

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012820\
 Data File : VN059898.D
 Acq On : 28 Jan 2020 17:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 28 22:24:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	197659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	310480	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141830	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	112737	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
35) Dibromofluoromethane	7.56	113	95761	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
50) Toluene-d8	10.08	98	351269	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.40	95	132845	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	105687	45.302	ug/l	99
3) Chloromethane	2.04	50	99861	44.129	ug/l	99
4) Vinyl Chloride	2.17	62	128102	49.476	ug/l	98
5) Bromomethane	2.53	94	80646	51.038	ug/l	99
6) Chloroethane	2.68	64	62393	50.935	ug/l	97
7) Trichlorofluoromethane	3.00	101	158957	51.120	ug/l	100
8) Diethyl Ether	3.38	74	60464	55.408	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91441	52.837	ug/l	92
10) Methyl Iodide	3.93	142	147535	52.741	ug/l	95
11) Tert butyl alcohol	4.73	59	87089	235.678	ug/l	99
12) 1,1-Dichloroethene	3.72	96	88899	49.160	ug/l	88
13) Acrolein	3.58	56	76826	293.701	ug/l	97
14) Allyl chloride	4.29	41	123793	50.788	ug/l #	88
15) Acrylonitrile	4.94	53	230311	273.231	ug/l	99
16) Acetone	3.78	43	229563	308.990	ug/l	96
17) Carbon Disulfide	4.03	76	217695	42.259	ug/l	99
18) Methyl Acetate	4.28	43	139222	54.299	ug/l #	89
19) Methyl tert-butyl Ether	5.00	73	329774	55.931	ug/l	95
20) Methylene Chloride	4.52	84	104628	52.756	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	95577	49.721	ug/l	88
22) Diisopropyl ether	5.91	45	293717	53.173	ug/l #	94
23) Vinyl Acetate	5.86	43	1153706	269.763	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	174715	51.765	ug/l	98
25) 2-Butanone	6.80	43	311778	250.818	ug/l	91
26) 2,2-Dichloropropane	6.80	77	164996	50.849	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	116564	52.721	ug/l	88
28) Bromochloromethane	7.17	49	68511	50.787	ug/l #	70
29) Tetrahydrofuran	7.18	42	191386	248.845	ug/l #	86
30) Chloroform	7.35	83	191091	54.643	ug/l	98
31) Cyclohexane	7.63	56	139647	42.998	ug/l	89
32) 1,1,1-Trichloroethane	7.55	97	169764	52.503	ug/l	95
36) 1,1-Dichloropropene	7.77	75	130958	48.435	ug/l	95
37) Ethyl Acetate	6.90	43	127341	50.215	ug/l #	96
38) Carbon Tetrachloride	7.75	117	151380	51.470	ug/l	99

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

39) Methylcyclohexane	9.06	83	148896	44.662	ug/l	90
40) Benzene	8.02	78	403021	49.980	ug/l	100
41) Methacrylonitrile	7.18	41	179571	143.763	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	149217	54.578	ug/l	96
43) Isopropyl Acetate	8.14	43	225974	51.807	ug/l #	95
44) Trichloroethene	8.82	130	120463	54.724	ug/l	90
45) 1,2-Dichloropropane	9.10	63	105204	52.725	ug/l	99
46) Dibromomethane	9.19	93	77030	54.727	ug/l #	90
47) Bromodichloromethane	9.39	83	157113	55.391	ug/l	99
48) Methyl methacrylate	9.18	41	101000	51.767	ug/l	91
49) 1,4-Dioxane	9.18	88	36735	1028.511	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	646973	256.587	ug/l	94
52) Toluene	10.14	92	263306	51.696	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	176310	55.669	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	185137	55.557	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	112548	55.792	ug/l	95
56) Ethyl methacrylate	10.42	69	165185	53.590	ug/l	91
57) 1,3-Dichloropropane	10.70	76	178360	55.691	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	318948	343.536	ug/l #	90
59) 2-Hexanone	10.74	43	474858	255.634	ug/l	93
60) Dibromochloromethane	10.89	129	131673	57.319	ug/l	98
61) 1,2-Dibromoethane	10.99	107	118126	55.869	ug/l	100
64) Tetrachloroethene	10.62	164	119262	51.046	ug/l	95
65) Chlorobenzene	11.43	112	299498	53.153	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	119548	54.909	ug/l	99
67) Ethyl Benzene	11.50	91	521478	50.983	ug/l	97
68) m/p-Xylenes	11.62	106	396205	102.544	ug/l	94
69) o-Xylene	11.94	106	194522	51.425	ug/l	95
70) Styrene	11.96	104	334455	52.839	ug/l	97
71) Bromoform	12.12	173	102861	58.981	ug/l #	99
73) Isopropylbenzene	12.25	105	516248	49.631	ug/l	98
74) N-amyl acetate	12.06	43	200642	49.711	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	155821	51.674	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	211918	88.785	ug/l #	100
77) Bromobenzene	12.52	156	146439	55.593	ug/l	76
78) n-propylbenzene	12.59	91	580494	49.721	ug/l	97
79) 2-Chlorotoluene	12.67	91	347459	50.027	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	432105	49.396	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	57624	51.846	ug/l	93
82) 4-Chlorotoluene	12.77	91	359075	51.544	ug/l	95
83) tert-Butylbenzene	12.99	119	363554	48.052	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	436616	50.450	ug/l	98
85) sec-Butylbenzene	13.17	105	475921	47.878	ug/l	98
86) p-Isopropyltoluene	13.28	119	443960	48.268	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	243122	53.134	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	242402	53.104	ug/l	97
89) n-Butylbenzene	13.61	91	381457	48.641	ug/l	98
90) Hexachloroethane	13.87	117	84188	48.921	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	241127	53.306	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33020	51.062	ug/l	78

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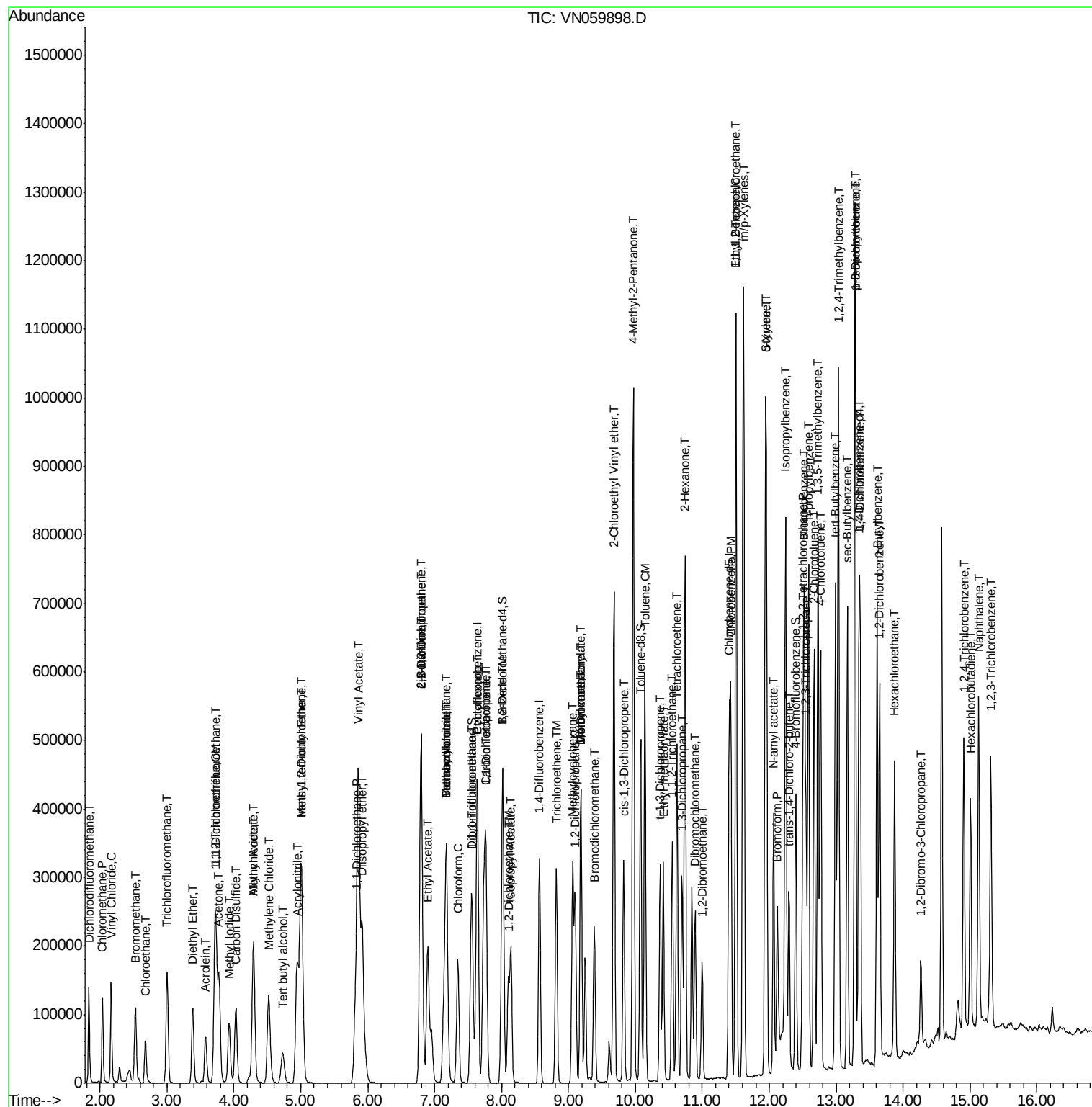
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	143302	52.722	ug/l	99
94) Hexachlorobutadiene	15.01	225	66345	44.294	ug/l	99
95) Naphthalene	15.13	128	417119	53.952	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	137605	52.011	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

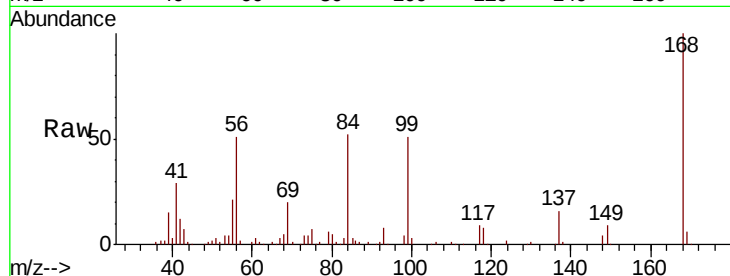
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 197659

Ion Ratio Lower Upper

168 100

99 51.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

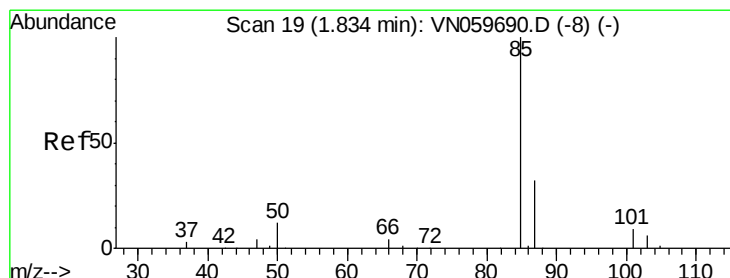
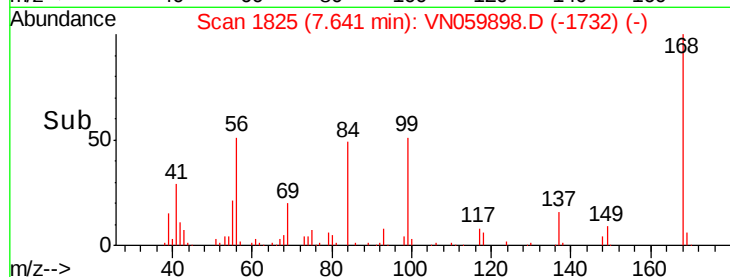
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.302 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059898.D

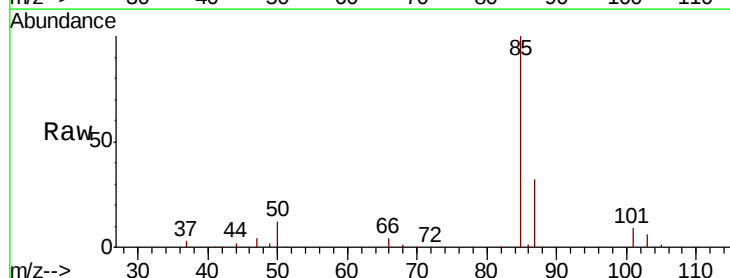
Acq: 28 Jan 2020 17:42

Tgt Ion: 85 Resp: 105687

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

80000

60000

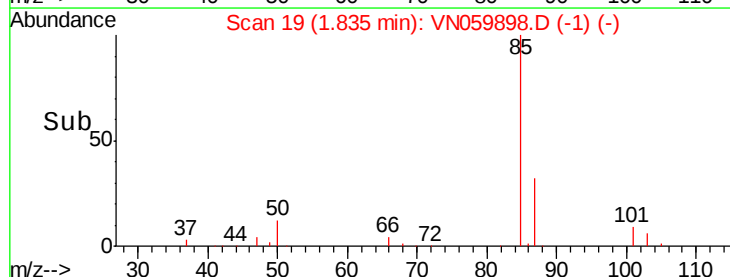
40000

20000

0

1.75 1.80 1.85 1.90

Time-->

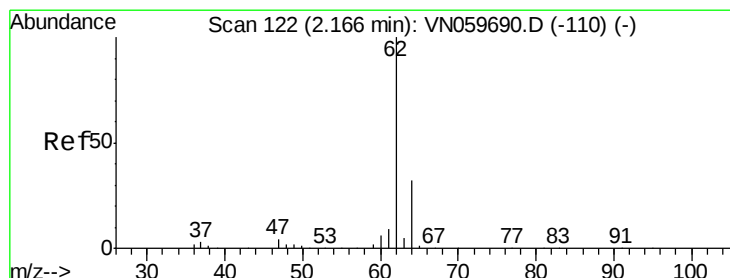
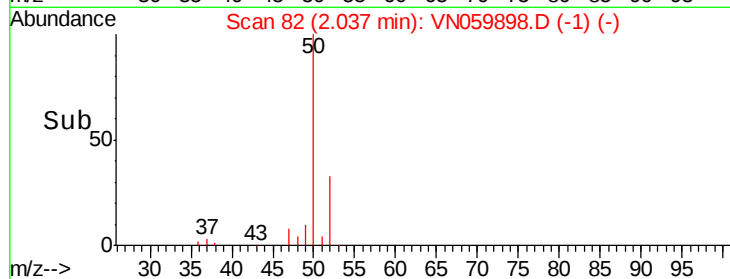
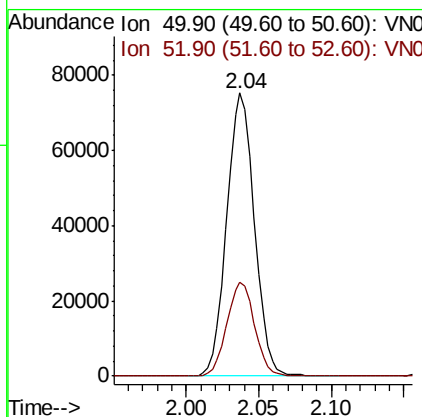
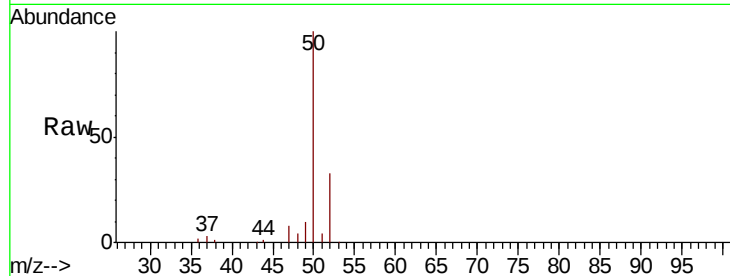




#3
Chloromethane
Concen: 44.129 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

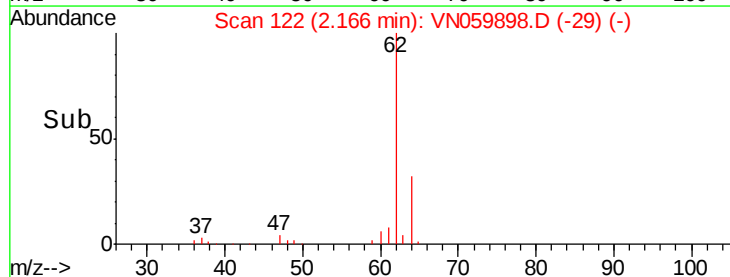
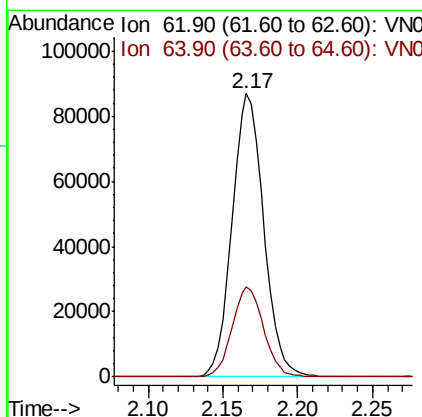
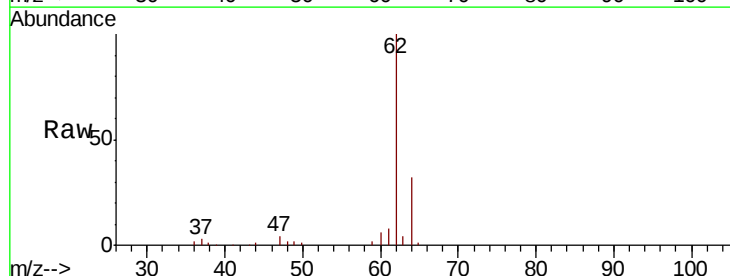
Instrument :
MSVOA_N
ClientSampleId :

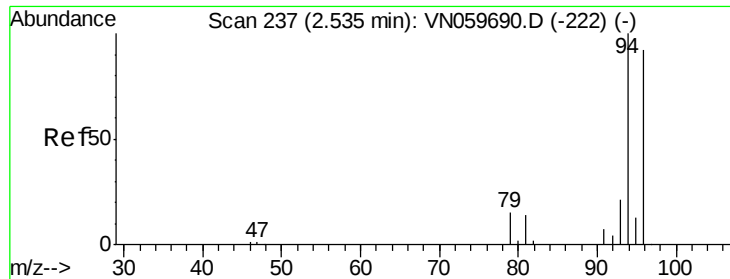
Tot Ion: 50 Resp: 99861
Ion Ratio Lower Upper
50 100
52 33.2 25.9 38.9



#4
Vinyl Chloride
Concen: 49.476 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 62 Resp: 128102
Ion Ratio Lower Upper
62 100
64 32.0 24.6 37.0

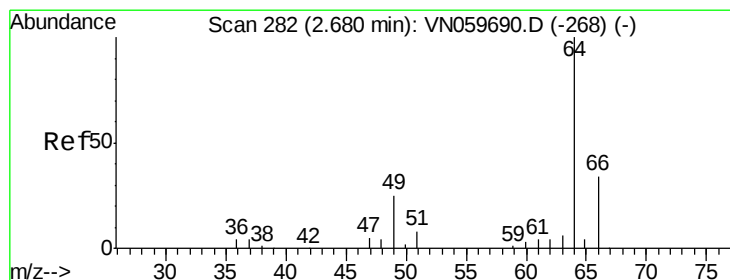
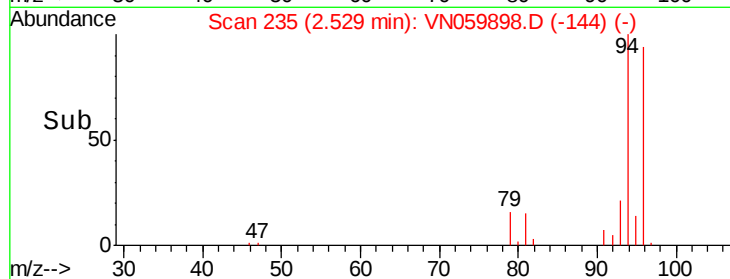
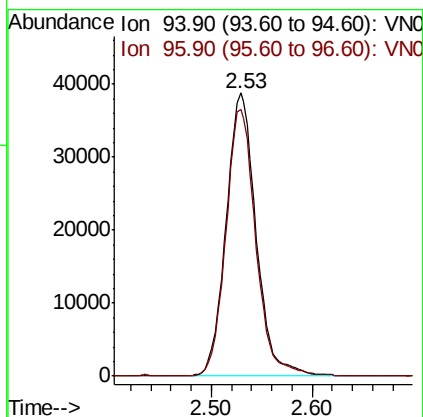
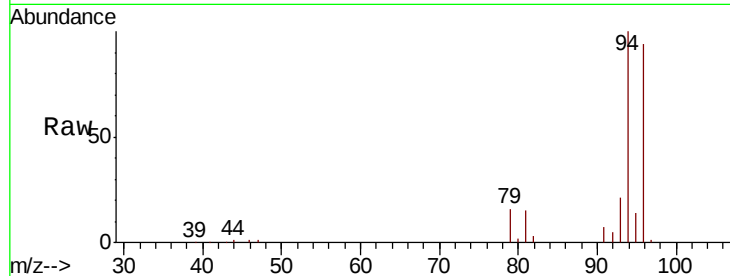




#5
Bromomethane
Concen: 51.038 ug/l
RT: 2.53 min Scan# 235
Delta R.T. -0.01 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

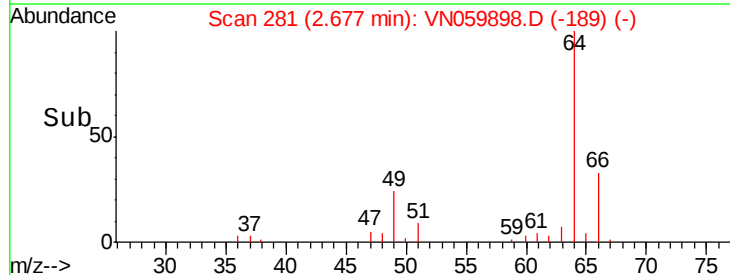
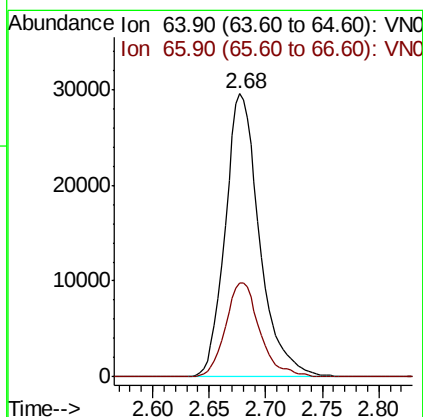
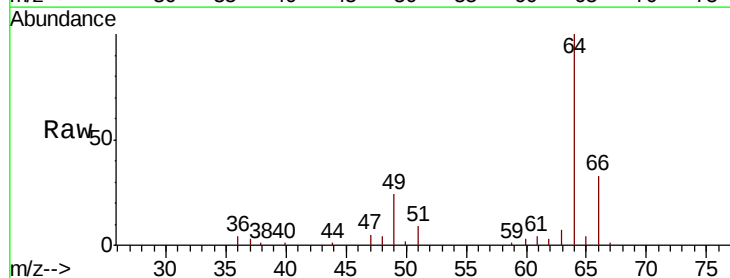
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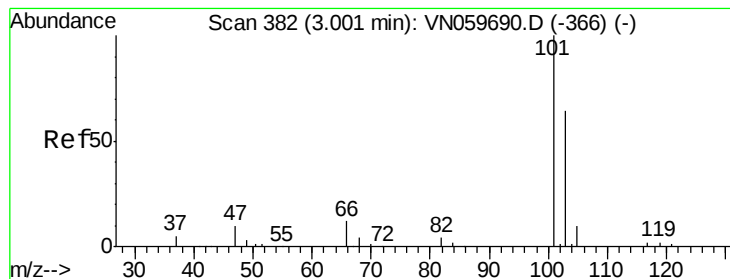
Tot Ion: 94 Resp: 80646
Ion Ratio Lower Upper
94 100
96 94.4 74.7 112.1



#6
Chloroethane
Concen: 50.935 ug/l
RT: 2.68 min Scan# 281
Delta R.T. -0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 64 Resp: 62393
Ion Ratio Lower Upper
64 100
66 33.0 25.1 37.7



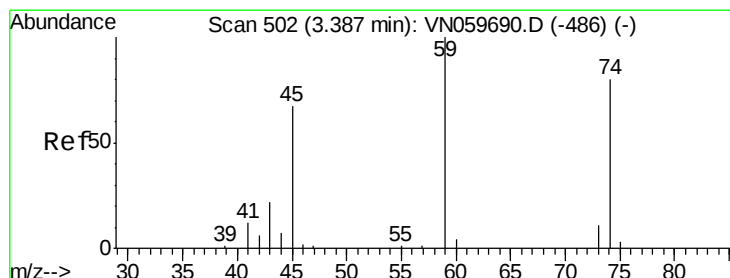
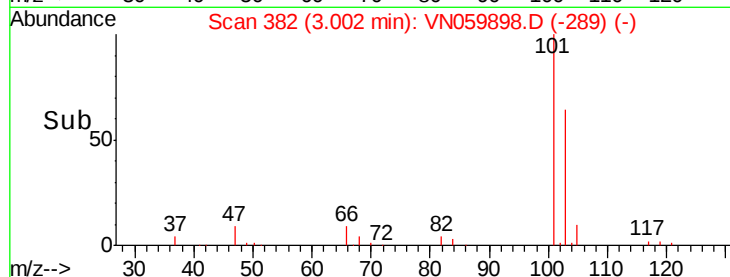
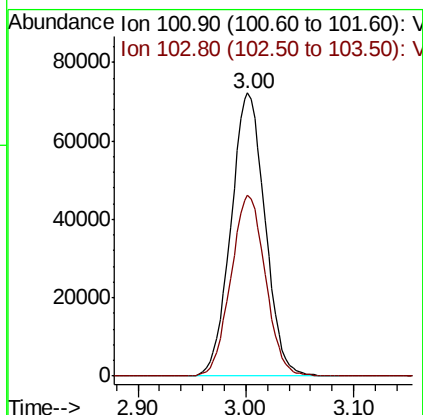
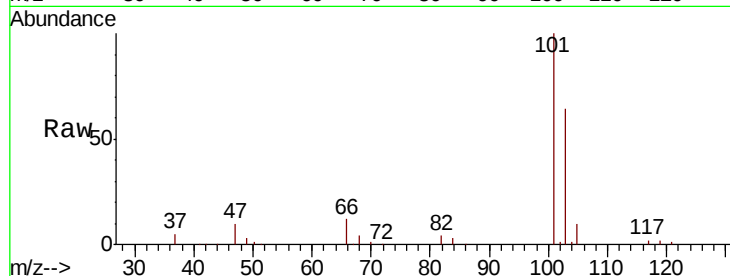


#7

Trichlorofluoromethane
Concen: 51.120 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampled :

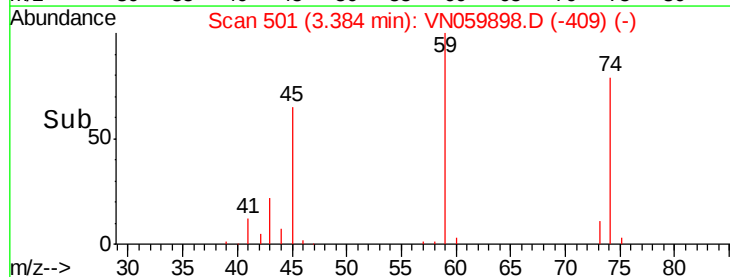
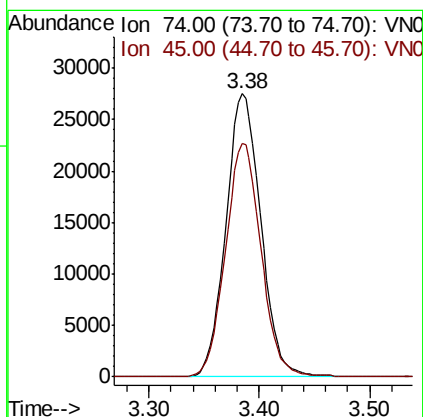
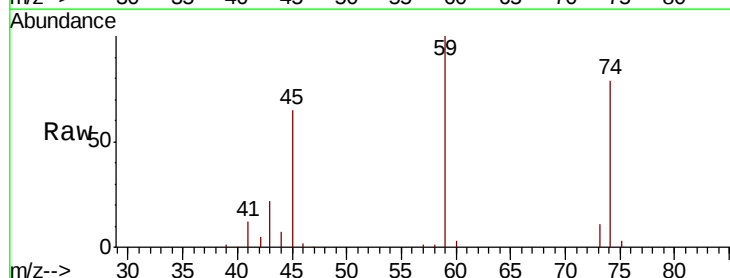
Tot Ion:101 Resp: 158957
Ion Ratio Lower Upper
101 100
103 64.0 51.0 76.6



#8

Diethyl Ether
Concen: 55.408 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 74 Resp: 60464
Ion Ratio Lower Upper
74 100
45 83.6 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.837 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

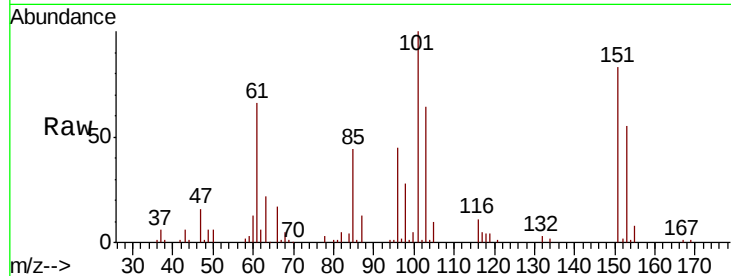
Tot Ion:101 Resp: 91441

Ion Ratio Lower Upper

101 100

85 44.1 36.6 54.8

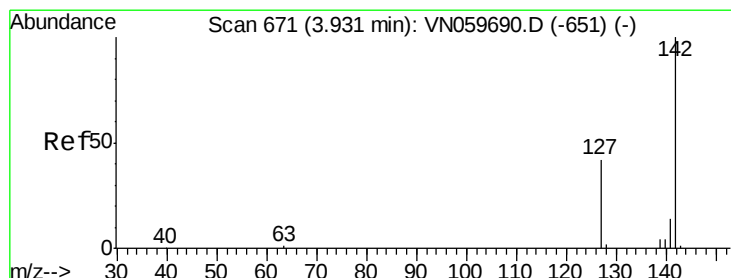
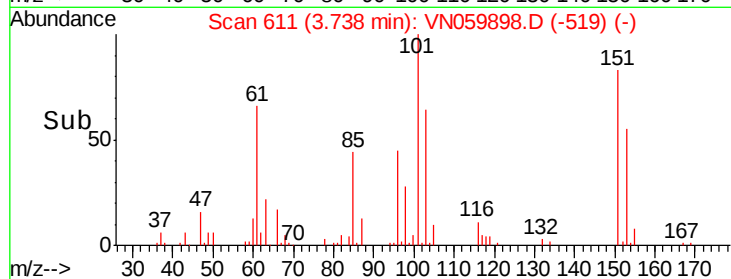
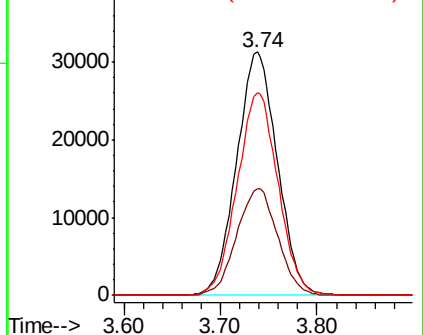
151 83.6 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.741 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

