

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110119\
 Data File : VN059052.D
 Acq On : 1 Nov 2019 10:47
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:20:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:16:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	416556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	654787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	584788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	238057	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	27036	4.52	ug/l	0.00
Spiked Amount			Recovery	=	9.04%	
35) Dibromofluoromethane	7.57	113	20870	4.87	ug/l	0.00
Spiked Amount			Recovery	=	9.74%	
50) Toluene-d8	10.08	98	76126	4.55	ug/l	0.00
Spiked Amount			Recovery	=	9.10%	
62) 4-Bromofluorobenzene	12.40	95	24919	4.07	ug/l	0.00
Spiked Amount			Recovery	=	8.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	23317	4.628	ug/l	96
3) Chloromethane	2.04	50	31685	5.007	ug/l	97
4) Vinyl Chloride	2.17	62	31081	4.967	ug/l	100
5) Bromomethane	2.54	94	20473	5.318	ug/l	94
6) Chloroethane	2.68	64	18724	4.710	ug/l	97
7) Trichlorofluoromethane	3.00	101	37504	4.878	ug/l	96
8) Diethyl Ether	3.39	74	14255	5.214	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	21402	4.932	ug/l	98
10) Methyl Iodide	3.93	142	21077	3.766	ug/l	99
11) Tert butyl alcohol	4.75	59	27921	27.589	ug/l	99
12) 1,1-Dichloroethene	3.71	96	21138	5.182	ug/l	97
13) Acrolein	3.58	56	13067	19.141	ug/l	100
14) Allyl chloride	4.29	41	37948	4.607	ug/l	90
15) Acrylonitrile	4.96	53	61024	24.137	ug/l	97
16) Acetone	3.79	43	67692	22.934	ug/l	93
17) Carbon Disulfide	4.03	76	66437	5.079	ug/l	98
18) Methyl Acetate	4.30	43	35318	5.169	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	68149	4.801	ug/l	99
20) Methylene Chloride	4.52	84	25520	4.995	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	22825	5.091	ug/l	94
22) Diisopropyl ether	5.92	45	78104	4.874	ug/l	91
23) Vinyl Acetate	5.87	43	312164	24.370	ug/l	99
24) 1,1-Dichloroethane	5.82	63	46621	5.017	ug/l	98
25) 2-Butanone	6.81	43	89696	23.263	ug/l	99
26) 2,2-Dichloropropane	6.79	77	40630	5.073	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	25193	4.928	ug/l	95
28) Bromochloromethane	7.17	49	15094	4.951	ug/l	94
29) Tetrahydrofuran	7.19	42	57312	24.239	ug/l	99
30) Chloroform	7.35	83	43063	4.650	ug/l	98
31) Cyclohexane	7.63	56	47591	5.507	ug/l #	85
32) 1,1,1-Trichloroethane	7.55	97	37457	4.810	ug/l	98
36) 1,1-Dichloropropene	7.77	75	32726	4.963	ug/l	98
37) Ethyl Acetate	6.90	43	35234	4.895	ug/l	99
38) Carbon Tetrachloride	7.75	117	32868	4.846	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110119\
 Data File : VN059052.D
 Acq On : 1 Nov 2019 10:47
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:20:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:16:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	36749	4.921	ug/l	97
40) Benzene	8.02	78	99587	5.122	ug/l	97
41) Methacrylonitrile	7.19	41	53603	16.435	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	34877	4.728	ug/l	98
43) Isopropyl Acetate	8.15	43	55945	4.837	ug/l	98
44) Trichloroethene	8.82	130	24035	5.063	ug/l	96
45) 1,2-Dichloropropane	9.10	63	26607	4.994	ug/l	98
46) Dibromomethane	9.19	93	16884	5.033	ug/l	97
47) Bromodichloromethane	9.39	83	33072	4.794	ug/l	99
48) Methyl methacrylate	9.19	41	24064	4.615	ug/l	96
49) 1,4-Dioxane	9.18	88	7725	88.092	ug/l #	87
51) 4-Methyl-2-Pentanone	9.97	43	166837	24.814	ug/l	96
52) Toluene	10.15	92	55401	4.815	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	35517	4.638	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	38003	4.633	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	23595	4.970	ug/l	94
56) Ethyl methacrylate	10.42	69	30113	4.296	ug/l	91
57) 1,3-Dichloropropane	10.70	76	40925	4.932	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	58303	19.783	ug/l	99
59) 2-Hexanone	10.75	43	120443	23.223	ug/l	94
60) Dibromochloromethane	10.90	129	23652	4.635	ug/l	98
61) 1,2-Dibromoethane	11.00	107	22680	4.678	ug/l	97
64) Tetrachloroethene	10.63	164	20565	5.078	ug/l	95
65) Chlorobenzene	11.43	112	61251	5.196	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	21875	4.926	ug/l	94
67) Ethyl Benzene	11.51	91	103685	5.027	ug/l	98
68) m/p-Xylenes	11.62	106	73915	9.676	ug/l	99
69) o-Xylene	11.95	106	35526	4.863	ug/l	98
70) Styrene	11.96	104	53994	4.533	ug/l	99
71) Bromoform	12.13	173	15282	4.417	ug/l #	95
73) Isopropylbenzene	12.25	105	93800	5.438	ug/l	99
74) N-amyl acetate	12.07	43	36890	4.747	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	34649	5.714	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	43673	7.910	ug/l #	100
77) Bromobenzene	12.53	156	23045	5.412	ug/l	96
78) n-propylbenzene	12.59	91	106389	5.224	ug/l	98
79) 2-Chlorotoluene	12.68	91	67273	5.389	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	77782	5.385	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	10631	5.026	ug/l	93
82) 4-Chlorotoluene	12.78	91	66306	5.213	ug/l	99
83) tert-Butylbenzene	12.99	119	66349	5.364	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	75917	5.332	ug/l	99
85) sec-Butylbenzene	13.17	105	86873	5.279	ug/l	100
86) p-Isopropyltoluene	13.29	119	75429	5.187	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	39739	5.234	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	40416	5.320	ug/l	96
89) n-Butylbenzene	13.62	91	62073	4.675	ug/l	98
90) Hexachloroethane	13.88	117	16027	5.430	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	40561	5.446	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	6864	5.063	ug/l	86

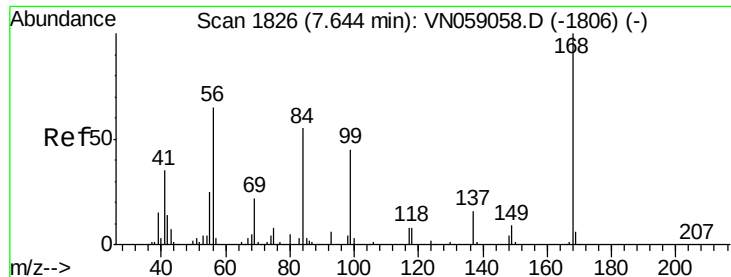
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110119\
Data File : VN059052.D
Acq On : 1 Nov 2019 10:47
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 02 05:20:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:16:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	17052	4.171	ug/l	96
94) Hexachlorobutadiene	15.01	225	13581	5.597	ug/l	94
95) Naphthalene	15.13	128	42069	3.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	17830	4.431	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

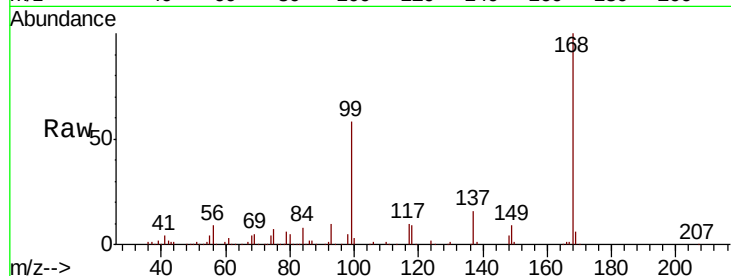
ClientSampled :

Tot Ion:168 Resp: 416556

Ion Ratio Lower Upper

168 100

99 57.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

100000

50000

0

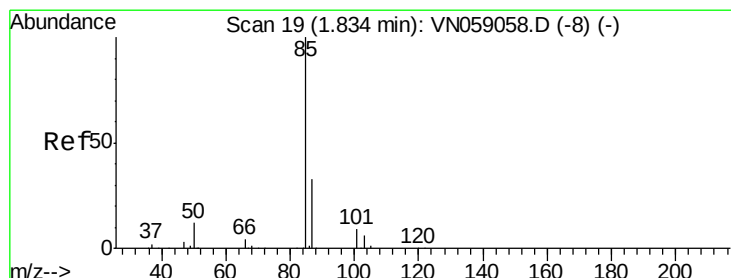
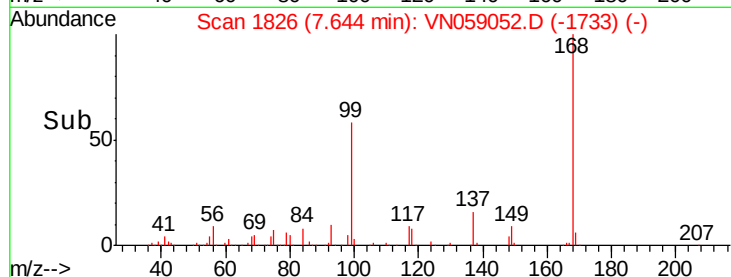
7.50

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.628 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059052.D

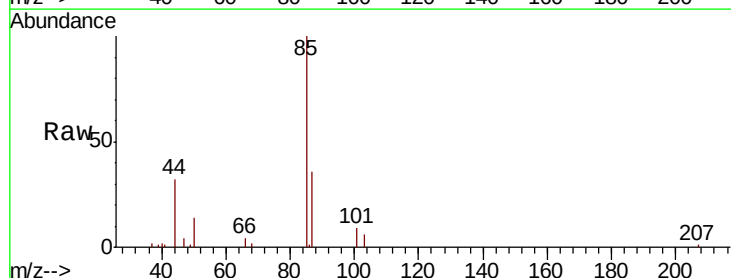
Acq: 1 Nov 2019 10:47

Tgt Ion: 85 Resp: 23317

Ion Ratio Lower Upper

85 100

87 35.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

15000

10000

5000

0

1.75

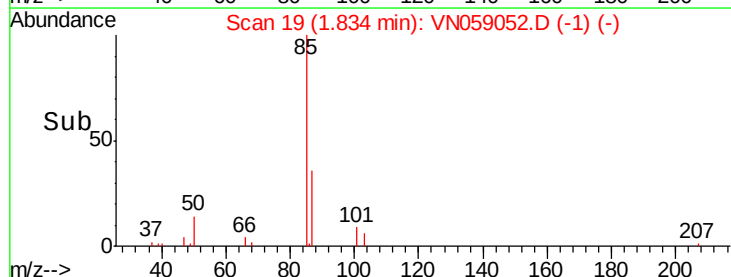
1.80

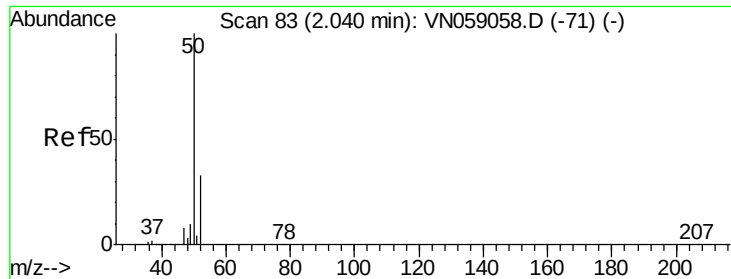
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 5.007 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

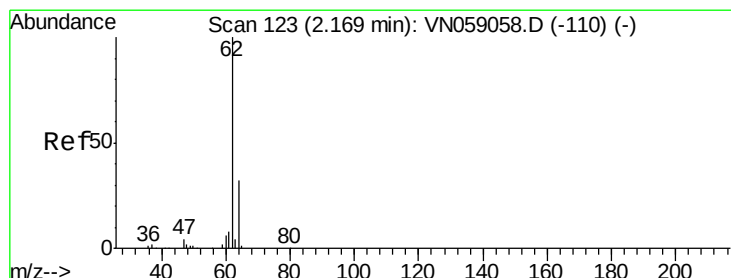
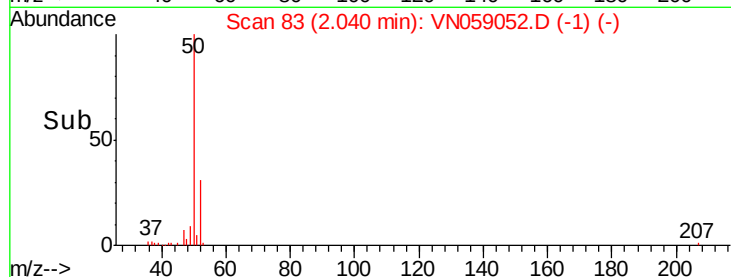
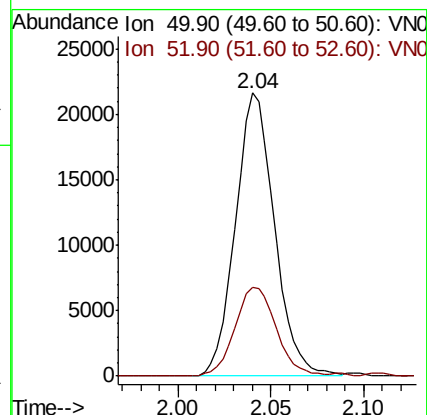
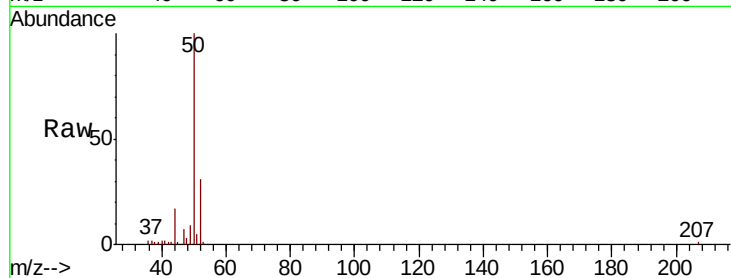
ClientSampleId :

Tot Ion: 50 Resp: 31685

Ion Ratio Lower Upper

50 100

52 31.4 26.3 39.5



#4

Vinyl Chloride

Concen: 4.967 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059052.D

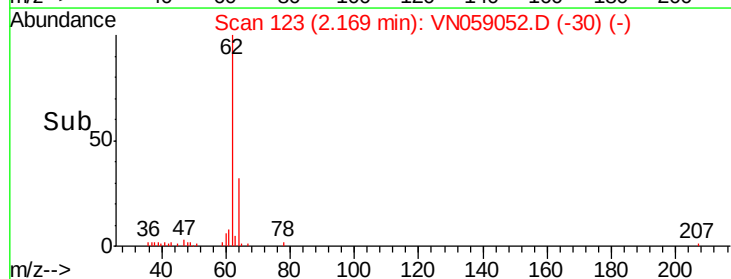
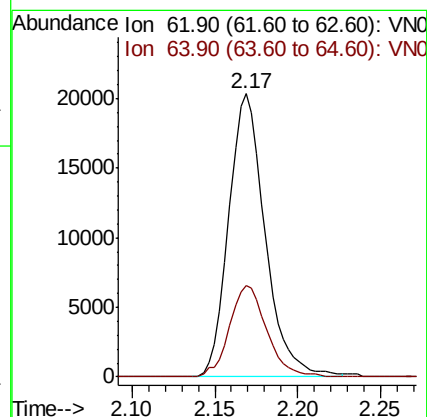
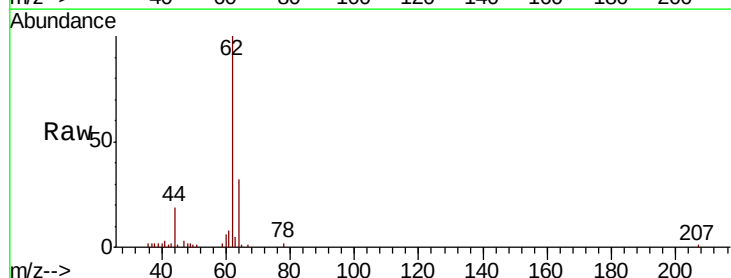
Acq: 1 Nov 2019 10:47

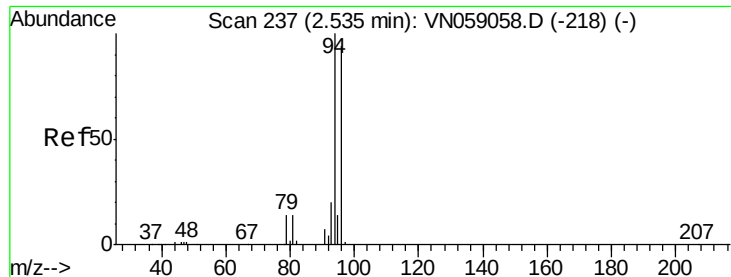
Tgt Ion: 62 Resp: 31081

Ion Ratio Lower Upper

62 100

64 32.4 25.8 38.8





#5

Bromomethane

Concen: 5.318 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

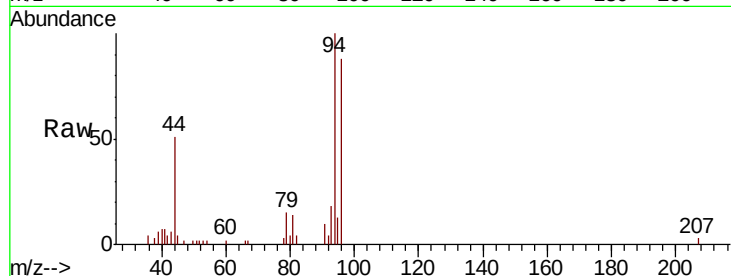
ClientSampled :

Tot Ion: 94 Resp: 20473

Ion Ratio Lower Upper

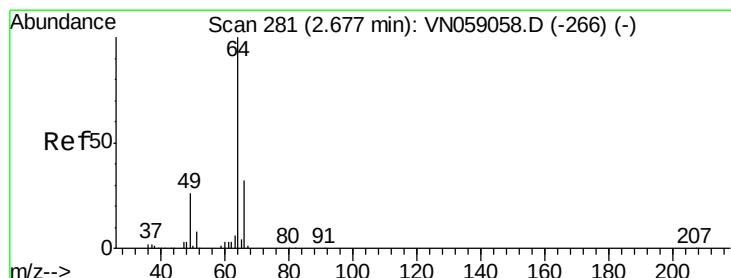
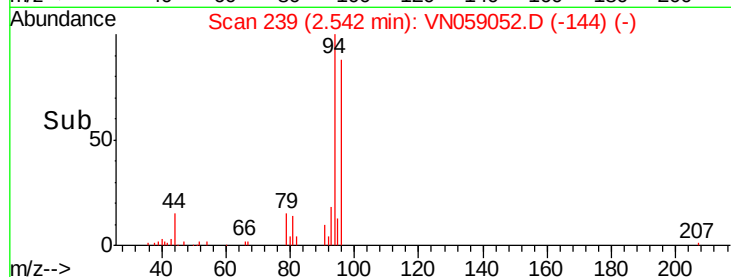
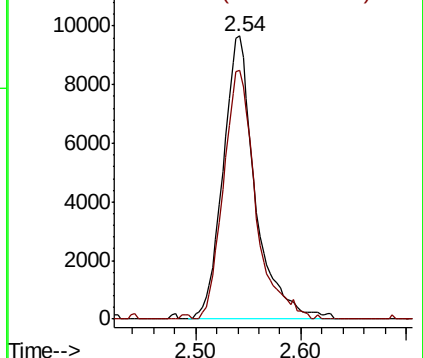
94 100

96 87.7 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 4.710 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059052.D

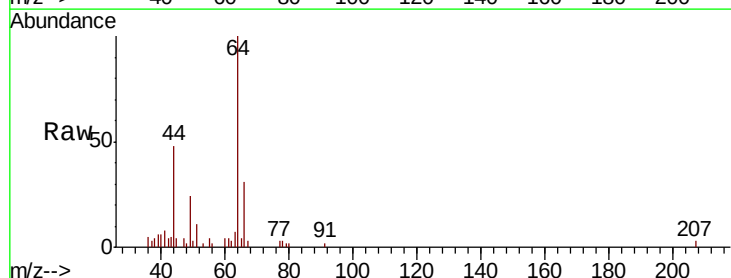
Acq: 1 Nov 2019 10:47

Tgt Ion: 64 Resp: 18724

Ion Ratio Lower Upper

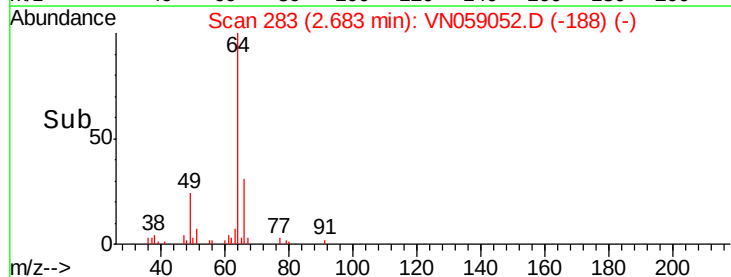
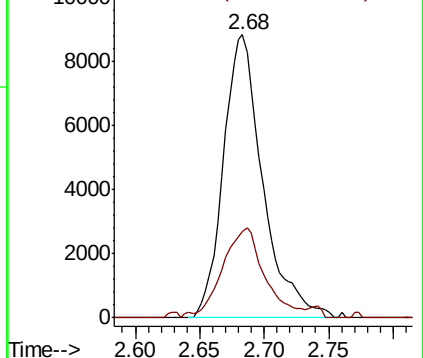
64 100

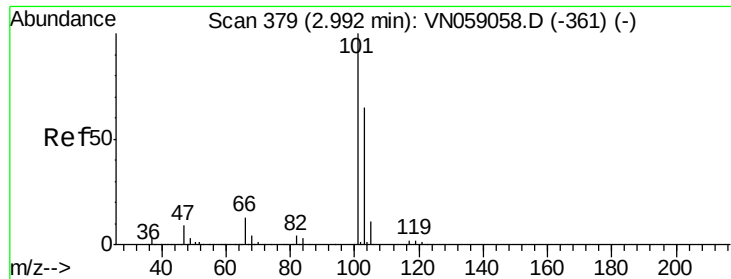
66 30.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



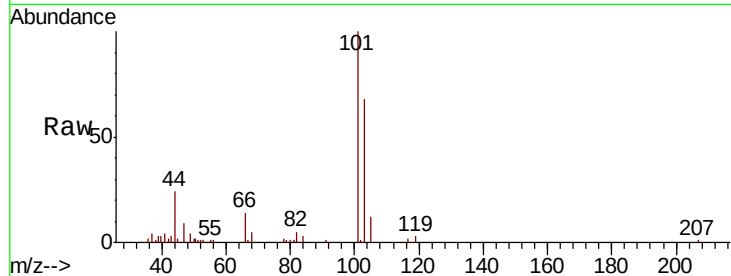


#7

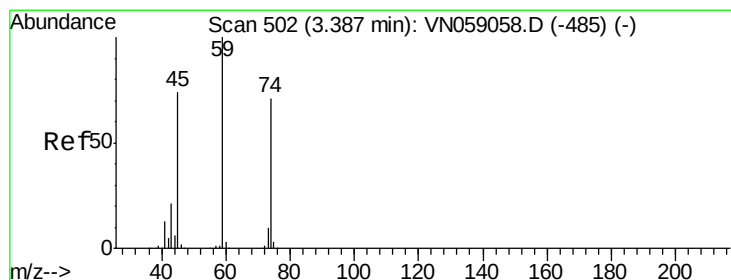
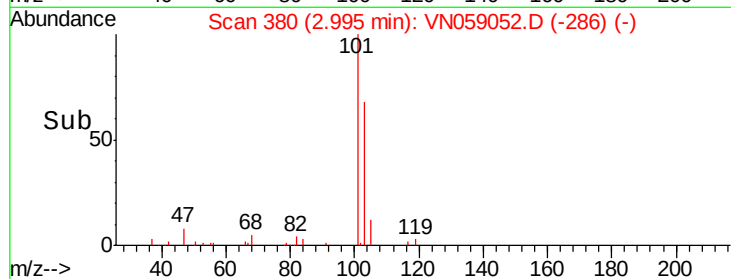
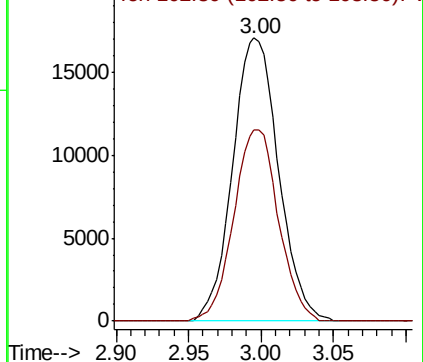
Trichlorofluoromethane
 Concen: 4.878 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:101 Resp: 37504
 Ion Ratio Lower Upper
 101 100
 103 67.7 51.7 77.5



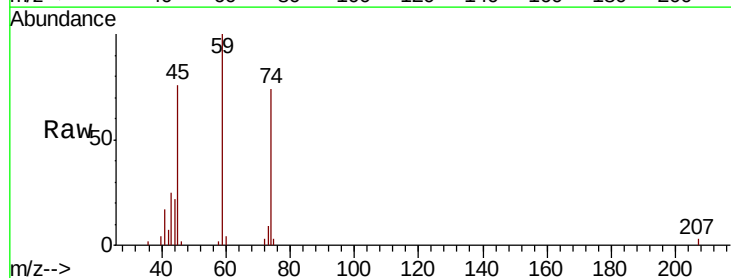
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



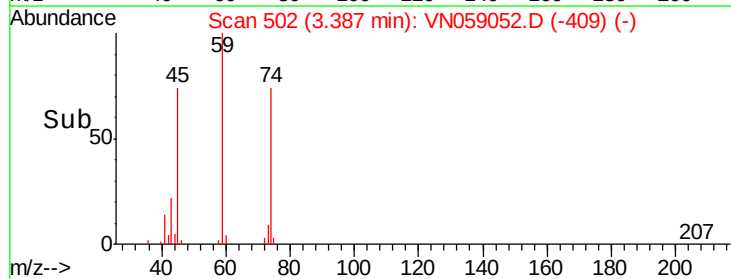
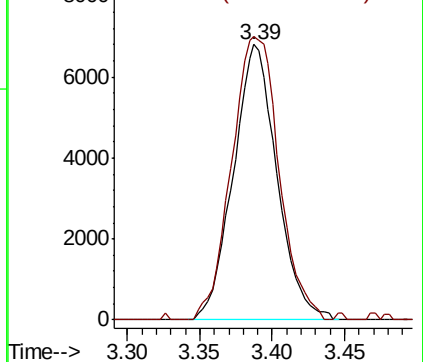
#8

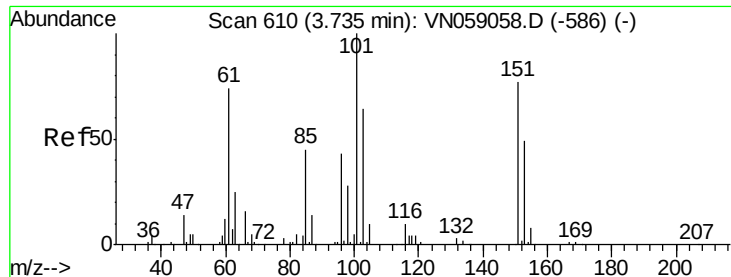
Diethyl Ether
 Concen: 5.214 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion: 74 Resp: 14255
 Ion Ratio Lower Upper
 74 100
 45 111.8 52.8 158.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.932 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

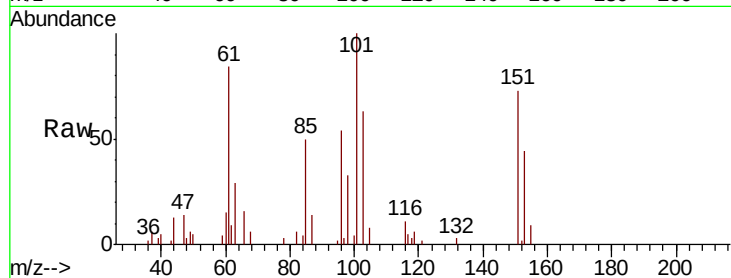
Tot Ion:101 Resp: 21402

Ion Ratio Lower Upper

101 100

85 47.5 35.0 52.6

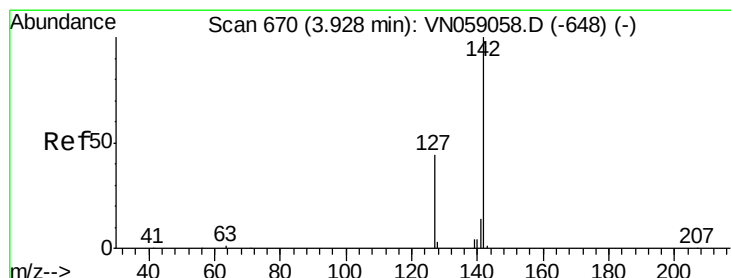
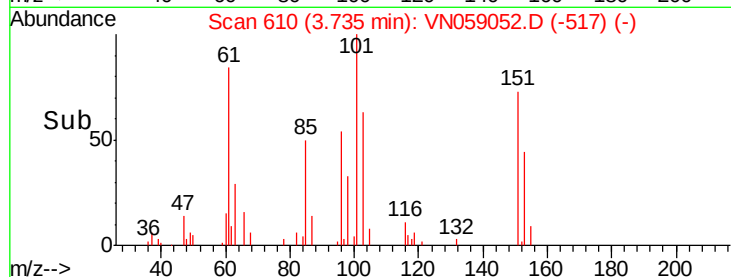
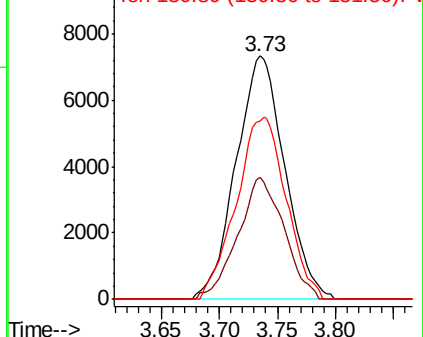
151 76.4 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.766 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

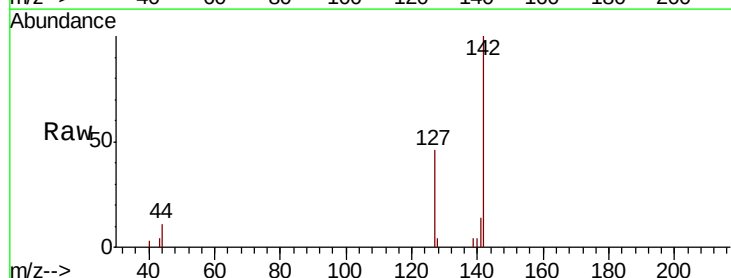
Tgt Ion:142 Resp: 21077

Ion Ratio Lower Upper

142 100

127 43.4 34.2 51.2

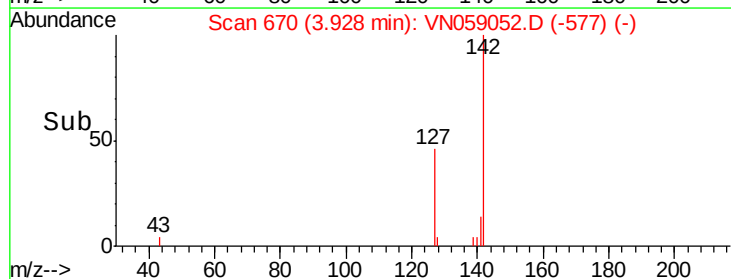
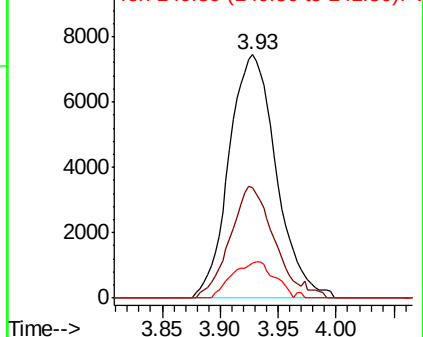
141 13.3 11.1 16.7

