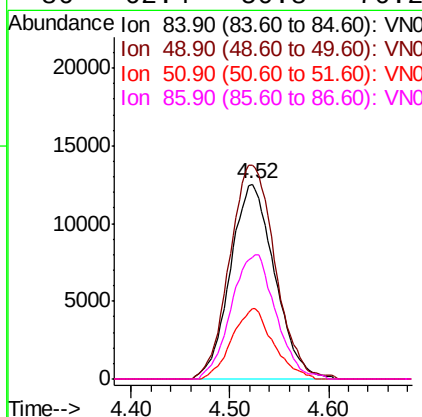
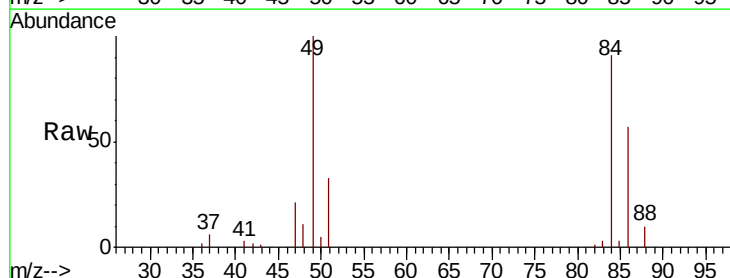
Tot Ion: 73 Resp: 120373
 Ion Ratio Lower Upper
 73 100
 57 19.4 18.6 27.8

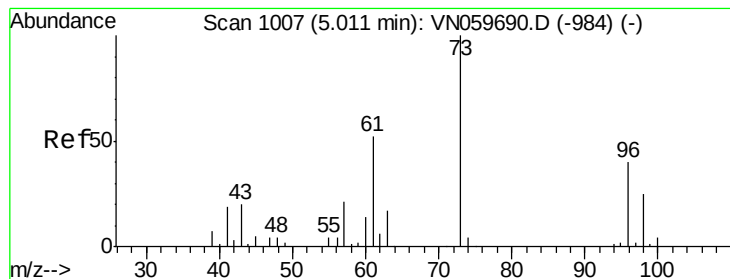


#20

Methylene Chloride
 Concen: 18.470 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN059903.D
 Acq: 29 Jan 2020 11:28

Tgt Ion: 84 Resp: 39215
 Ion Ratio Lower Upper
 84 100
 49 109.8 106.6 160.0
 51 36.1 31.9 47.9
 86 62.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 18.711 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

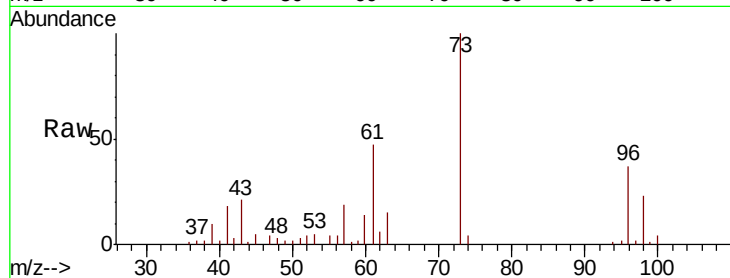
Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 36827

Ion	Ratio	Lower	Upper
96	100		
61	125.6	120.4	180.6
98	61.7	50.6	75.8

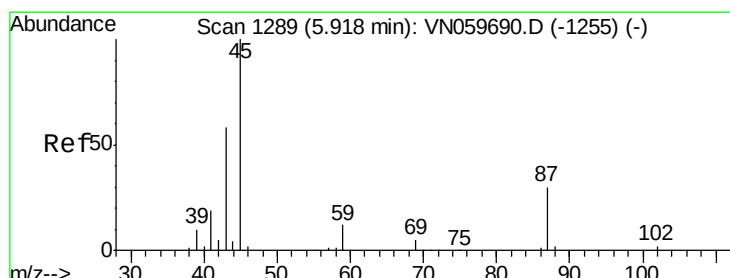
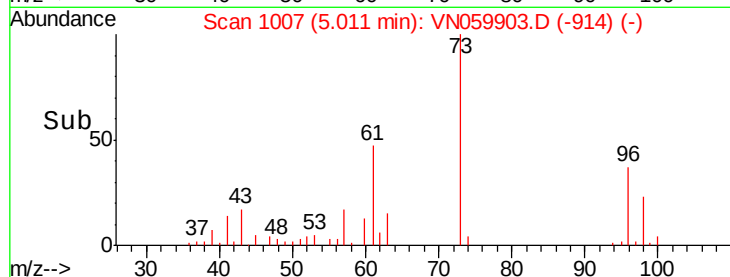
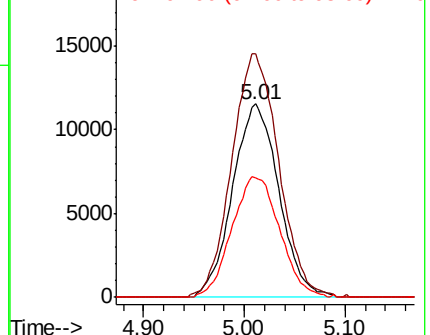


Abundance

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: 18.981 ug/l

RT: 5.91 min Scan# 1288

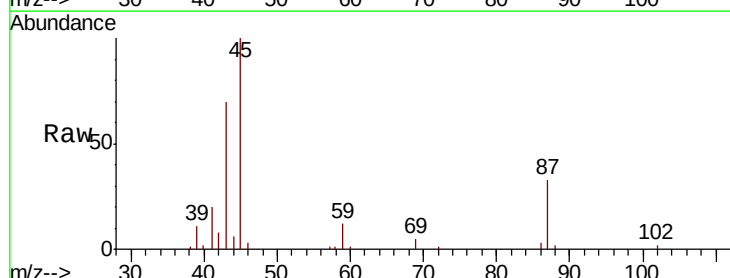
Delta R.T. -0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Tgt Ion: 45 Resp: 107350

Ion	Ratio	Lower	Upper
45	100		
43	67.9	50.8	76.2
87	33.3	21.0	31.6
59	11.6	9.1	13.7



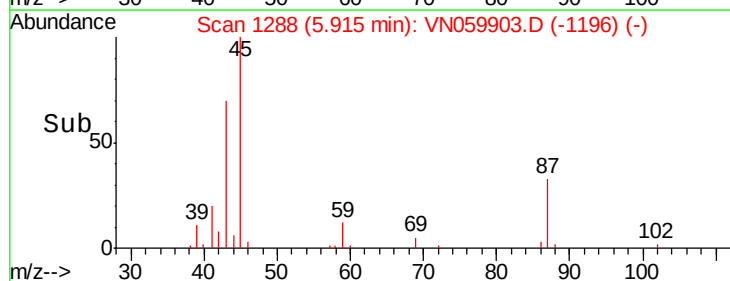
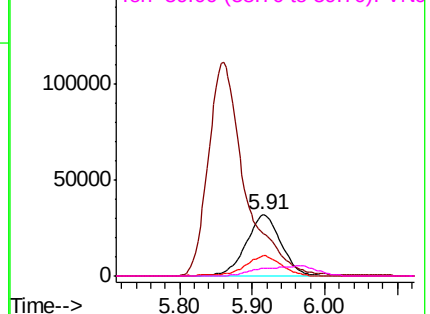
Abundance

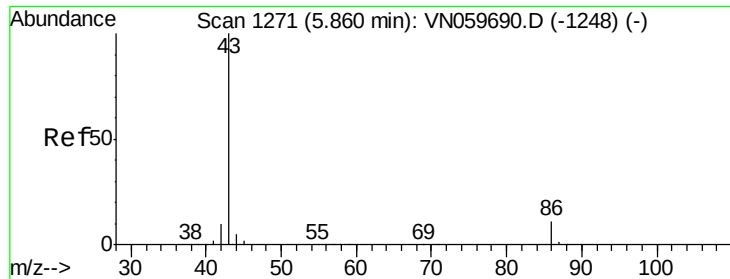
Ion 45.00 (44.70 to 45.70): VN0

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: 89.426 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

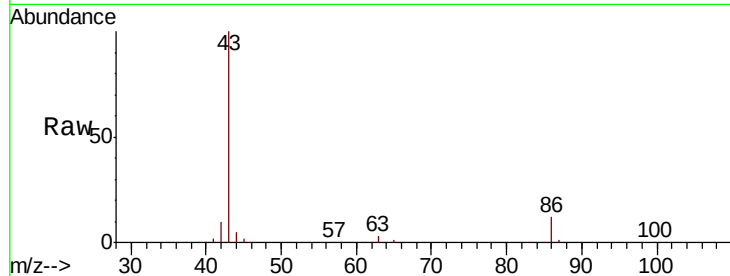
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 391589

Ion Ratio Lower Upper

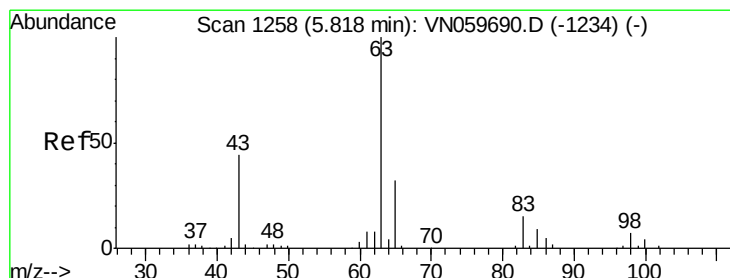
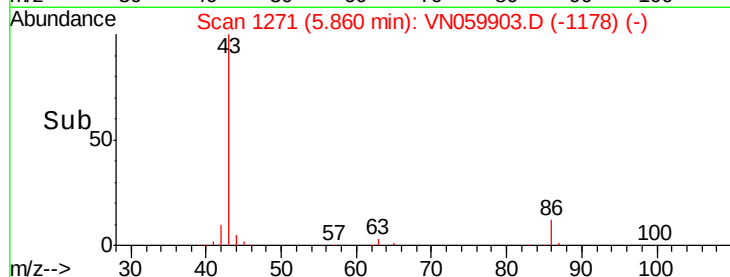
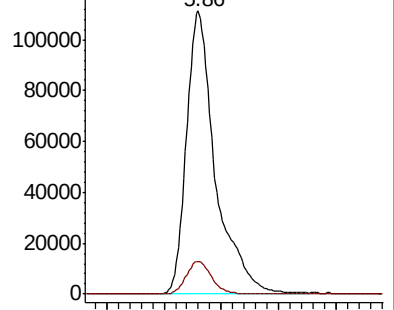
43 100

86 11.6 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059903.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN059903.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 19.477 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

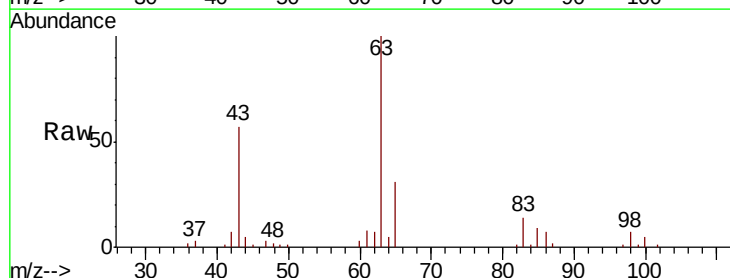
Tgt Ion: 63 Resp: 67307

Ion Ratio Lower Upper

63 100

98 7.2 2.9 8.7

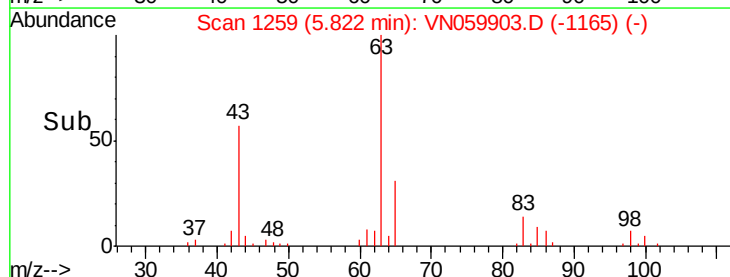
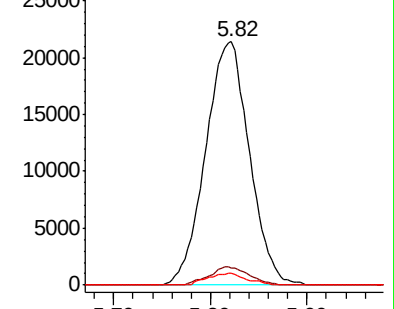
100 4.8 2.0 6.0

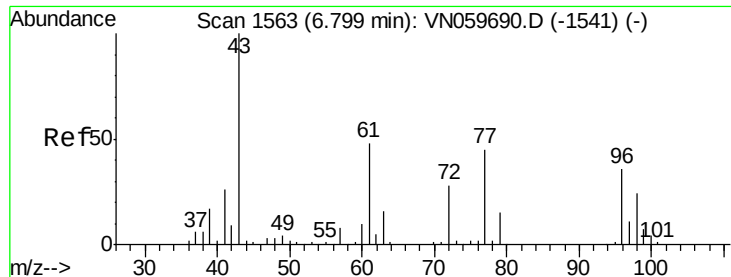


Abundance Ion 62.90 (62.60 to 63.60): VN059903.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059903.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059903.D (-1165) (-)





#25

2-Butanone

Concen: 90.231 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

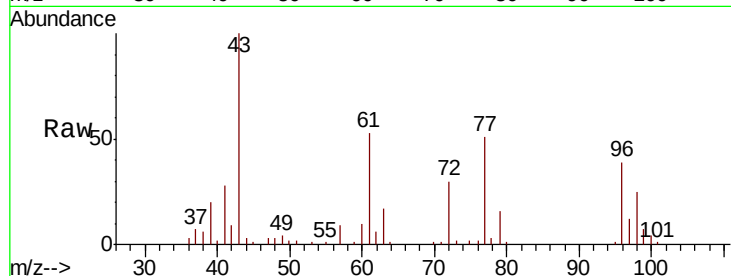
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 114841

Ion Ratio Lower Upper

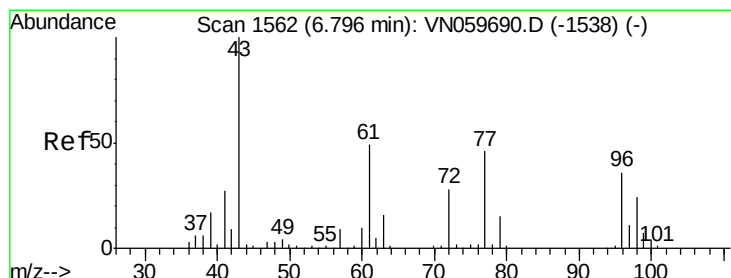
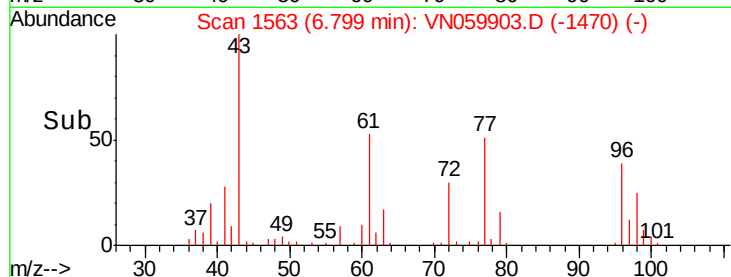
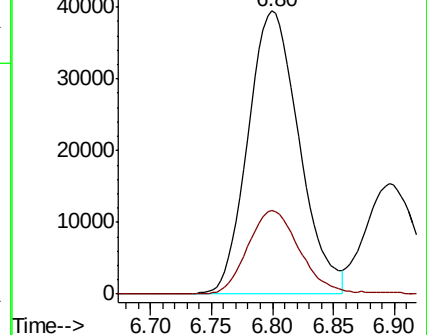
43 100

72 29.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN059903.D (-1470) (-)

Ion 72.00 (71.70 to 72.70): VN059903.D (-1470) (-)



#26

2,2-Dichloropropane

Concen: 19.290 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059903.D

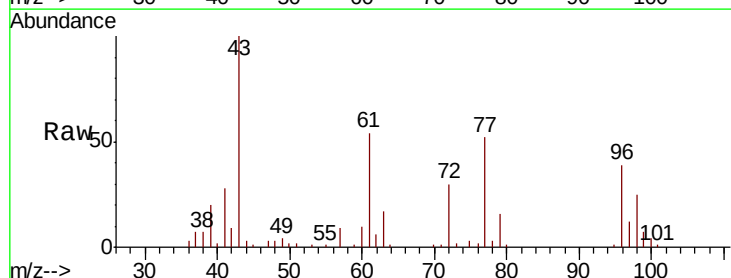
Acq: 29 Jan 2020 11:28

Tgt Ion: 77 Resp: 64087

Ion Ratio Lower Upper

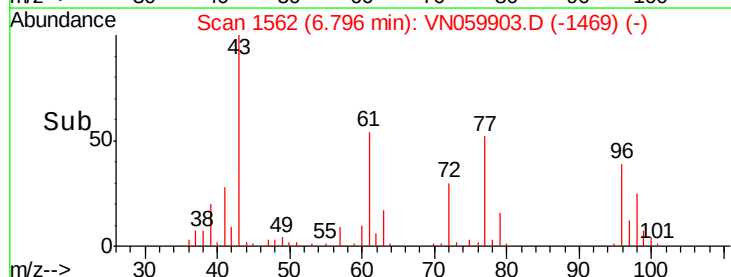
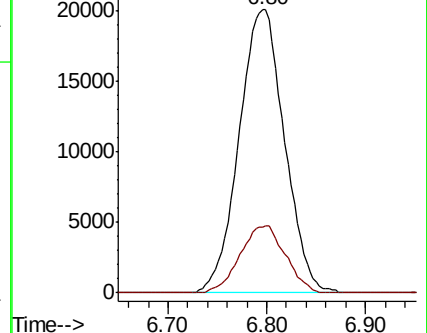
77 100

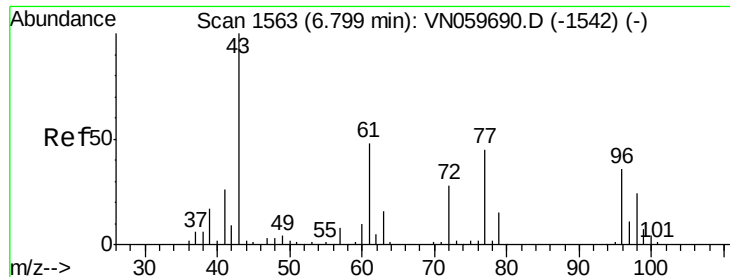
97 23.6 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN059903.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN059903.D (-1469) (-)





#27

cis-1,2-Dichloroethene

Concen: 19.818 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :
MSVOA_N
ClientSampled :

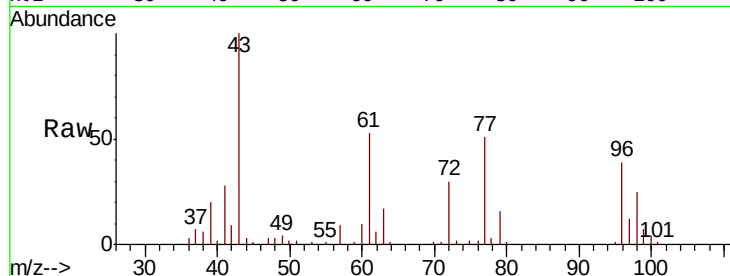
Tot Ion: 96 Resp: 44863

Ion Ratio Lower Upper

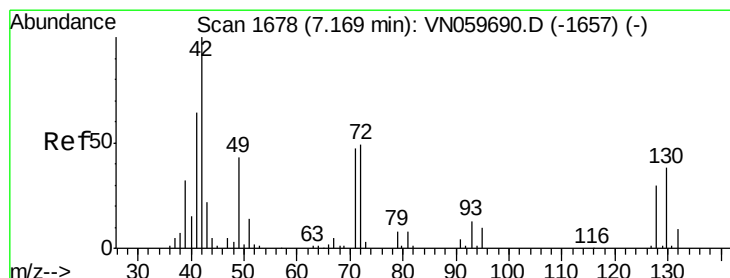
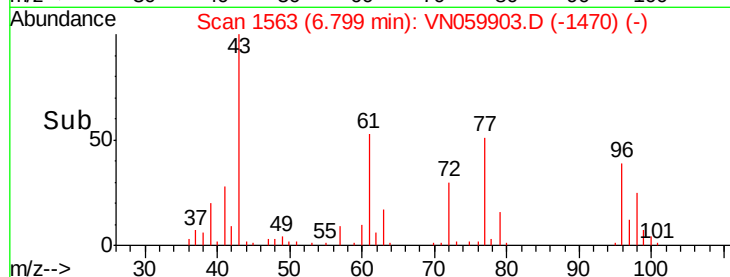
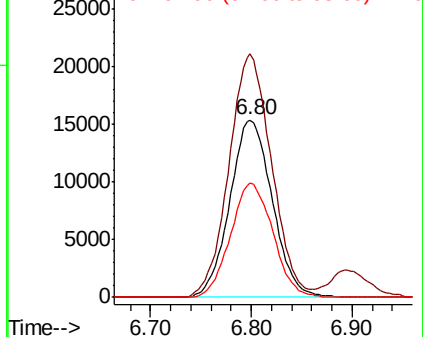
96 100

61 137.4 0.0 317.6

98 64.1 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: 17.264 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

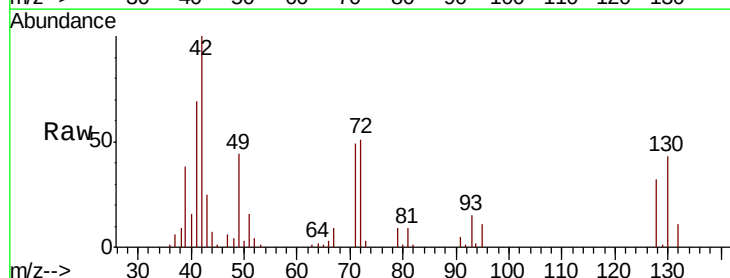
Tgt Ion: 49 Resp: 23845

Ion Ratio Lower Upper

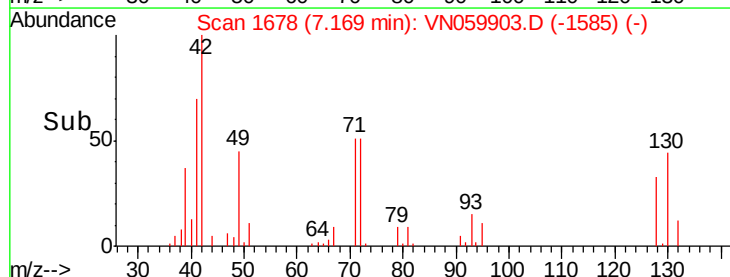
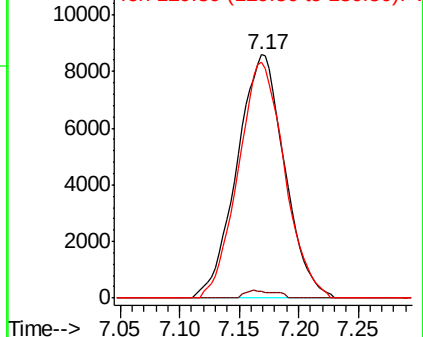
49 100

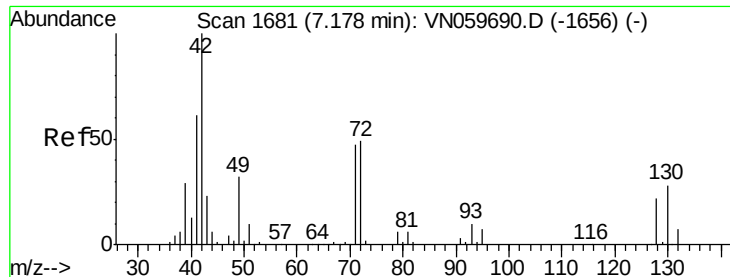
129 2.0 0.0 3.4

130 94.2 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

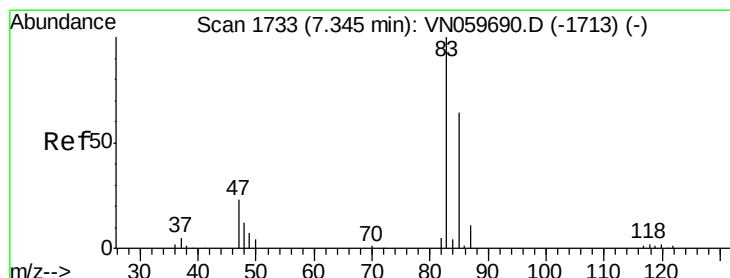
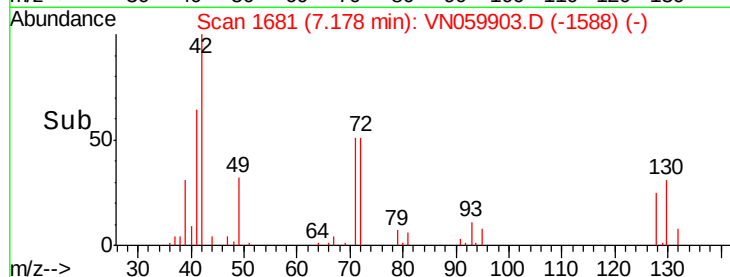
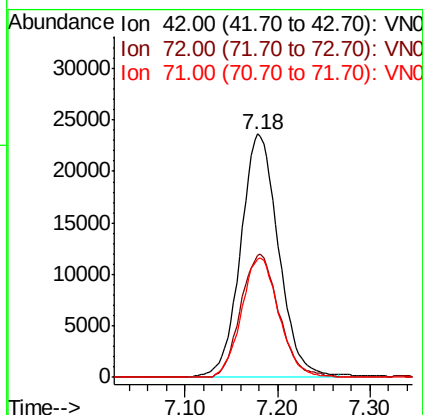
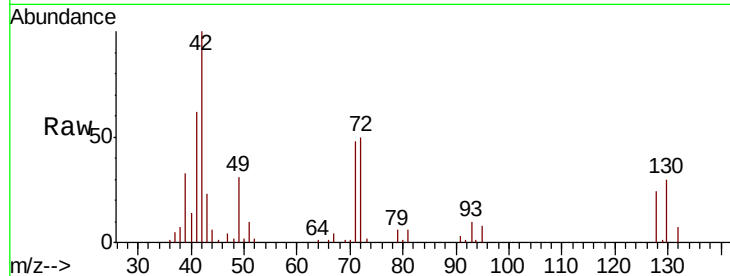