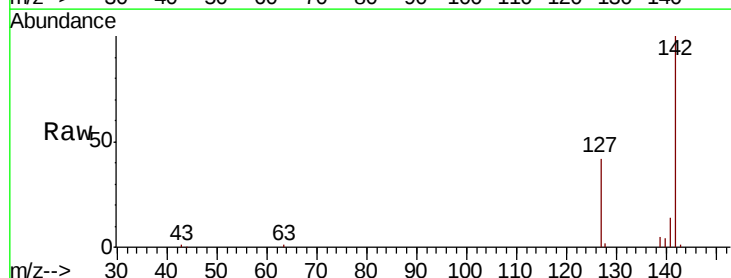
Tgt Ion:142 Resp: 147535

Ion Ratio Lower Upper

142 100

127 41.8 36.7 55.1

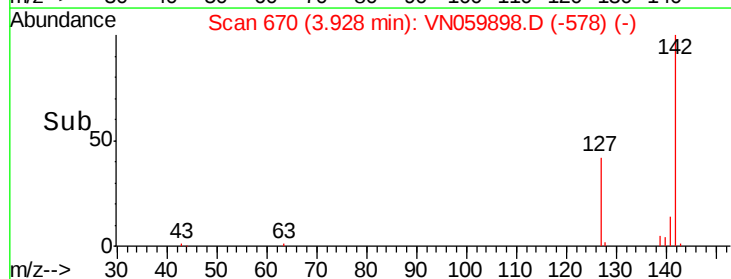
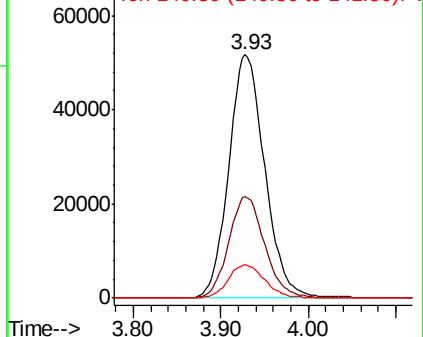
141 14.0 11.7 17.5

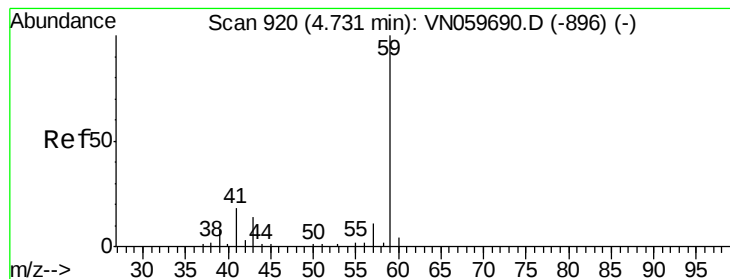


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



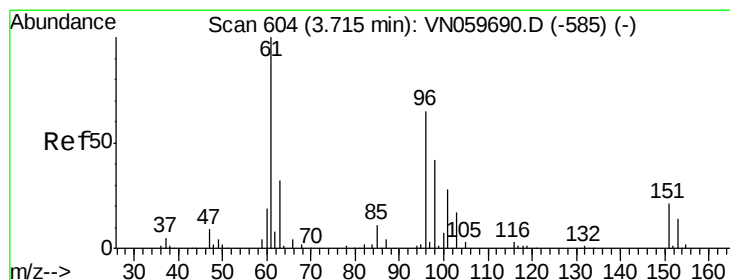
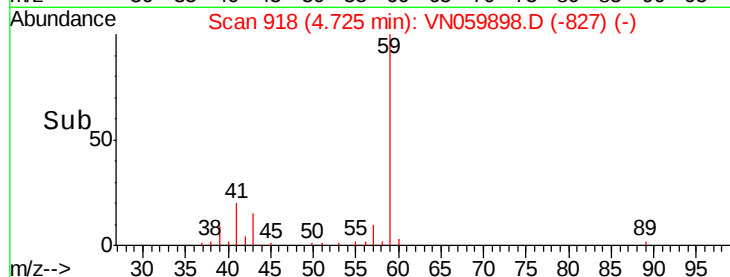
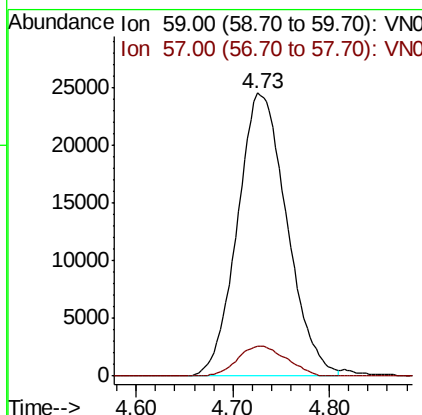
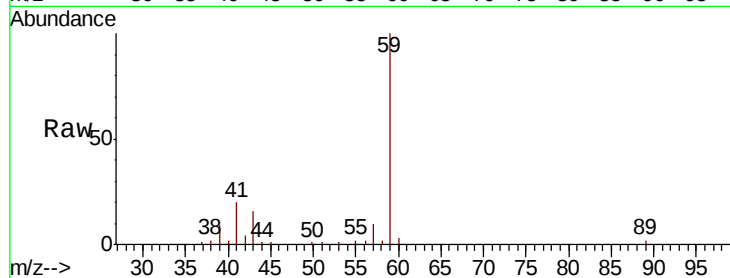


#11

Tert butyl alcohol
 Concen: 235.678 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Instrument :
 MSVOA_N
 ClientSampled :

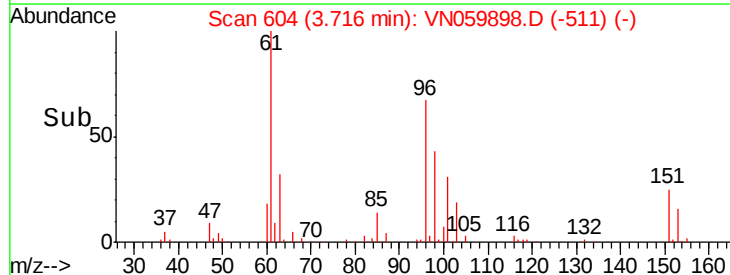
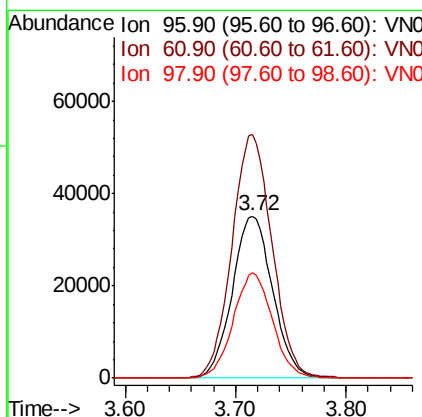
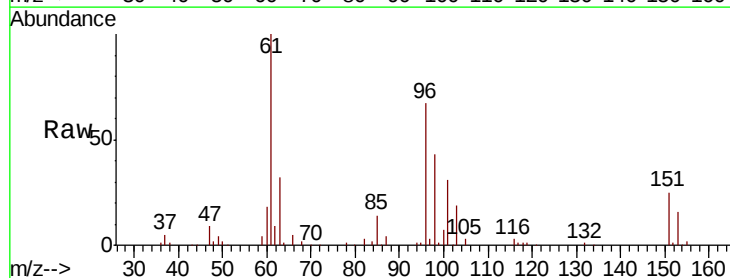
Tot Ion: 59 Resp: 87089
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.6 12.8



#12

1,1-Dichloroethene
 Concen: 49.160 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Tgt Ion: 96 Resp: 88899
 Ion Ratio Lower Upper
 96 100
 61 150.0 137.5 206.3
 98 64.9 50.2 75.4





#13

Acrolein

Concen: 293.701 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

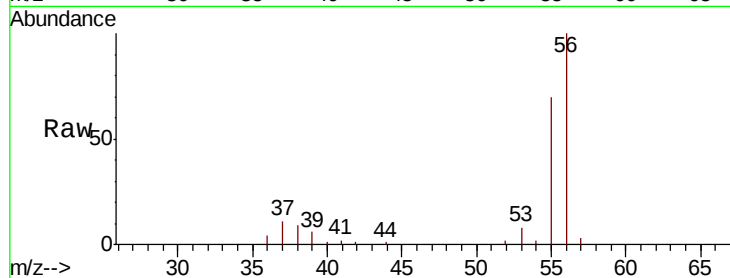
ClientSampleId :

Tot Ion: 56 Resp: 76826

Ion Ratio Lower Upper

56 100

55 70.6 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN059898.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN059898.D (-545) (-)

3.58

30000

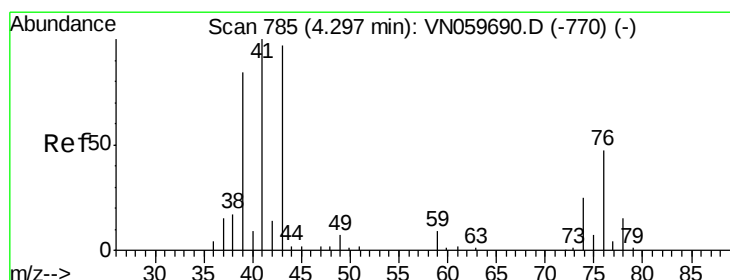
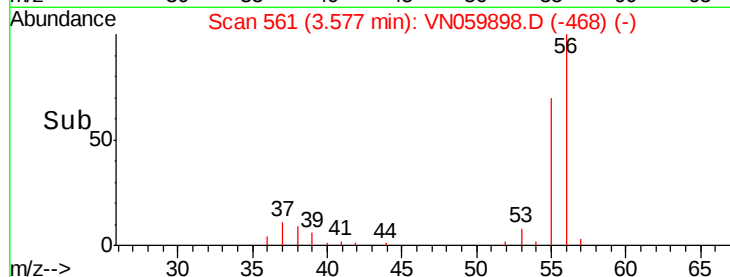
20000

10000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 50.788 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

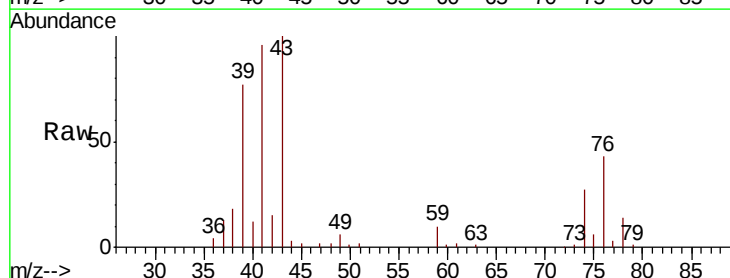
Tgt Ion: 41 Resp: 123793

Ion Ratio Lower Upper

41 100

39 79.1 57.8 86.8

76 43.5 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN059898.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN059898.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN059898.D (-692) (-)

4.29

60000

50000

40000

30000

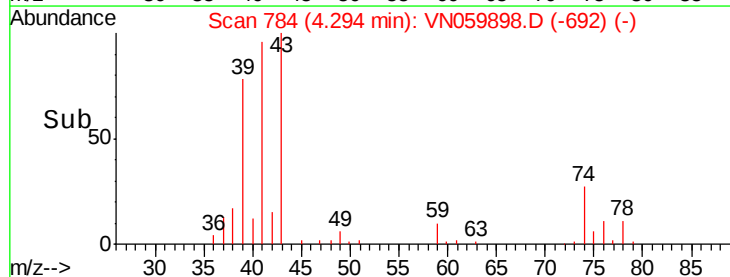
20000

10000

0

Time-->

4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 273.231 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampled :

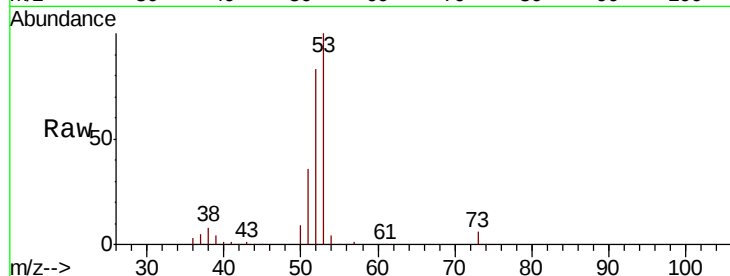
Tot Ion: 53 Resp: 230311

Ion Ratio Lower Upper

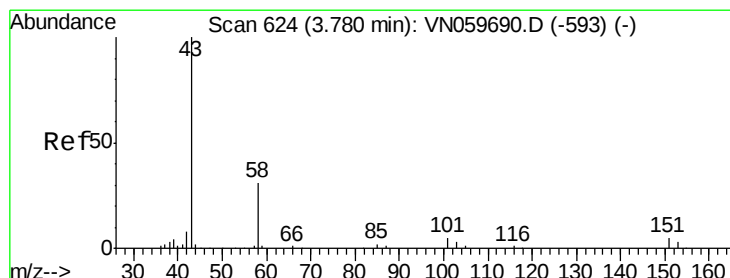
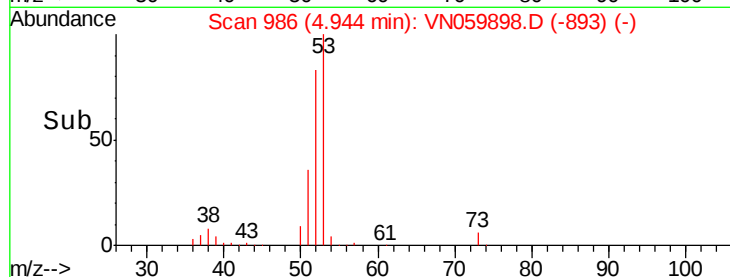
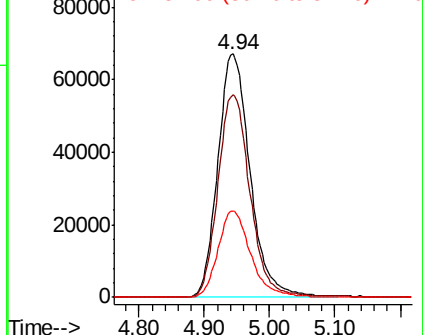
53 100

52 82.8 66.3 99.5

51 36.0 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 308.990 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN059898.D

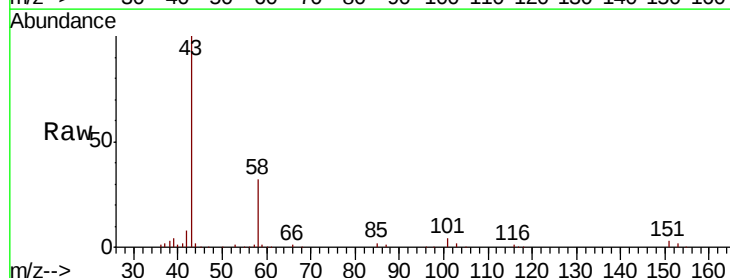
Acq: 28 Jan 2020 17:42

Tgt Ion: 43 Resp: 229563

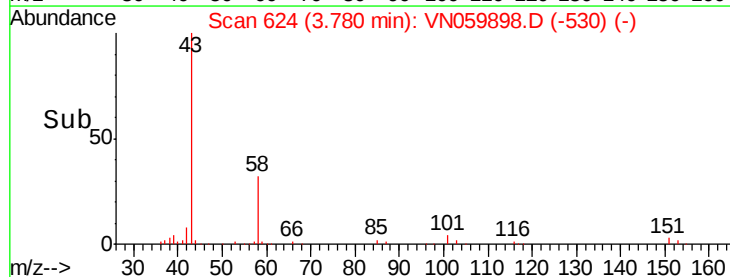
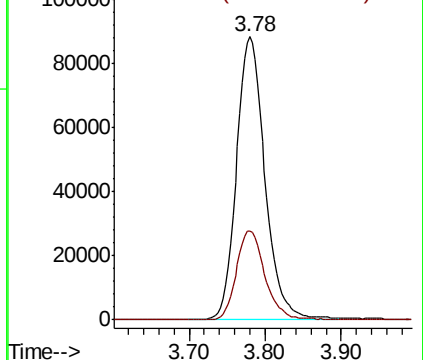
Ion Ratio Lower Upper

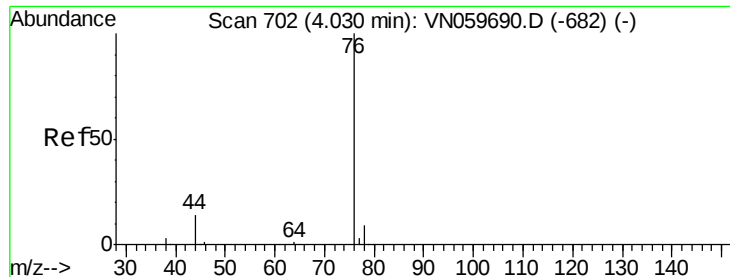
43 100

58 31.6 23.6 35.4



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

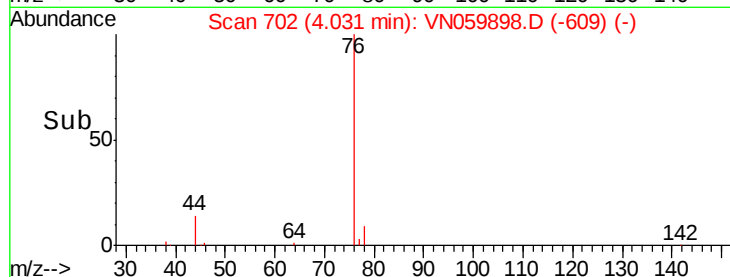
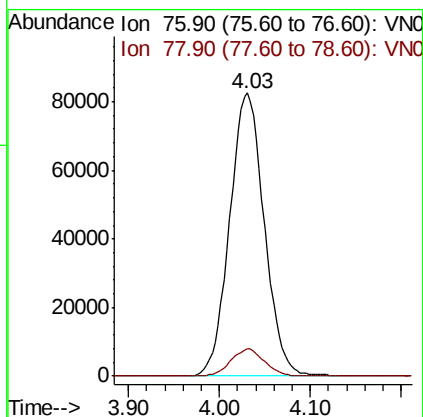
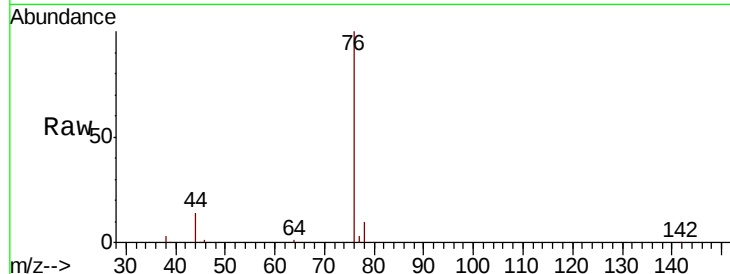




#17
Carbon Disulfide
Concen: 42.259 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

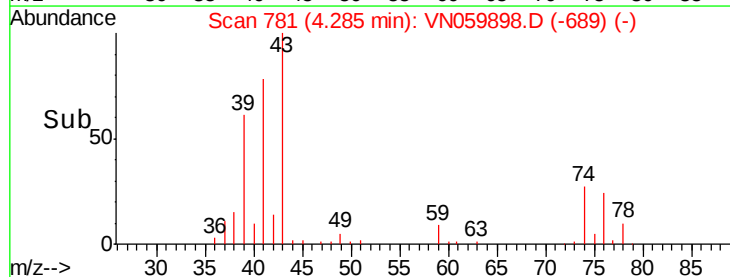
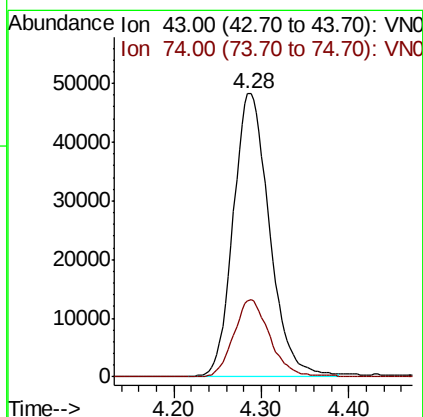
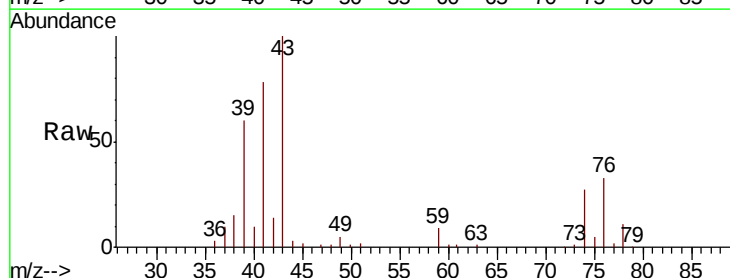
Instrument :
MSVOA_N
ClientSampleId :

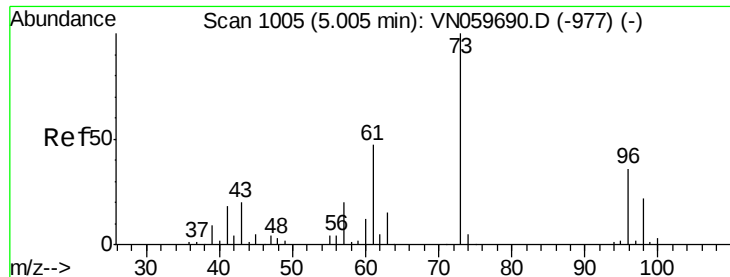
Tot Ion: 76 Resp: 217695
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#18
Methyl Acetate
Concen: 54.299 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 43 Resp: 139222
Ion Ratio Lower Upper
43 100
74 27.0 17.5 26.3#

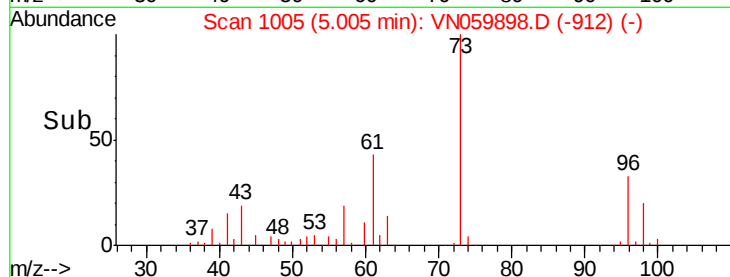
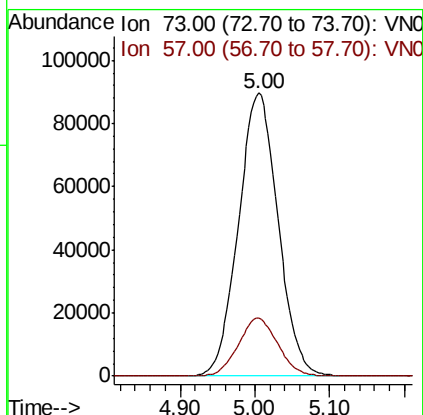
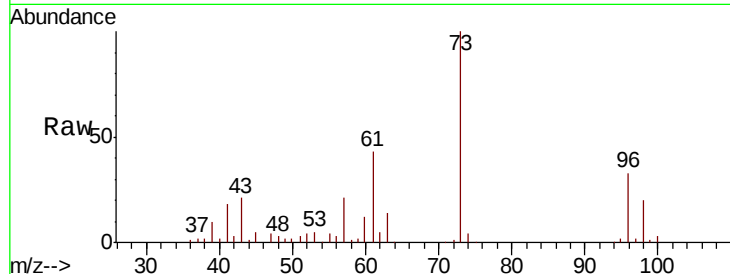




#19
Methvl tert-butvl Ether
Concen: 55.931 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

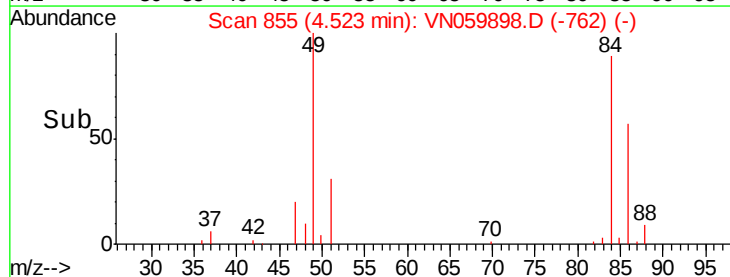
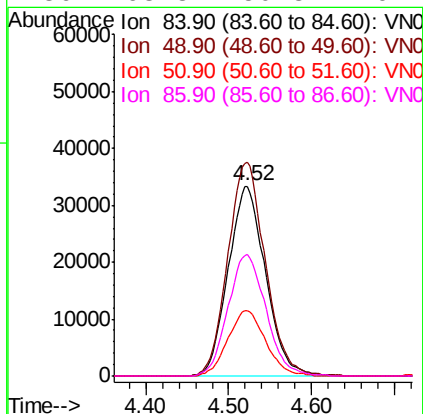
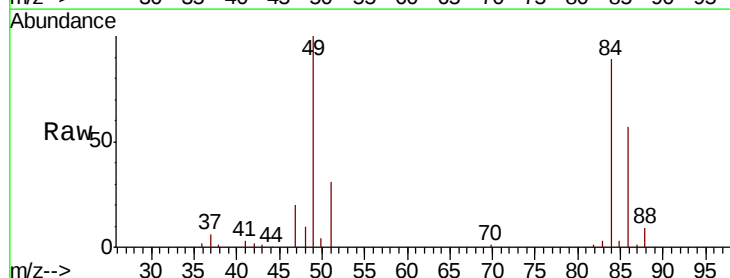
Instrument :
MSVOA_N
ClientSampled :

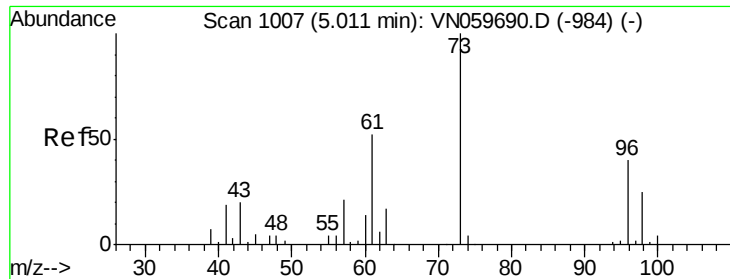
Tot Ion: 73 Resp: 329774
Ion Ratio Lower Upper
73 100
57 20.7 18.6 27.8



#20
Methylene Chloride
Concen: 52.756 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 84 Resp: 104628
Ion Ratio Lower Upper
84 100
49 112.6 106.6 160.0
51 34.5 31.9 47.9
86 63.8 50.8 76.2

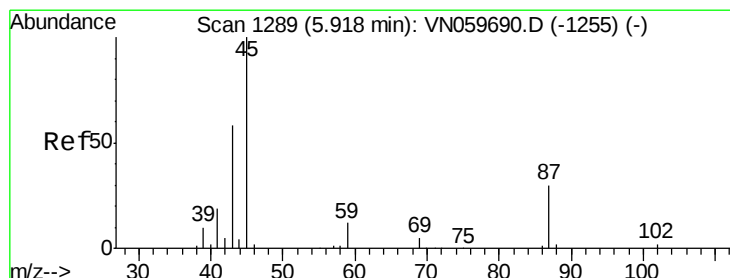
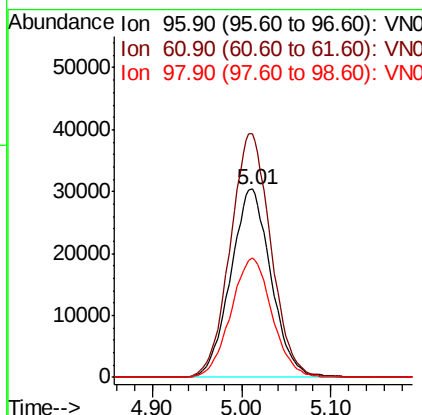
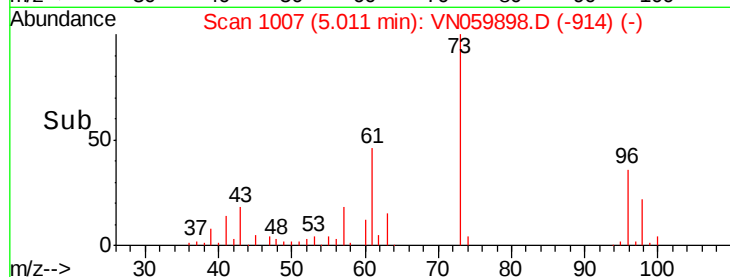
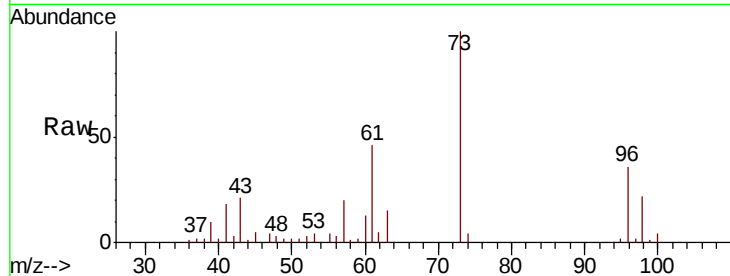




#21
trans-1,2-Dichloroethene
Concen: 49.721 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

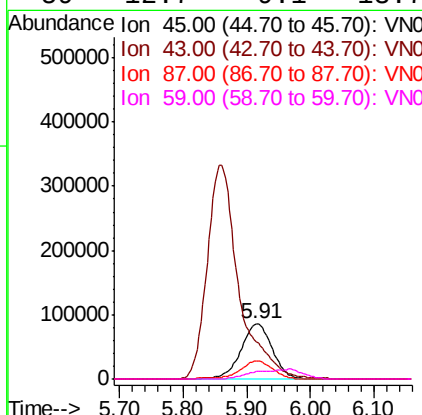
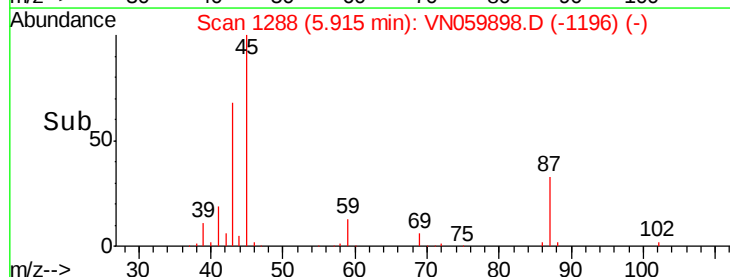
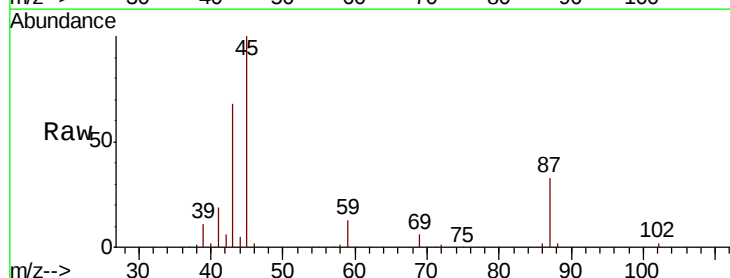
Instrument :
MSVOA_N
ClientSampled :