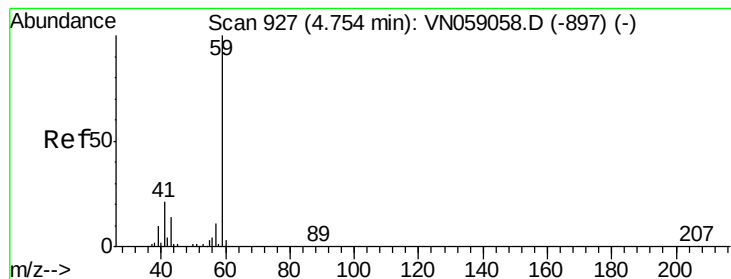


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



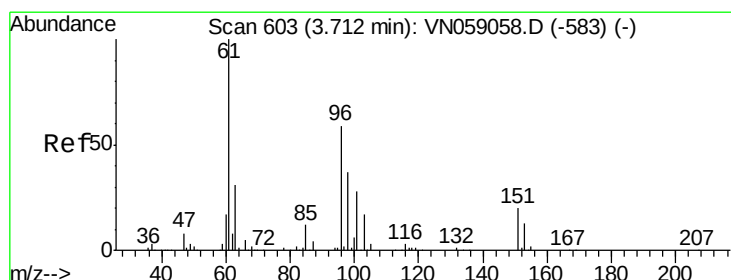
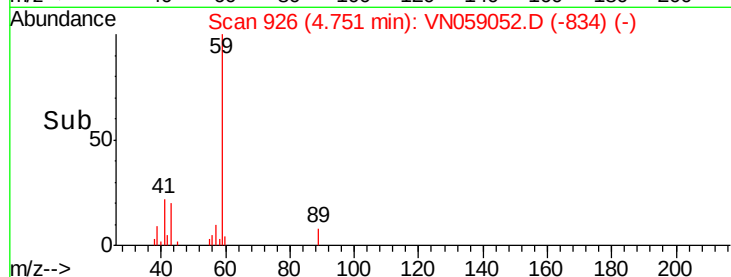
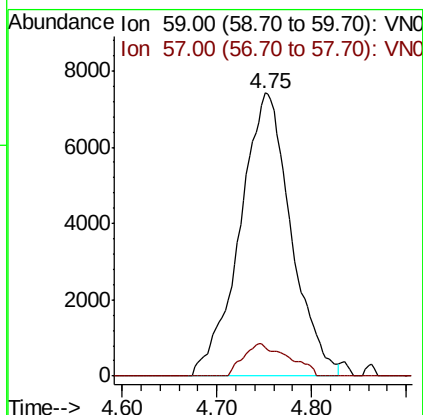
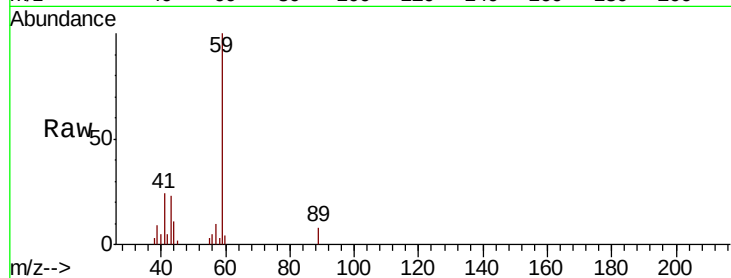


#11

Tert butyl alcohol
 Concen: 27.589 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :

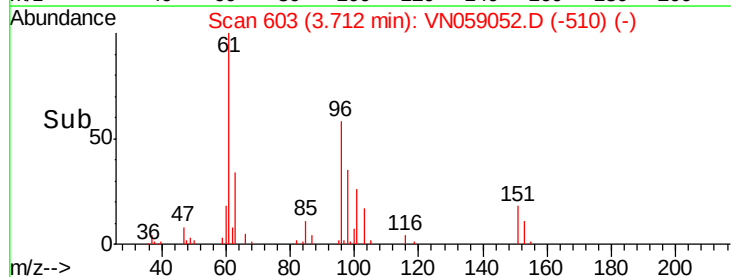
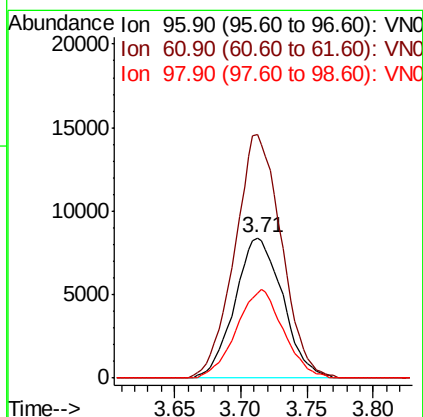
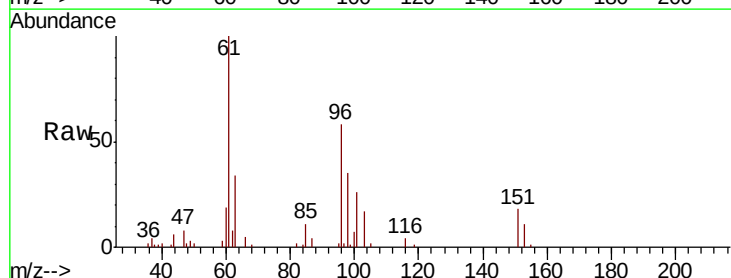
Tot Ion: 59 Resp: 27921
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

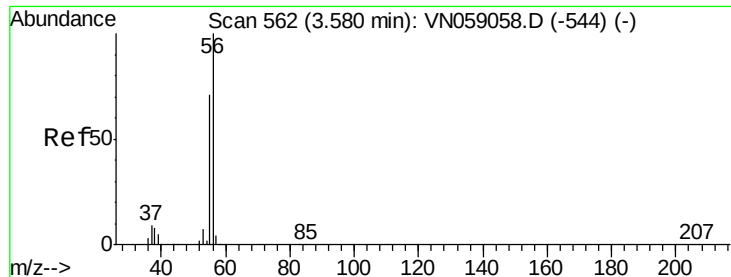


#12

1,1-Dichloroethene
 Concen: 5.182 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion: 96 Resp: 21138
 Ion Ratio Lower Upper
 96 100
 61 173.5 135.3 202.9
 98 60.1 49.4 74.2





#13

Acrolein

Concen: 19.141 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

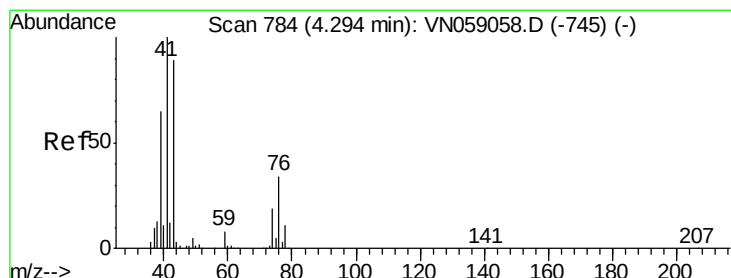
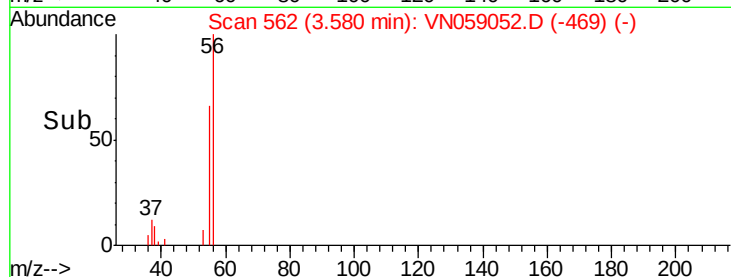
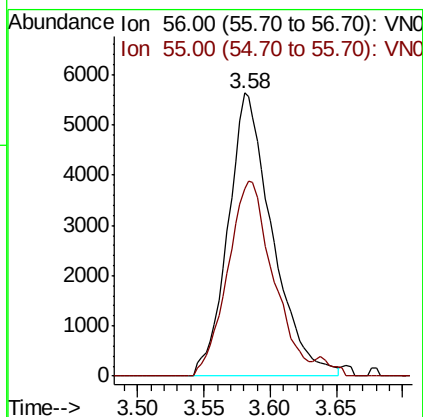
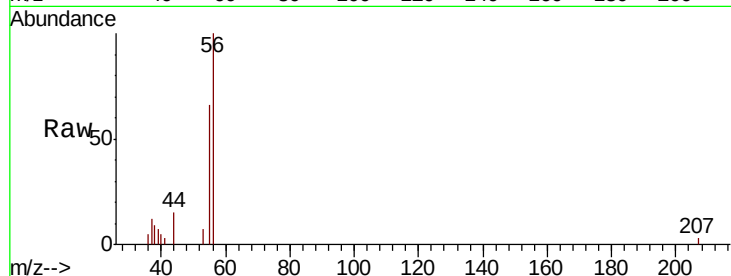
ClientSampleId :

Tot Ion: 56 Resp: 13067

Ion Ratio Lower Upper

56 100

55 70.4 56.1 84.1



#14

Allyl chloride

Concen: 4.607 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

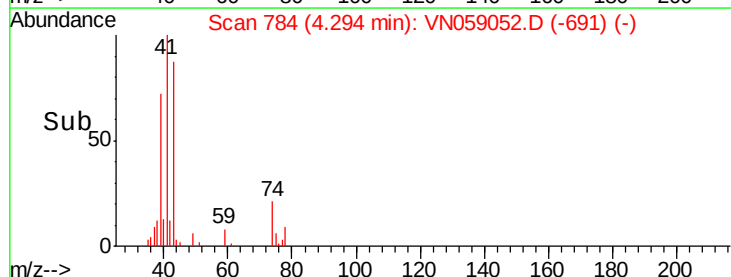
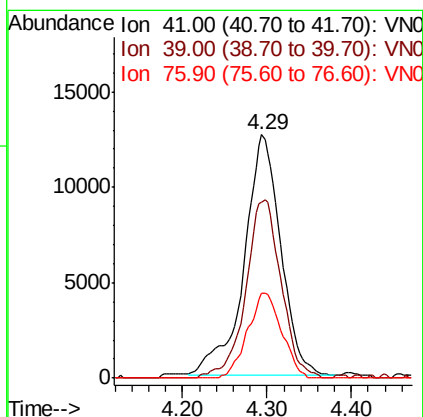
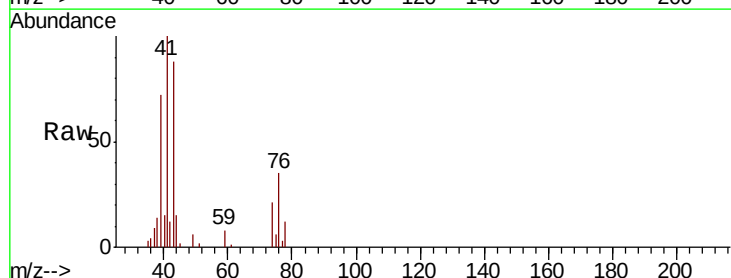
Tgt Ion: 41 Resp: 37948

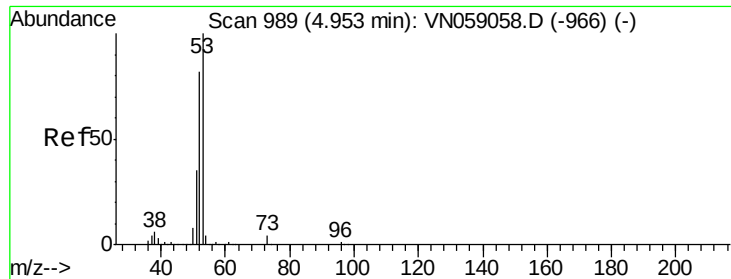
Ion Ratio Lower Upper

41 100

39 71.5 49.4 74.2

76 32.9 24.6 37.0

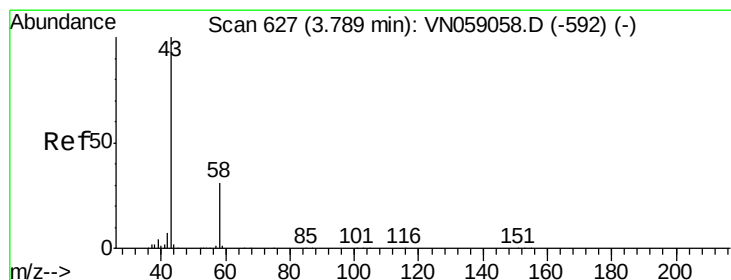
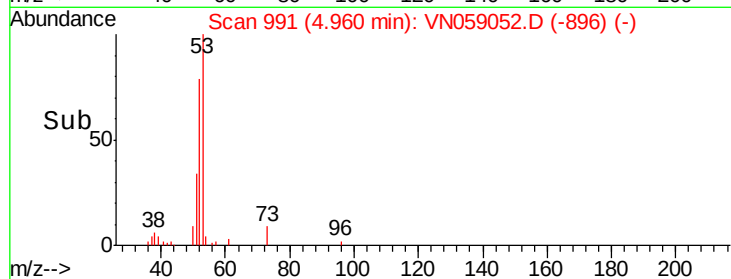
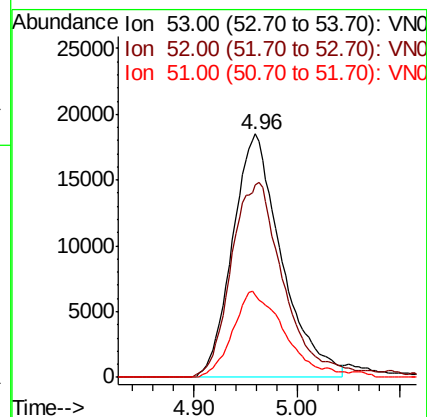
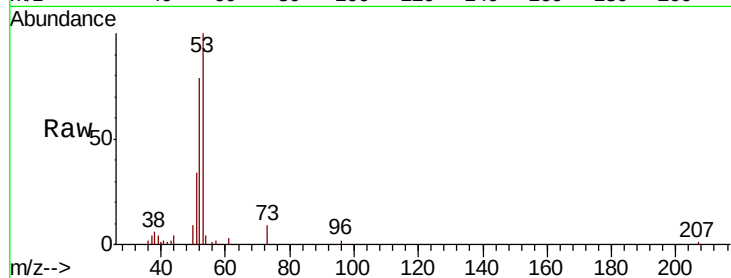




#15
 Acrylonitrile
 Concen: 24.137 ug/l
 RT: 4.96 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

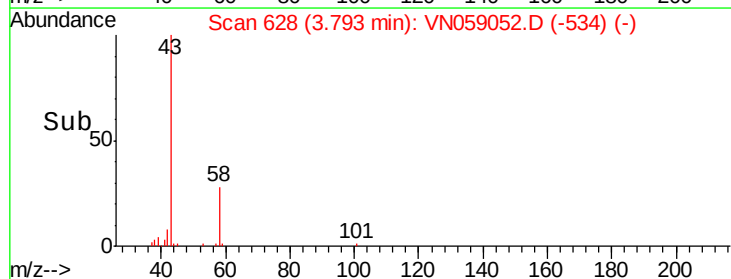
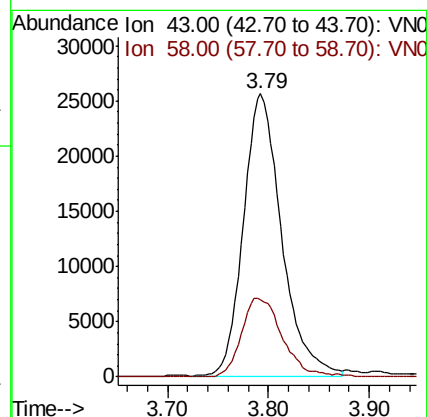
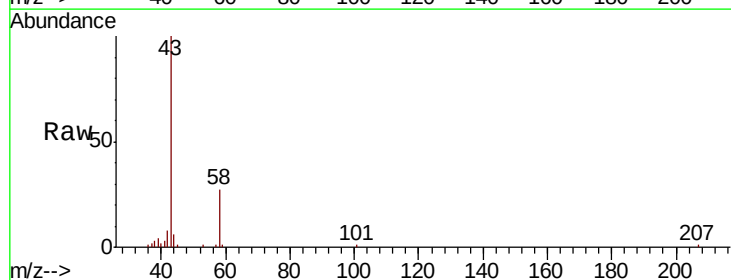
Instrument :
 MSVOA_N
 ClientSampled :

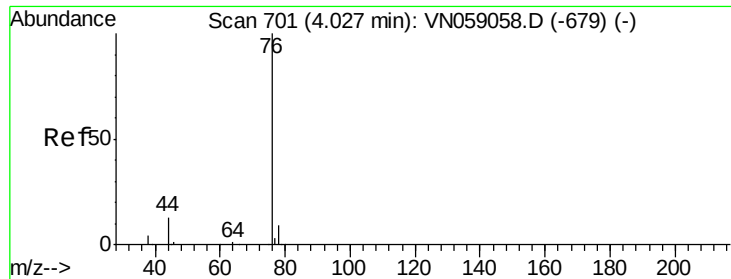
Tot Ion: 53 Resp: 61024
 Ion Ratio Lower Upper
 53 100
 52 85.6 66.0 99.0
 51 36.1 28.3 42.5



#16
 Acetone
 Concen: 22.934 ug/l
 RT: 3.79 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion: 43 Resp: 67692
 Ion Ratio Lower Upper
 43 100
 58 27.3 25.0 37.6

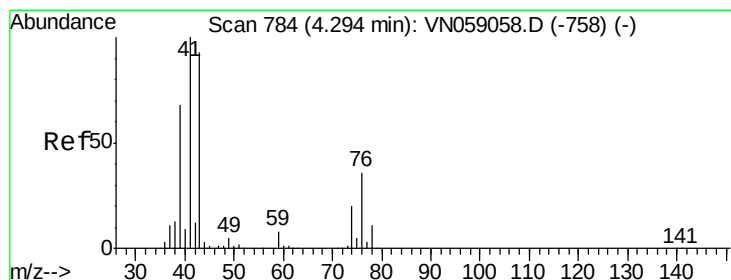
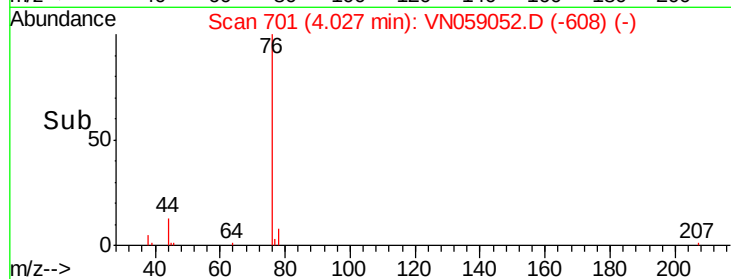
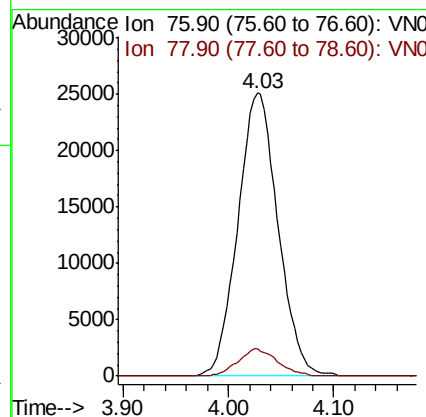
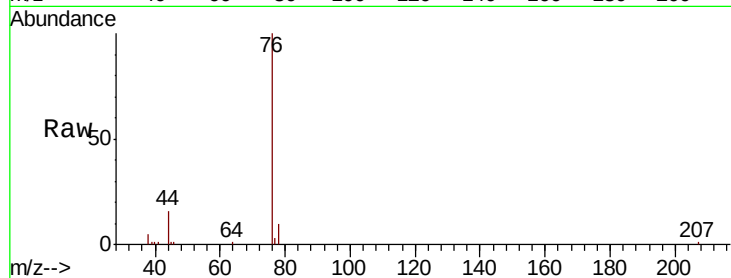




#17
Carbon Disulfide
Concen: 5.079 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

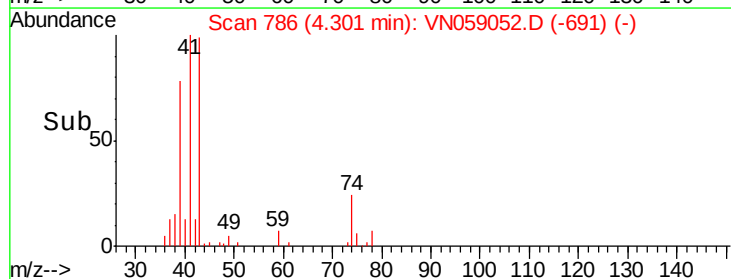
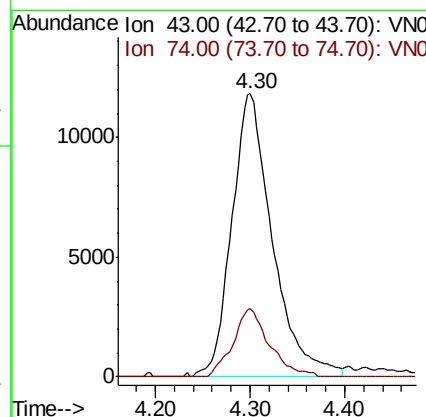
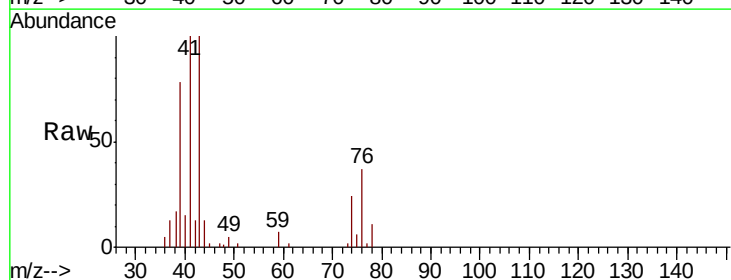
Instrument :
MSVOA_N
ClientSampled :

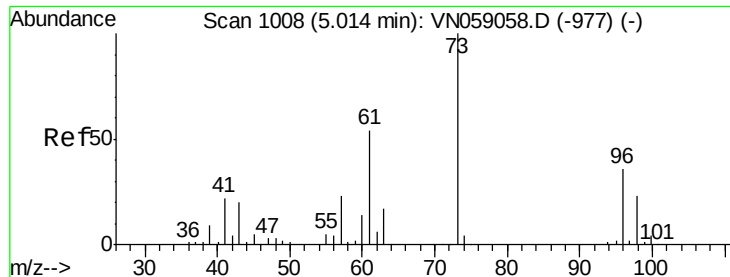
Tot Ion: 76 Resp: 66437
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.6



#18
Methyl Acetate
Concen: 5.169 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion: 43 Resp: 35318
Ion Ratio Lower Upper
43 100
74 21.6 17.5 26.3

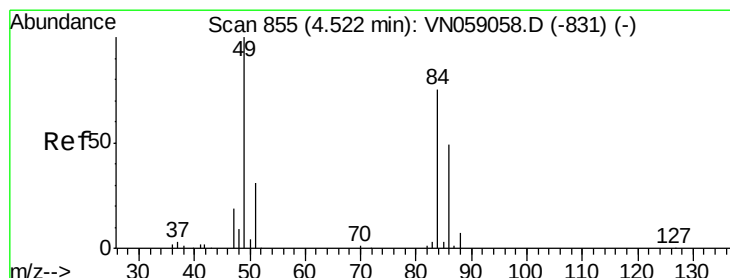
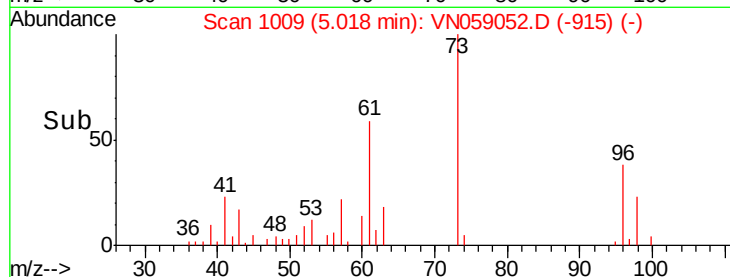
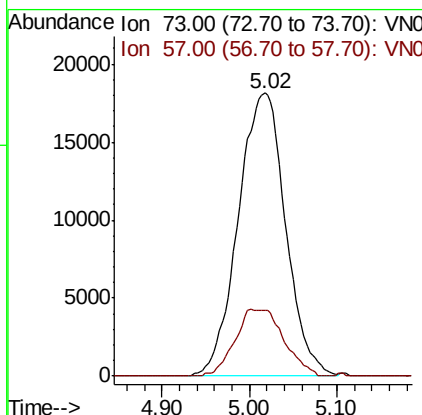
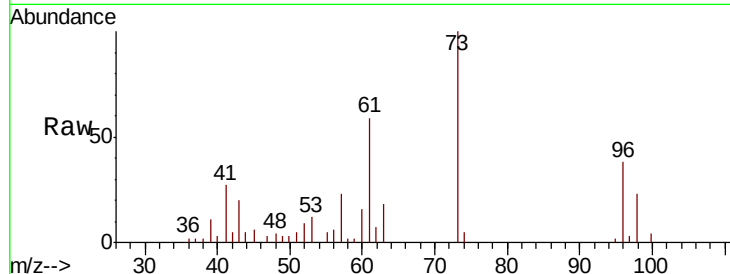




#19
Methyl tert-butyl Ether
Concen: 4.801 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

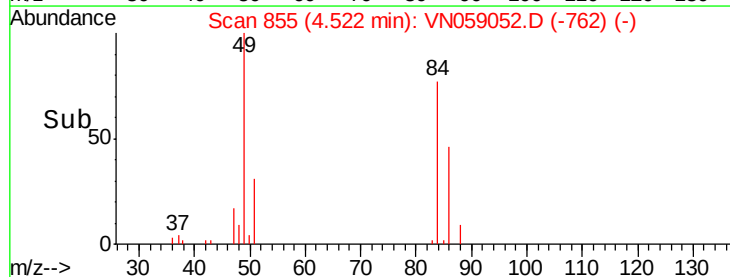
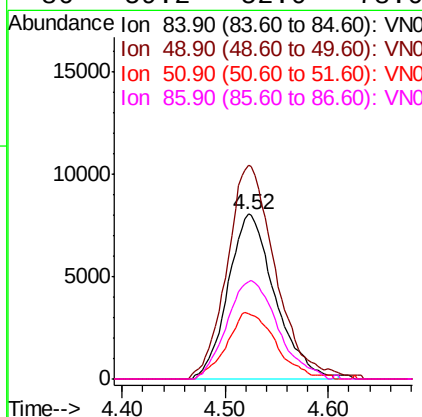
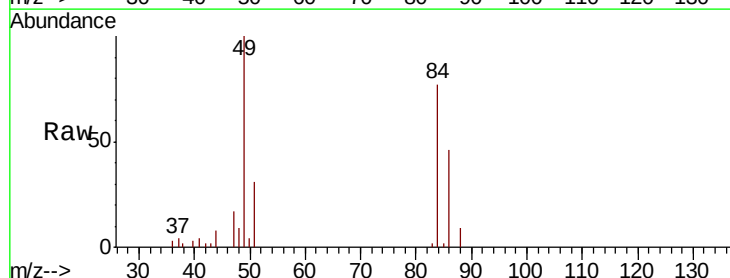
Instrument :
MSVOA_N
ClientSampled :

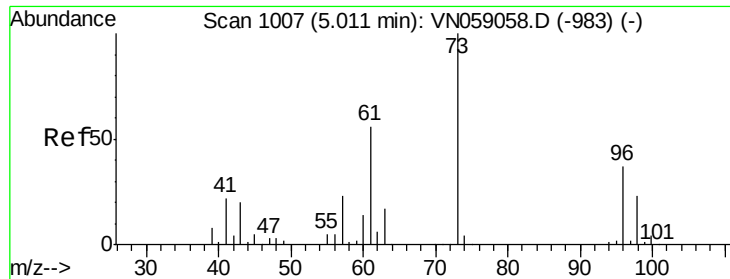
Tot Ion: 73 Resp: 68149
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6



#20
Methylene Chloride
Concen: 4.995 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion: 84 Resp: 25520
Ion Ratio Lower Upper
84 100
49 129.5 106.4 159.6
51 39.8 33.0 49.4
86 59.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 5.091 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampled :

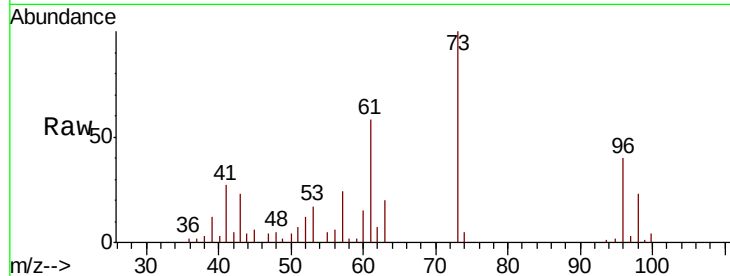
Tot Ion: 96 Resp: 22825

Ion Ratio Lower Upper

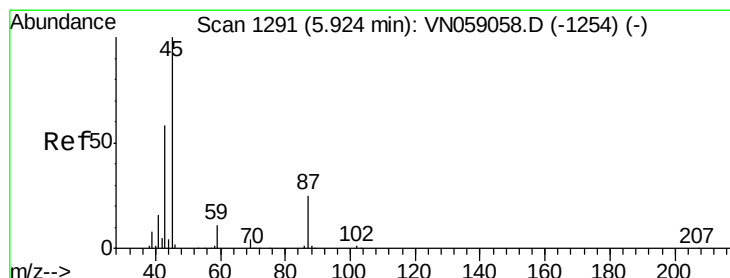
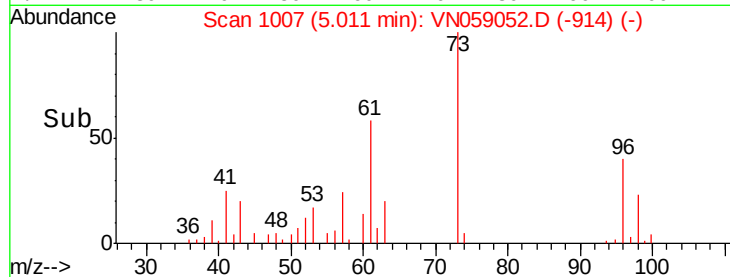
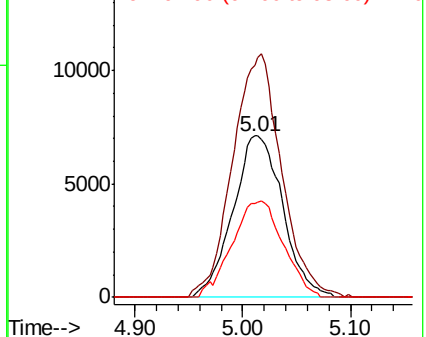
96 100

61 144.4 121.7 182.5

98 57.9 50.6 76.0



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



#22

Diisopropyl ether

Concen: 4.874 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion: 45 Resp: 78104

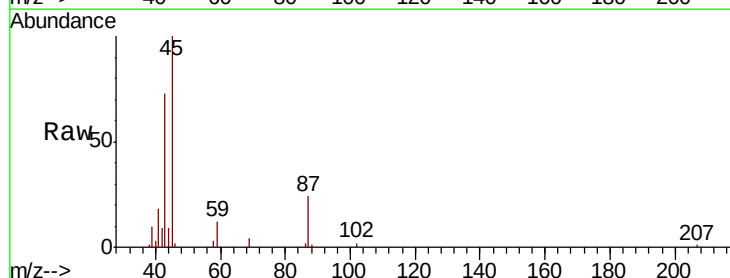
Ion Ratio Lower Upper

45 100

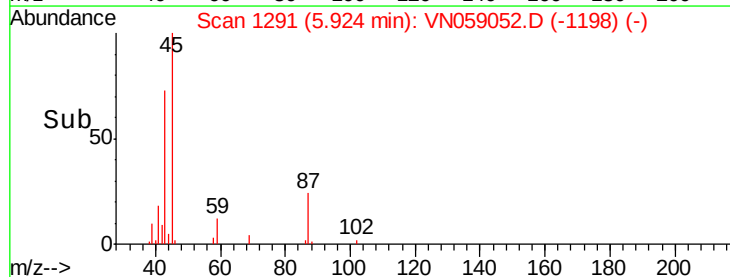
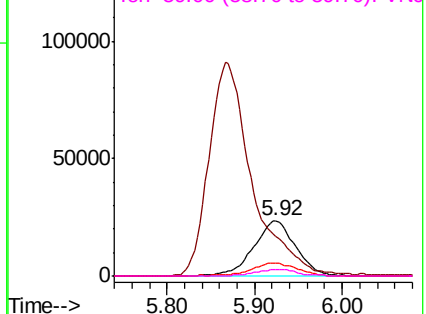
43 68.5 46.9 70.3