#29
Tetrahydrofuran
Concen: 85.275 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

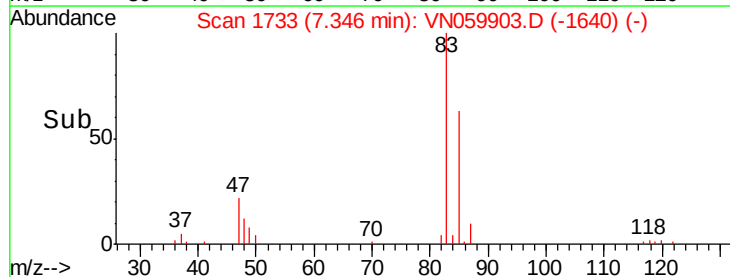
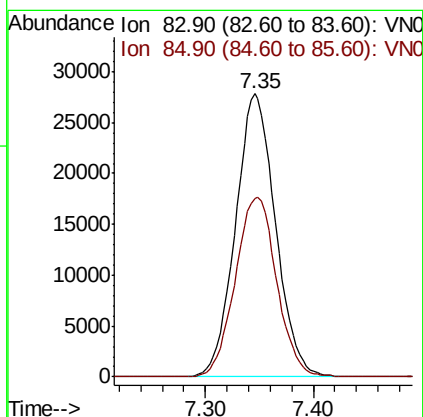
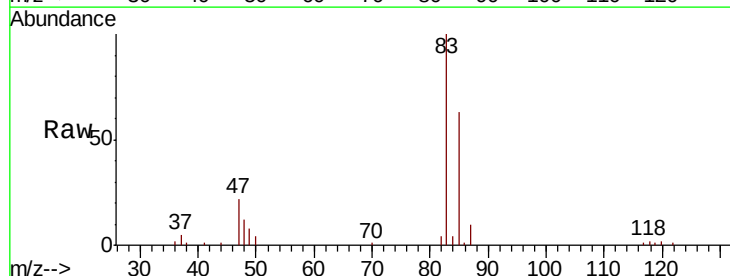
Instrument :
MSVOA_N
ClientSampled :

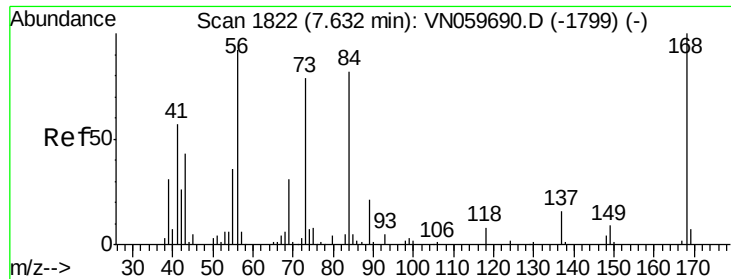
Tot Ion: 42 Resp: 67152
Ion Ratio Lower Upper
42 100
72 50.8 33.1 49.7#
71 48.5 31.4 47.0#



#30
Chloroform
Concen: 20.039 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion: 83 Resp: 71751
Ion Ratio Lower Upper
83 100
85 63.1 52.4 78.6

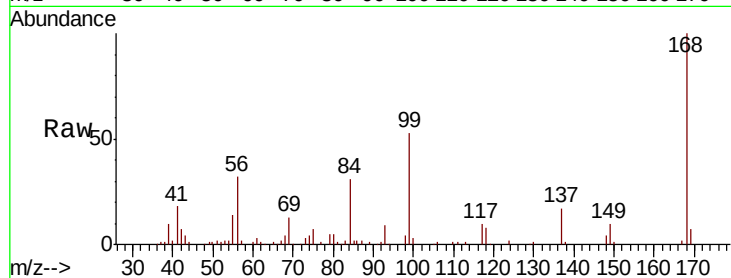




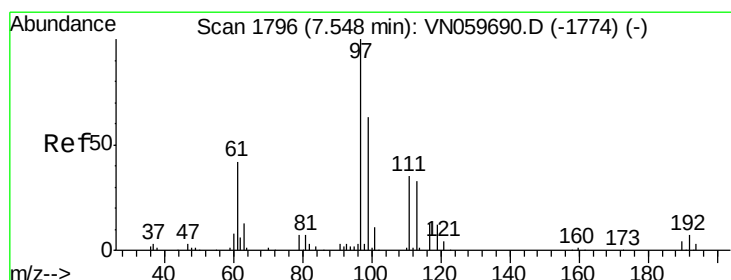
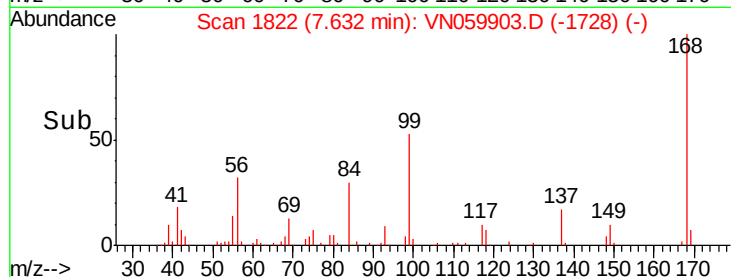
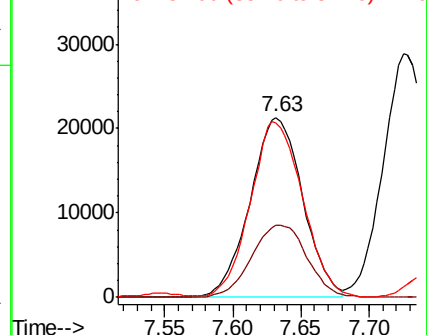
#31
Cyclohexane
Concen: 17.172 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 57104
Ion Ratio Lower Upper
56 100
69 39.8 26.5 39.7#
84 95.7 65.3 97.9

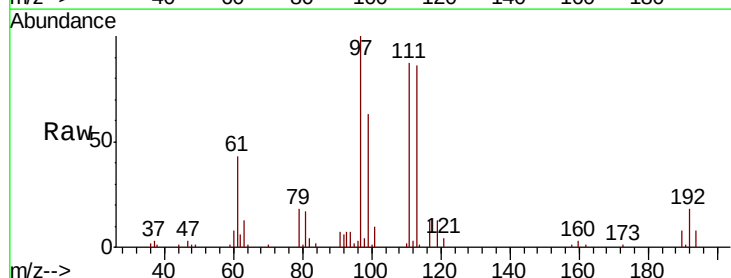


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

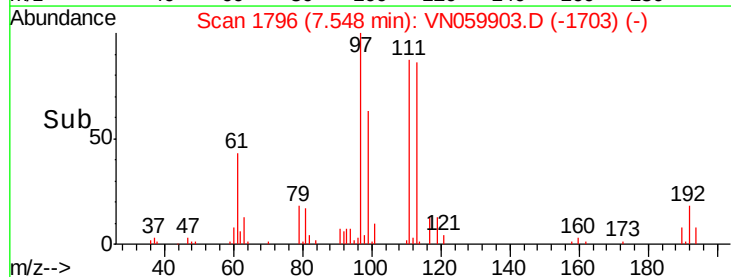
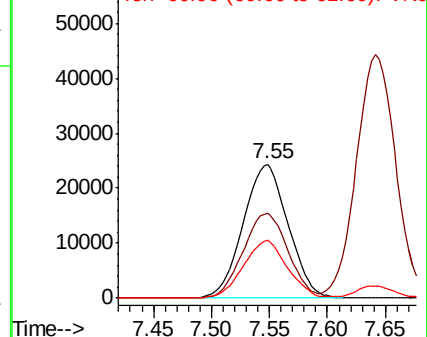


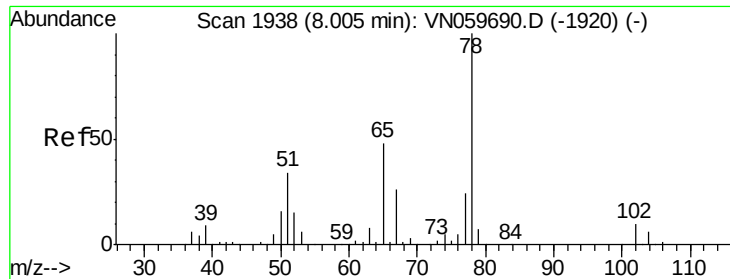
#32
1,1,1-Trichloroethane
Concen: 19.745 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion: 97 Resp: 65371
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.4
61 42.4 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

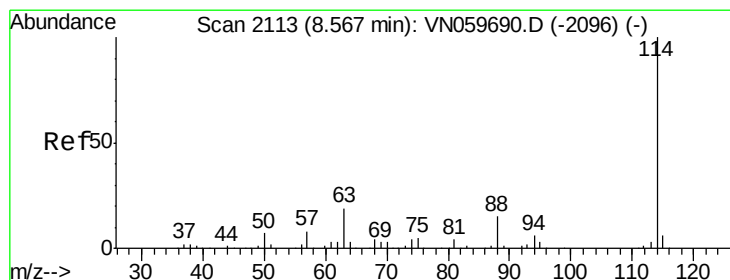
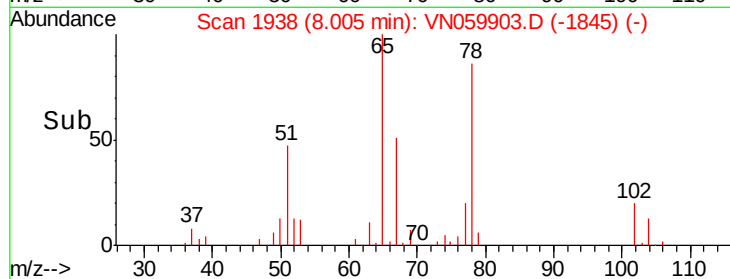
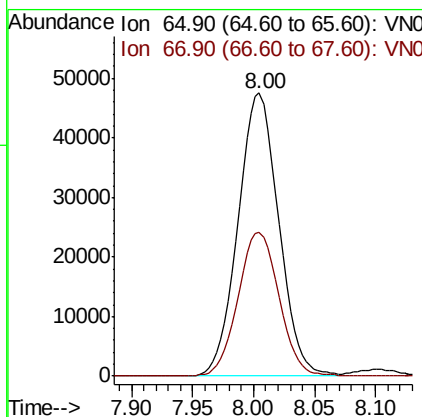
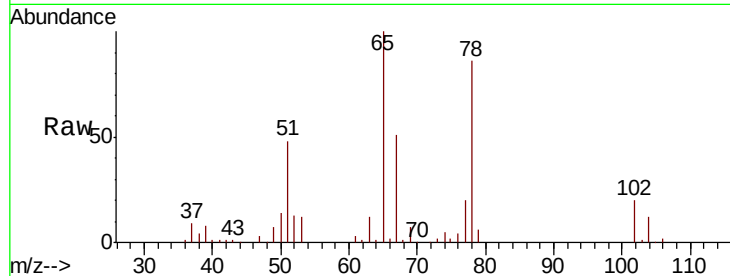




#33
 1,2-Dichloroethane-d4
 Concen: 48.779 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059903.D
 Acq: 29 Jan 2020 11:28

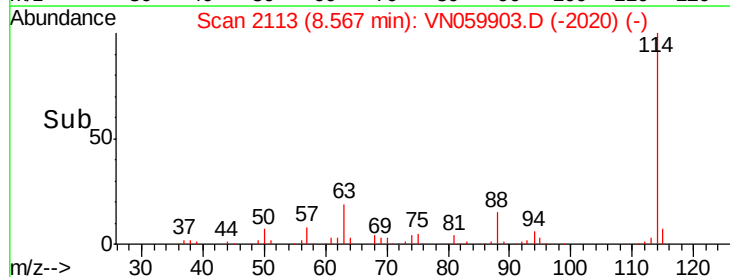
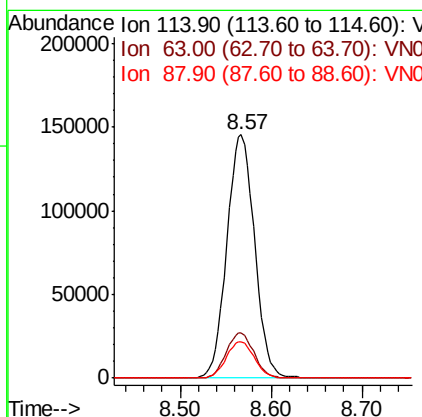
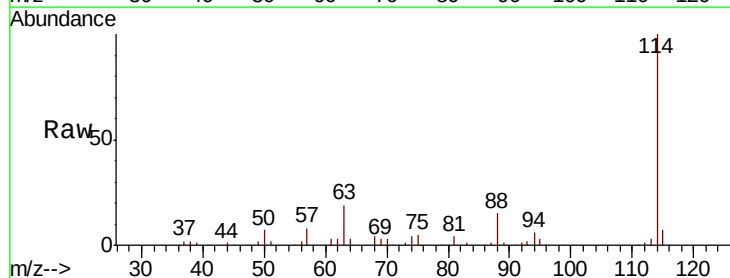
Instrument :
 MSVOA_N
 ClientSampleId :

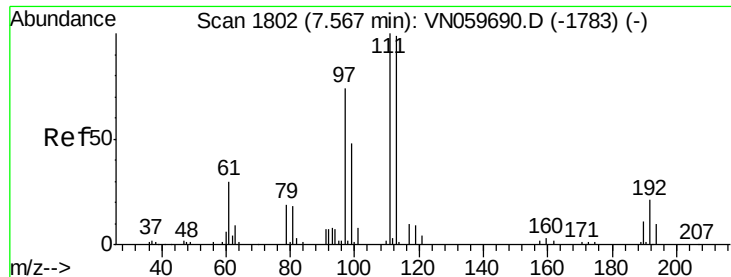
Tot Ion: 65 Resp: 109631
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059903.D
 Acq: 29 Jan 2020 11:28

Tgt Ion: 114 Resp: 307979
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 43.6
 88 14.8 0.0 31.4

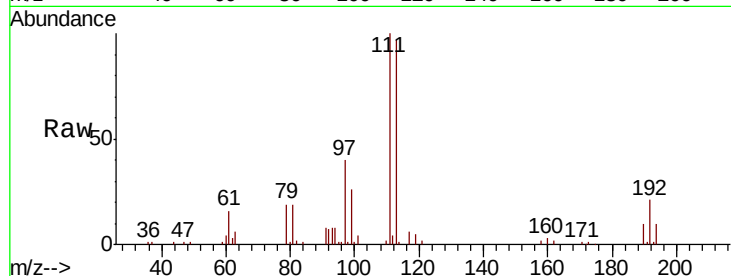




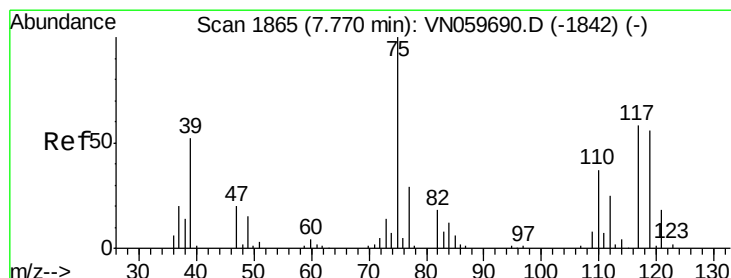
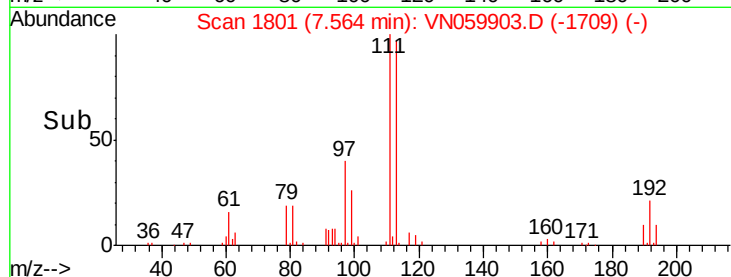
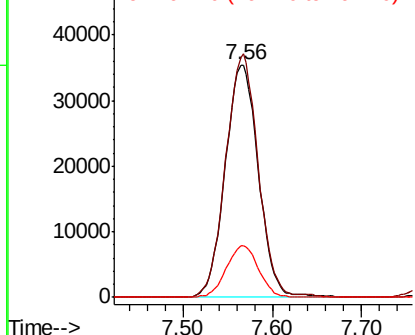
#35
 Dibromofluoromethane
 Concen: 49.743 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059903.D
 Acq: 29 Jan 2020 11:28

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 91359
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.5 125.3
 192 21.6 15.4 23.2

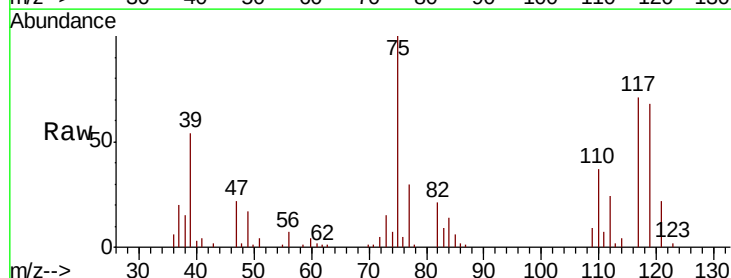


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

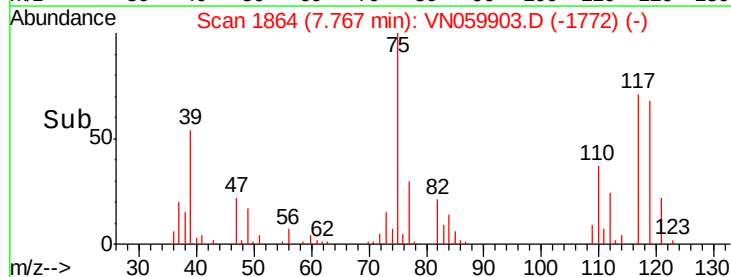
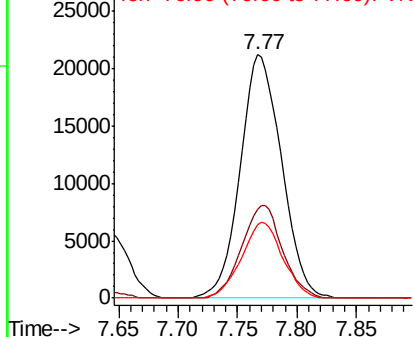


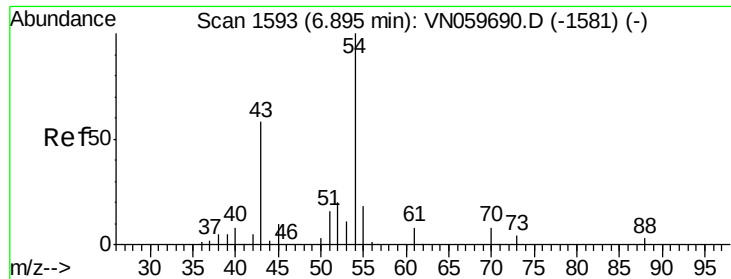
#36
 1,1-Dichloropropene
 Concen: 19.031 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059903.D
 Acq: 29 Jan 2020 11:28

Tgt Ion: 75 Resp: 51041
 Ion Ratio Lower Upper
 75 100
 110 37.5 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

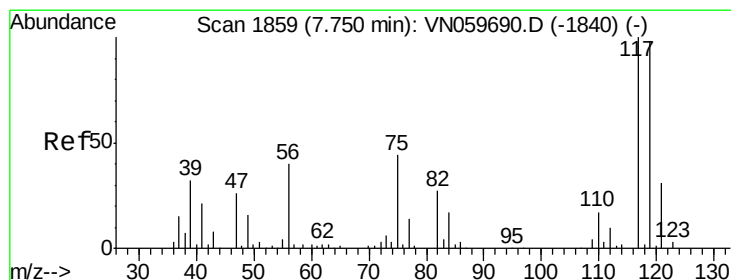
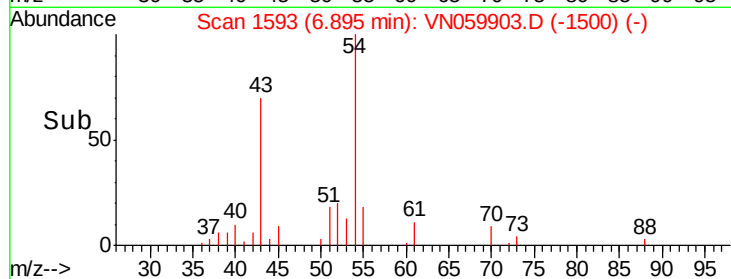
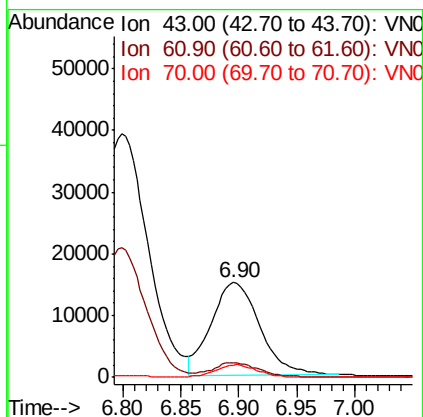
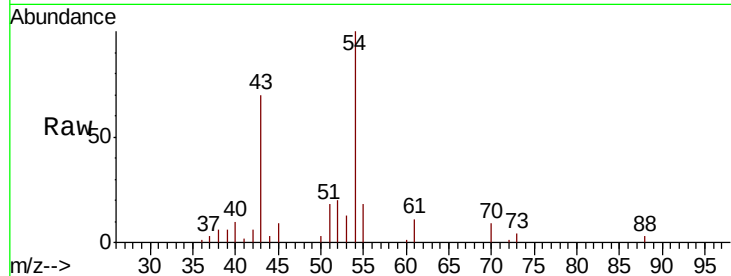




#37
Ethyl Acetate
Concen: 17.702 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

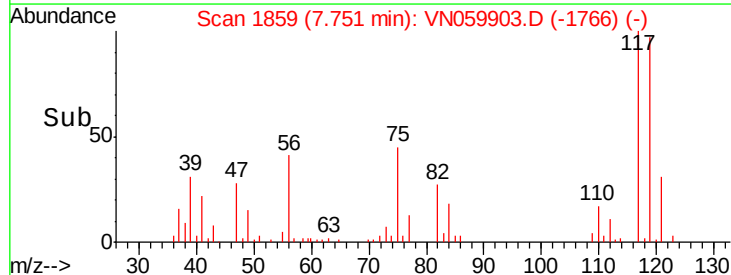
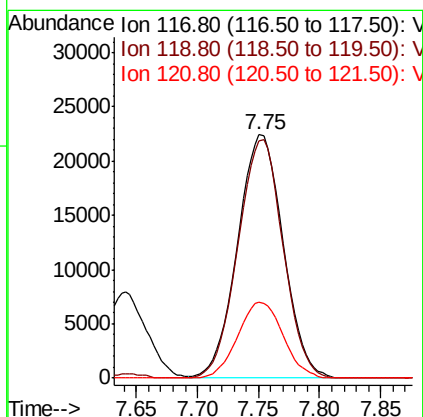
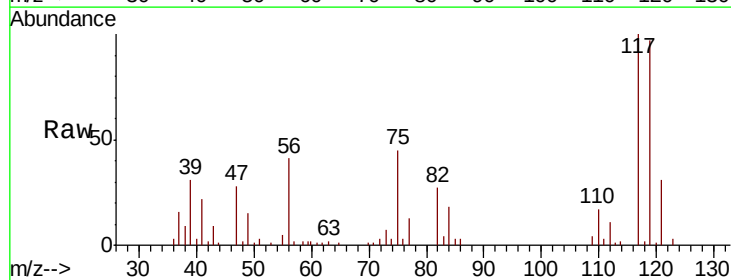
Instrument :
MSVOA_N
ClientSampled :

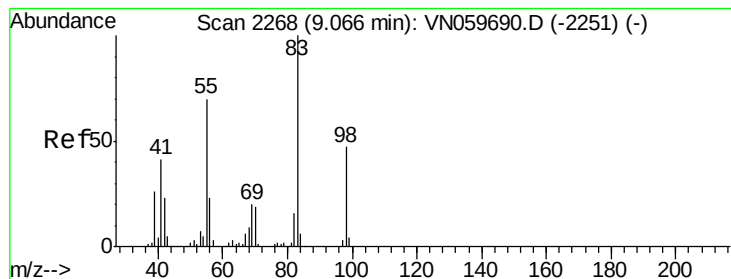
Tot Ion: 43 Resp: 44528
Ion Ratio Lower Upper
43 100
61 14.6 10.9 16.3
70 11.4 7.7 11.5



#38
Carbon Tetrachloride
Concen: 19.926 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion: 117 Resp: 58133
Ion Ratio Lower Upper
117 100
119 97.4 76.5 114.7
121 31.2 25.1 37.7





#39

Methylvlcyclohexane

Concen: 18.344 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

ClientSampled :