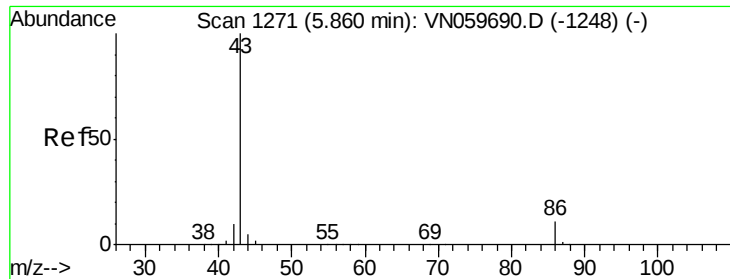
Tot Ion: 96 Resp: 95577
Ion Ratio Lower Upper
96 100
61 128.4 120.4 180.6
98 63.2 50.6 75.8



#22
Diisopropyl ether
Concen: 53.173 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 45 Resp: 293717
Ion Ratio Lower Upper
45 100
43 66.7 50.8 76.2
87 32.9 21.0 31.6
59 12.7 9.1 13.7





#23

Vinyl Acetate

Concen: 269.763 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

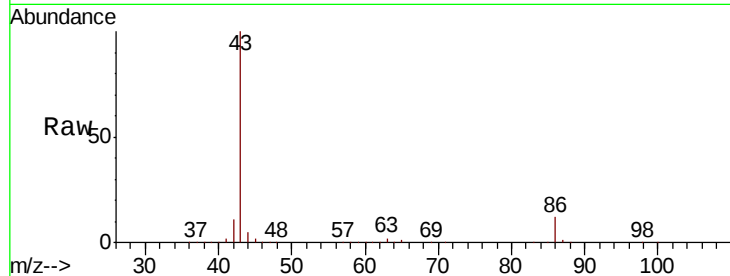
ClientSampleId :

Tot Ion: 43 Resp: 1153706

Ion Ratio Lower Upper

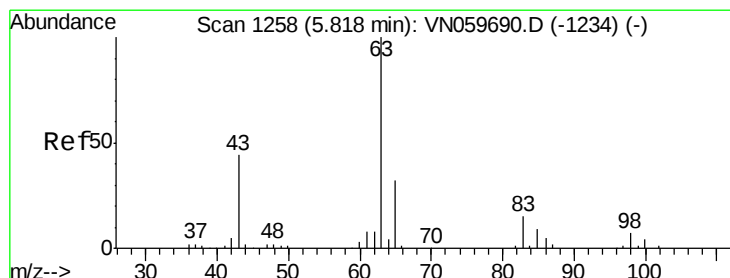
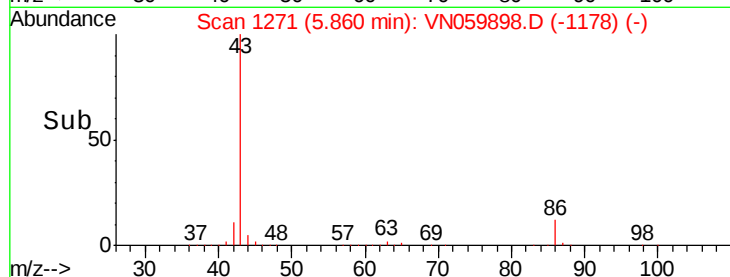
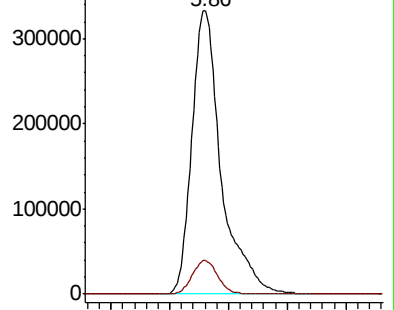
43 100

86 11.8 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059898.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN059898.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 51.765 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

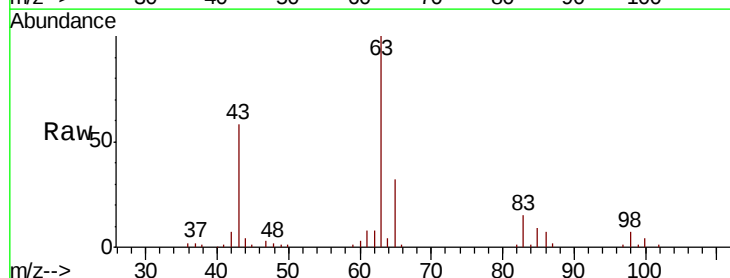
Tgt Ion: 63 Resp: 174715

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.7

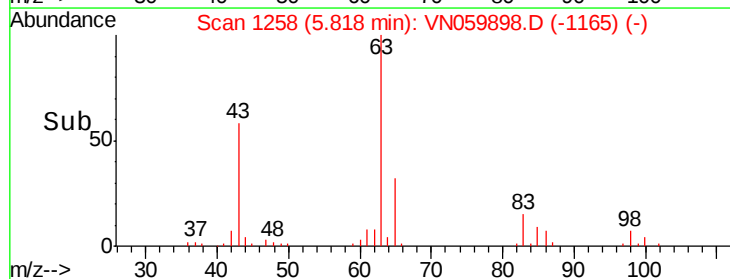
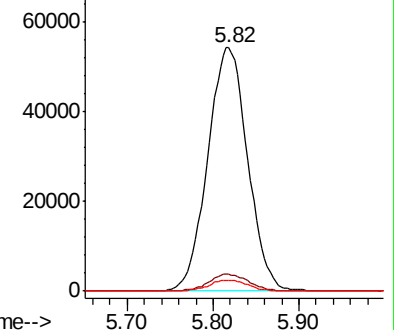
100 4.3 2.0 6.0

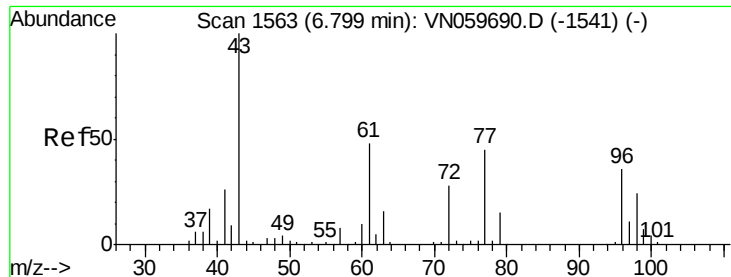


Abundance Ion 62.90 (62.60 to 63.60): VN059898.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059898.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059898.D (-1165) (-)

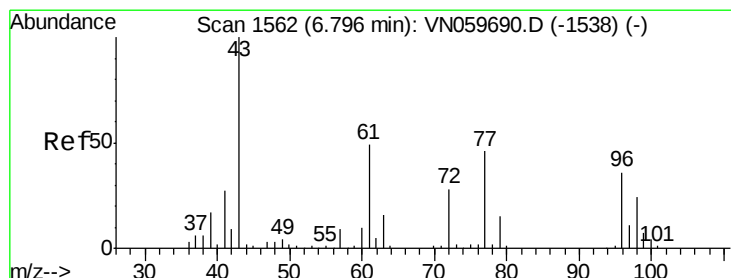
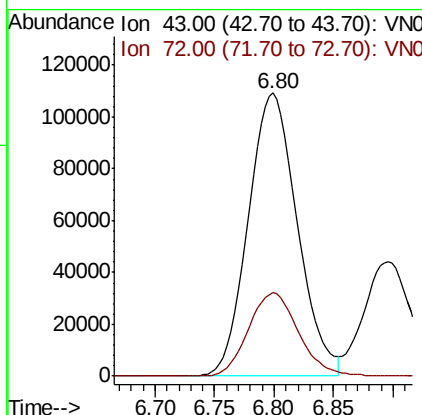
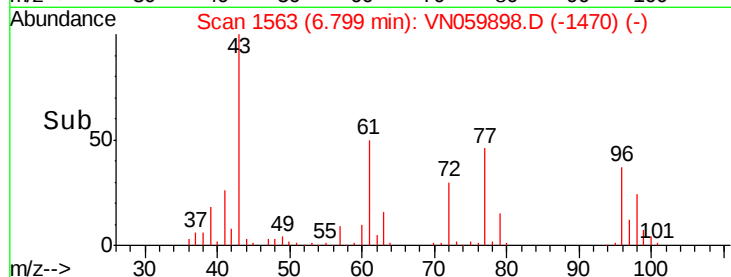
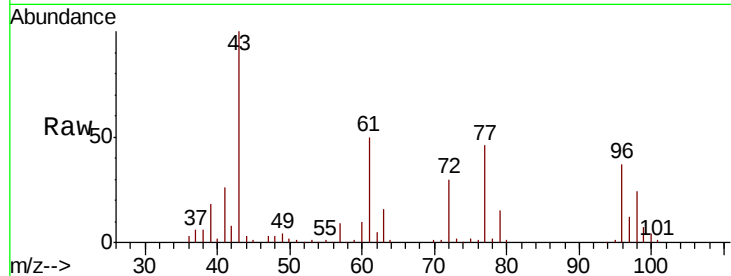




#25
2-Butanone
Concen: 250.818 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

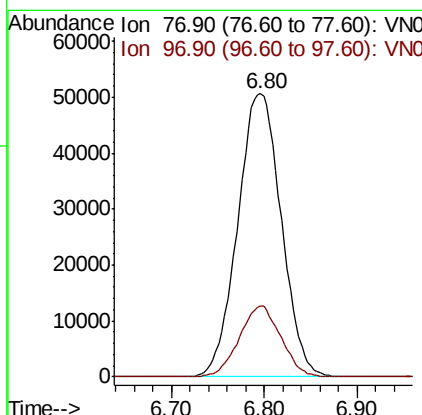
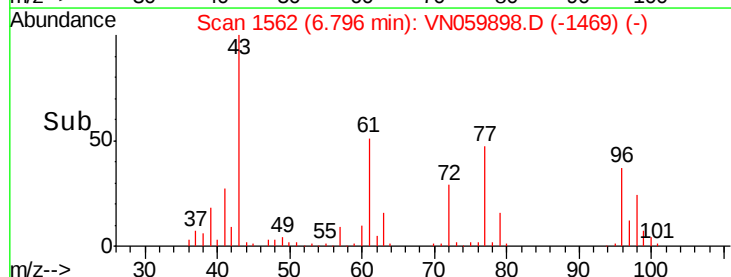
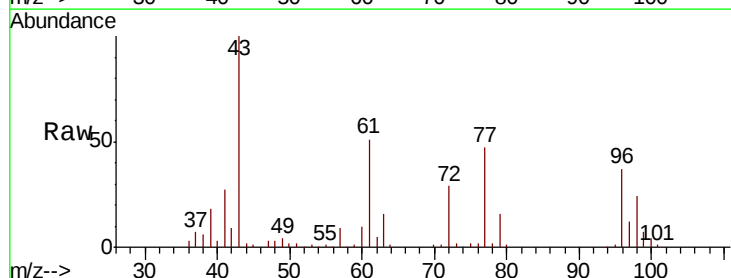
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 311778
Ion Ratio Lower Upper
43 100
72 29.6 19.9 29.9



#26
2,2-Dichloropropane
Concen: 50.849 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 77 Resp: 164996
Ion Ratio Lower Upper
77 100
97 24.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 52.721 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :

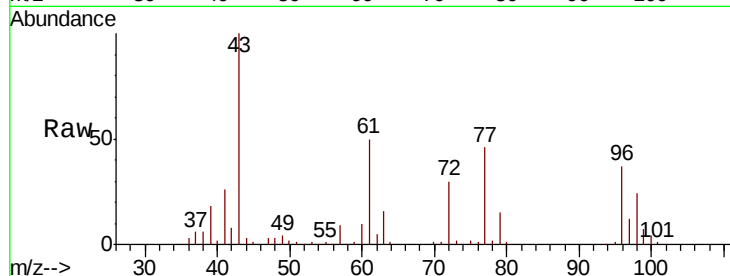
Tot Ion: 96 Resp: 116564

Ion Ratio Lower Upper

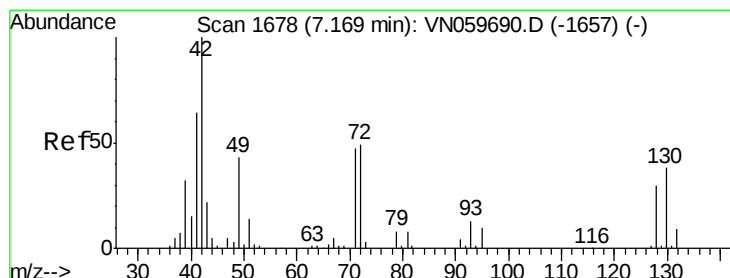
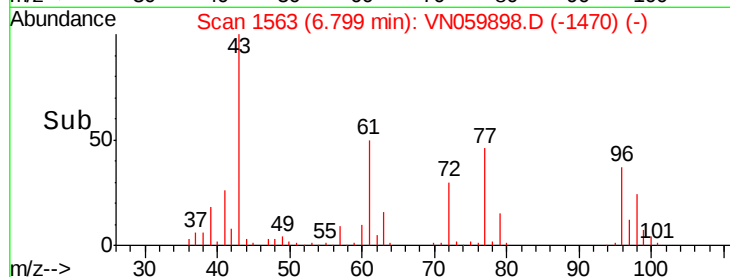
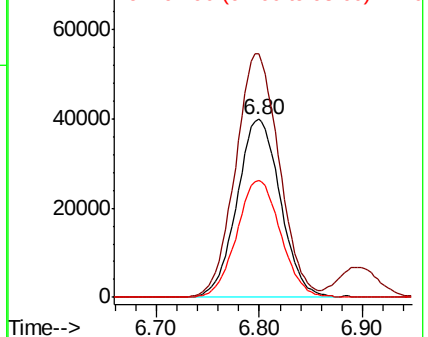
96 100

61 137.9 0.0 317.6

98 66.3 0.0 127.0



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



#28

Bromochloromethane

Concen: 50.787 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

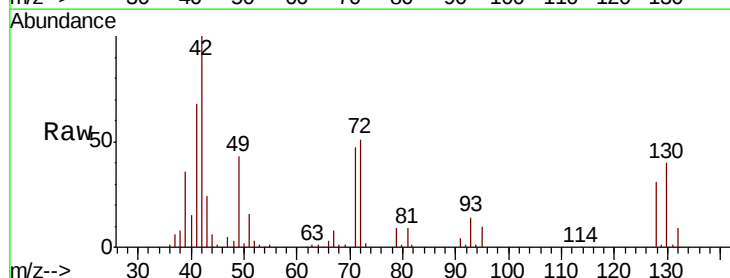
Tgt Ion: 49 Resp: 68511

Ion Ratio Lower Upper

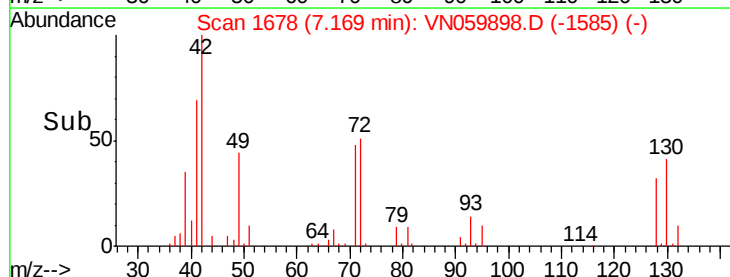
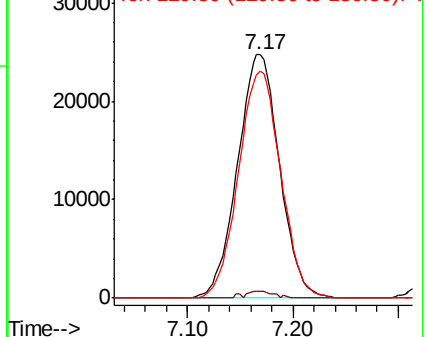
49 100

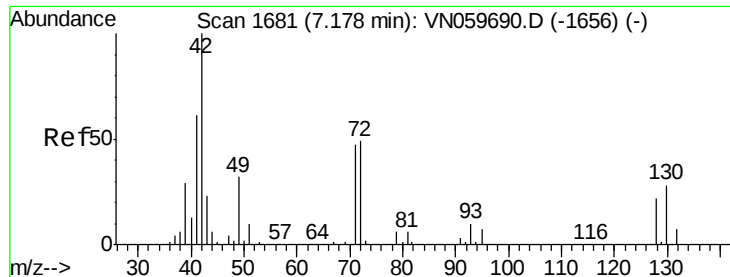
129 1.6 0.0 3.4

130 93.5 54.7 82.1#



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

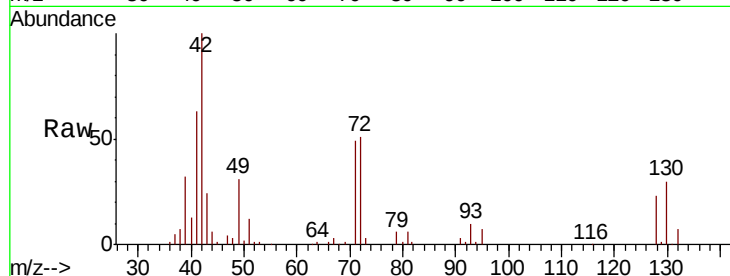




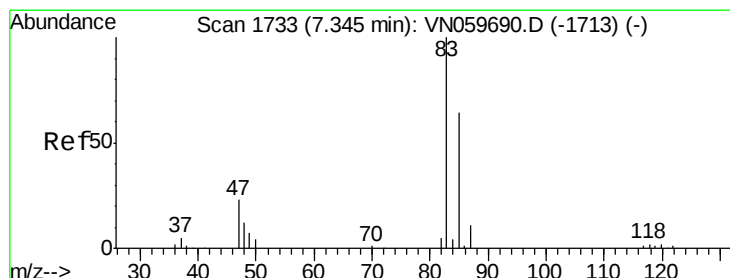
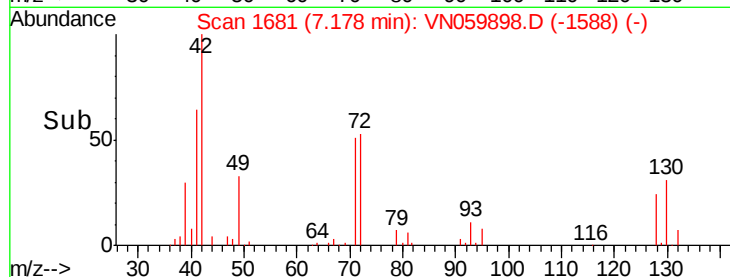
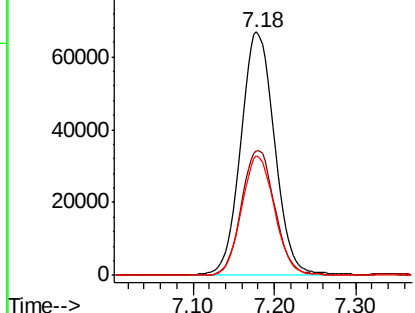
#29
Tetrahydrofuran
Concen: 248.845 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 191386
Ion Ratio Lower Upper
42 100
72 50.7 33.1 49.7#
71 47.9 31.4 47.0#

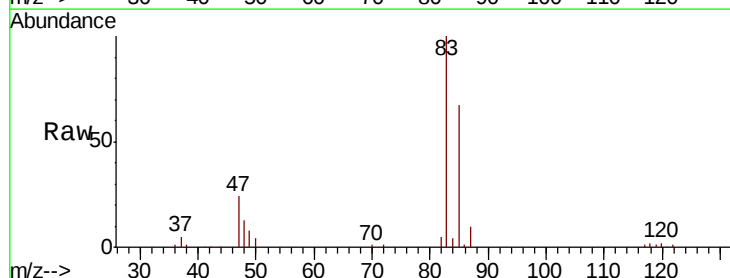


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

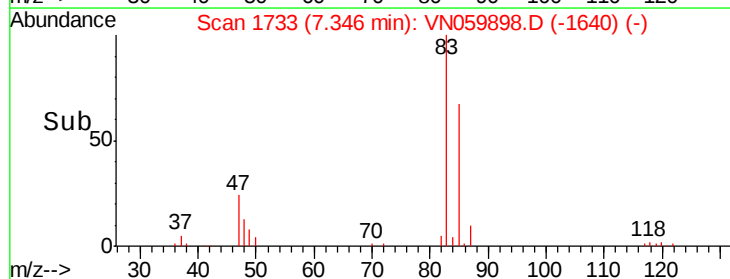
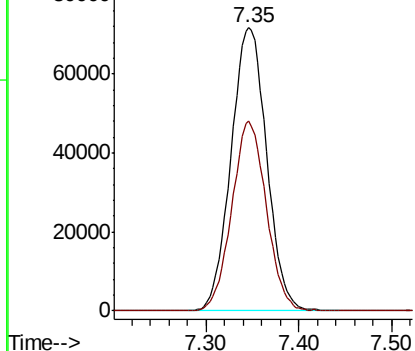


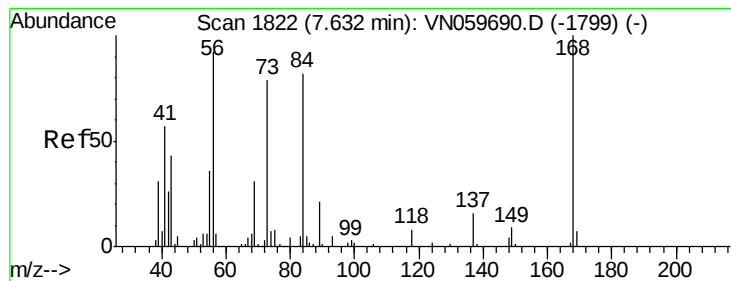
#30
Chloroform
Concen: 54.643 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 83 Resp: 191091
Ion Ratio Lower Upper
83 100
85 67.0 52.4 78.6



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





#31

Cyclohexane

Concen: 42.998 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

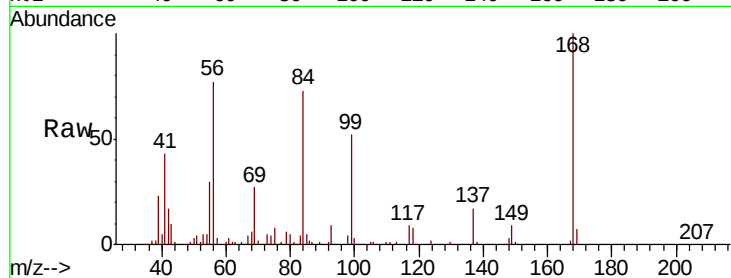
Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 139647

Ion	Ratio	Lower	Upper
56	100		
69	35.6	26.5	39.7
84	93.4	65.3	97.9

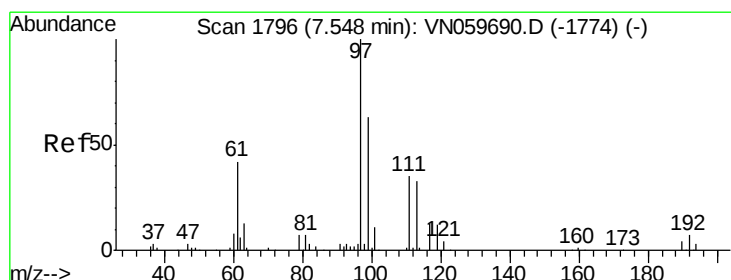
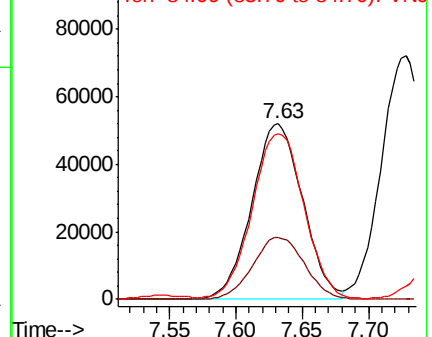
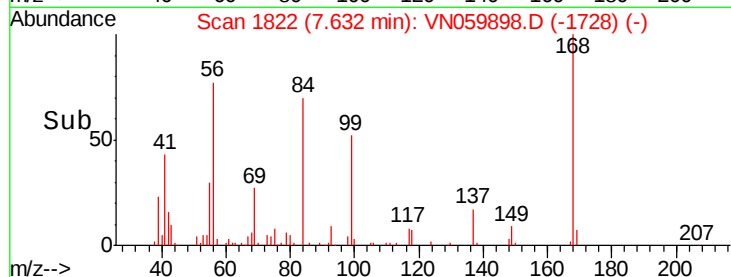


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 52.503 ug/l

RT: 7.55 min Scan# 1796

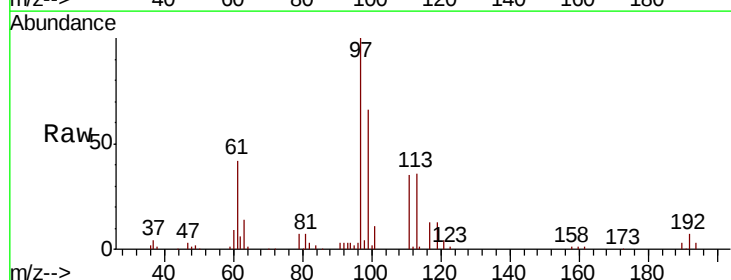
Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Tgt Ion: 97 Resp: 169764

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	42.2	38.5	57.7

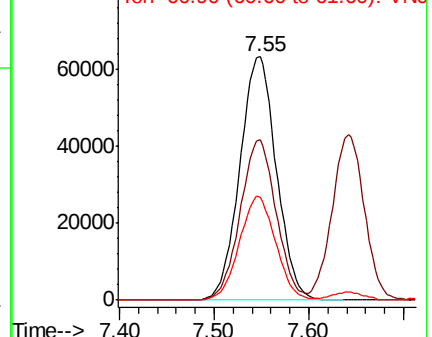
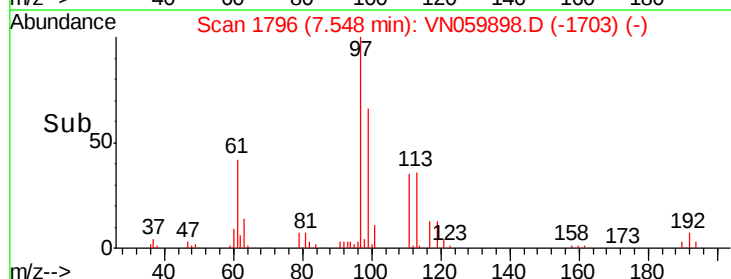


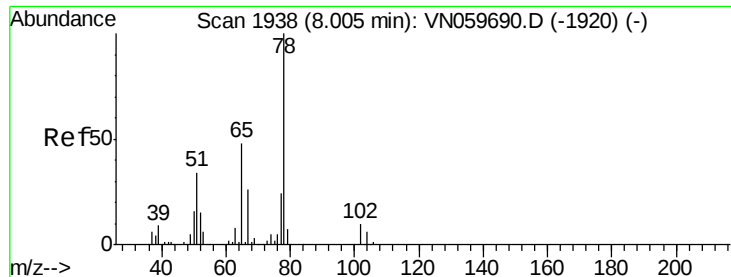
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

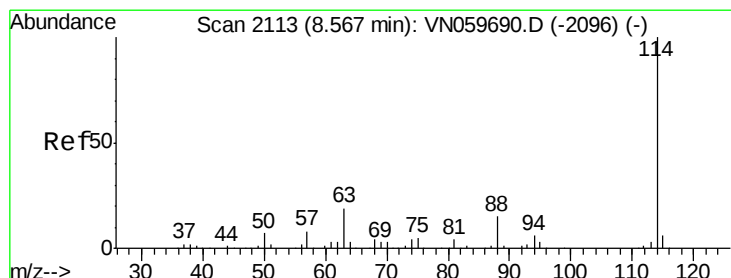
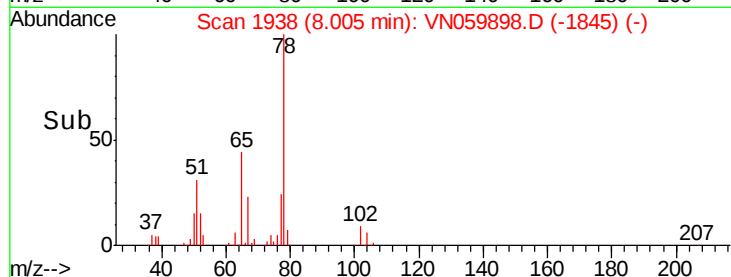
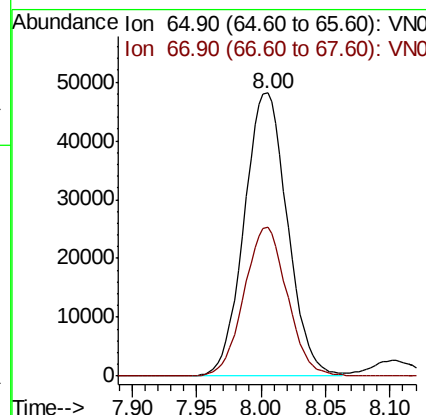
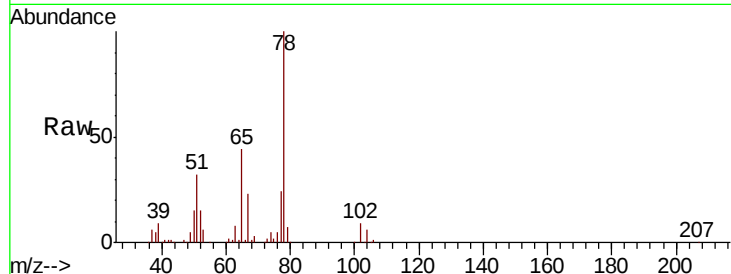




#33
 1,2-Dichloroethane-d4
 Concen: 51.360 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

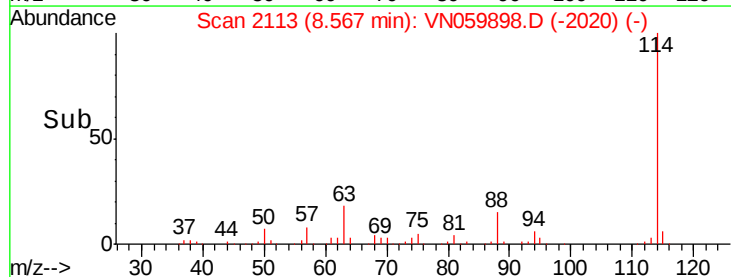
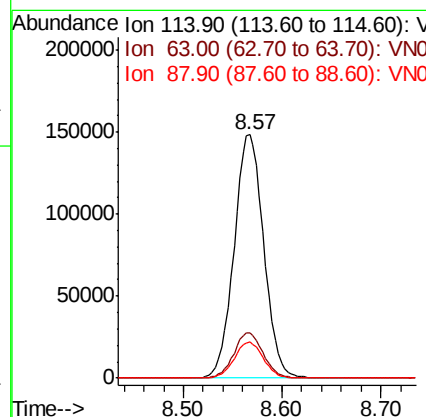
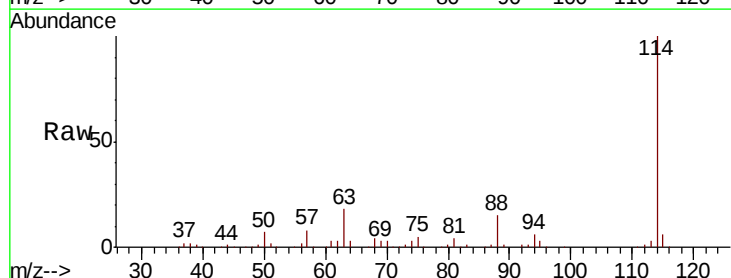
Instrument :
 MSVOA_N
 ClientSampleId :

