

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061558.D
 Acq On : 29 May 2020 11:35
 Operator : JC/MD
 Sample : VN0529WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 04:40:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	350831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	600134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	565498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	274284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	224199	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
35) Dibromofluoromethane	7.54	113	170751	56.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.18%	
50) Toluene-d8	10.06	98	738742	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.37	95	266954	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	83134	21.200	ug/l	100
3) Chloromethane	2.03	50	92827	21.694	ug/l	99
4) Vinyl Chloride	2.16	62	127117	21.678	ug/l	97
5) Bromomethane	2.54	94	77499	23.033	ug/l	100
6) Chloroethane	2.67	64	80094	21.221	ug/l	99
7) Trichlorofluoromethane	2.98	101	167192	22.111	ug/l	99
8) Diethyl Ether	3.37	74	46204	19.983	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	71684	21.363	ug/l	97
10) Methyl Iodide	3.91	142	93054	19.977	ug/l	99
11) Tert butyl alcohol	4.73	59	65427	117.679	ug/l #	88
12) 1,1-Dichloroethene	3.69	96	71259	19.878	ug/l	96
13) Acrolein	3.57	56	16365	80.877	ug/l	100
14) Allyl chloride	4.27	41	96141	20.514	ug/l	99
15) Acrylonitrile	4.92	53	158233	101.964	ug/l	100
16) Acetone	3.77	43	125792	105.615	ug/l	100
17) Carbon Disulfide	4.00	76	167613	21.252	ug/l	97
18) Methyl Acetate	4.27	43	74060	19.572	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	247358	20.246	ug/l	97
20) Methylene Chloride	4.50	84	78905	19.715	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	80973	20.029	ug/l	94
22) Diisopropyl ether	5.90	45	214036	20.721	ug/l	97
23) Vinyl Acetate	5.84	43	830770	100.908	ug/l	99
24) 1,1-Dichloroethane	5.79	63	134342	20.510	ug/l	99
25) 2-Butanone	6.78	43	200553	101.239	ug/l	100
26) 2,2-Dichloropropane	6.77	77	129905	21.668	ug/l	98
27) cis-1,2-Dichloroethene	6.77	96	93620	20.450	ug/l	96
28) Bromochloromethane	7.15	49	56598	22.242	ug/l	96
29) Tetrahydrofuran	7.16	42	130987	100.273	ug/l	99
30) Chloroform	7.33	83	150873	20.820	ug/l	98
31) Cyclohexane	7.61	56	121306	20.592	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	135980	20.593	ug/l	98
36) 1,1-Dichloropropene	7.75	75	109551	20.620	ug/l	99
37) Ethyl Acetate	6.88	43	85711	20.030	ug/l	99
38) Carbon Tetrachloride	7.73	117	104969	20.484	ug/l	99

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Quant Time: May 30 04:40:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	136651	20.868	ug/l	99
40) Benzene	8.00	78	333022	20.316	ug/l	100
41) Methacrylonitrile	7.12	41	42107	21.478	ug/l #	81
42) 1,2-Dichloroethane	8.08	62	113121	20.613	ug/l	98
43) Isopropyl Acetate	8.12	43	151117	19.629	ug/l	99
44) Trichloroethene	8.80	130	100650	19.979	ug/l	100
45) 1,2-Dichloropropane	9.08	63	78783	20.240	ug/l	99
46) Dibromomethane	9.17	93	59414	19.902	ug/l	96
47) Bromodichloromethane	9.37	83	118284	19.999	ug/l	97
48) Methyl methacrylate	9.17	41	64327	18.572	ug/l	98
49) 1,4-Dioxane	9.16	88	29429	548.452	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	427419	98.522	ug/l	99
52) Toluene	10.12	92	219450	20.511	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	130261	20.444	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	136105	19.867	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	86613	20.320	ug/l	97
56) Ethyl methacrylate	10.40	69	117494	19.732	ug/l	99
57) 1,3-Dichloropropane	10.68	76	139003	20.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	260062	102.203	ug/l	99
59) 2-Hexanone	10.72	43	304264	97.656	ug/l	100
60) Dibromochloromethane	10.87	129	97730	20.167	ug/l	98
61) 1,2-Dibromoethane	10.98	107	88994	20.018	ug/l	99
64) Tetrachloroethene	10.60	164	105589	19.836	ug/l	97
65) Chlorobenzene	11.40	112	236286	20.102	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	87680	20.033	ug/l	99
67) Ethyl Benzene	11.48	91	415229	20.438	ug/l	99
68) m/p-Xylenes	11.59	106	329062	40.849	ug/l	100
69) o-Xylene	11.92	106	153415	20.051	ug/l	97
70) Styrene	11.94	104	256791	20.266	ug/l	99
71) Bromoform	12.10	173	62289	18.469	ug/l #	97
73) Isopropylbenzene	12.22	105	416617	20.811	ug/l	99
74) N-amyl acetate	12.04	43	124693	19.778	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	110290	19.660	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	144111	28.894	ug/l #	100
77) Bromobenzene	12.50	156	101645	19.891	ug/l	96
78) n-propylbenzene	12.56	91	467216	20.906	ug/l	98
79) 2-Chlorotoluene	12.65	91	267548	20.077	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	346291	20.696	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	37992	19.480	ug/l	99
82) 4-Chlorotoluene	12.75	91	281771	20.099	ug/l	99
83) tert-Butylbenzene	12.97	119	301331	20.383	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	349369	21.018	ug/l	100
85) sec-Butylbenzene	13.15	105	397916	20.888	ug/l	98
86) p-Isopropyltoluene	13.26	119	367341	20.939	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	181367	20.043	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	179243	19.444	ug/l	97
89) n-Butylbenzene	13.59	91	309123	21.037	ug/l	98
90) Hexachloroethane	13.85	117	42618	21.966	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	173623	20.078	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20590	17.996	ug/l	98

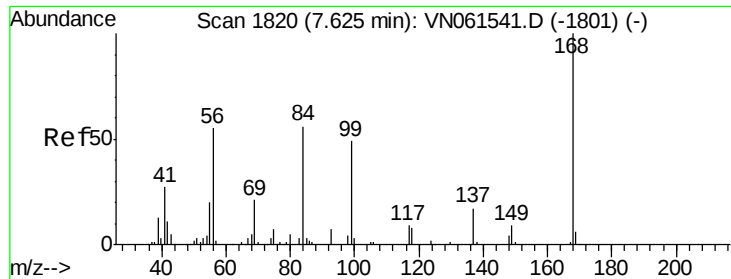
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	97012	19.182	ug/l	99
94) Hexachlorobutadiene	14.98	225	43445	20.142	ug/l	97
95) Naphthalene	15.10	128	287531	18.679	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	95650	19.236	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

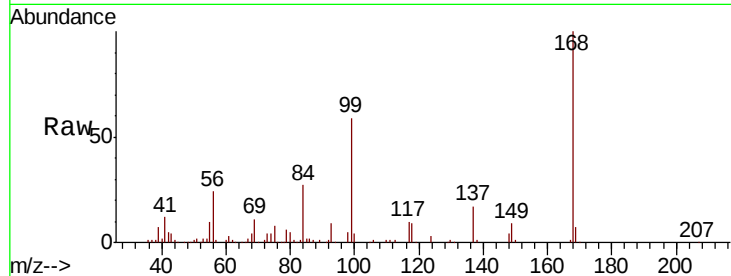
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 350831

Ion Ratio Lower Upper

168 100

99 58.7 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

150000

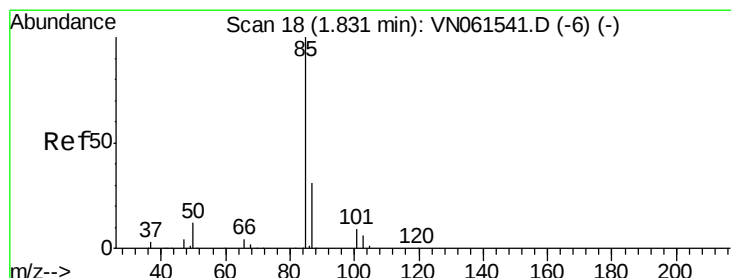
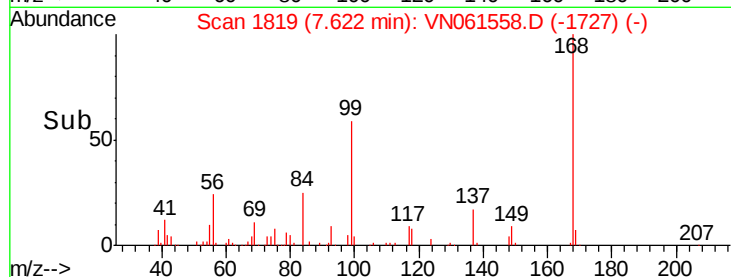
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.200 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061558.D

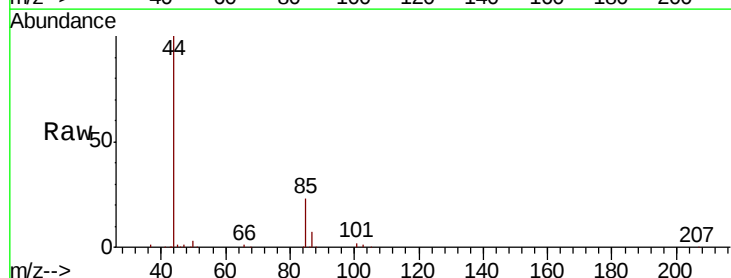
Acq: 29 May 2020 11:35

Tgt Ion: 85 Resp: 83134

Ion Ratio Lower Upper

85 100

87 31.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

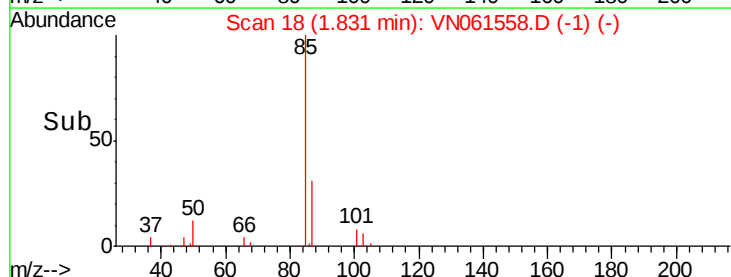
40000

20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.694 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

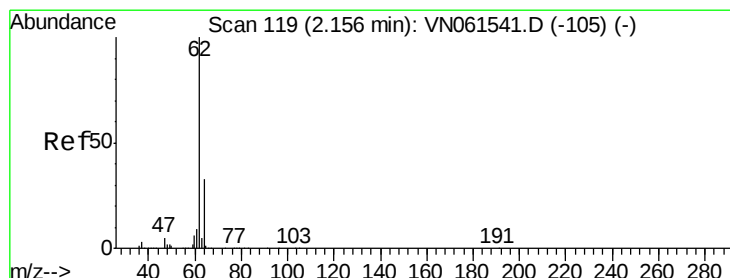
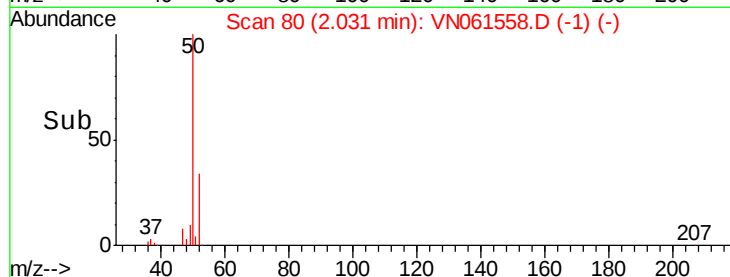
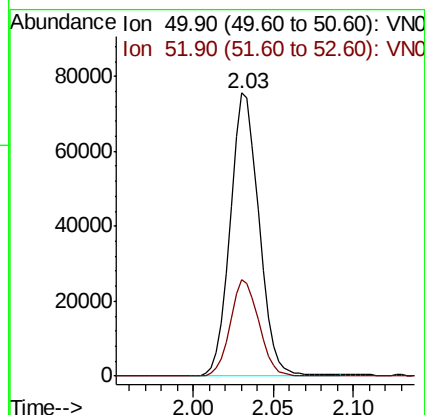
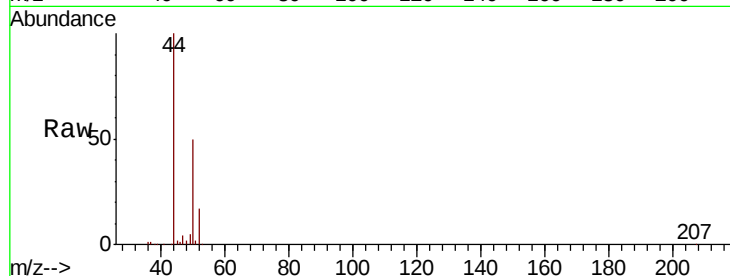
ClientSampleId :

Tot Ion: 50 Resp: 92827

Ion Ratio Lower Upper

50 100

52 33.9 26.7 40.1



#4

Vinyl Chloride

Concen: 21.678 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061558.D

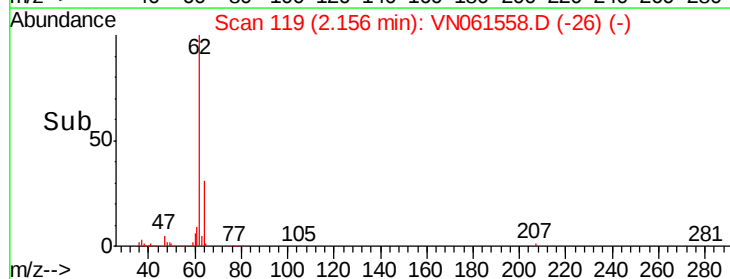
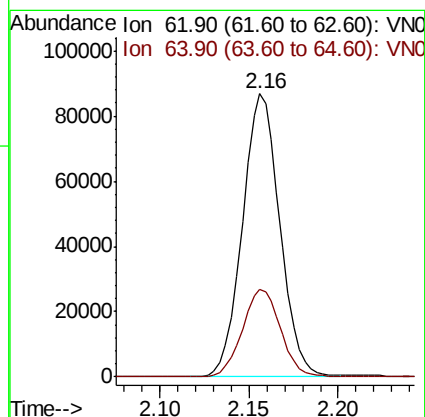
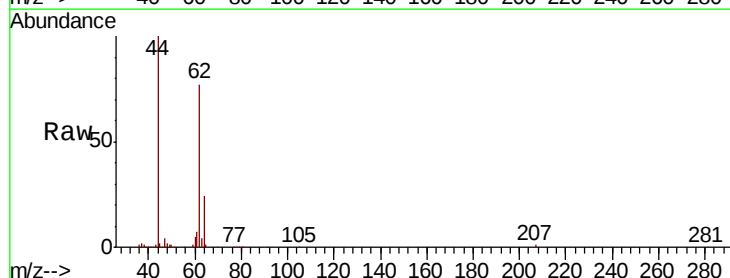
Acq: 29 May 2020 11:35

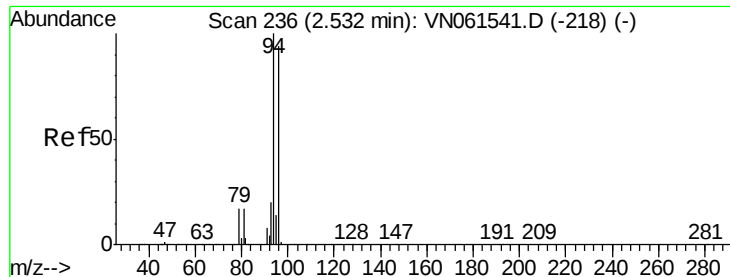
Tgt Ion: 62 Resp: 127117

Ion Ratio Lower Upper

62 100

64 30.8 26.2 39.2





#5

Bromomethane

Concen: 23.033 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

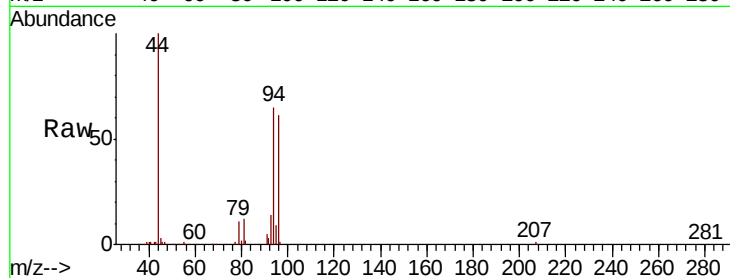
ClientSampleId :

Tot Ion: 94 Resp: 77499

Ion Ratio Lower Upper

94 100

96 93.5 74.8 112.2

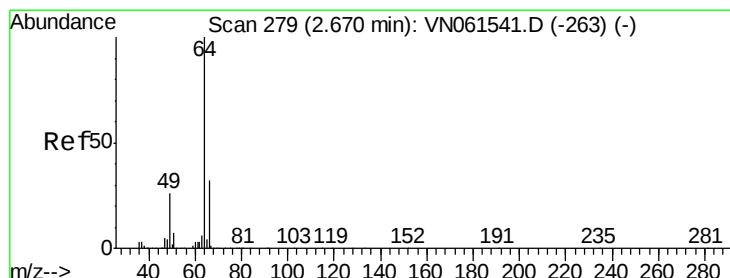
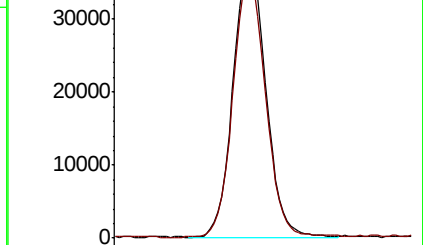
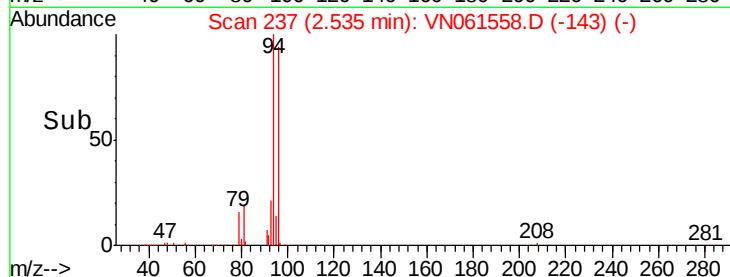


Abundance Ion 93.90 (93.60 to 94.60): VN061558.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VN061558.D (-143) (-)

2.54

Time-->



#6

Chloroethane

Concen: 21.221 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061558.D

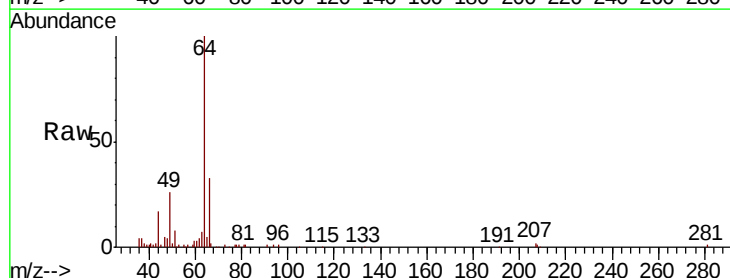
Acq: 29 May 2020 11:35

Tgt Ion: 64 Resp: 80094

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4

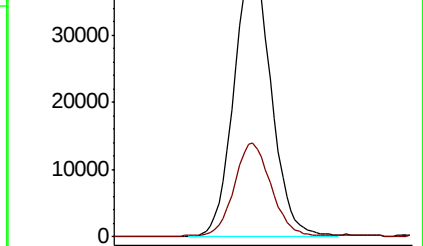
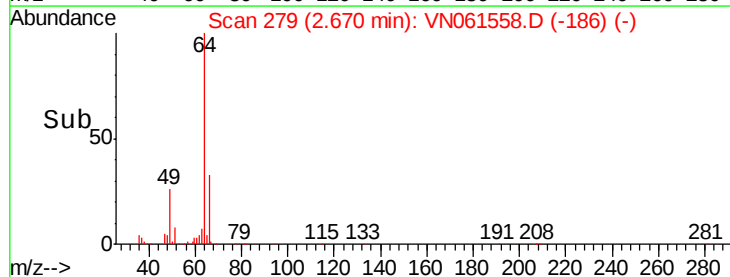