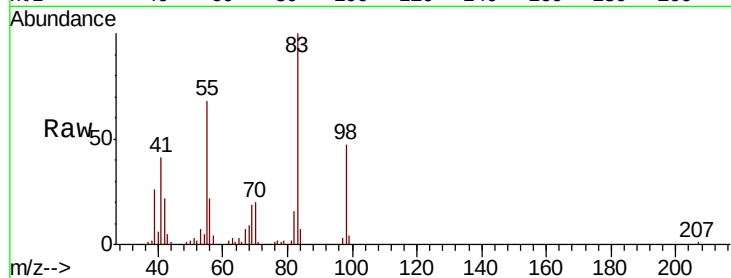
Tot Ion: 83 Resp: 60662

Ion Ratio Lower Upper

83 100

55 67.8 64.2 96.2

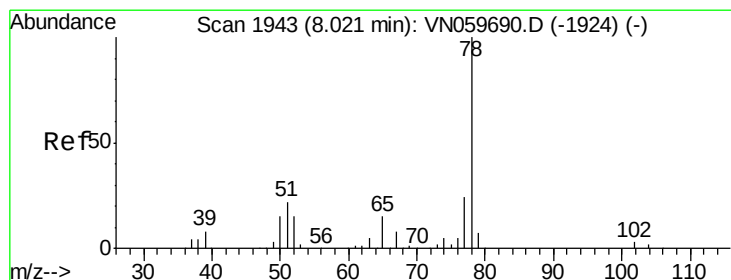
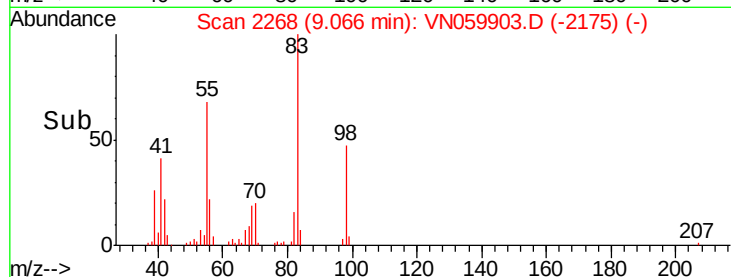
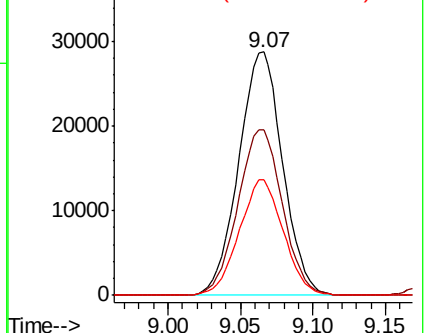
98 47.4 35.9 53.9



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: 19.229 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN059903.D

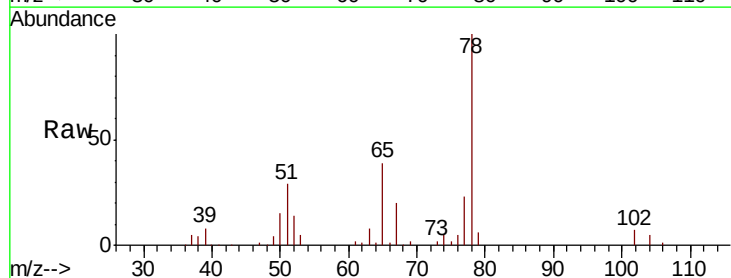
Acq: 29 Jan 2020 11:28

Tgt Ion: 78 Resp: 153808

Ion Ratio Lower Upper

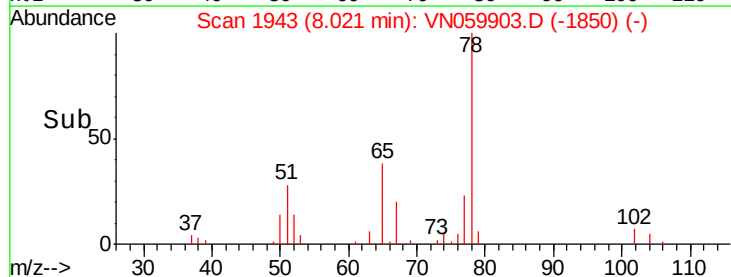
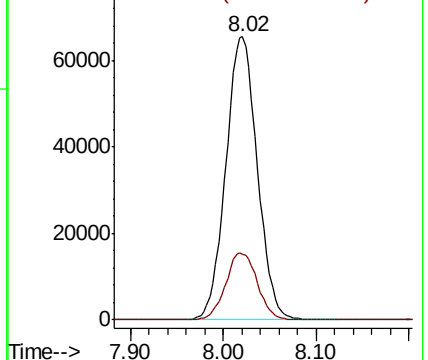
78 100

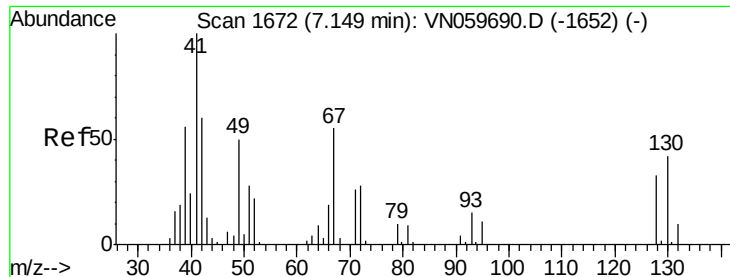
77 23.4 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

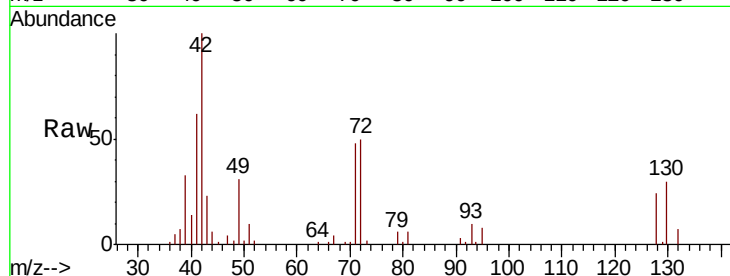




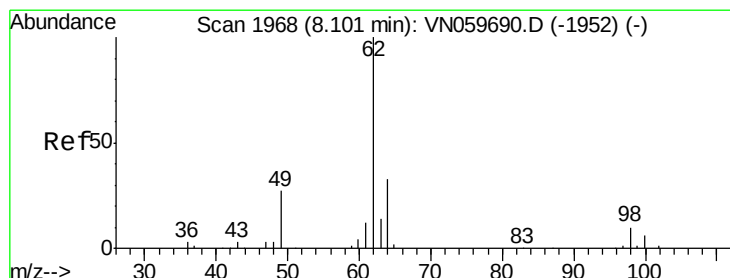
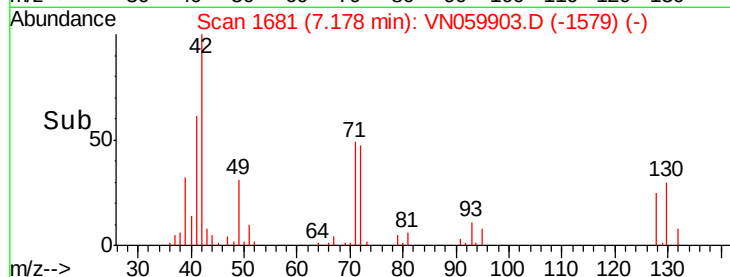
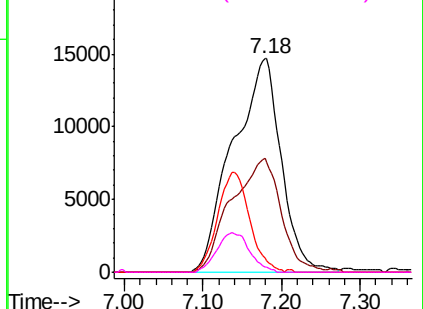
#41
Methacrylonitrile
Concen: 50.921 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 63092
Ion Ratio Lower Upper
41 100
39 54.7 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

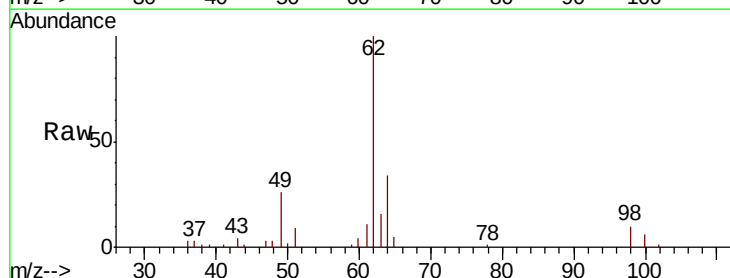


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

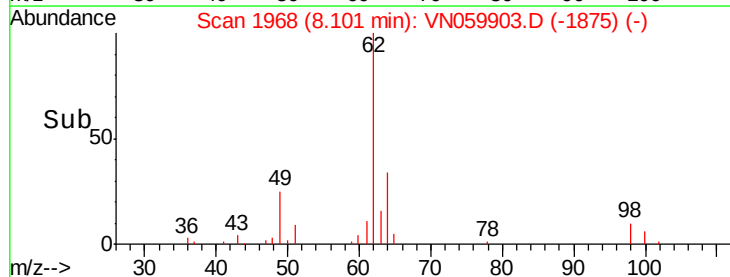
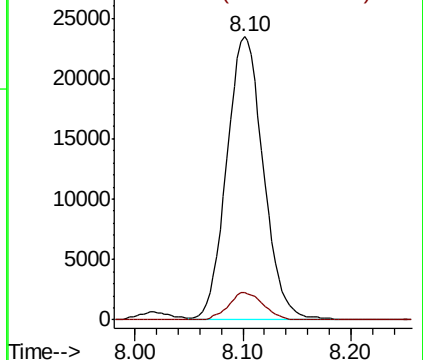


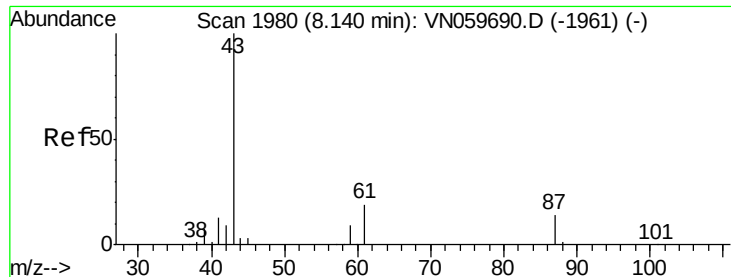
#42
1,2-Dichloroethane
Concen: 20.527 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion: 62 Resp: 55668
Ion Ratio Lower Upper
62 100
98 9.1 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 18.070 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

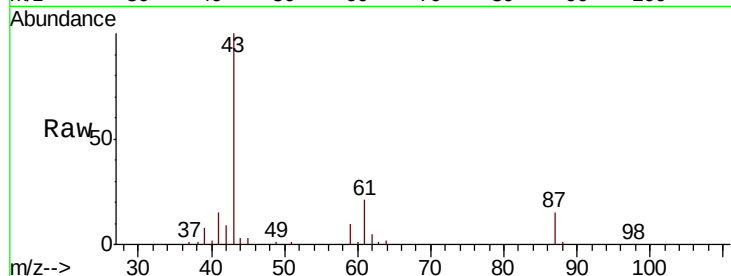
Tot Ion: 43 Resp: 78183

Ion Ratio Lower Upper

43 100

61 27.6 20.2 30.2

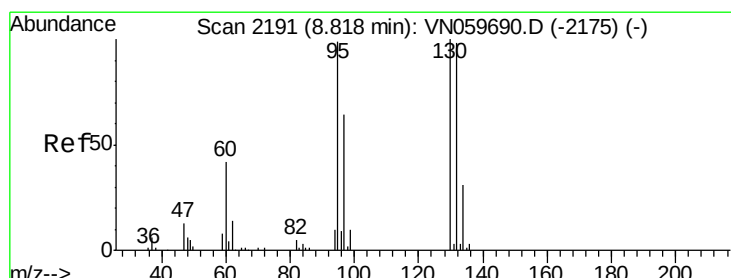
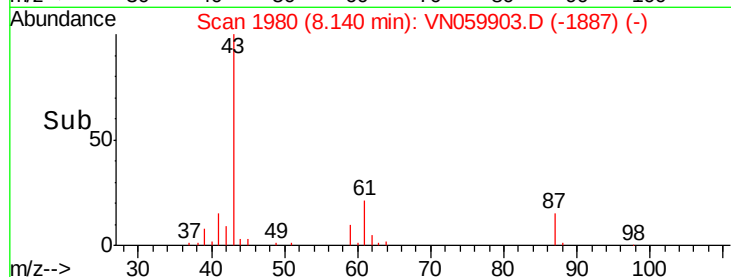
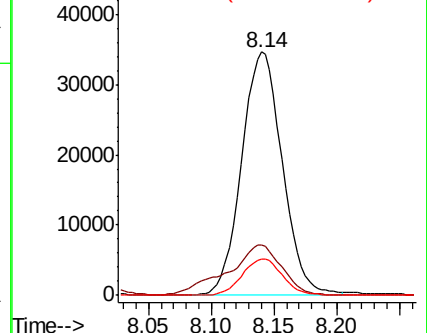
87 14.8 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059903.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN059903.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN059903.D (-1887) (-)



#44

Trichloroethene

Concen: 21.221 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059903.D

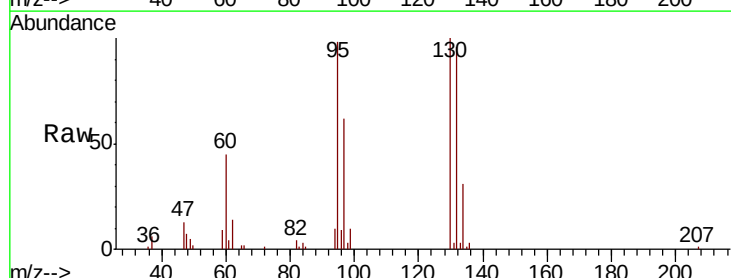
Acq: 29 Jan 2020 11:28

Tgt Ion:130 Resp: 46337

Ion Ratio Lower Upper

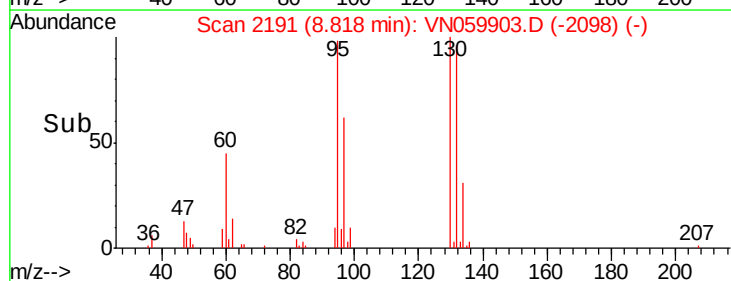
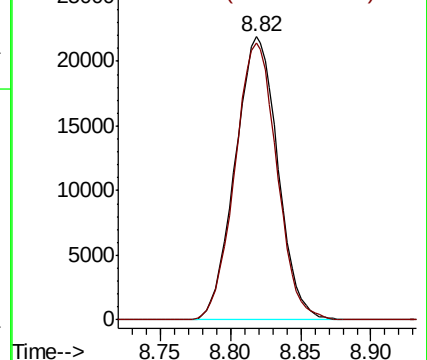
130 100

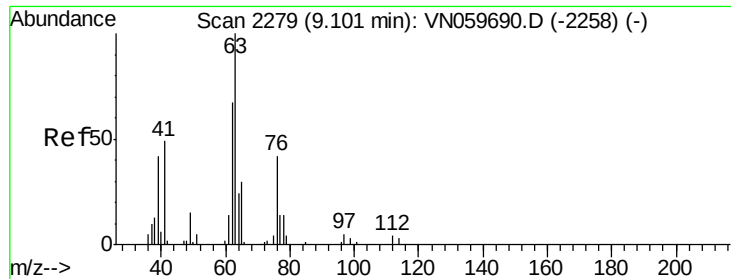
95 97.7 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059903.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059903.D (-2098) (-)

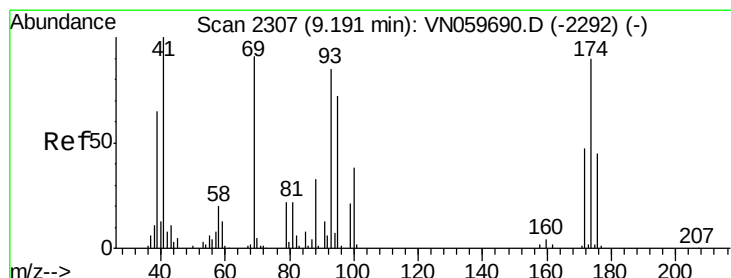
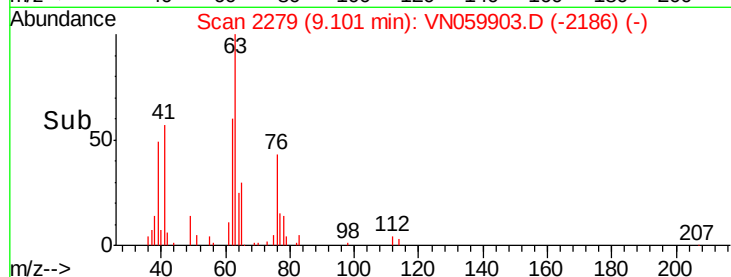
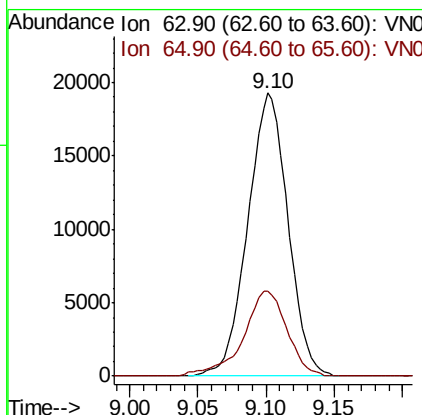
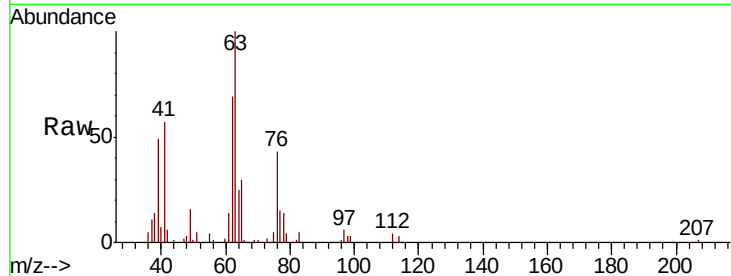




#45
 1,2-Dichloropropane
 Concen: 19.928 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059903.D
 Acq: 29 Jan 2020 11:28

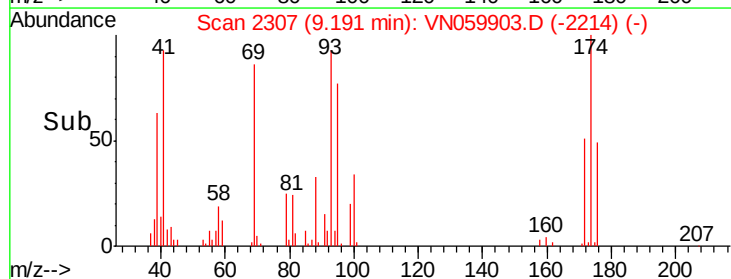
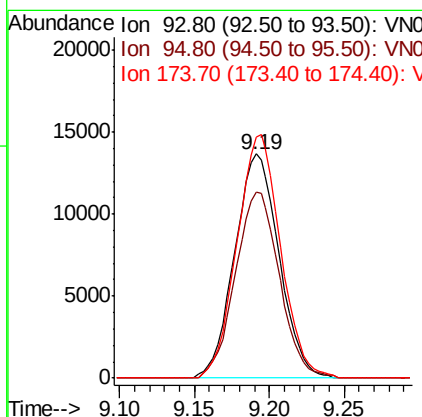
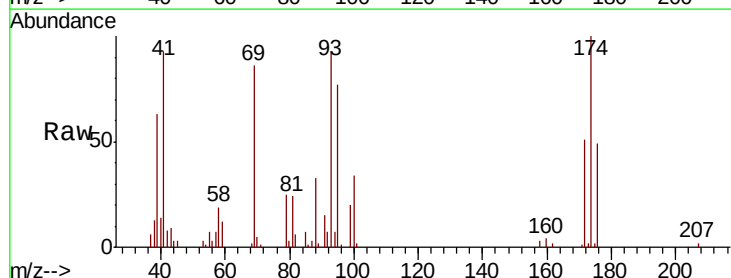
Instrument :
 MSVOA_N
 ClientSampled :

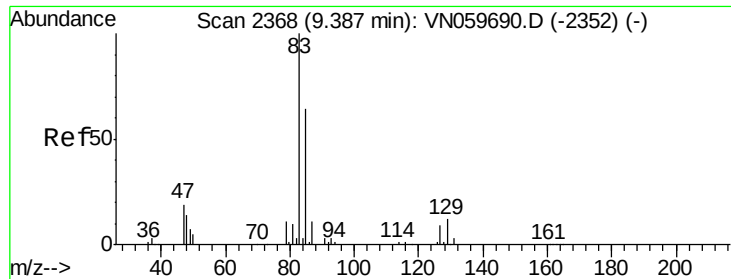
Tot Ion: 63 Resp: 39444
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.9 37.3



#46
 Dibromomethane
 Concen: 20.214 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059903.D
 Acq: 29 Jan 2020 11:28

Tgt Ion: 93 Resp: 28223
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.0 100.6
 174 106.4 73.4 110.2

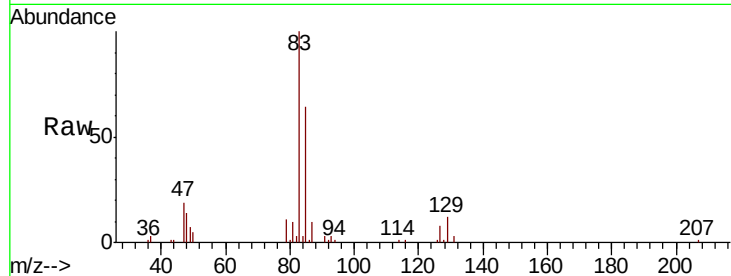




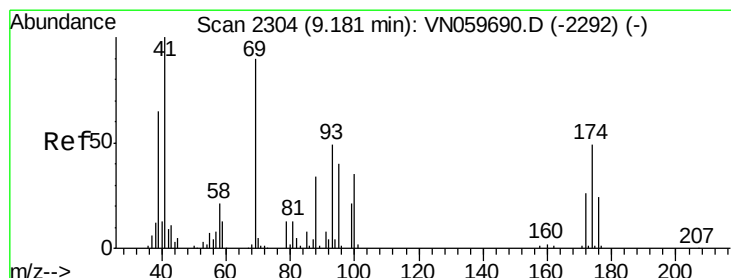
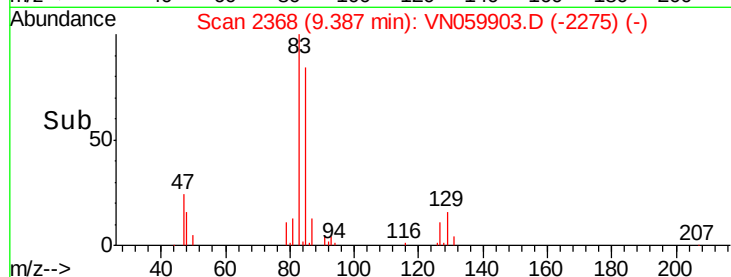
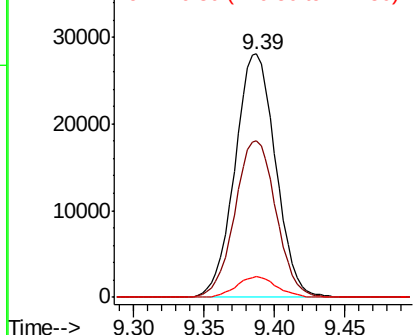
#47
Bromodichloromethane
Concen: 20.130 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 56637
Ion Ratio Lower Upper
83 100
85 64.4 51.1 76.7
127 8.4 6.6 9.8

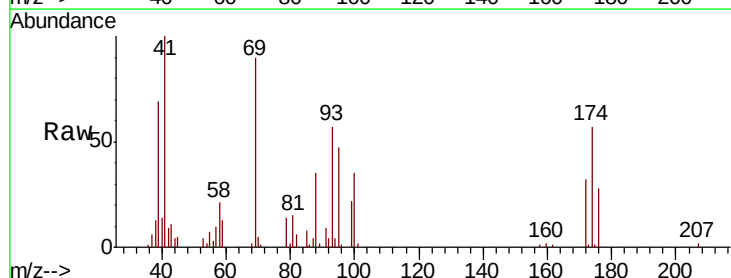


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

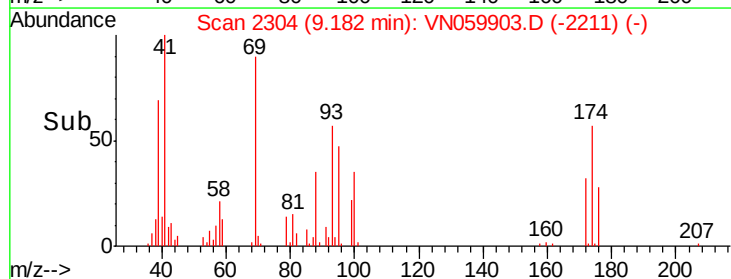
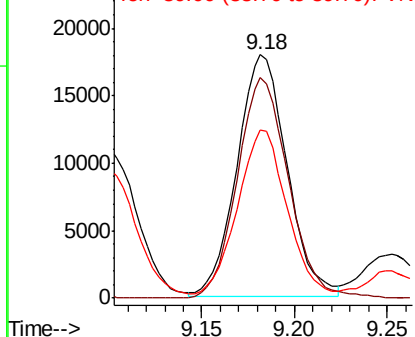