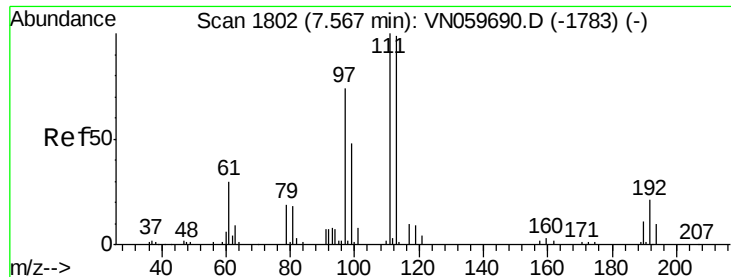
Tot Ion: 65 Resp: 112737
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Tgt Ion: 114 Resp: 310480
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 43.6
 88 14.6 0.0 31.4

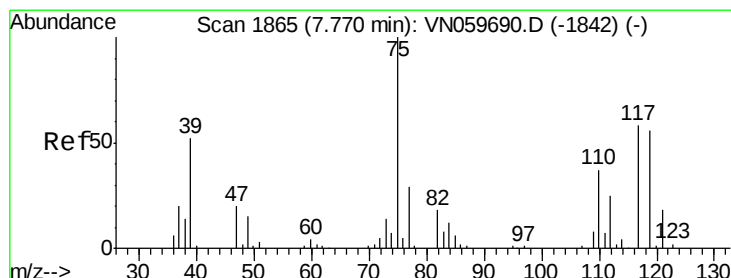
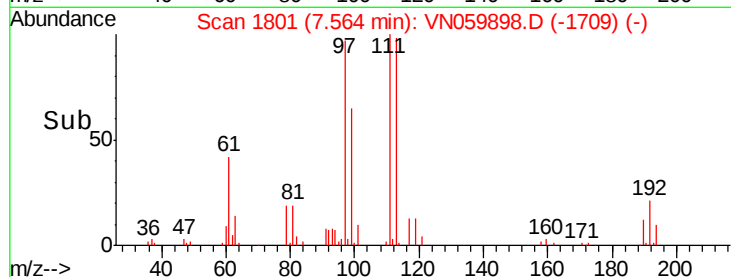
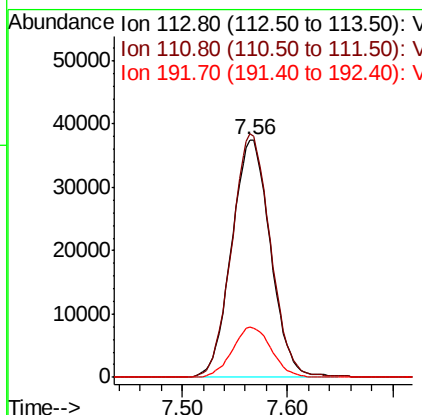
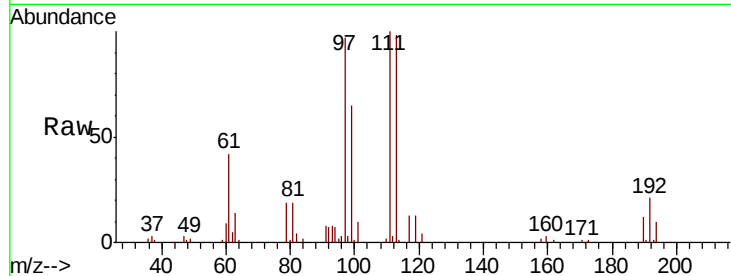




#35
Dibromofluoromethane
Concen: 51.720 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

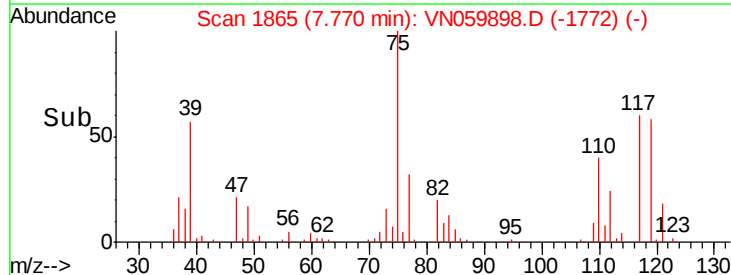
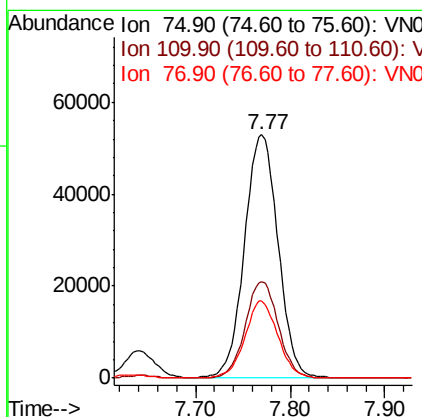
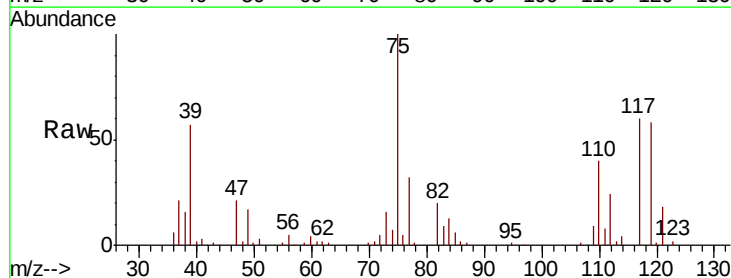
Instrument :
MSVOA_N
ClientSampleId :

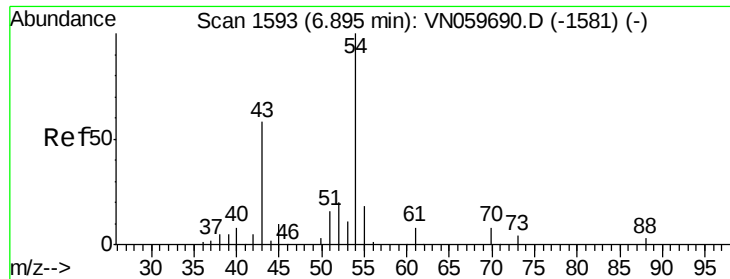
Tot Ion:113 Resp: 95761
Ion Ratio Lower Upper
113 100
111 102.0 83.5 125.3
192 21.2 15.4 23.2



#36
1,1-Dichloropropene
Concen: 48.435 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 75 Resp: 130958
Ion Ratio Lower Upper
75 100
110 38.7 16.6 49.7
77 31.1 25.1 37.7

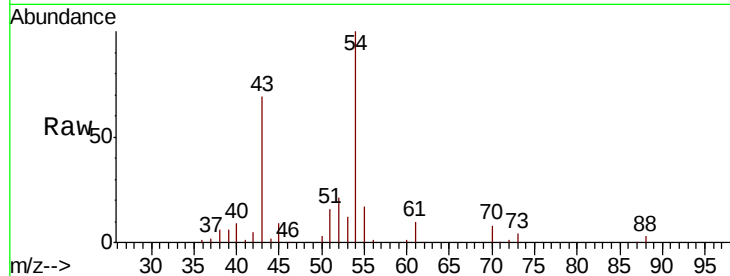




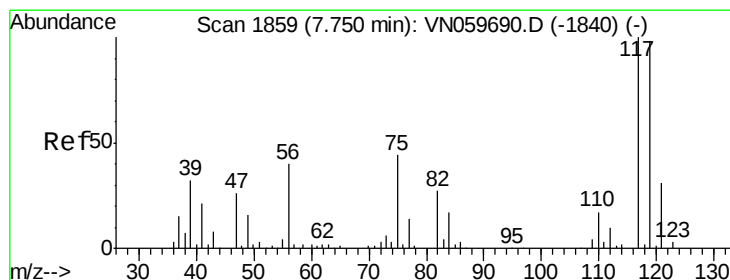
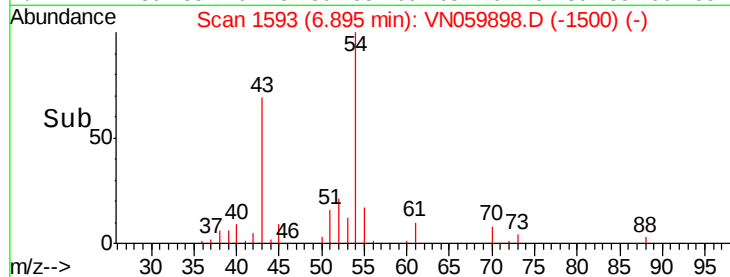
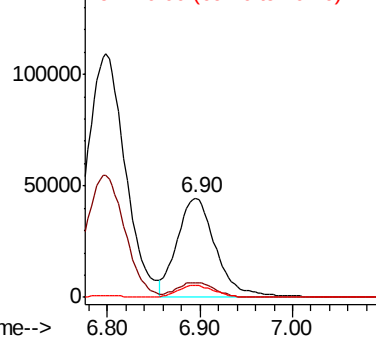
#37
Ethyl Acetate
Concen: 50.215 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 127341
Ion Ratio Lower Upper
43 100
61 15.1 10.9 16.3
70 11.6 7.7 11.5#

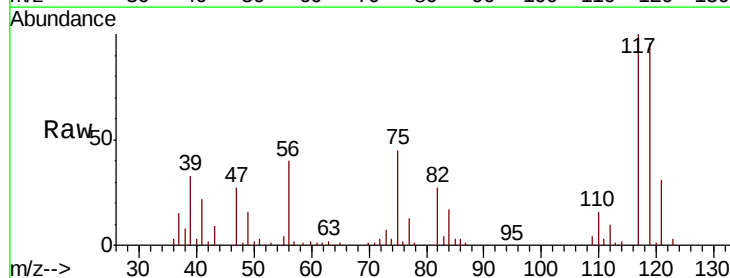


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

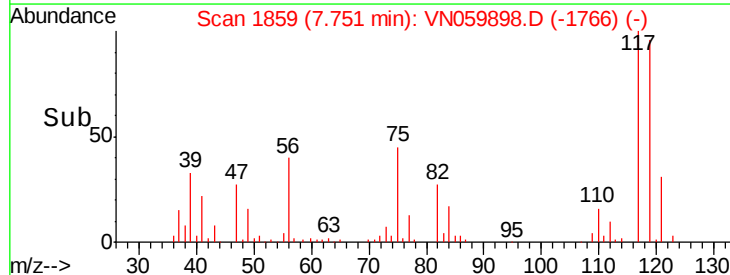
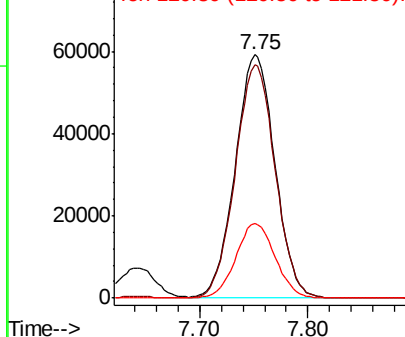


#38
Carbon Tetrachloride
Concen: 51.470 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 117 Resp: 151380
Ion Ratio Lower Upper
117 100
119 96.1 76.5 114.7
121 30.7 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

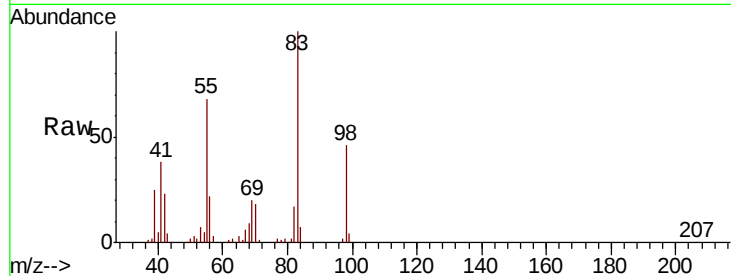




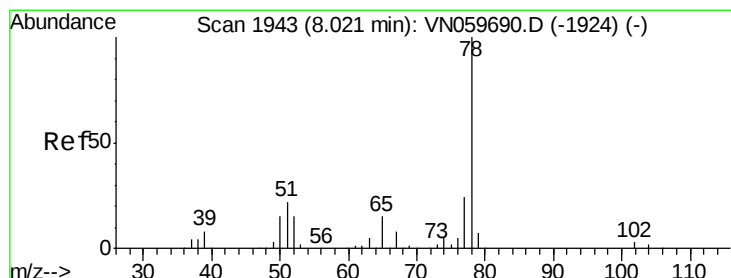
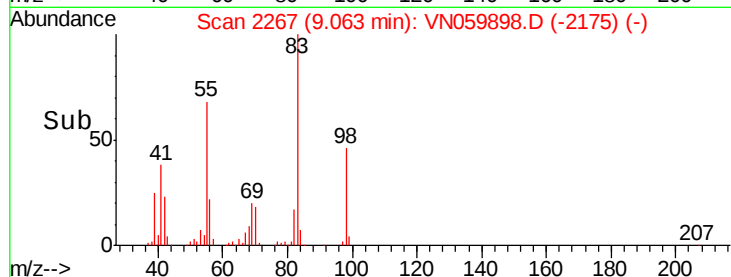
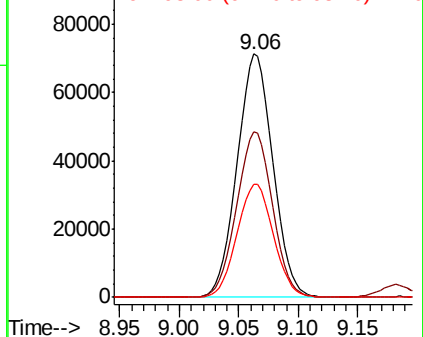
#39
Methvlcvclohexane
Concen: 44.662 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 148896
Ion Ratio Lower Upper
83 100
55 68.0 64.2 96.2
98 46.3 35.9 53.9

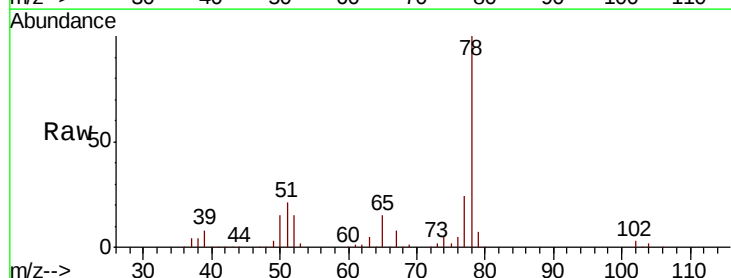


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

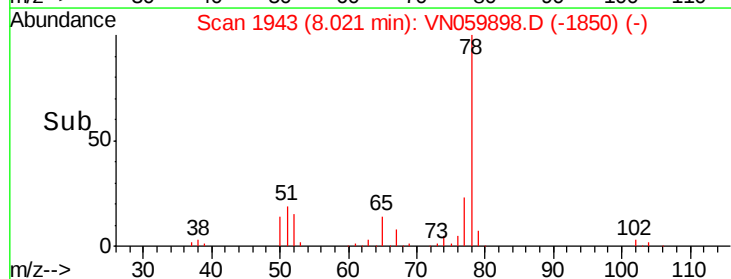
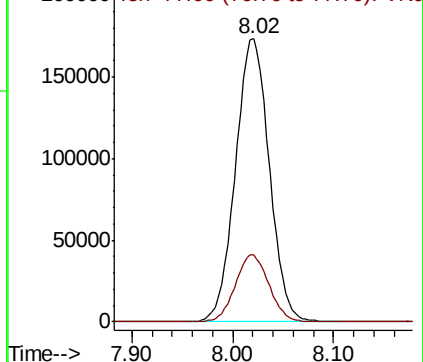


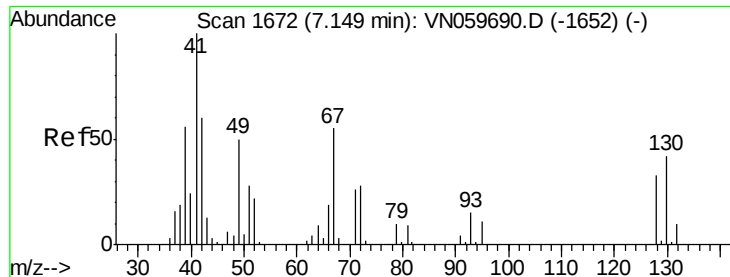
#40
Benzene
Concen: 49.980 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 78 Resp: 403021
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3



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

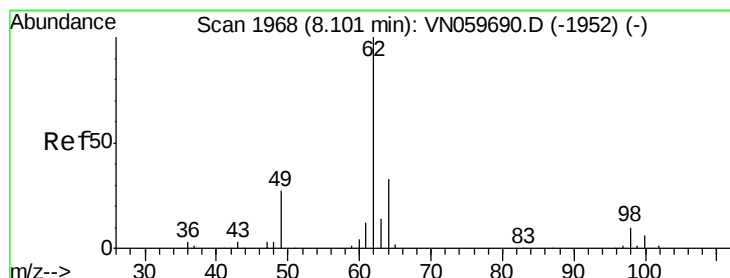
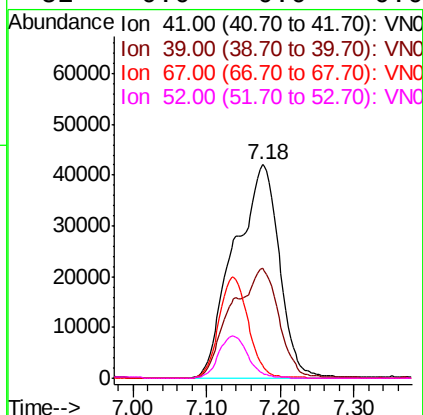
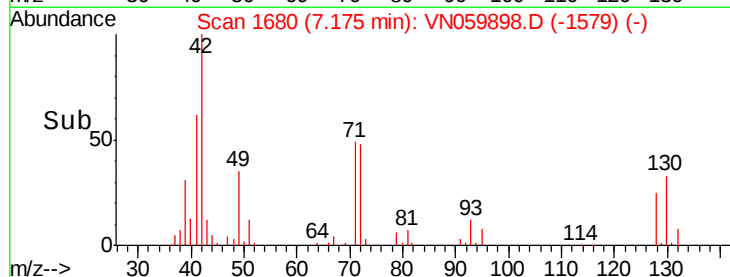
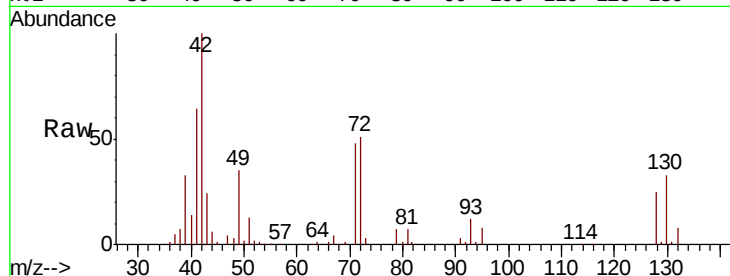




#41
Methacrylonitrile
Concen: 143.763 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

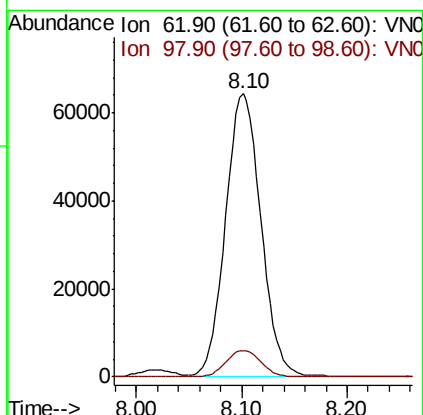
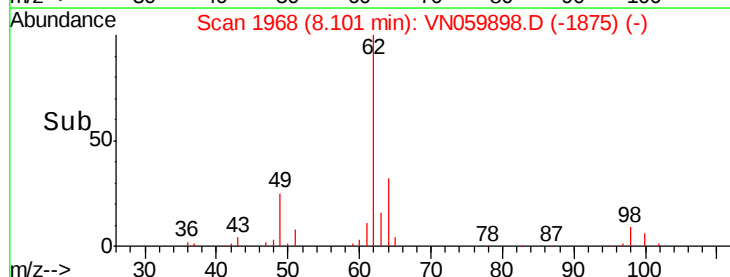
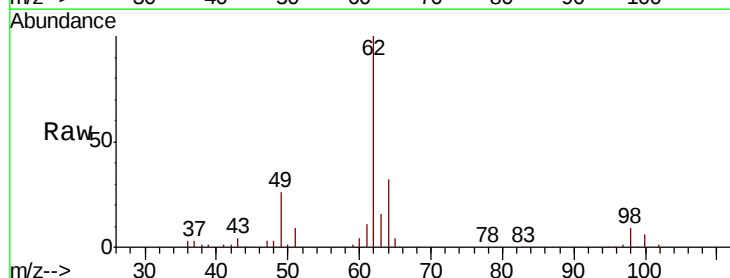
Instrument :
MSVOA_N
ClientSampled :

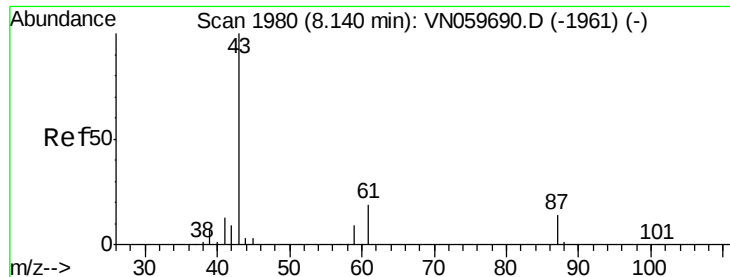
Tot Ion: 41 Resp: 179571
Ion Ratio Lower Upper
41 100
39 53.7 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 54.578 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 62 Resp: 149217
Ion Ratio Lower Upper
62 100
98 9.3 0.0 15.8





#43

Isopropyl Acetate

Concen: 51.807 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

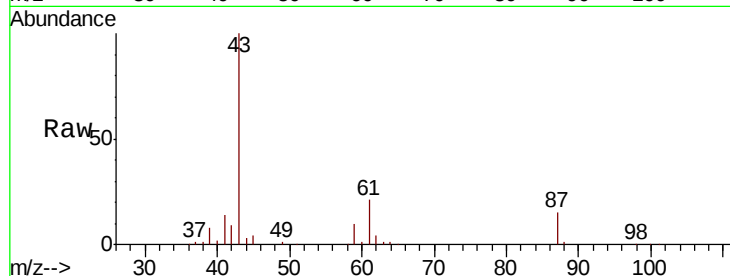
Tot Ion: 43 Resp: 225974

Ion Ratio Lower Upper

43 100

61 27.4 20.2 30.2

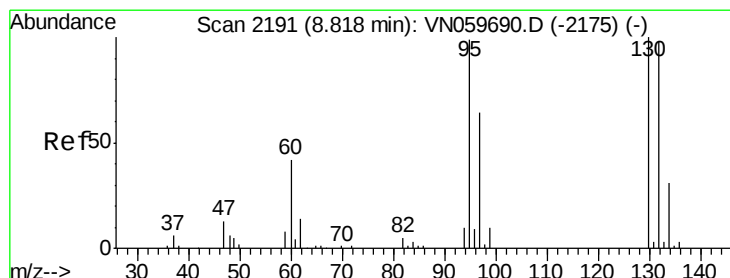
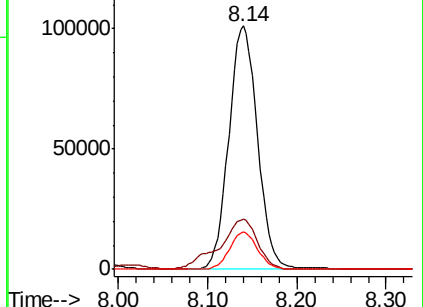
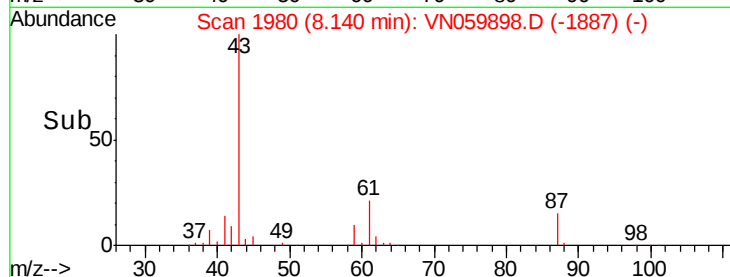
87 14.9 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059898.D (-1987) (-)

Ion 61.00 (60.70 to 61.70): VN059898.D (-1987) (-)

Ion 87.00 (86.70 to 87.70): VN059898.D (-1987) (-)



#44

Trichloroethene

Concen: 54.724 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059898.D

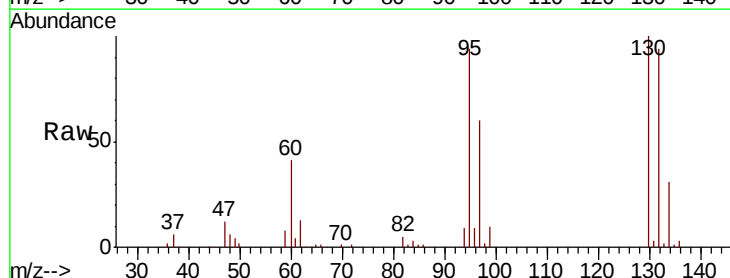
Acq: 28 Jan 2020 17:42

Tgt Ion:130 Resp: 120463

Ion Ratio Lower Upper

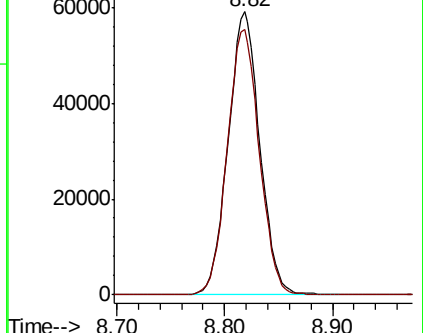
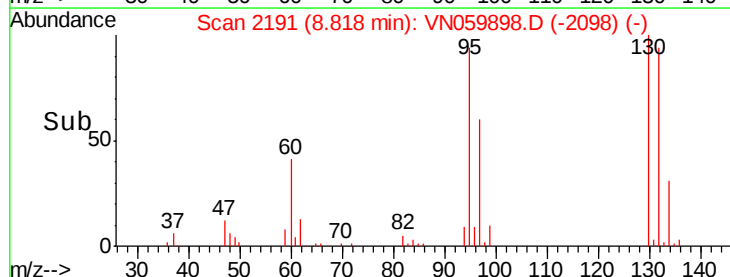
130 100

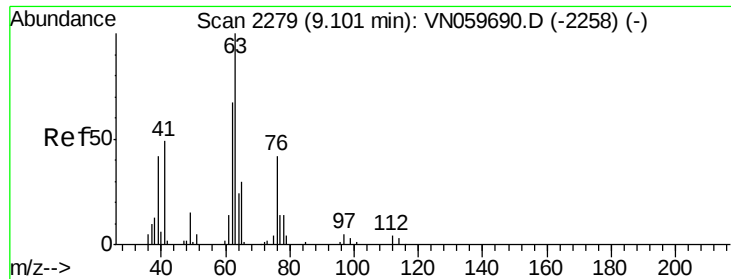
95 93.7 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059898.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059898.D (-2098) (-)

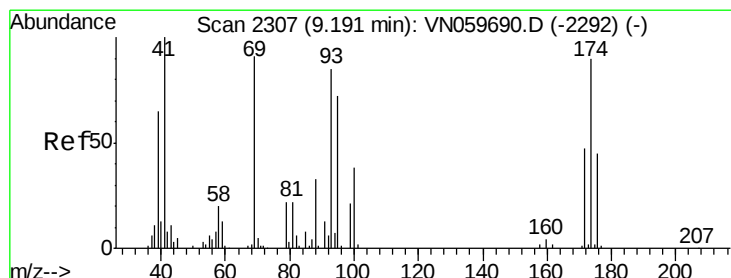
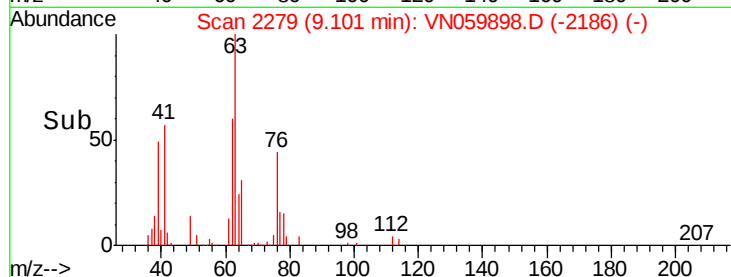
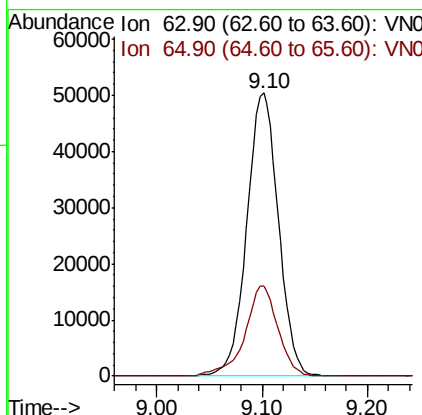
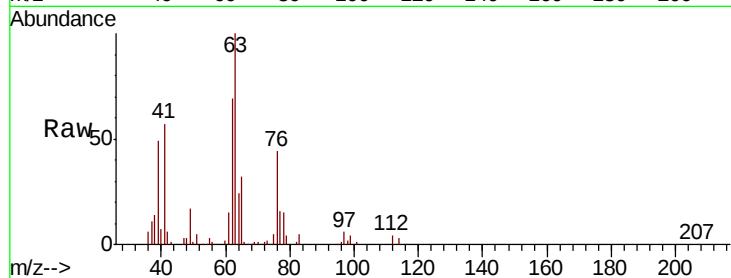




#45
 1,2-Dichloropropane
 Concen: 52.725 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