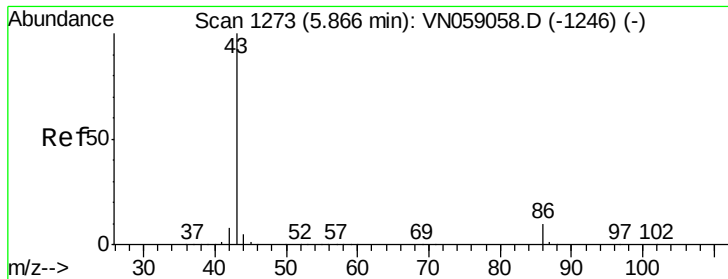
87 24.3 20.1 30.1

59 11.5 9.0 13.4



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: 24.370 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

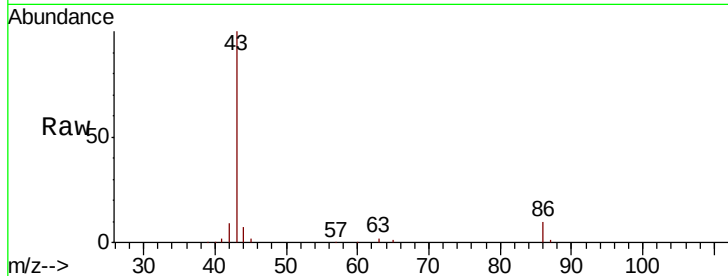
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 312164

Ion Ratio Lower Upper

43 100

86 9.7 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059052.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059052.D (-1180) (-)

5.87

100000

80000

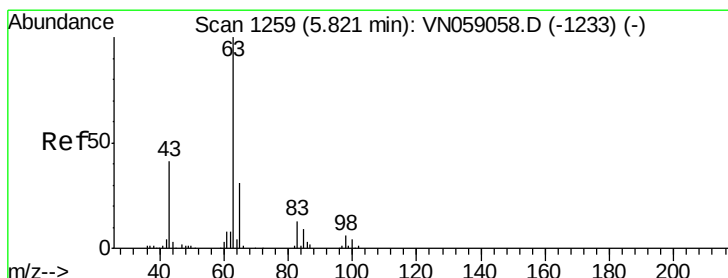
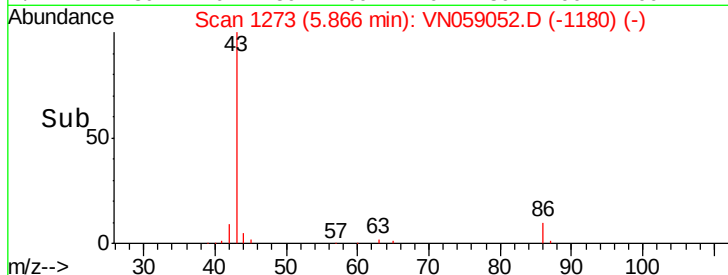
60000

40000

20000

0

Time--> 5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 5.017 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

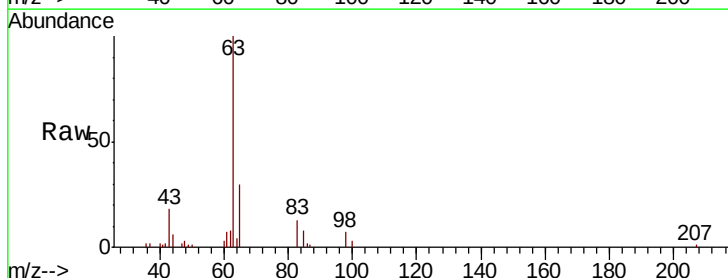
Tgt Ion: 63 Resp: 46621

Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

100 3.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059052.D (-1166) (-)

Ion 97.90 (97.60 to 98.60): VN059052.D (-1166) (-)

Ion 99.90 (99.60 to 100.60): VN059052.D (-1166) (-)

5.82

20000

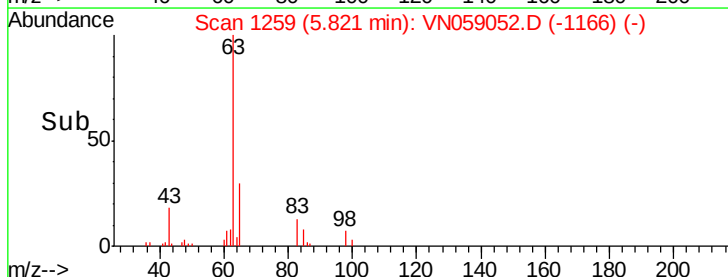
15000

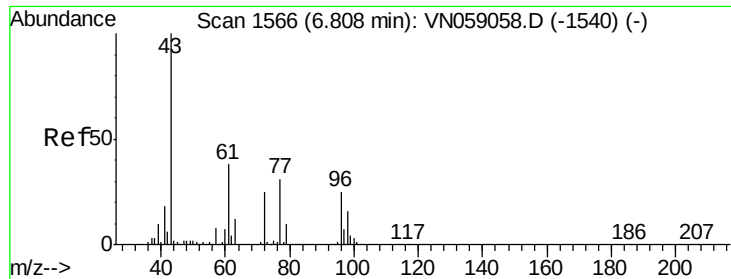
10000

5000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 23.263 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

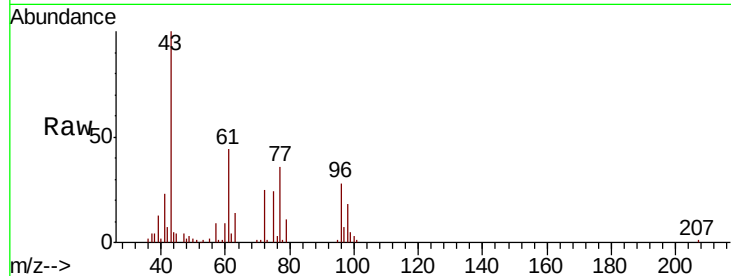
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 89696

Ion Ratio Lower Upper

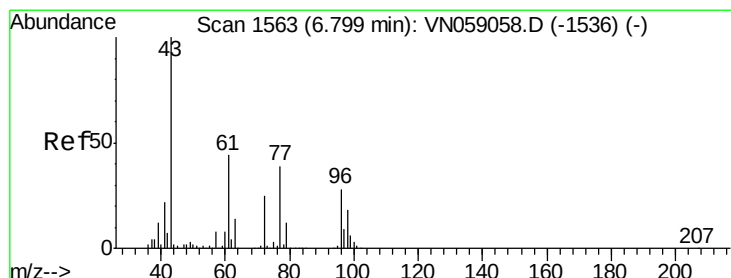
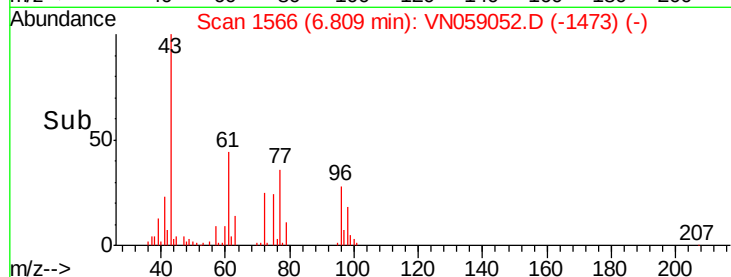
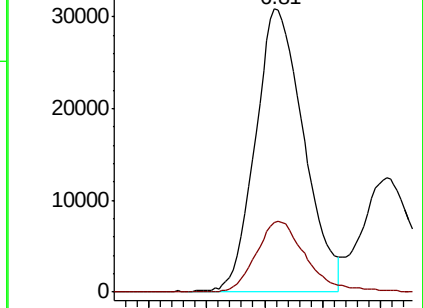
43 100

72 24.6 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN059058.D (-1540) (-)



#26

2,2-Dichloropropane

Concen: 5.073 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059052.D

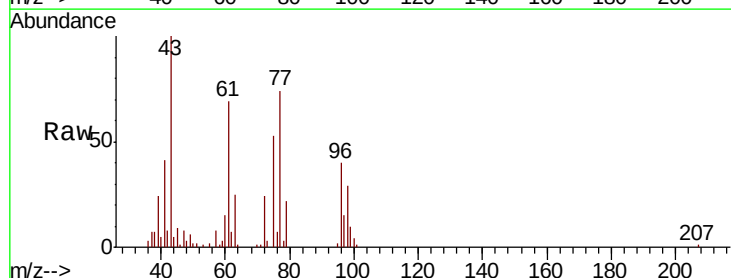
Acq: 1 Nov 2019 10:47

Tgt Ion: 77 Resp: 40630

Ion Ratio Lower Upper

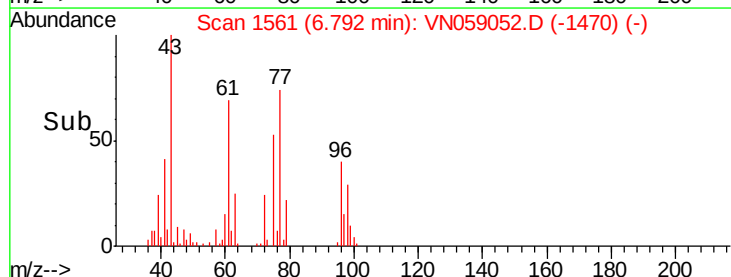
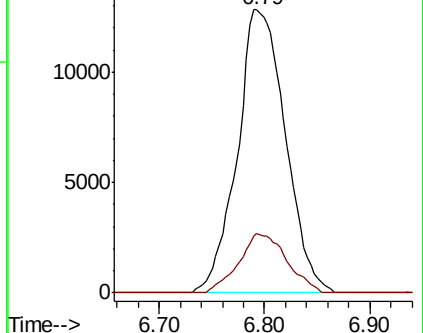
77 100

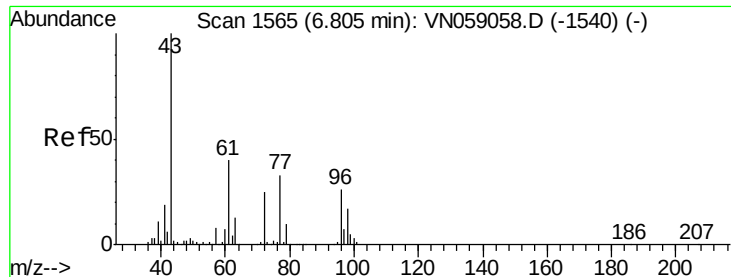
97 21.0 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VN059058.D (-1536) (-)

Ion 96.90 (96.60 to 97.60): VN059058.D (-1536) (-)





#27

cis-1,2-Dichloroethene

Concen: 4.928 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampled :

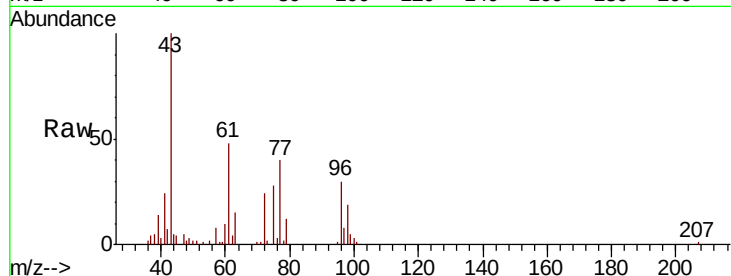
Tot Ion: 96 Resp: 25193

Ion Ratio Lower Upper

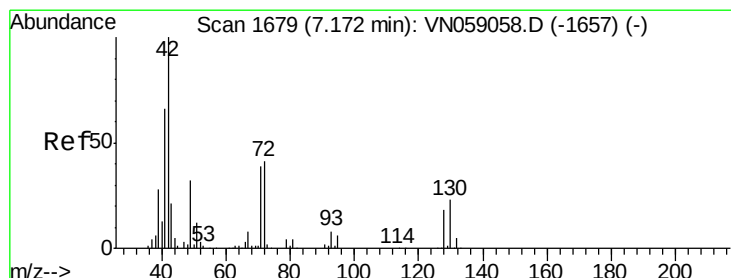
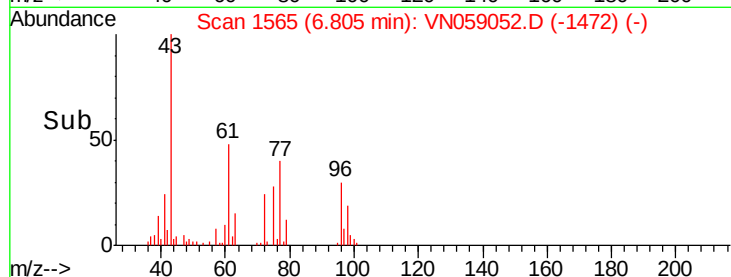
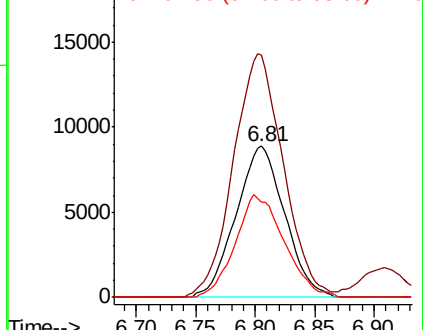
96 100

61 164.8 0.0 316.4

98 67.8 0.0 128.2



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: 4.951 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

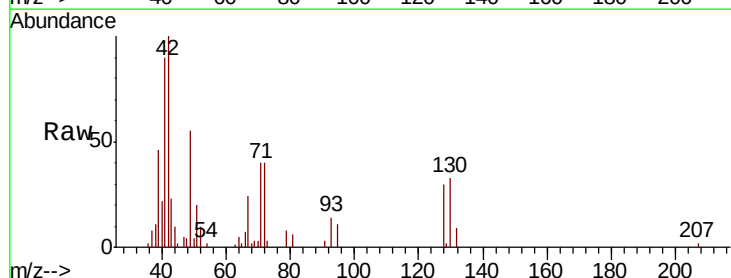
Tgt Ion: 49 Resp: 15094

Ion Ratio Lower Upper

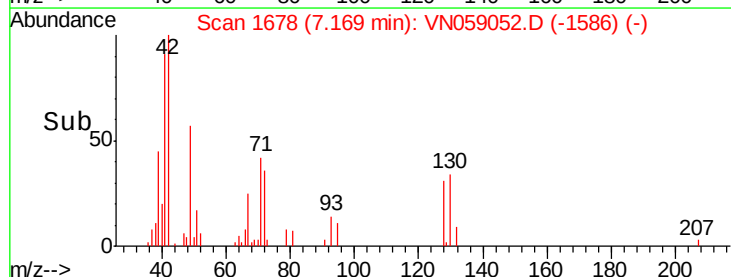
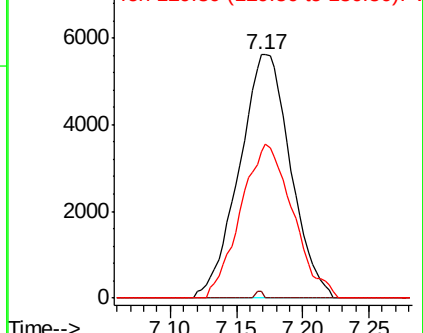
49 100

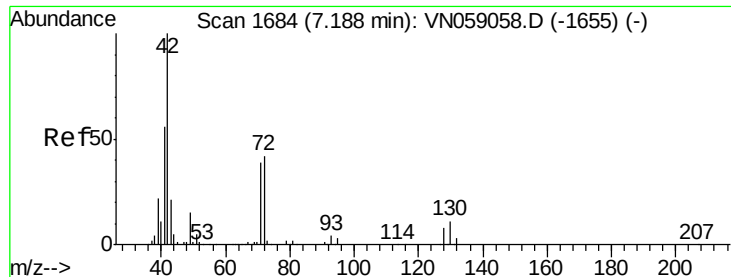
129 0.4 0.0 3.4

130 64.2 55.0 82.6



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

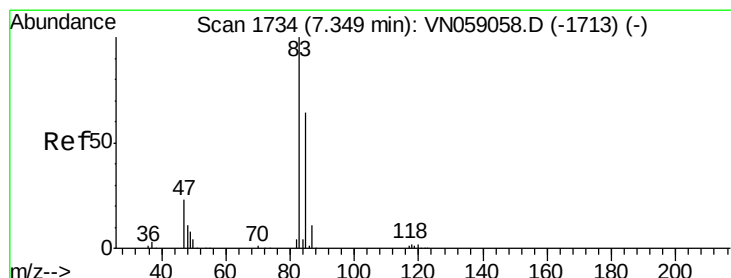
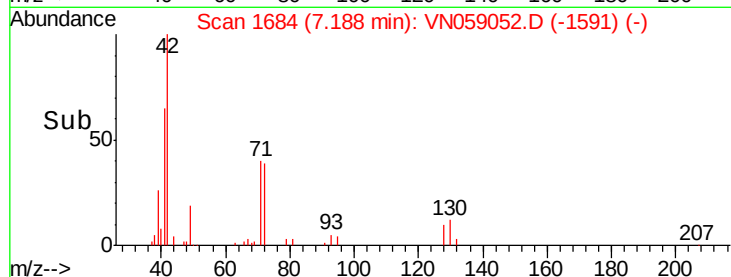
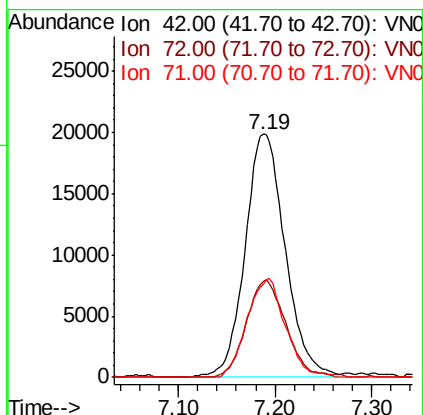
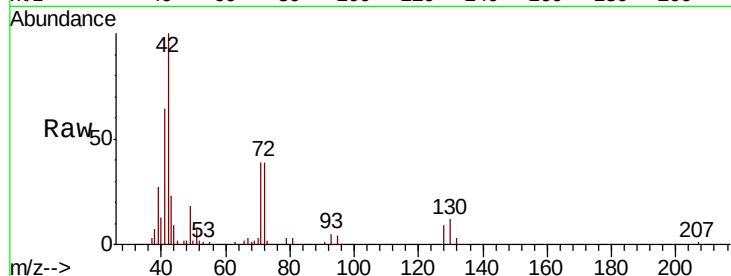




#29
Tetrahydrofuran
Concen: 24.239 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

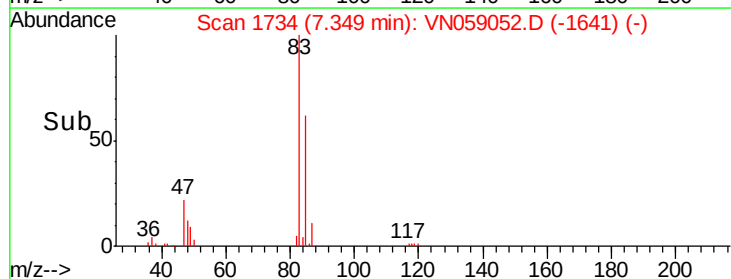
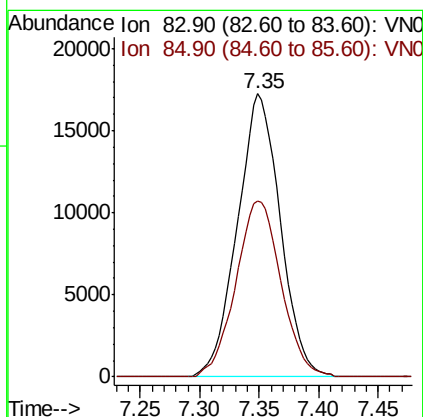
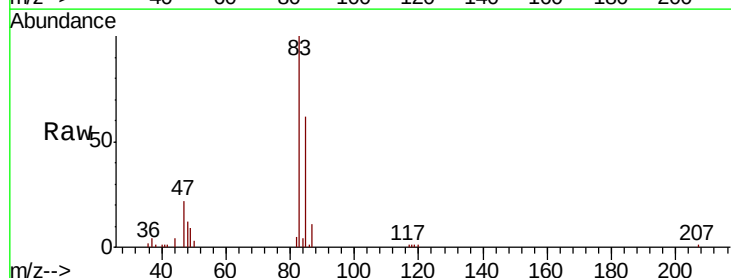
Instrument :
MSVOA_N
ClientSampled :

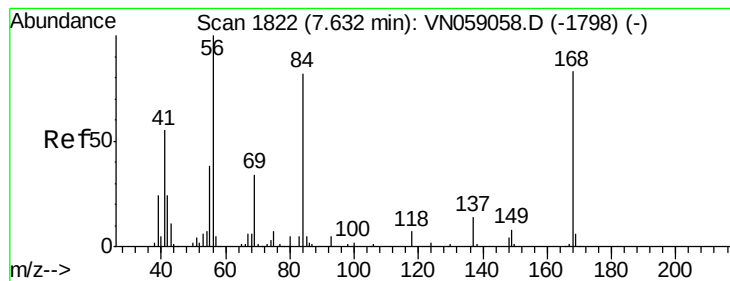
Tot Ion: 42 Resp: 57312
Ion Ratio Lower Upper
42 100
72 39.4 32.7 49.1
71 38.8 31.2 46.8



#30
Chloroform
Concen: 4.650 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion: 83 Resp: 43063
Ion Ratio Lower Upper
83 100
85 62.0 50.9 76.3





#31

Cyclohexane

Concen: 5.507 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

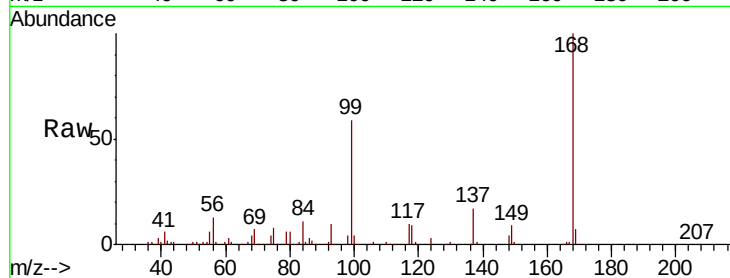
Tot Ion: 56 Resp: 47591

Ion Ratio Lower Upper

56 100

69 53.1 27.2 40.8#

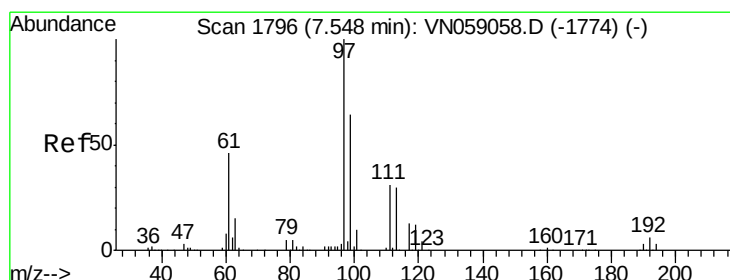
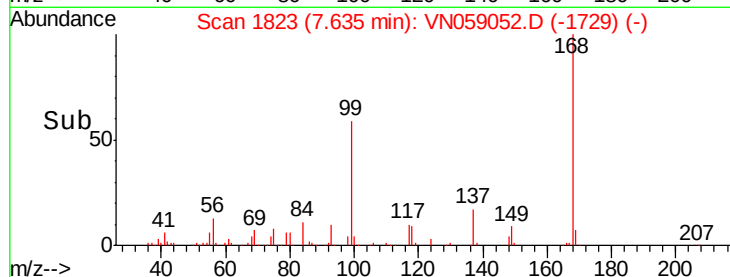
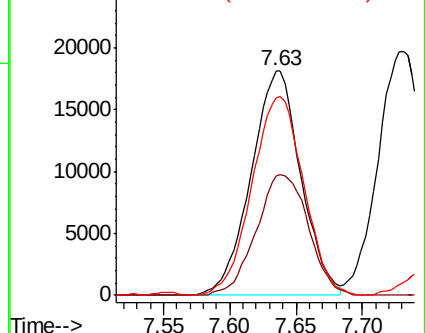
84 88.1 65.2 97.8



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: 4.810 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

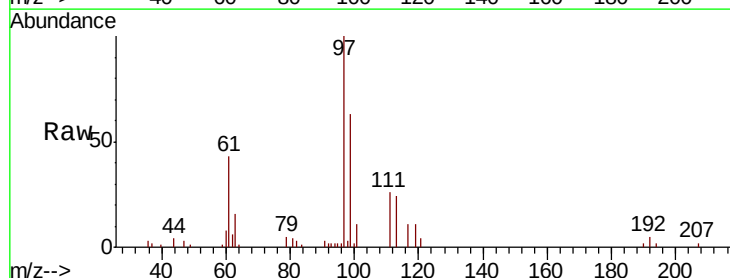
Tgt Ion: 97 Resp: 37457

Ion Ratio Lower Upper

97 100

99 64.3 50.7 76.1

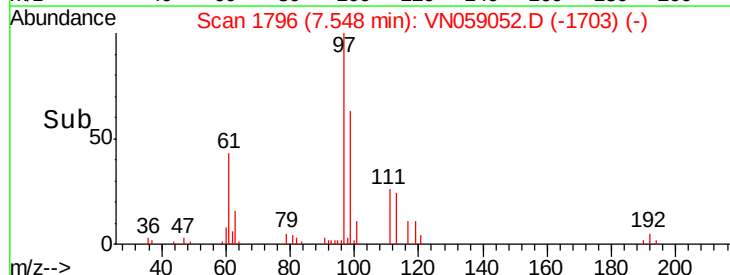
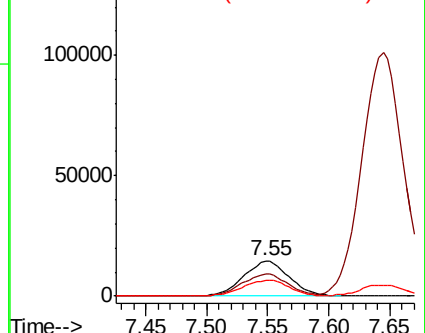
61 46.9 36.3 54.5

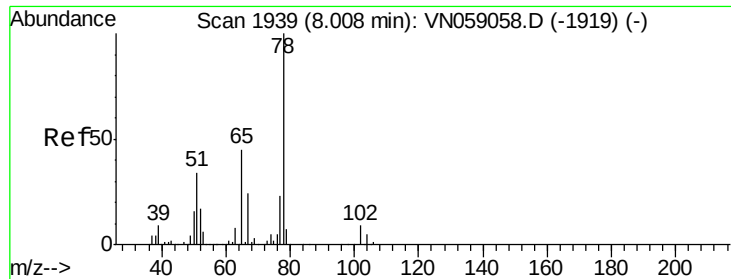


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

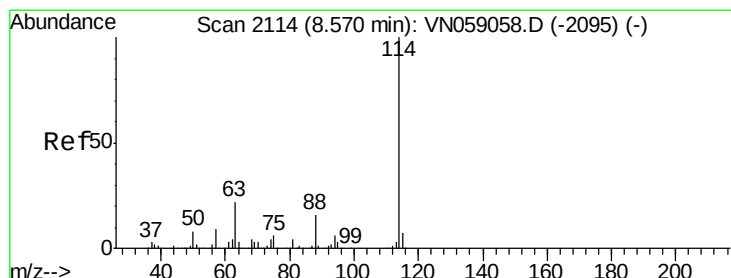
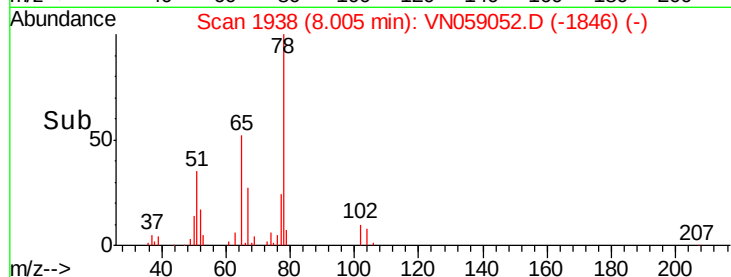
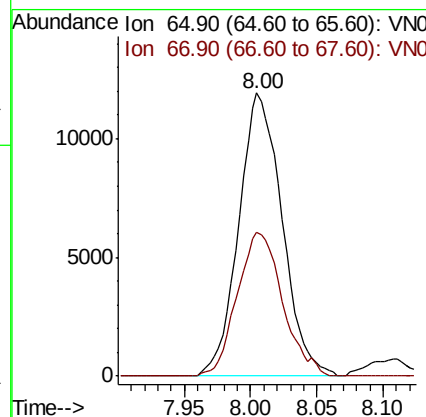
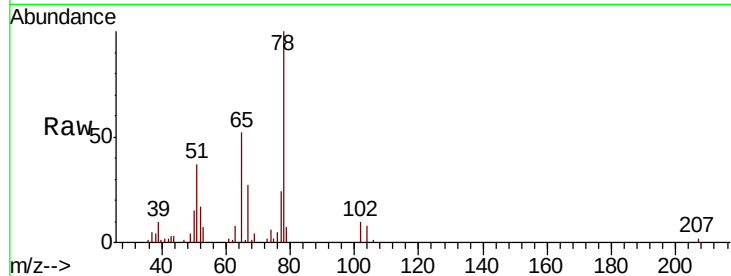




#33
 1,2-Dichloroethane-d4
 Concen: 4.515 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

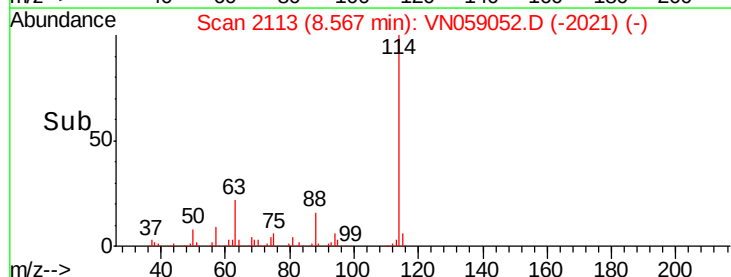
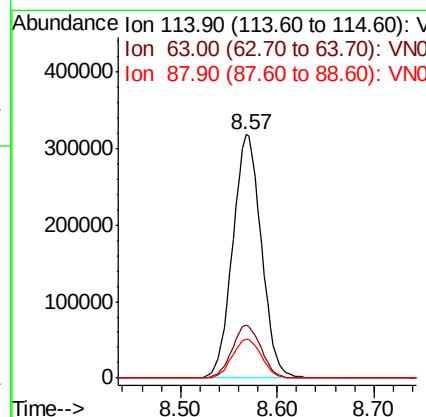
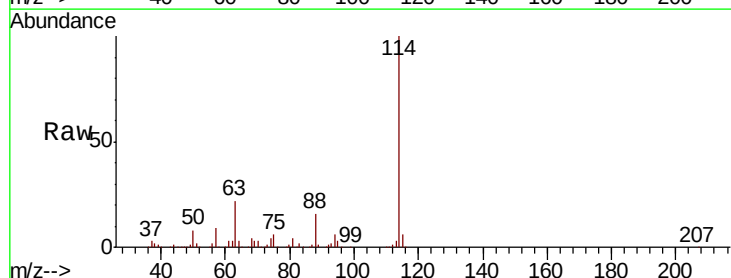
Instrument :
 MSVOA_N
 ClientSampled :

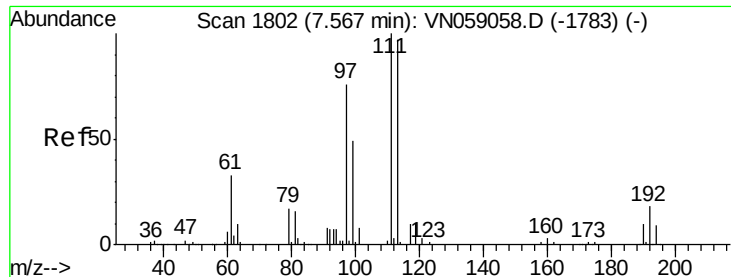
Tot Ion: 65 Resp: 27036
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion: 114 Resp: 654787
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.0 0.0 33.0