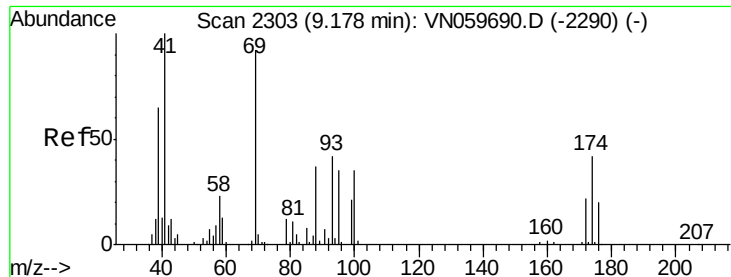
#48
Methyl methacrylate
Concen: 17.403 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion: 41 Resp: 33681
Ion Ratio Lower Upper
41 100
69 92.9 64.4 96.6
39 70.0 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

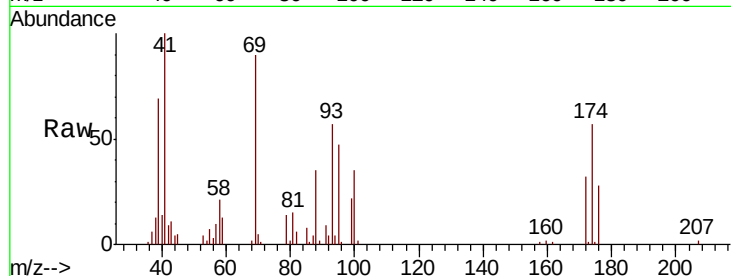




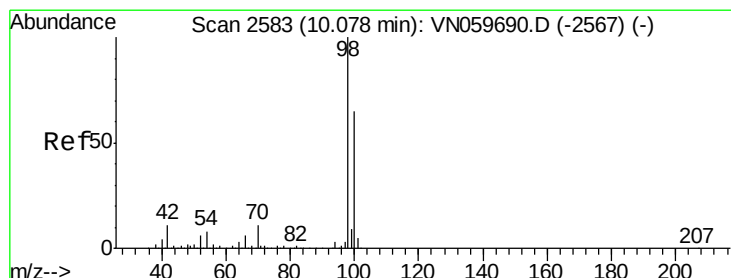
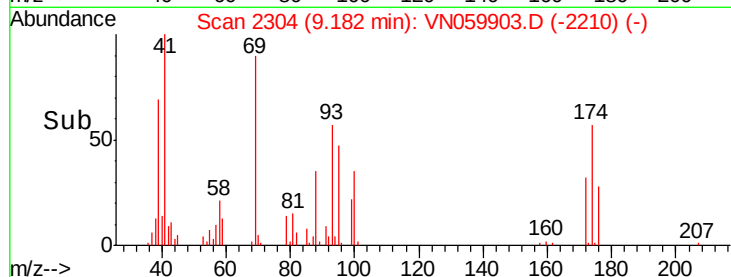
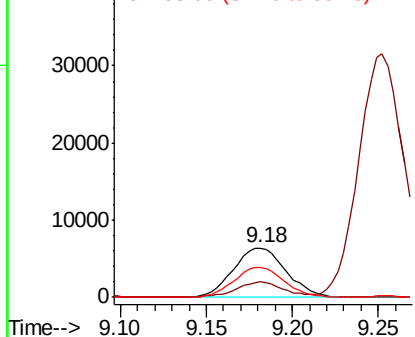
#49
1,4-Dioxane
Concen: 382.201 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 13541
Ion Ratio Lower Upper
88 100
43 29.0 29.7 44.5#
58 57.6 56.6 85.0

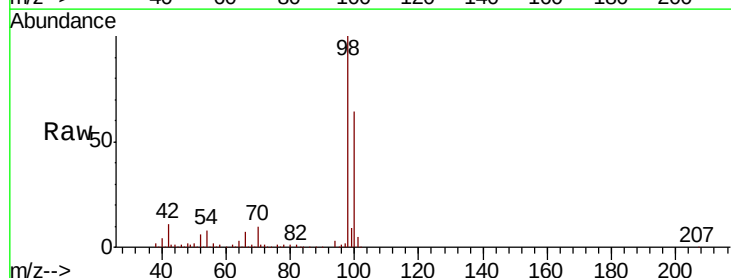


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

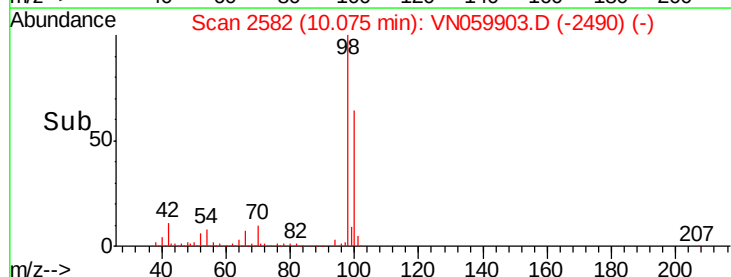
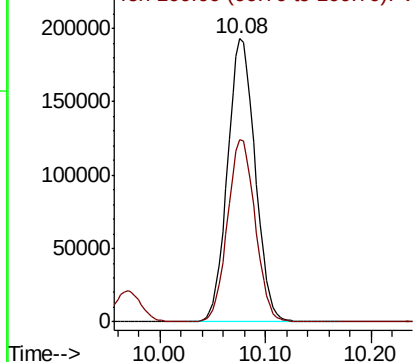


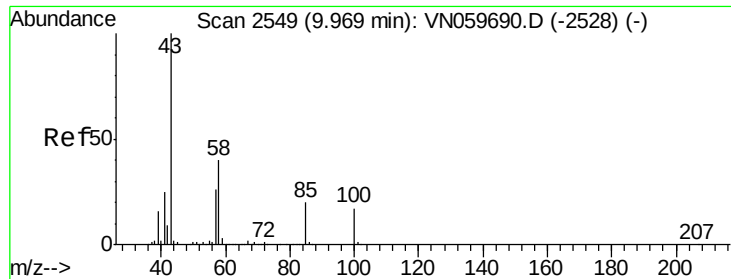
#50
Toluene-d8
Concen: 49.050 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion: 98 Resp: 349036
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

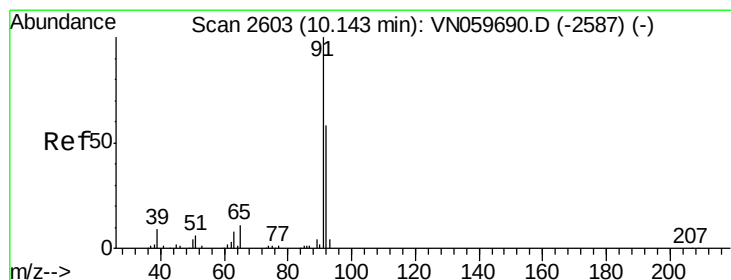
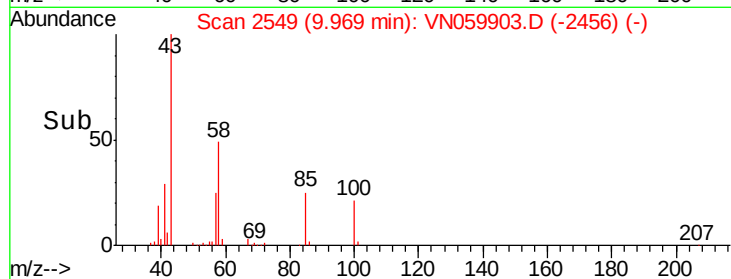
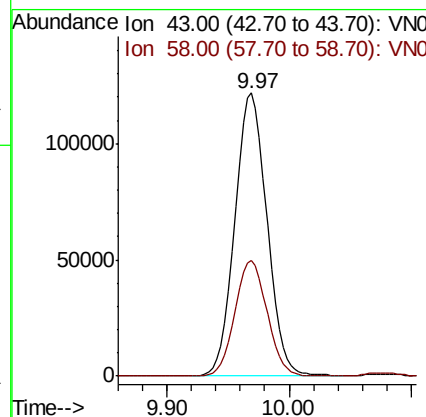
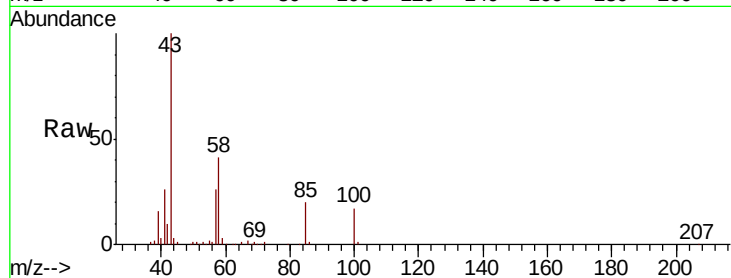




#51
 4-Methyl-2-Pentanone
 Concen: 89.244 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059903.D
 Acq: 29 Jan 2020 11:28

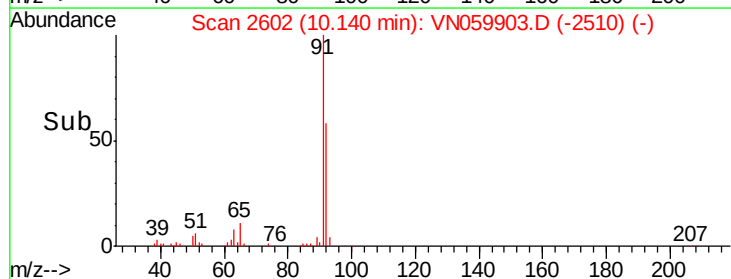
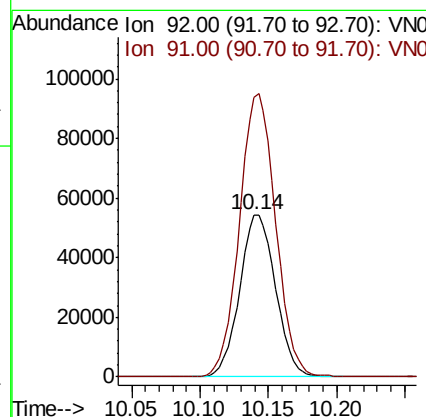
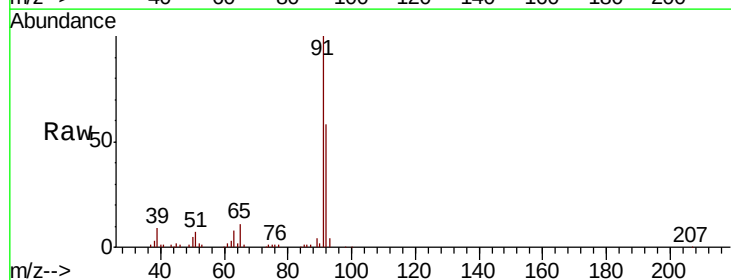
Instrument :
 MSVOA_N
 ClientSampled :

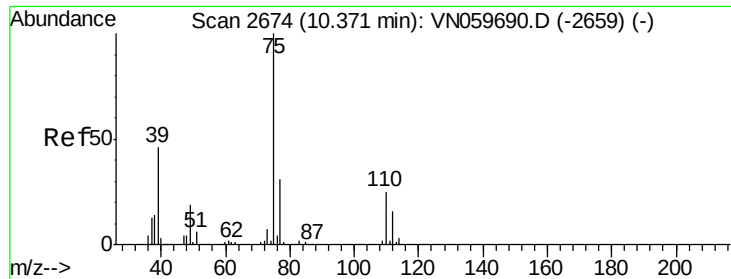
Tot Ion: 43 Resp: 223212
 Ion Ratio Lower Upper
 43 100
 58 41.0 29.8 44.8



#52
 Toluene
 Concen: 19.695 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN059903.D
 Acq: 29 Jan 2020 11:28

Tgt Ion: 92 Resp: 99507
 Ion Ratio Lower Upper
 92 100
 91 175.9 140.4 210.6

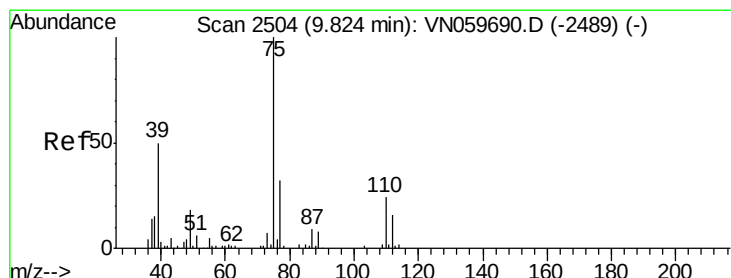
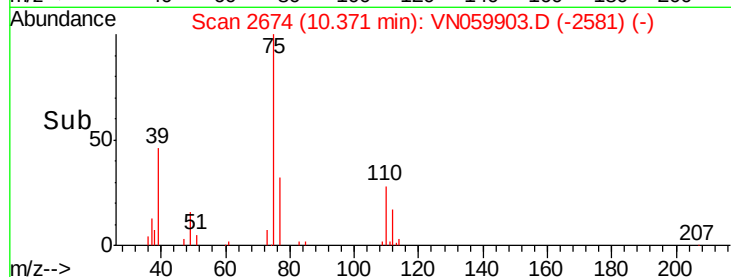
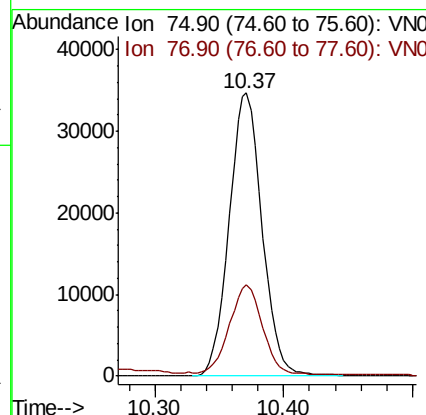
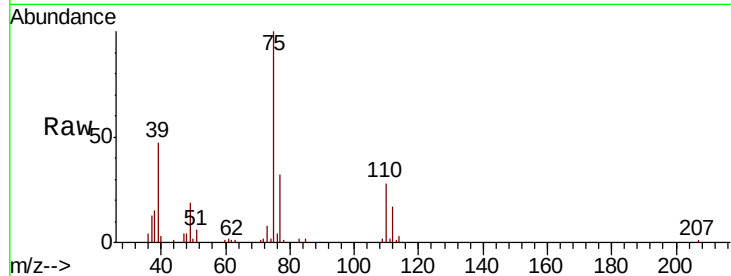




#53
t-1,3-Dichloropropene
Concen: 19.572 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

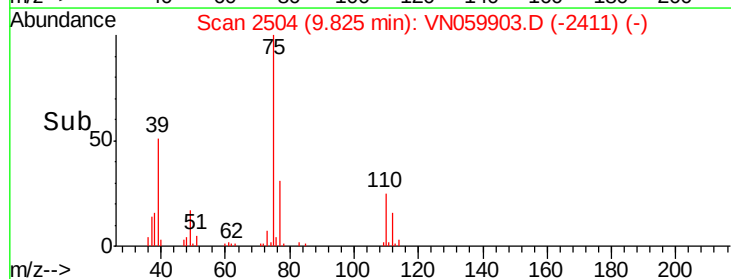
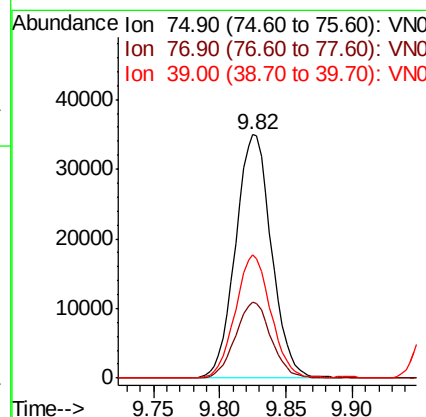
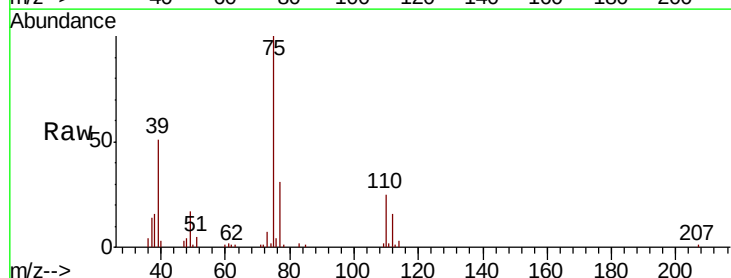
Instrument :
MSVOA_N
ClientSampleId :

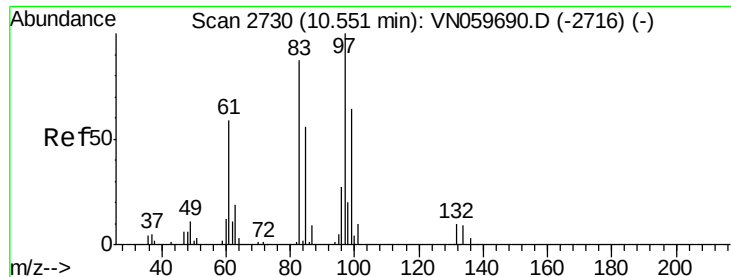
Tot Ion: 75 Resp: 61487
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 19.898 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion: 75 Resp: 65774
Ion Ratio Lower Upper
75 100
77 31.1 25.1 37.7
39 50.8 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 20.515 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 41051

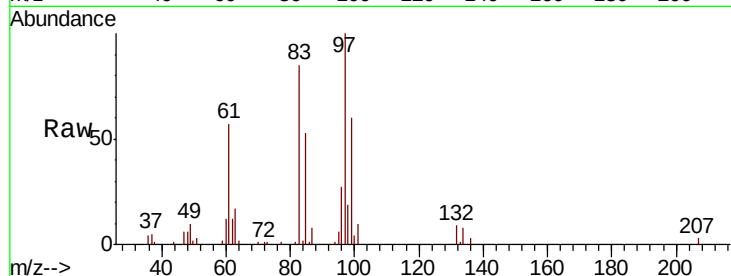
Ion Ratio Lower Upper

97 100

83 84.7 71.3 106.9

85 53.4 45.8 68.8

99 59.7 50.0 75.0

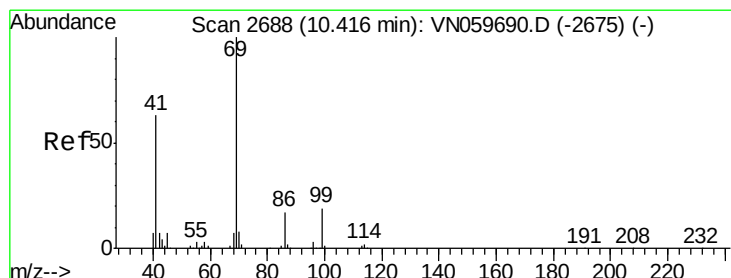
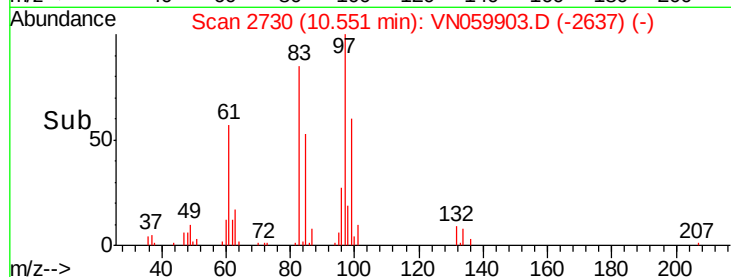
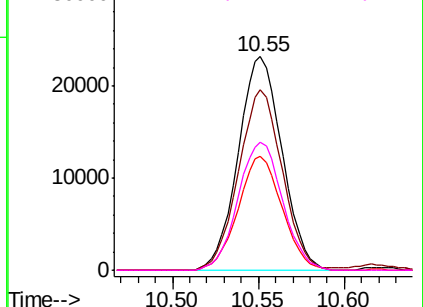


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 18.068 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

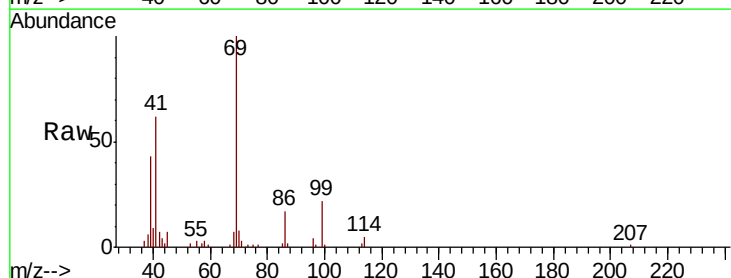
Tgt Ion: 69 Resp: 55245

Ion Ratio Lower Upper

69 100

41 61.8 57.1 85.7

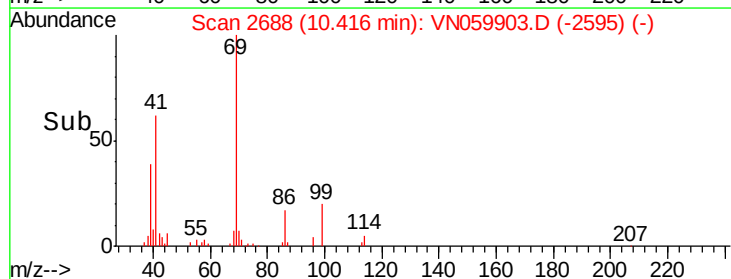
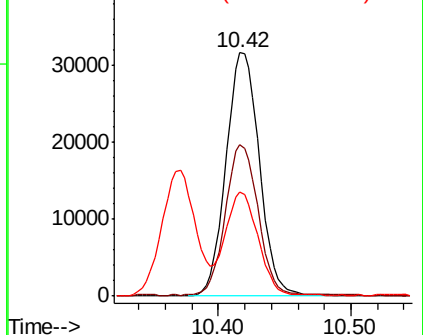
39 43.2 34.7 52.1

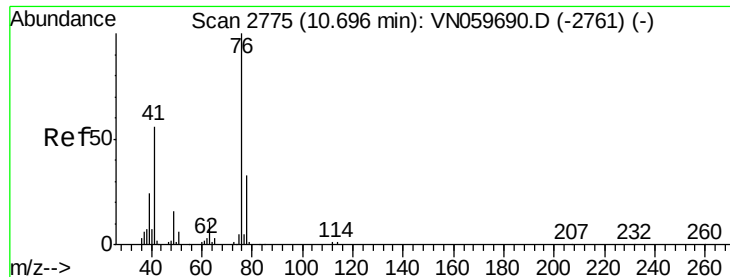


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.348 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

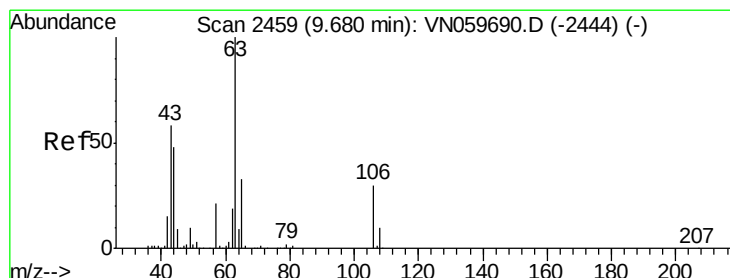
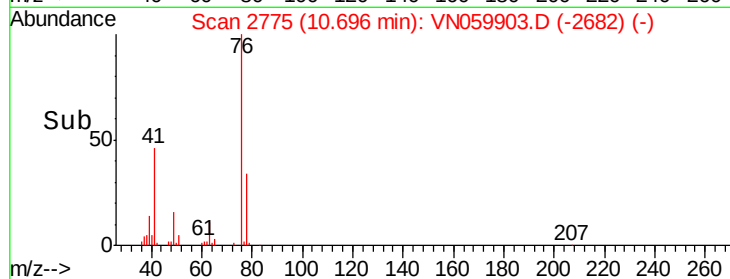
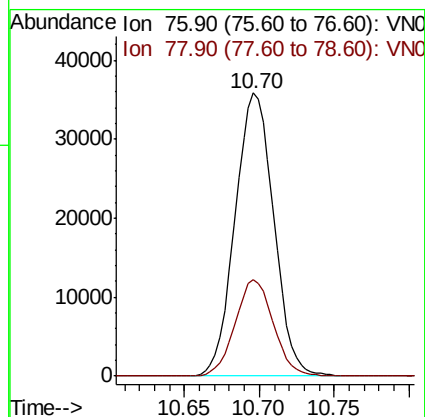
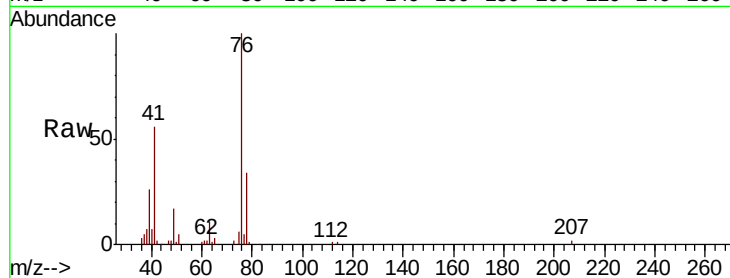
ClientSampled :

Tot Ion: 76 Resp: 64644

Ion Ratio Lower Upper

76 100

78 33.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 92.556 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059903.D