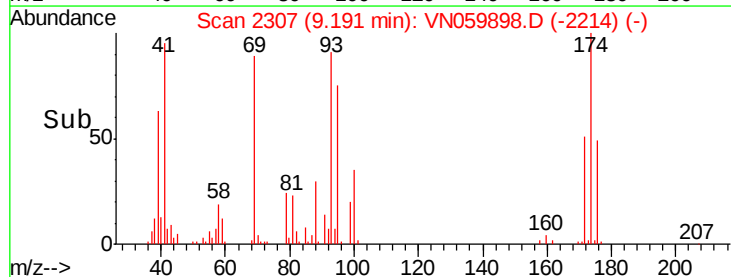
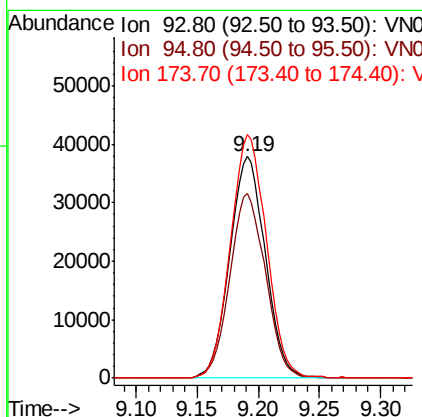
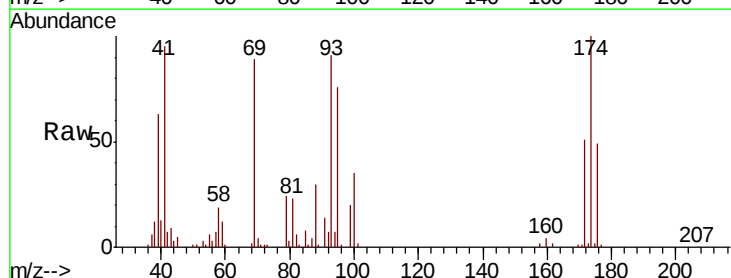
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 105204
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.9 37.3



#46
 Dibromomethane
 Concen: 54.727 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Tgt Ion: 93 Resp: 77030
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.0 100.6
 174 110.5 73.4 110.2#

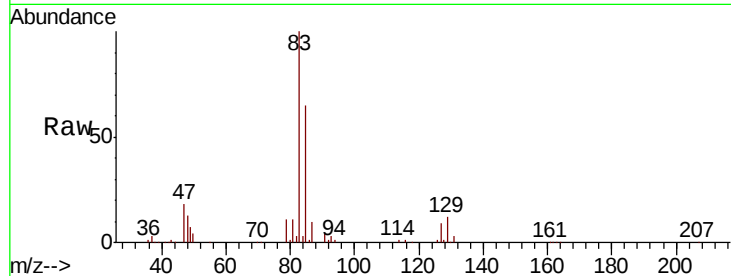




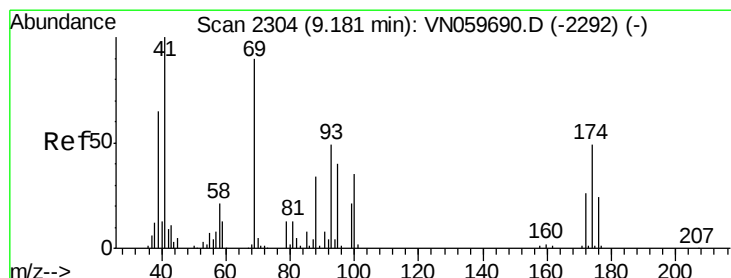
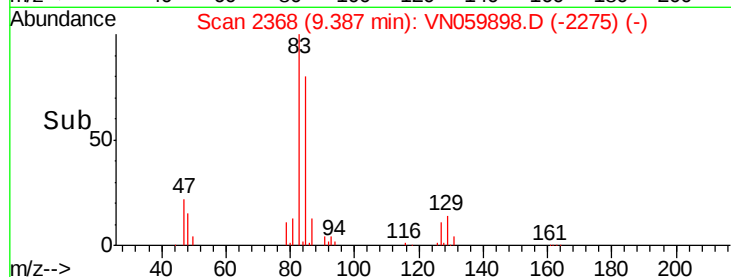
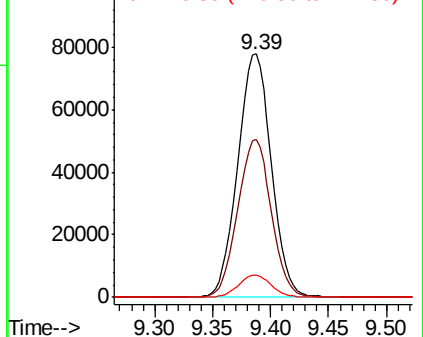
#47
Bromodichloromethane
Concen: 55.391 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 157113
Ion Ratio Lower Upper
83 100
85 64.9 51.1 76.7
127 9.0 6.6 9.8

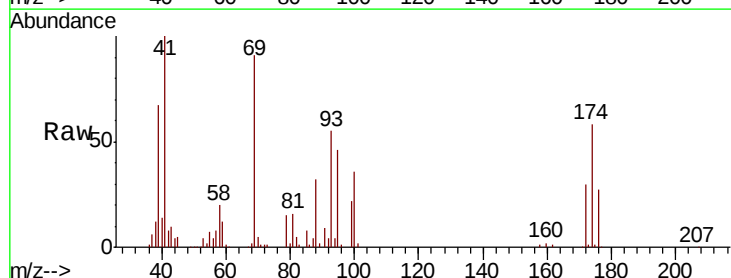


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

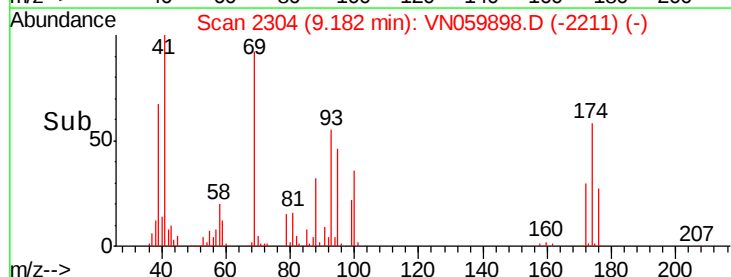
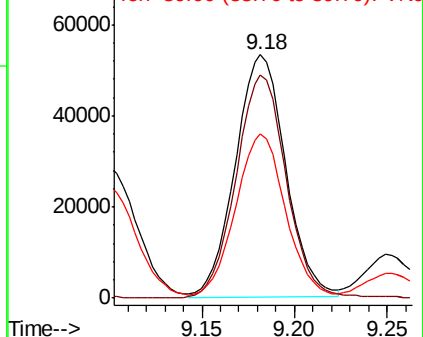


#48
Methyl methacrylate
Concen: 51.767 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 41 Resp: 101000
Ion Ratio Lower Upper
41 100
69 91.7 64.4 96.6
39 66.8 51.3 76.9



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





#49

1,4-Dioxane

Concen: 1028.511 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :

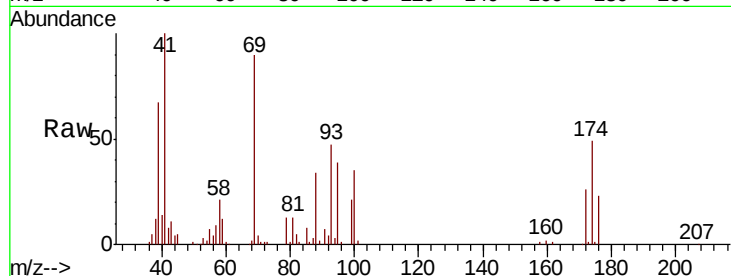
Tot Ion: 88 Resp: 36735

Ion Ratio Lower Upper

88 100

43 31.3 29.7 44.5

58 62.9 56.6 85.0

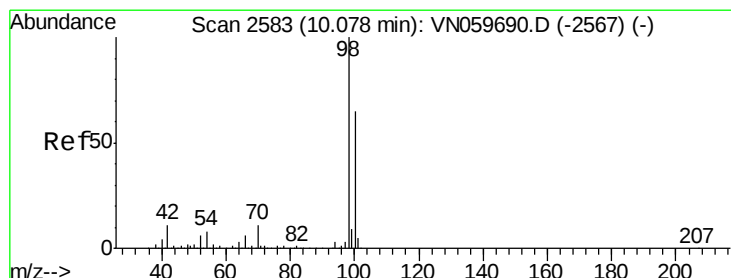
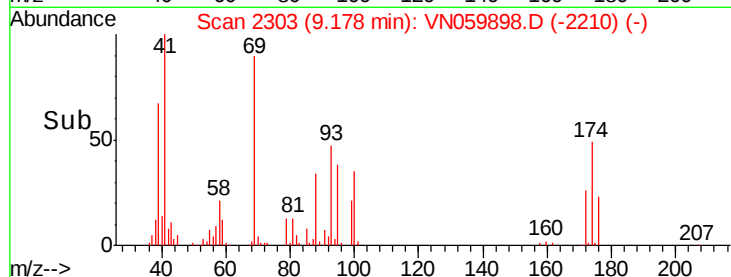
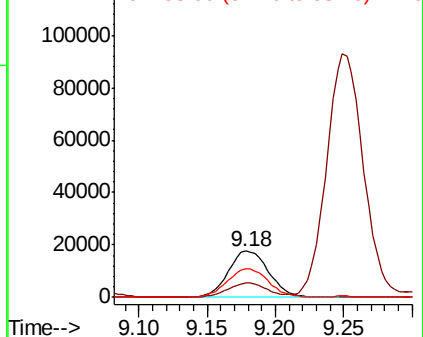


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.966 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059898.D

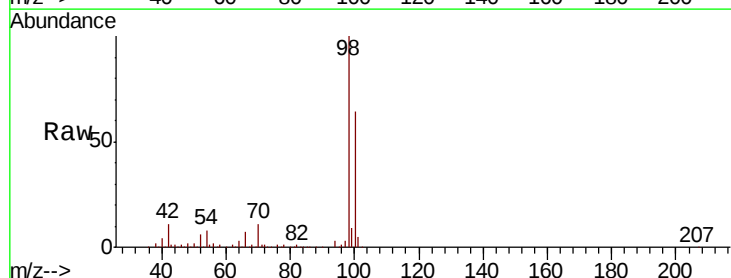
Acq: 28 Jan 2020 17:42

Tgt Ion: 98 Resp: 351269

Ion Ratio Lower Upper

98 100

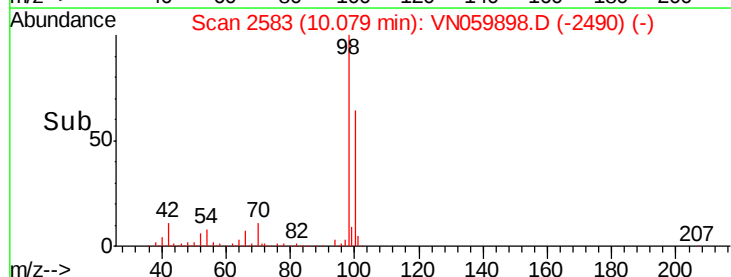
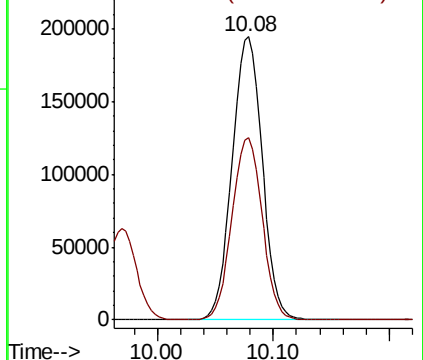
100 64.3 51.2 76.8

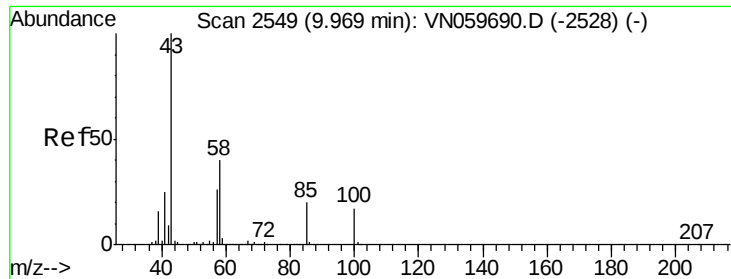


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 256.587 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

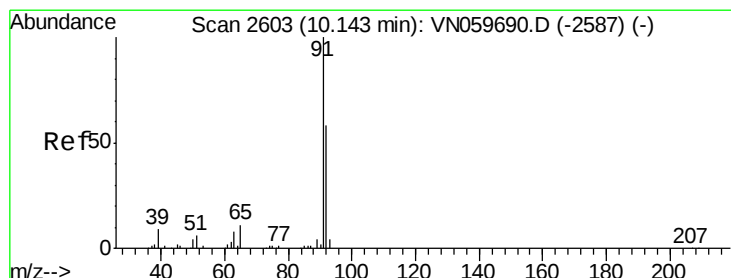
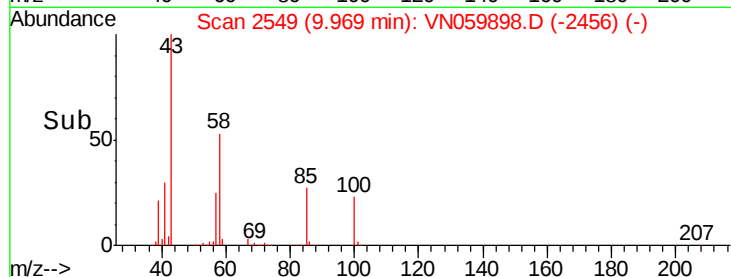
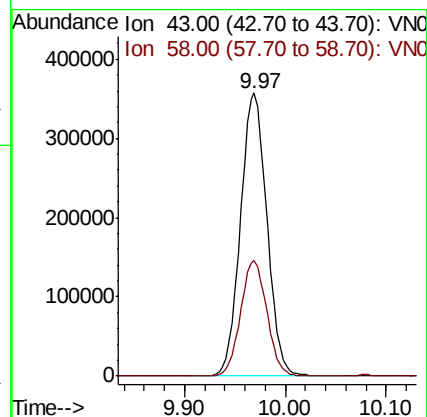
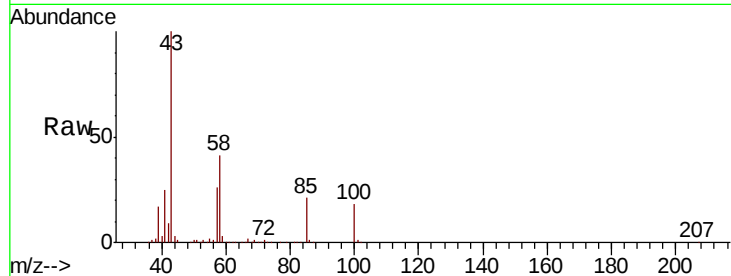
ClientSampleId :

Tot Ion: 43 Resp: 646973

Ion Ratio Lower Upper

43 100

58 40.7 29.8 44.8



#52

Toluene

Concen: 51.696 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059898.D

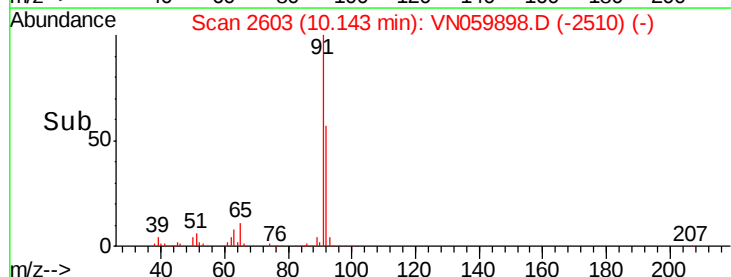
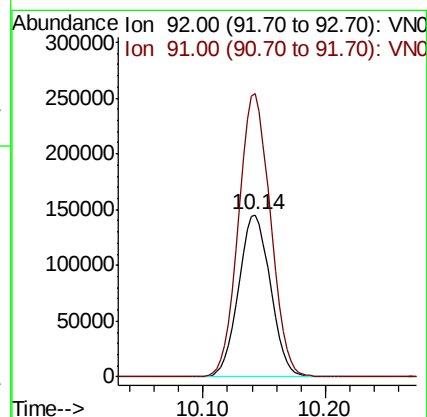
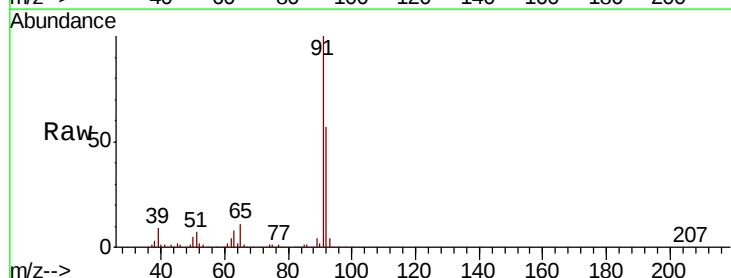
Acq: 28 Jan 2020 17:42

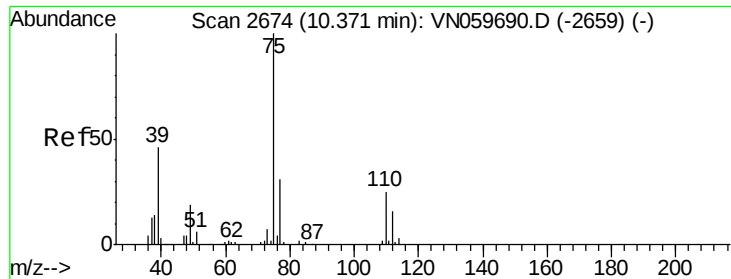
Tgt Ion: 92 Resp: 263306

Ion Ratio Lower Upper

92 100

91 175.4 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 55.669 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

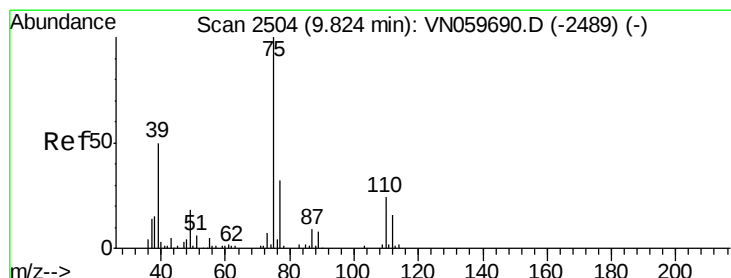
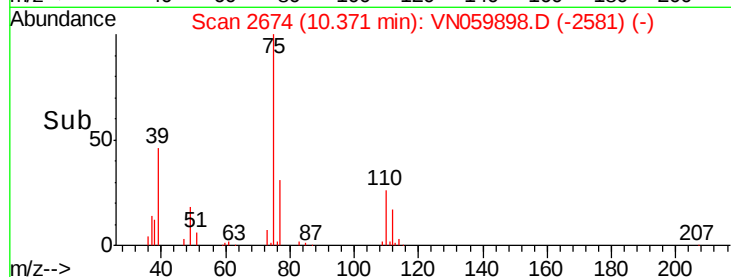
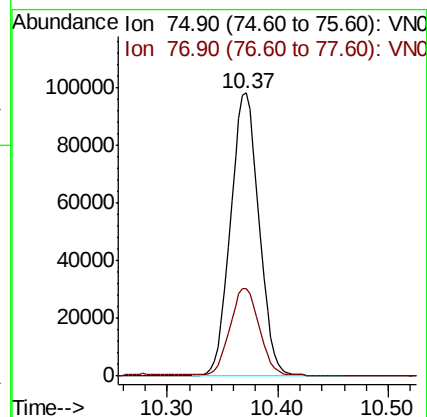
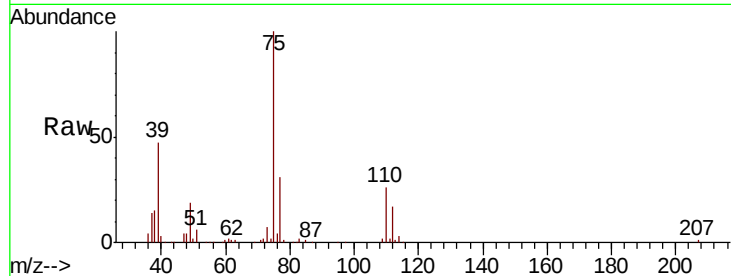
ClientSampled :

Tot Ion: 75 Resp: 176310

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 55.557 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

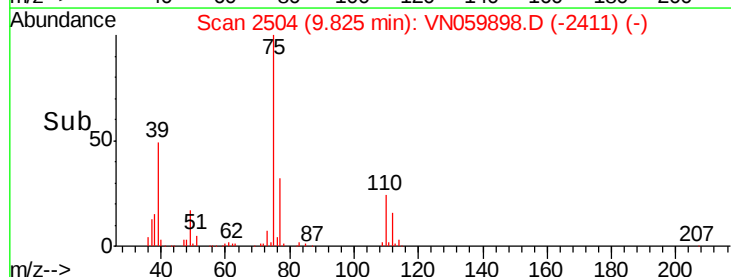
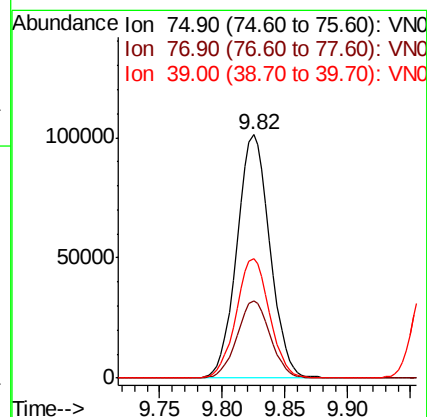
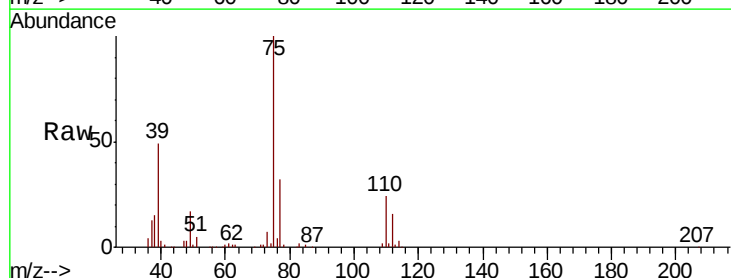
Tgt Ion: 75 Resp: 185137

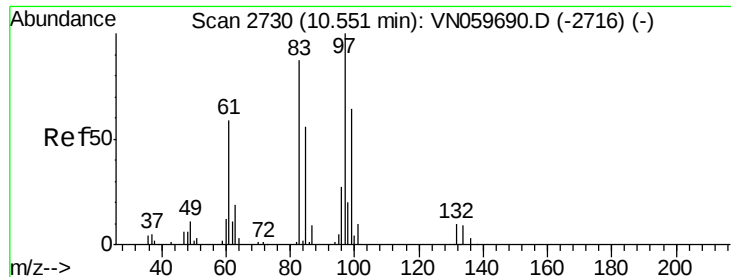
Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

39 49.1 46.1 69.1

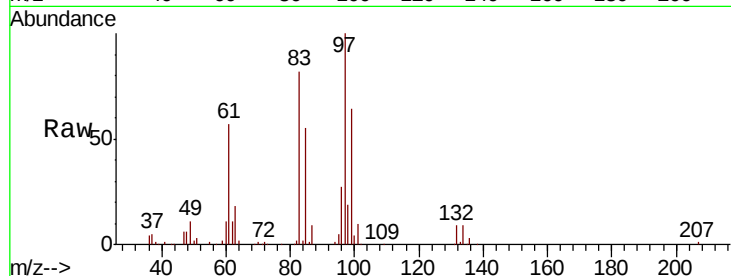




#55
 1,1,2-Trichloroethane
 Concen: 55.792 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	97	Resp	112548
Ion	Ratio	Lower	Upper
97	100		
83	82.0	71.3	106.9
85	55.1	45.8	68.8
99	64.6	50.0	75.0



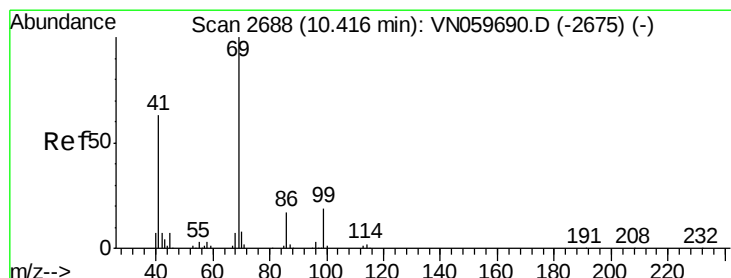
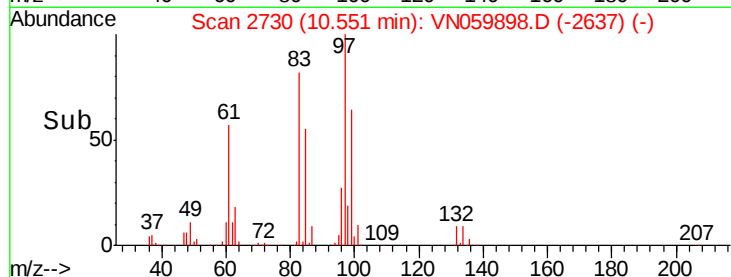
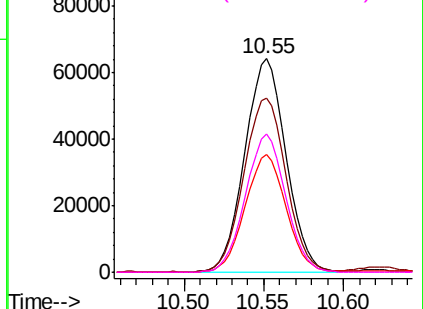
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

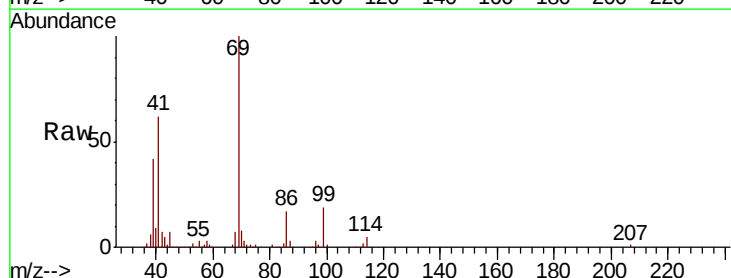
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 53.590 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Tgt Ion	69	Resp	165185
Ion	Ratio	Lower	Upper
69	100		
41	60.5	57.1	85.7
39	41.4	34.7	52.1

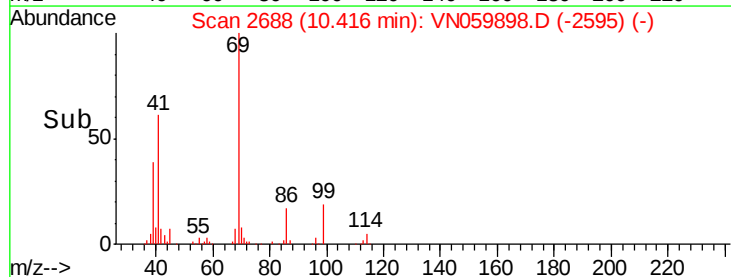
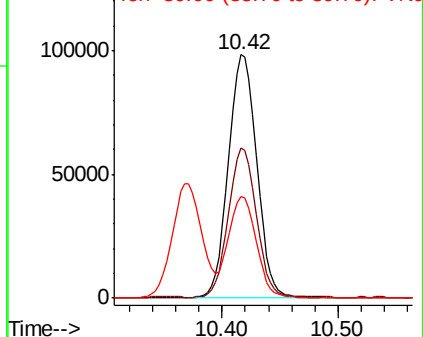


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 55.691 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

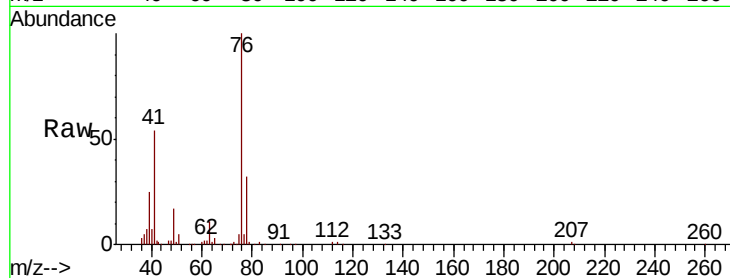
ClientSampled :

Tot Ion: 76 Resp: 178360

Ion Ratio Lower Upper

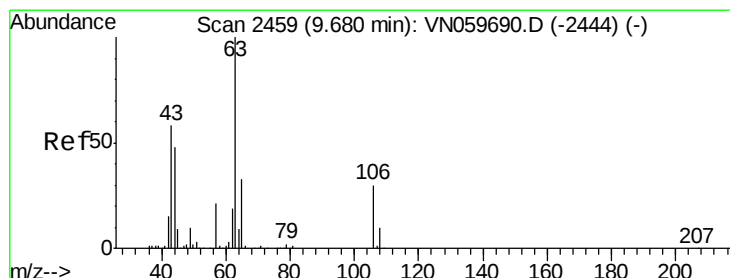
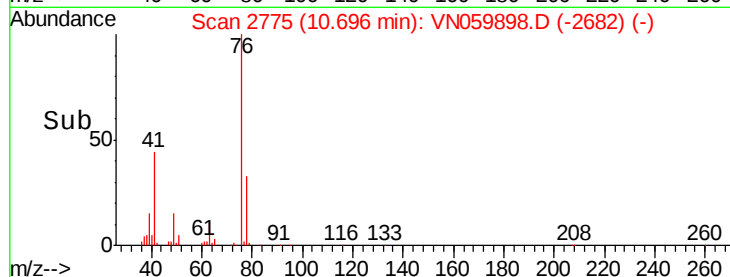
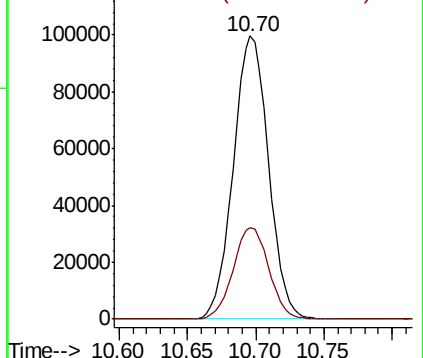
76 100

78 32.7 25.8 38.8



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: 343.536 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059898.D

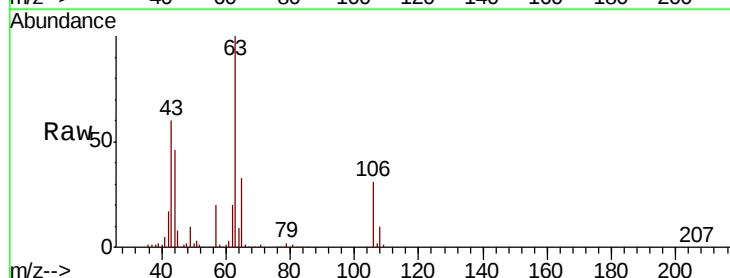
Acq: 28 Jan 2020 17:42

Tgt Ion: 63 Resp: 318948

Ion Ratio Lower Upper

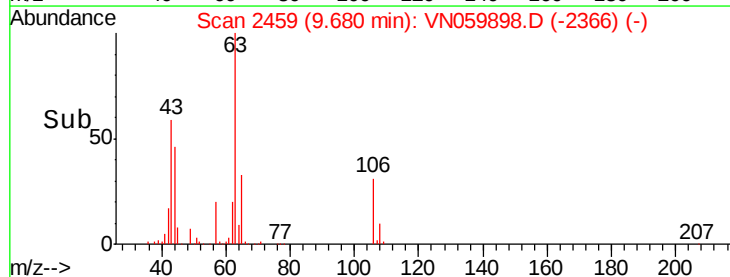
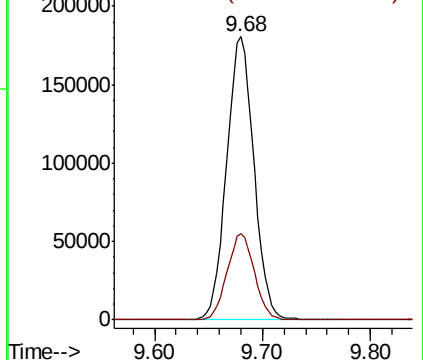
63 100