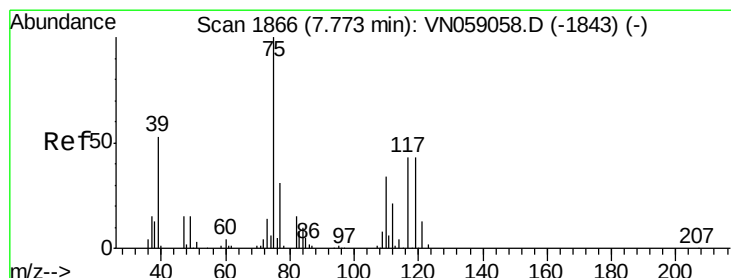
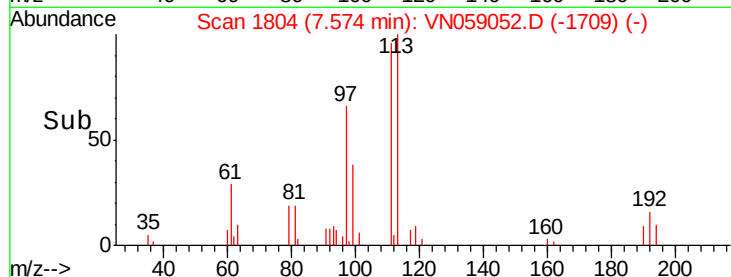
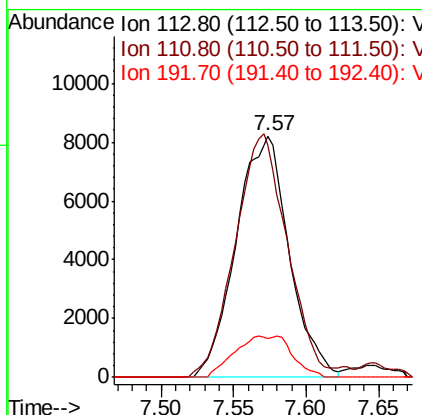
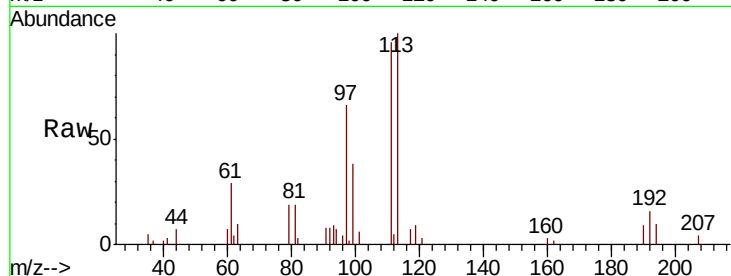




#35
Dibromofluoromethane
Concen: 4.866 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

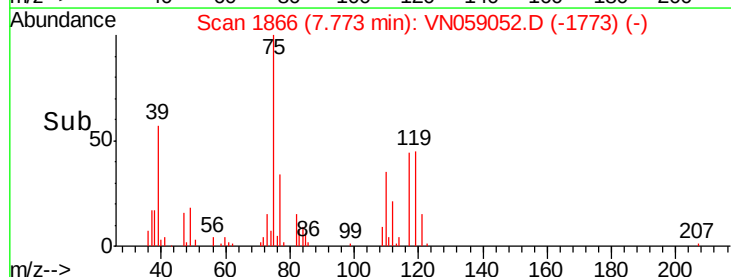
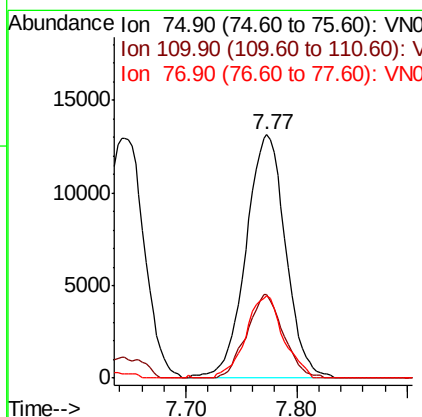
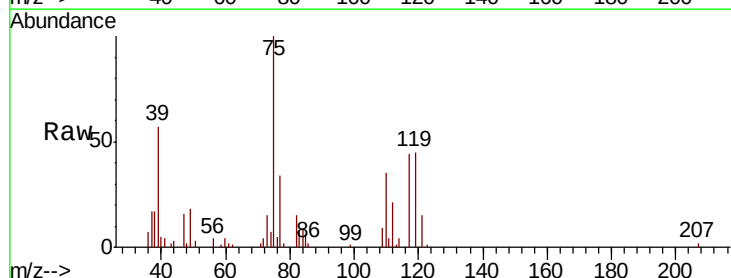
Instrument :
MSVOA_N
ClientSampled :

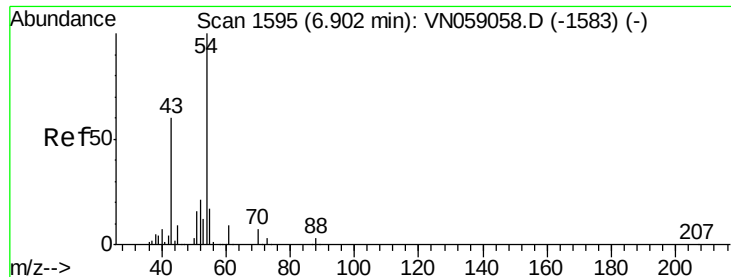
Tot Ion:113 Resp: 20870
Ion Ratio Lower Upper
113 100
111 99.1 82.9 124.3
192 11.1 15.9 23.9#



#36
1,1-Dichloropropene
Concen: 4.963 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion: 75 Resp: 32726
Ion Ratio Lower Upper
75 100
110 31.7 16.9 50.6
77 31.9 25.0 37.4

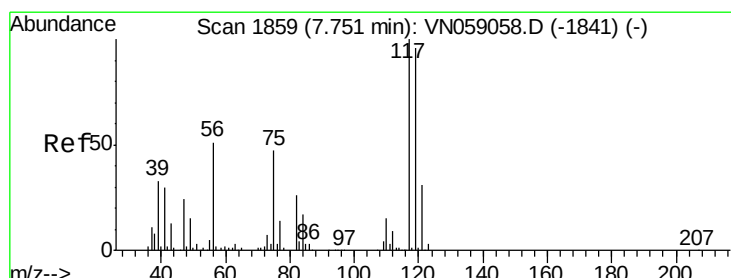
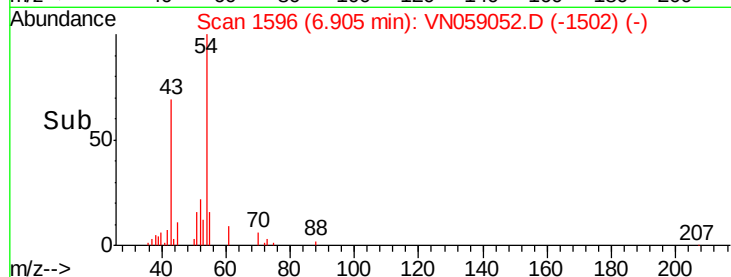
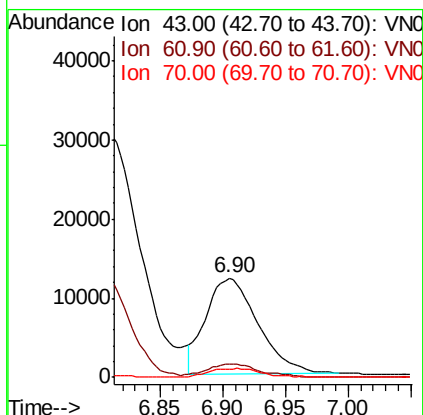
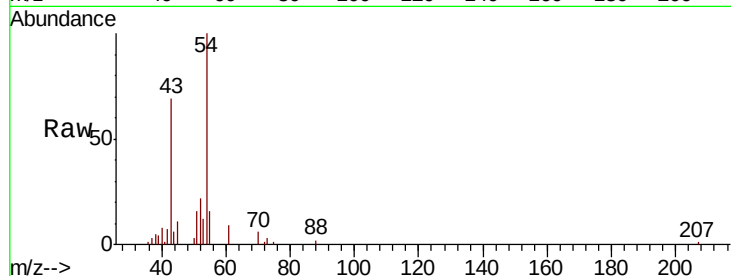




#37
Ethyl Acetate
Concen: 4.895 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

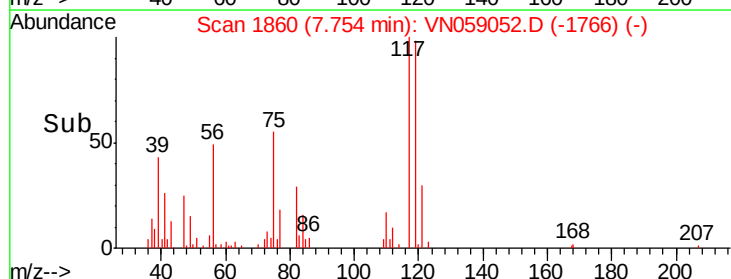
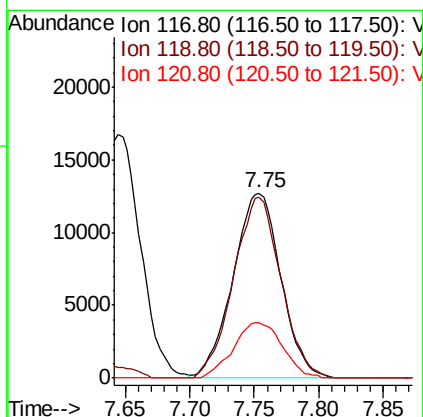
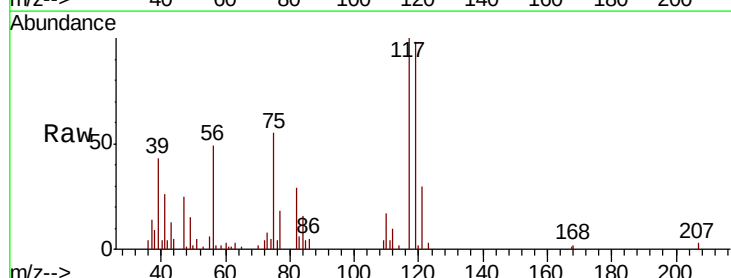
Instrument :
MSVOA_N
ClientSampleId :

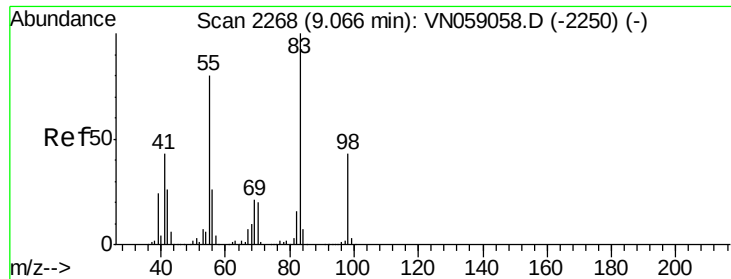
Tot Ion: 43 Resp: 35234
Ion Ratio Lower Upper
43 100
61 14.2 11.2 16.8
70 9.1 8.0 12.0



#38
Carbon Tetrachloride
Concen: 4.846 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion: 117 Resp: 32868
Ion Ratio Lower Upper
117 100
119 97.8 76.6 114.8
121 29.8 24.6 37.0

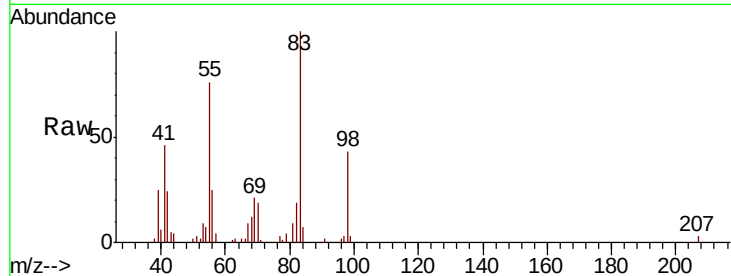




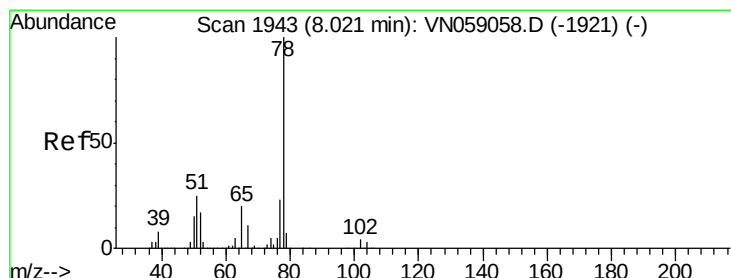
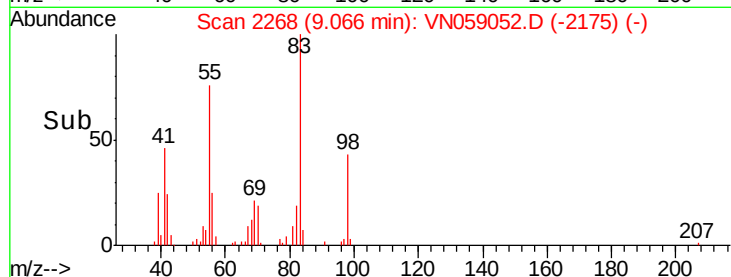
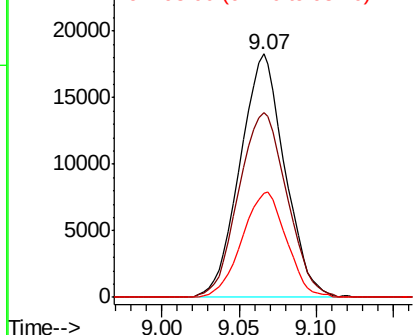
#39
Methylvlcyclohexane
Concen: 4.921 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 36749
Ion Ratio Lower Upper
83 100
55 76.1 64.1 96.1
98 42.9 34.3 51.5

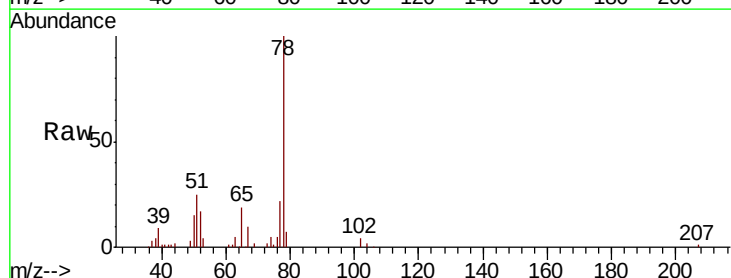


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

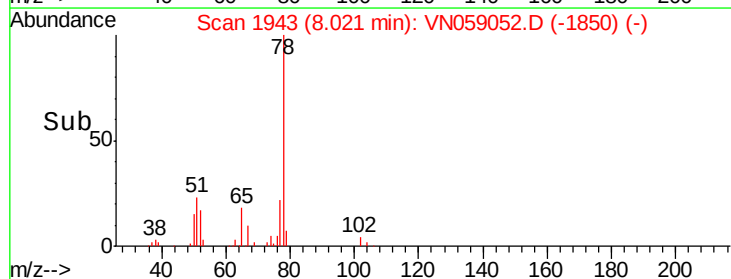
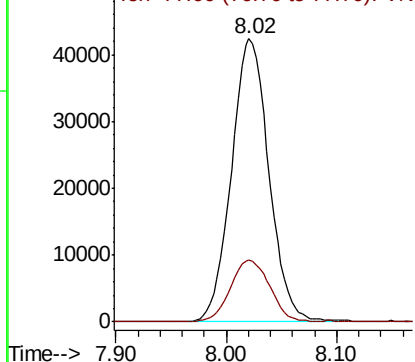


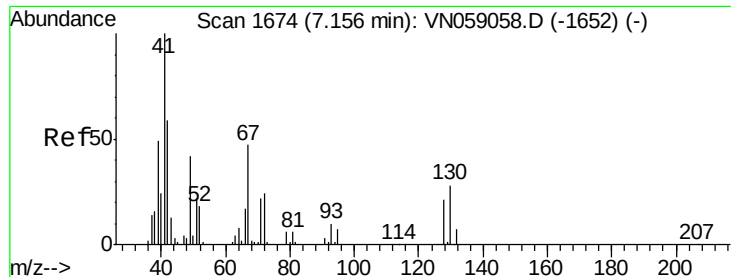
#40
Benzene
Concen: 5.122 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion: 78 Resp: 99587
Ion Ratio Lower Upper
78 100
77 21.7 18.6 27.8



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

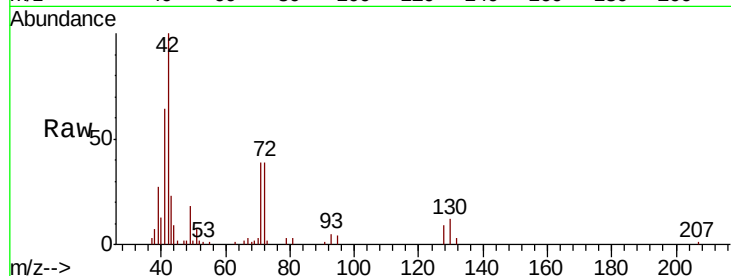




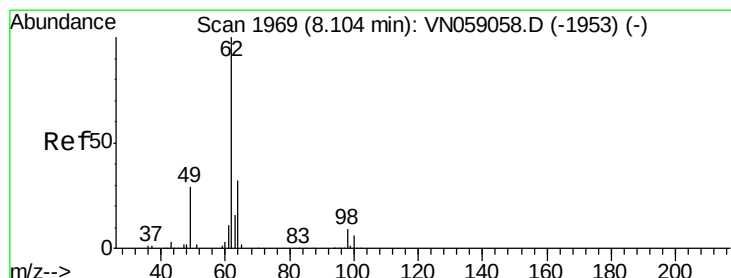
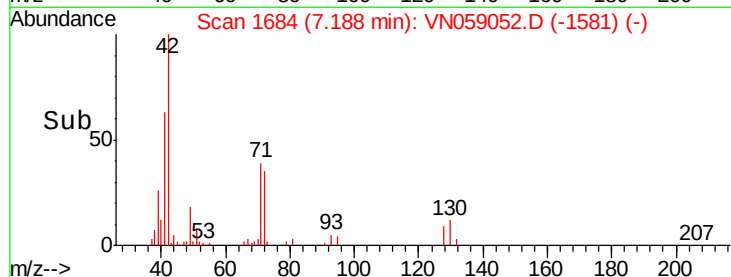
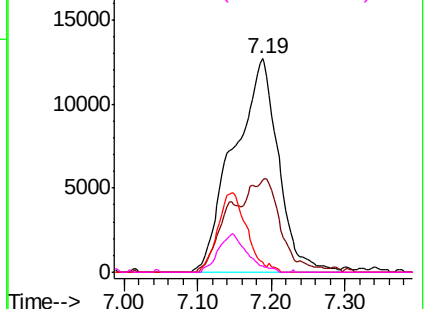
#41
Methacrylonitrile
Concen: 16.435 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	53603
Ion	Ratio	Lower	Upper
41	100		
39	30.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

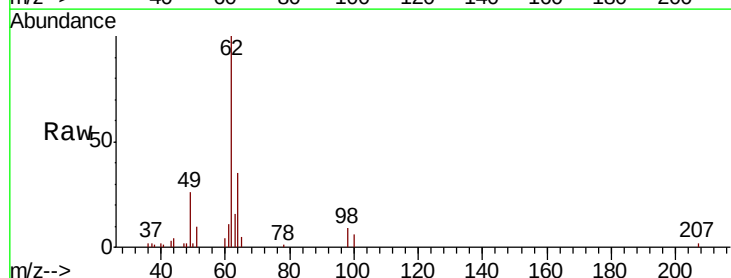


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

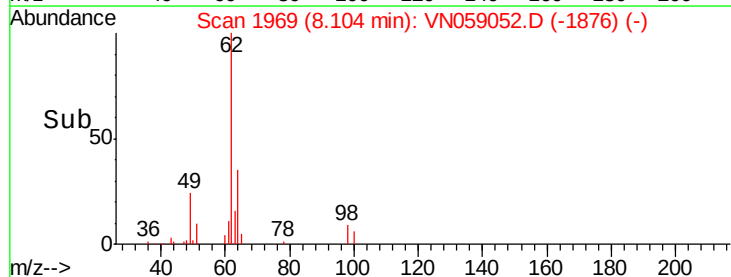
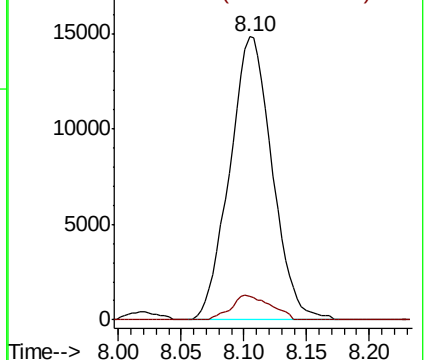


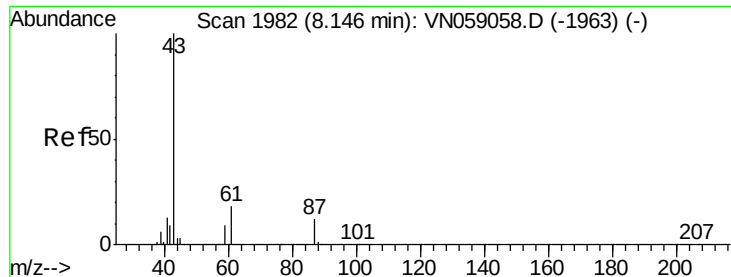
#42
1,2-Dichloroethane
Concen: 4.728 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion:	62	Resp:	34877
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.0



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

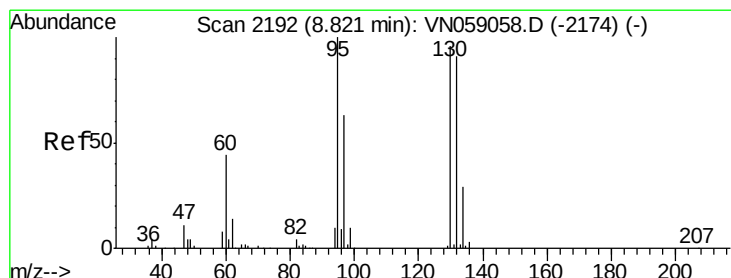
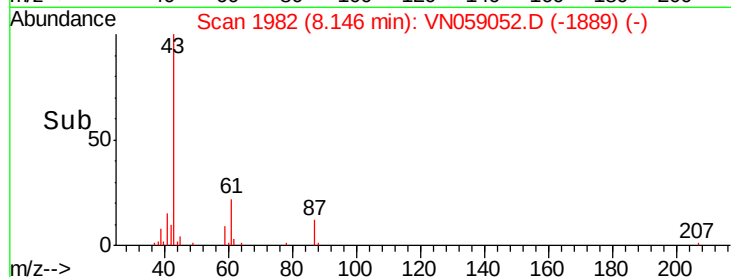
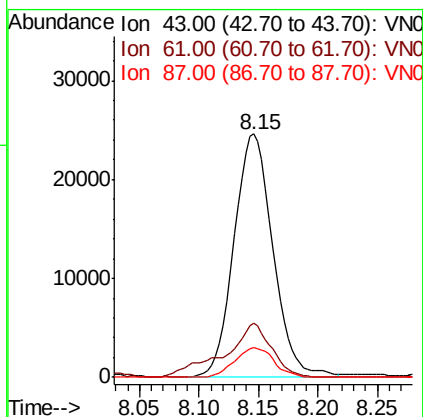
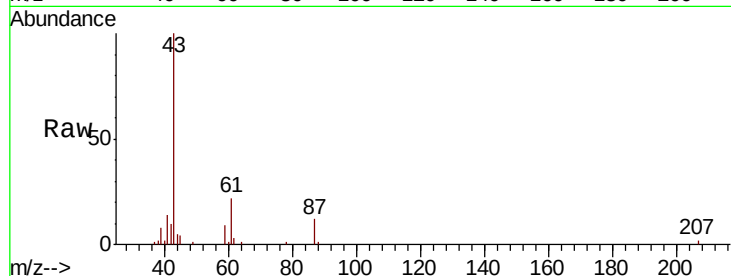




#43
Isopropyl Acetate
Concen: 4.837 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

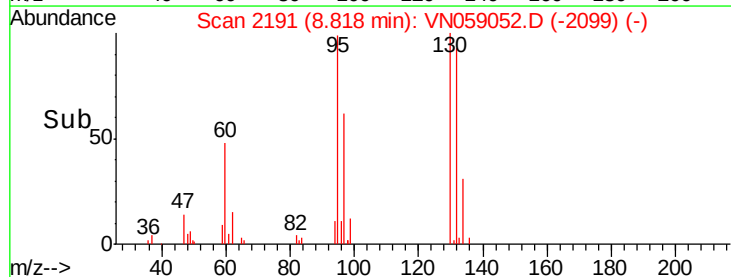
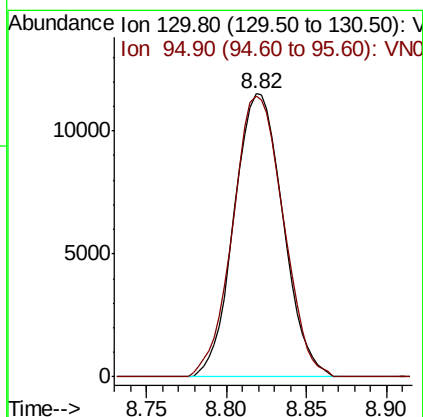
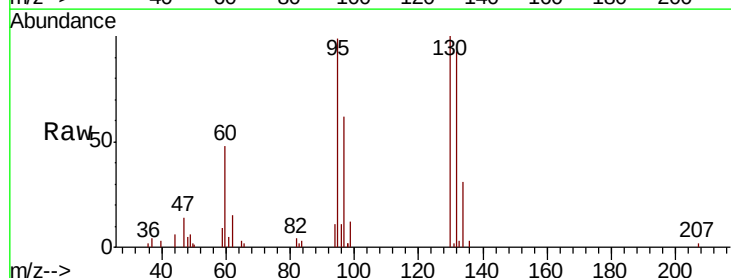
Instrument :
MSVOA_N
ClientSampleId :

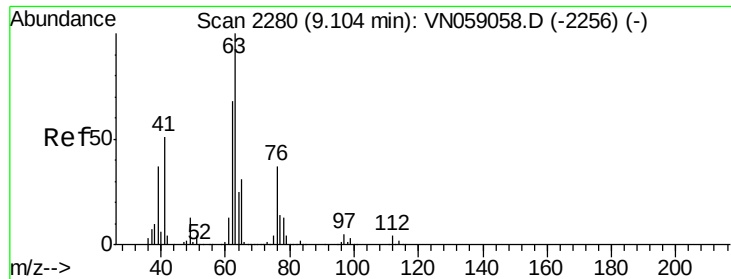
Tot Ion: 43 Resp: 55945
Ion Ratio Lower Upper
43 100
61 26.7 20.5 30.7
87 12.1 9.8 14.8



#44
Trichloroethene
Concen: 5.063 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion:130 Resp: 24035
Ion Ratio Lower Upper
130 100
95 99.4 0.0 207.6

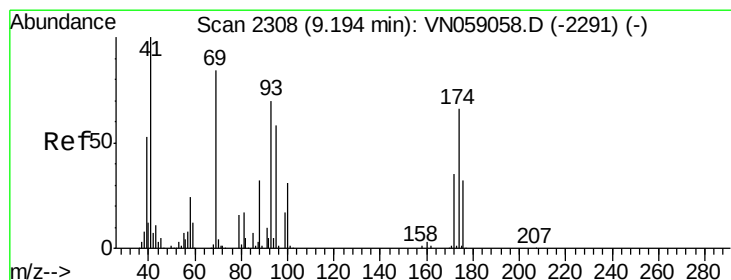
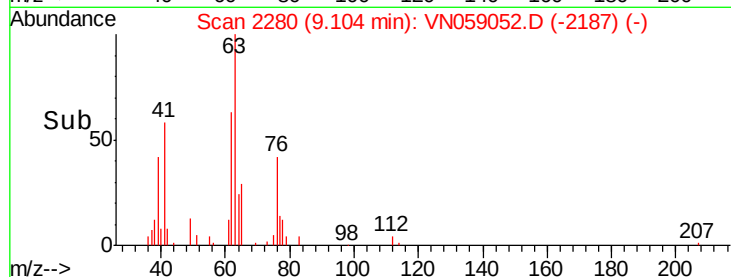
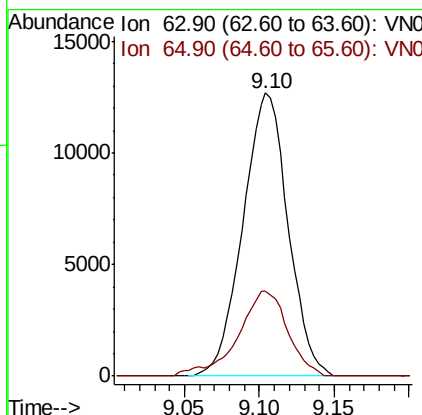
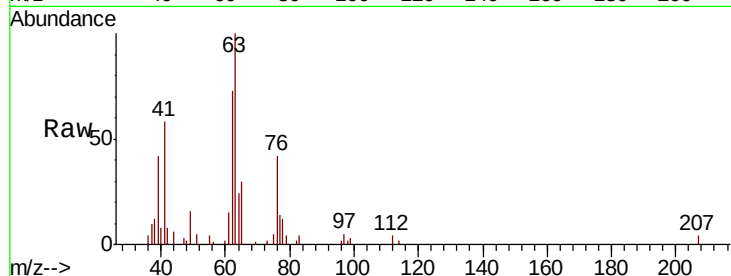




#45
 1,2-Dichloropropane
 Concen: 4.994 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

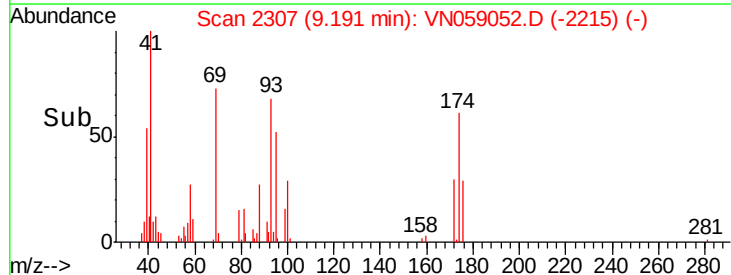
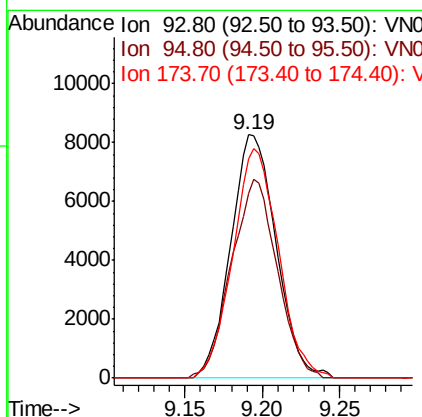
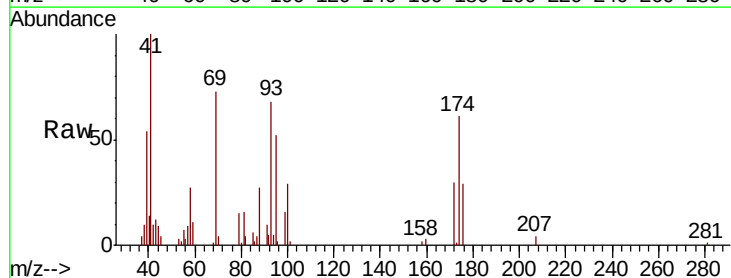
Instrument :
 MSVOA_N
 ClientSampleId :

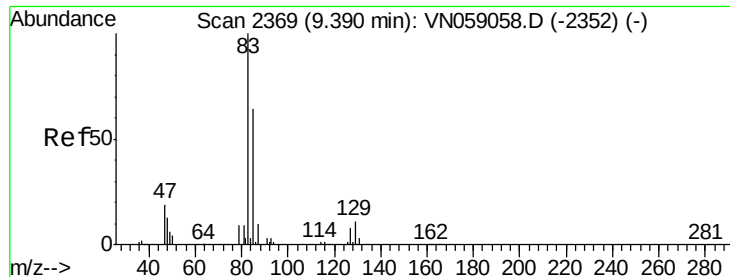
Tot Ion: 63 Resp: 26607
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6



#46
 Dibromomethane
 Concen: 5.033 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion: 93 Resp: 16884
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.2 100.8
 174 94.5 78.3 117.5