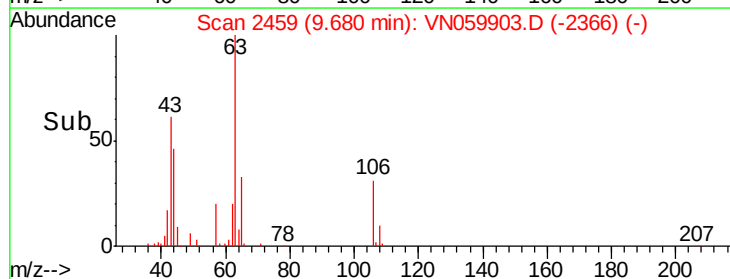
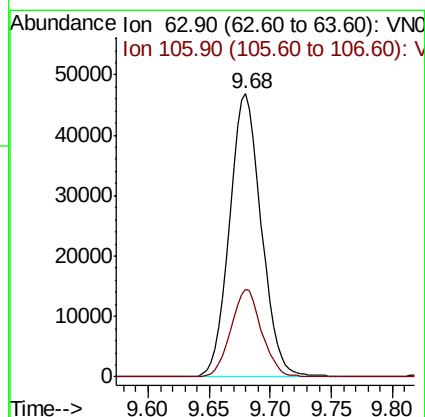
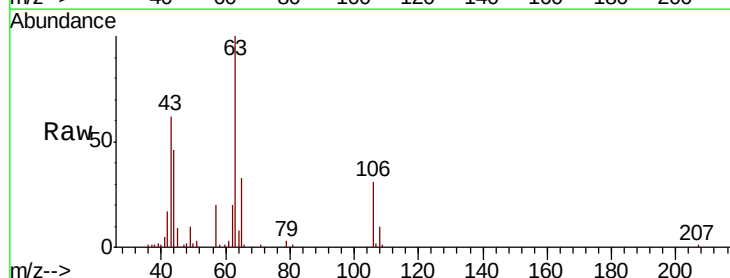
Acq: 29 Jan 2020 11:28

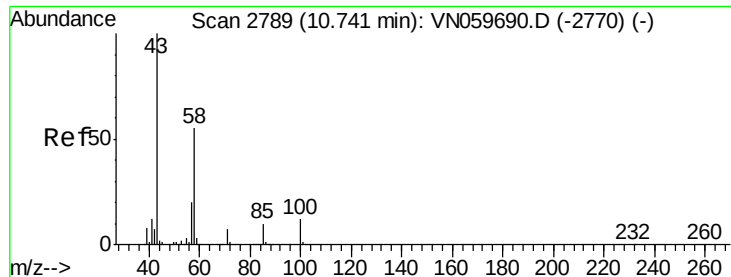
Tgt Ion: 63 Resp: 85239

Ion Ratio Lower Upper

63 100

106 29.8 20.2 30.2

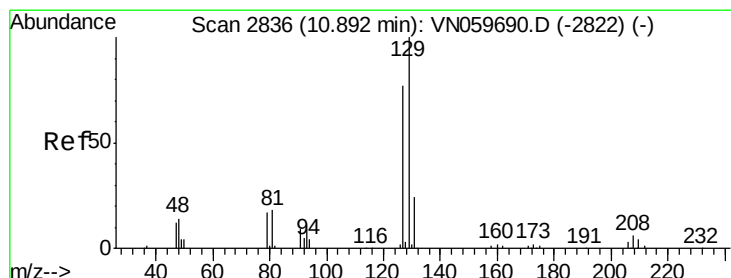
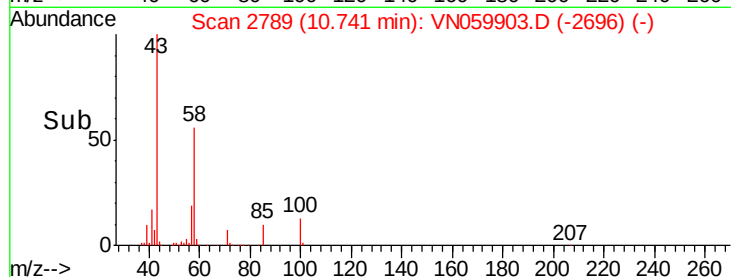
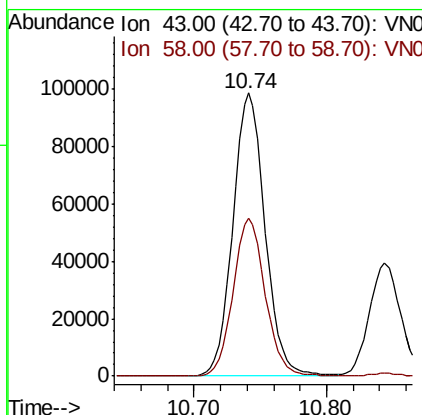
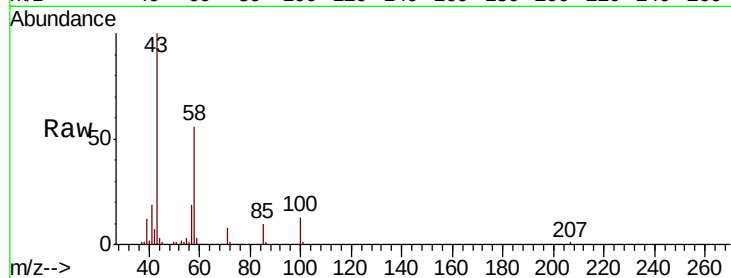




#59
2-Hexanone
Concen: 90.071 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

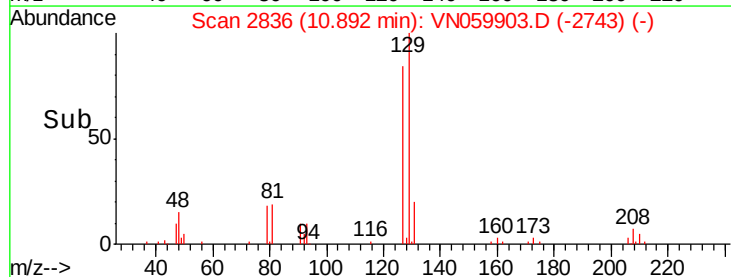
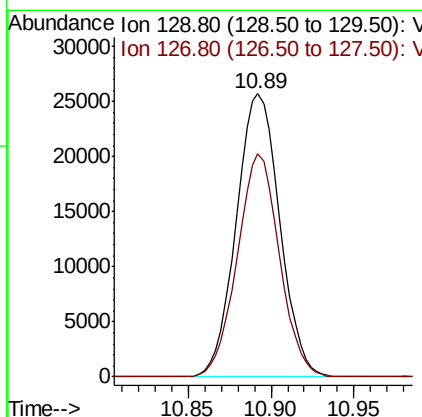
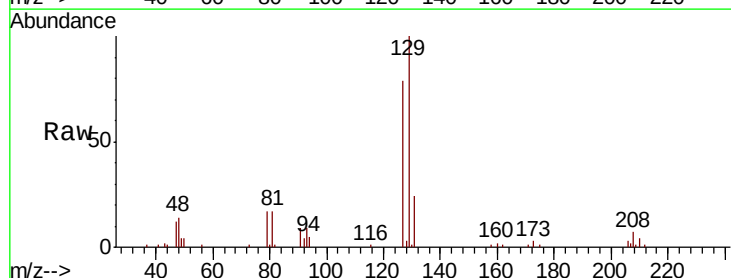
Instrument :
MSVOA_N
ClientSampled :

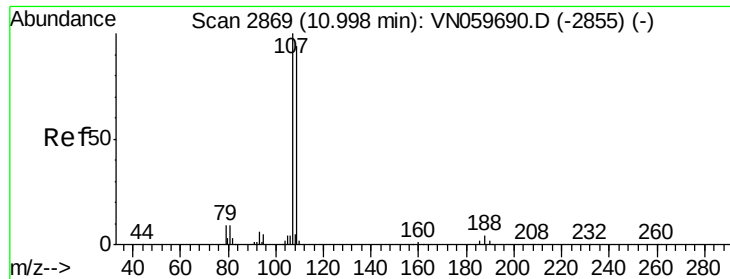
Tot Ion: 43 Resp: 165965
Ion Ratio Lower Upper
43 100
58 55.8 25.8 77.3



#60
Dibromochloromethane
Concen: 20.557 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion: 129 Resp: 46842
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.5

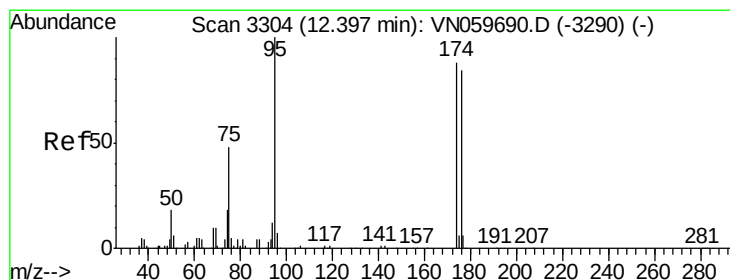
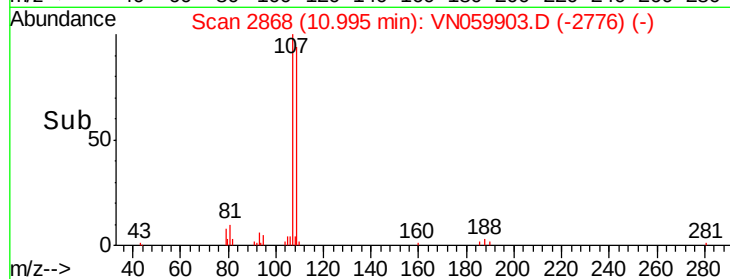
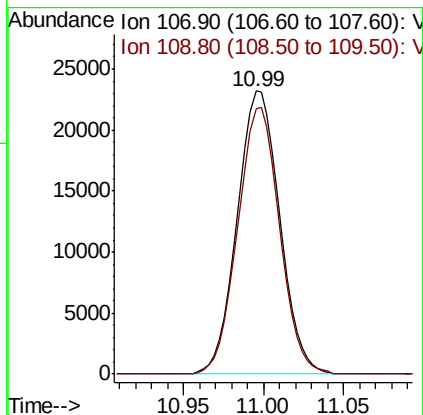
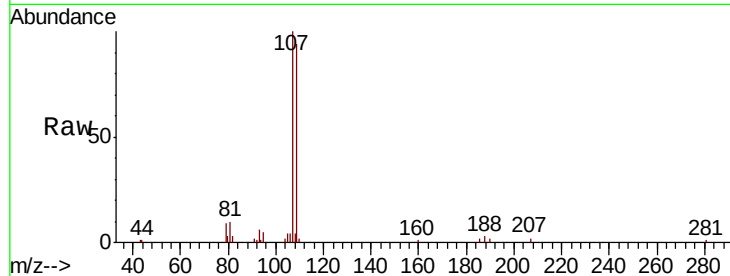




#61
 1,2-Dibromoethane
 Concen: 20.038 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059903.D
 Acq: 29 Jan 2020 11:28

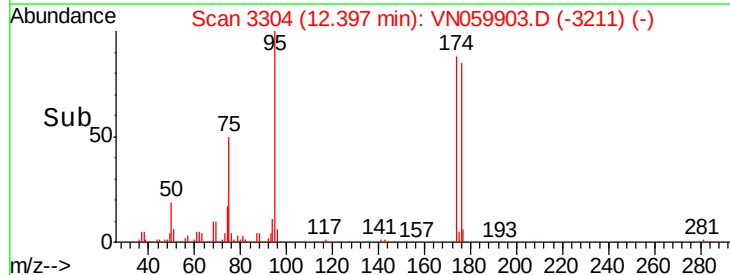
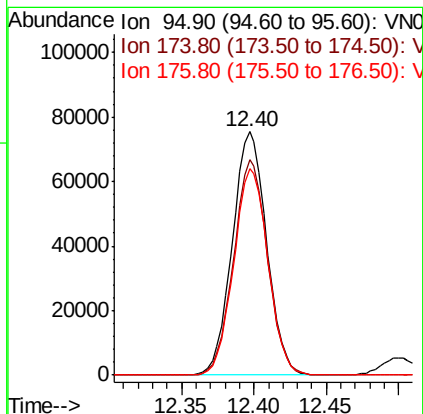
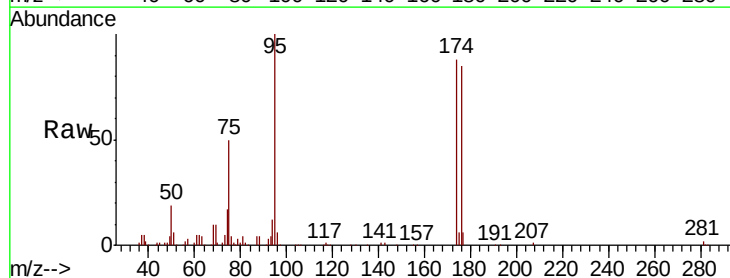
Instrument :
 MSVOA_N
 ClientSampled :

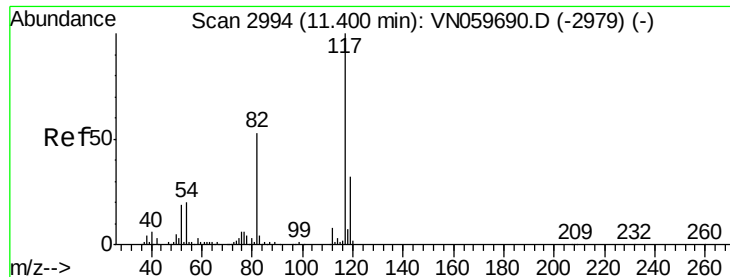
Tot Ion:107 Resp: 42026
 Ion Ratio Lower Upper
 107 100
 109 92.8 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 48.216 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059903.D
 Acq: 29 Jan 2020 11:28

Tgt Ion: 95 Resp: 123689
 Ion Ratio Lower Upper
 95 100
 174 87.5 0.0 151.4
 176 85.0 0.0 146.0

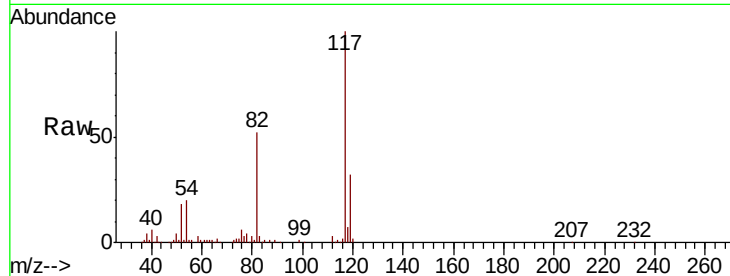




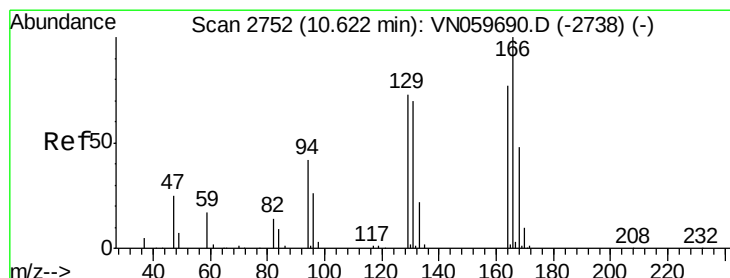
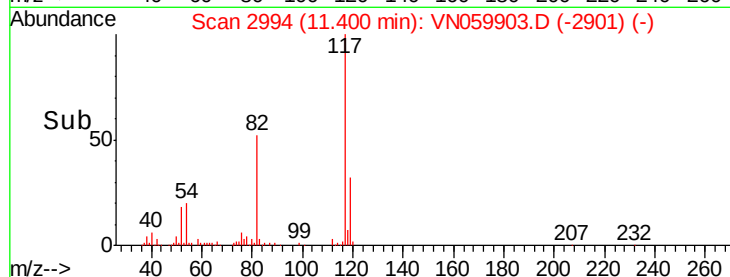
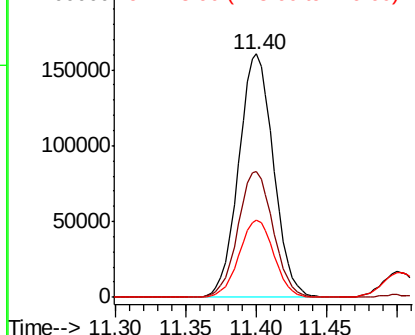
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 277505
Ion Ratio Lower Upper
117 100
82 51.7 45.9 68.9
119 31.8 25.5 38.3

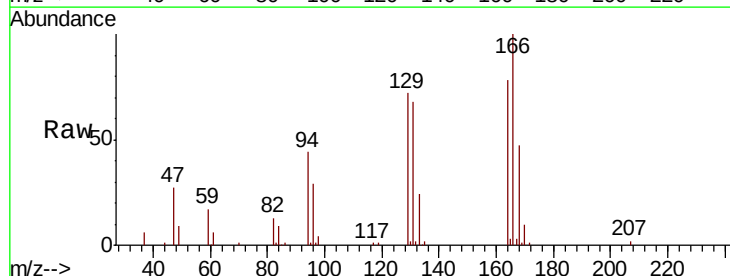


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

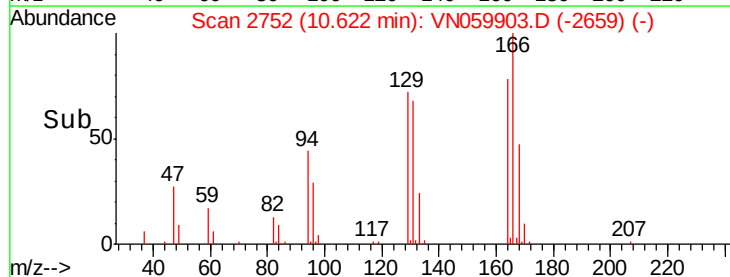
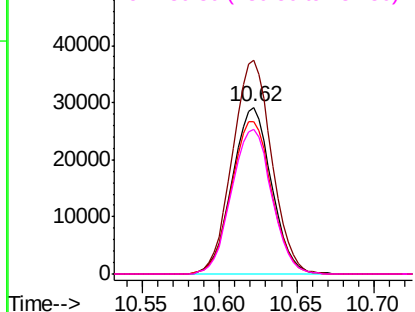


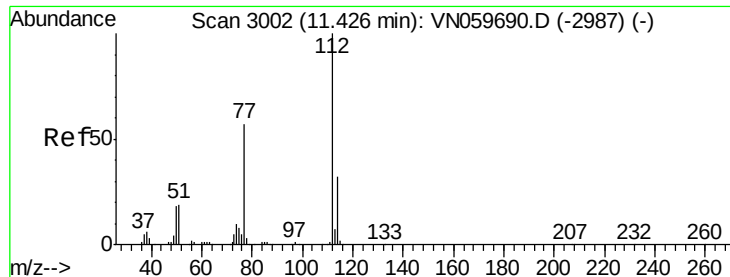
#64
Tetrachloroethene
Concen: 22.736 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion:164 Resp: 51422
Ion Ratio Lower Upper
164 100
166 128.3 101.4 152.0
129 91.9 80.2 120.4
131 87.1 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

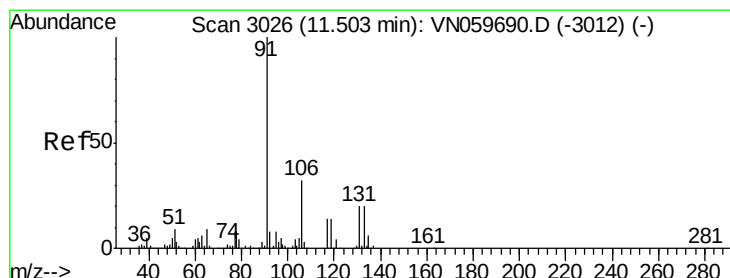
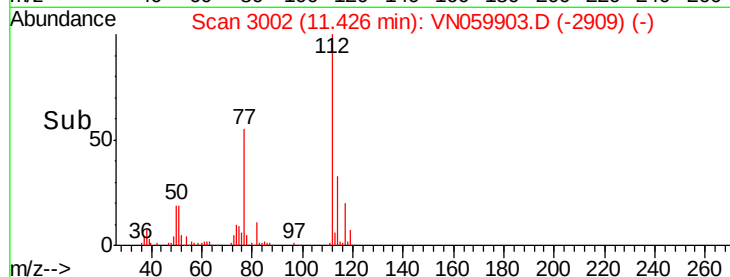
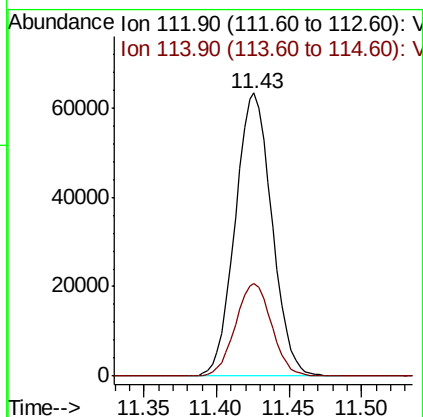
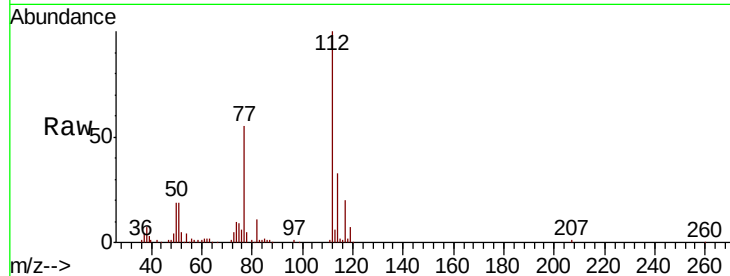




#65
Chlorobenzene
Concen: 20.376 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

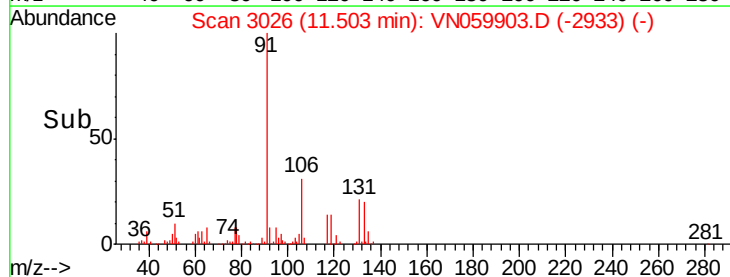
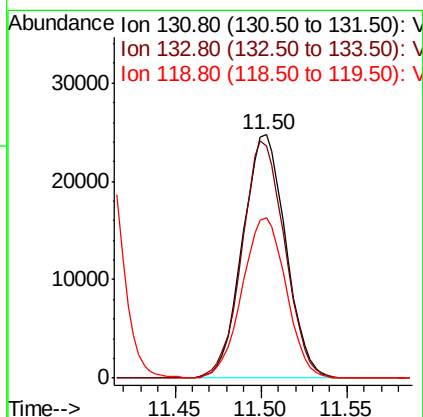
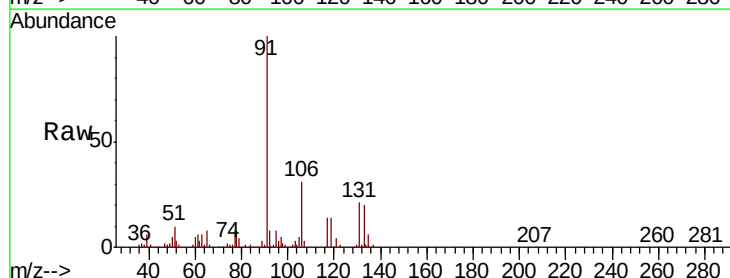
Instrument :
MSVOA_N
ClientSampleId :

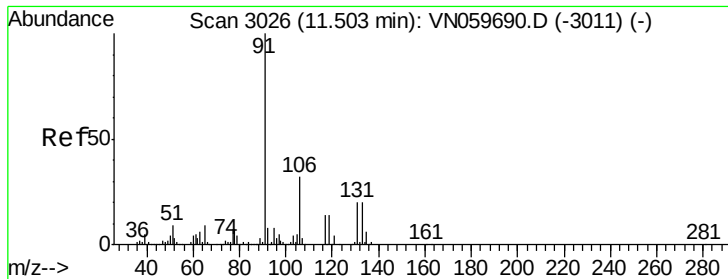
Tot Ion:112 Resp: 111142
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.480 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion:131 Resp: 43163
Ion Ratio Lower Upper
131 100
133 96.7 47.4 142.2
119 66.8 33.1 99.3





#67

Ethyl Benzene

Concen: 19.881 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

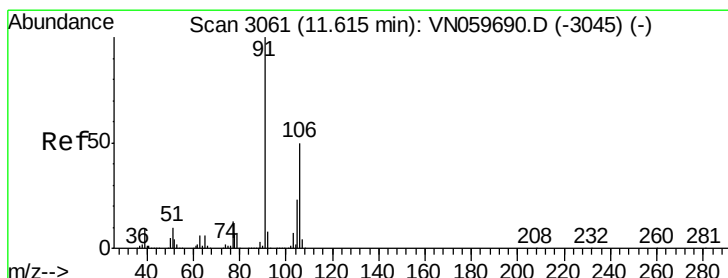
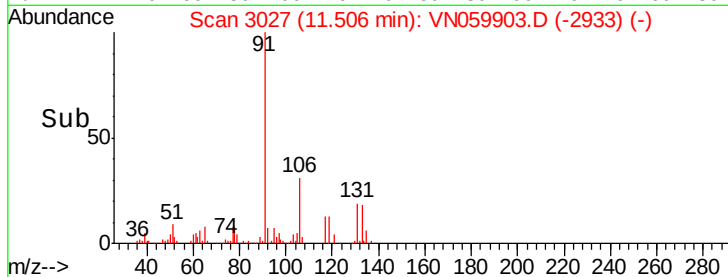
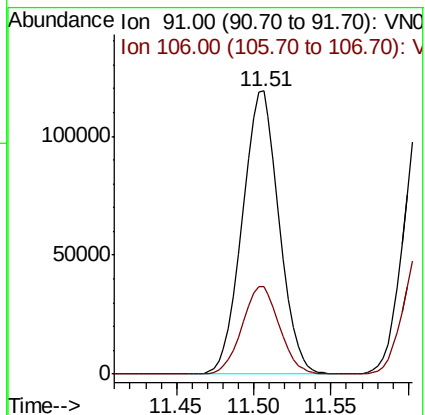
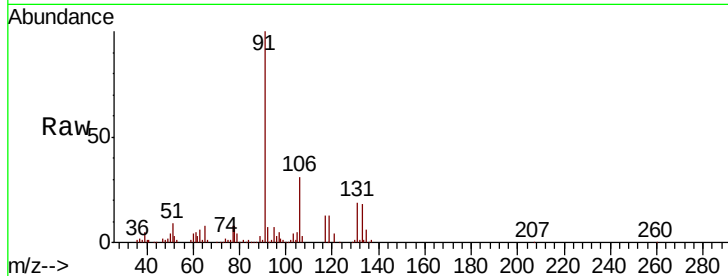
ClientSampleId :