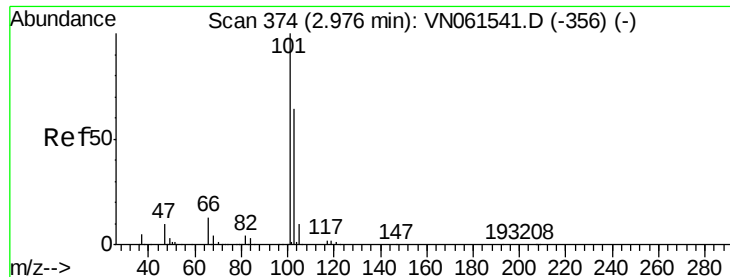
Abundance Ion 63.90 (63.60 to 64.60): VN061558.D (-186) (-)

Ion 65.90 (65.60 to 66.60): VN061558.D (-186) (-)

2.67

Time-->



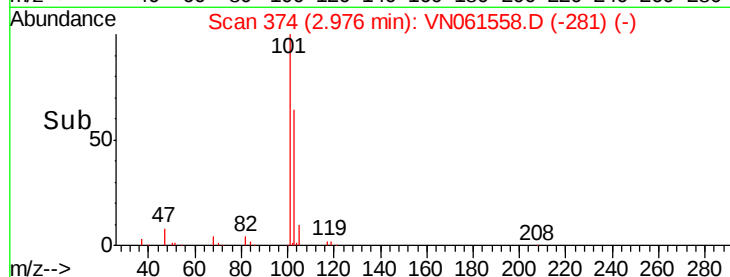
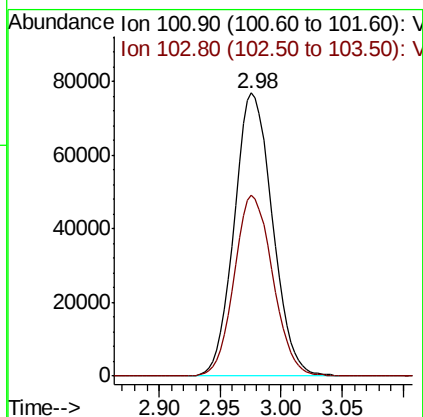
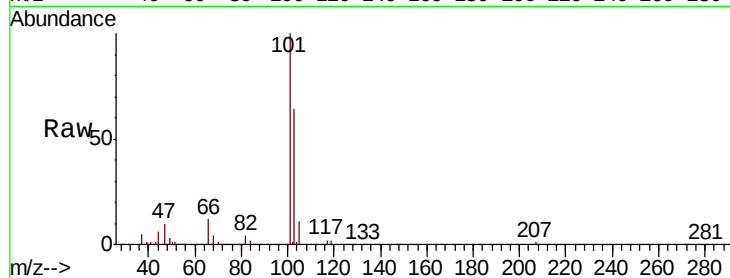


#7

Trichlorofluoromethane
 Concen: 22.111 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Instrument :
 MSVOA_N
 ClientSampled :

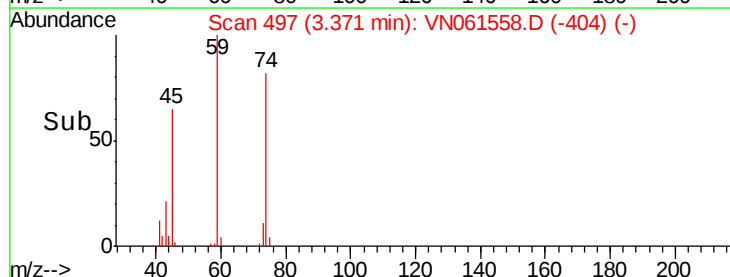
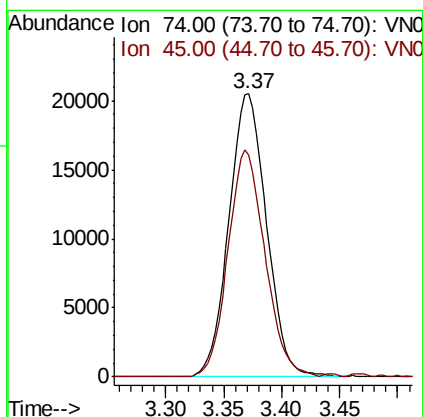
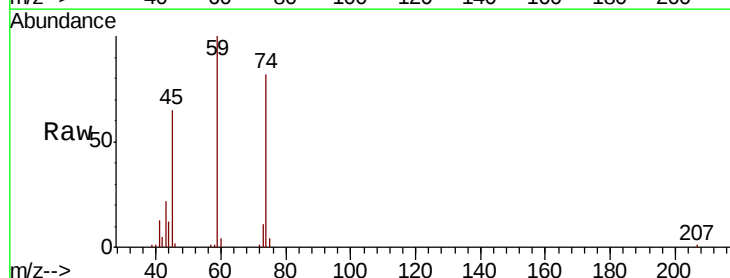
Tot Ion:101 Resp: 167192
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.4 77.2

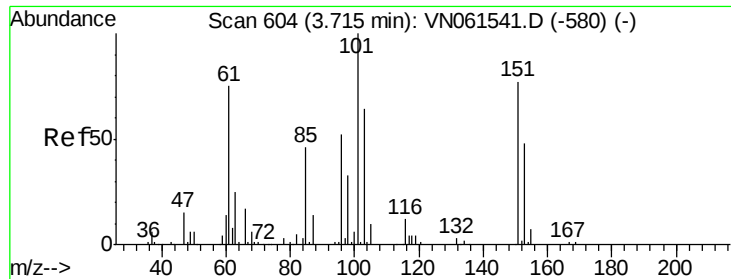


#8

Diethyl Ether
 Concen: 19.983 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion: 74 Resp: 46204
 Ion Ratio Lower Upper
 74 100
 45 78.8 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.363 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

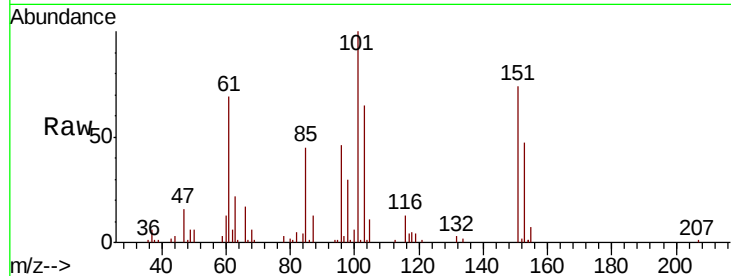
Tot Ion:101 Resp: 71684

Ion Ratio Lower Upper

101 100

85 43.7 35.2 52.8

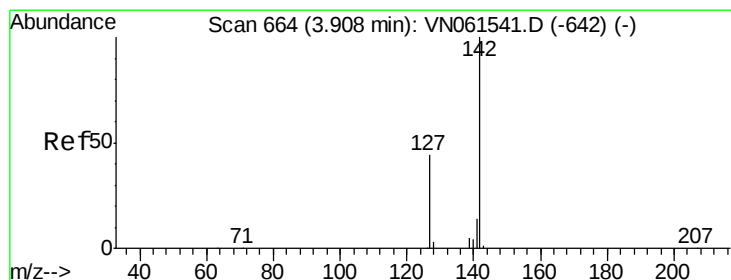
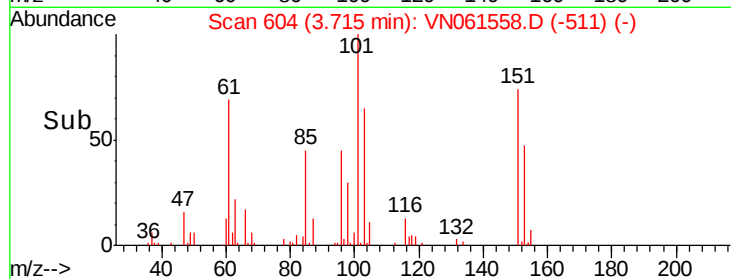
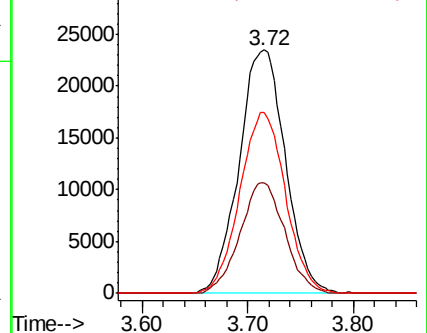
151 73.1 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.977 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

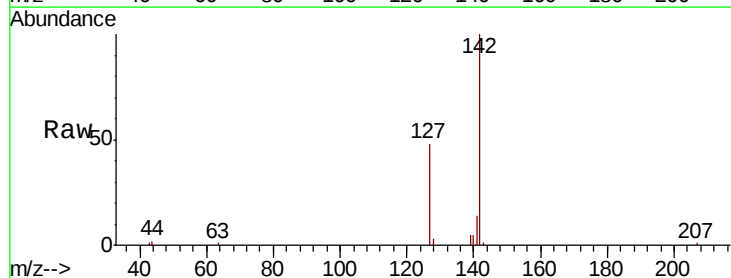
Tgt Ion:142 Resp: 93054

Ion Ratio Lower Upper

142 100

127 45.4 35.5 53.3

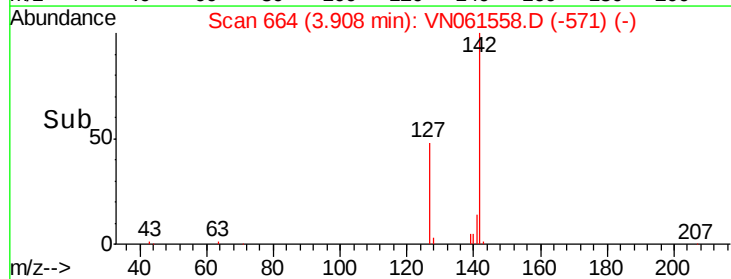
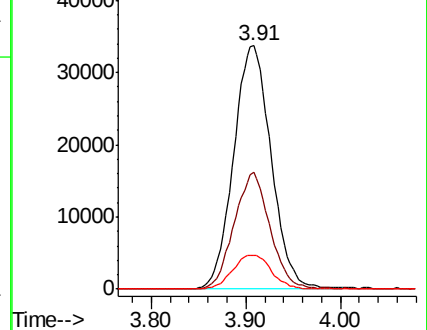
141 14.3 11.5 17.3

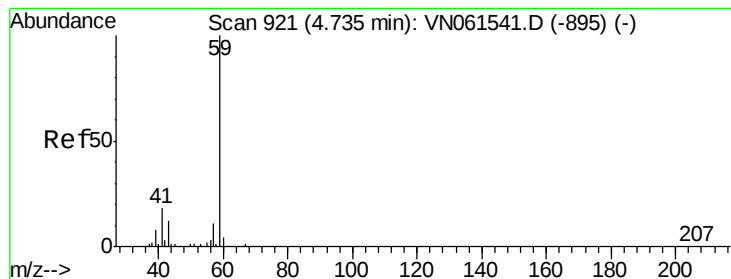


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



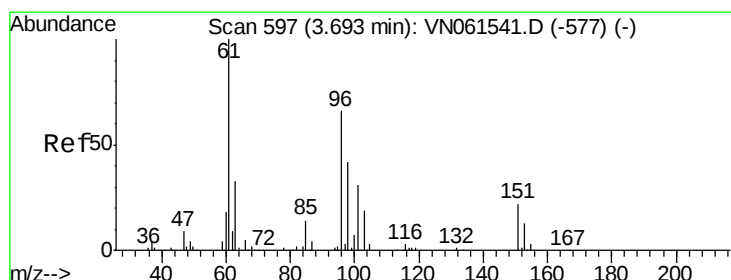
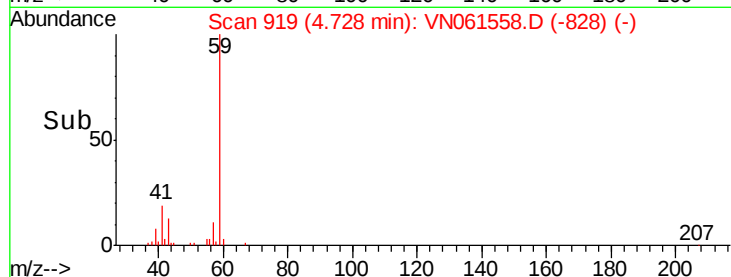
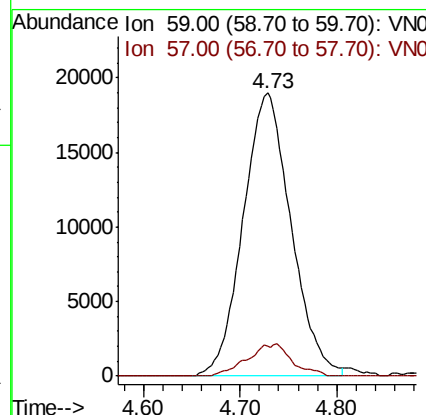
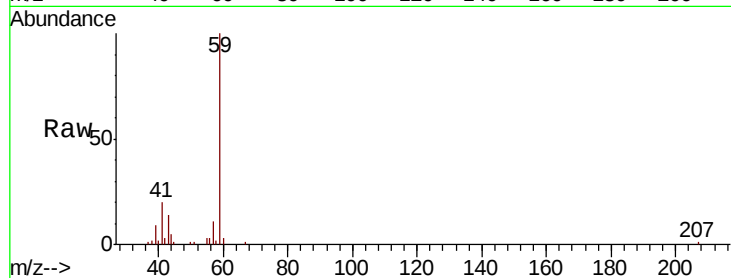


#11

Tert butyl alcohol
 Concen: 117.679 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Instrument :
 MSVOA_N
 ClientSampled :

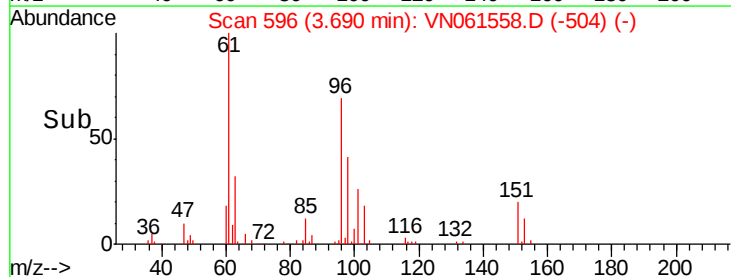
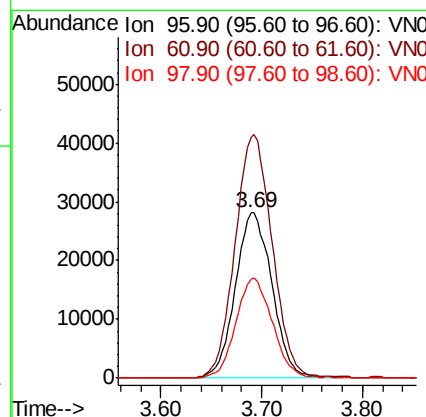
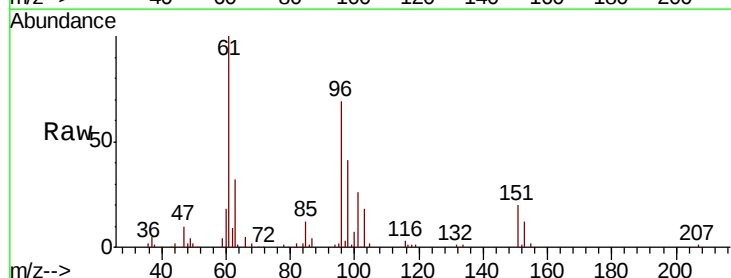
Tot Ion: 59 Resp: 65427
 Ion Ratio Lower Upper
 59 100
 57 5.8 8.4 12.6#

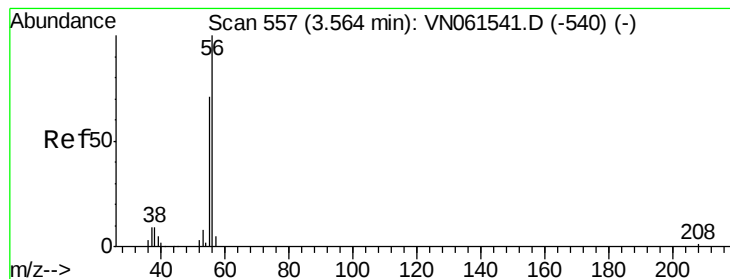


#12

1,1-Dichloroethene
 Concen: 19.878 ug/l
 RT: 3.69 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion: 96 Resp: 71259
 Ion Ratio Lower Upper
 96 100
 61 145.3 120.5 180.7
 98 60.1 50.8 76.2





#13

Acrolein

Concen: 80.877 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

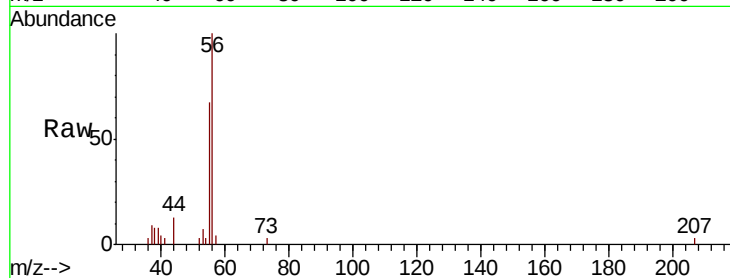
ClientSampleId :

Tot Ion: 56 Resp: 16365

Ion Ratio Lower Upper

56 100

55 72.6 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN061558.D (-464) (-)

Ion 55.00 (54.70 to 55.70): VN061558.D (-464) (-)

3.57

6000

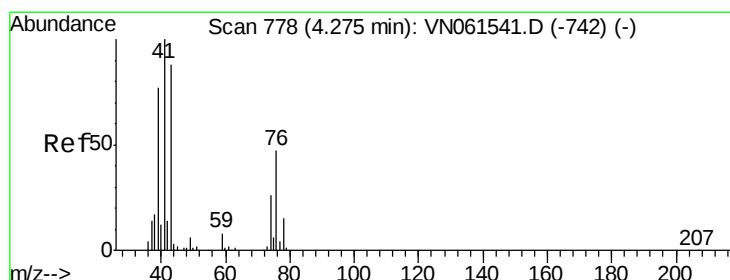
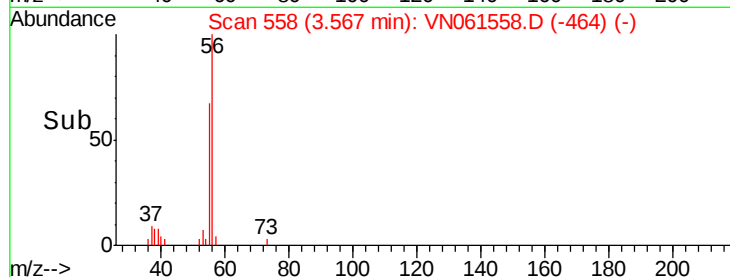
4000

2000

0

3.50 3.55 3.60 3.65

Time-->



#14

Allyl chloride

Concen: 20.514 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

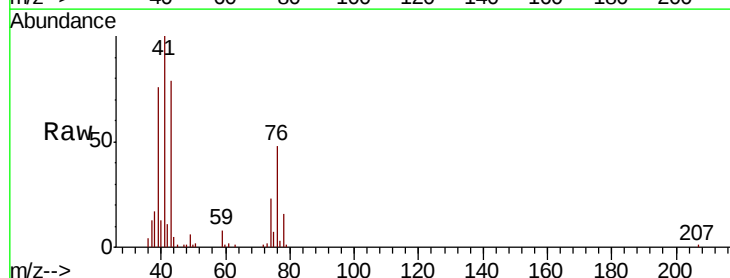
Tgt Ion: 41 Resp: 96141

Ion Ratio Lower Upper

41 100

39 73.8 58.6 88.0

76 44.2 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN061558.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN061558.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061558.D (-685) (-)

4.27

40000

30000

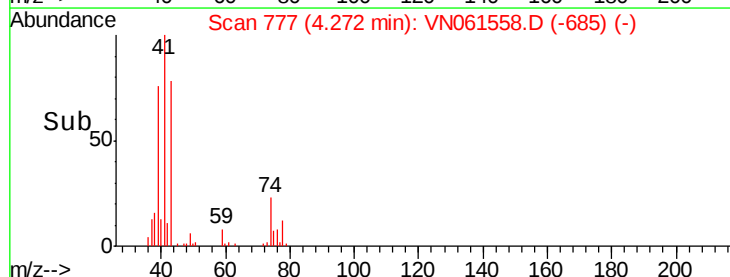
20000

10000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 101.964 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