#47

Bromodichloromethane

Concen: 4.794 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

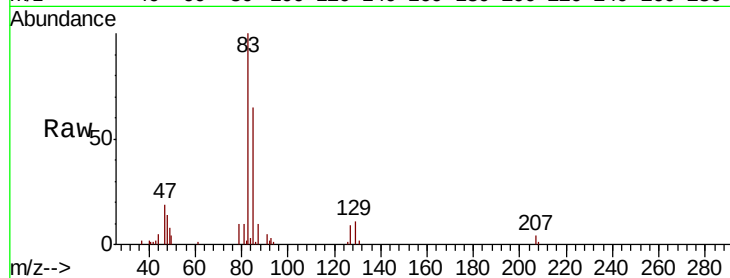
Tot Ion: 83 Resp: 33072

Ion Ratio Lower Upper

83 100

85 64.5 51.2 76.8

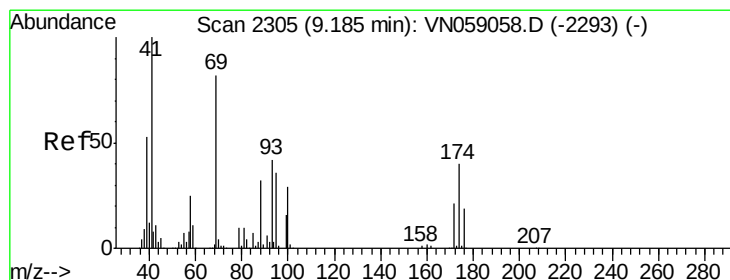
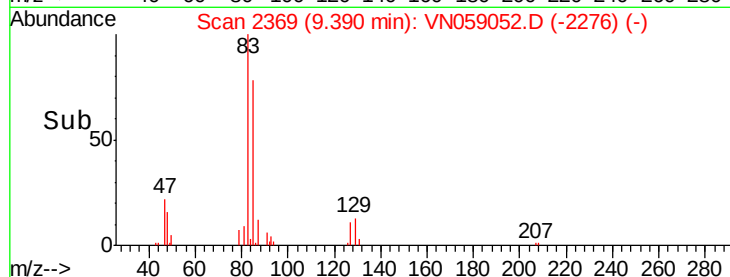
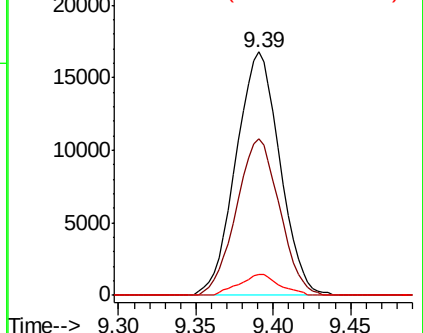
127 8.8 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN059058.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN059058.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN059058.D (-2352) (-)



#48

Methyl methacrylate

Concen: 4.615 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

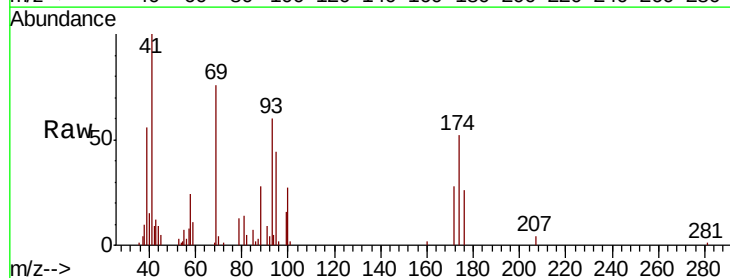
Tgt Ion: 41 Resp: 24064

Ion Ratio Lower Upper

41 100

69 78.7 67.1 100.7

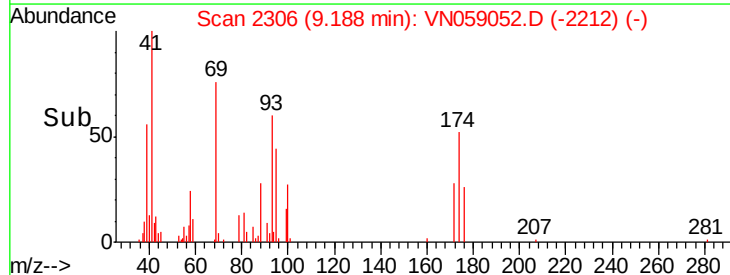
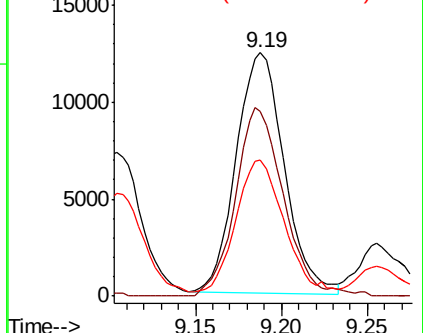
39 54.0 43.3 64.9

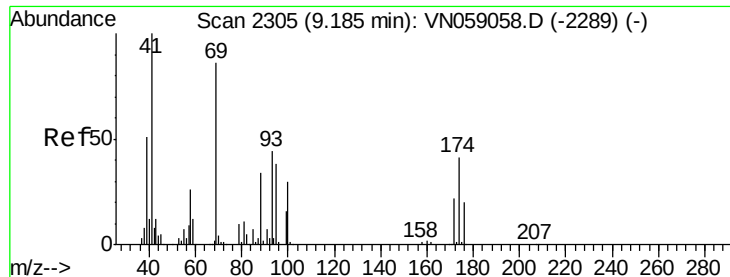


Abundance Ion 41.00 (40.70 to 41.70): VN059058.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN059058.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN059058.D (-2293) (-)





#49

1,4-Dioxane

Concen: 88.092 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampled :

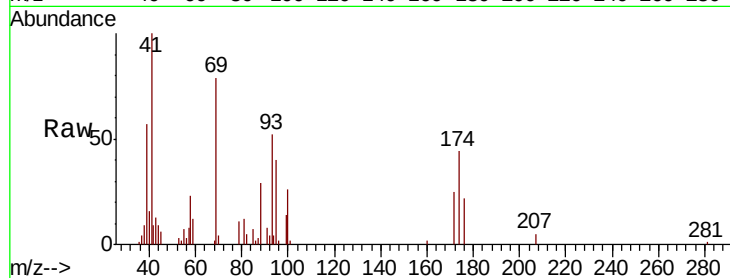
Tot Ion: 88 Resp: 7725

Ion Ratio Lower Upper

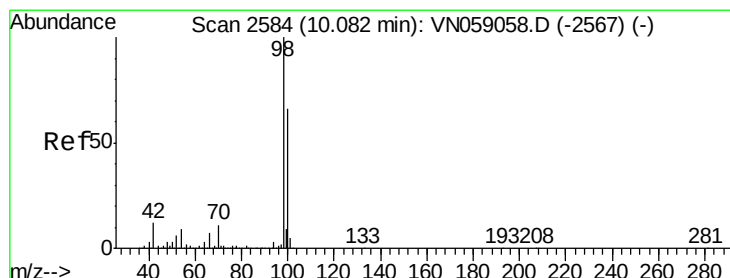
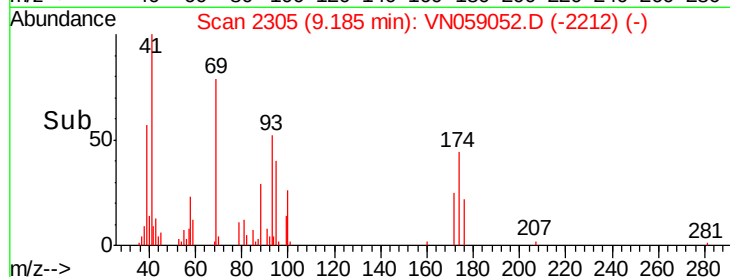
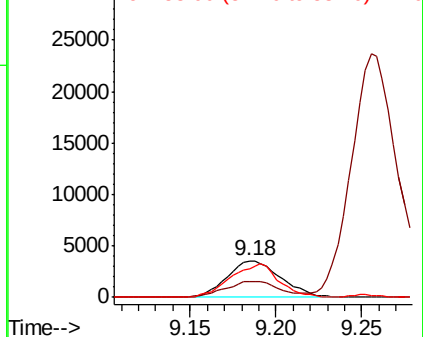
88 100

43 45.3 26.2 39.2#

58 81.6 59.1 88.7



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: 4.549 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059052.D

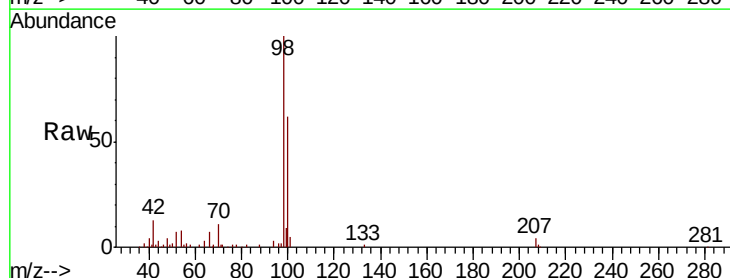
Acq: 1 Nov 2019 10:47

Tgt Ion: 98 Resp: 76126

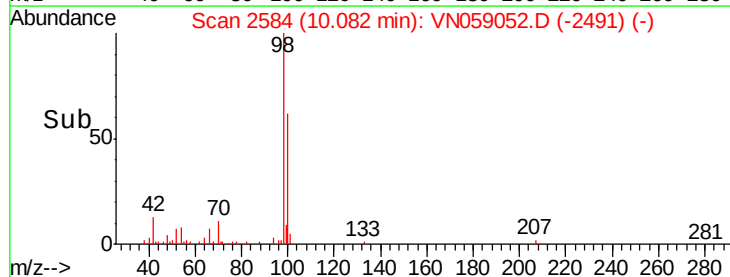
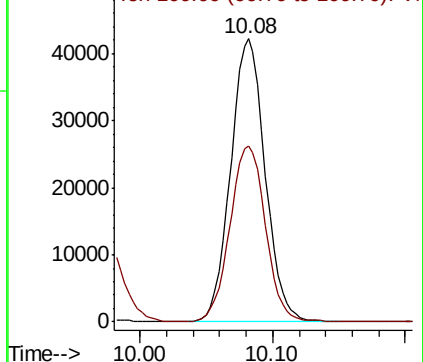
Ion Ratio Lower Upper

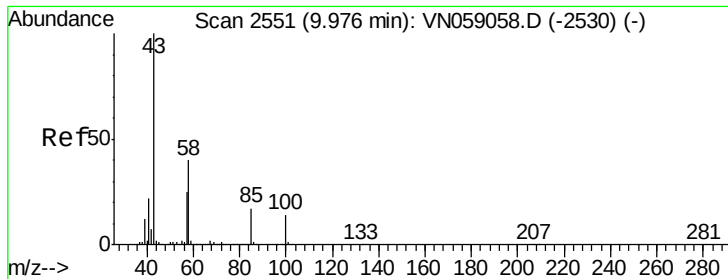
98 100

100 64.2 51.7 77.5



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: 24.814 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

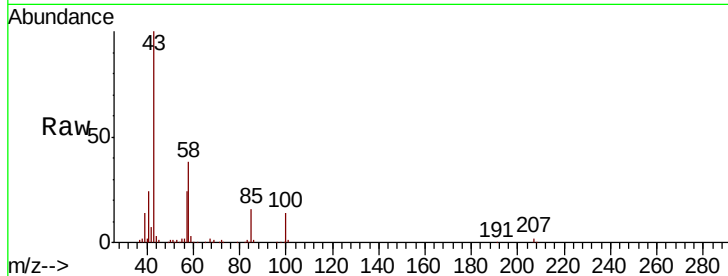
ClientSampleId :

Tot Ion: 43 Resp: 166837

Ion Ratio Lower Upper

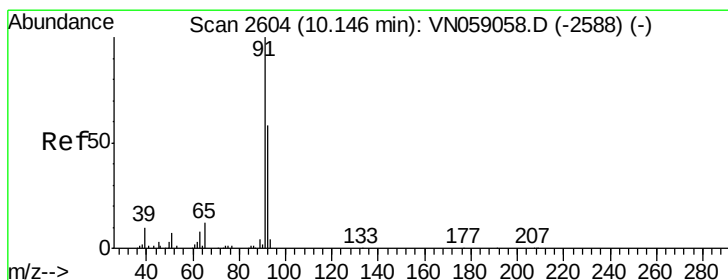
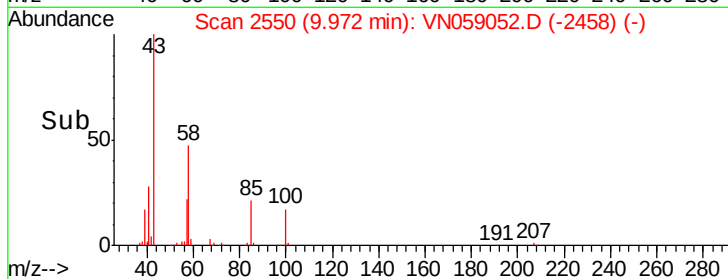
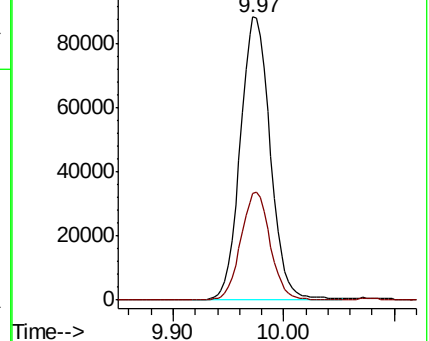
43 100

58 37.3 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN059058.D (-2530) (-)



#52

Toluene

Concen: 4.815 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059052.D

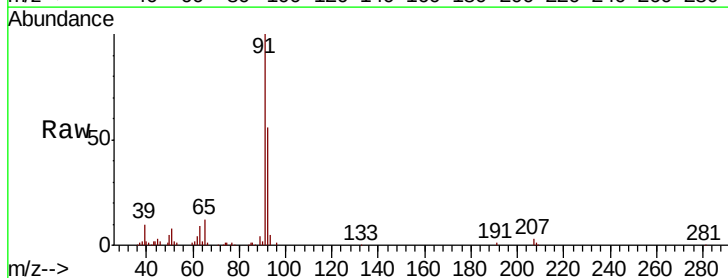
Acq: 1 Nov 2019 10:47

Tgt Ion: 92 Resp: 55401

Ion Ratio Lower Upper

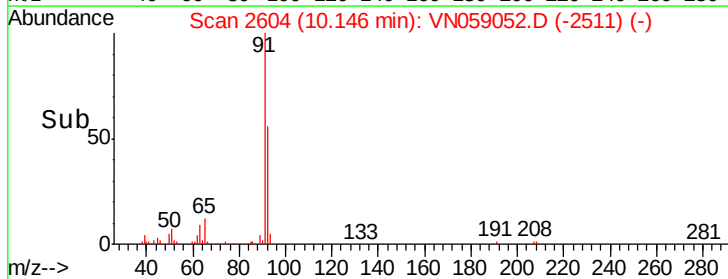
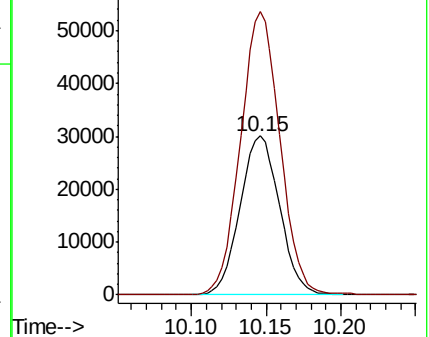
92 100

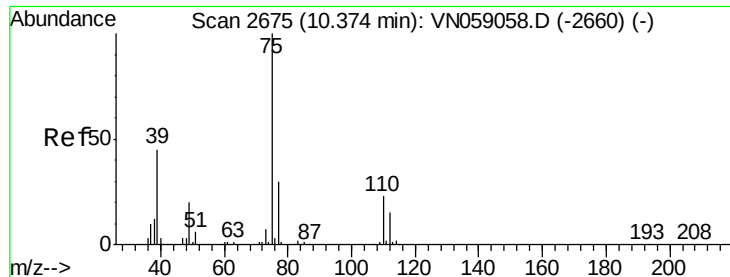
91 177.5 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN059058.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059058.D (-2588) (-)





#53

t-1,3-Dichloropropene

Concen: 4.638 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

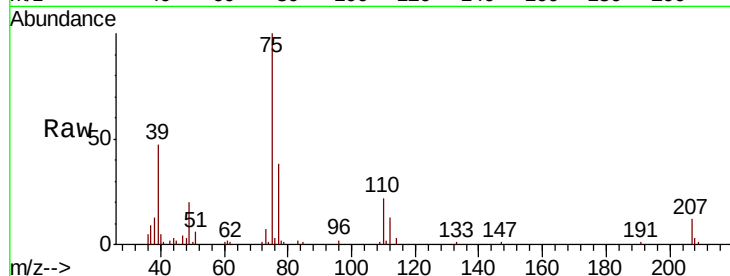
ClientSampleId :

Tot Ion: 75 Resp: 35517

Ion Ratio Lower Upper

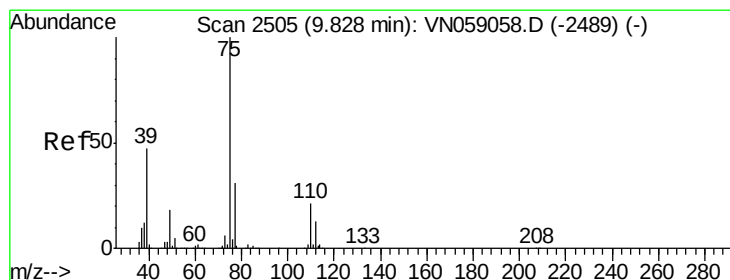
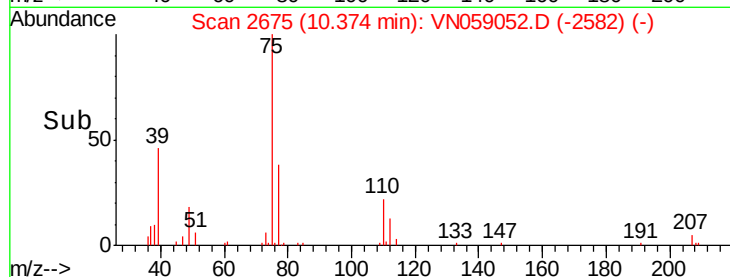
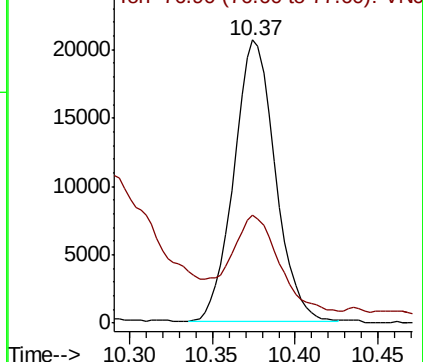
75 100

77 33.8 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.633 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

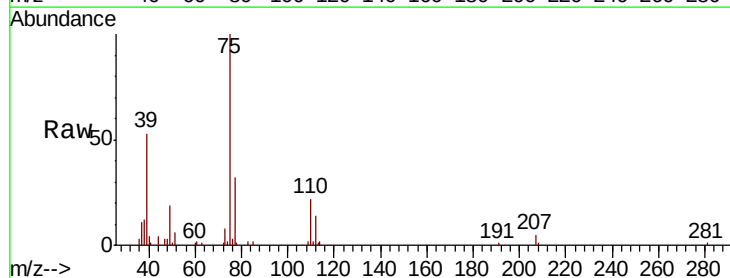
Tgt Ion: 75 Resp: 38003

Ion Ratio Lower Upper

75 100

77 32.3 24.6 37.0

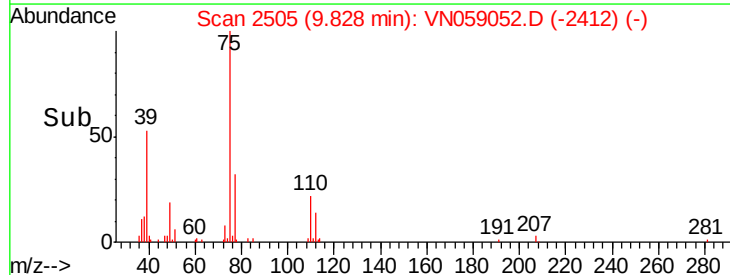
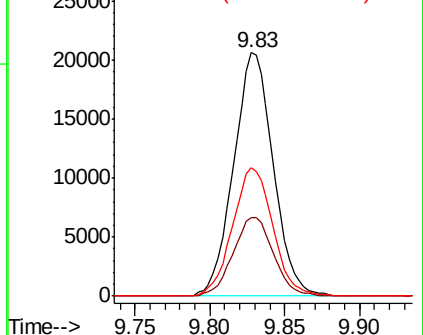
39 52.6 37.4 56.2

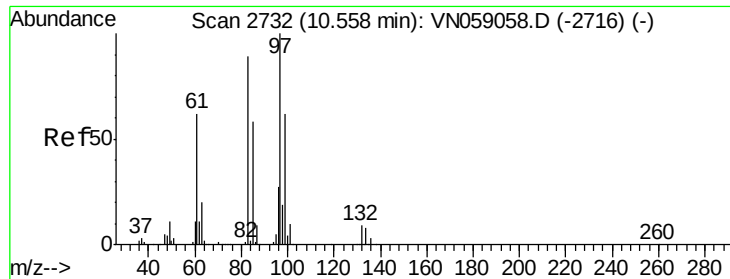


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 4.970 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

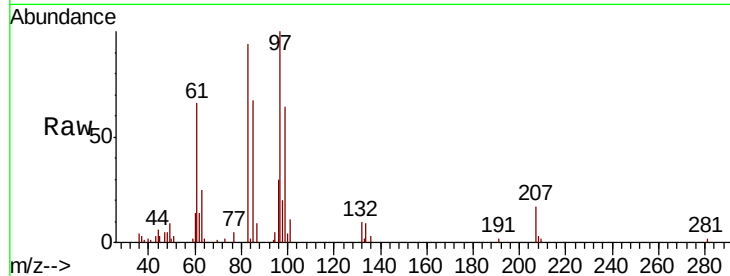
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 23595

Ion	Ratio	Lower	Upper
97	100		
83	93.8	71.4	107.2
85	66.6	46.6	70.0
99	64.2	49.7	74.5



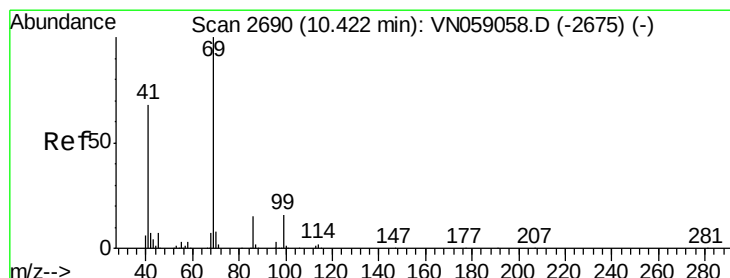
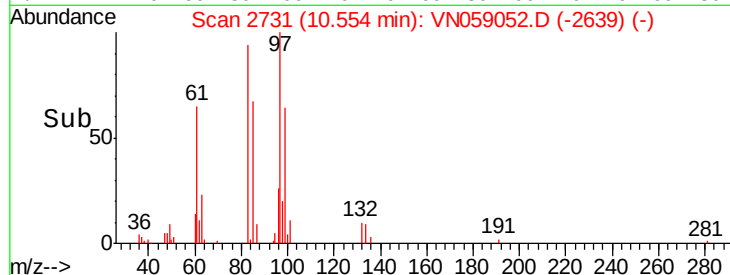
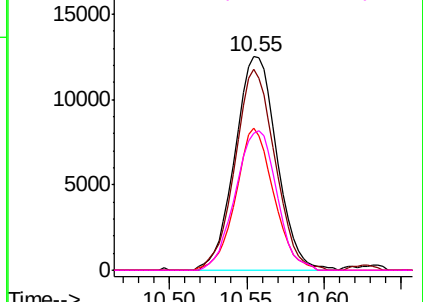
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 4.296 ug/l

RT: 10.42 min Scan# 2690

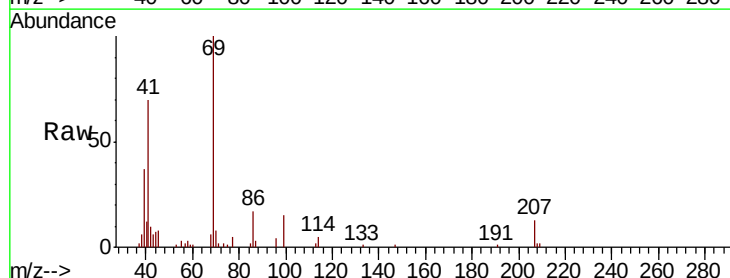
Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion: 69 Resp: 30113

Ion	Ratio	Lower	Upper
69	100		
41	74.1	53.8	80.8
39	38.7	26.2	39.2

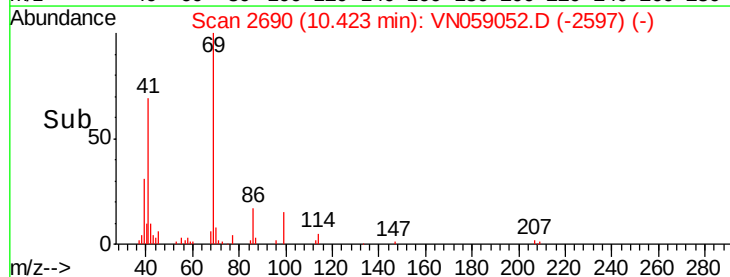
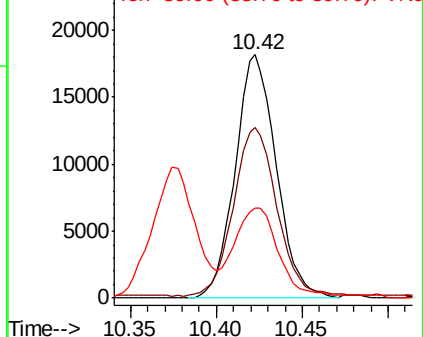


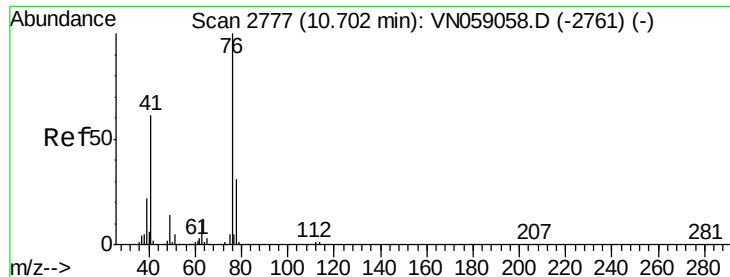
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 4.932 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

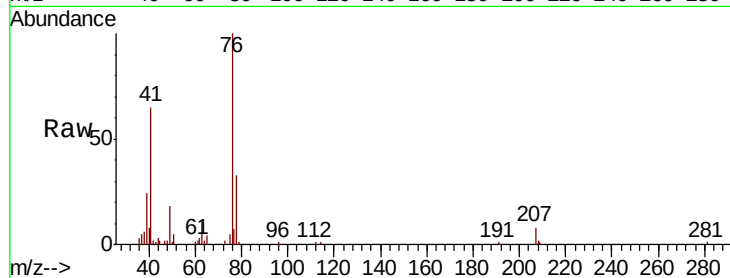
ClientSampled :

Tot Ion: 76 Resp: 40925

Ion Ratio Lower Upper

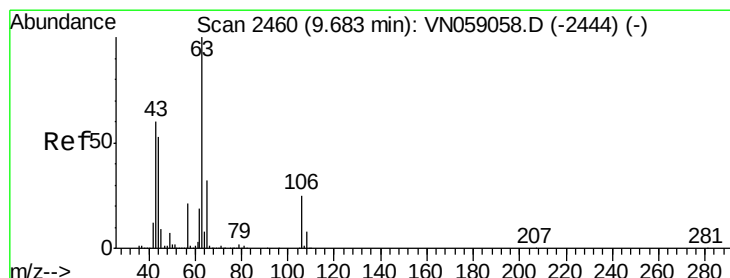
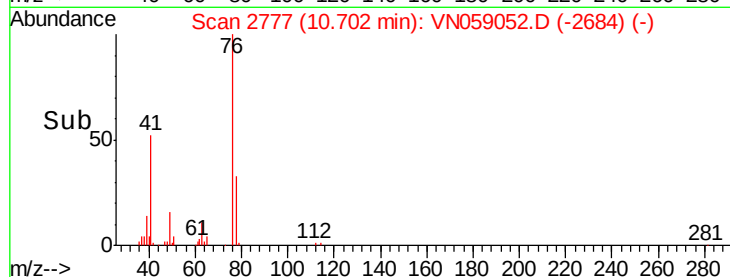
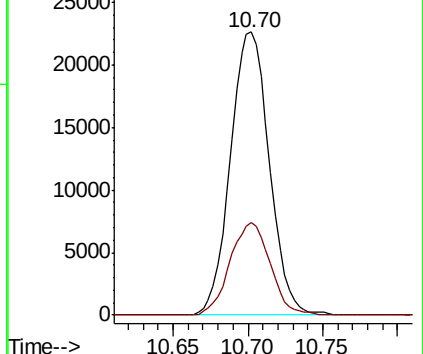
76 100

78 33.7 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 19.783 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059052.D

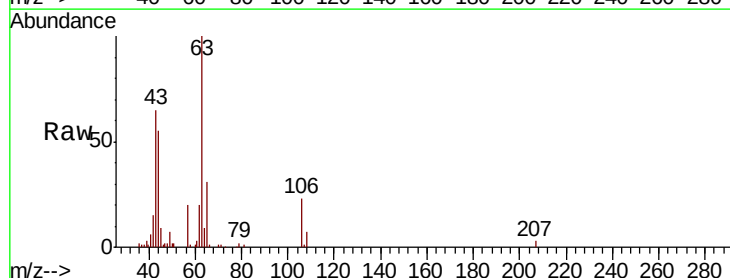
Acq: 1 Nov 2019 10:47

Tgt Ion: 63 Resp: 58303

Ion Ratio Lower Upper

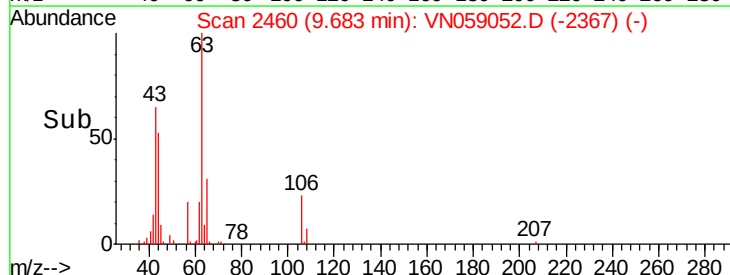
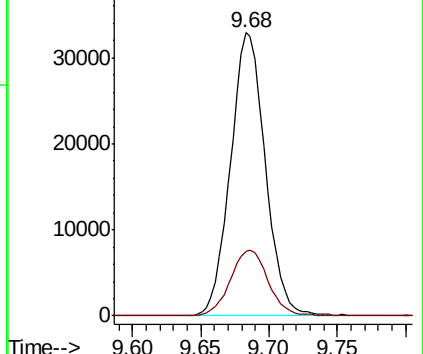
63 100

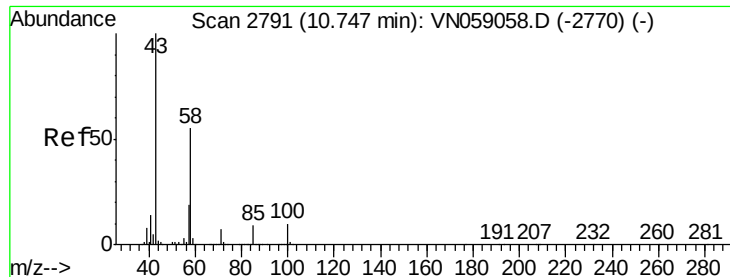
106 25.2 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

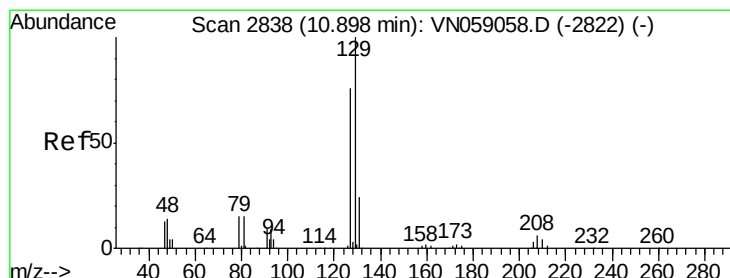
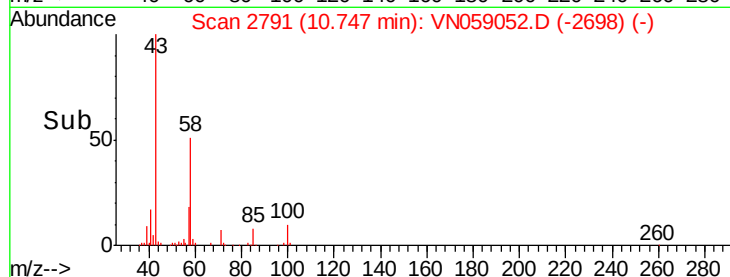
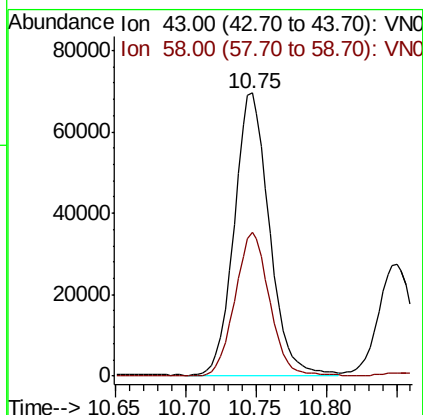
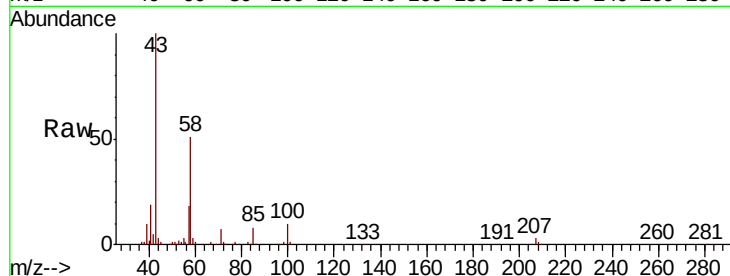