Tot Ion: 91 Resp: 196849

Ion Ratio Lower Upper

91 100

106 31.0 24.1 36.1



#68

m/p-Xylenes

Concen: 39.635 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059903.D

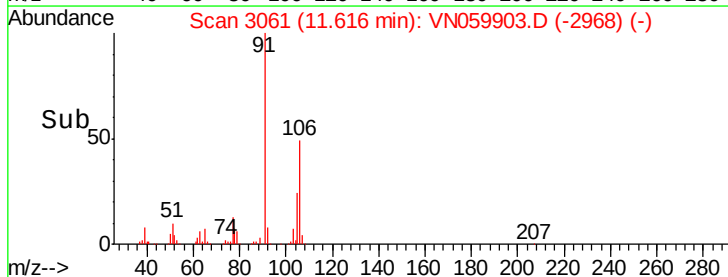
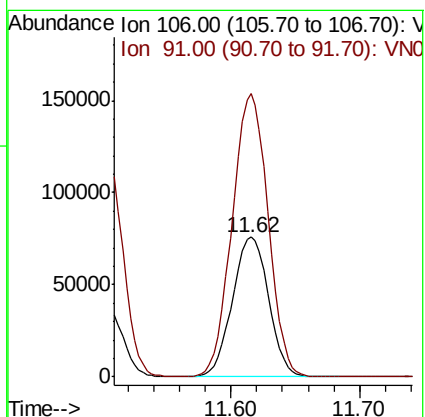
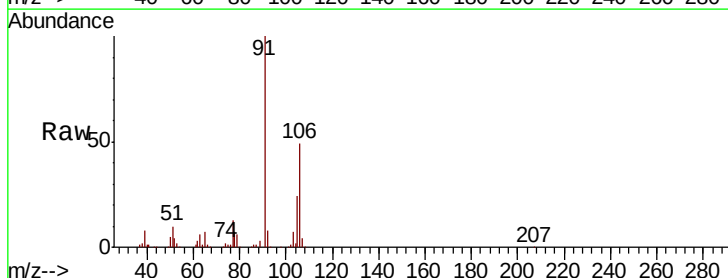
Acq: 29 Jan 2020 11:28

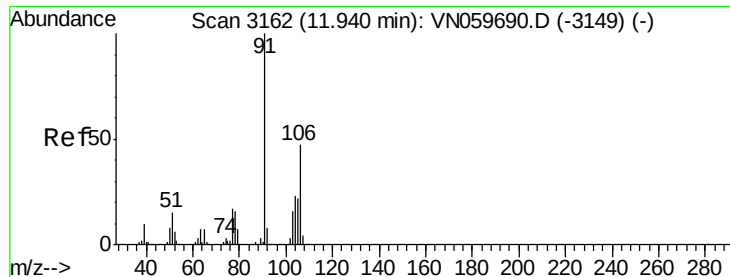
Tgt Ion: 106 Resp: 148243

Ion Ratio Lower Upper

106 100

91 201.3 167.9 251.9

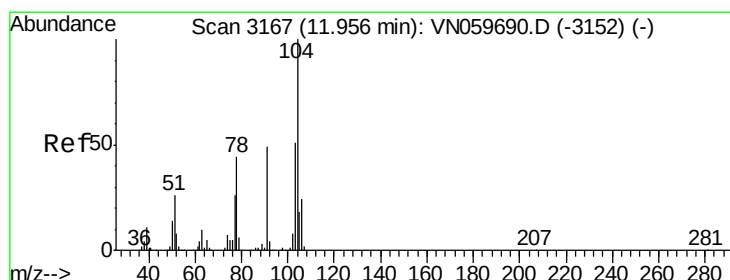
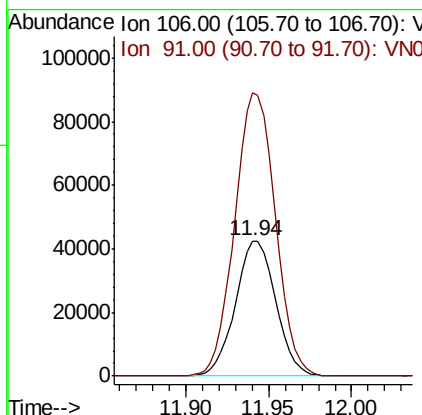
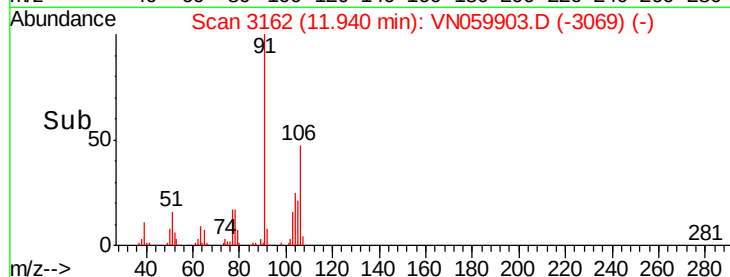
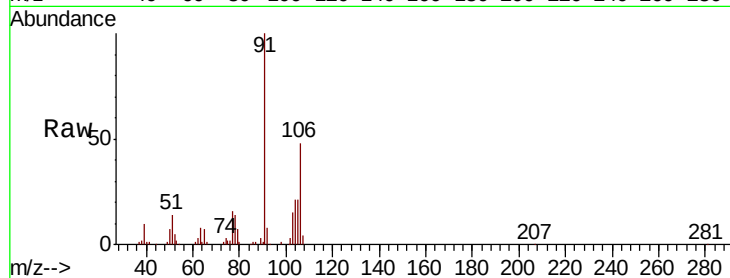




#69
o-Xylene
Concen: 19.622 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

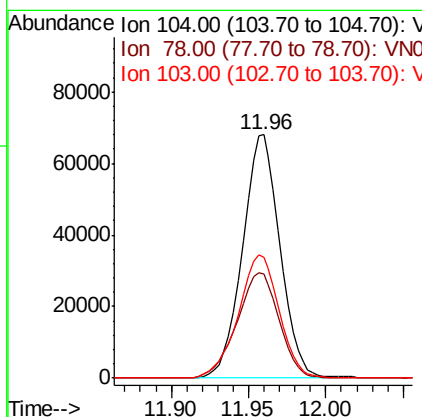
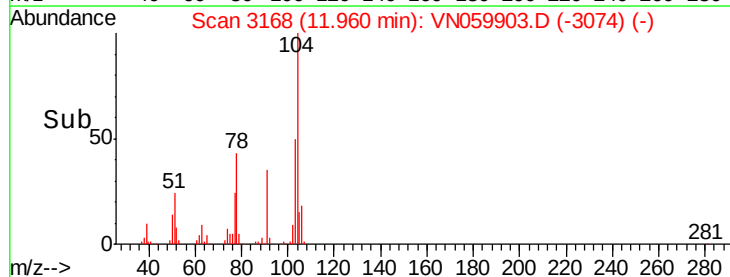
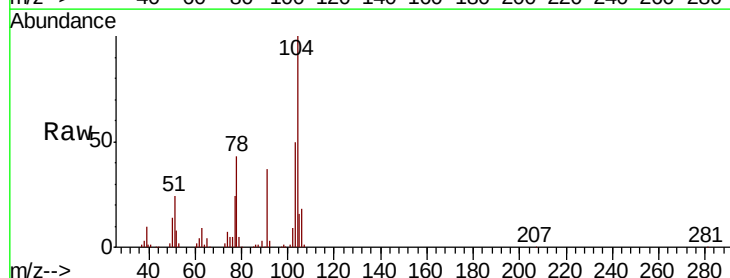
Instrument :
MSVOA_N
ClientSampleId :

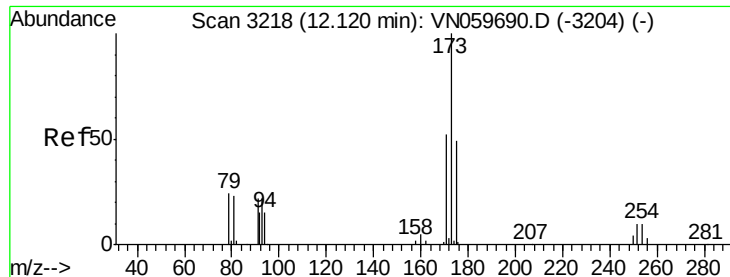
Tot Ion:106 Resp: 71850
Ion Ratio Lower Upper
106 100
91 211.5 110.3 330.9



#70
Styrene
Concen: 18.695 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion:104 Resp: 114548
Ion Ratio Lower Upper
104 100
78 48.7 42.4 63.6
103 55.4 43.9 65.9





#71

Bromoform

Concen: 19.904 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

ClientSampled :

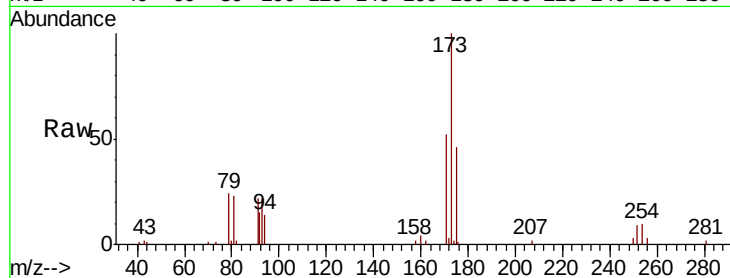
Tot Ion:173 Resp: 33602

Ion Ratio Lower Upper

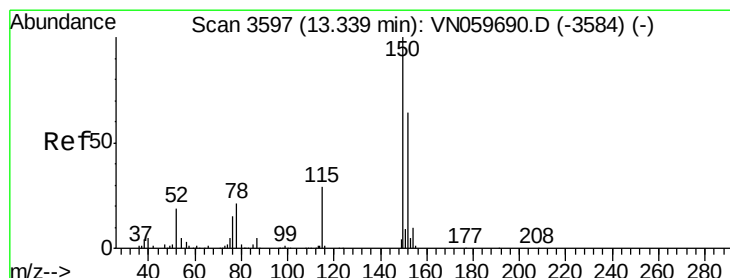
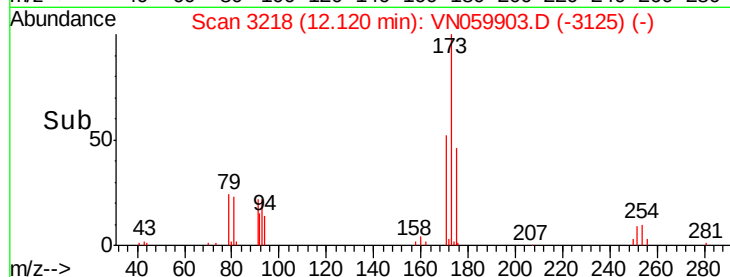
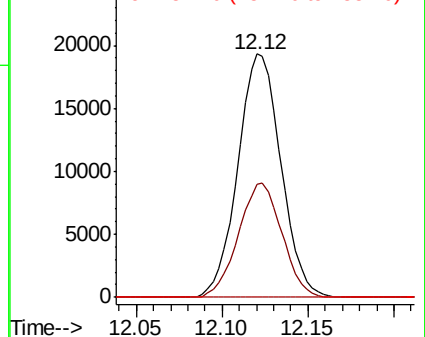
173 100

175 47.3 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: VN059903.D

Acq: 29 Jan 2020 11:28

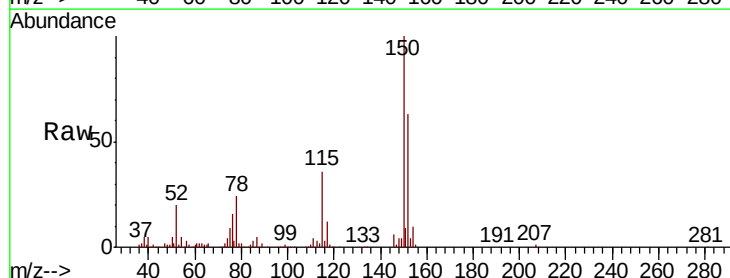
Tgt Ion:152 Resp: 129952

Ion Ratio Lower Upper

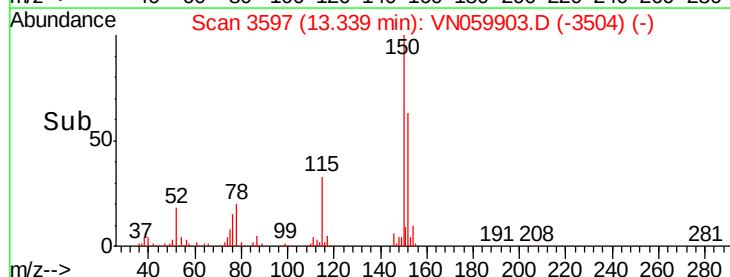
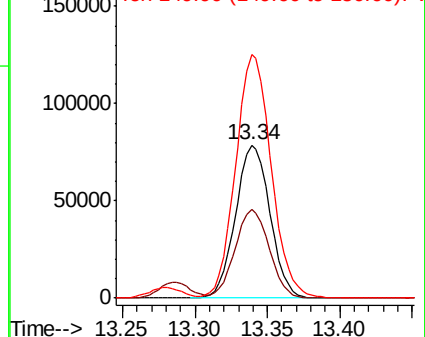
152 100

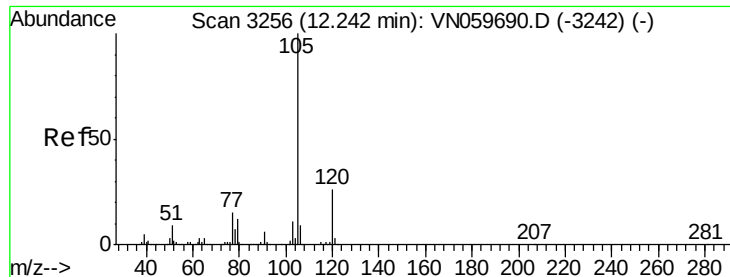
115 57.8 30.3 90.9

150 163.7 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: 20.842 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

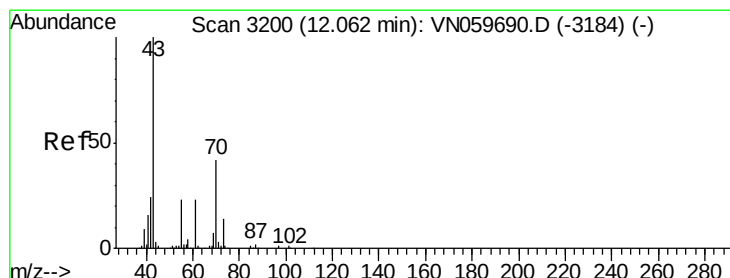
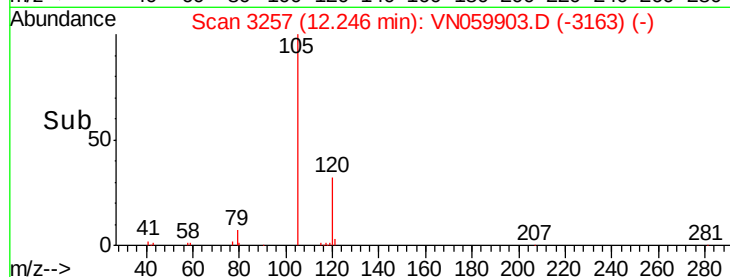
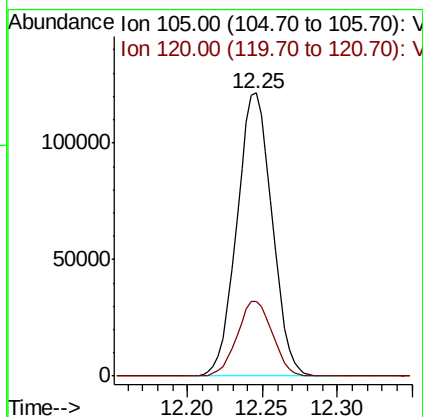
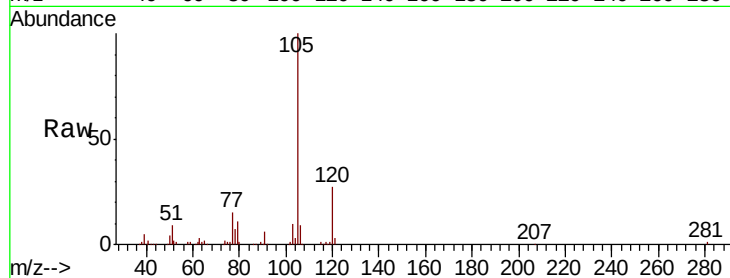
ClientSampleId :

Tot Ion:105 Resp: 198637

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5



#74

N-ethyl acetate

Concen: 17.031 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Tgt Ion: 43 Resp: 62984

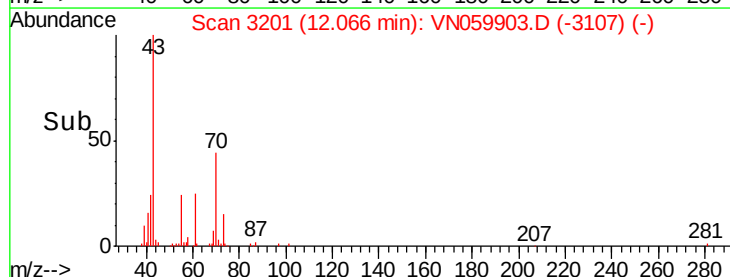
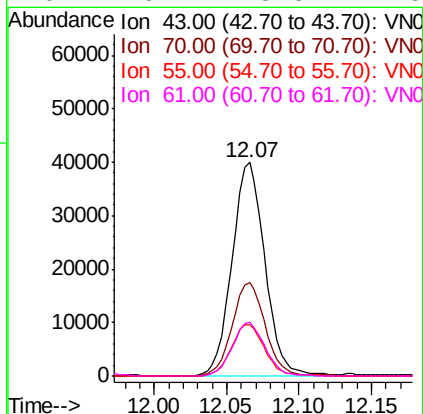
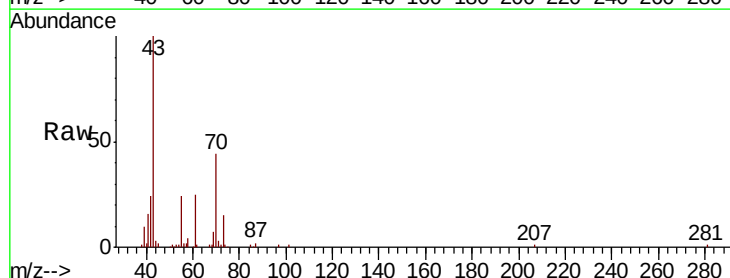
Ion Ratio Lower Upper

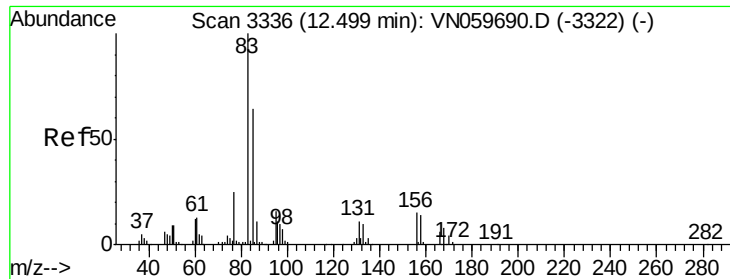
43 100

70 44.1 31.3 46.9

55 24.2 19.8 29.6

61 25.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.078 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

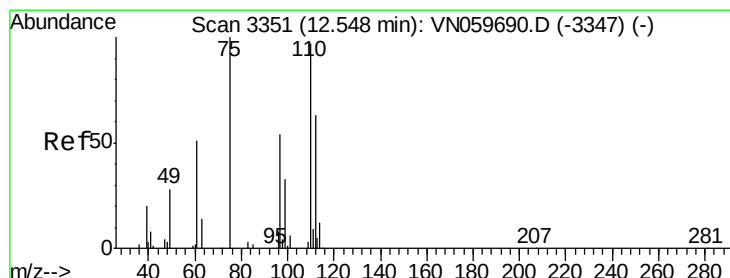
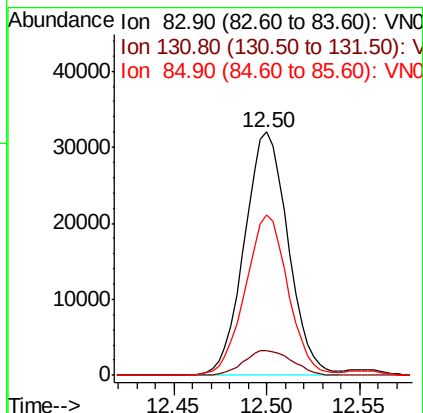
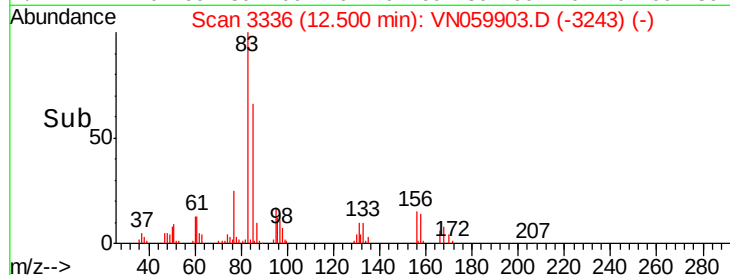
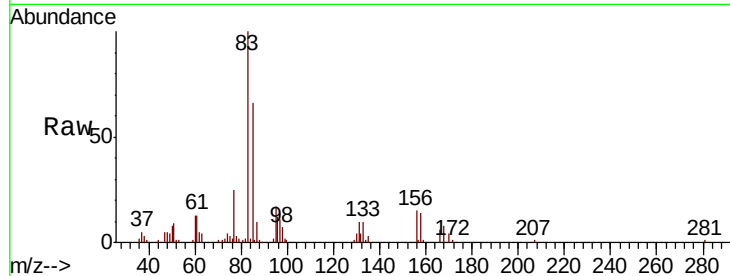
Tot Ion: 83 Resp: 52712

Ion Ratio Lower Upper

83 100

131 11.1 5.0 14.9

85 64.6 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 33.214 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059903.D

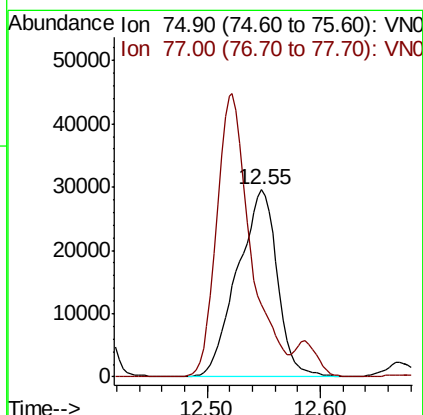
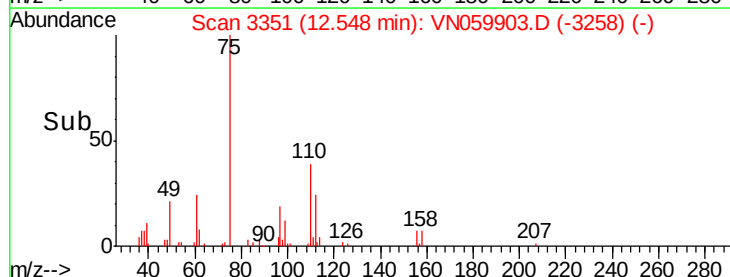
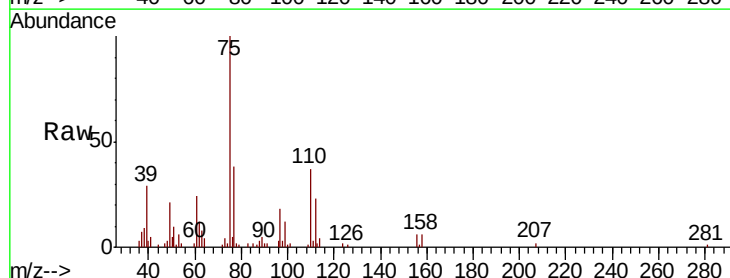
Acq: 29 Jan 2020 11:28

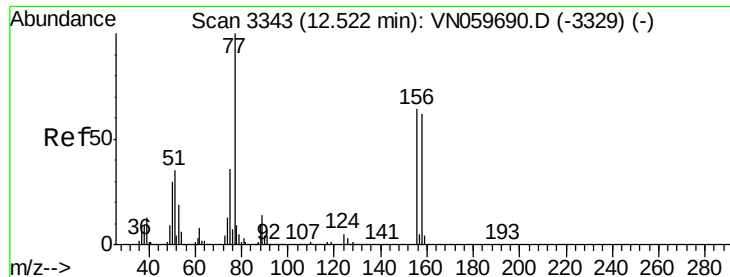
Tgt Ion: 75 Resp: 72638

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.821 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

ClientSampled :