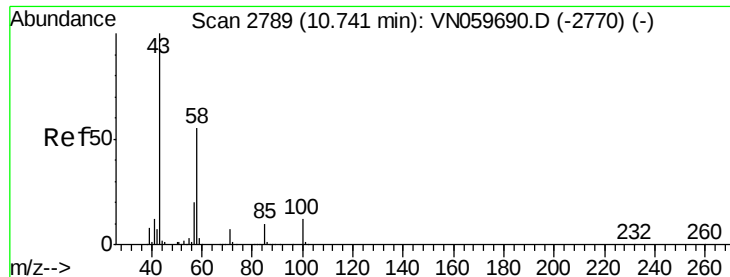
106 30.4 20.2 30.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

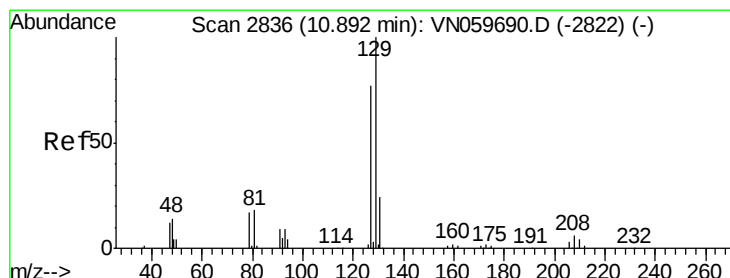
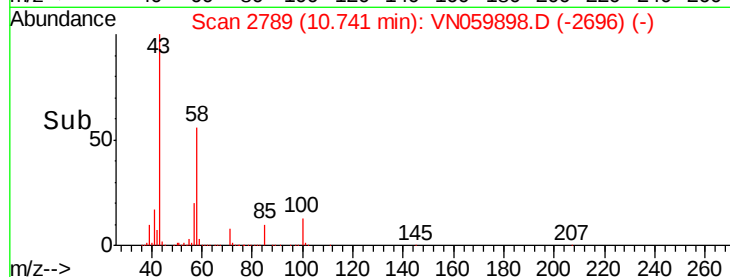
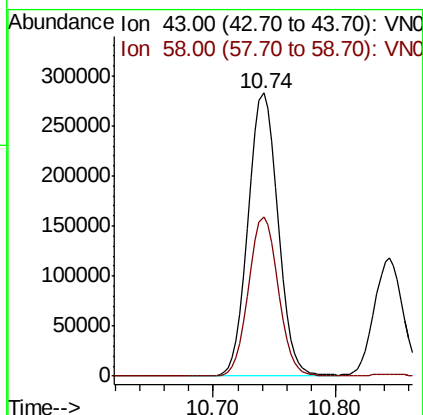
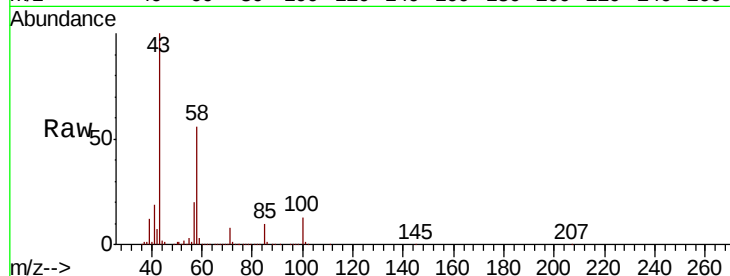




#59
2-Hexanone
Concen: 255.634 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

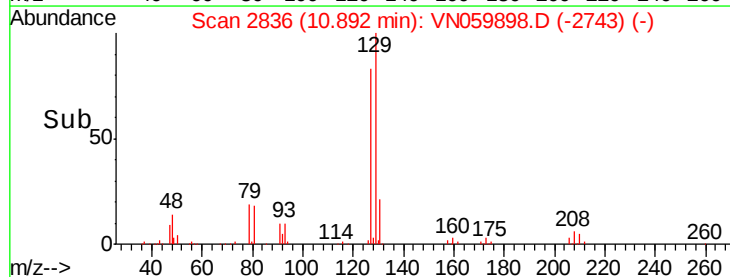
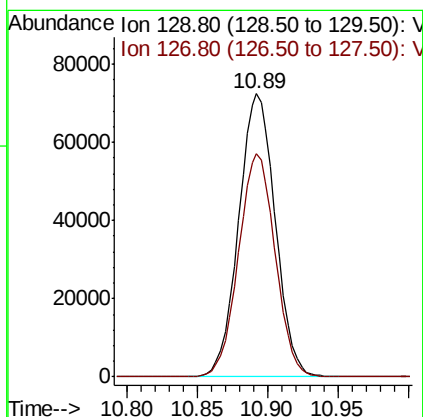
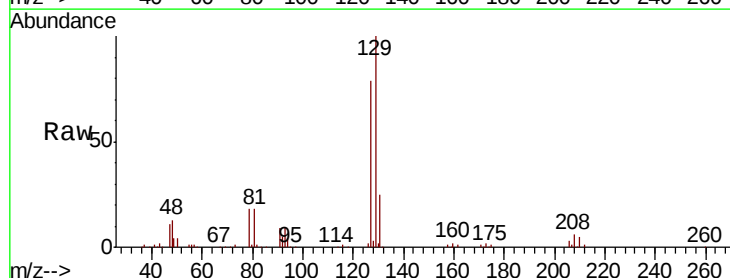
Instrument :
MSVOA_N
ClientSampled :

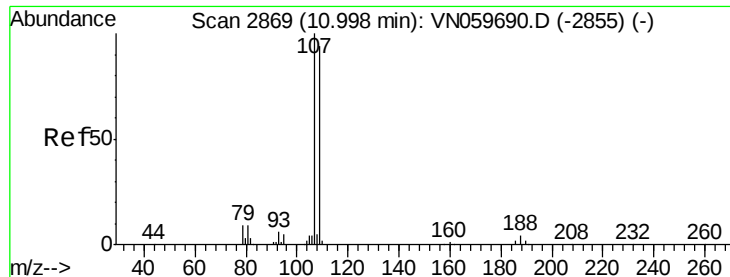
Tot Ion: 43 Resp: 474858
Ion Ratio Lower Upper
43 100
58 56.2 25.8 77.3



#60
Dibromochloromethane
Concen: 57.319 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 129 Resp: 131673
Ion Ratio Lower Upper
129 100
127 78.9 38.5 115.5

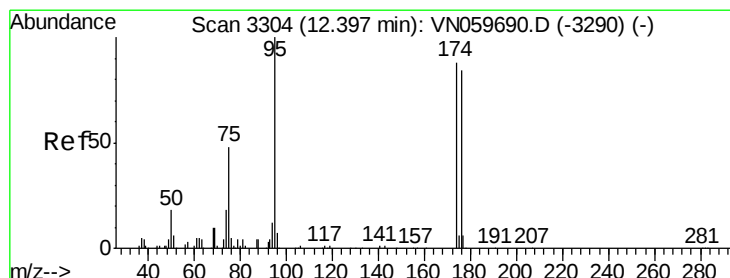
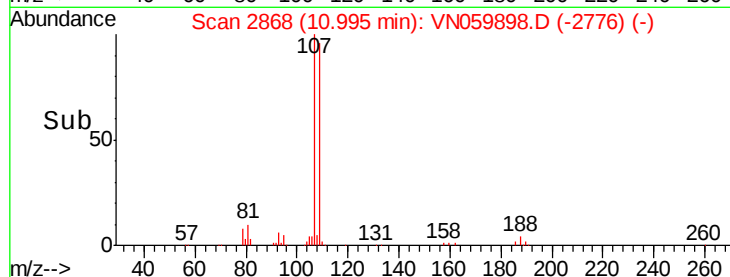
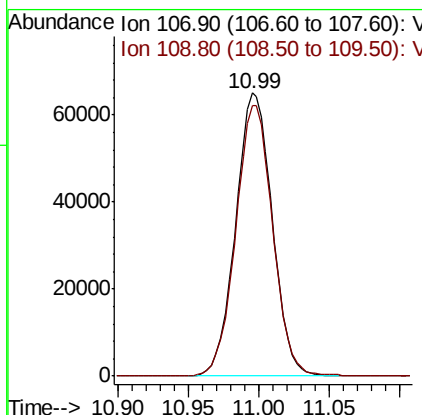
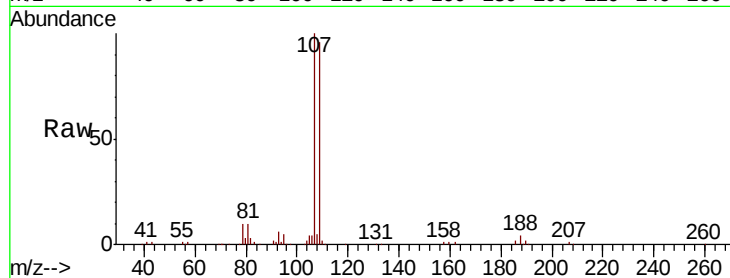




#61
 1,2-Dibromoethane
 Concen: 55.869 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

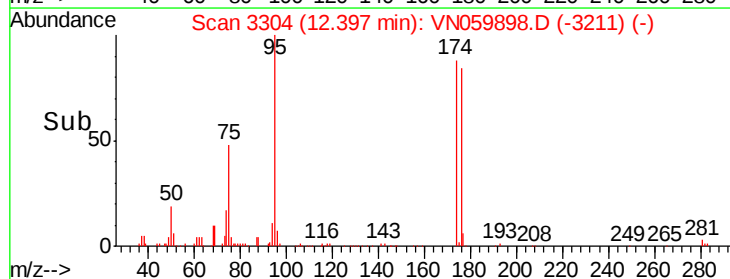
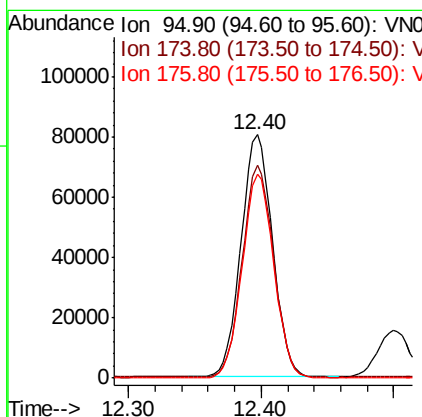
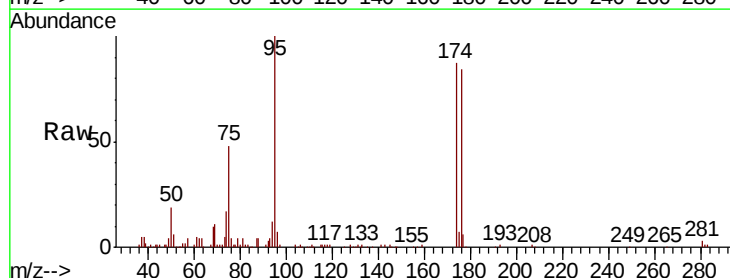
Instrument :
 MSVOA_N
 ClientSampleId :

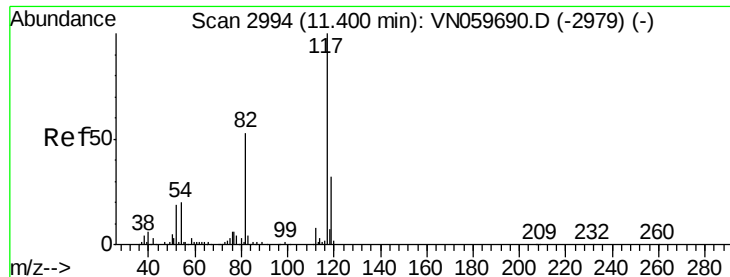
Tot Ion:107 Resp: 118126
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 51.368 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Tgt Ion: 95 Resp: 132845
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 151.4
 176 84.6 0.0 146.0

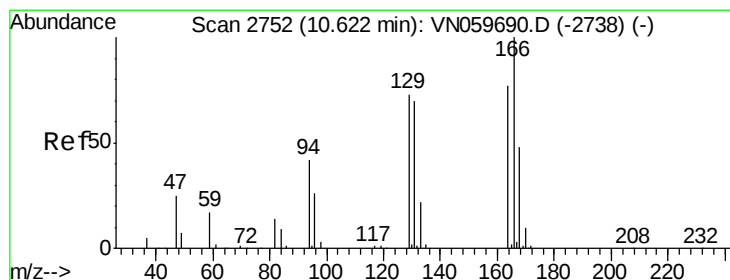
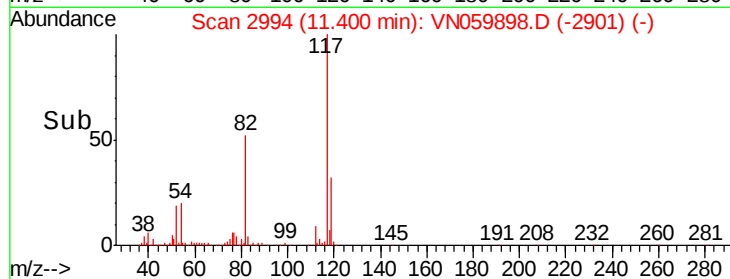
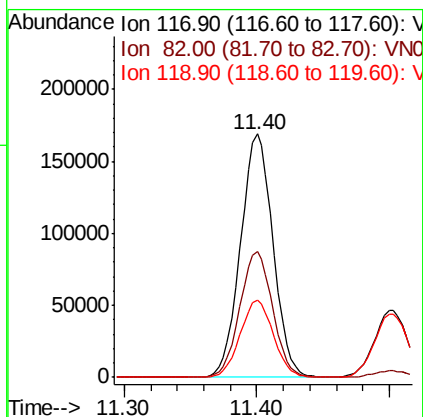
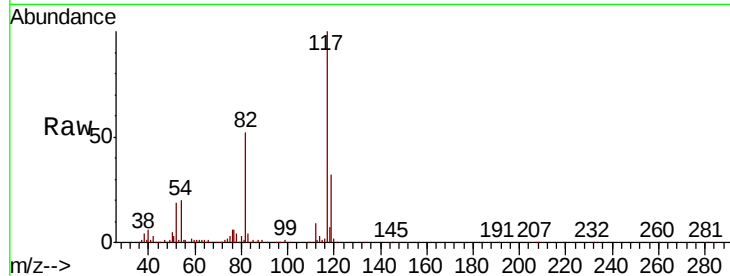




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

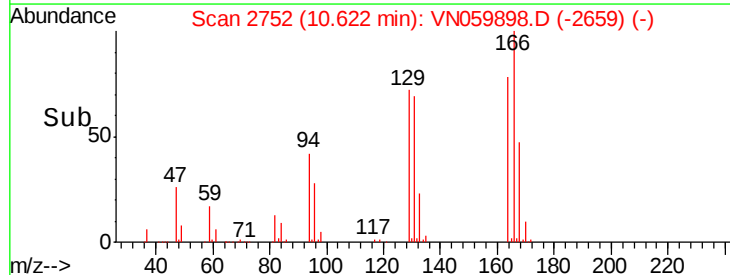
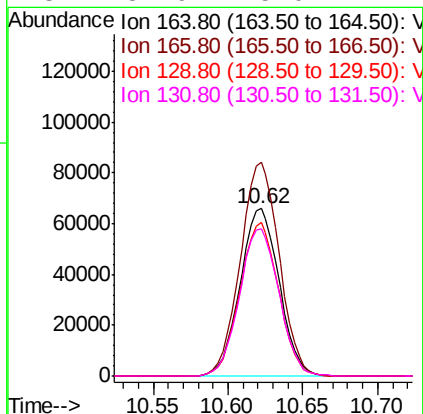
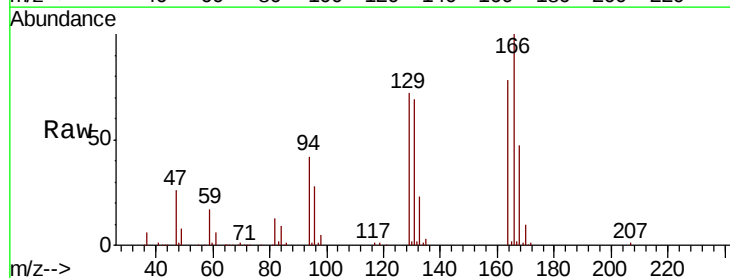
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 286669
Ion Ratio Lower Upper
117 100
82 51.5 45.9 68.9
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 51.046 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion:164 Resp: 119262
Ion Ratio Lower Upper
164 100
166 127.8 101.4 152.0
129 91.8 80.2 120.4
131 87.9 75.0 112.4

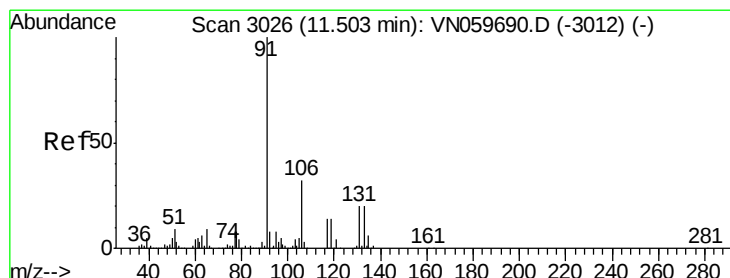
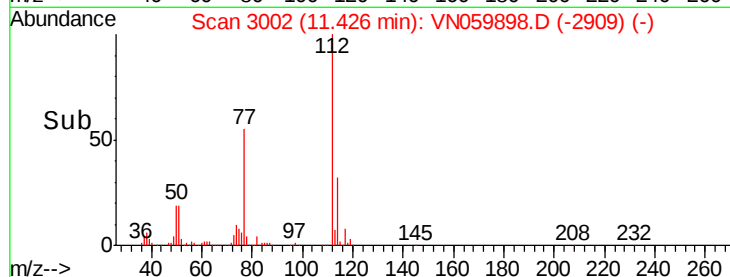
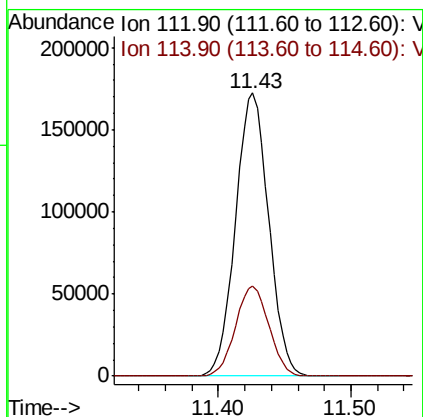
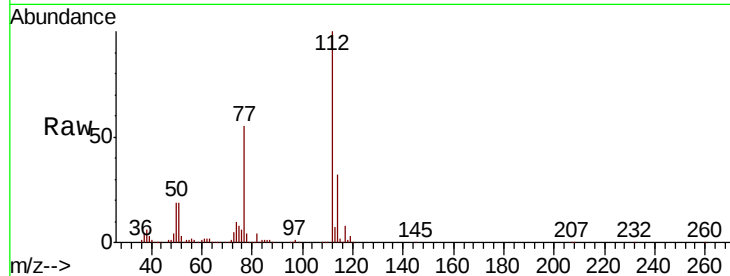




#65
Chlorobenzene
Concen: 53.153 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

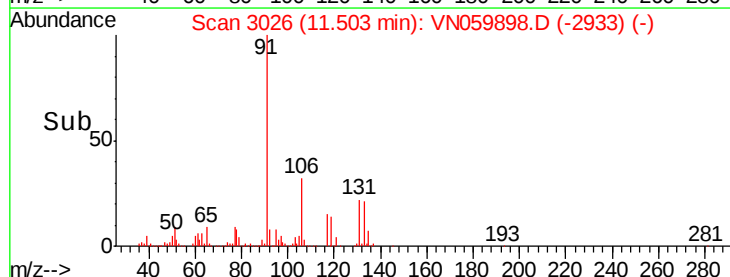
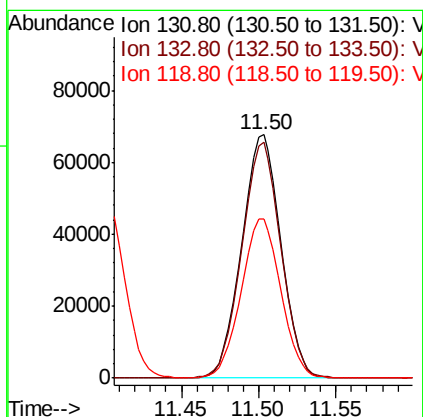
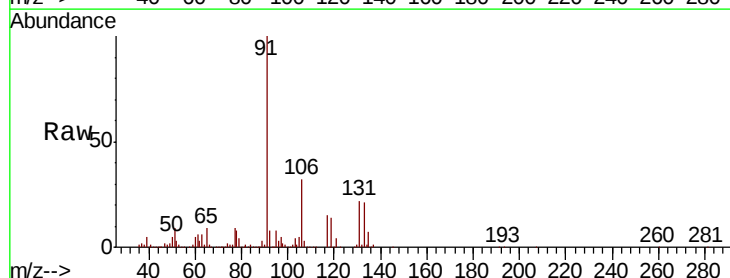
Instrument :
MSVOA_N
ClientSampled :

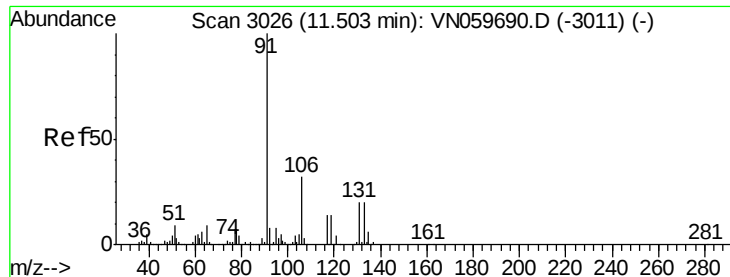
Tot Ion:112 Resp: 299498
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.909 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion:131 Resp: 119548
Ion Ratio Lower Upper
131 100
133 97.0 47.4 142.2
119 66.3 33.1 99.3





#67

Ethyl Benzene

Concen: 50.983 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

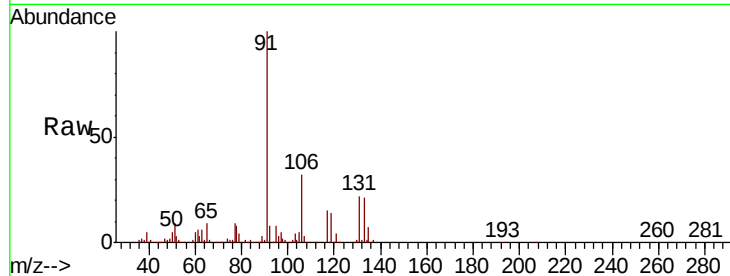
ClientSampled :

Tot Ion: 91 Resp: 521478

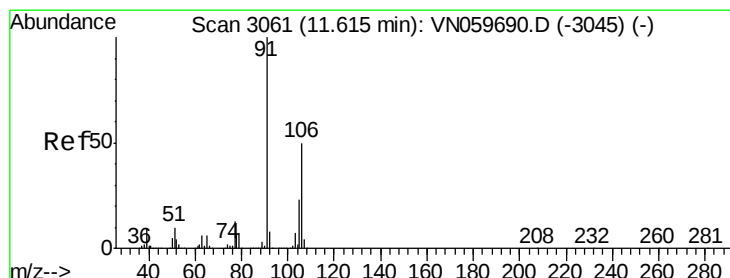
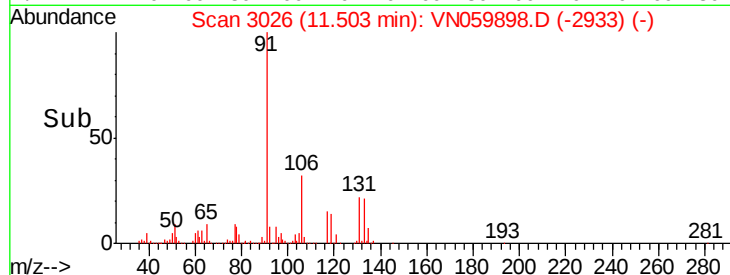
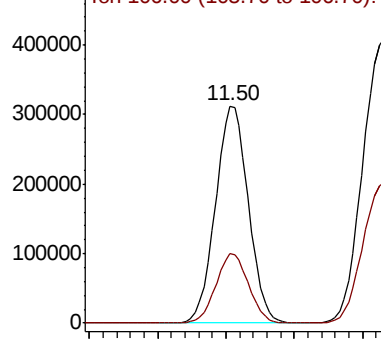
Ion Ratio Lower Upper

91 100

106 31.8 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3011) (-)



#68

m/p-Xylenes

Concen: 102.544 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059898.D

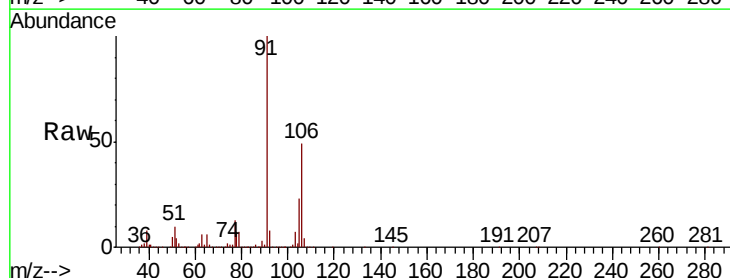
Acq: 28 Jan 2020 17:42

Tgt Ion: 106 Resp: 396205

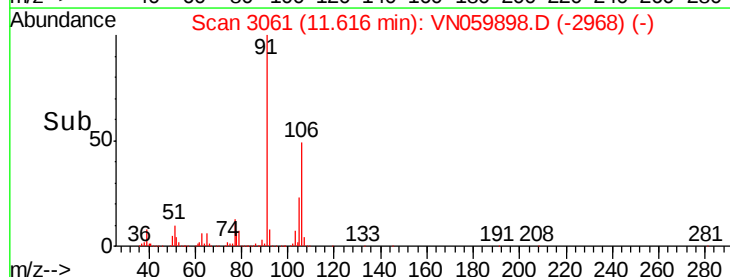
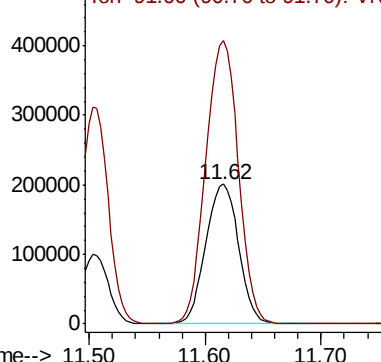
Ion Ratio Lower Upper

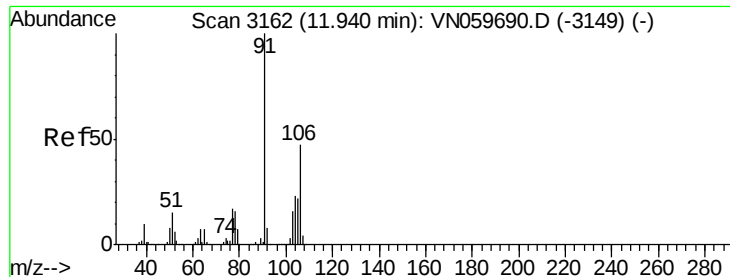
106 100

91 200.9 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059690.D (-3045) (-)

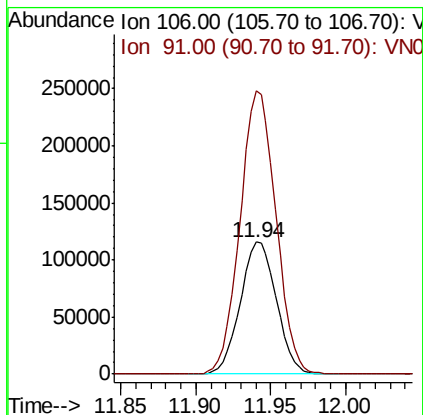
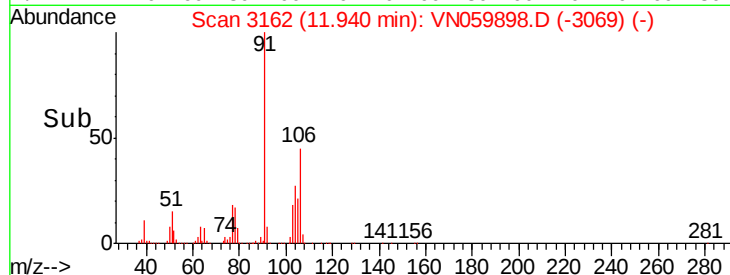
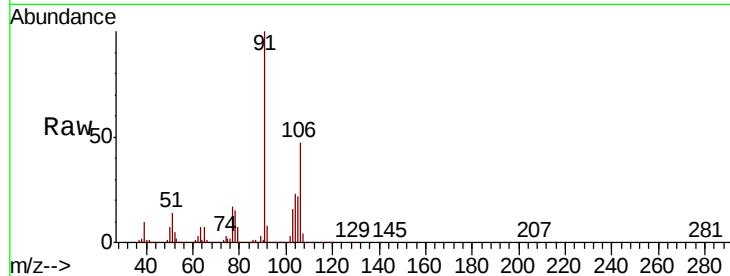




#69
o-Xylene
Concen: 51.425 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

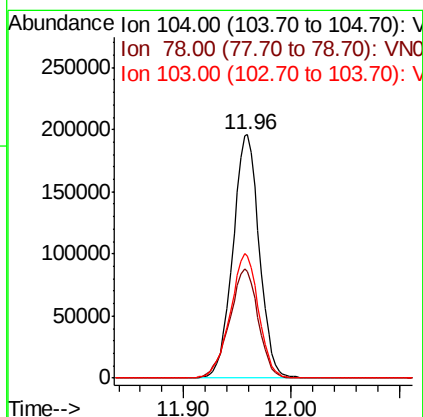
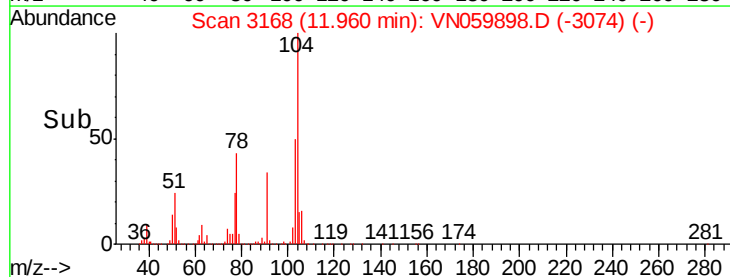
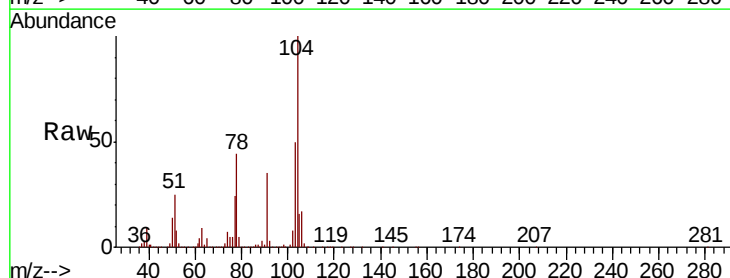
Instrument :
MSVOA_N
ClientSampled :