#59
2-Hexanone
Concen: 23.223 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

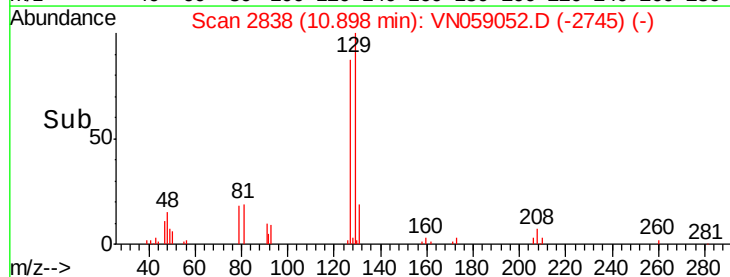
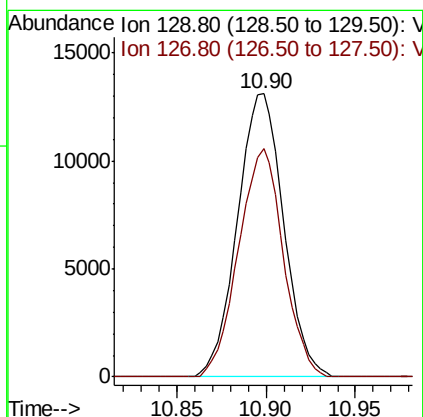
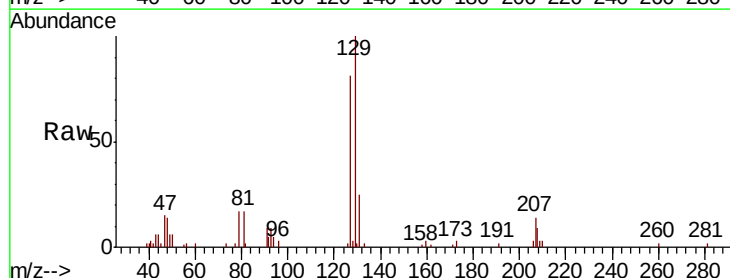
Instrument :
MSVOA_N
ClientSampled :

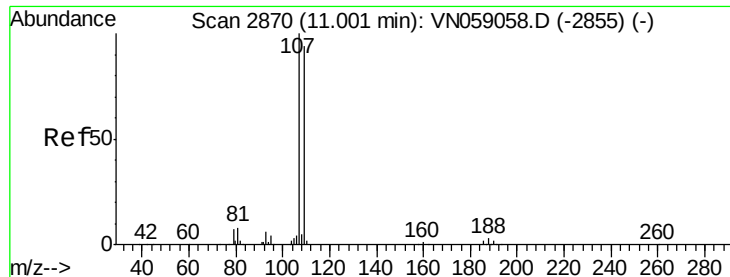
Tot Ion: 43 Resp: 120443
Ion Ratio Lower Upper
43 100
58 50.5 27.4 82.2



#60
Dibromochloromethane
Concen: 4.635 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion: 129 Resp: 23652
Ion Ratio Lower Upper
129 100
127 77.8 38.3 114.8

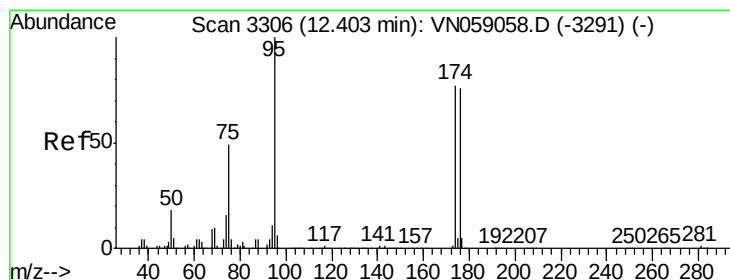
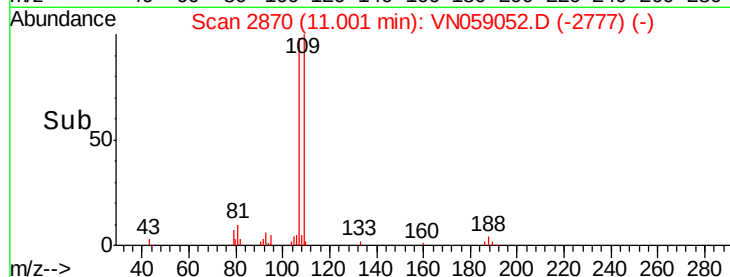
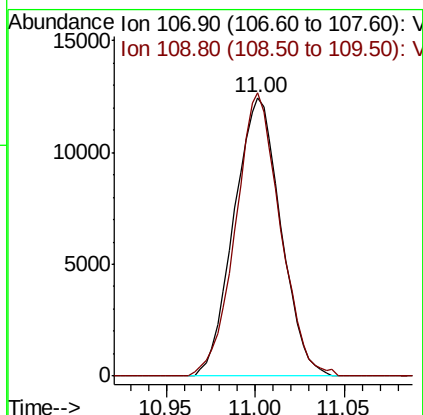
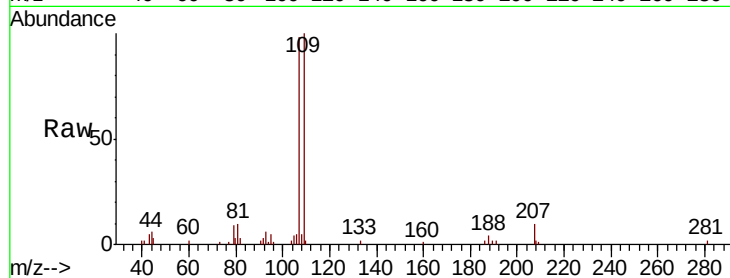




#61
 1,2-Dibromoethane
 Concen: 4.678 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

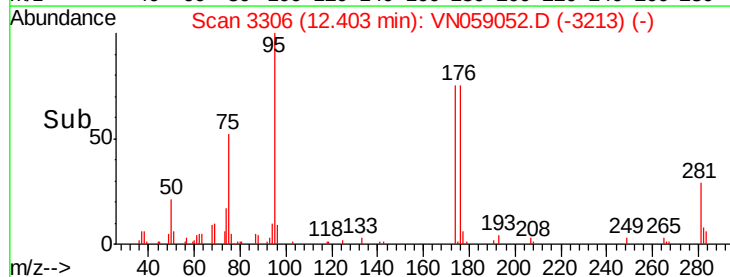
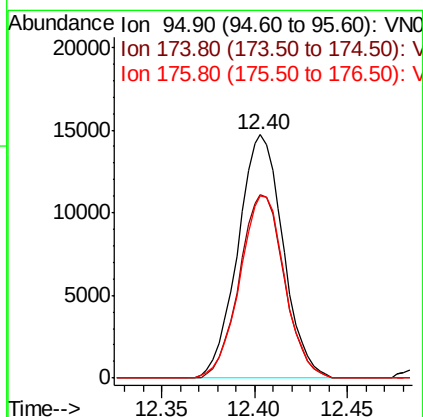
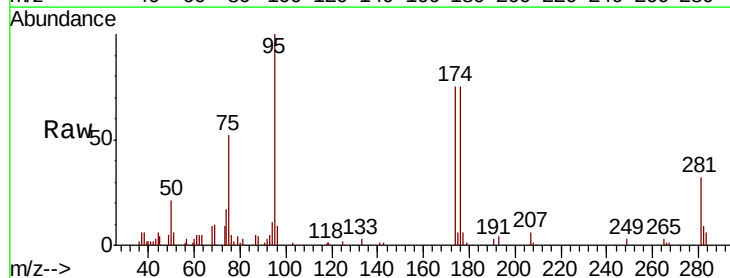
Instrument :
 MSVOA_N
 ClientSampleId :

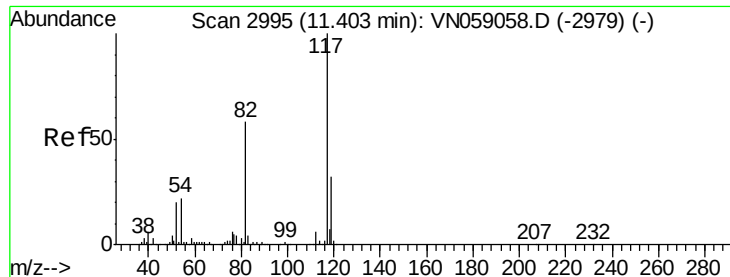
Tot Ion: 107 Resp: 22680
 Ion Ratio Lower Upper
 107 100
 109 97.4 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 4.065 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion: 95 Resp: 24919
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 155.8
 176 74.4 0.0 151.6

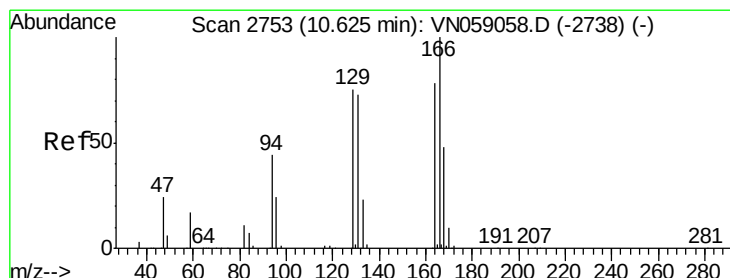
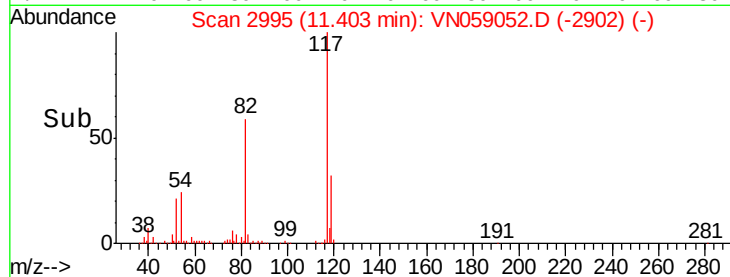
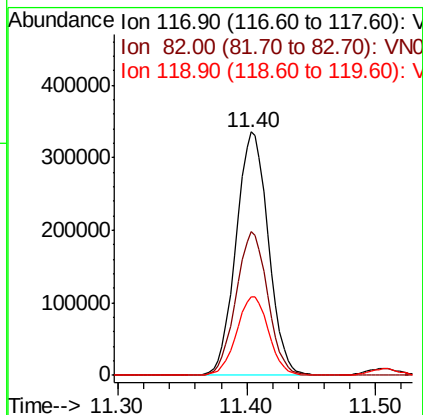
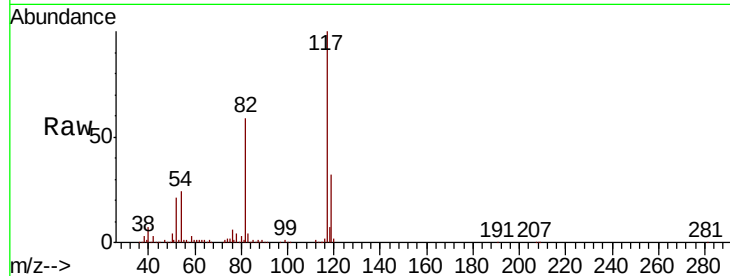




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

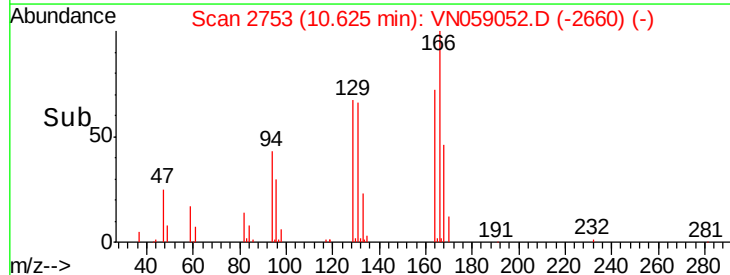
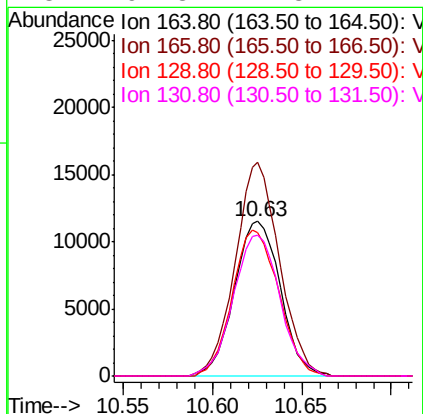
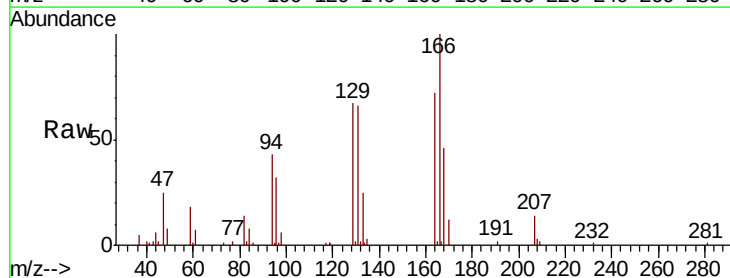
Instrument :
MSVOA_N
ClientSampled :

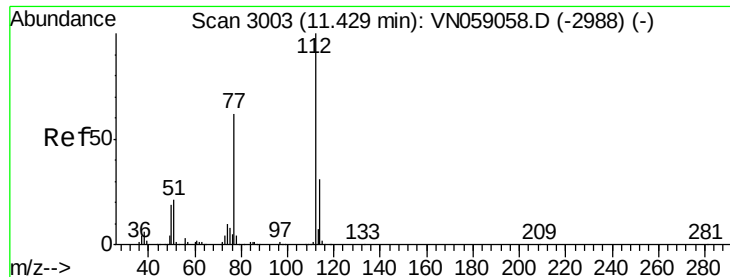
Tot Ion:117 Resp: 584788
Ion Ratio Lower Upper
117 100
82 58.9 46.0 69.0
119 32.4 25.6 38.4



#64
Tetrachloroethene
Concen: 5.078 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion:164 Resp: 20565
Ion Ratio Lower Upper
164 100
166 138.0 102.7 154.1
129 92.7 77.3 115.9
131 91.3 74.8 112.2

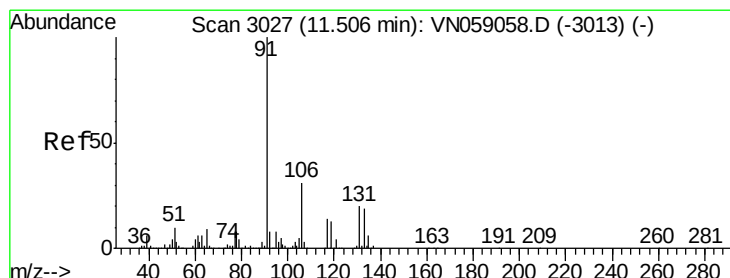
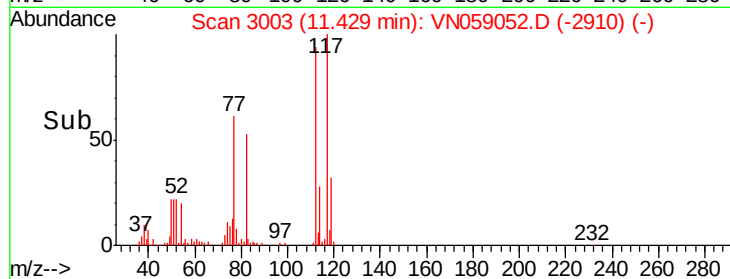
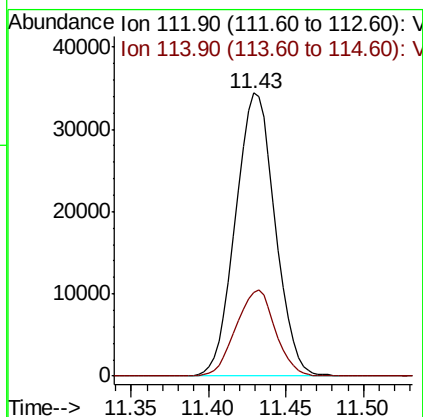
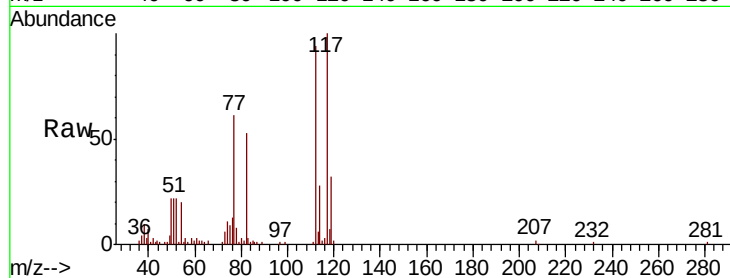




#65
Chlorobenzene
Concen: 5.196 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

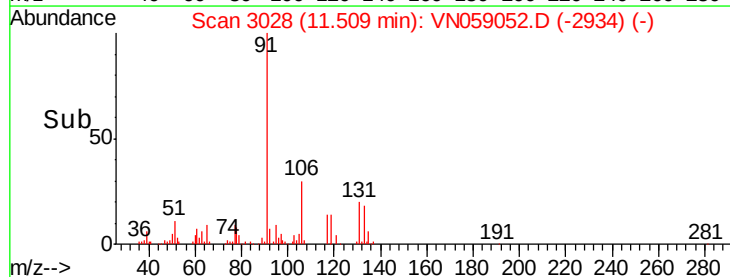
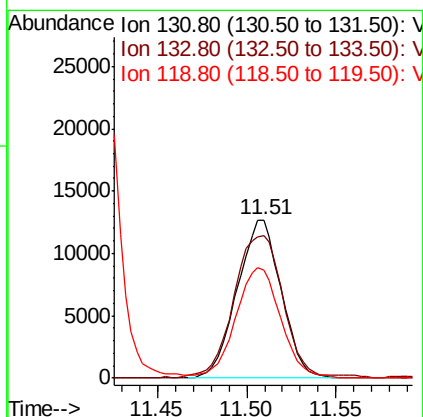
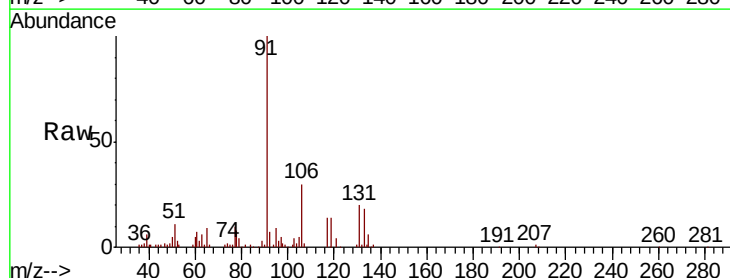
Instrument :
MSVOA_N
ClientSampled :

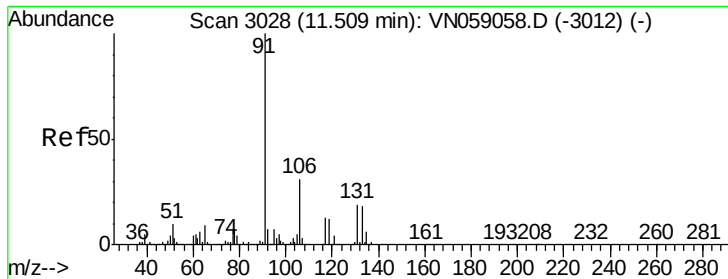
Tot Ion:112 Resp: 61251
Ion Ratio Lower Upper
112 100
114 29.8 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.926 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion:131 Resp: 21875
Ion Ratio Lower Upper
131 100
133 101.1 47.9 143.6
119 71.5 33.5 100.5

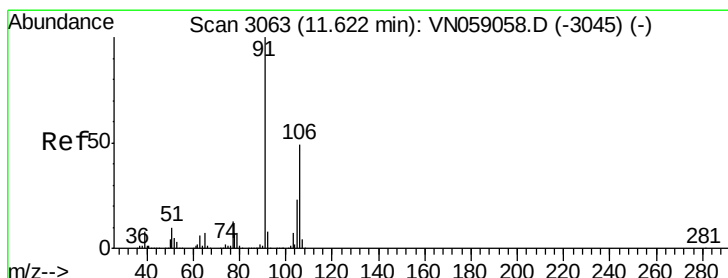
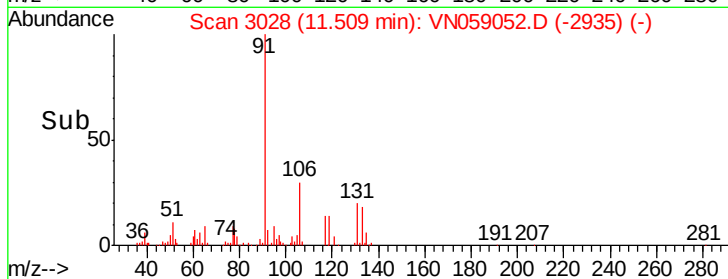
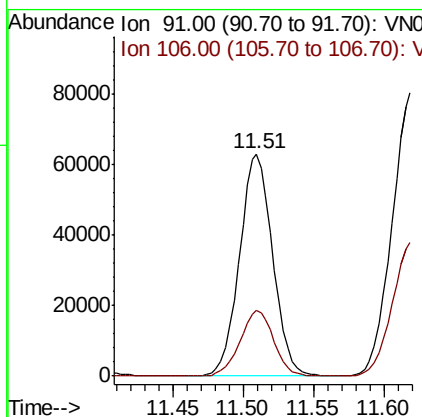
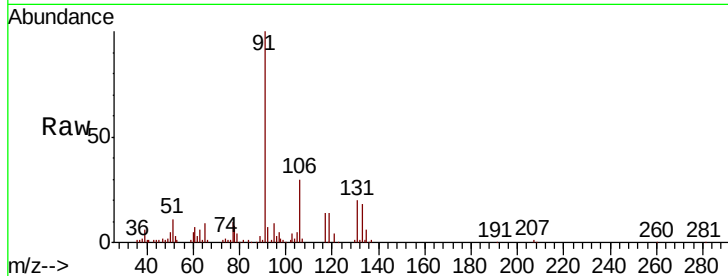




#67
Ethyl Benzene
Concen: 5.027 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

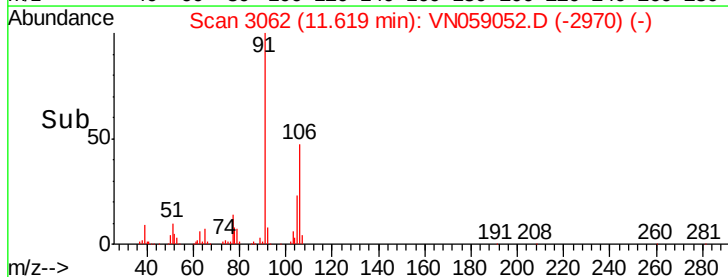
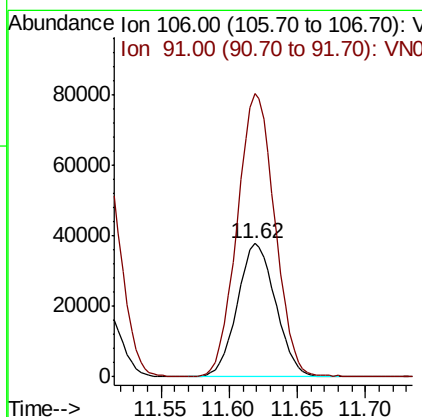
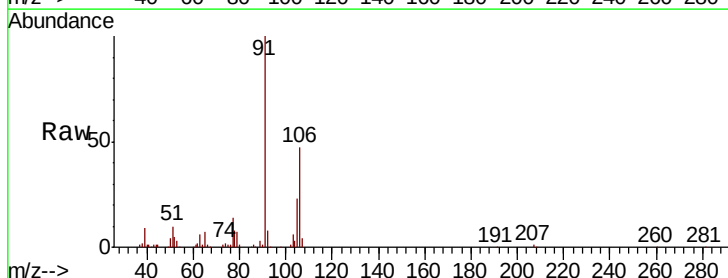
Instrument :
MSVOA_N
ClientSampled :

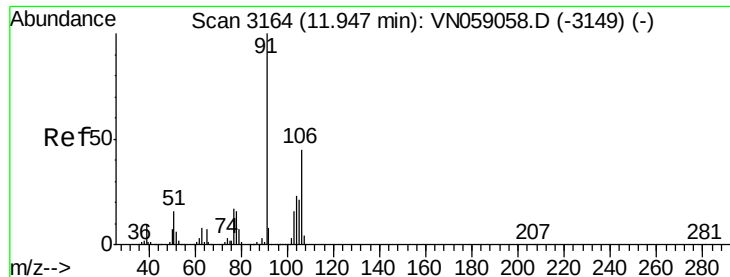
Tot Ion: 91 Resp: 103685
Ion Ratio Lower Upper
91 100
106 29.7 24.6 36.8



#68
m/p-Xylenes
Concen: 9.676 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion: 106 Resp: 73915
Ion Ratio Lower Upper
106 100
91 208.6 165.7 248.5

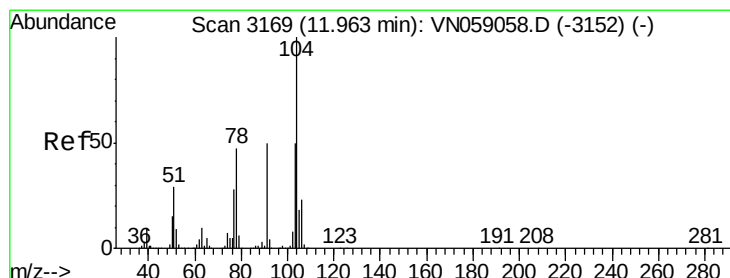
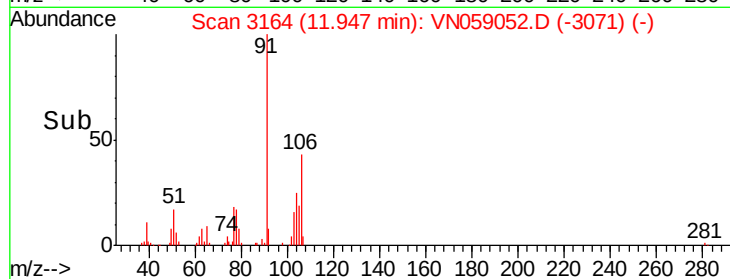
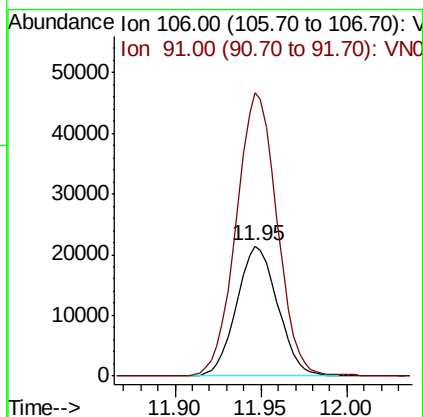
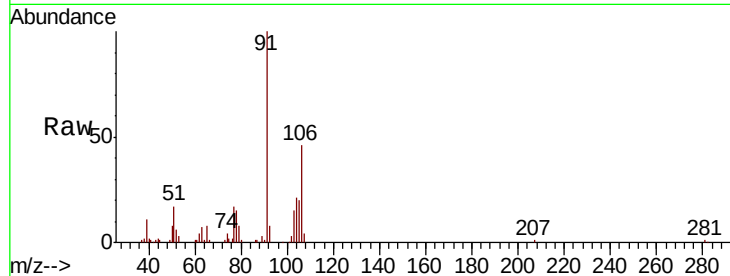




#69
o-Xylene
Concen: 4.863 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

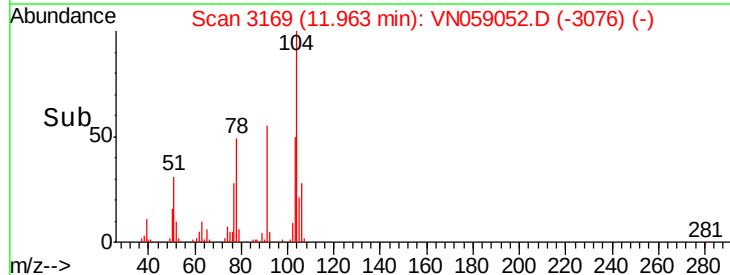
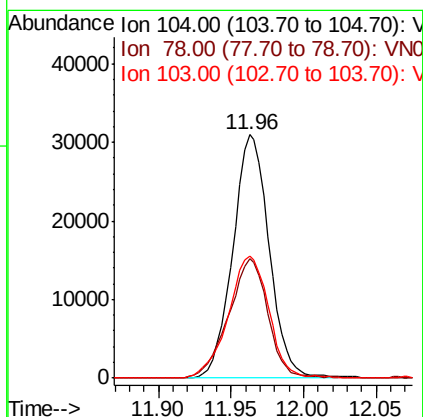
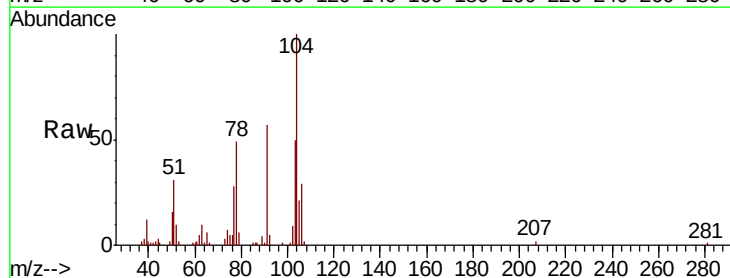
Instrument :
MSVOA_N
ClientSampled :

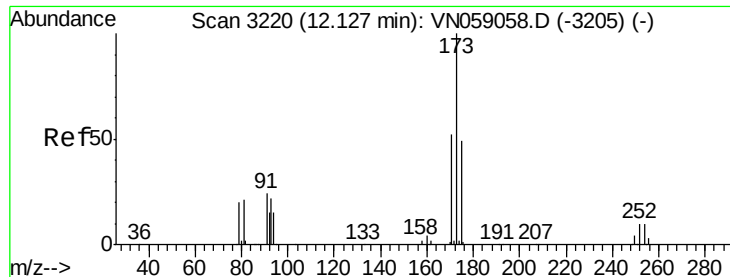
Tot Ion:106 Resp: 35526
Ion Ratio Lower Upper
106 100
91 218.0 110.4 331.2



#70
Styrene
Concen: 4.533 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion:104 Resp: 53994
Ion Ratio Lower Upper
104 100
78 52.7 41.2 61.8
103 55.4 43.9 65.9





#71

Bromoform

Concen: 4.417 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

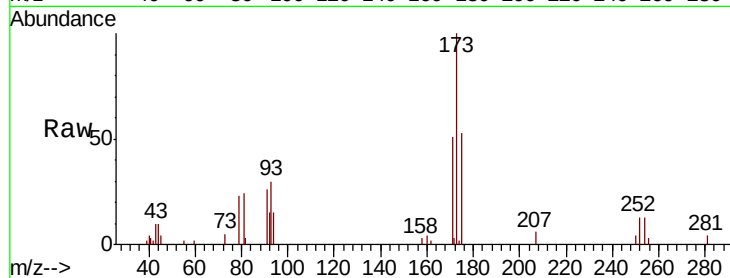
Tot Ion:173 Resp: 15282

Ion Ratio Lower Upper

173 100

175 52.0 24.4 73.2

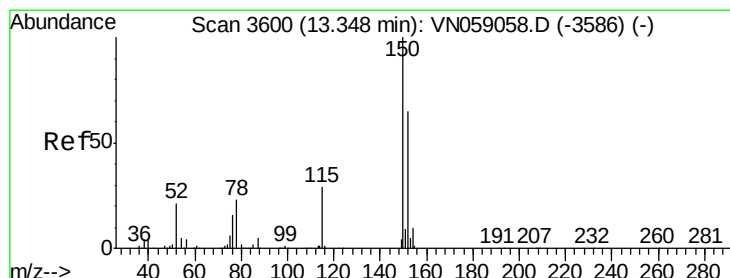
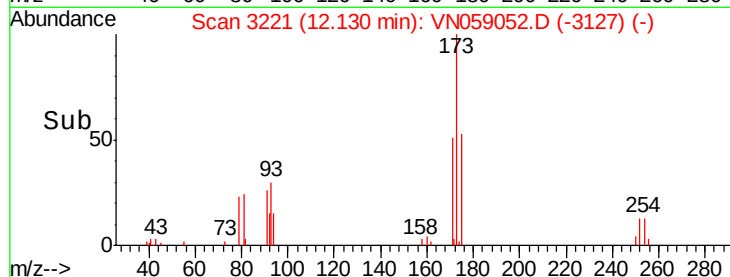
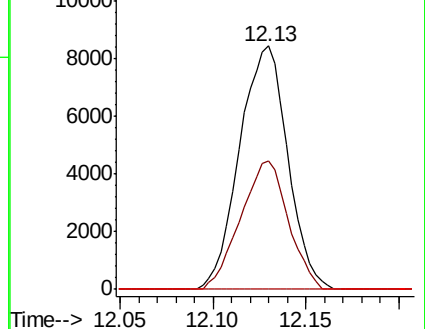
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