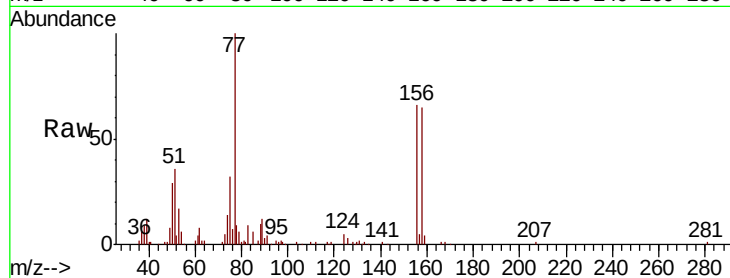
Tot Ion:156 Resp: 50253

Ion Ratio Lower Upper

156 100

77 186.1 115.8 347.4

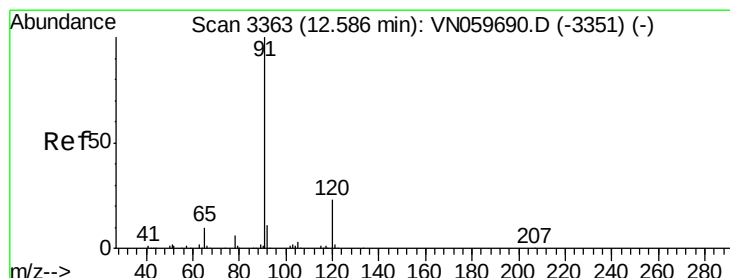
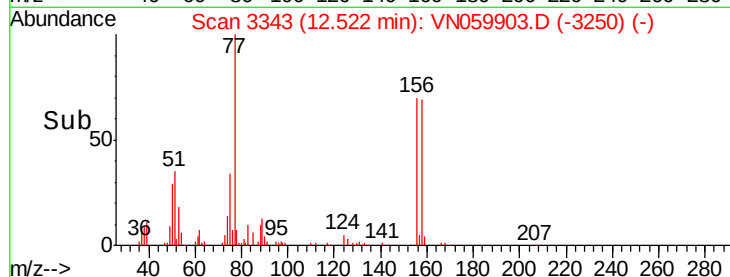
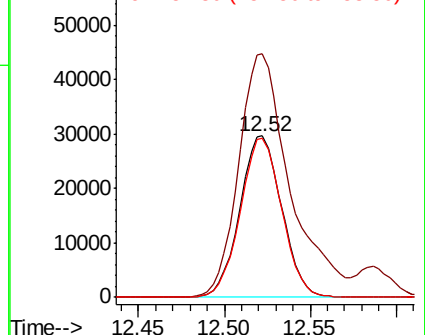
158 97.3 49.2 147.6



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: 20.165 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059903.D

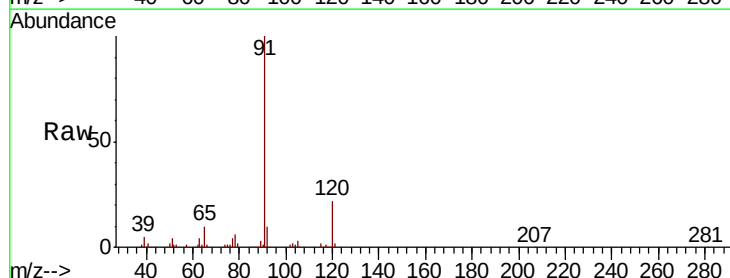
Acq: 29 Jan 2020 11:28

Tgt Ion: 91 Resp: 215706

Ion Ratio Lower Upper

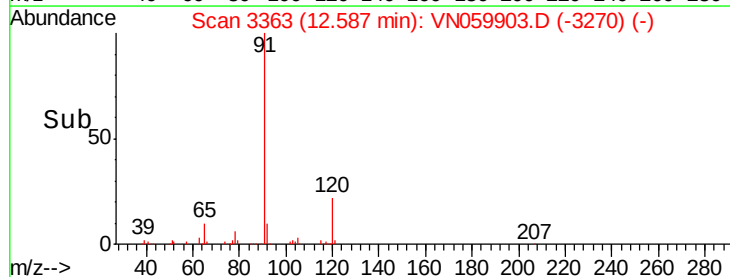
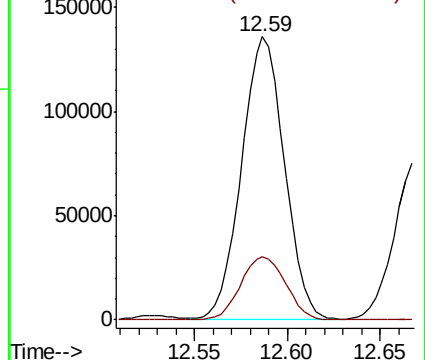
91 100

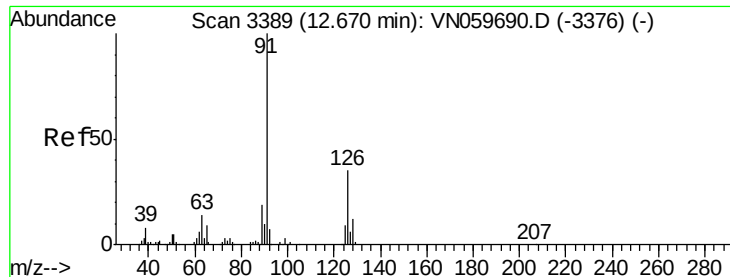
120 23.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.080 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

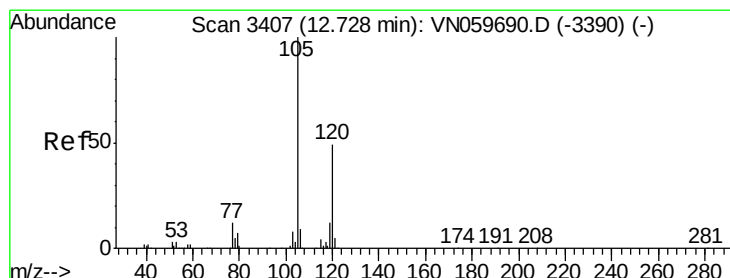
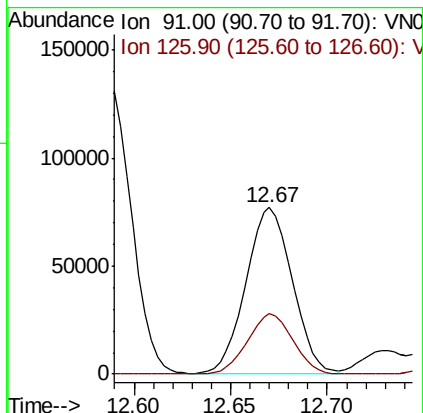
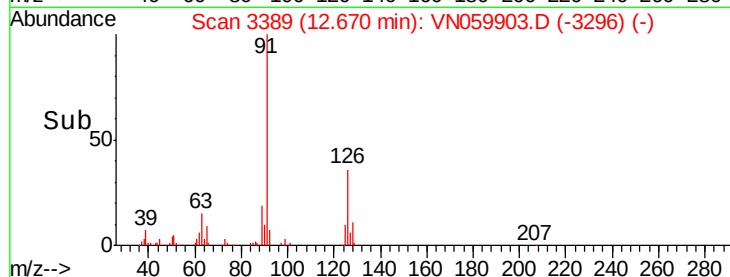
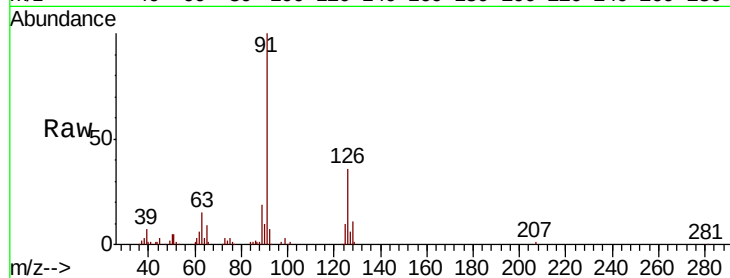
ClientSampled :

Tot Ion: 91 Resp: 127786

Ion Ratio Lower Upper

91 100

126 35.6 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 20.434 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059903.D

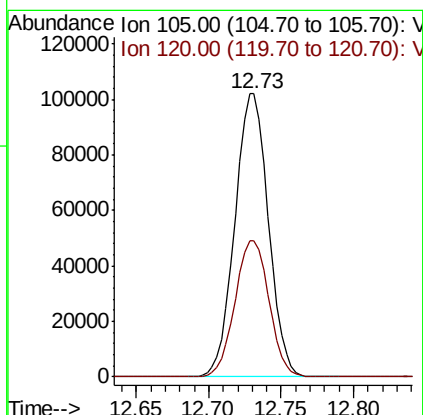
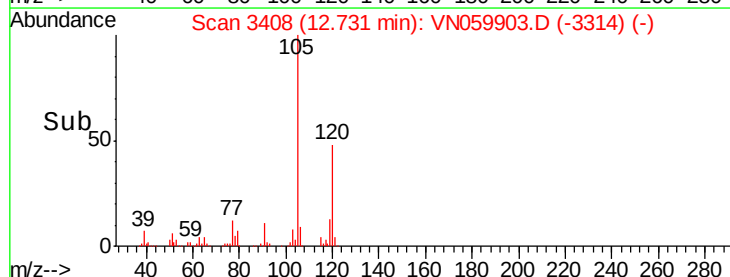
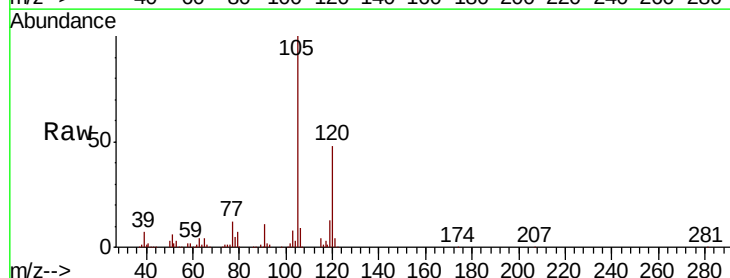
Acq: 29 Jan 2020 11:28

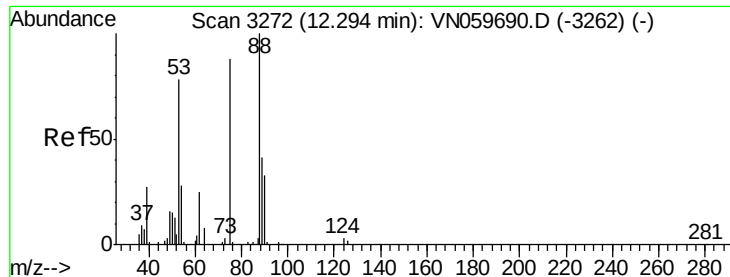
Tgt Ion: 105 Resp: 163783

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.4

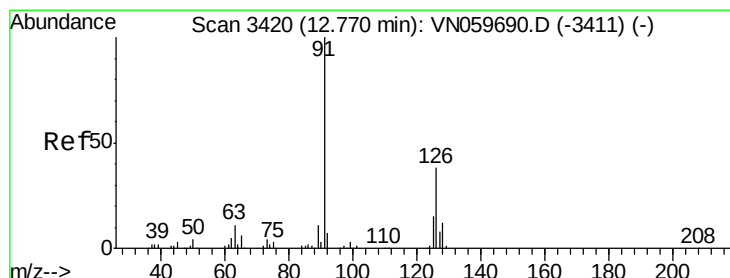
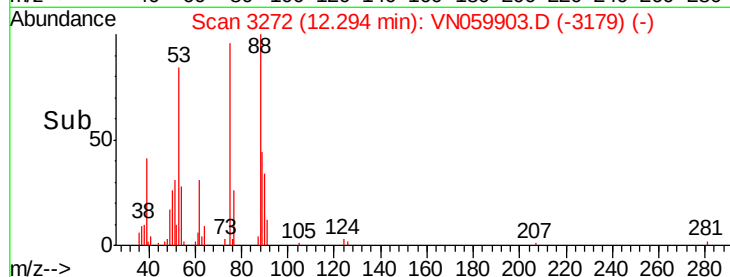
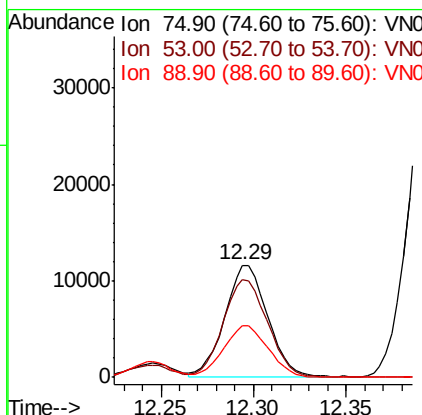
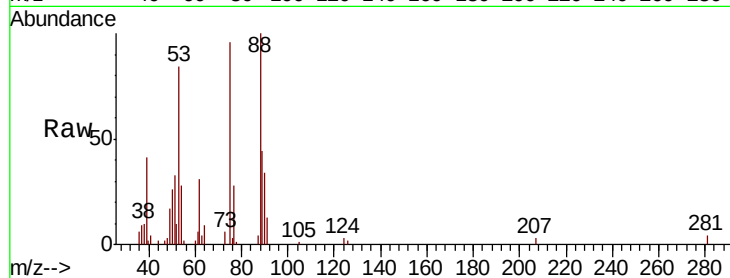




#81
trans-1,4-Dichloro-2-butene
Concen: 18.384 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

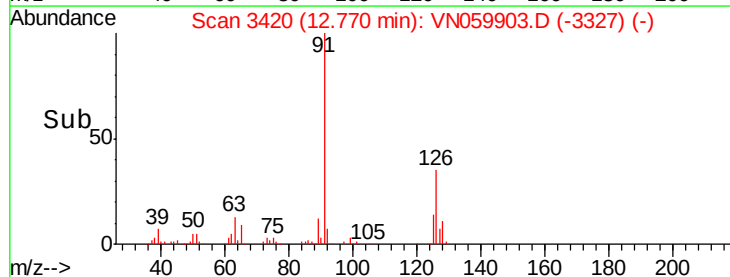
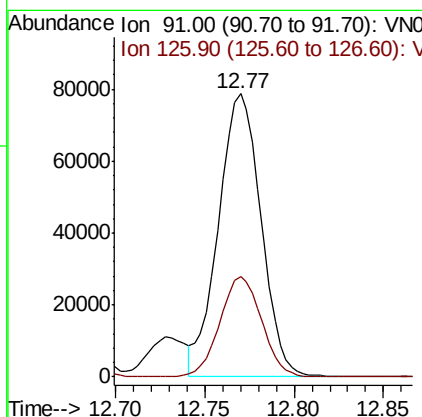
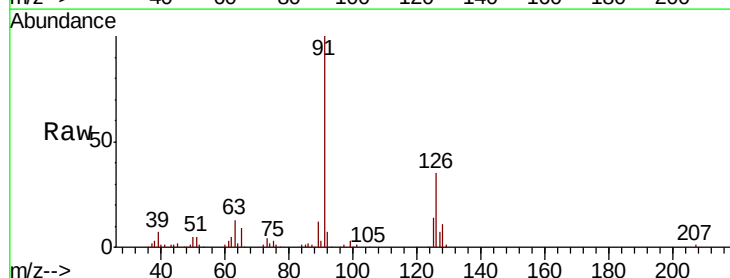
Instrument :
MSVOA_N
ClientSampled :

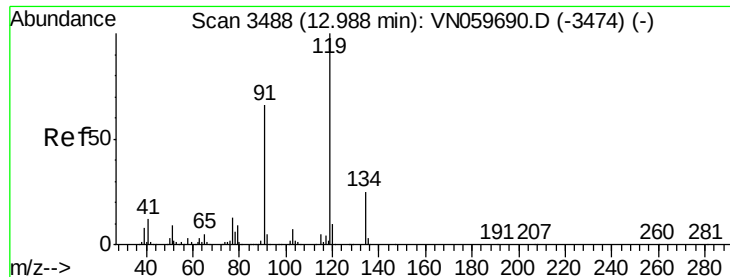
Tot Ion: 75 Resp: 18722
Ion Ratio Lower Upper
75 100
53 90.4 78.1 117.1
89 47.8 35.4 53.2



#82
4-Chlorotoluene
Concen: 20.232 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion: 91 Resp: 129142
Ion Ratio Lower Upper
91 100
126 35.1 16.3 48.8





#83

tert-Butylbenzene

Concen: 20.421 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

ClientSampled :

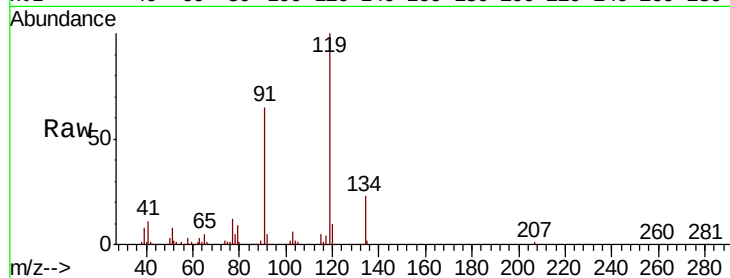
Tot Ion:119 Resp: 141560

Ion Ratio Lower Upper

119 100

91 63.9 34.8 104.4

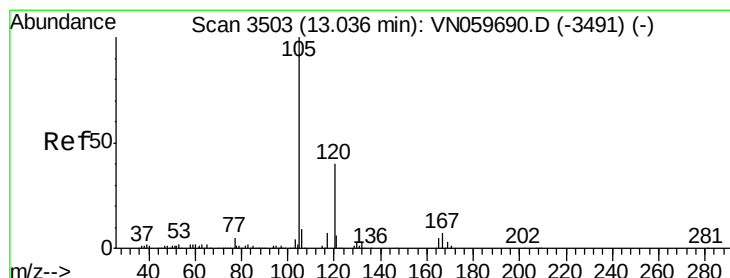
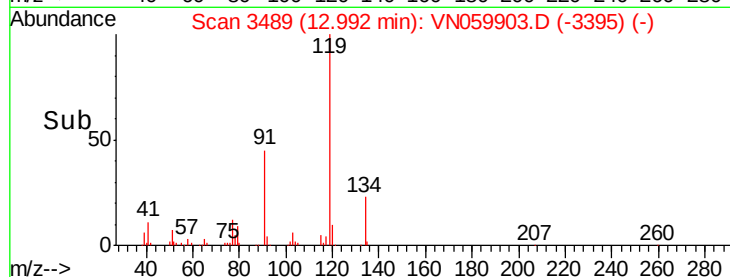
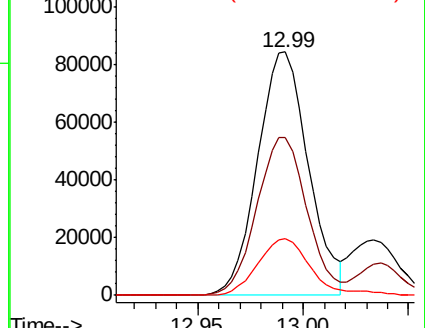
134 24.5 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.476 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN059903.D

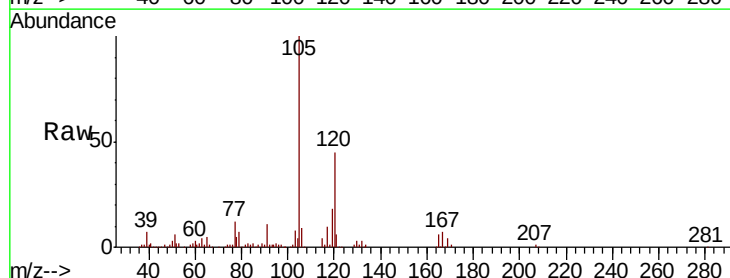
Acq: 29 Jan 2020 11:28

Tgt Ion:105 Resp: 162370

Ion Ratio Lower Upper

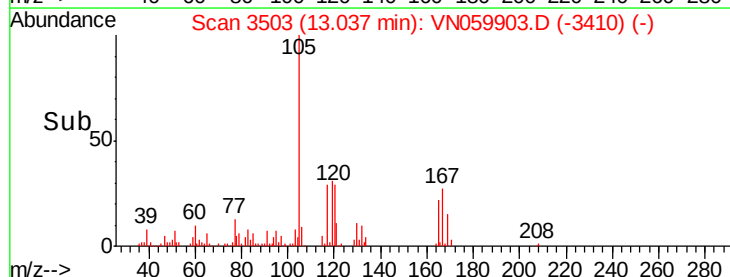
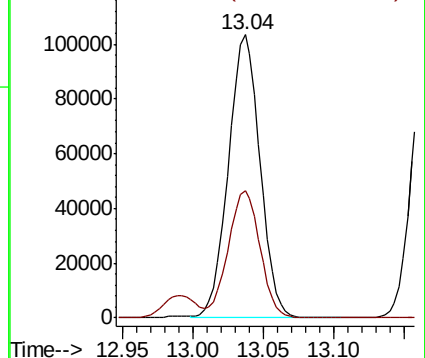
105 100

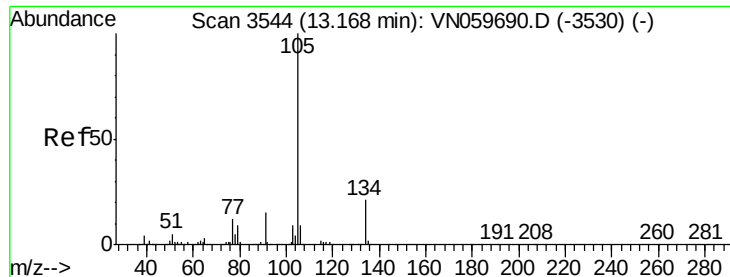
120 45.3 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.246 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

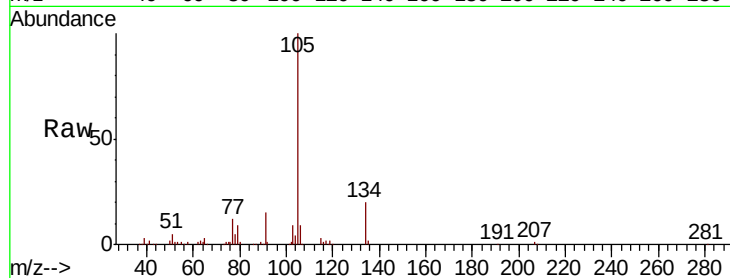
ClientSampleId :

Tot Ion:105 Resp: 184401

Ion Ratio Lower Upper

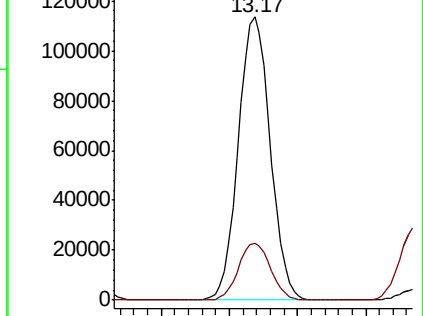
105 100

134 20.2 9.8 29.5

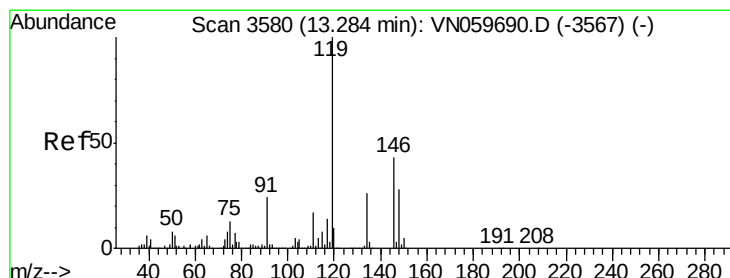
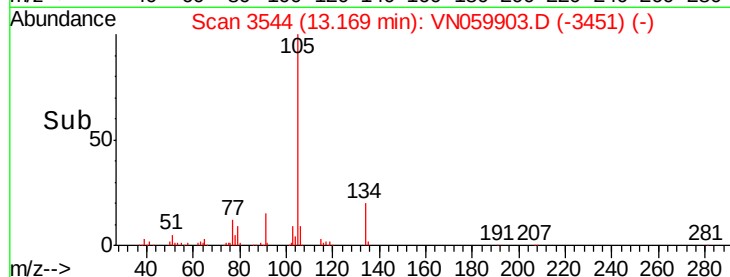


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.227 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

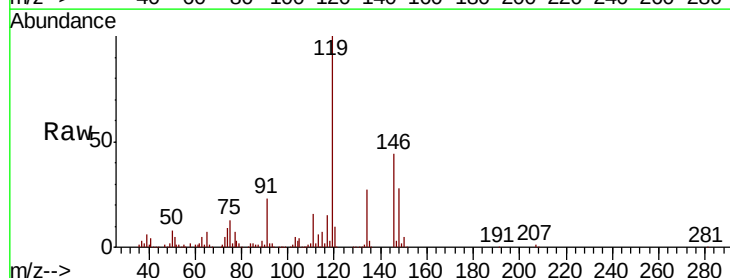
Tgt Ion:119 Resp: 170464

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.7

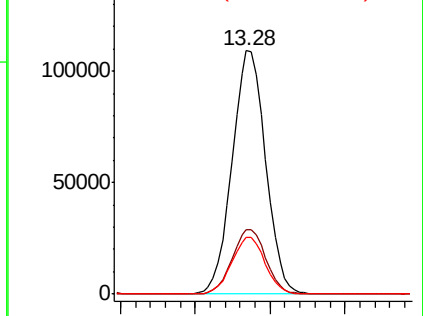
91 23.4 12.4 37.4



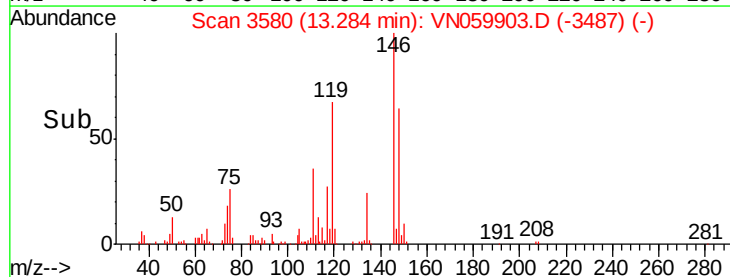
Abundance Ion 119.00 (118.70 to 119.70): V