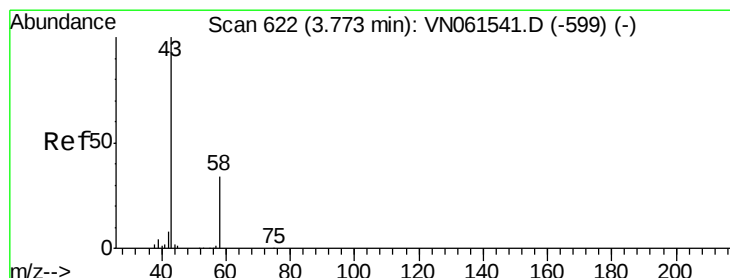
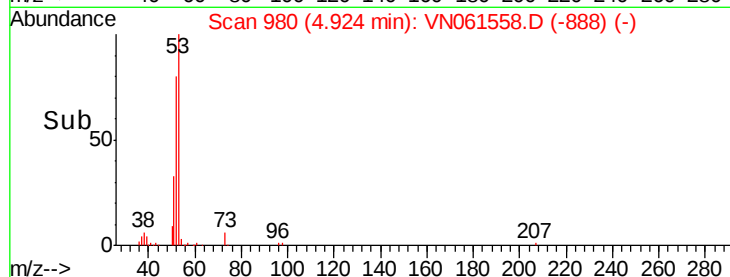
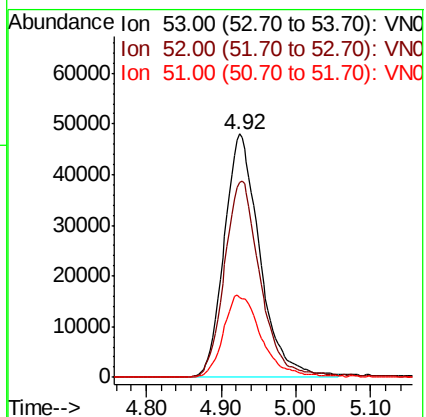
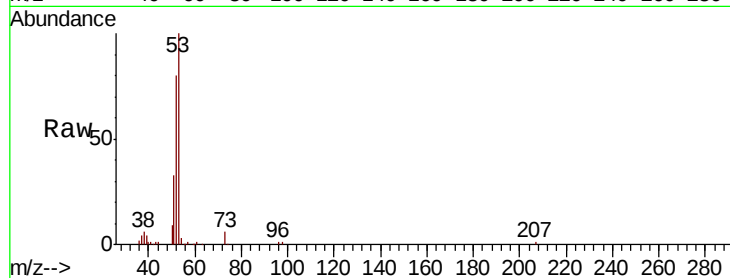
Tot Ion: 53 Resp: 158233

Ion Ratio Lower Upper

53 100

52 81.4 65.4 98.2

51 36.2 29.0 43.6



#16

Acetone

Concen: 105.615 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061558.D

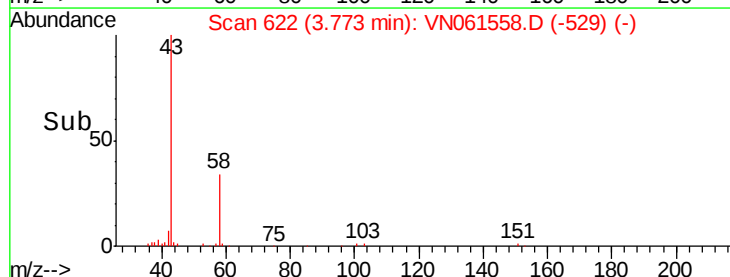
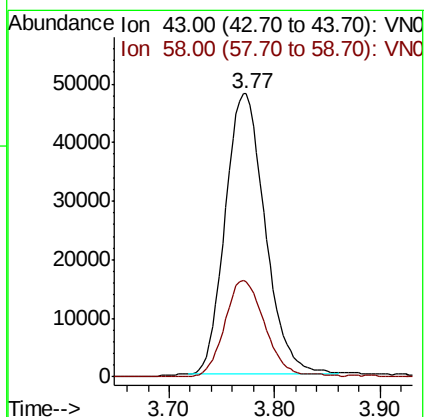
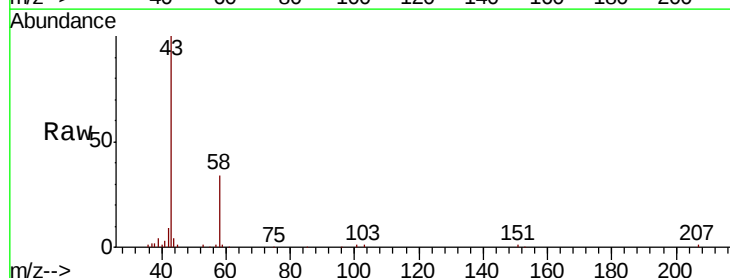
Acq: 29 May 2020 11:35

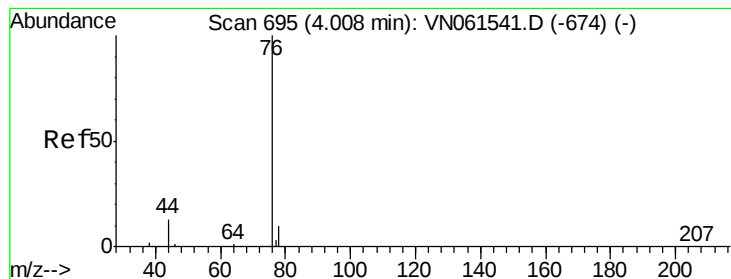
Tgt Ion: 43 Resp: 125792

Ion Ratio Lower Upper

43 100

58 34.0 27.2 40.8





#17

Carbon Disulfide

Concen: 21.252 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

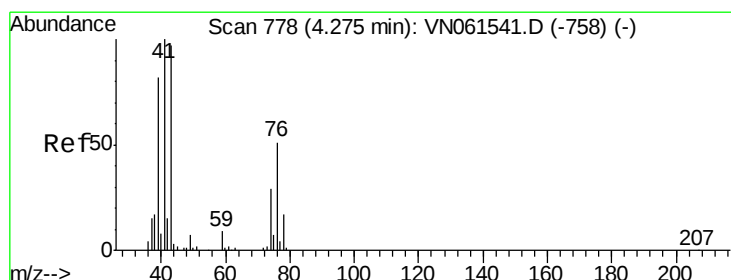
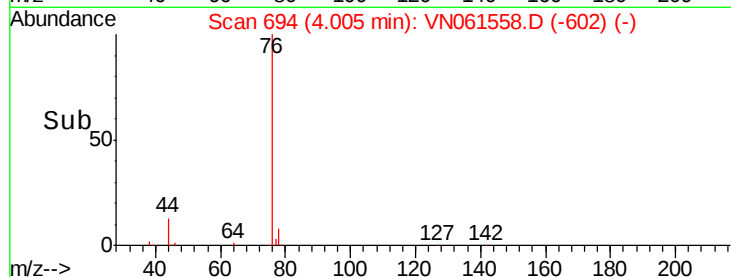
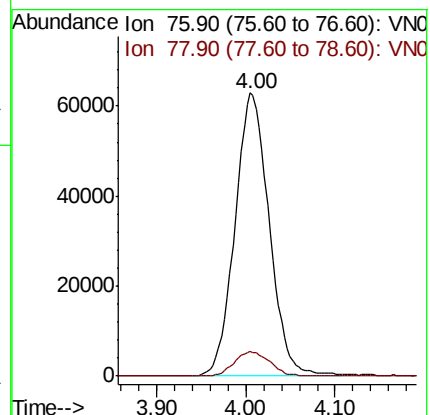
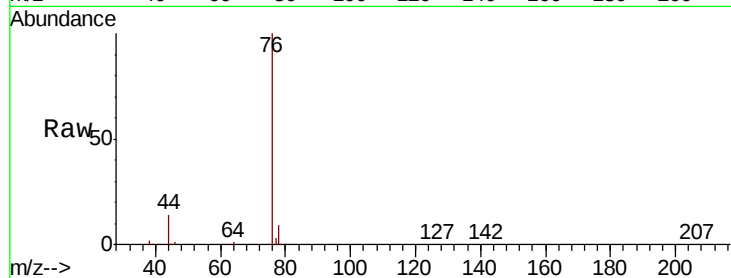
ClientSampleId :

Tot Ion: 76 Resp: 167613

Ion Ratio Lower Upper

76 100

78 8.6 7.8 11.6



#18

Methyl Acetate

Concen: 19.572 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061558.D

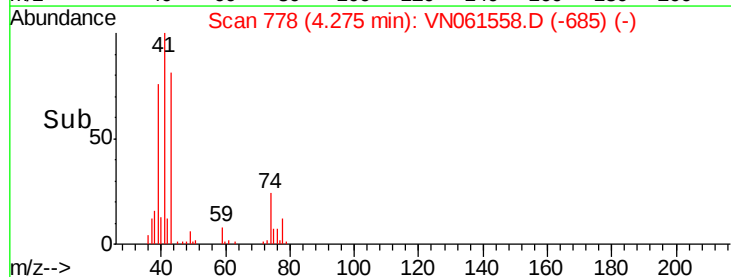
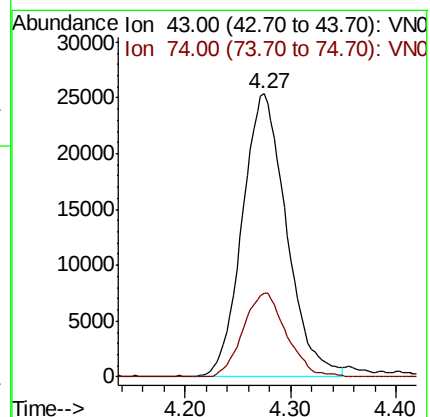
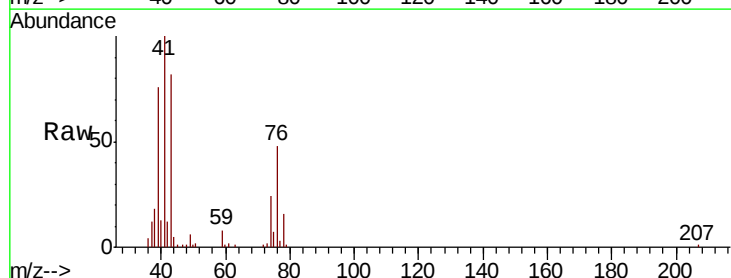
Acq: 29 May 2020 11:35

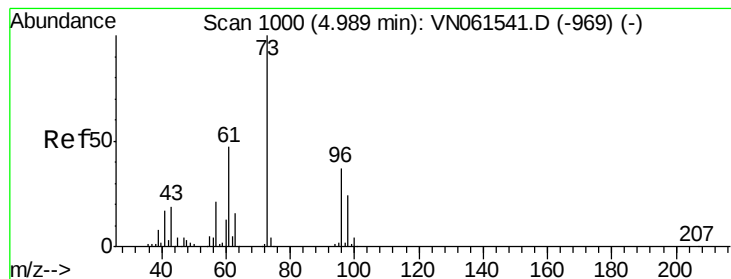
Tgt Ion: 43 Resp: 74060

Ion Ratio Lower Upper

43 100

74 29.0 23.2 34.8



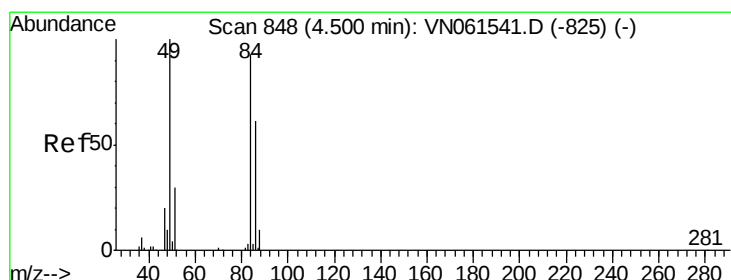
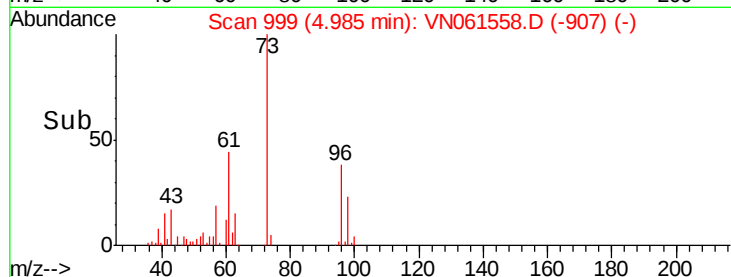
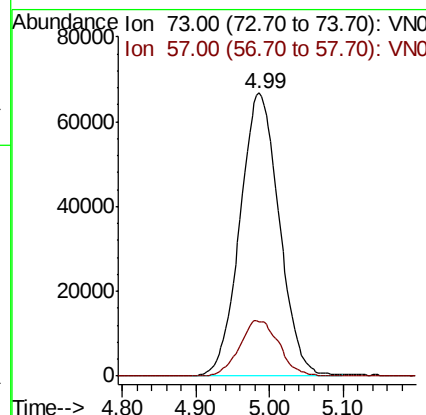
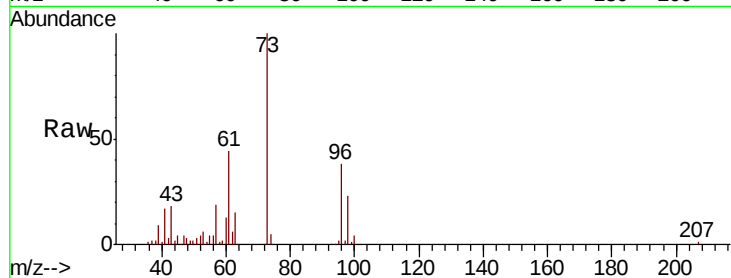


#19

Methyl tert-butyl Ether
 Concen: 20.246 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :

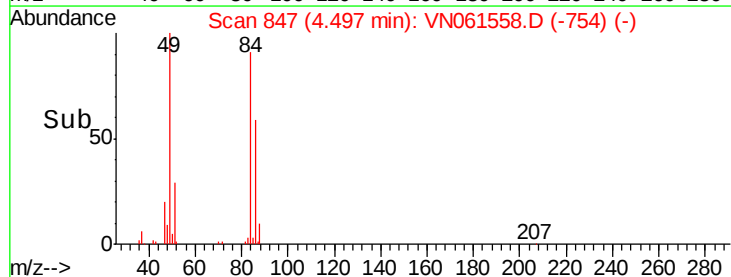
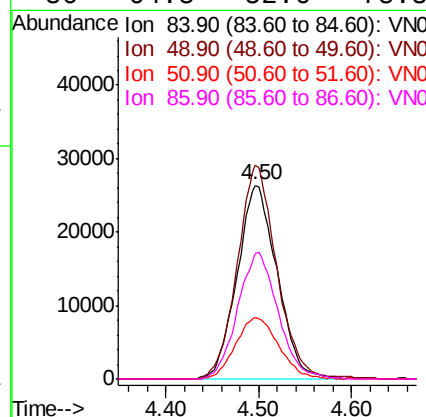
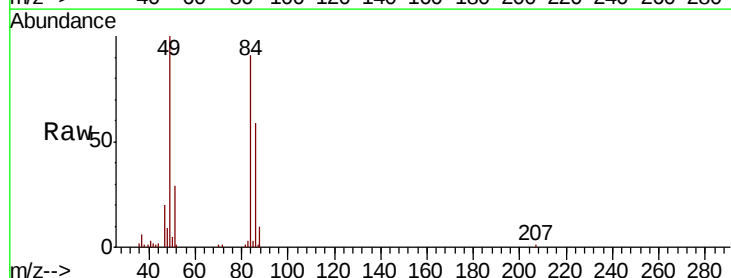
Tot Ion: 73 Resp: 247358
 Ion Ratio Lower Upper
 73 100
 57 19.2 16.4 24.6

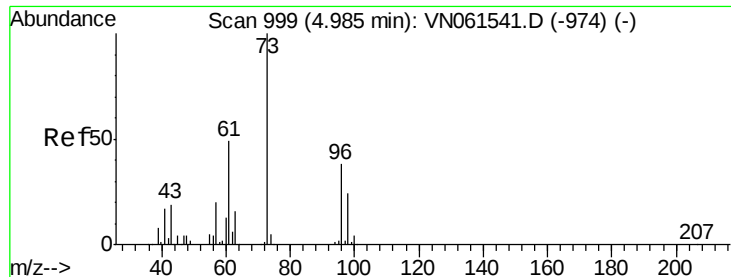


#20

Methylene Chloride
 Concen: 19.715 ug/l
 RT: 4.50 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion: 84 Resp: 78905
 Ion Ratio Lower Upper
 84 100
 49 110.4 85.8 128.8
 51 31.7 26.2 39.2
 86 64.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 20.029 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

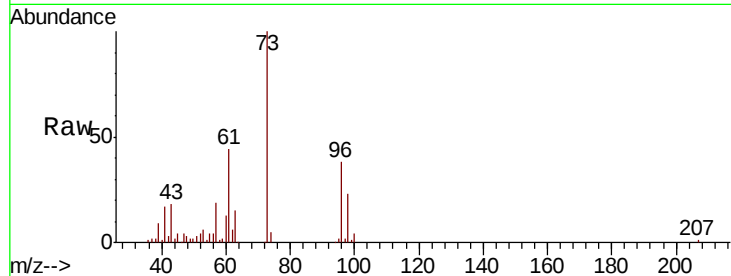
Tot Ion: 96 Resp: 80973

Ion Ratio Lower Upper

96 100

61 117.1 101.4 152.0

98 61.2 50.6 76.0

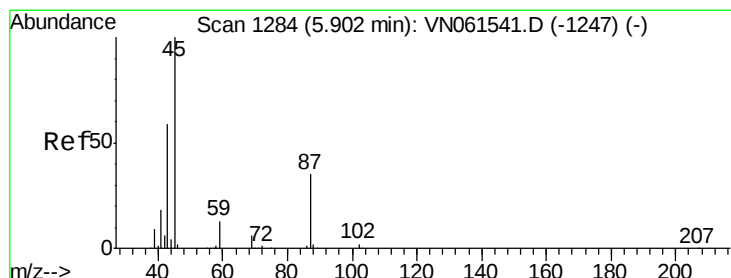
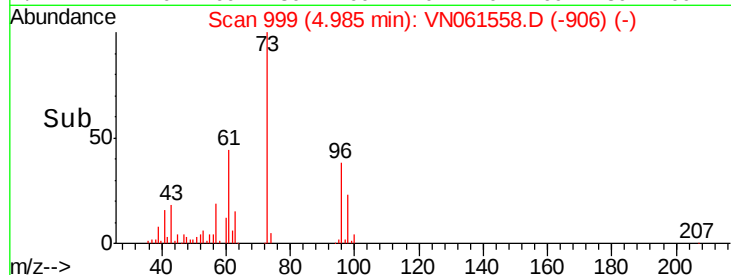
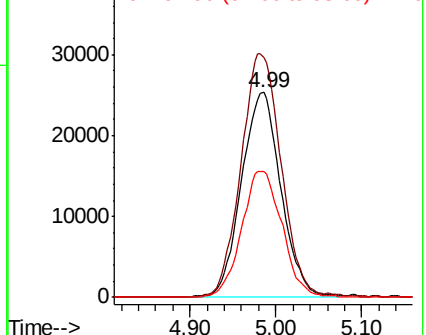


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.721 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Tgt Ion: 45 Resp: 214036