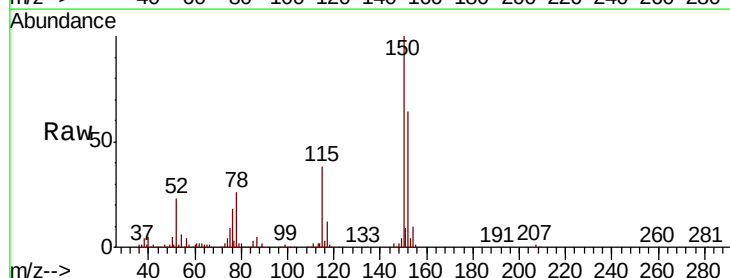
Tgt Ion:152 Resp: 238057

Ion Ratio Lower Upper

152 100

115 59.8 29.6 88.9

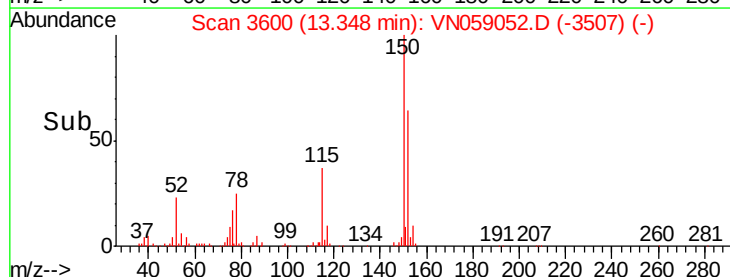
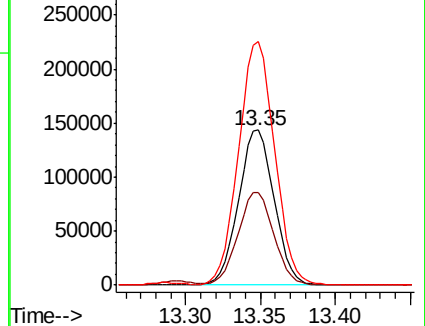
150 159.3 0.0 345.8

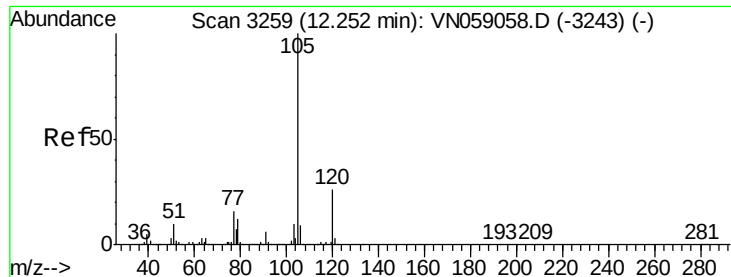


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

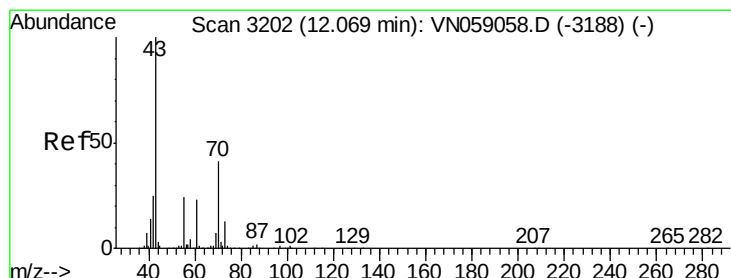
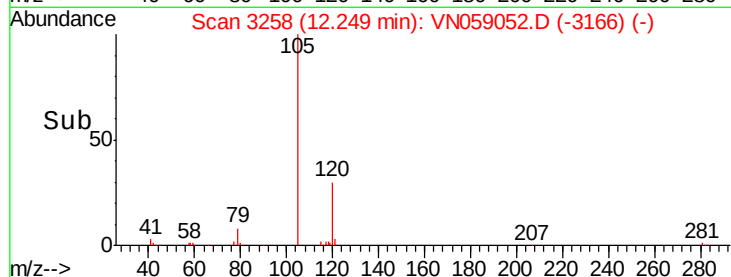
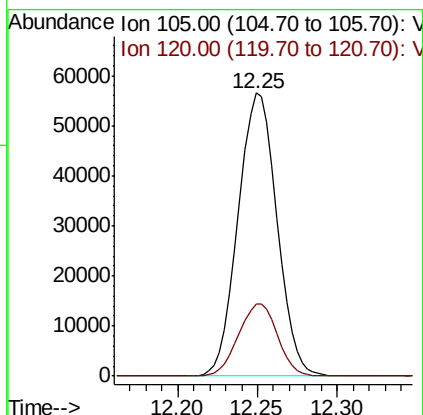
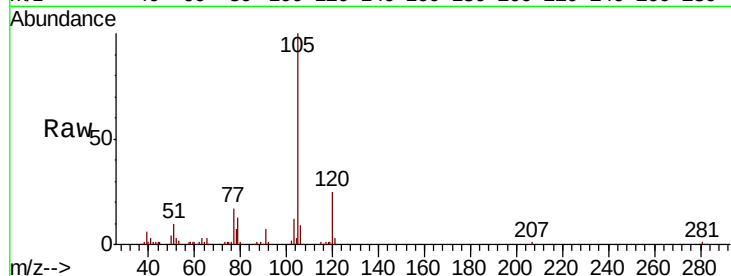




#73
Isopropylbenzene
Concen: 5.438 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

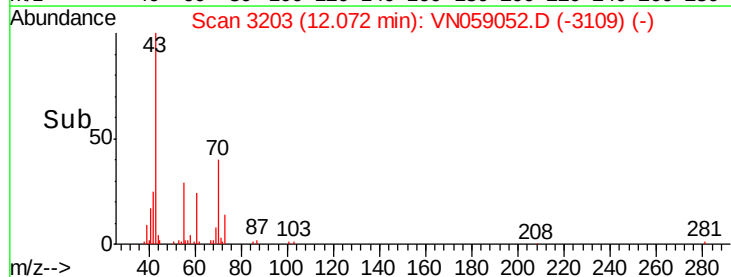
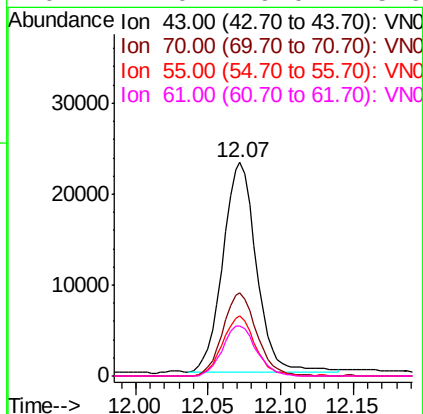
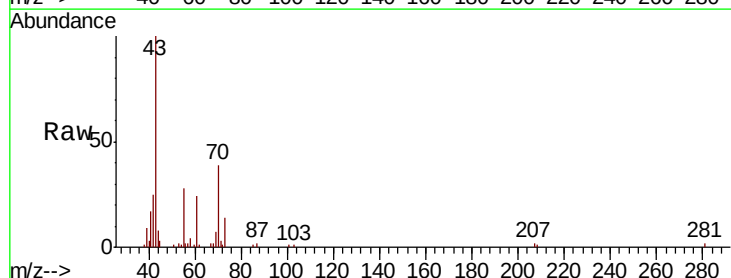
Instrument :
MSVOA_N
ClientSampled :

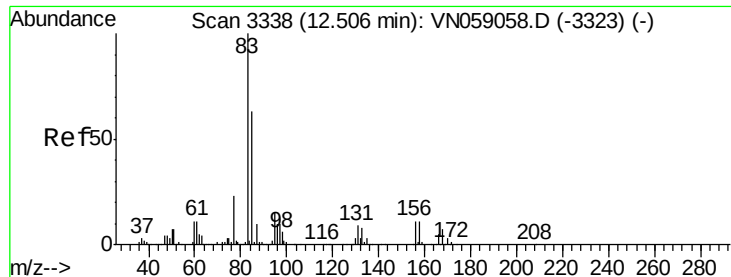
Tot Ion: 105 Resp: 93800
Ion Ratio Lower Upper
105 100
120 25.4 13.1 39.1



#74
N-ethyl acetate
Concen: 4.747 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion: 43 Resp: 36890
Ion Ratio Lower Upper
43 100
70 40.2 32.6 49.0
55 27.7 19.7 29.5
61 24.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.714 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

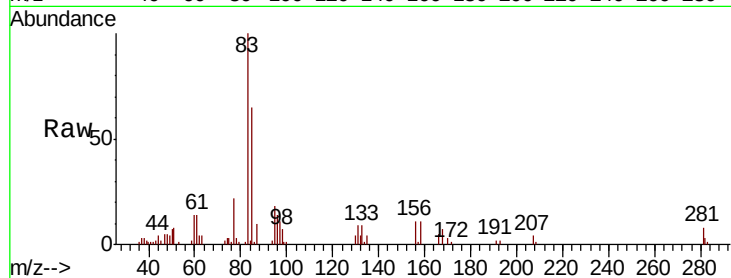
Tot Ion: 83 Resp: 34649

Ion Ratio Lower Upper

83 100

131 9.3 4.9 14.7

85 62.4 31.9 95.9

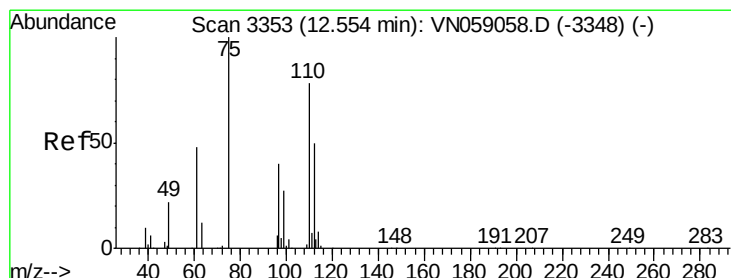
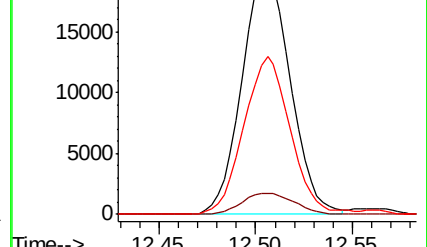
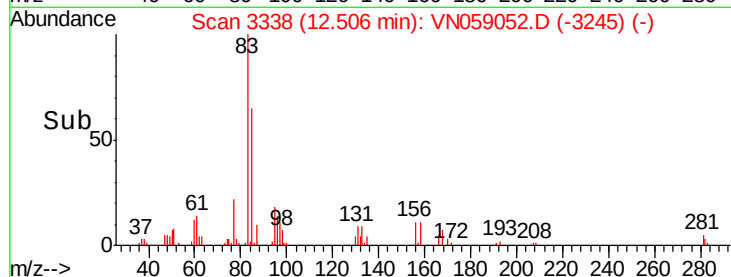


Abundance Ion 82.90 (82.60 to 83.60): VN059058.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN059058.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN059058.D (-3323) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 7.910 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059052.D

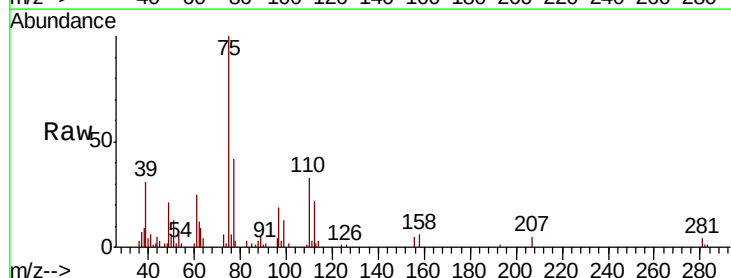
Acq: 1 Nov 2019 10:47

Tgt Ion: 75 Resp: 43673

Ion Ratio Lower Upper

75 100

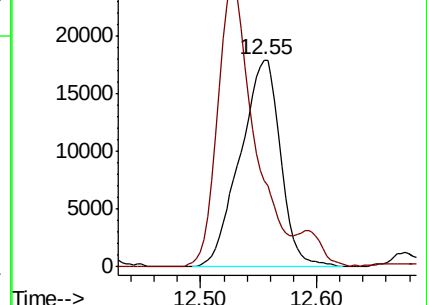
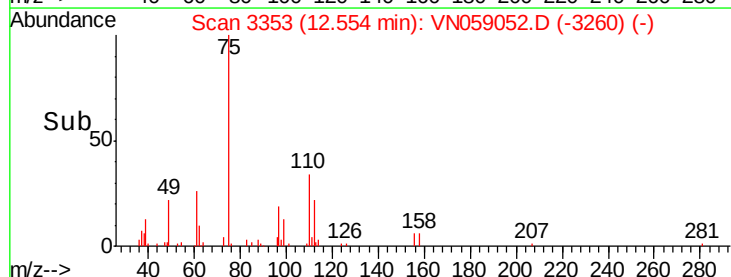
77 0.0 0.0 0.0

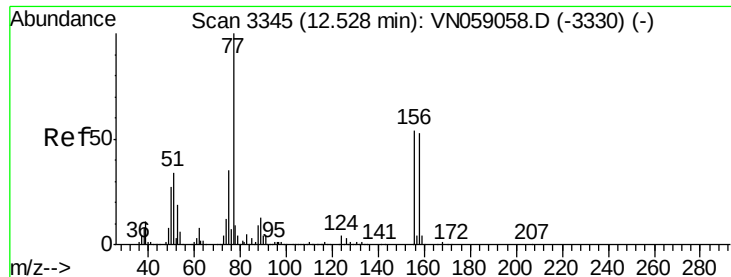


Abundance Ion 74.90 (74.60 to 75.60): VN059058.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN059058.D (-3348) (-)

Time-->





#77

Bromobenzene

Concen: 5.412 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

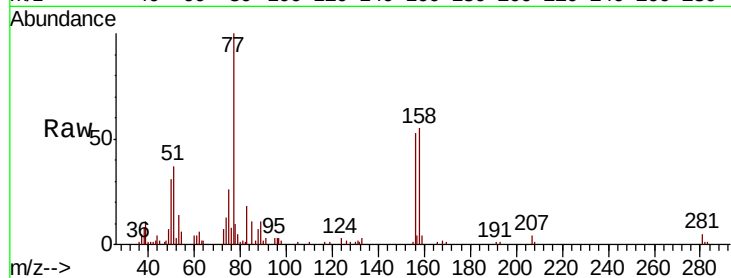
Tot Ion:156 Resp: 23045

Ion Ratio Lower Upper

156 100

77 237.2 114.2 342.6

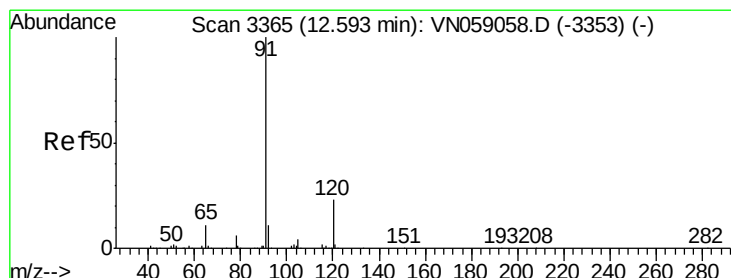
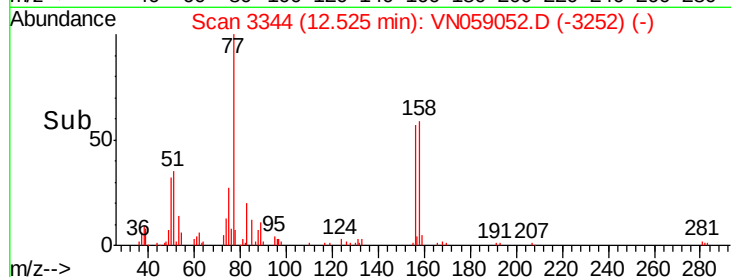
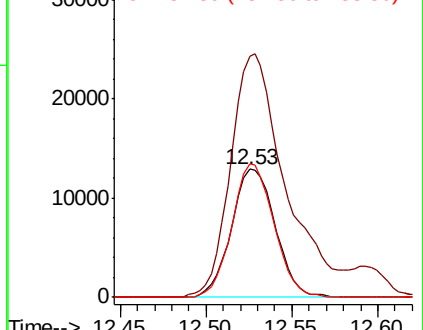
158 99.4 49.6 149.0



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: 5.224 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059052.D

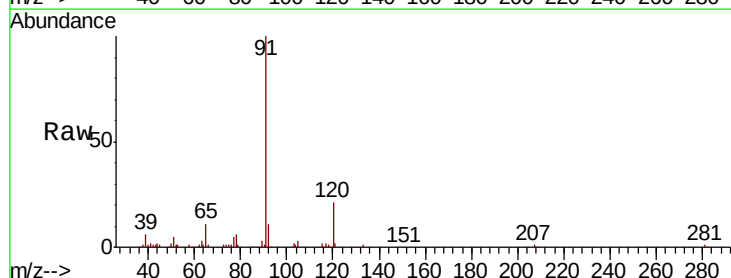
Acq: 1 Nov 2019 10:47

Tgt Ion: 91 Resp: 106389

Ion Ratio Lower Upper

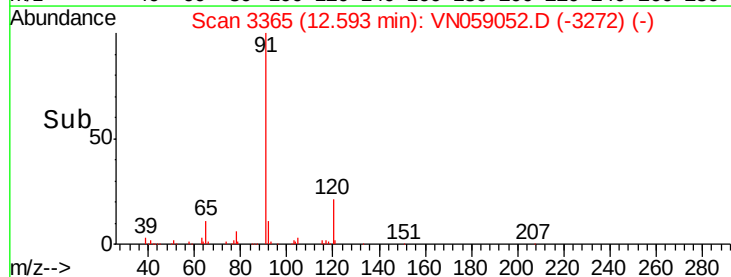
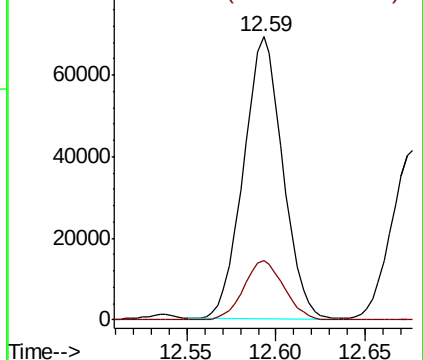
91 100

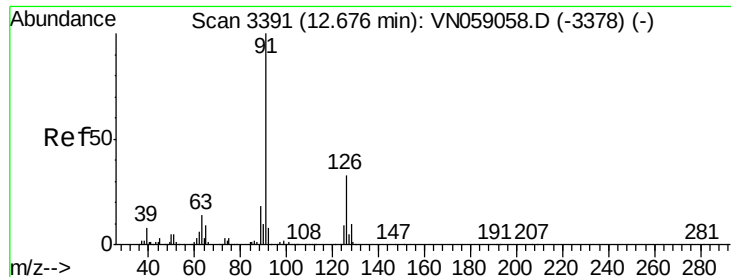
120 21.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.389 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

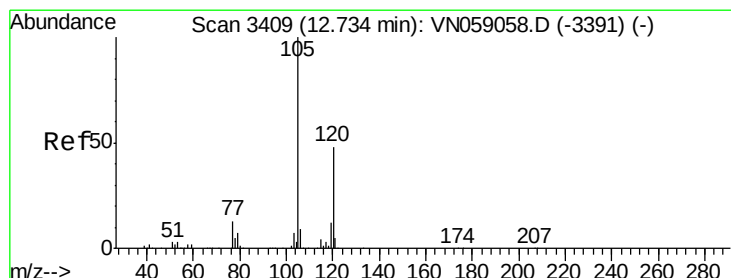
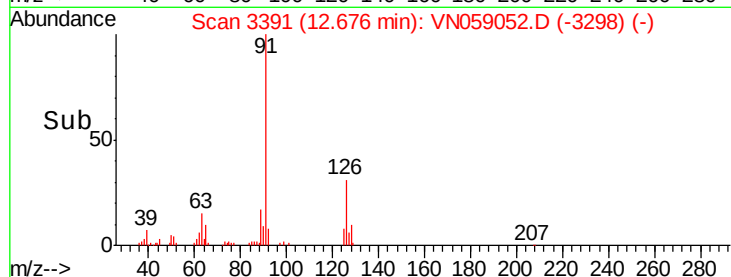
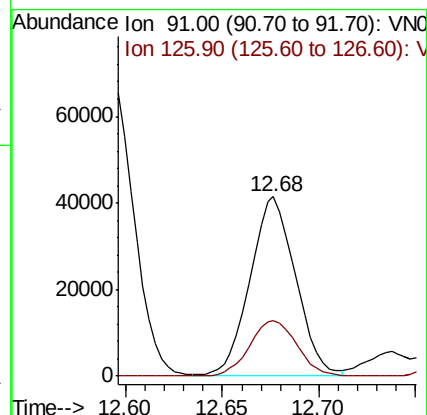
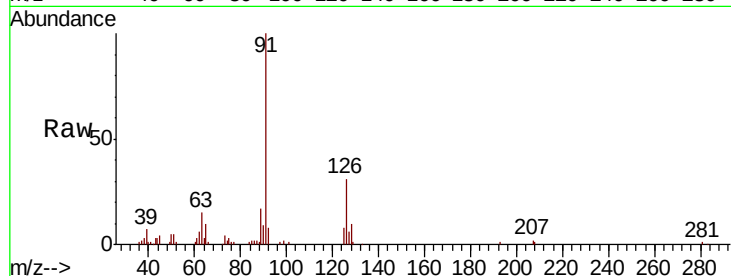
ClientSampleId :

Tot Ion: 91 Resp: 67273

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 5.385 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059052.D

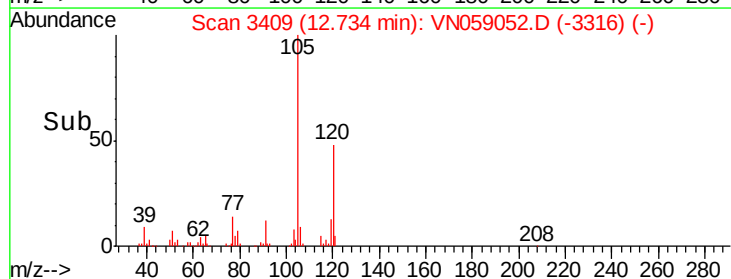
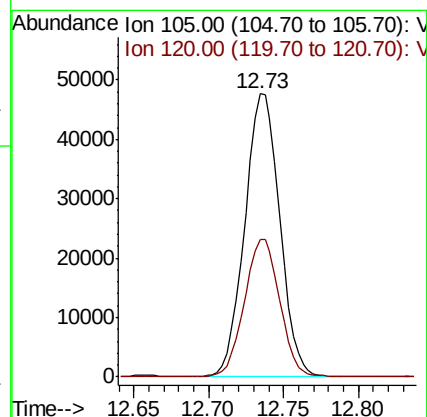
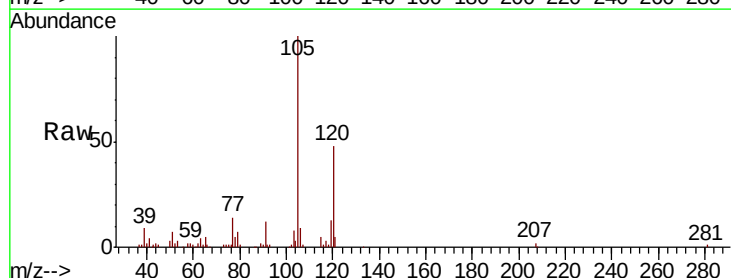
Acq: 1 Nov 2019 10:47

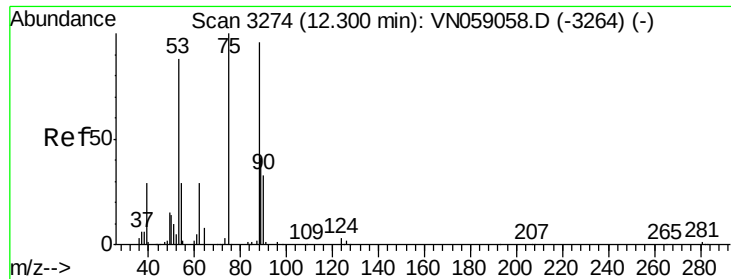
Tgt Ion: 105 Resp: 77782

Ion Ratio Lower Upper

105 100

120 48.9 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 5.026 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

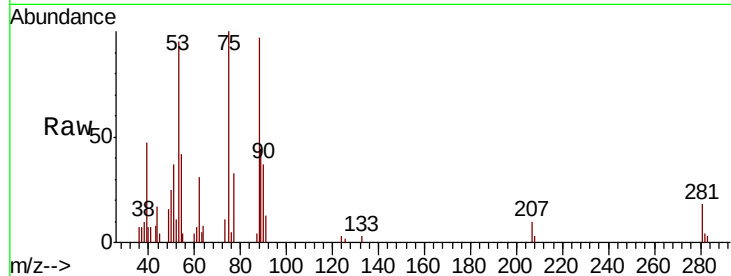
Tot Ion: 75 Resp: 10631

Ion Ratio Lower Upper

75 100

53 97.4 70.4 105.6

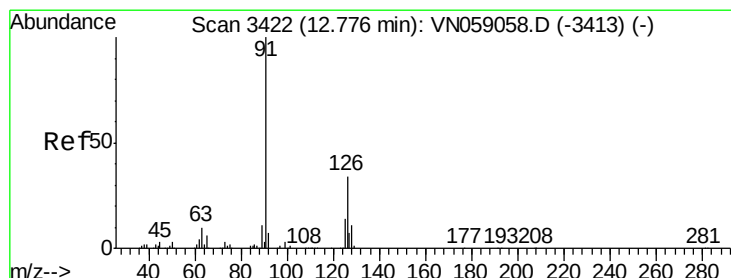
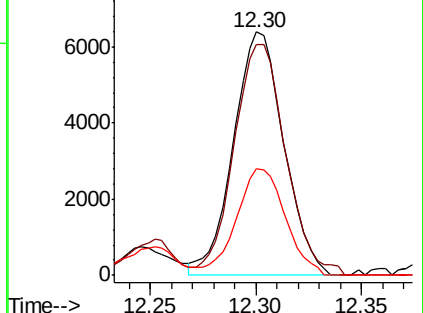
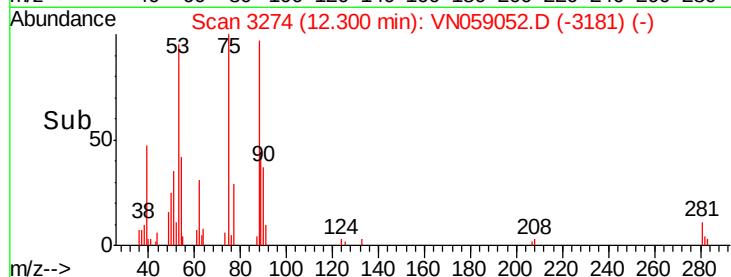
89 42.5 34.2 51.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 5.213 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059052.D

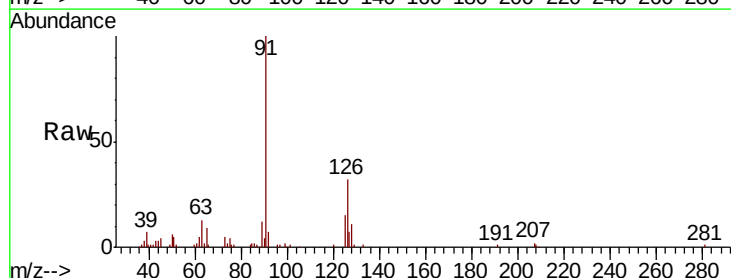
Acq: 1 Nov 2019 10:47

Tgt Ion: 91 Resp: 66306

Ion Ratio Lower Upper

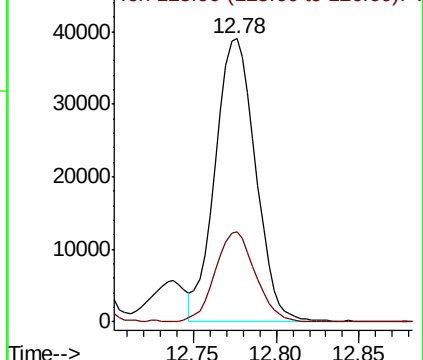
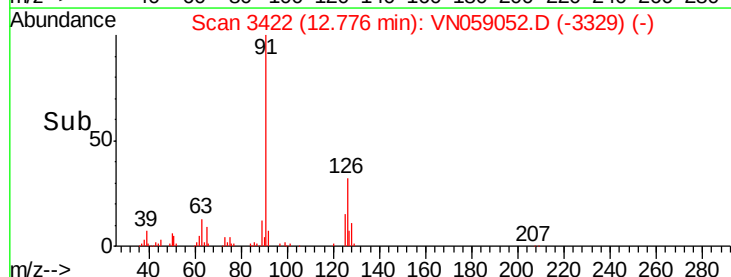
91 100

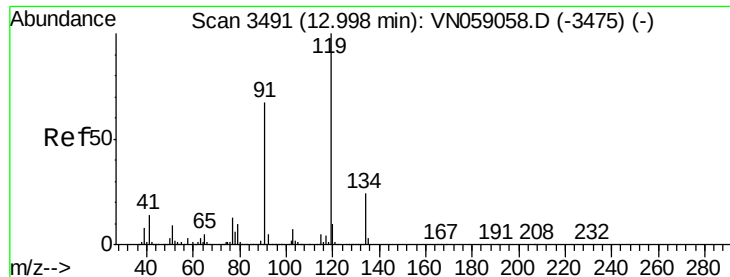
126 31.4 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

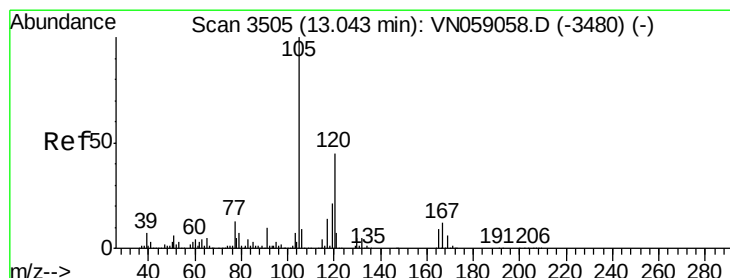
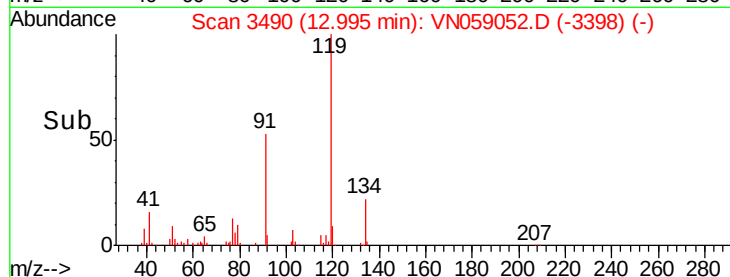
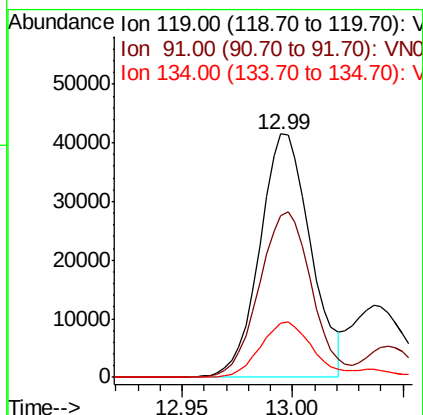
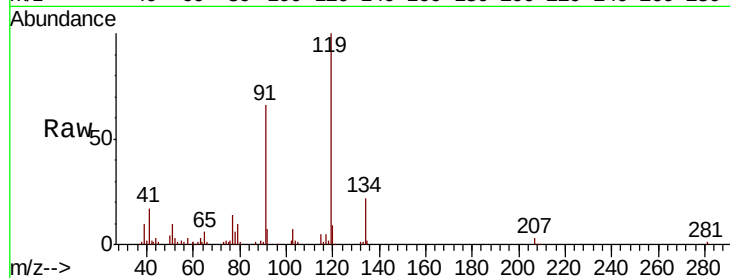