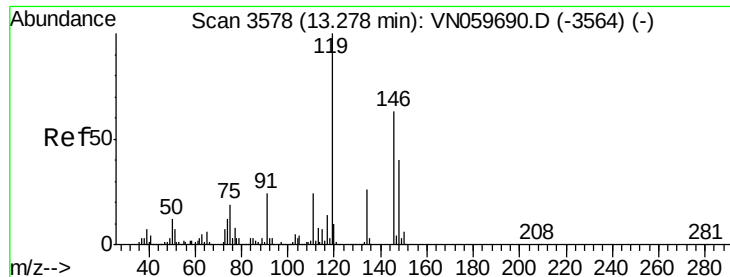
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->

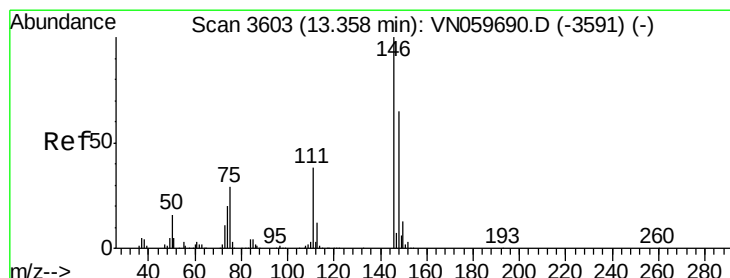
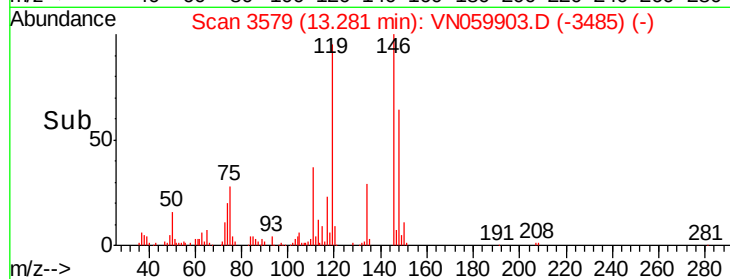
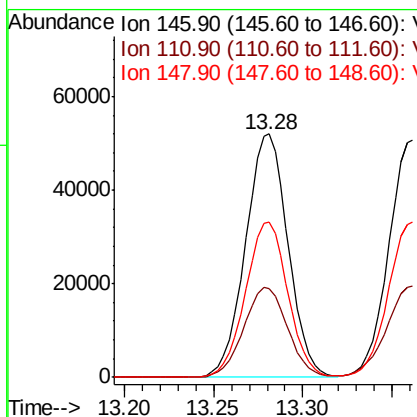
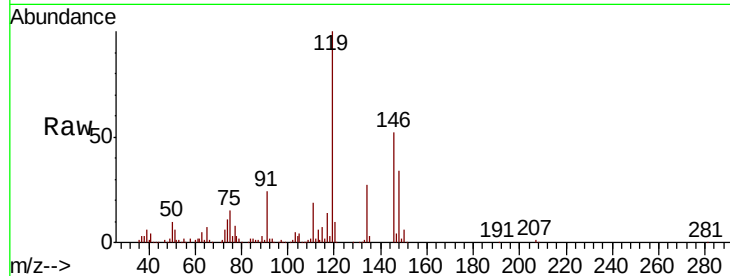




#87
 1,3-Dichlorobenzene
 Concen: 20.635 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059903.D
 Acq: 29 Jan 2020 11:28

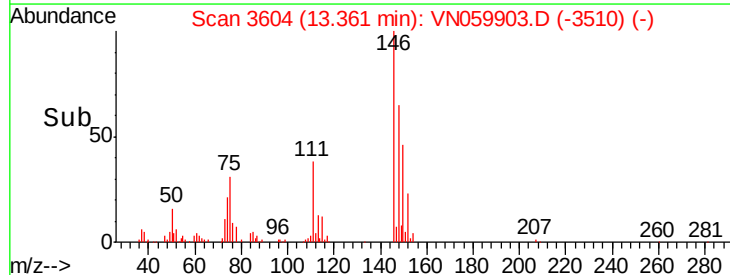
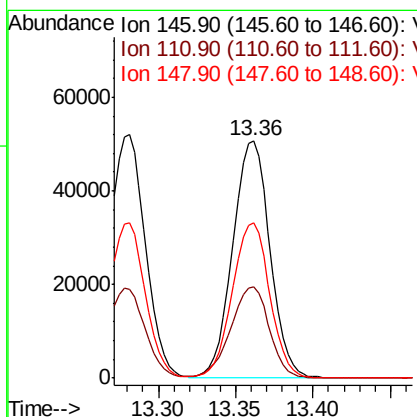
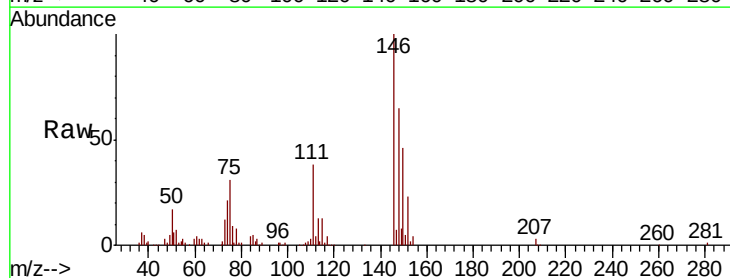
Instrument :
 MSVOA_N
 ClientSampleId :

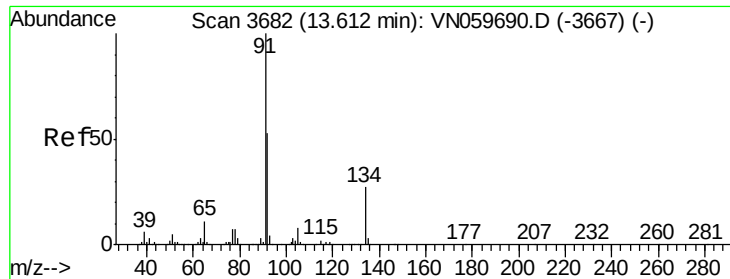
Tot Ion:146 Resp: 86509
 Ion Ratio Lower Upper
 146 100
 111 37.9 20.8 62.2
 148 63.8 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.295 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059903.D
 Acq: 29 Jan 2020 11:28

Tgt Ion:146 Resp: 84879
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.8 62.2
 148 65.5 31.8 95.4





#89

n-Butylbenzene

Concen: 19.698 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

ClientSampled :

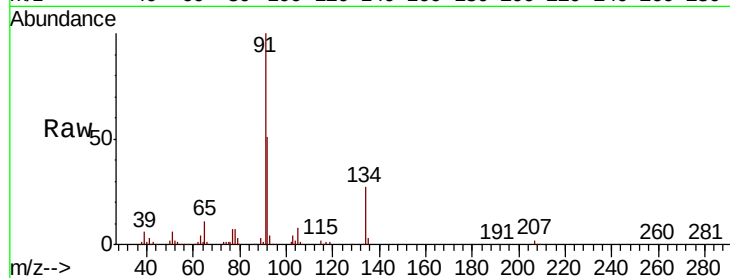
Tot Ion: 91 Resp: 141541

Ion Ratio Lower Upper

91 100

92 51.9 25.9 77.7

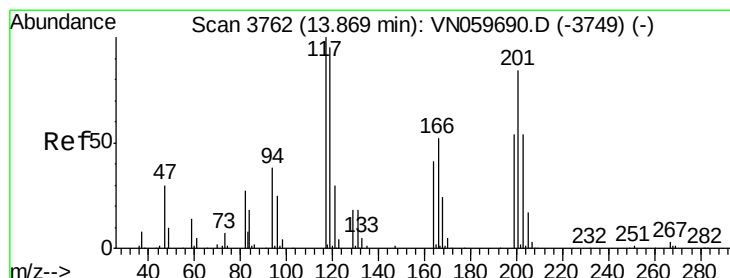
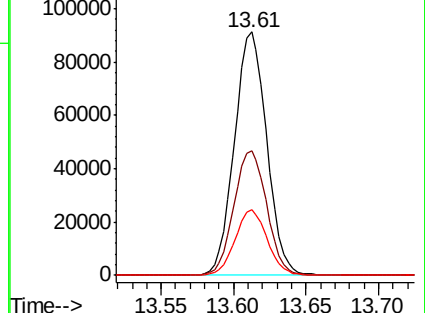
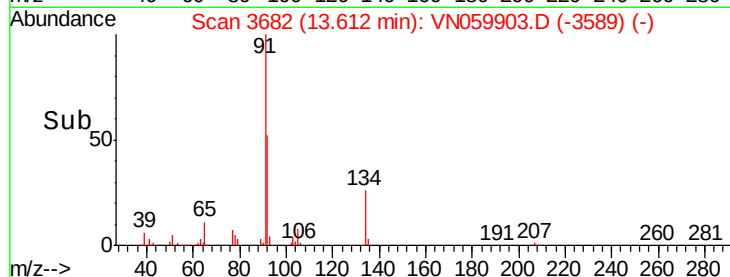
134 26.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059903.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059903.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059903.D (-3669) (-)



#90

Hexachloroethane

Concen: 19.038 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059903.D

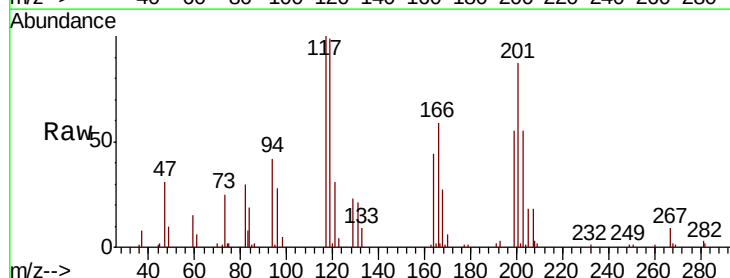
Acq: 29 Jan 2020 11:28

Tgt Ion: 117 Resp: 30018

Ion Ratio Lower Upper

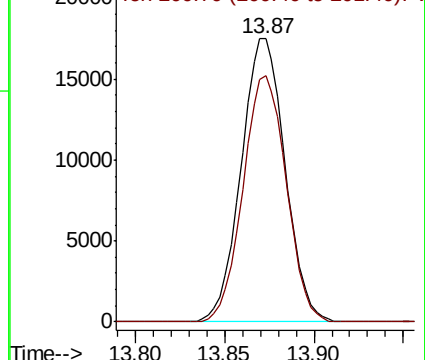
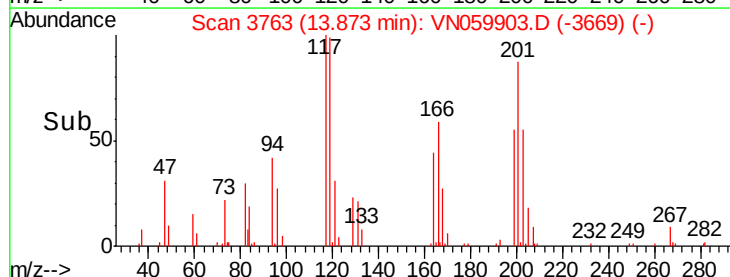
117 100

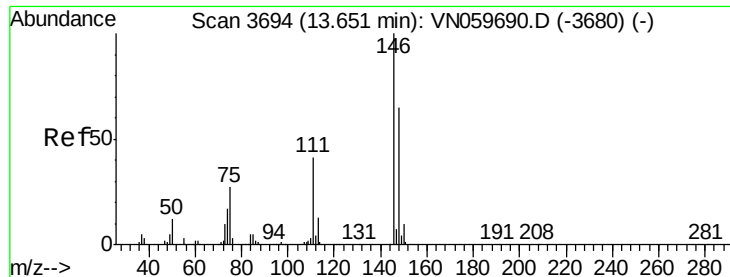
201 85.4 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059903.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN059903.D (-3669) (-)





#91

1,2-Dichlorobenzene

Concen: 20.541 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

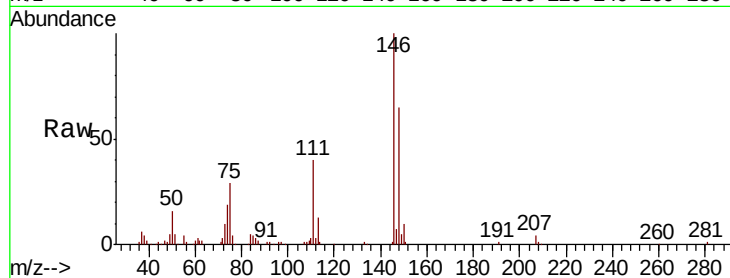
Tot Ion:146 Resp: 85137

Ion Ratio Lower Upper

146 100

111 39.4 21.6 64.8

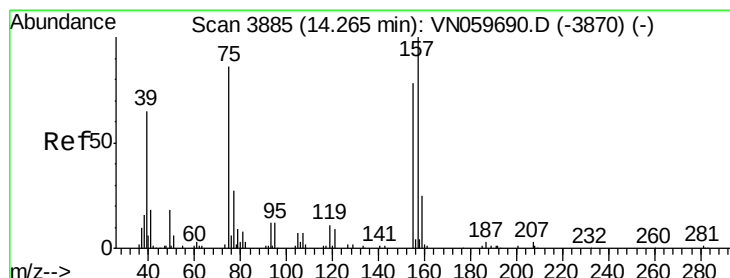
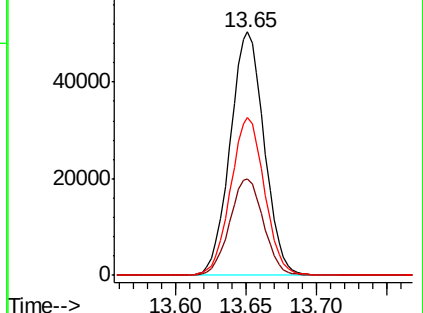
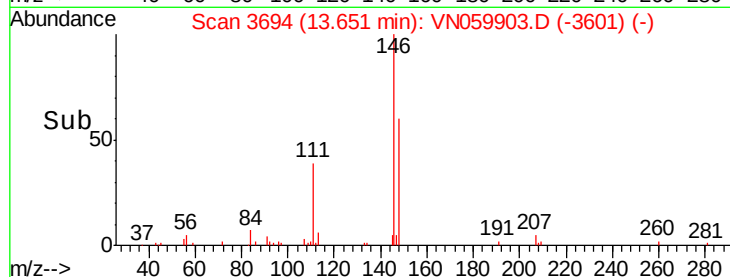
148 64.3 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.685 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

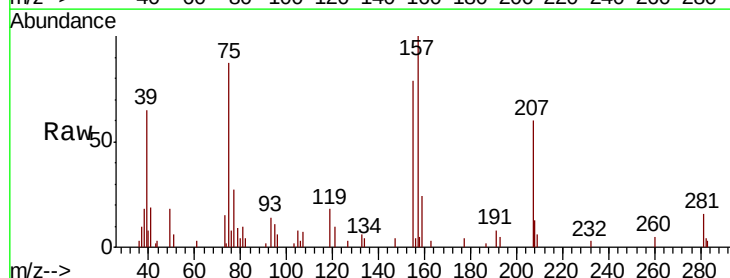
Tgt Ion: 75 Resp: 11288

Ion Ratio Lower Upper

75 100

155 87.5 37.0 110.9

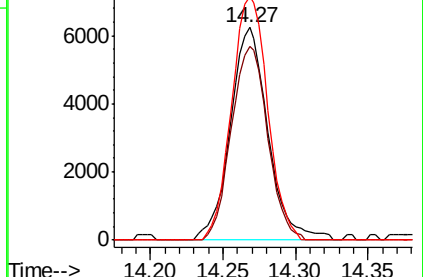
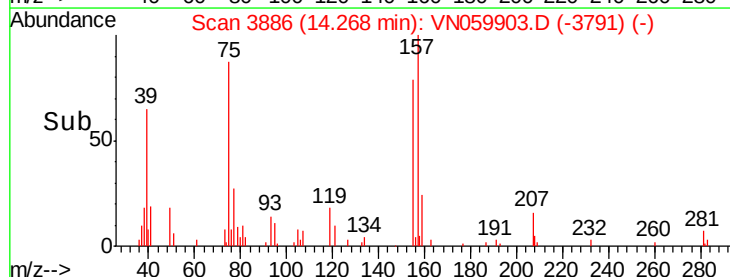
157 109.2 48.4 145.2

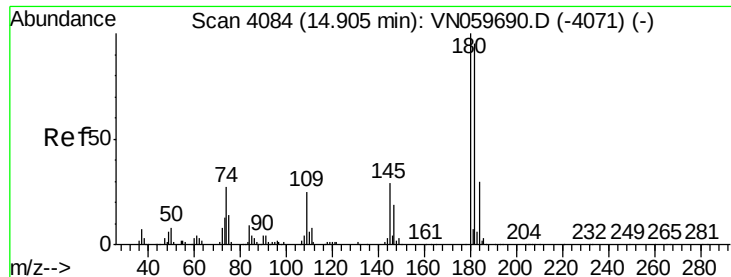


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.246 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

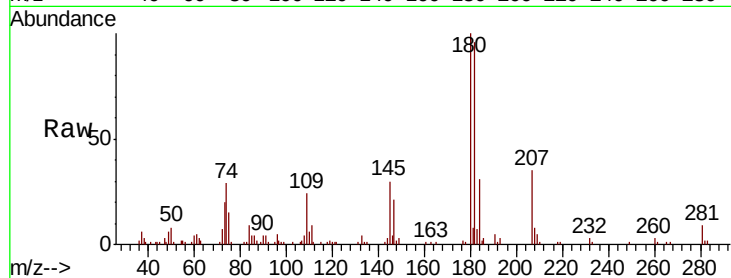
Tot Ion:180 Resp: 47932

Ion Ratio Lower Upper

180 100

182 97.4 46.9 140.7

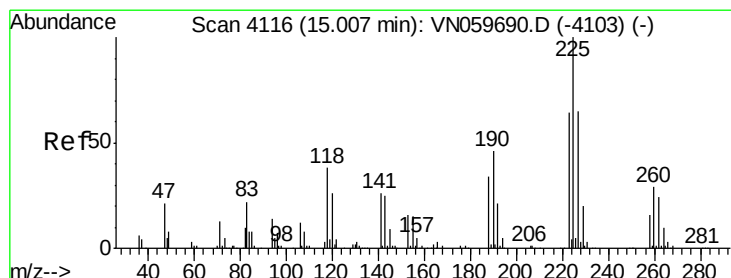
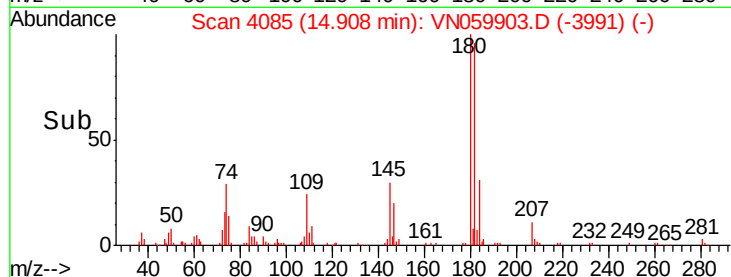
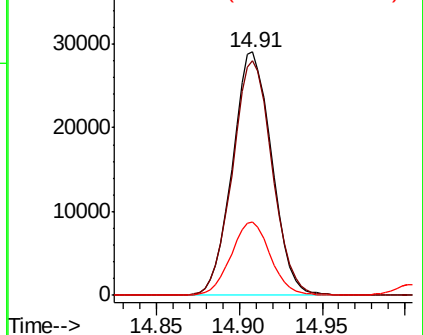
145 30.1 15.0 45.1



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: 19.784 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059903.D

Acq: 29 Jan 2020 11:28

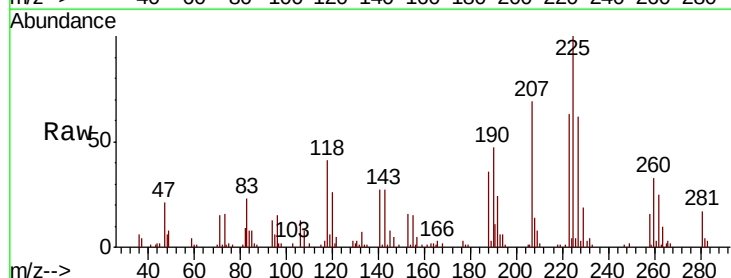
Tgt Ion:225 Resp: 27151

Ion Ratio Lower Upper

225 100

223 63.2 31.8 95.3

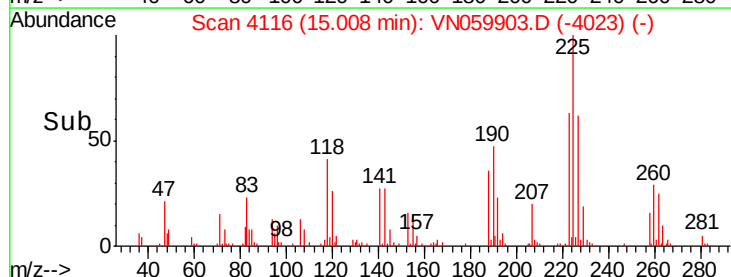
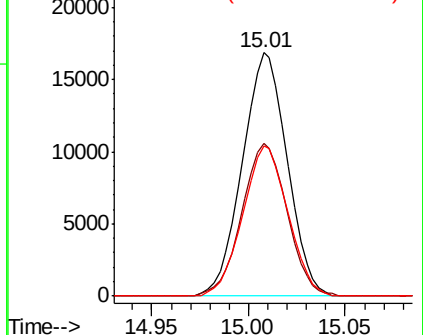
227 62.0 32.1 96.5

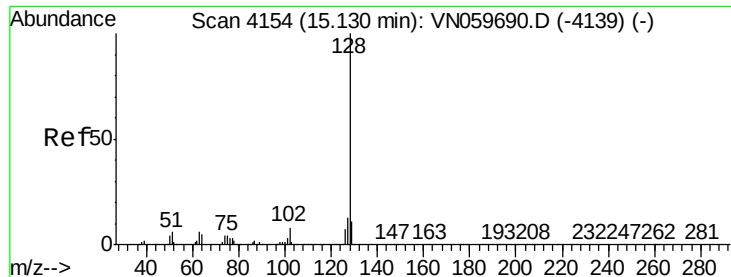


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

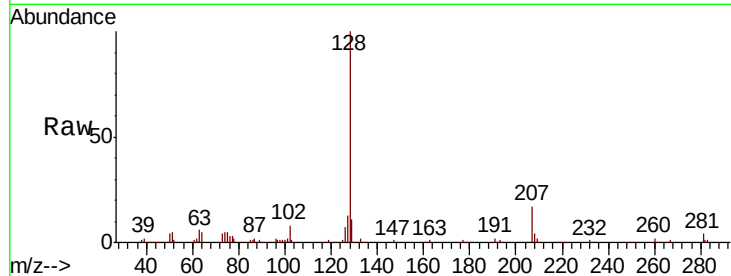




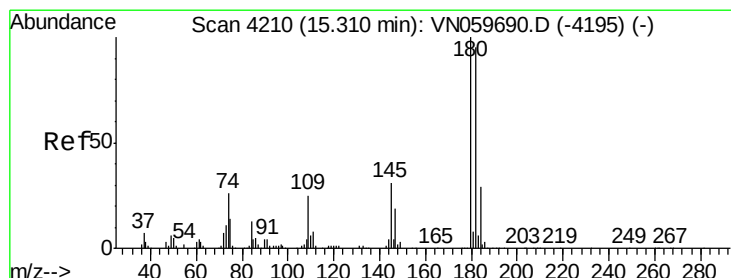
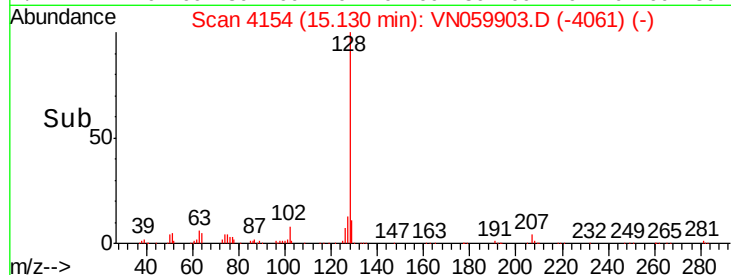
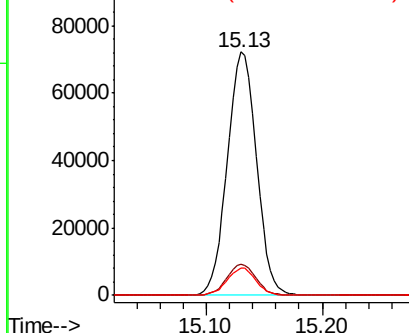
#95
Naphthalene
Concen: 17.768 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 125861
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.8 8.6 12.8

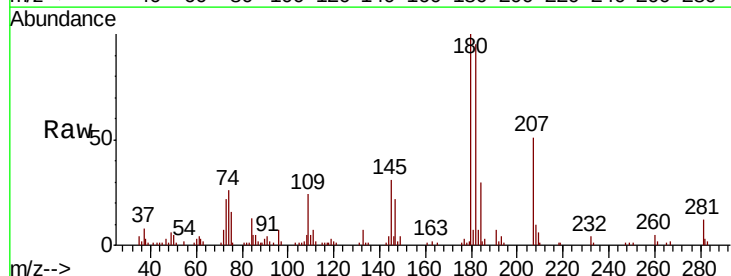


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.566 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN059903.D
Acq: 29 Jan 2020 11:28

Tgt Ion:180 Resp: 47431
Ion Ratio Lower Upper
180 100
182 93.0 47.4 142.3
145 32.4 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