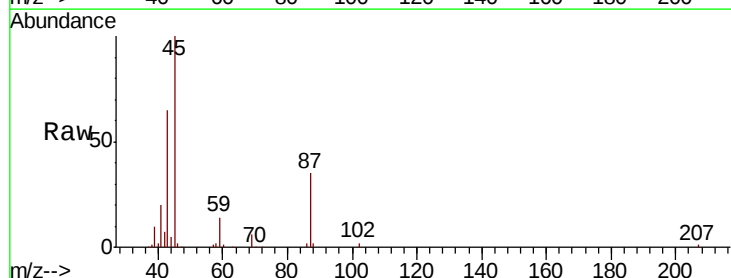
Ion Ratio Lower Upper

45 100

43 62.8 47.9 71.9

87 34.8 28.4 42.6

59 13.4 10.5 15.7



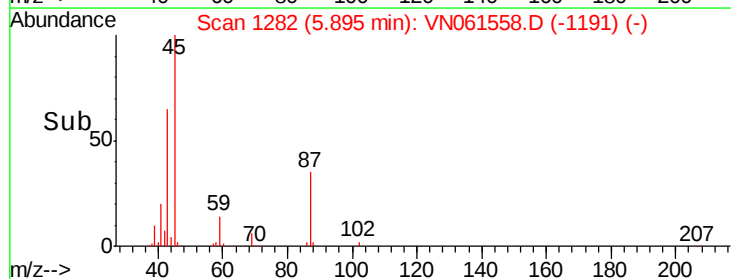
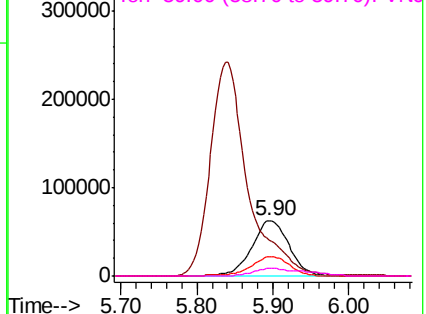
Abundance

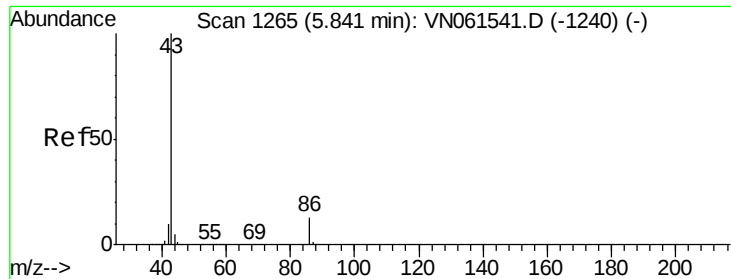
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 100.908 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

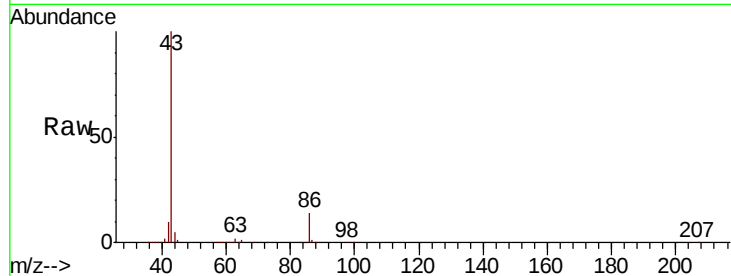
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 830770

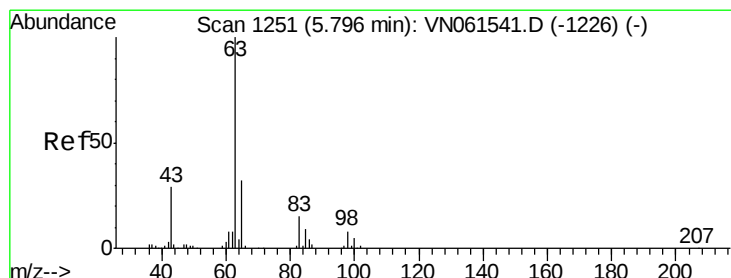
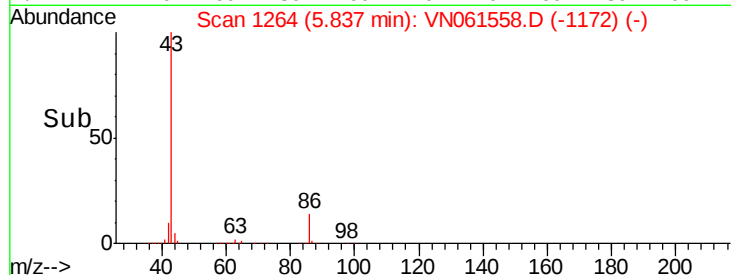
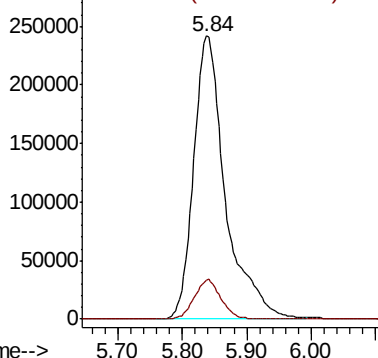
Ion Ratio Lower Upper

43 100

86 13.7 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.510 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

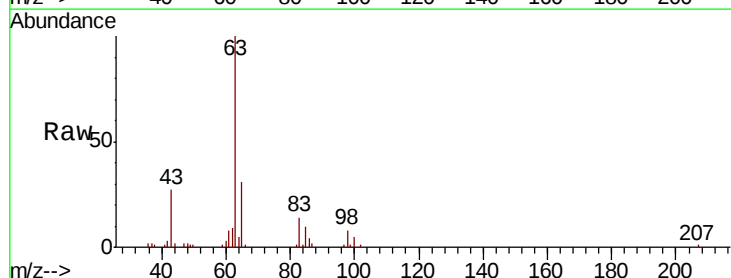
Tgt Ion: 63 Resp: 134342

Ion Ratio Lower Upper

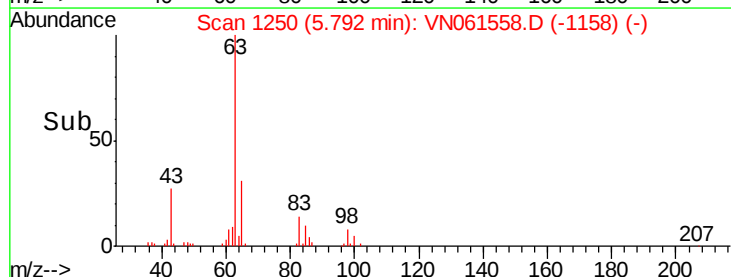
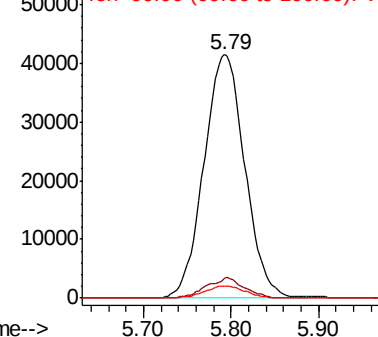
63 100

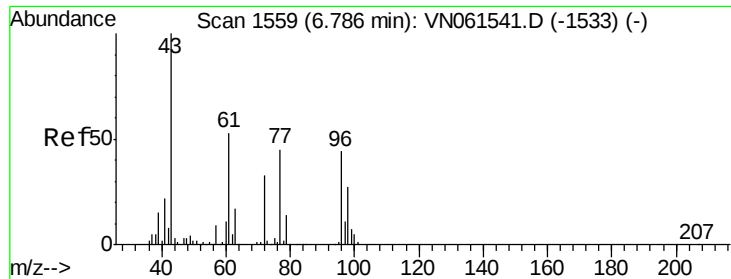
98 8.0 3.8 11.4

100 4.9 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0

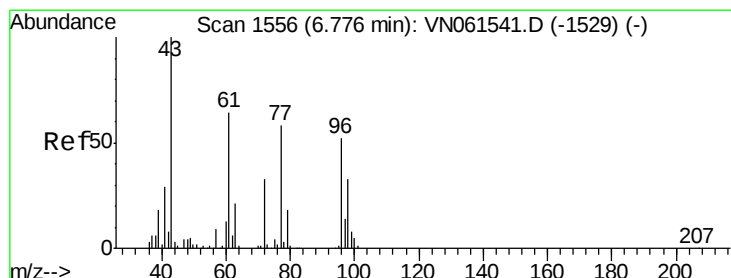
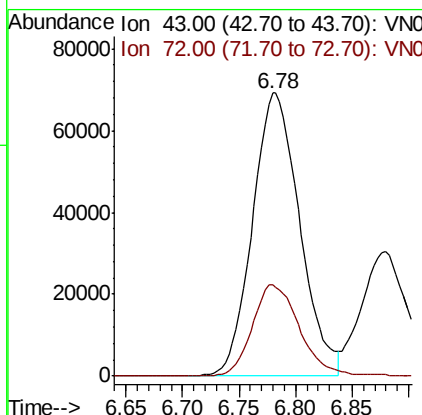
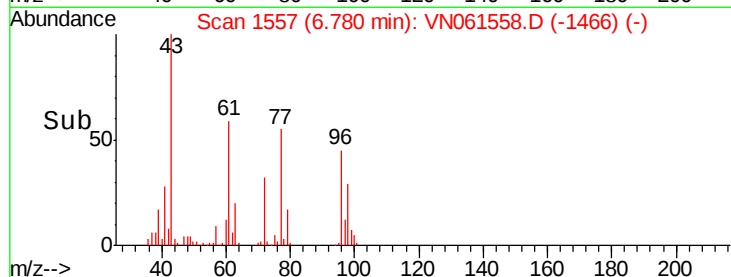
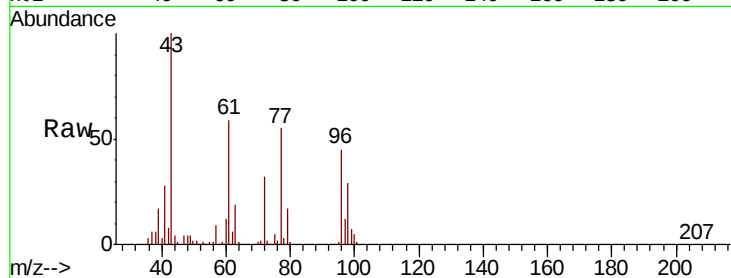




#25
2-Butanone
Concen: 101.239 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

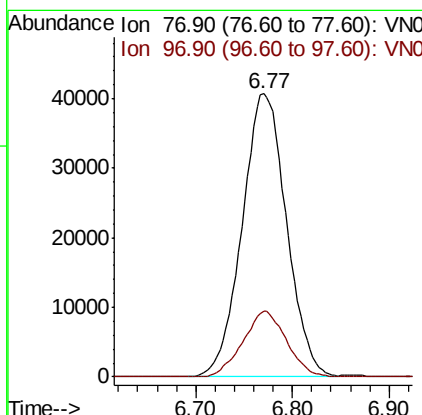
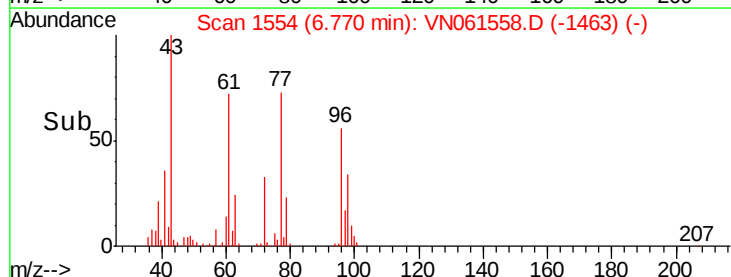
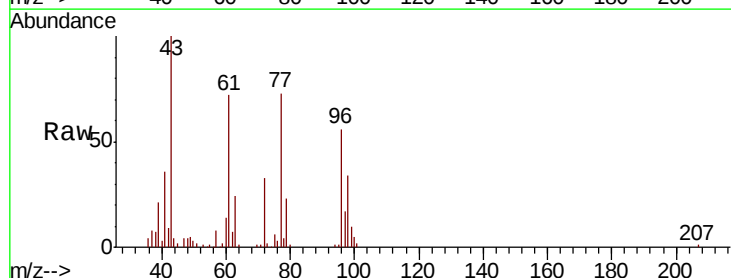
Instrument :
MSVOA_N
ClientSampled :

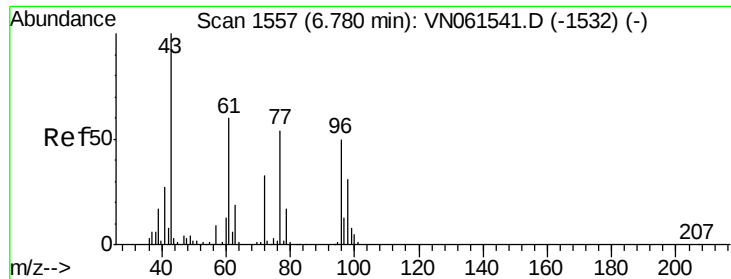
Tot Ion: 43 Resp: 200553
Ion Ratio Lower Upper
43 100
72 32.3 26.0 39.0



#26
2,2-Dichloropropane
Concen: 21.668 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion: 77 Resp: 129905
Ion Ratio Lower Upper
77 100
97 22.8 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.450 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampled :

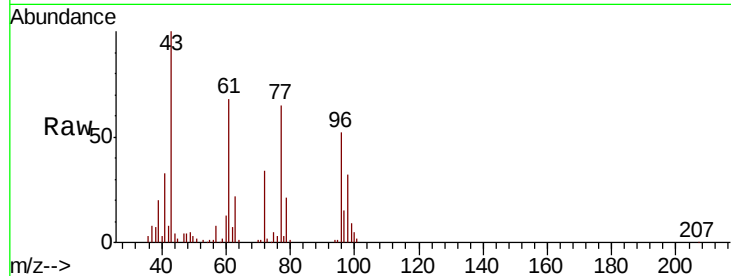
Tot Ion: 96 Resp: 93620

Ion Ratio Lower Upper

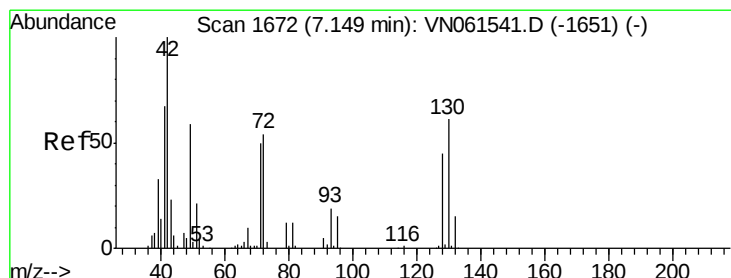
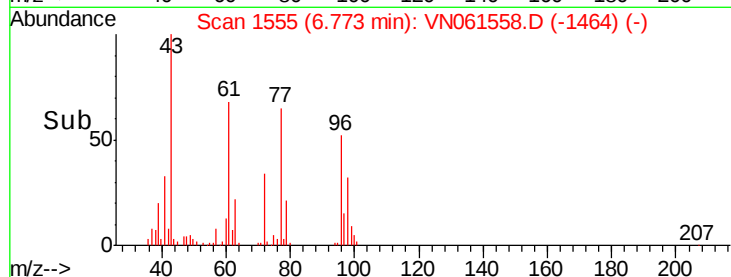
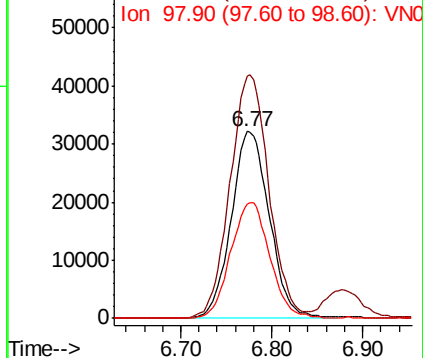
96 100

61 132.7 0.0 252.2

98 63.4 0.0 129.2



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



#28

Bromochloromethane

Concen: 22.242 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

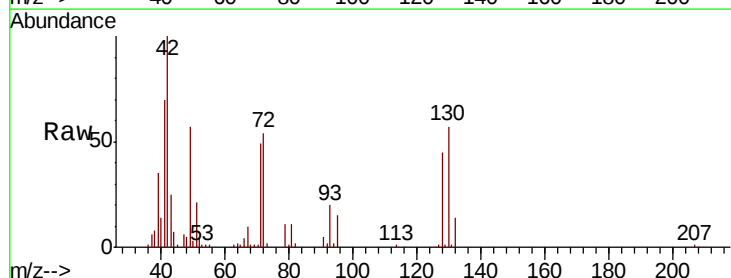
Tgt Ion: 49 Resp: 56598

Ion Ratio Lower Upper

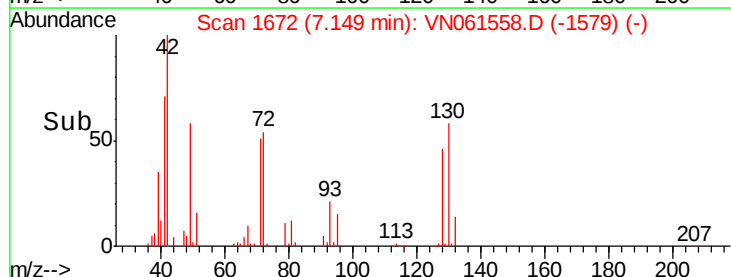
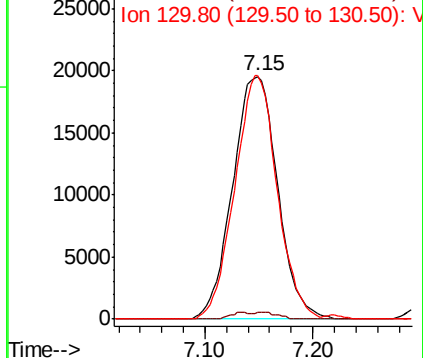
49 100

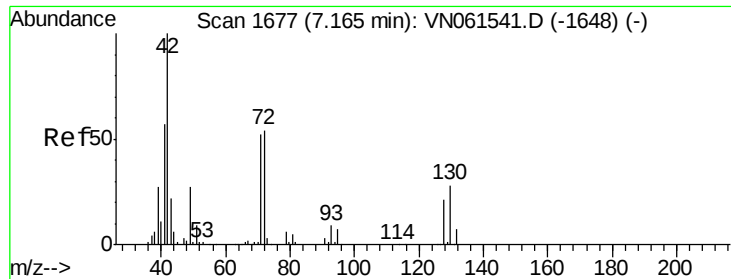
129 1.3 0.0 4.8

130 94.2 78.8 118.2



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

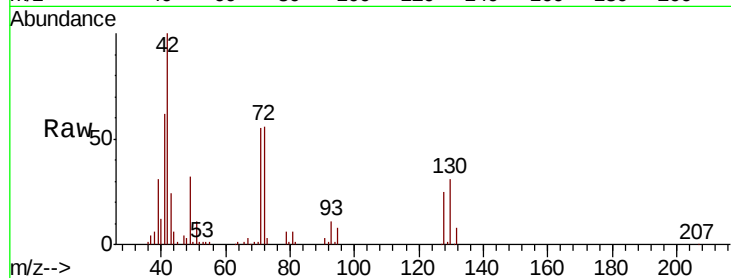




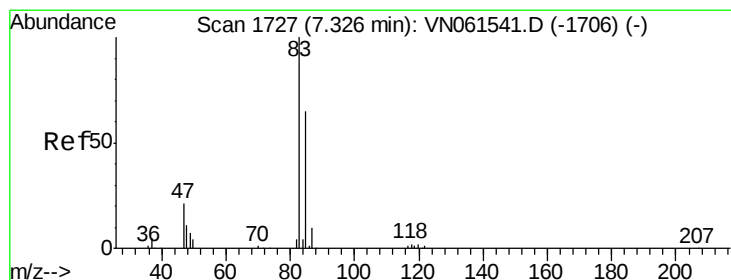
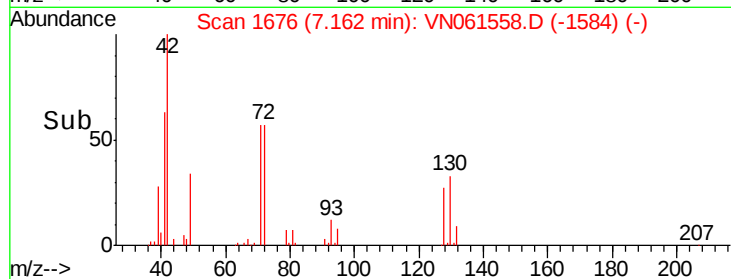
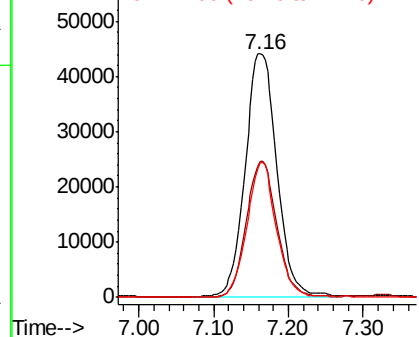
#29
Tetrahydrofuran
Concen: 100.273 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 130987
Ion Ratio Lower Upper
42 100
72 53.9 43.6 65.4
71 50.6 41.2 61.8