#83
 tert-Butylbenzene
 Concen: 5.364 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

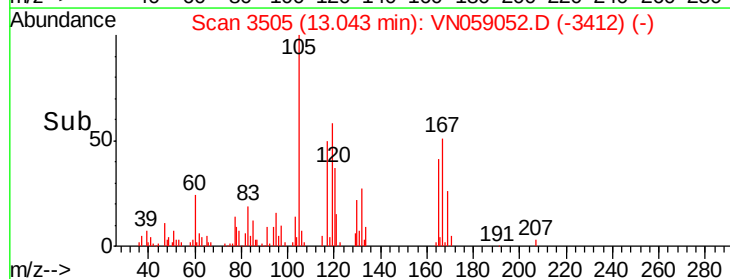
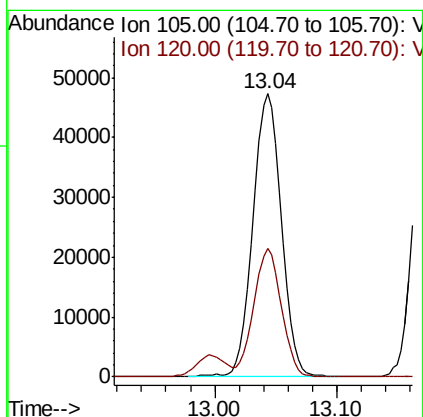
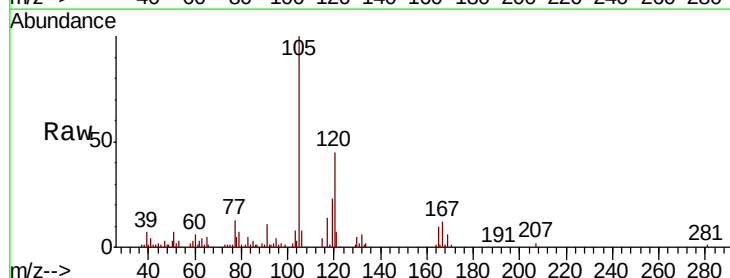
Instrument :
 MSVOA_N
 ClientSampled :

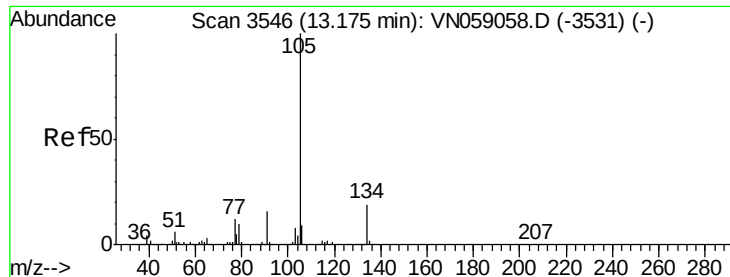
Tot Ion:119 Resp: 66349
 Ion Ratio Lower Upper
 119 100
 91 70.3 33.7 101.0
 134 23.4 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 5.332 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion:105 Resp: 75917
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.3 66.9





#85

sec-Butylbenzene

Concen: 5.279 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

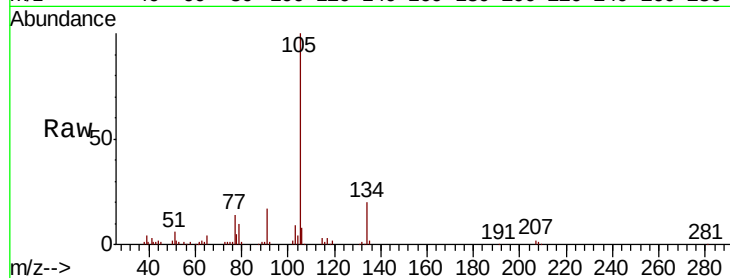
ClientSampleId :

Tot Ion:105 Resp: 86873

Ion Ratio Lower Upper

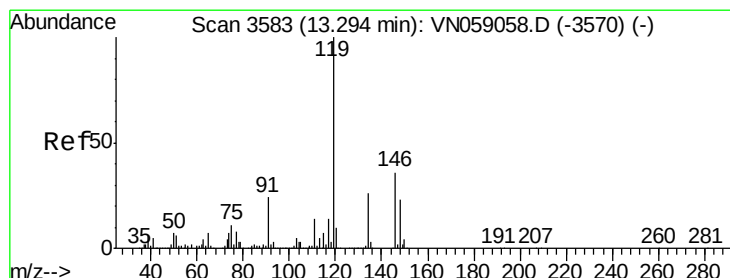
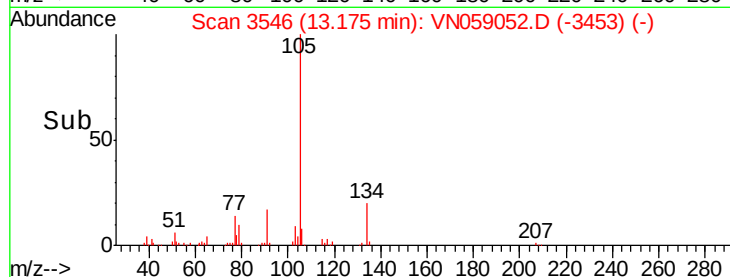
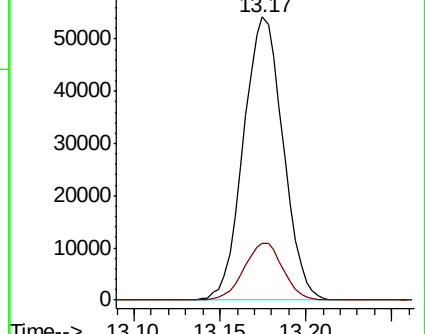
105 100

134 19.8 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.187 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

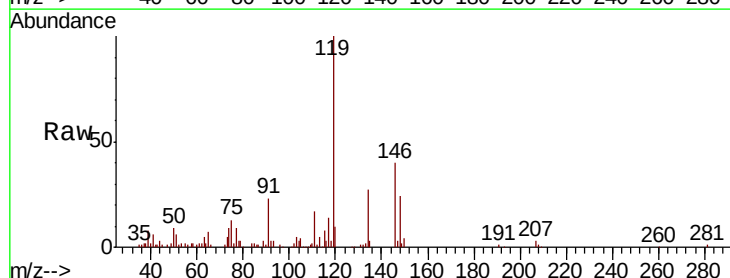
Tgt Ion:119 Resp: 75429

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

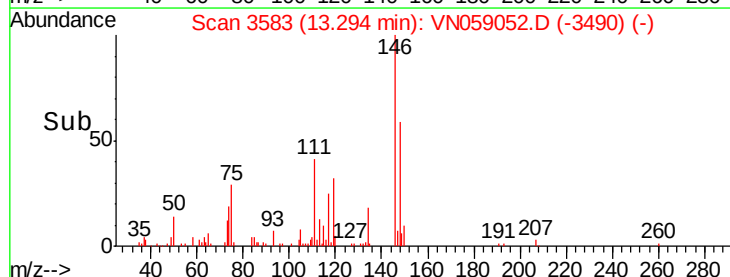
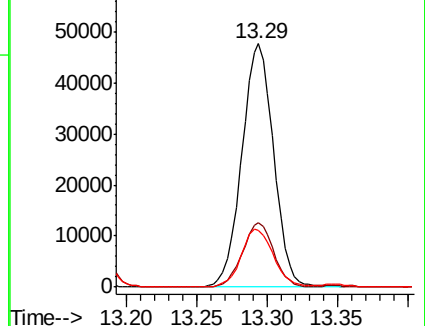
91 24.1 12.0 36.0

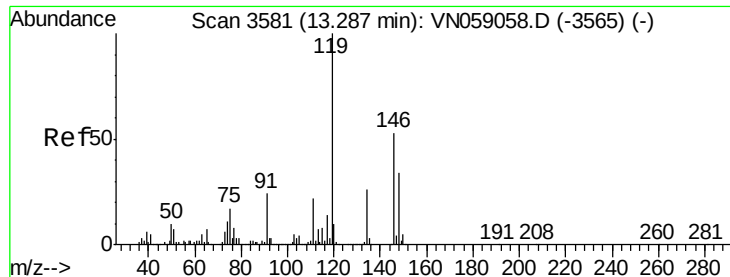


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

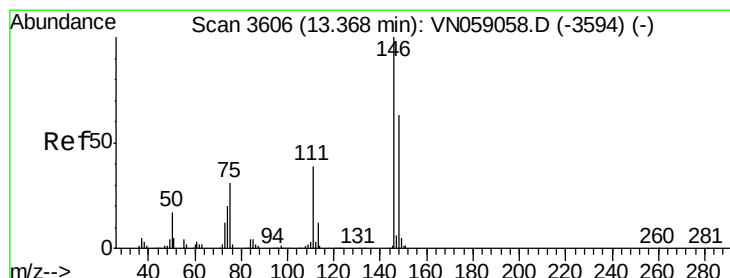
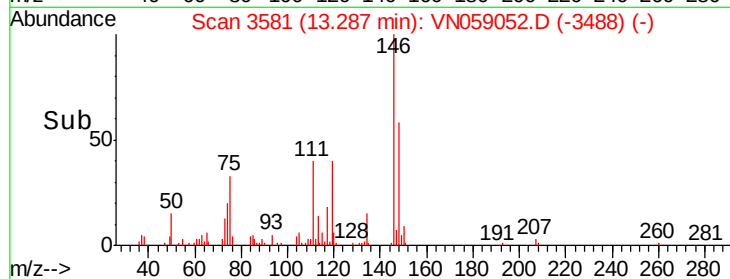
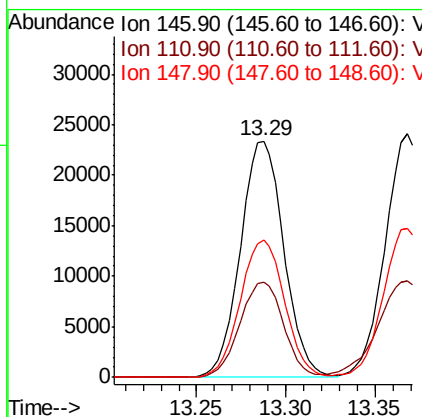
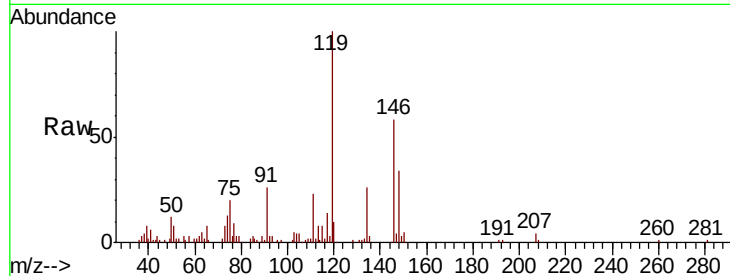




#87
 1,3-Dichlorobenzene
 Concen: 5.234 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

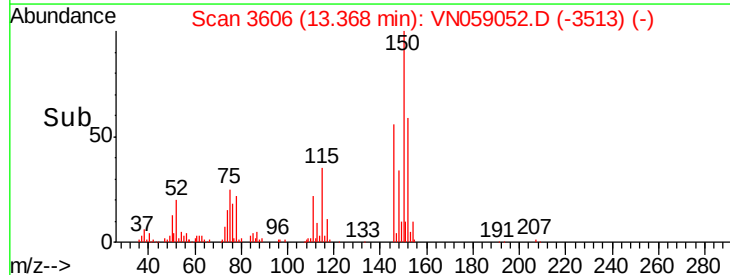
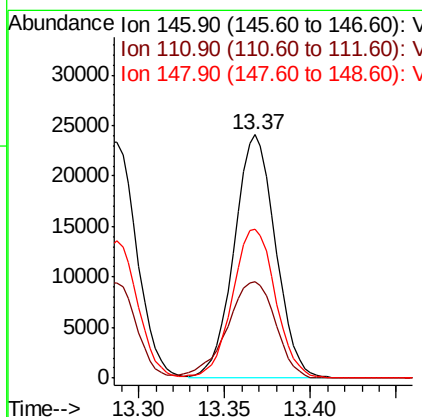
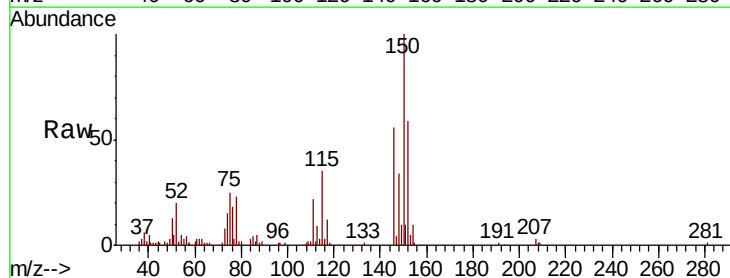
Instrument :
 MSVOA_N
 ClientSampleId :

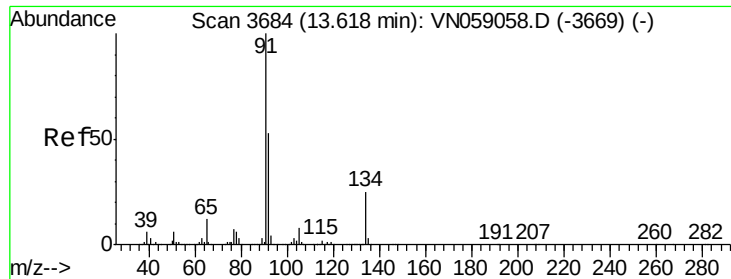
Tot Ion:146 Resp: 39739
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.5 61.5
 148 59.3 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 5.320 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion:146 Resp: 40416
 Ion Ratio Lower Upper
 146 100
 111 46.5 20.1 60.2
 148 63.8 31.9 95.7





#89

n-Butylbenzene

Concen: 4.675 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

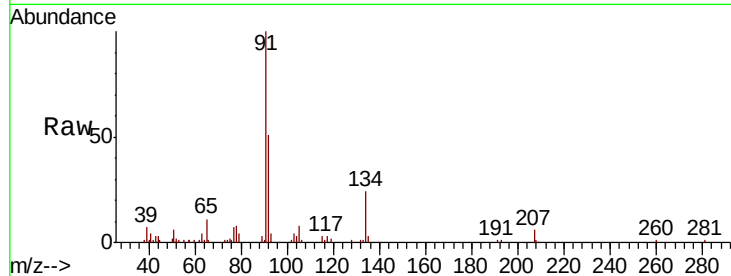
Tot Ion: 91 Resp: 62073

Ion Ratio Lower Upper

91 100

92 50.9 26.4 79.0

134 24.4 12.5 37.5

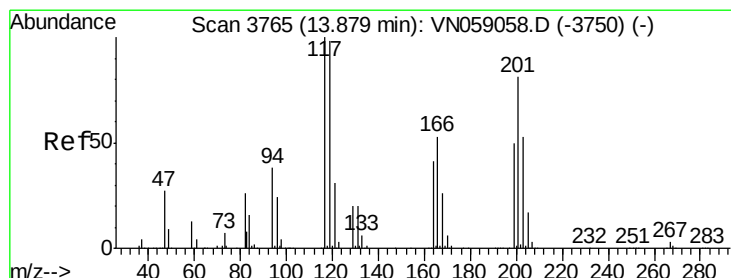
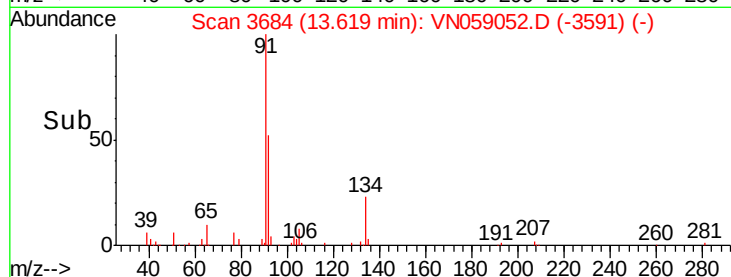


Abundance Ion 91.00 (90.70 to 91.70): VN059058.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059058.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059058.D (-3669) (-)

Time-->



#90

Hexachloroethane

Concen: 5.430 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN059052.D

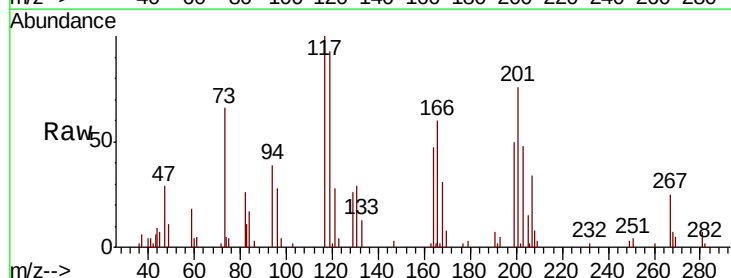
Acq: 1 Nov 2019 10:47

Tgt Ion: 117 Resp: 16027

Ion Ratio Lower Upper

117 100

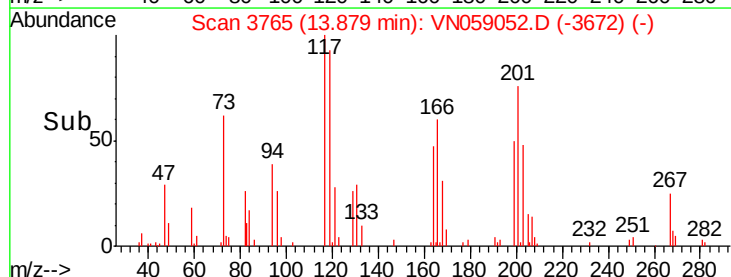
201 77.9 40.7 122.1

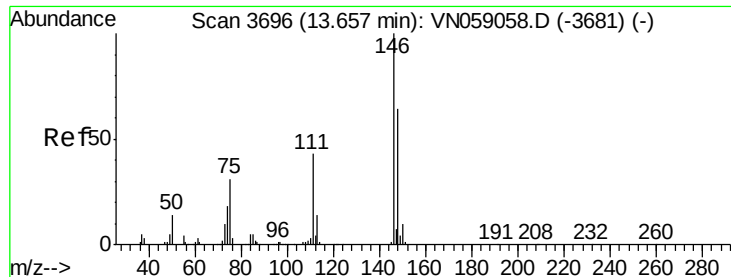


Abundance Ion 116.80 (116.50 to 117.50): VN059058.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059058.D (-3750) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 5.446 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

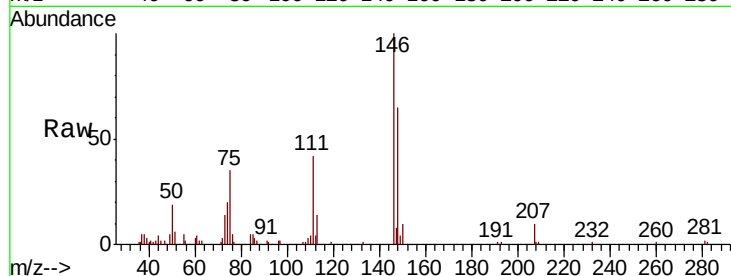
Tot Ion:146 Resp: 40561

Ion Ratio Lower Upper

146 100

111 41.0 21.2 63.6

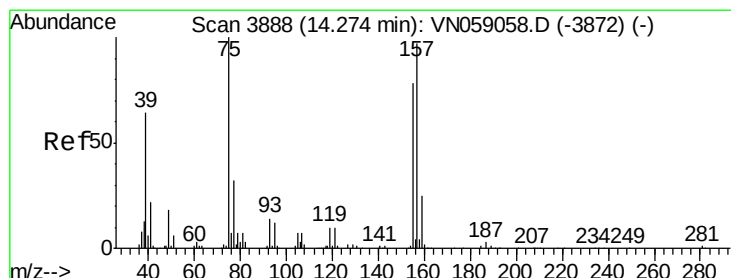
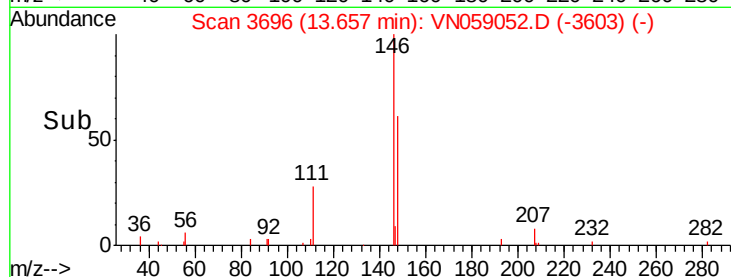
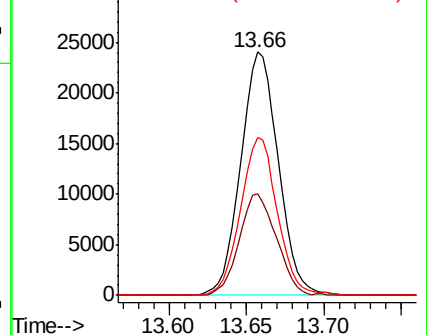
148 63.6 32.1 96.3



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: 5.063 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

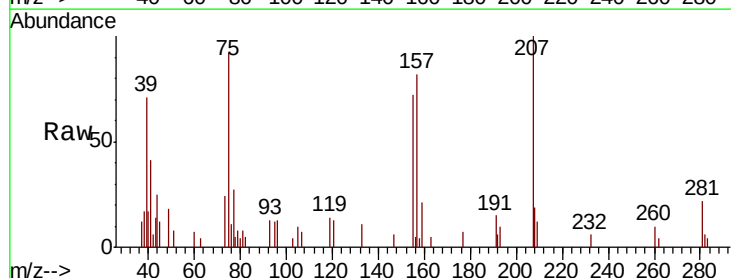
Tgt Ion: 75 Resp: 6864

Ion Ratio Lower Upper

75 100

155 70.3 39.7 119.1

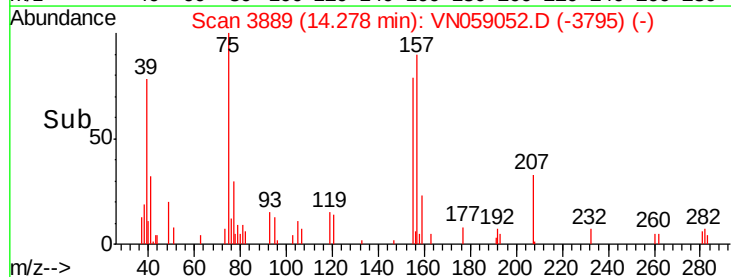
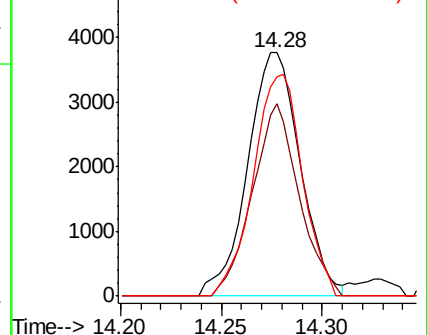
157 84.8 51.0 153.0

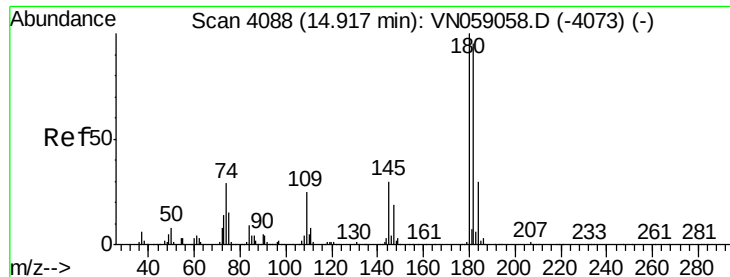


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

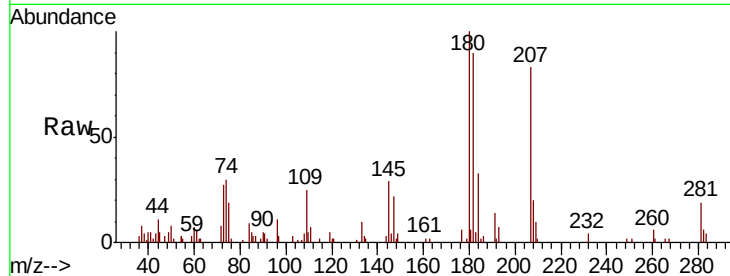




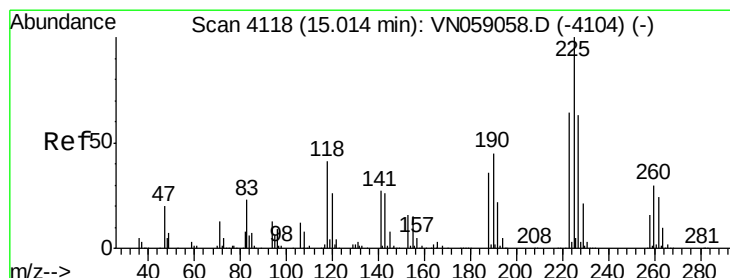
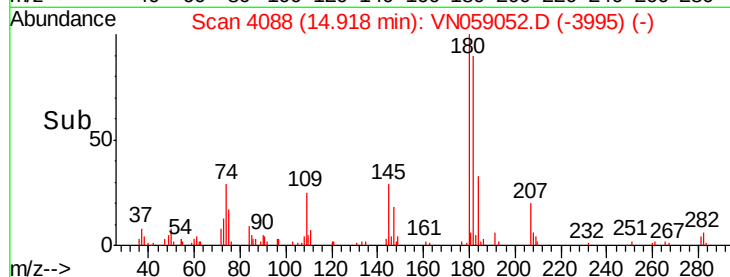
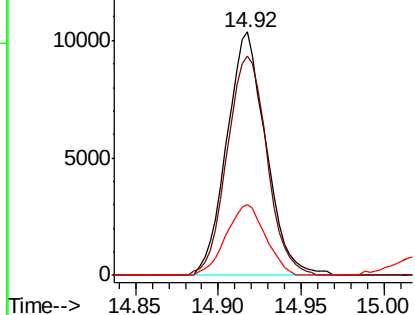
#93
 1,2,4-Trichlorobenzene
 Concen: 4.171 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 17052
 Ion Ratio Lower Upper
 180 100
 182 91.2 47.8 143.4
 145 29.2 15.1 45.3

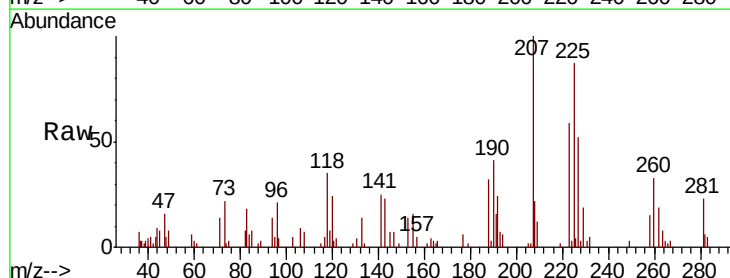


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

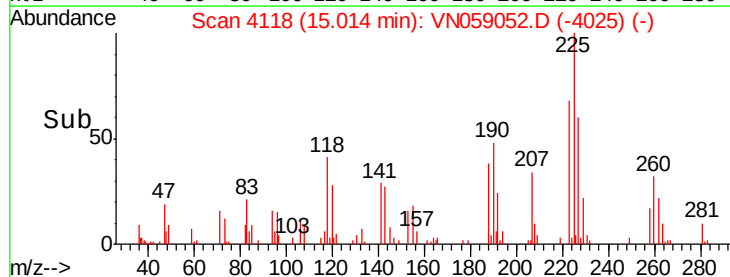
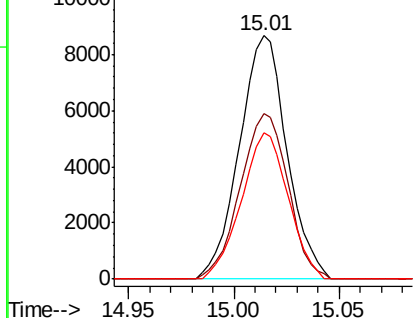


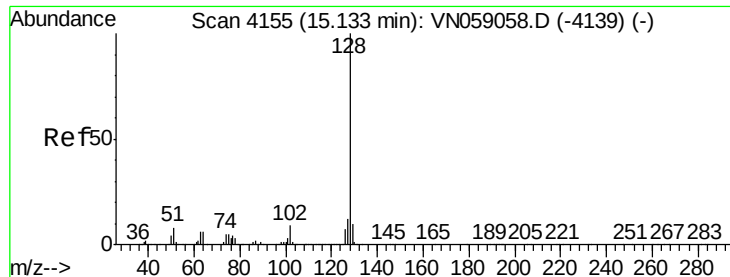
#94
 Hexachlorobutadiene
 Concen: 5.597 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion:225 Resp: 13581
 Ion Ratio Lower Upper
 225 100
 223 68.4 31.6 95.0
 227 59.1 31.9 95.7



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: 3.715 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

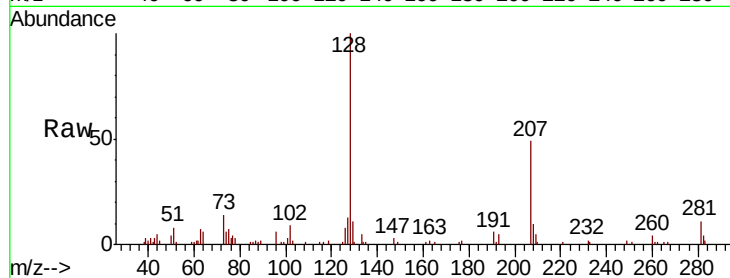
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 42069

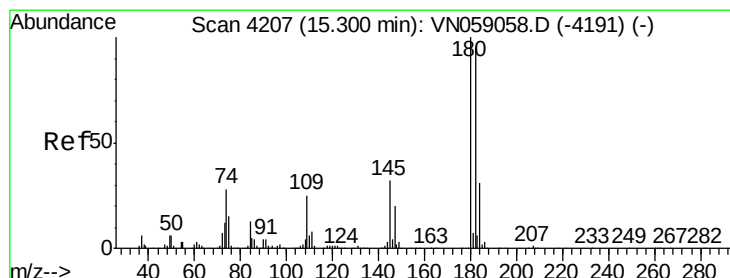
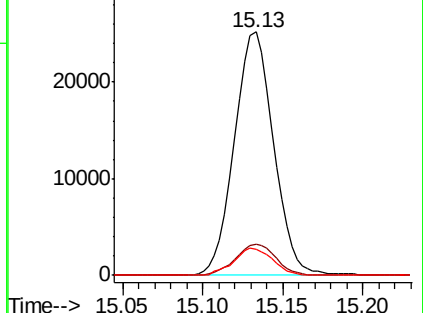
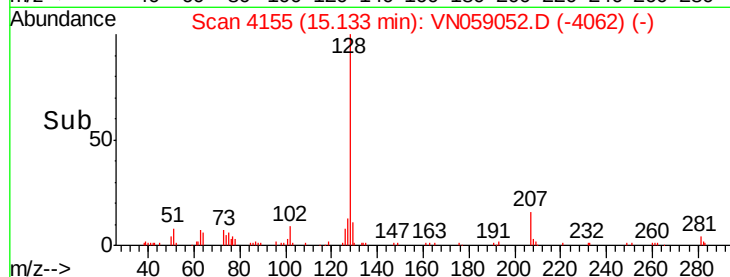
Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.9	14.9
129	10.9	8.4	12.6



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: 4.431 ug/l

RT: 15.30 min Scan# 4208

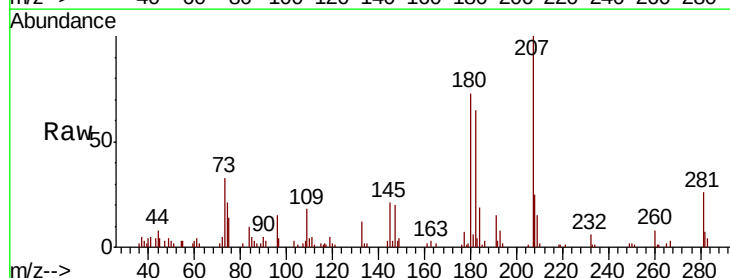
Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion:180 Resp: 17830

Ion	Ratio	Lower	Upper
180	100		
182	90.1	47.7	143.1
145	32.2	16.0	48.0



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