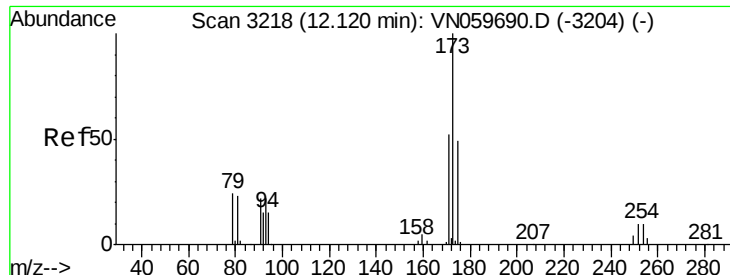
Tot Ion:106 Resp: 194522
Ion Ratio Lower Upper
106 100
91 212.9 110.3 330.9



#70
Styrene
Concen: 52.839 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion:104 Resp: 334455
Ion Ratio Lower Upper
104 100
78 48.9 42.4 63.6
103 54.8 43.9 65.9

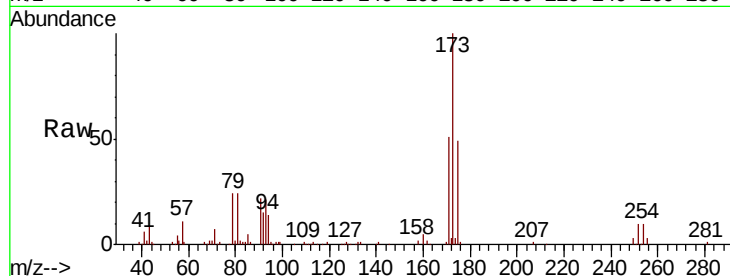




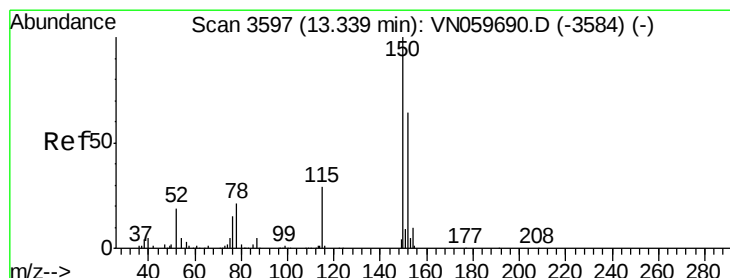
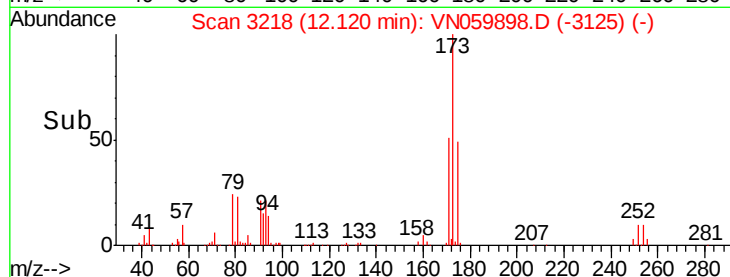
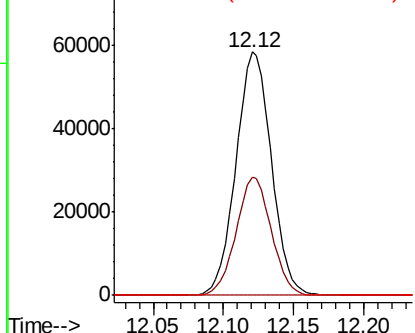
#71
Bromoform
Concen: 58.981 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 102861
Ion Ratio Lower Upper
173 100
175 48.0 23.8 71.4
254 0.0 0.0 0.0

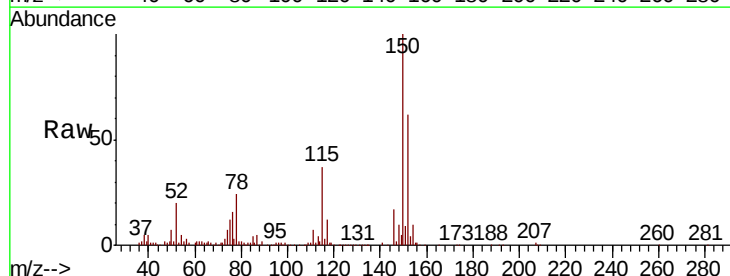


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

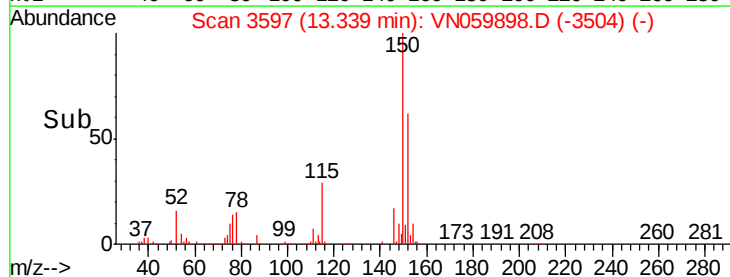
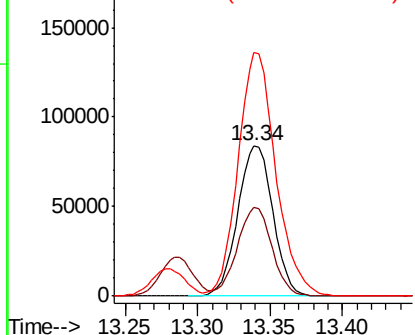


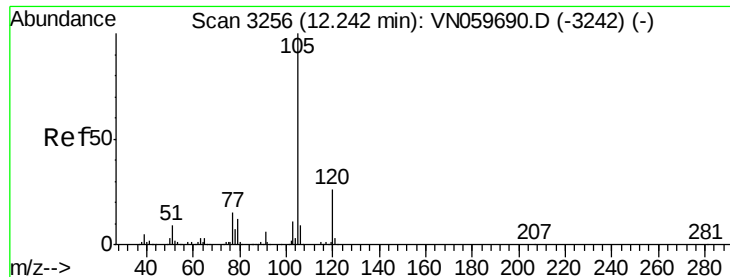
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion:152 Resp: 141830
Ion Ratio Lower Upper
152 100
115 57.5 30.3 90.9
150 173.7 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.631 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

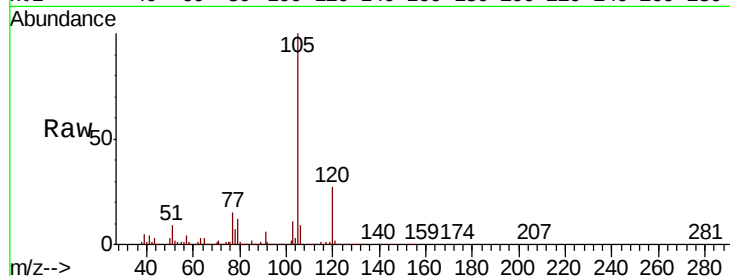
ClientSampled :

Tot Ion: 105 Resp: 516248

Ion Ratio Lower Upper

105 100

120 27.1 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

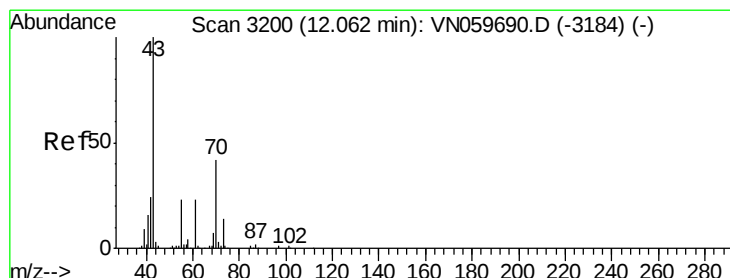
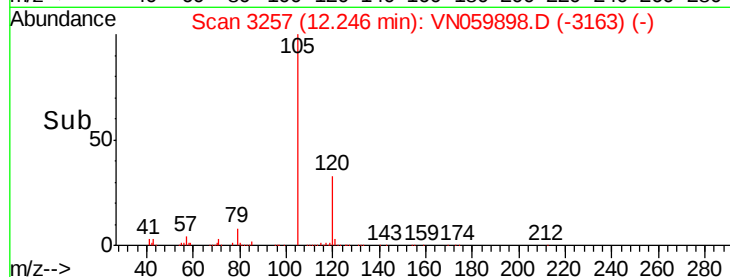
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 49.711 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Tgt Ion: 43 Resp: 200642

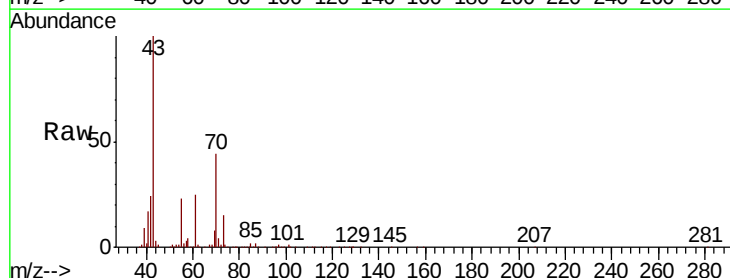
Ion Ratio Lower Upper

43 100

70 43.4 31.3 46.9

55 23.0 19.8 29.6

61 24.5 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

150000

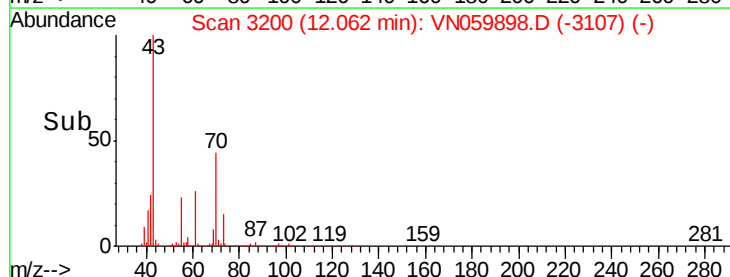
100000

50000

0

Time-->

12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 51.674 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

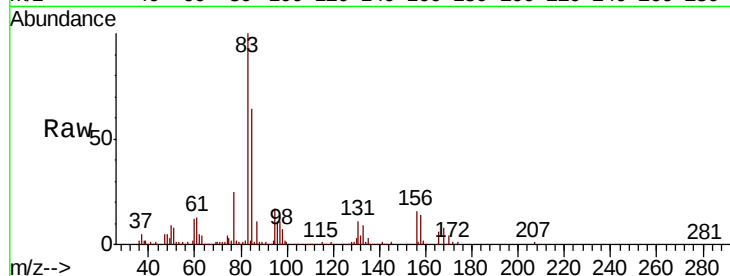
Tot Ion: 83 Resp: 155821

Ion Ratio Lower Upper

83 100

131 11.2 5.0 14.9

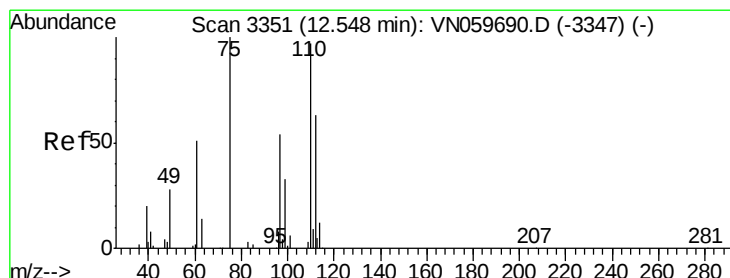
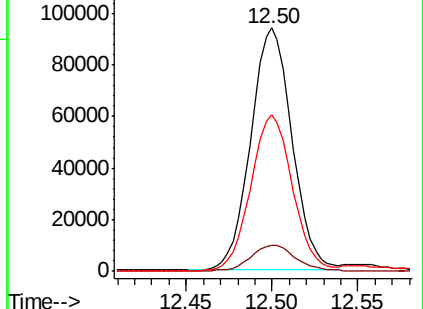
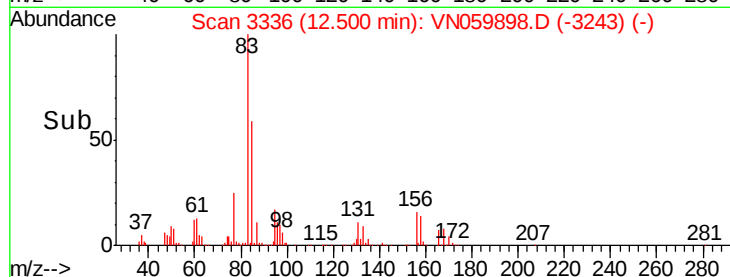
85 64.9 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059898.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059898.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059898.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 88.785 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059898.D

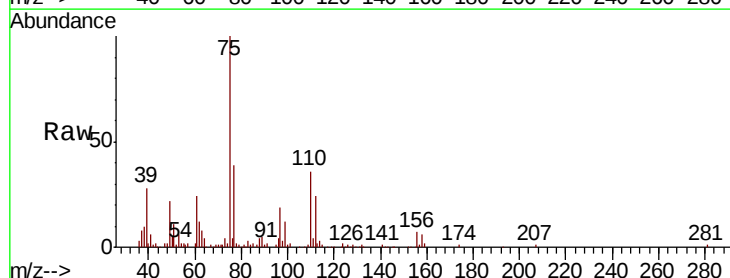
Acq: 28 Jan 2020 17:42

Tgt Ion: 75 Resp: 211918

Ion Ratio Lower Upper

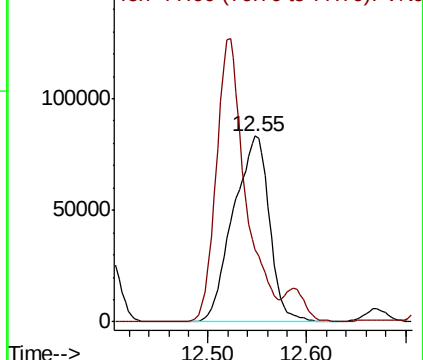
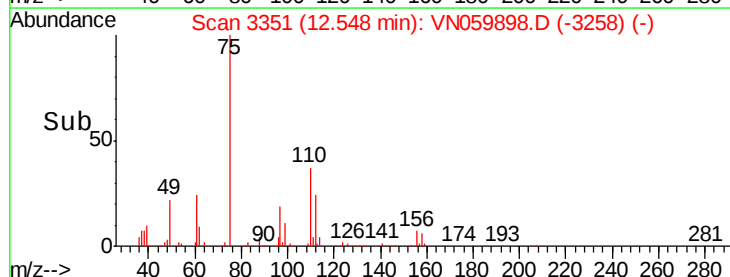
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059898.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059898.D (-3258) (-)





#77

Bromobenzene

Concen: 55.593 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

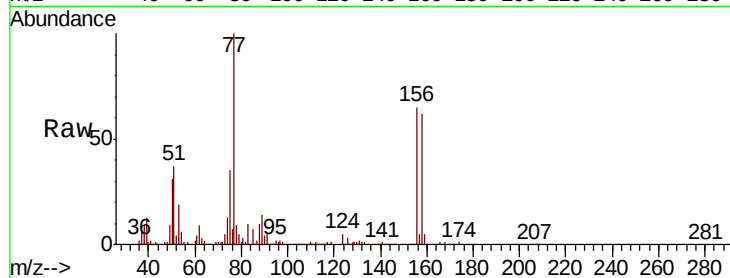
Tot Ion:156 Resp: 146439

Ion Ratio Lower Upper

156 100

77 178.4 115.8 347.4

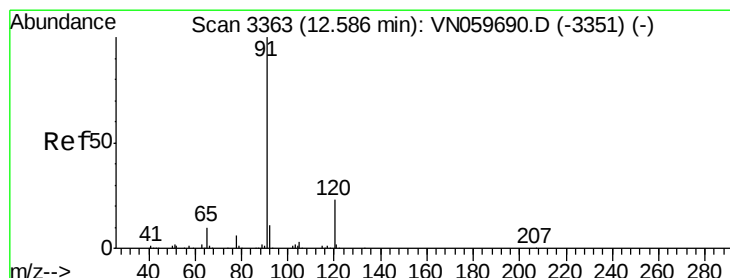
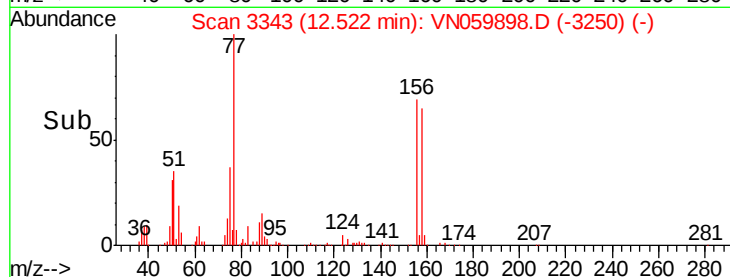
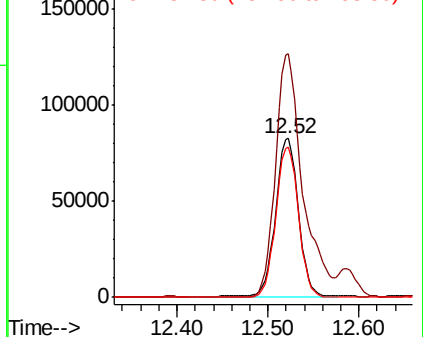
158 92.4 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.721 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059898.D

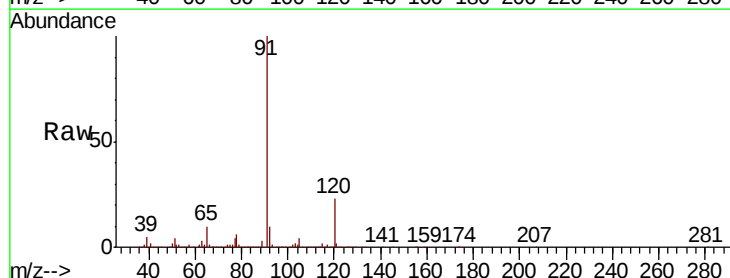
Acq: 28 Jan 2020 17:42

Tgt Ion: 91 Resp: 580494

Ion Ratio Lower Upper

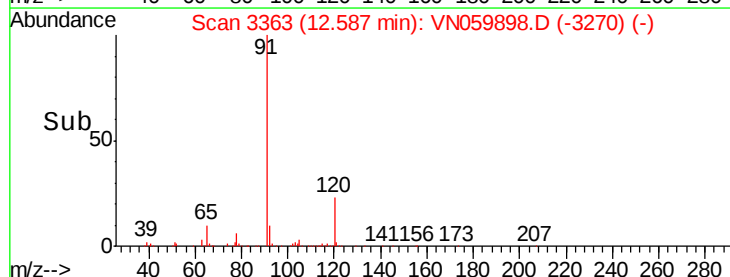
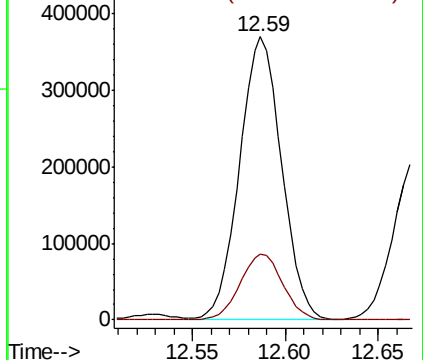
91 100

120 23.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.027 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

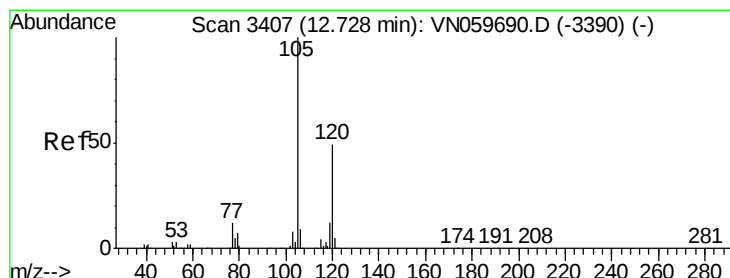
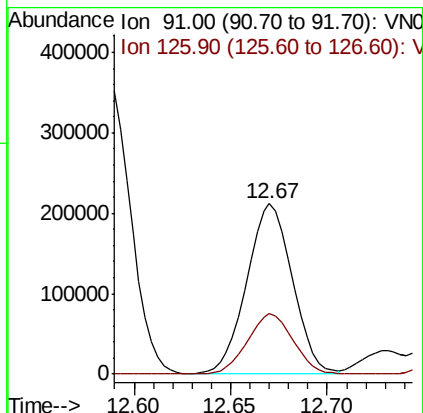
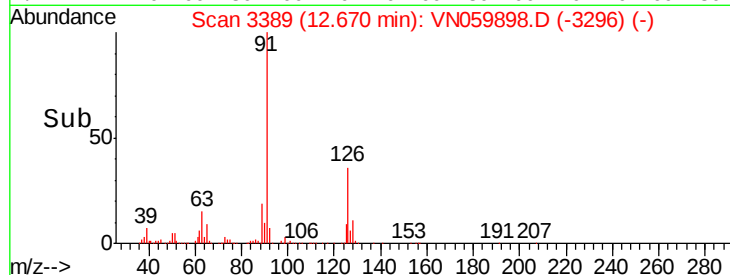
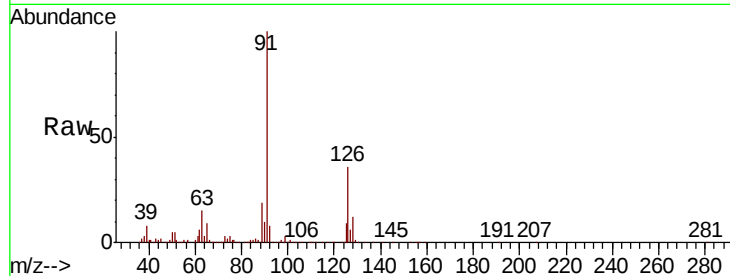
ClientSampled :

Tot Ion: 91 Resp: 347459

Ion Ratio Lower Upper

91 100

126 35.7 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 49.396 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059898.D

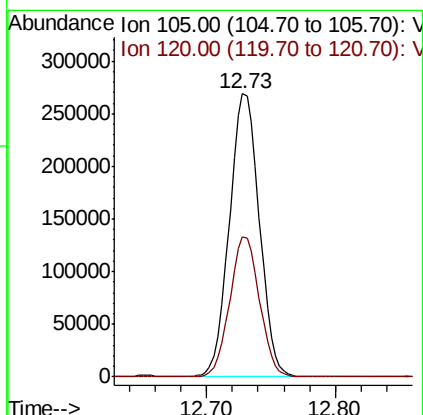
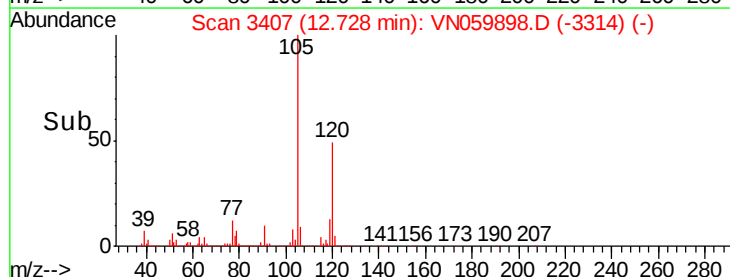
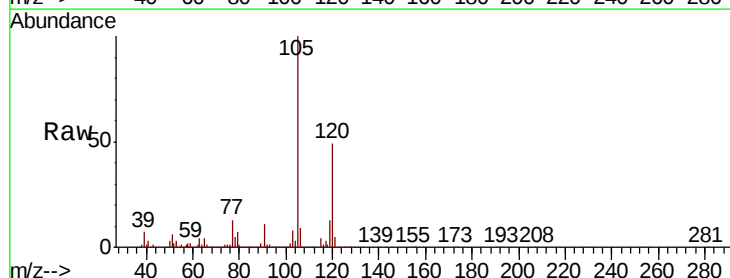
Acq: 28 Jan 2020 17:42

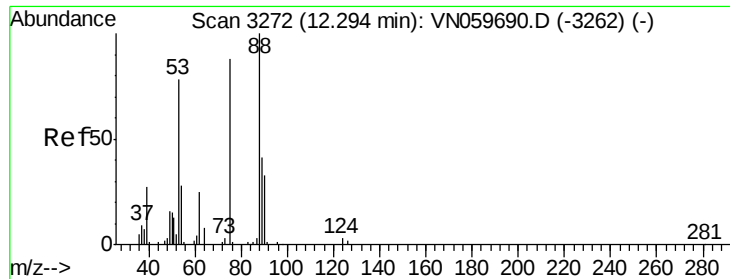
Tgt Ion: 105 Resp: 432105

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.4

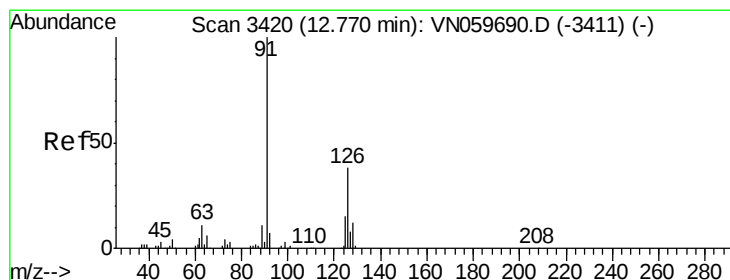
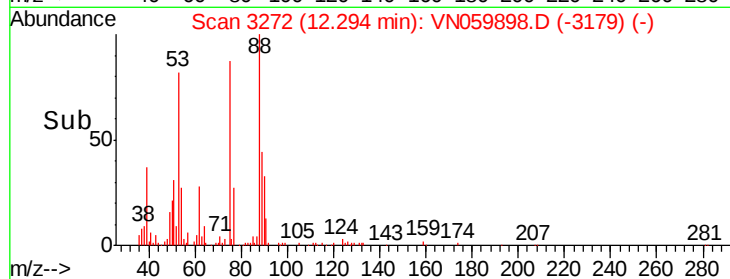
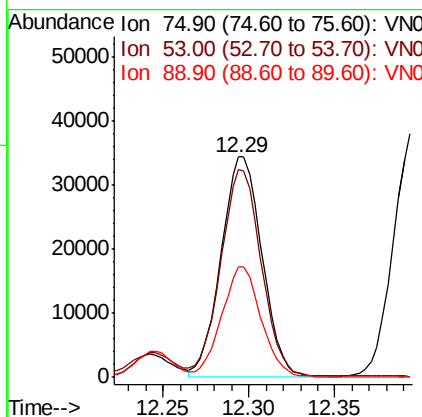
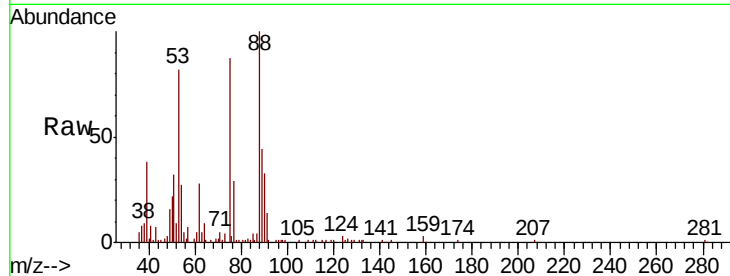




#81
trans-1,4-Dichloro-2-butene
Concen: 51.846 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

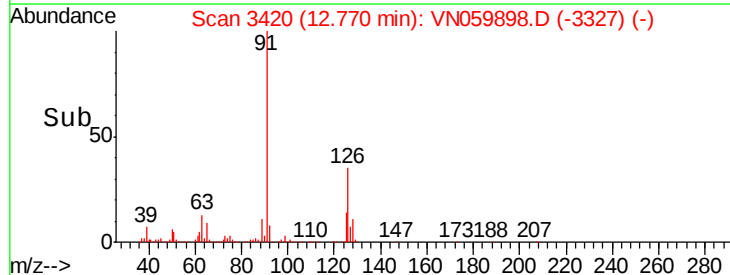
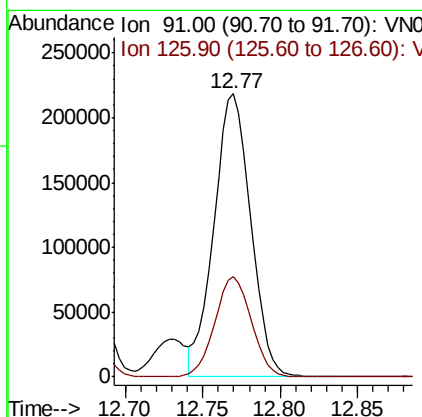
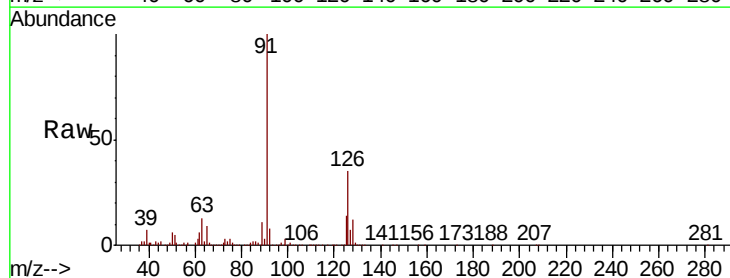
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 57624
Ion Ratio Lower Upper
75 100
53 91.1 78.1 117.1
89 48.5 35.4 53.2



#82
4-Chlorotoluene
Concen: 51.544 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 91 Resp: 359075
Ion Ratio Lower Upper
91 100
126 35.2 16.3 48.8

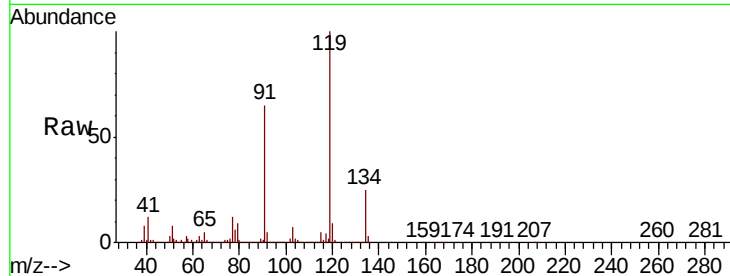




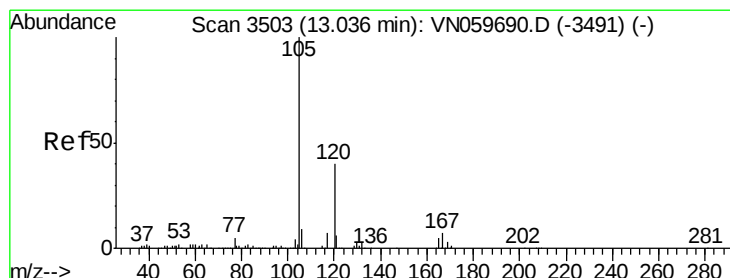
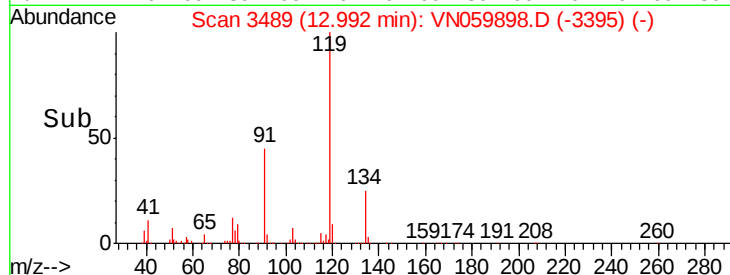
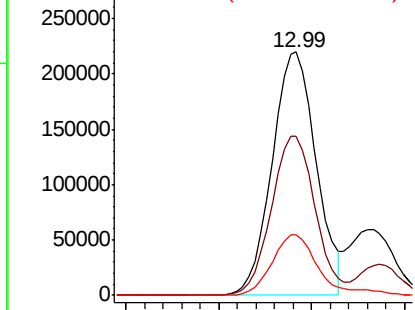
#83
tert-Butylbenzene
Concen: 48.052 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 363554
Ion Ratio Lower Upper
119 100
91 64.5 34.8 104.4
134 26.4 12.3 36.9