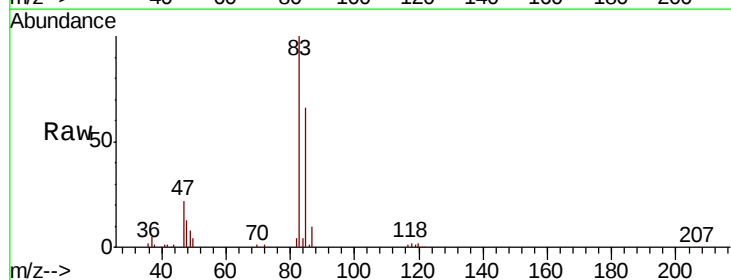


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

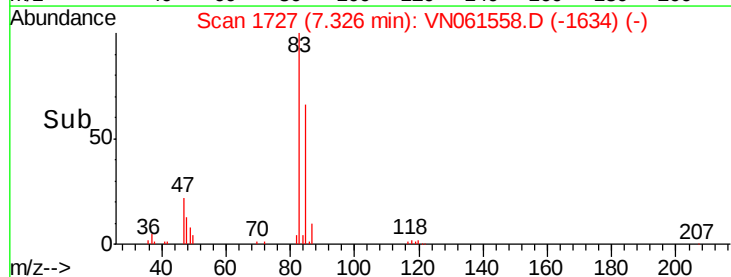
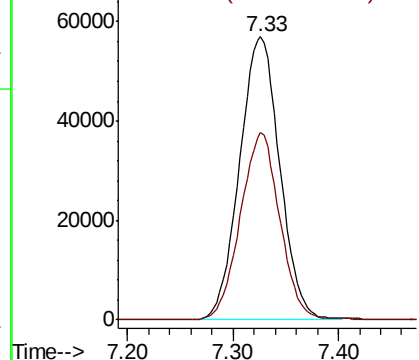


#30
Chloroform
Concen: 20.820 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion: 83 Resp: 150873
Ion Ratio Lower Upper
83 100
85 66.3 51.7 77.5



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





#31

Cyclohexane

Concen: 20.592 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampled :

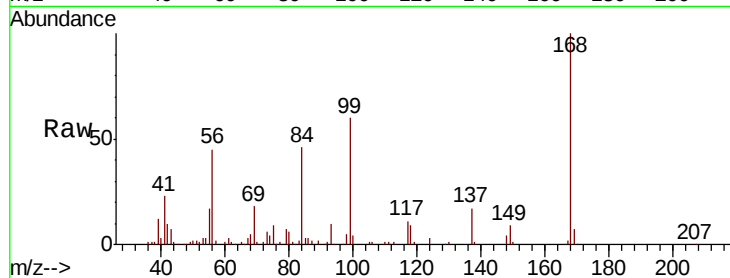
Tot Ion: 56 Resp: 121306

Ion Ratio Lower Upper

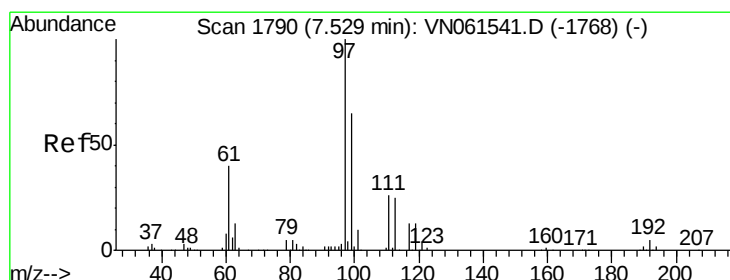
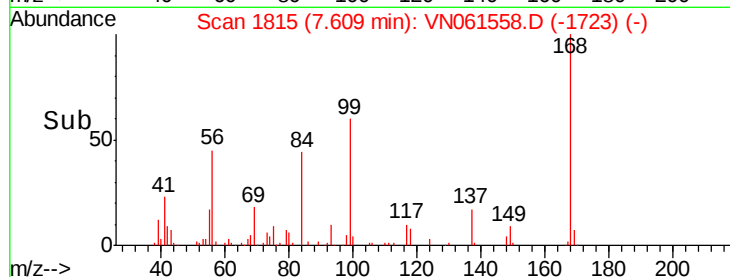
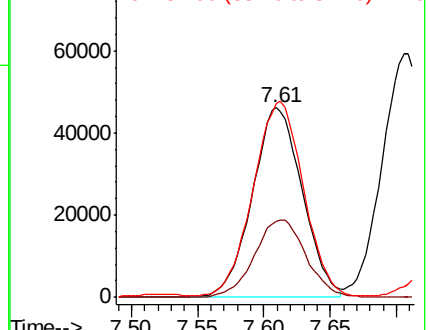
56 100

69 40.0 27.8 41.8

84 101.3 79.9 119.9



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: 20.593 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

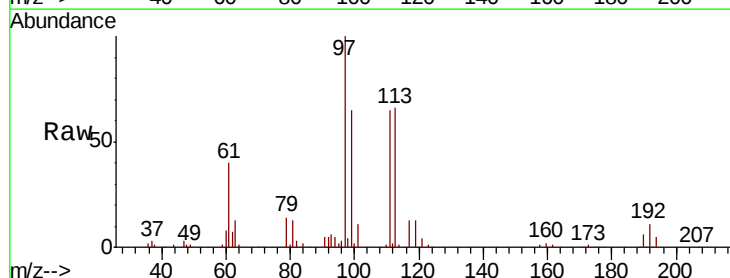
Tgt Ion: 97 Resp: 135980

Ion Ratio Lower Upper

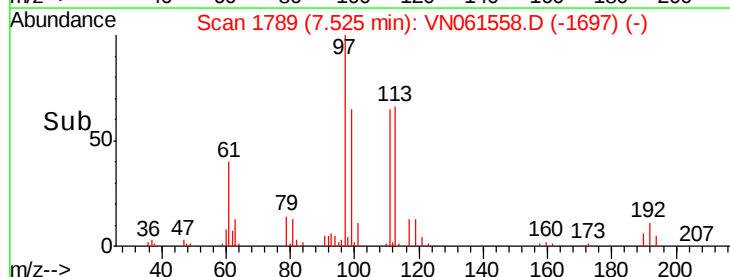
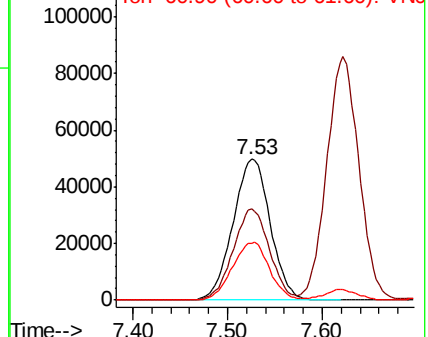
97 100

99 63.2 51.4 77.0

61 40.8 31.4 47.0



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

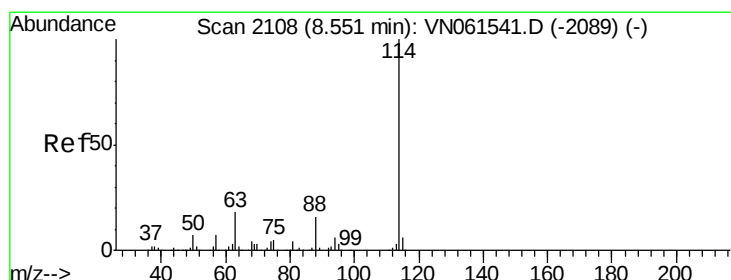
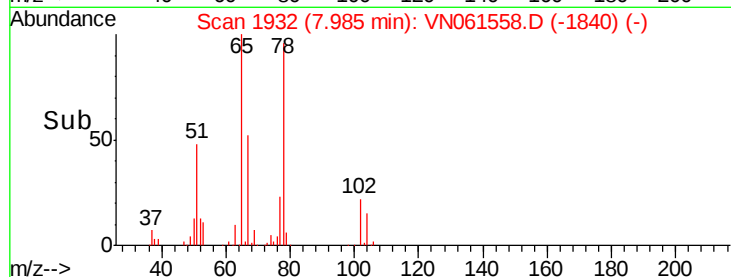
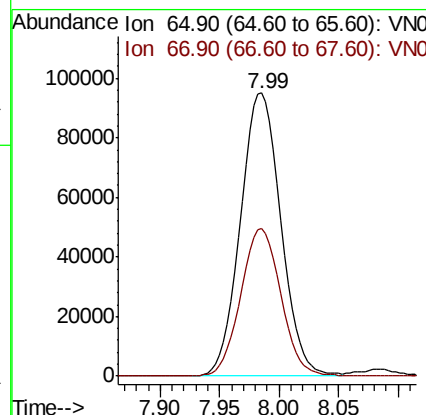
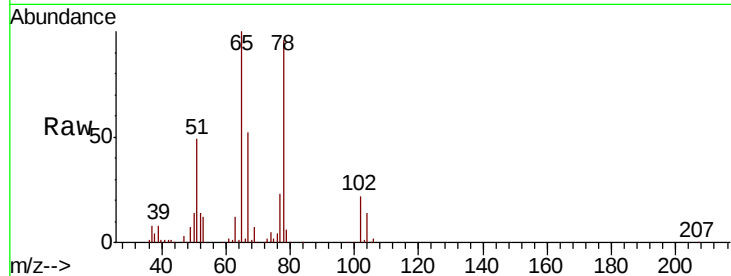




#33
 1,2-Dichloroethane-d4
 Concen: 53.637 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

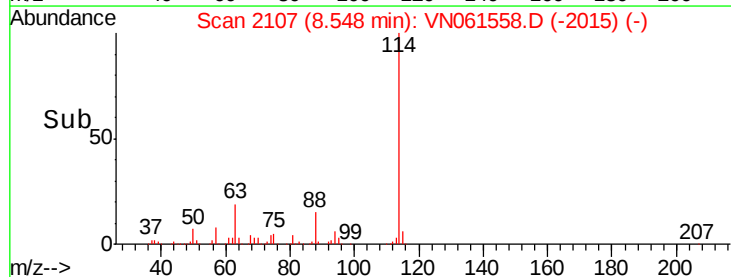
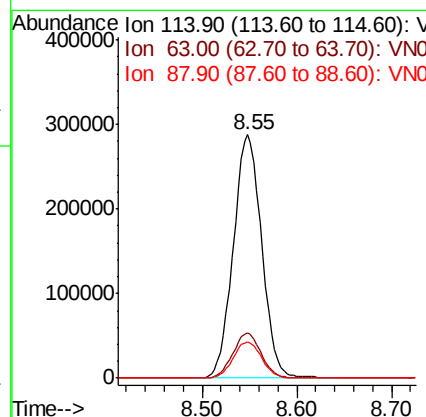
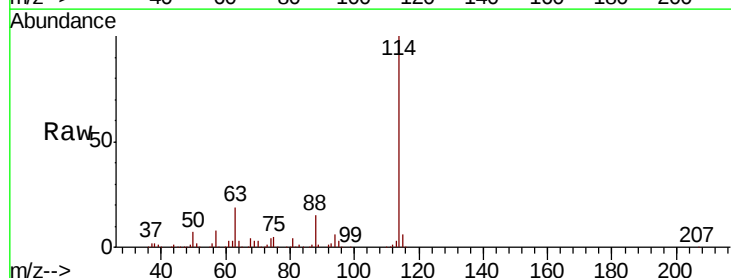
Instrument :
 MSVOA_N
 ClientSampleId :

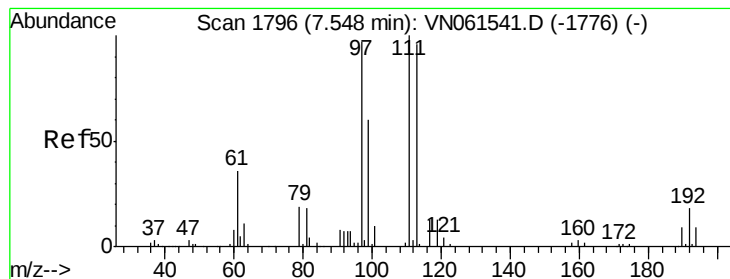
Tot Ion: 65 Resp: 224199
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion: 114 Resp: 600134
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.8
 88 14.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 56.087 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

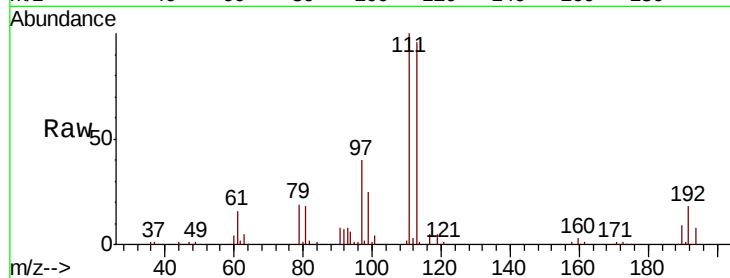
Tot Ion:113 Resp: 170751

Ion Ratio Lower Upper

113 100

111 100.9 83.4 125.0

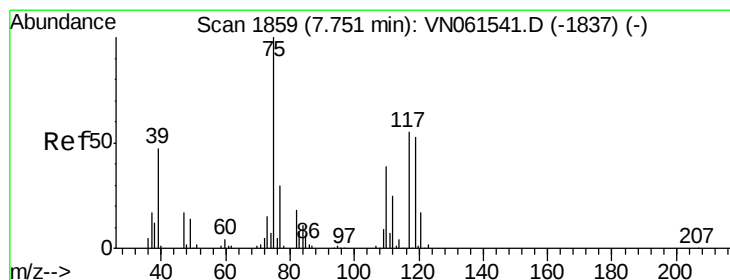
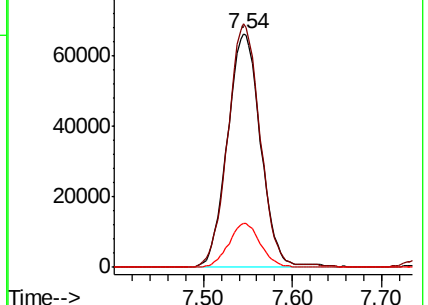
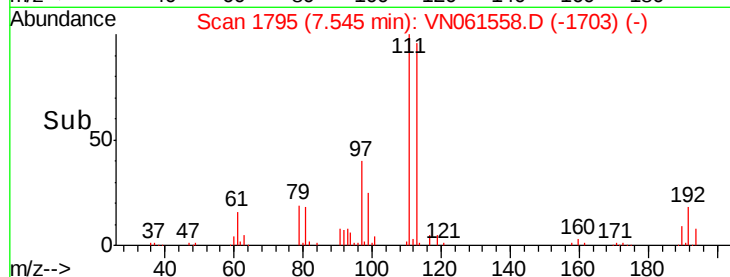
192 18.1 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.620 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

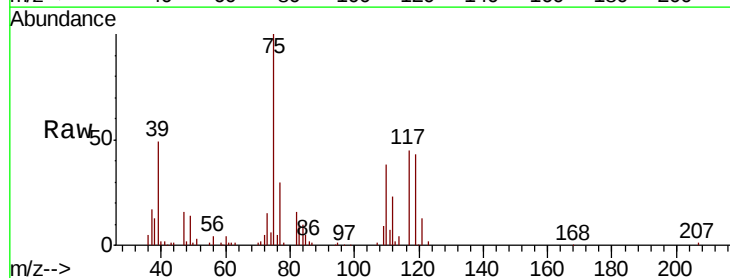
Tgt Ion: 75 Resp: 109551

Ion Ratio Lower Upper

75 100

110 37.8 19.5 58.5

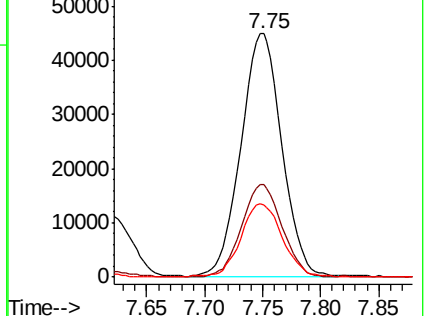
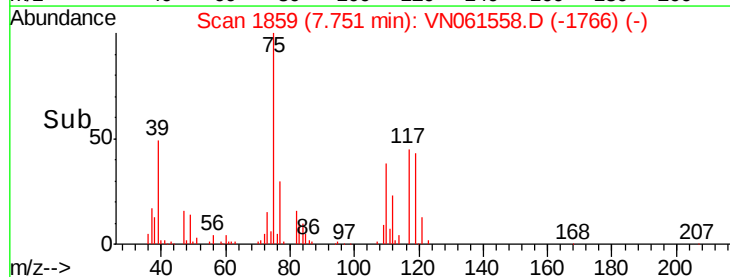
77 30.9 24.7 37.1

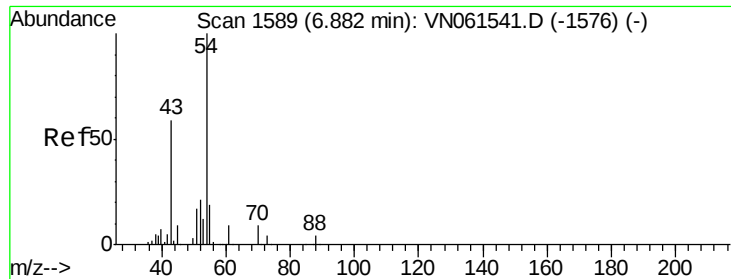


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

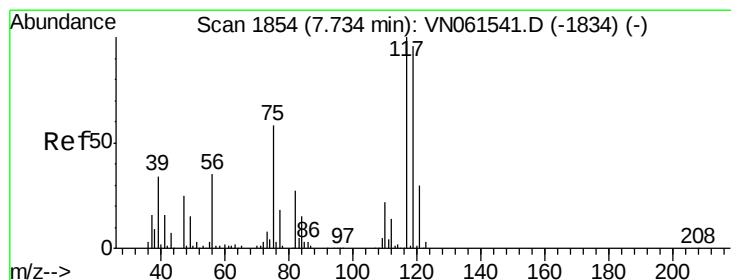
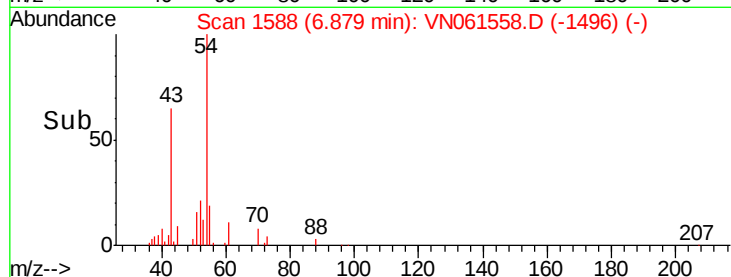
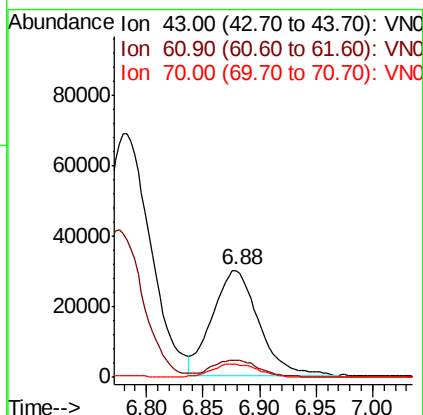
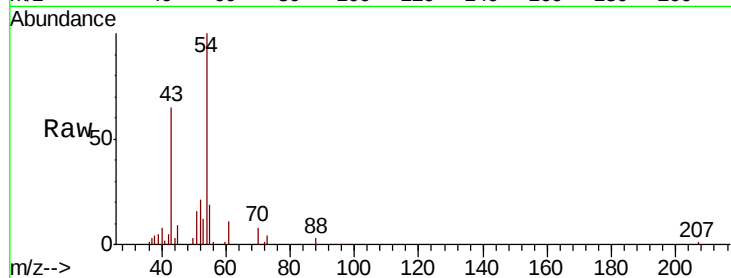




#37
Ethyl Acetate
Concen: 20.030 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

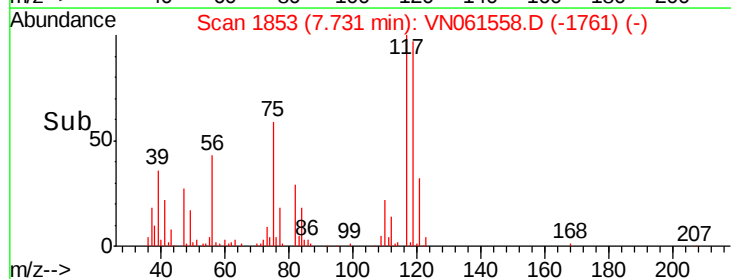
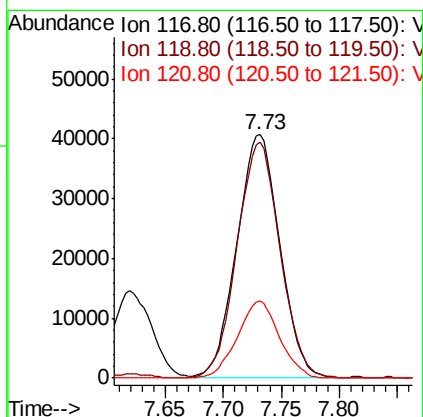
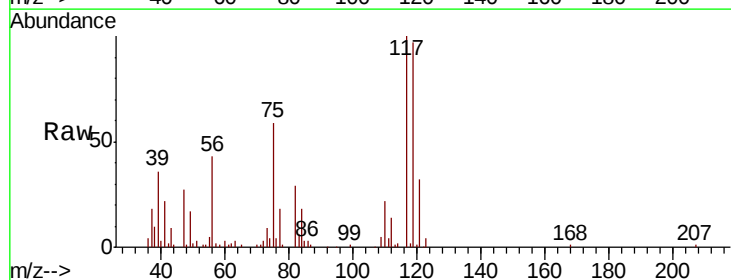
Instrument :
MSVOA_N
ClientSampleID :

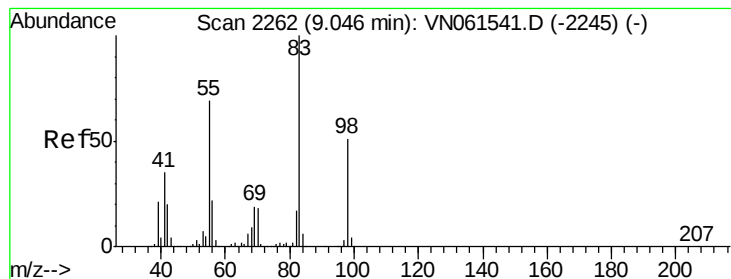
Tot Ion: 43 Resp: 85711
Ion Ratio Lower Upper
43 100
61 15.6 12.2 18.4
70 12.6 9.4 14.2



#38
Carbon Tetrachloride
Concen: 20.484 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion: 117 Resp: 104969
Ion Ratio Lower Upper
117 100
119 96.4 76.5 114.7
121 31.5 24.1 36.1





#39

Methvlcvclohexane

Concen: 20.868 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

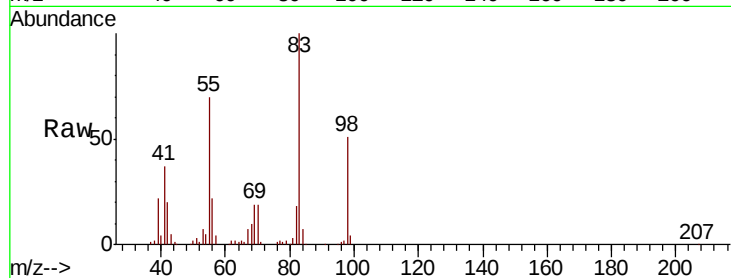
Tot Ion: 83 Resp: 136651

Ion Ratio Lower Upper

83 100

55 69.6 54.9 82.3

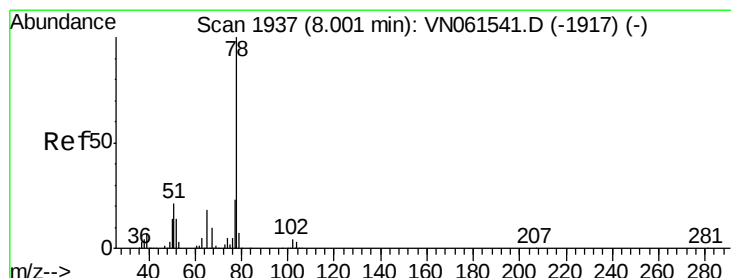
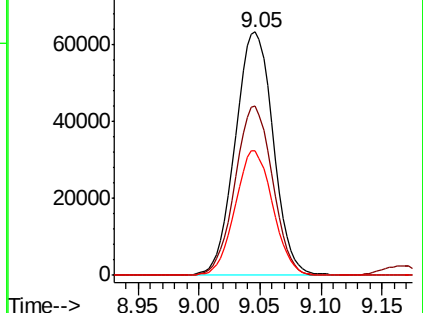
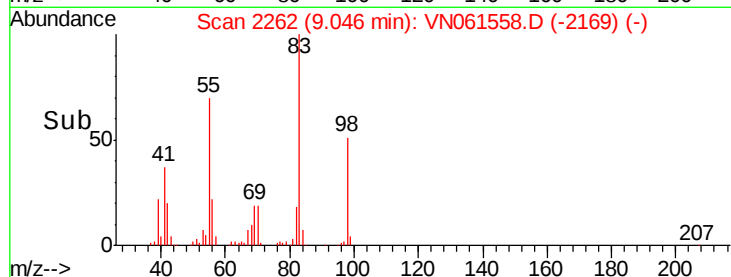
98 51.0 41.0 61.4



Abundance Ion 83.00 (82.70 to 83.70): VN061558.D (-2169) (-)

Ion 55.00 (54.70 to 55.70): VN061558.D (-2169) (-)

Ion 98.00 (97.70 to 98.70): VN061558.D (-2169) (-)



#40

Benzene

Concen: 20.316 ug/l

RT: 8.00 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VN061558.D

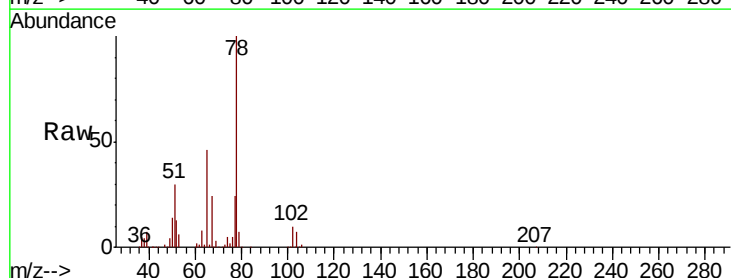
Acq: 29 May 2020 11:35

Tgt Ion: 78 Resp: 333022

Ion Ratio Lower Upper

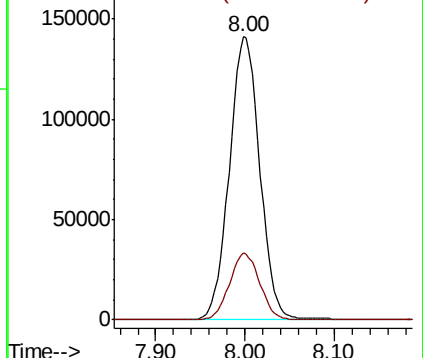
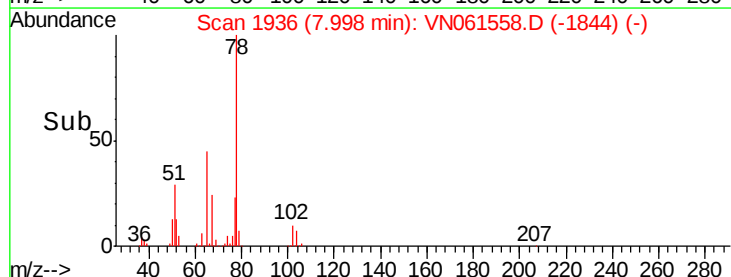
78 100

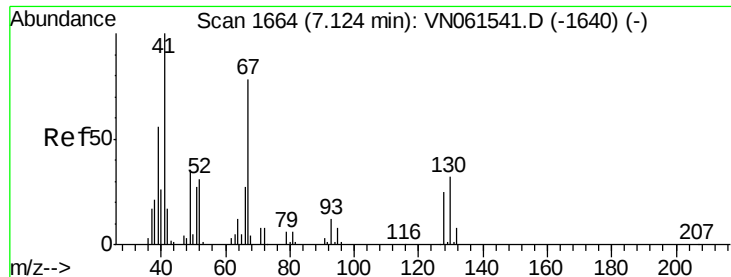
77 23.5 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VN061558.D (-1844) (-)

Ion 77.00 (76.70 to 77.70): VN061558.D (-1844) (-)

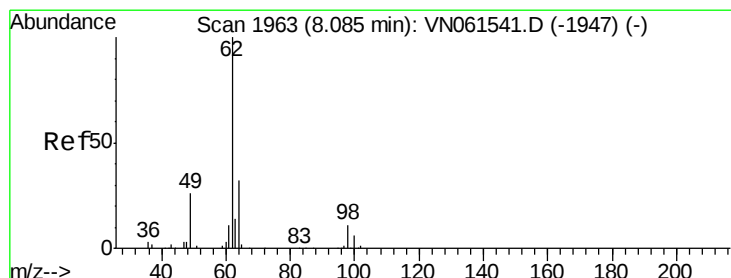
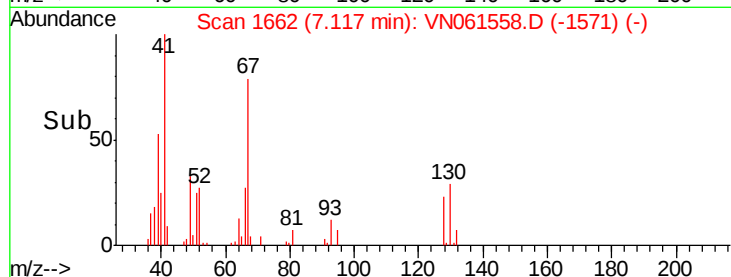
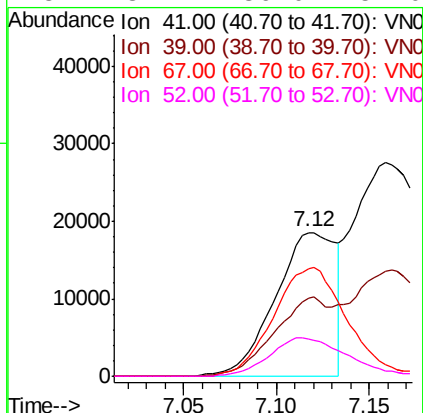
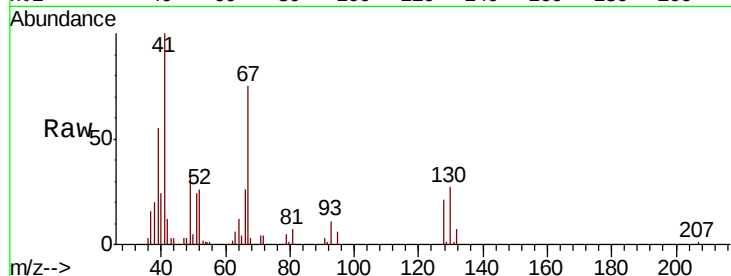




#41
Methacrylonitrile
Concen: 21.478 ug/l
RT: 7.12 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

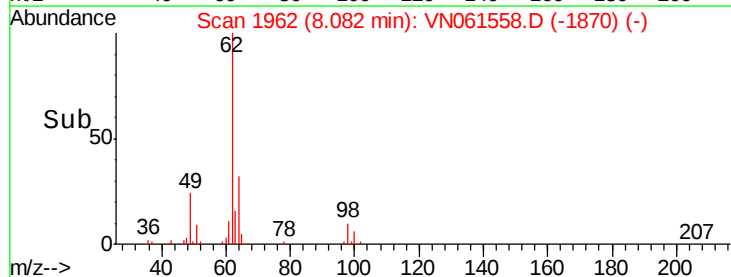
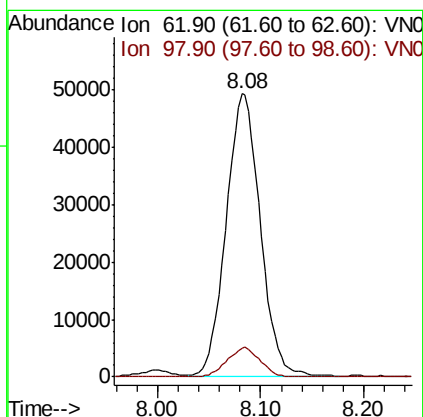
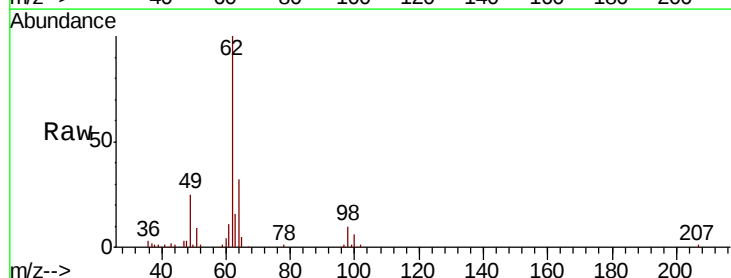
Instrument :
MSVOA_N
ClientSampled :

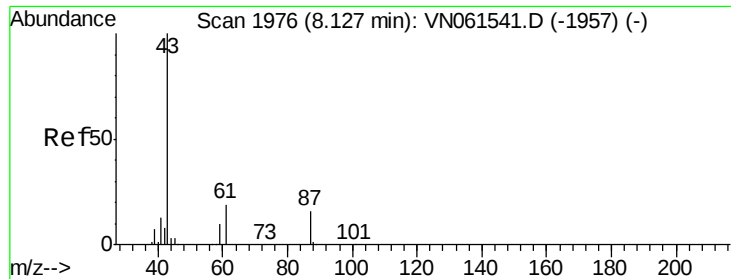
Tot Ion: 41 Resp: 42107
Ion Ratio Lower Upper
41 100
39 50.4 53.8 80.6#
67 92.7 91.1 136.7
52 34.4 36.0 54.0#



#42
1,2-Dichloroethane
Concen: 20.613 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion: 62 Resp: 113121
Ion Ratio Lower Upper
62 100
98 10.1 0.0 21.4

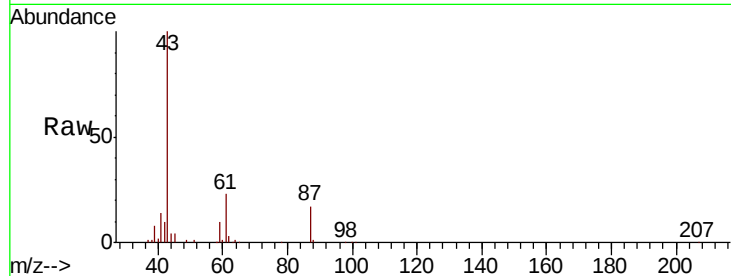




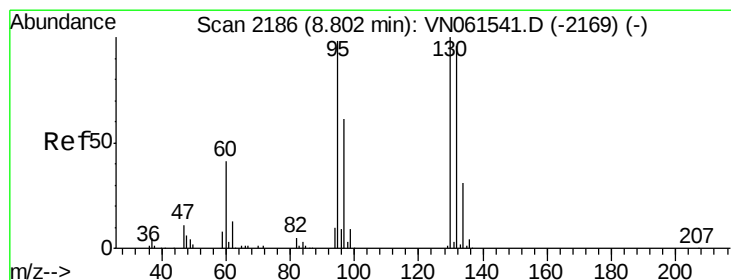
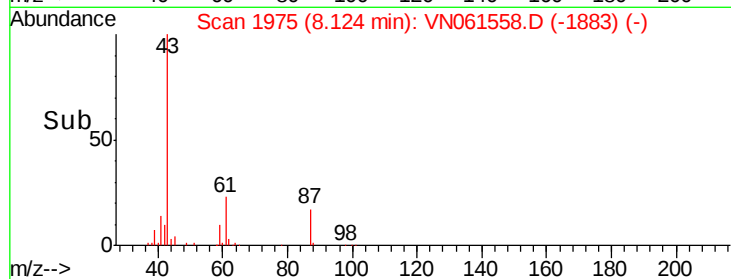
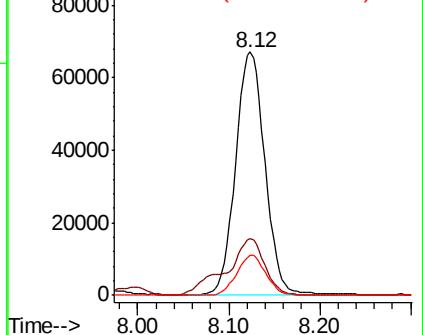
#43
Isopropyl Acetate
Concen: 19.629 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 151117
Ion Ratio Lower Upper
43 100
61 30.4 23.6 35.4
87 16.3 13.0 19.6

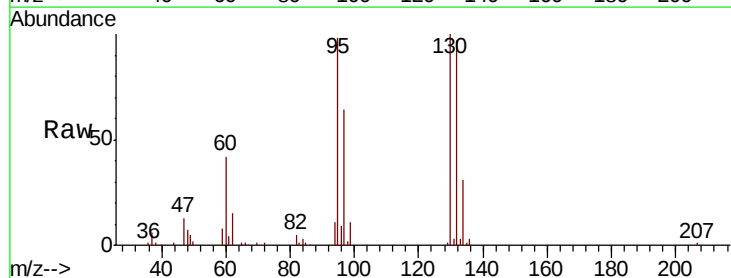


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

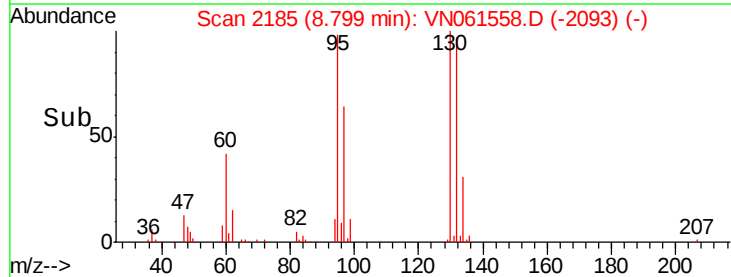
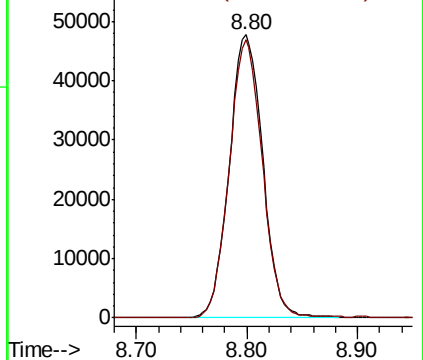


#44
Trichloroethene
Concen: 19.979 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion:130 Resp: 100650
Ion Ratio Lower Upper
130 100
95 98.2 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.240 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

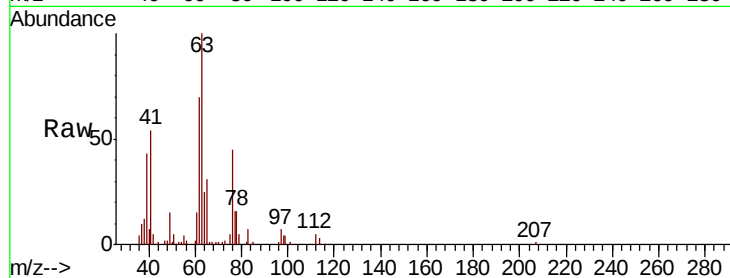
ClientSampleId :

Tot Ion: 63 Resp: 78783

Ion Ratio Lower Upper

63 100

65 31.2 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061541.D (-2250) (-)

Ion 64.90 (64.60 to 65.60): VN061541.D (-2250) (-)