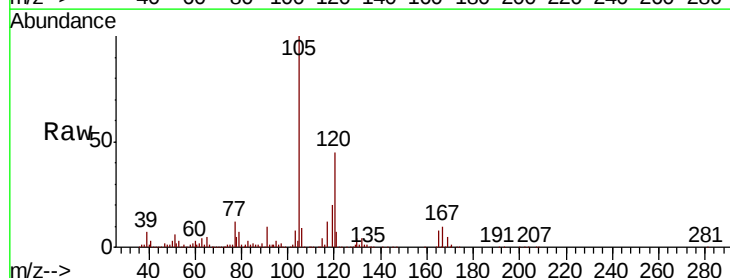


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

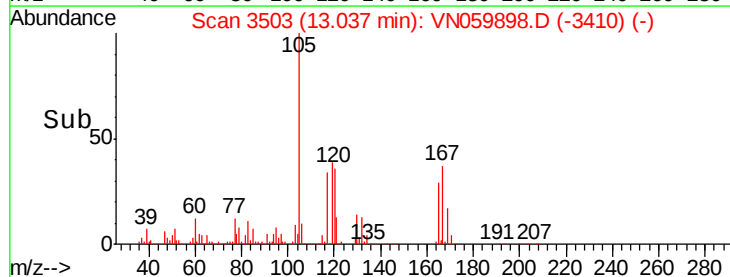
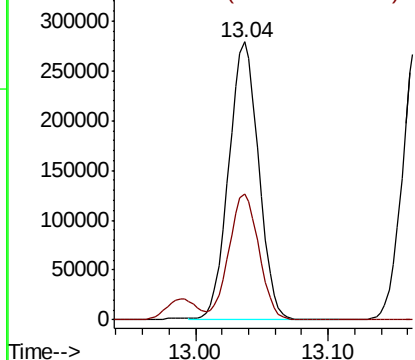


#84
1,2,4-Trimethylbenzene
Concen: 50.450 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion:105 Resp: 436616
Ion Ratio Lower Upper
105 100
120 45.6 22.3 66.9



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





#85

sec-Butylbenzene

Concen: 47.878 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

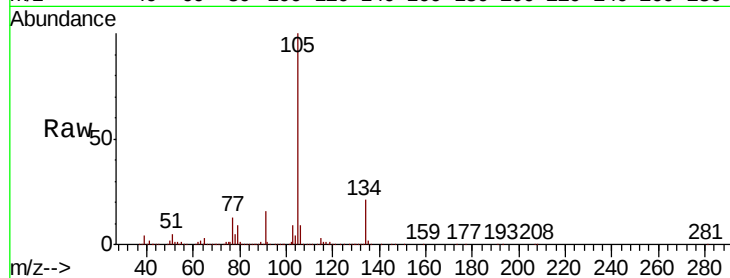
ClientSampleId :

Tot Ion:105 Resp: 475921

Ion Ratio Lower Upper

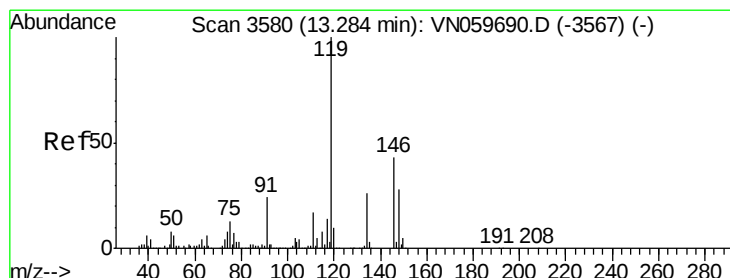
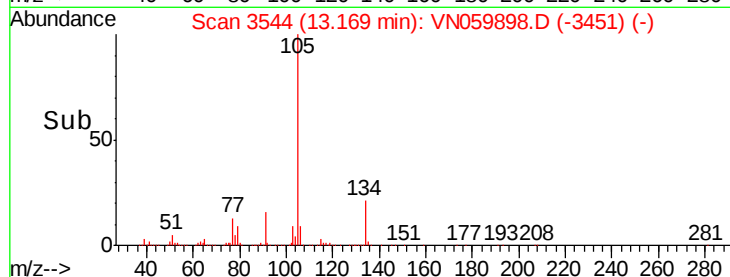
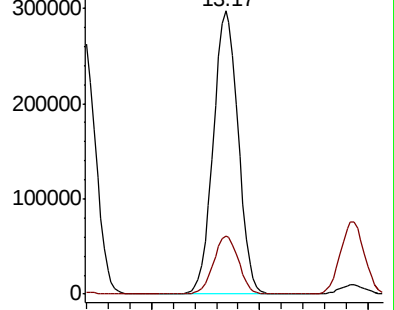
105 100

134 20.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.268 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

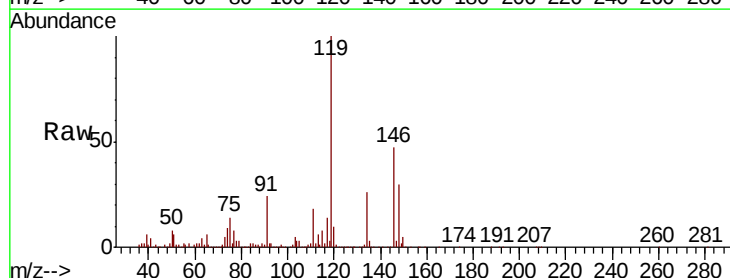
Tgt Ion:119 Resp: 443960

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.7

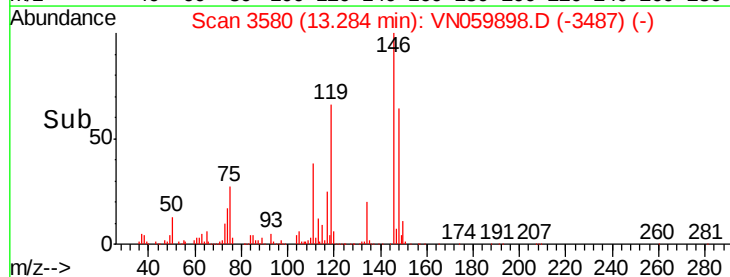
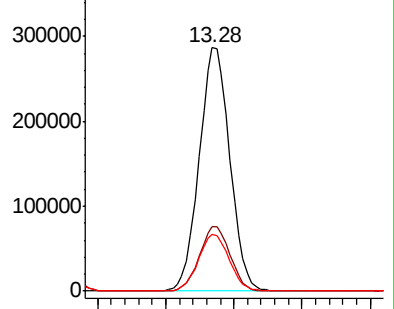
91 23.2 12.4 37.4

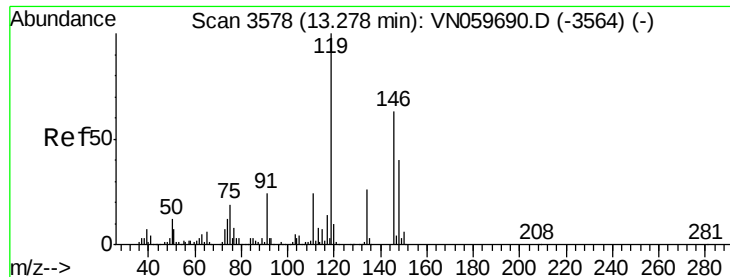


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 53.134 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

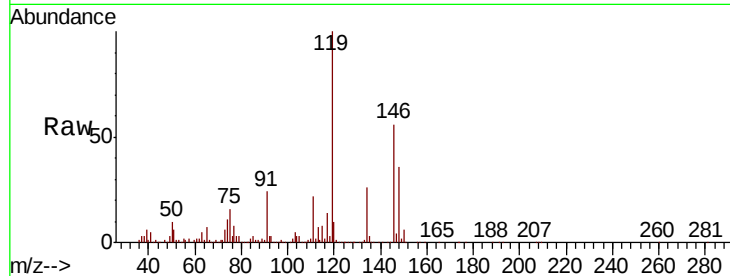
Tot Ion:146 Resp: 243122

Ion Ratio Lower Upper

146 100

111 38.7 20.8 62.2

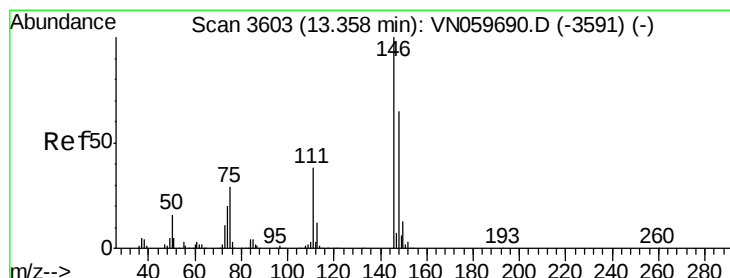
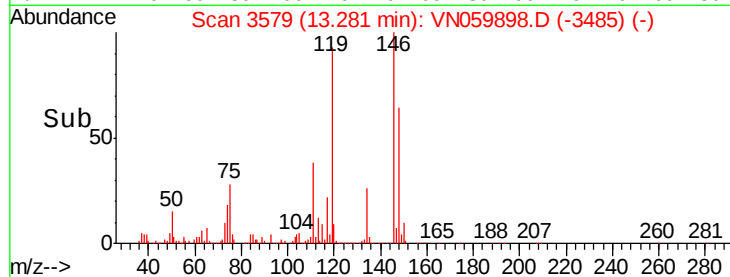
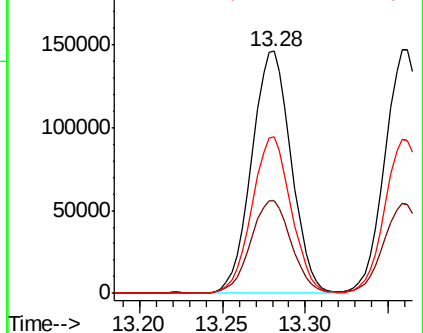
148 64.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 53.104 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

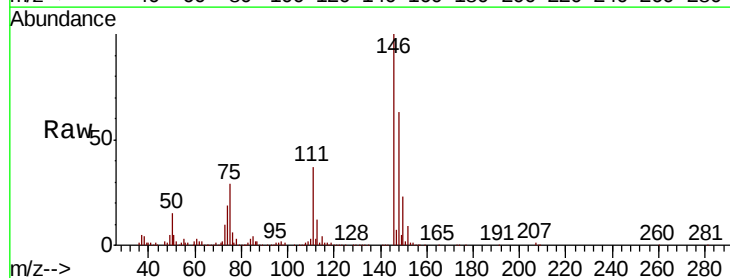
Tgt Ion:146 Resp: 242402

Ion Ratio Lower Upper

146 100

111 37.1 20.8 62.2

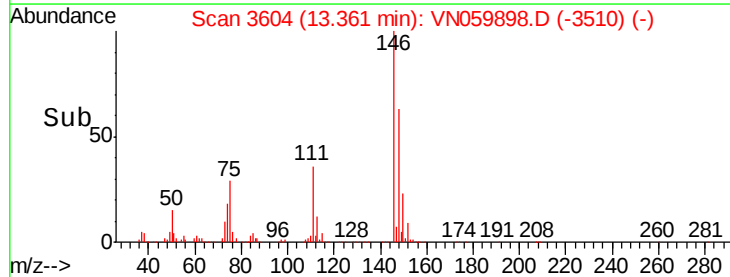
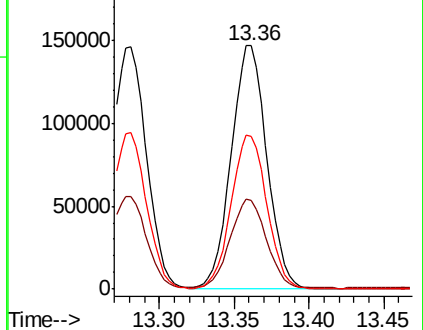
148 63.6 31.8 95.4

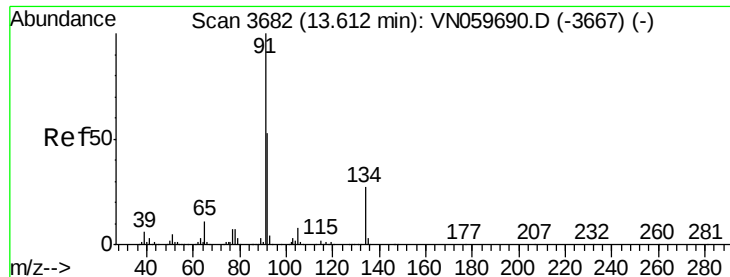


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

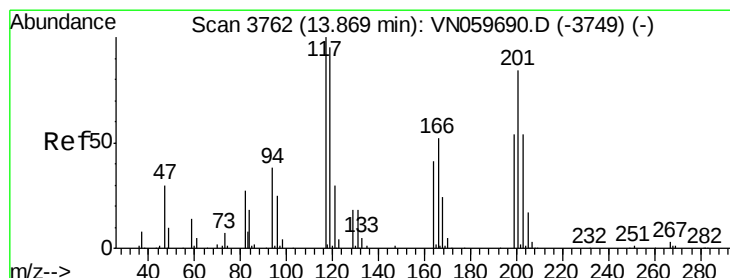
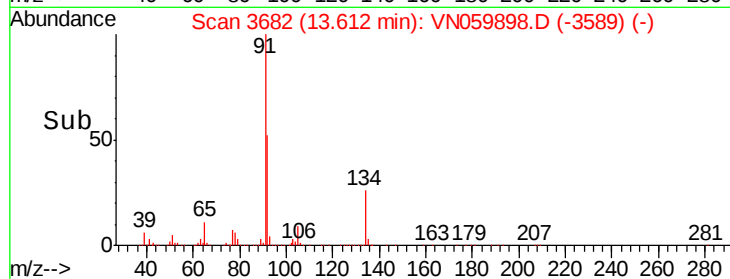
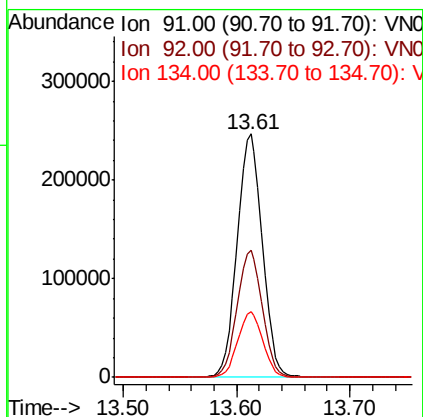
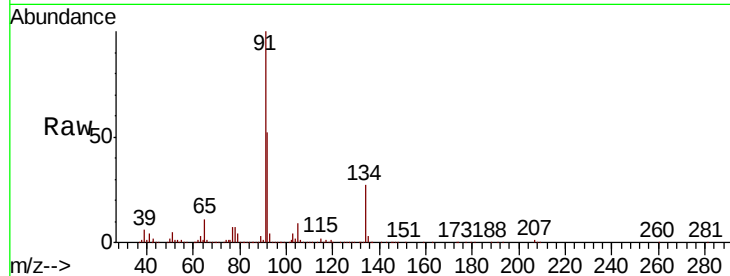




#89
n-Butylbenzene
Concen: 48.641 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

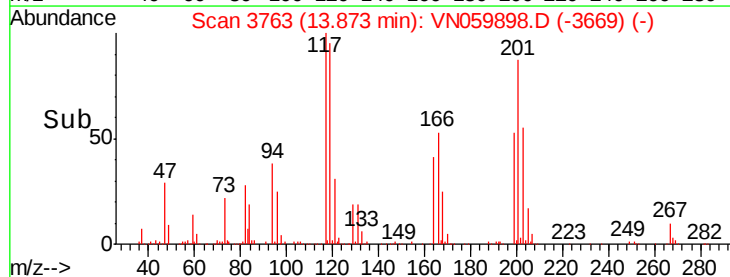
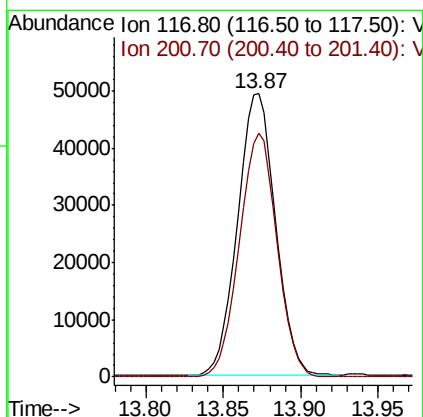
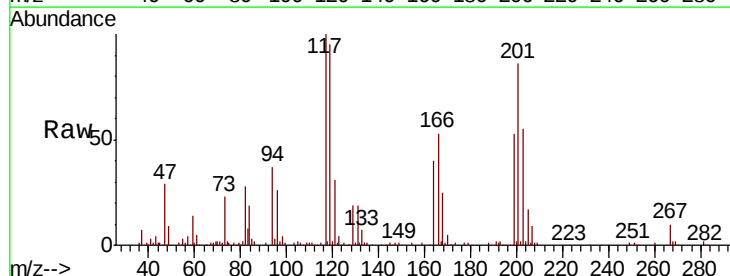
Instrument :
MSVOA_N
ClientSampled :

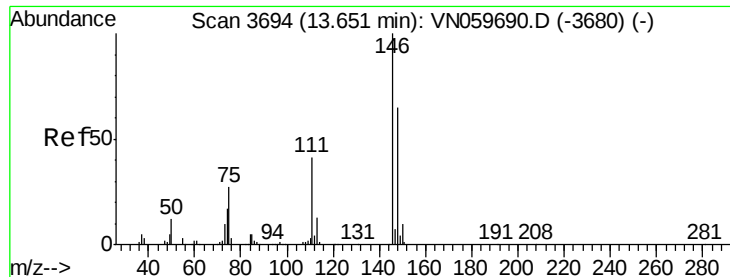
Tot Ion: 91 Resp: 381457
Ion Ratio Lower Upper
91 100
92 52.1 25.9 77.7
134 27.1 12.3 36.8



#90
Hexachloroethane
Concen: 48.921 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 117 Resp: 84188
Ion Ratio Lower Upper
117 100
201 85.6 37.8 113.4





#91

1,2-Dichlorobenzene

Concen: 53.306 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059898.D

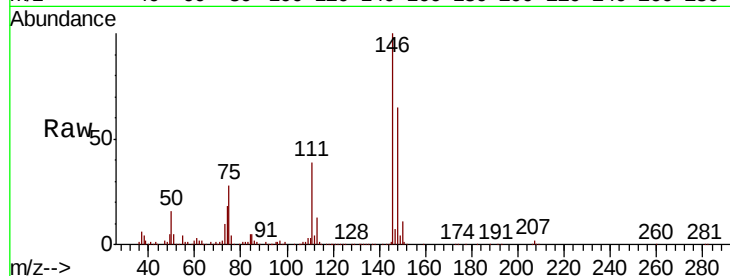
Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

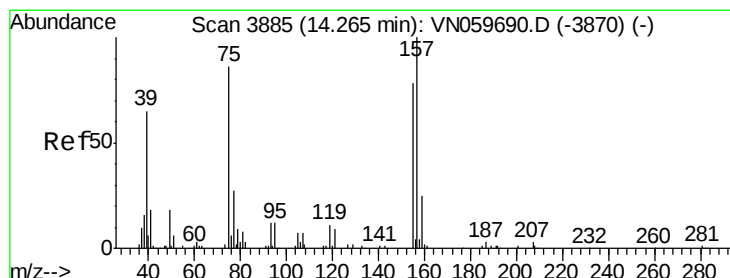
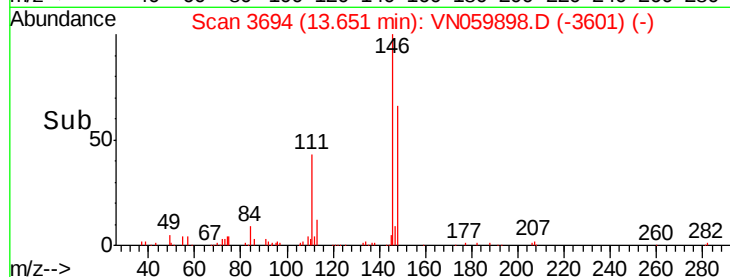
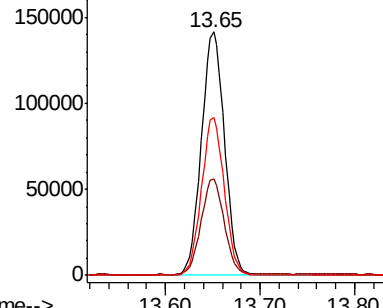
Tot Ion:	146	Resp:	241127
Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.6	64.8
148	63.8	31.6	95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.062 ug/l

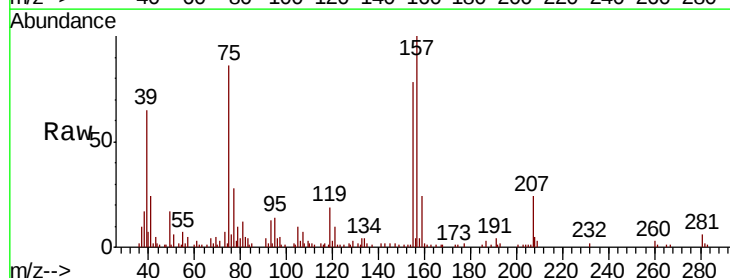
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

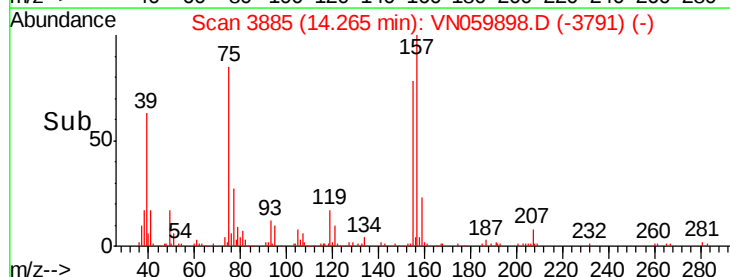
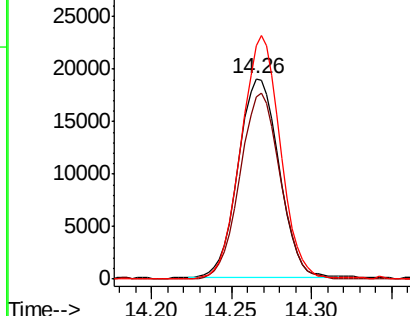
Tgt Ion:	75	Resp:	33020
Ion	Ratio	Lower	Upper
75	100		
155	92.5	37.0	110.9
157	118.1	48.4	145.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

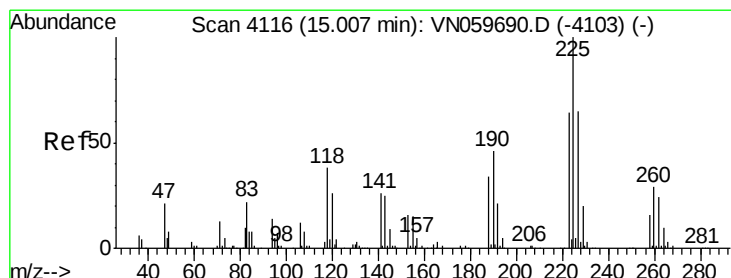
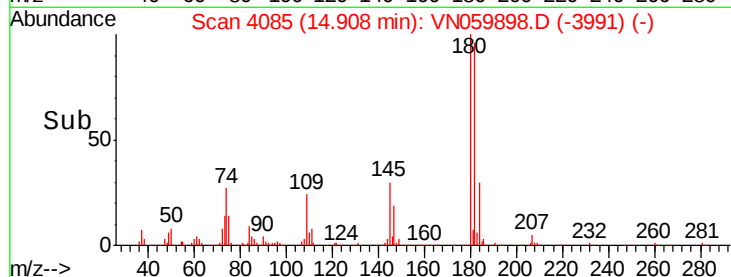
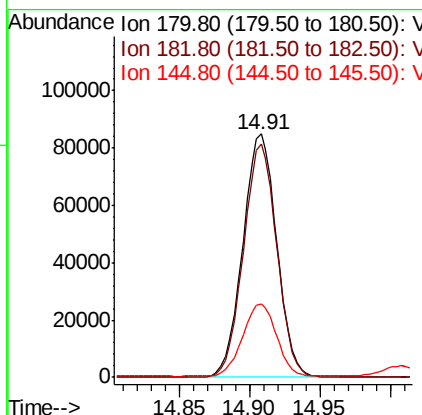
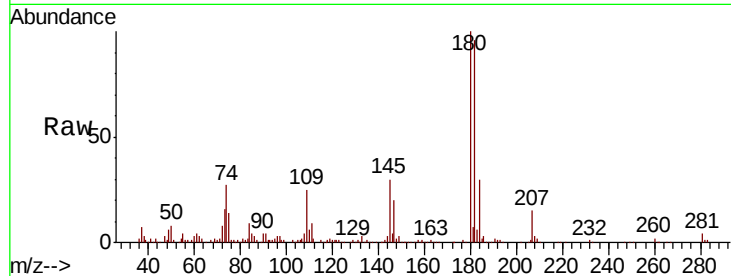




#93
 1,2,4-Trichlorobenzene
 Concen: 52.722 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

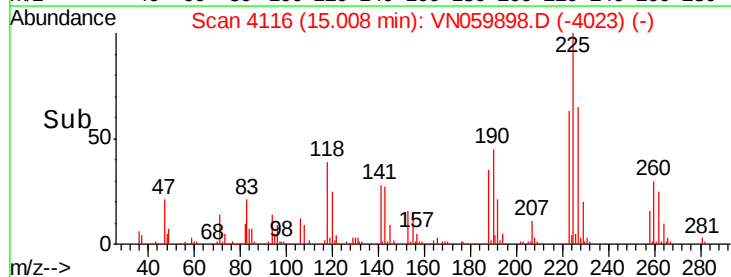
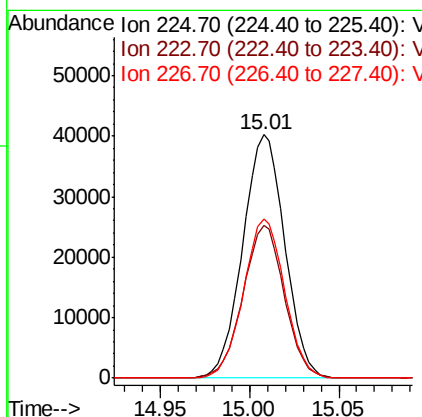
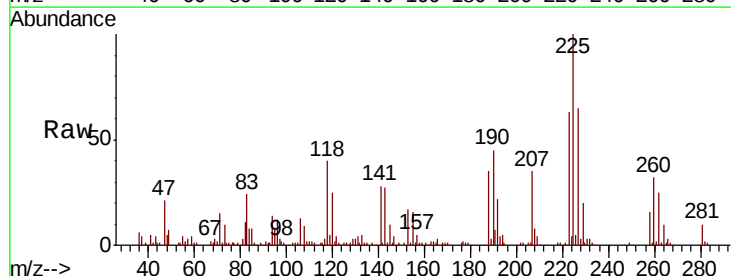
Instrument :
 MSVOA_N
 ClientSampled :

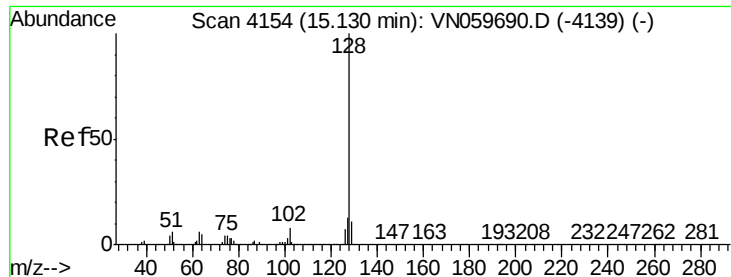
Tot Ion:180 Resp: 143302
 Ion Ratio Lower Upper
 180 100
 182 94.5 46.9 140.7
 145 29.5 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 44.294 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Tgt Ion:225 Resp: 66345
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.8 95.3
 227 64.0 32.1 96.5

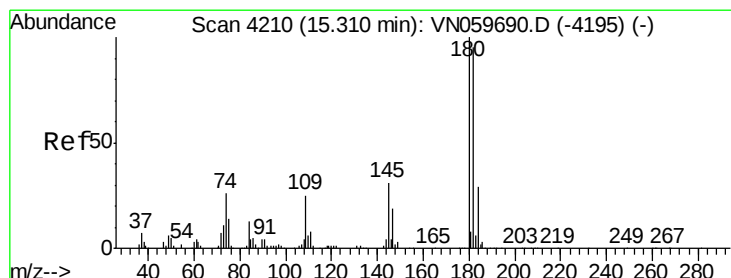
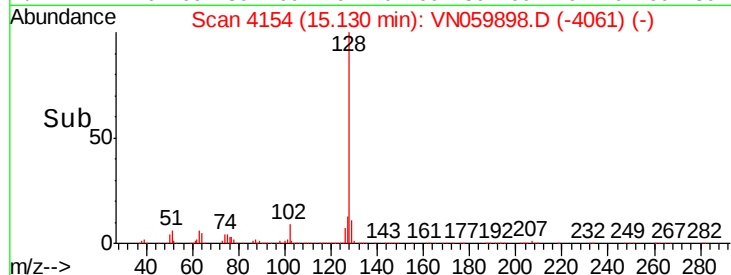
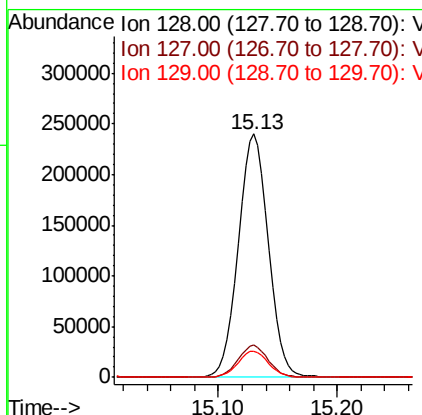
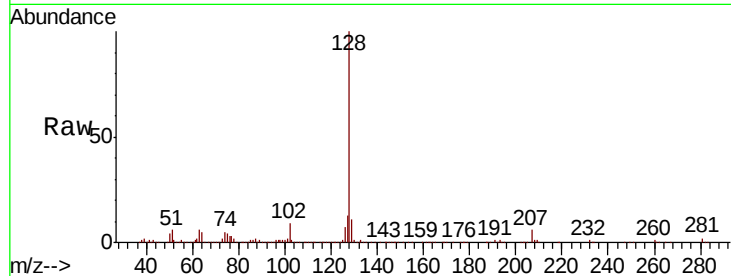




#95
Naphthalene
Concen: 53.952 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 417119
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.011 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion:180 Resp: 137605
Ion Ratio Lower Upper
180 100
182 95.1 47.4 142.3
145 31.4 16.3 48.9