9.08

40000

30000

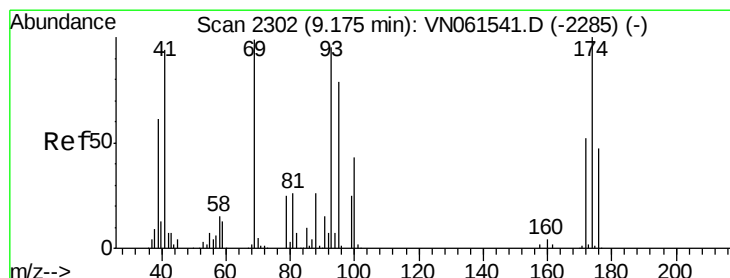
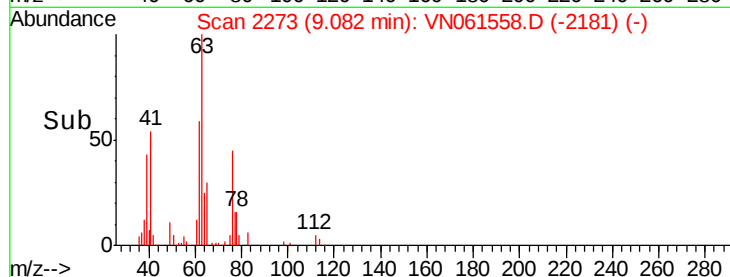
20000

10000

0

9.00 9.05 9.10 9.15

Time-->



#46

Dibromomethane

Concen: 19.902 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

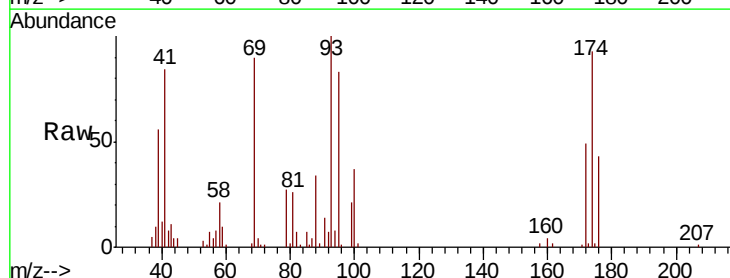
Tgt Ion: 93 Resp: 59414

Ion Ratio Lower Upper

93 100

95 83.3 66.0 99.0

174 96.7 82.5 123.7



Abundance Ion 92.80 (92.50 to 93.50): VN061541.D (-2285) (-)

Ion 94.80 (94.50 to 95.50): VN061541.D (-2285) (-)

Ion 173.70 (173.40 to 174.40): VN061541.D (-2285) (-)

9.17

40000

30000

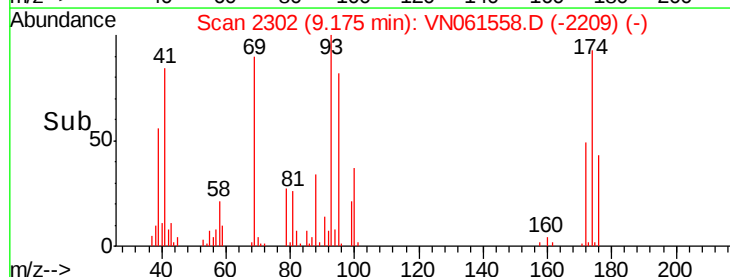
20000

10000

0

9.10 9.15 9.20 9.25

Time-->





#47

Bromodichloromethane

Concen: 19.999 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

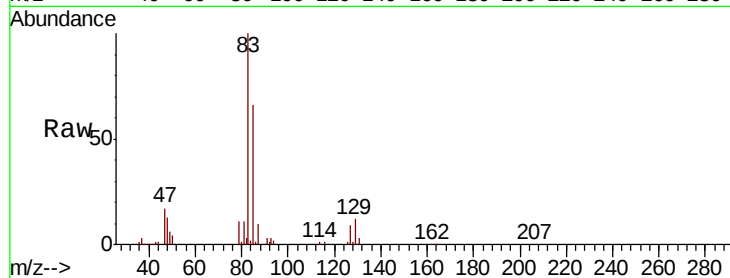
Tot Ion: 83 Resp: 118284

Ion Ratio Lower Upper

83 100

85 66.2 51.1 76.7

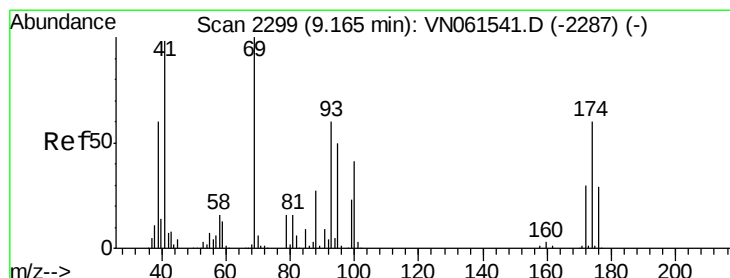
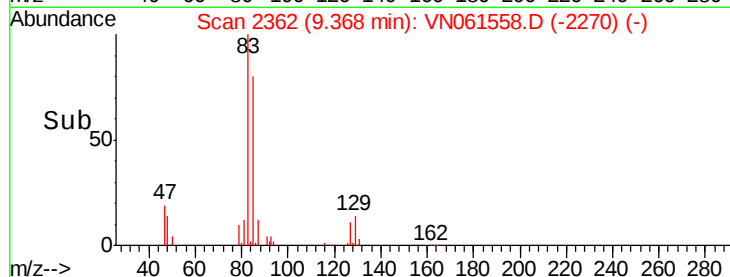
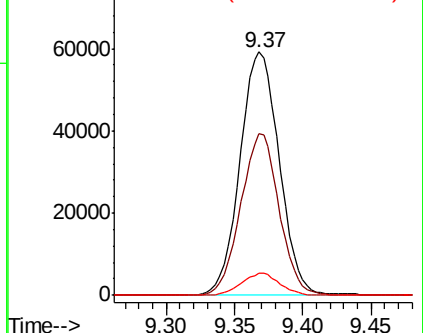
127 8.9 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061558.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061558.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061558.D (-2270) (-)



#48

Methyl methacrylate

Concen: 18.572 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

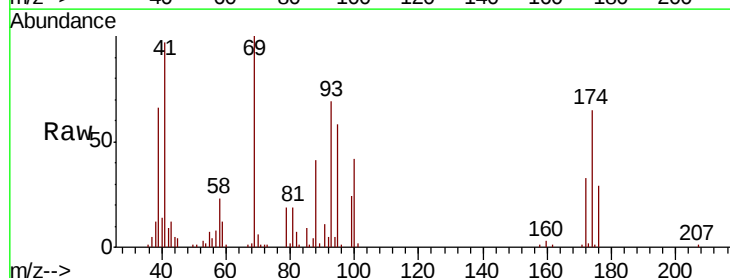
Tgt Ion: 41 Resp: 64327

Ion Ratio Lower Upper

41 100

69 108.0 83.9 125.9

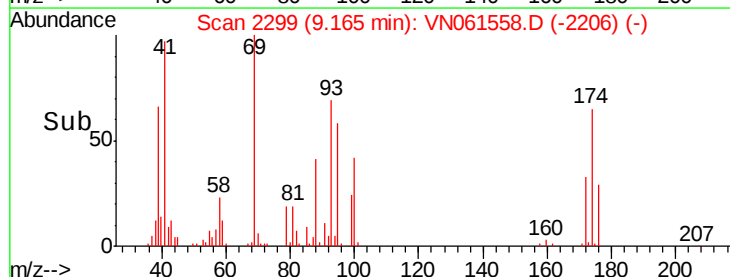
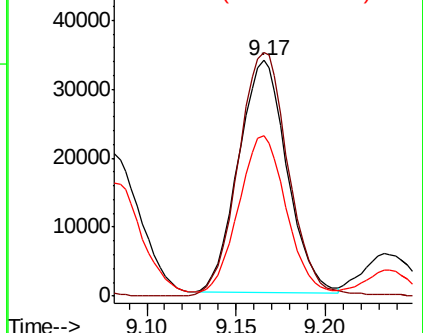
39 65.6 52.1 78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061558.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061558.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061558.D (-2206) (-)





#49

1,4-Dioxane

Concen: 548.452 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :

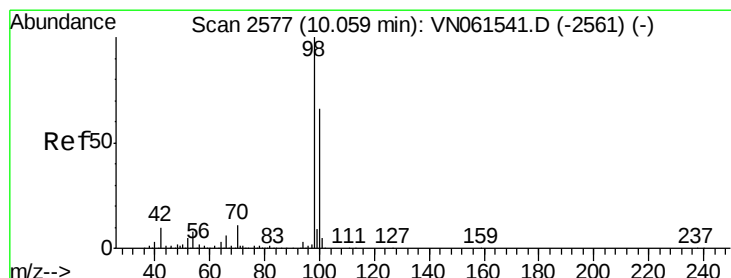
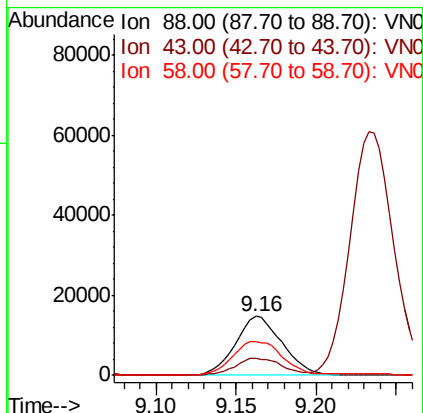
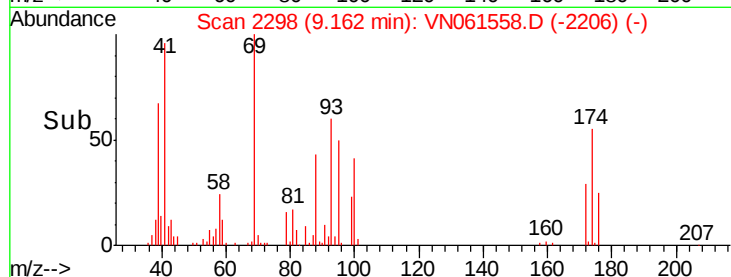
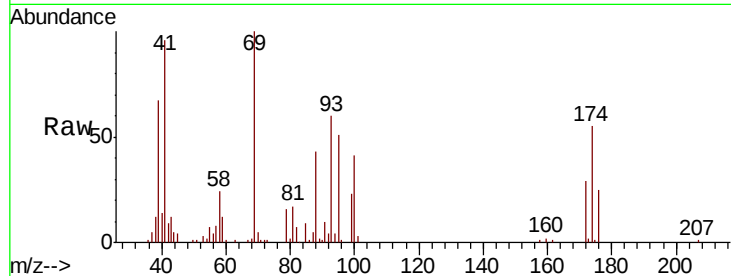
Tot Ion: 88 Resp: 29429

Ion Ratio Lower Upper

88 100

43 29.5 23.1 34.7

58 61.4 48.3 72.5



#50

Toluene-d8

Concen: 52.363 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061558.D

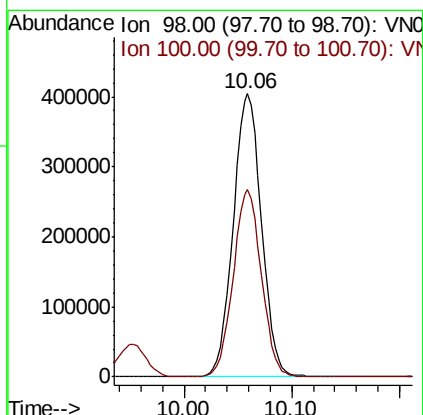
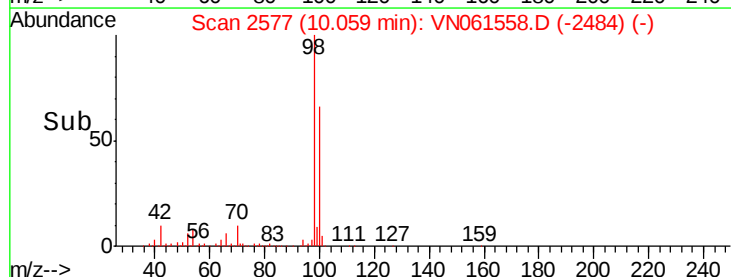
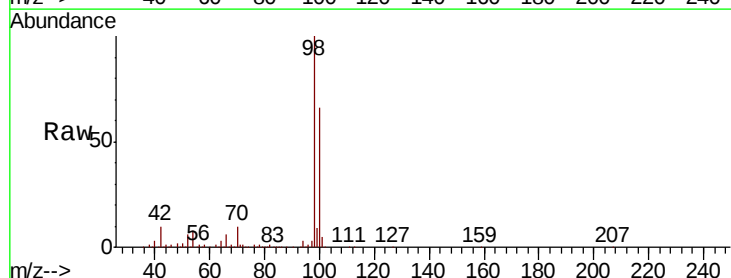
Acq: 29 May 2020 11:35

Tgt Ion: 98 Resp: 738742

Ion Ratio Lower Upper

98 100

100 65.9 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 98.522 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

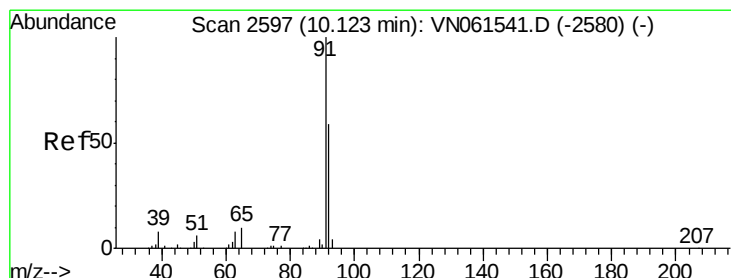
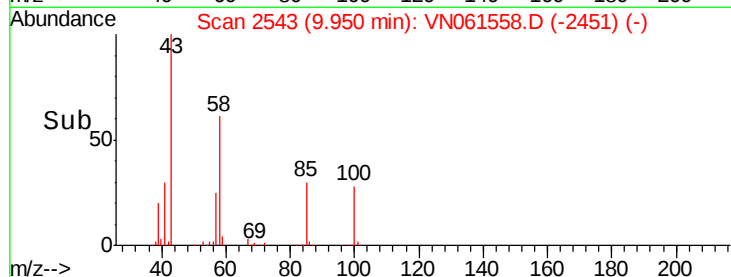
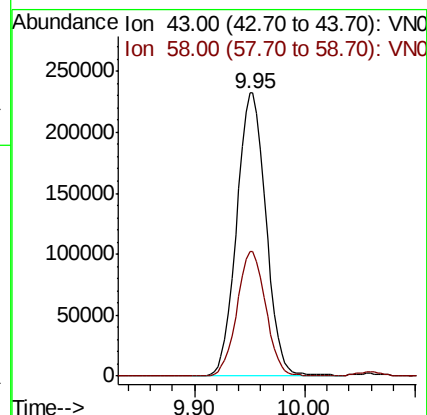
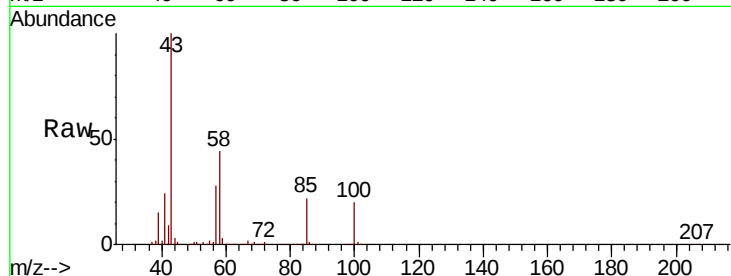
ClientSampled :

Tot Ion: 43 Resp: 427419

Ion Ratio Lower Upper

43 100

58 43.5 35.0 52.6



#52

Toluene

Concen: 20.511 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061558.D

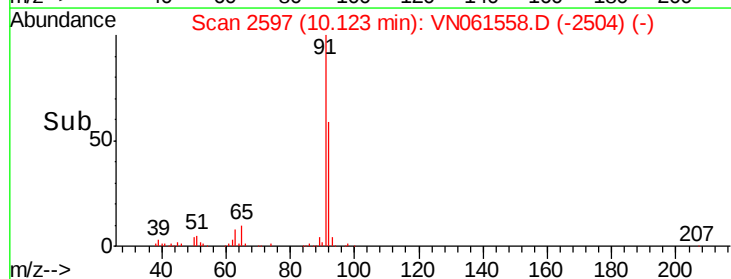
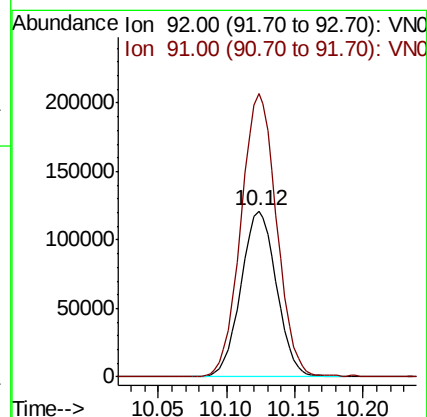
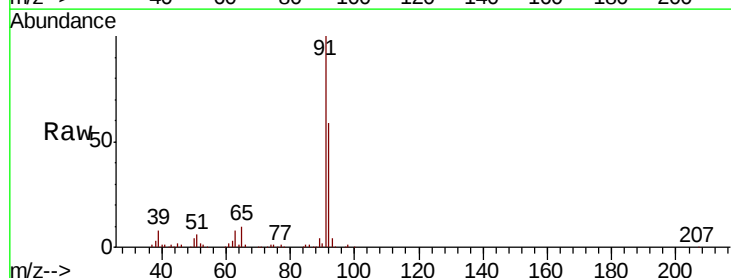
Acq: 29 May 2020 11:35

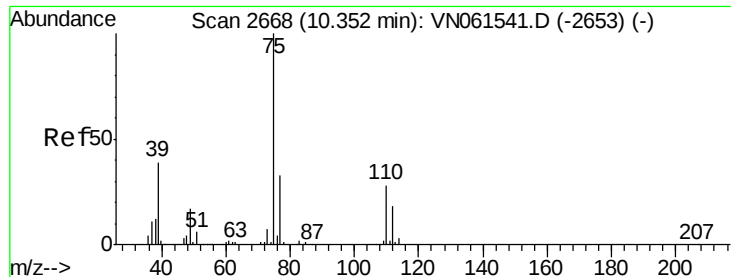
Tgt Ion: 92 Resp: 219450

Ion Ratio Lower Upper

92 100

91 171.3 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 20.444 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

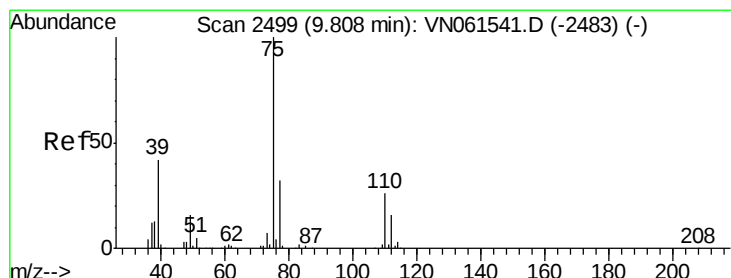
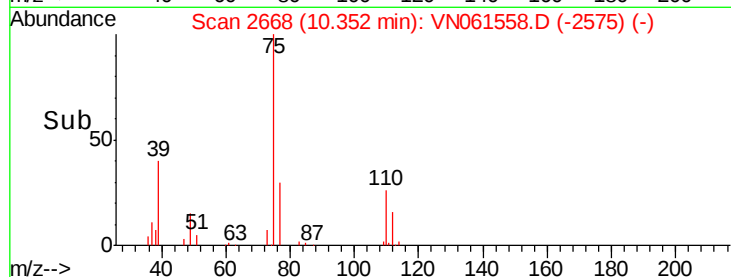
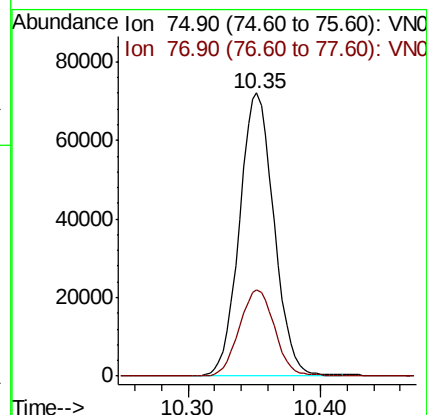
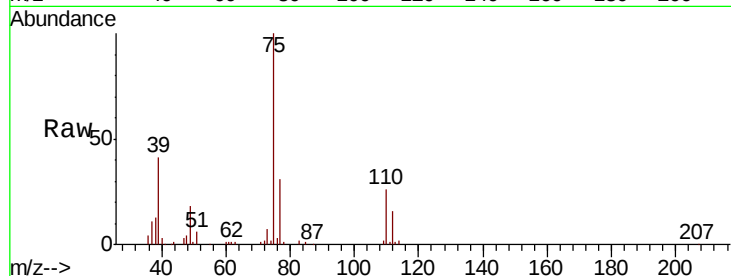
ClientSampled :

Tot Ion: 75 Resp: 130261

Ion Ratio Lower Upper

75 100

77 30.6 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 19.867 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

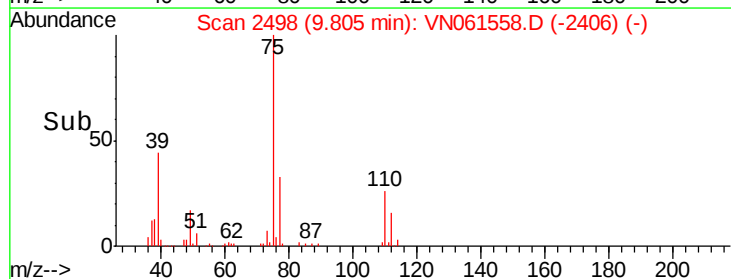
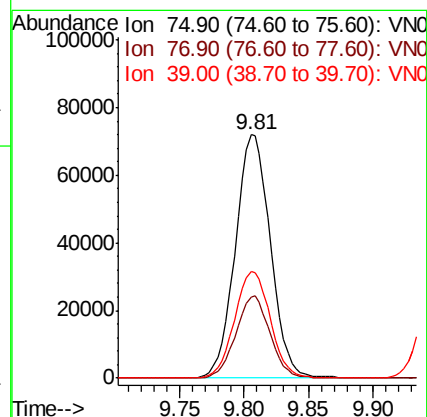
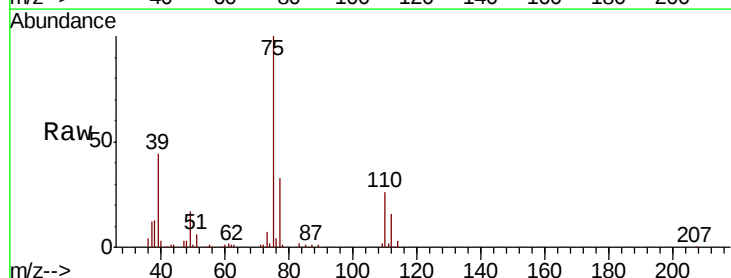
Tgt Ion: 75 Resp: 136105

Ion Ratio Lower Upper

75 100

77 33.3 25.4 38.2

39 43.7 33.8 50.6



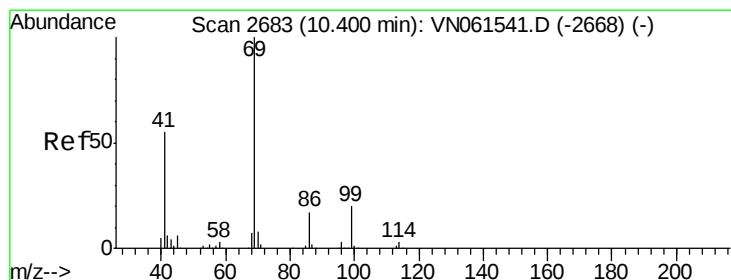
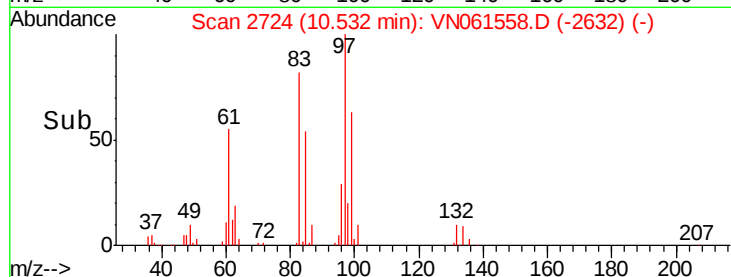
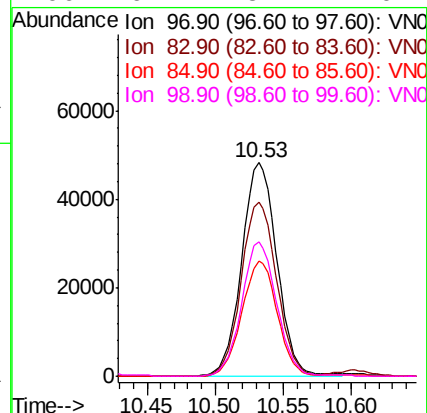
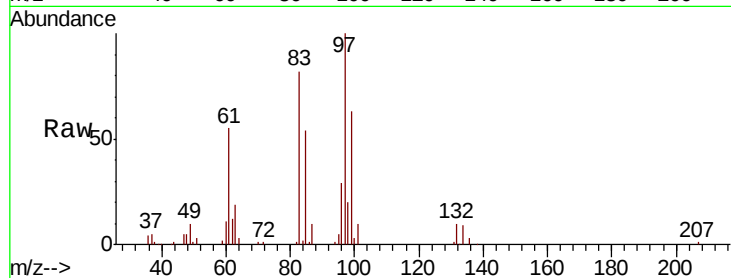


#55
 1,1,2-Trichloroethane
 Concen: 20.320 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 86613

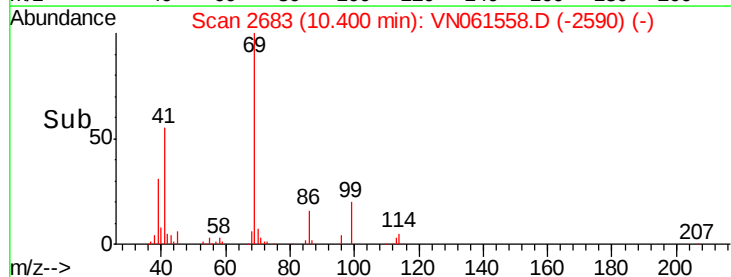
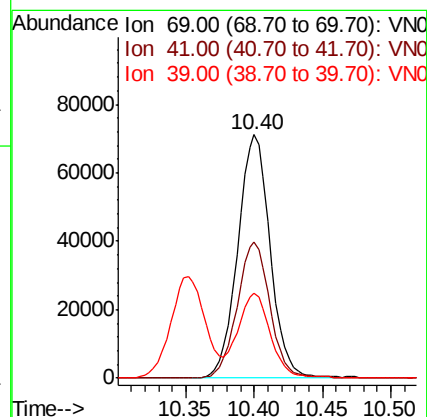
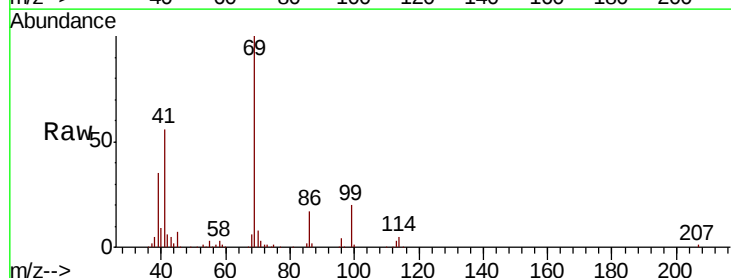
Ion	Ratio	Lower	Upper
97	100		
83	81.5	68.1	102.1
85	54.0	44.1	66.1
99	62.7	51.1	76.7

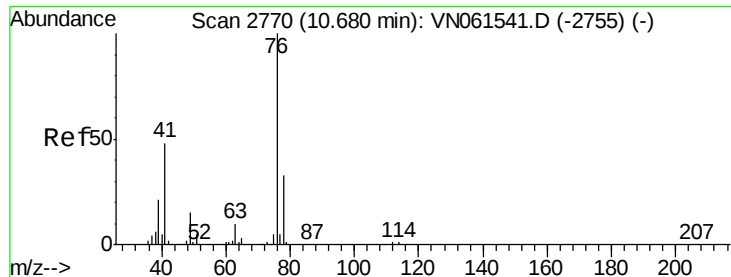


#56
 Ethyl methacrylate
 Concen: 19.732 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion: 69 Resp: 117494

Ion	Ratio	Lower	Upper
69	100		
41	55.7	43.5	65.3
39	34.3	27.0	40.6





#57

1,3-Dichloropropane

Concen: 20.389 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

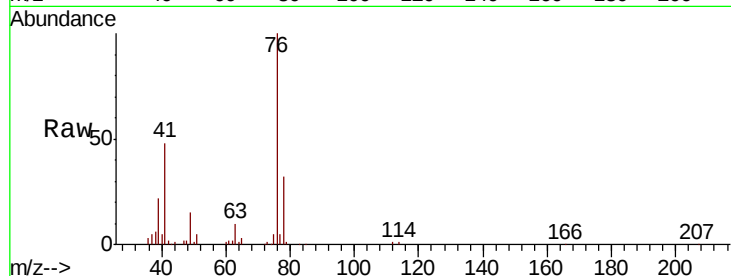
ClientSampleId :

Tot Ion: 76 Resp: 139003

Ion Ratio Lower Upper

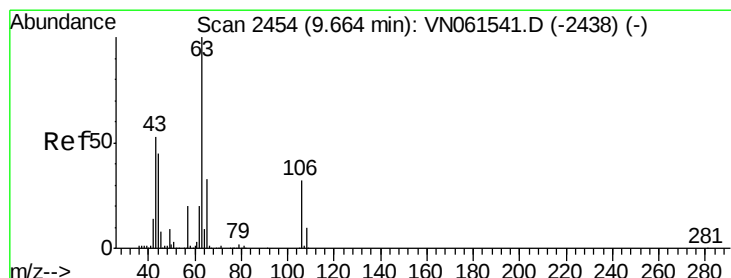
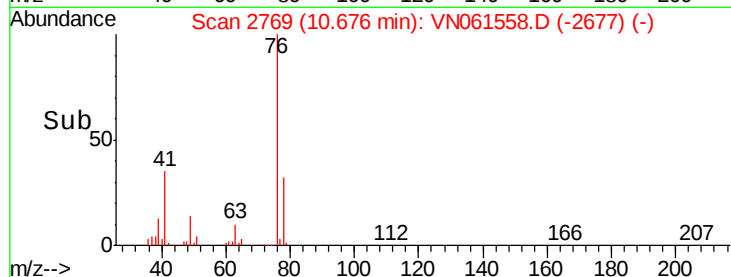
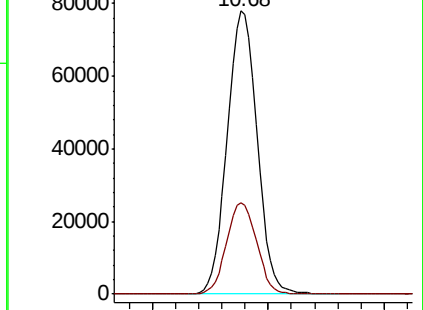
76 100

78 32.5 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VN061541.D (-2755) (-)

Ion 77.90 (77.60 to 78.60): VN061541.D (-2755) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 102.203 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN061558.D

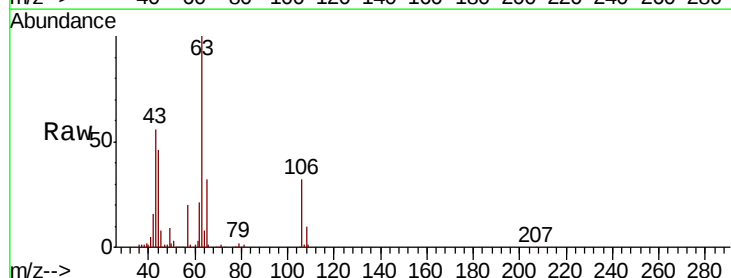
Acq: 29 May 2020 11:35

Tgt Ion: 63 Resp: 260062

Ion Ratio Lower Upper

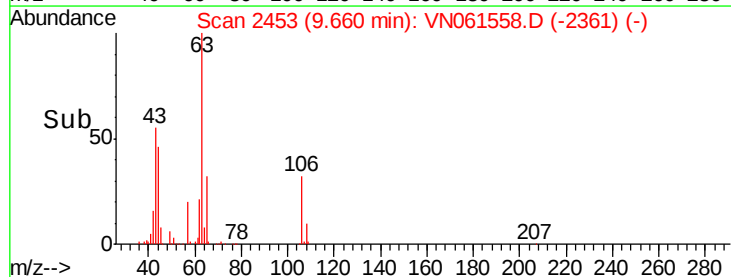
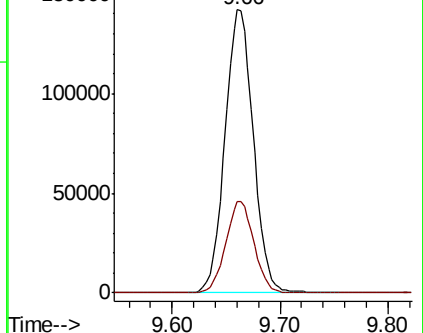
63 100

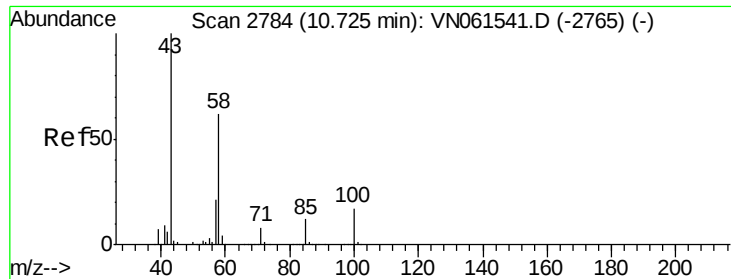
106 32.0 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VN061541.D (-2438) (-)

Ion 105.90 (105.60 to 106.60): VN061541.D (-2438) (-)

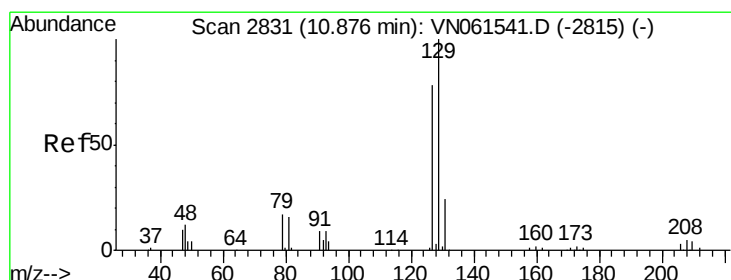
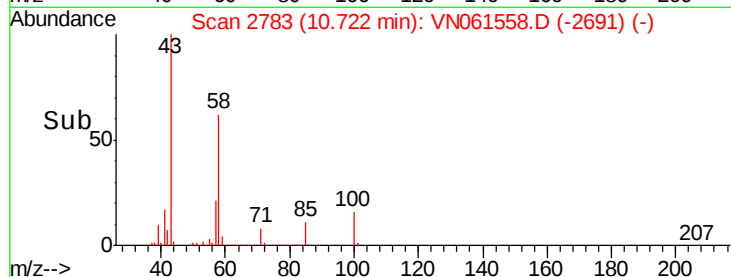
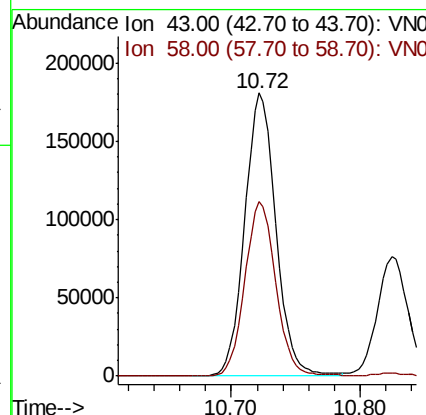
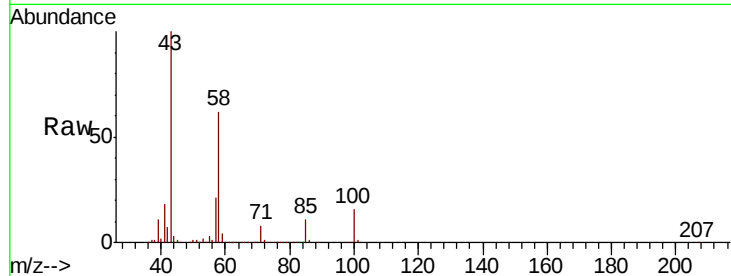




#59
2-Hexanone
Concen: 97.656 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

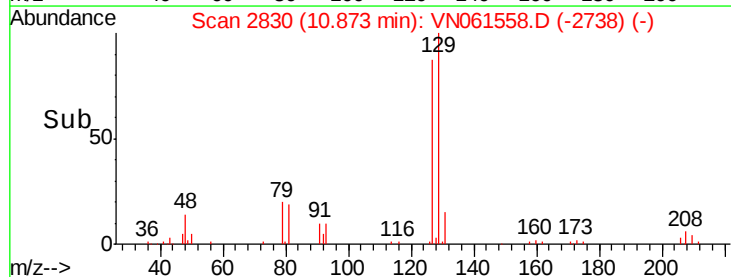
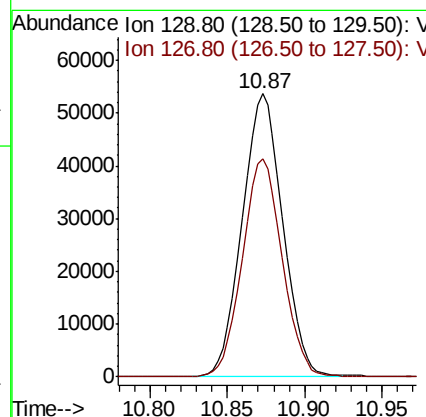
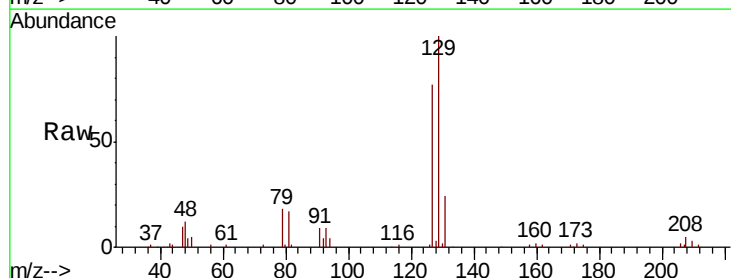
Instrument :
MSVOA_N
ClientSampled :

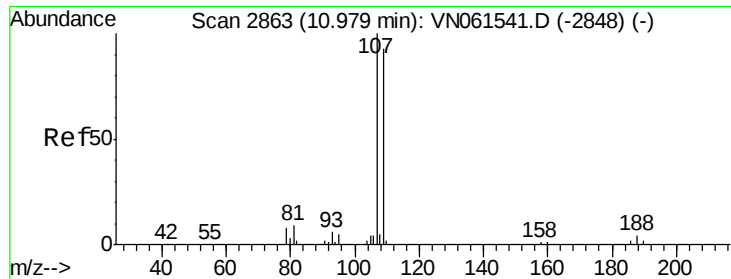
Tot Ion: 43 Resp: 304264
Ion Ratio Lower Upper
43 100
58 61.4 30.7 92.1



#60
Dibromochloromethane
Concen: 20.167 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion: 129 Resp: 97730
Ion Ratio Lower Upper
129 100
127 75.7 38.8 116.3





#61

1,2-Dibromoethane

Concen: 20.018 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

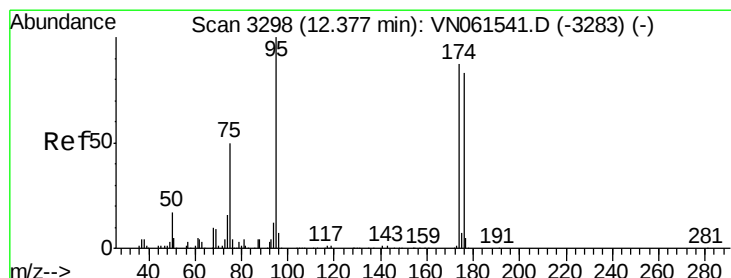
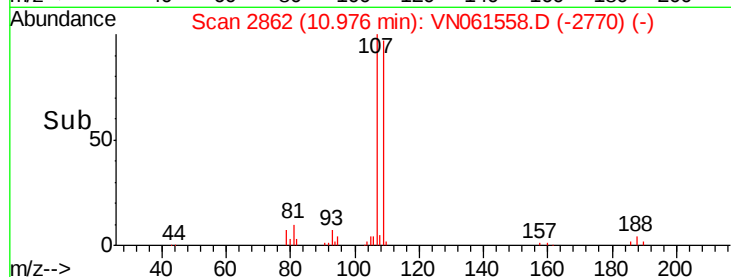
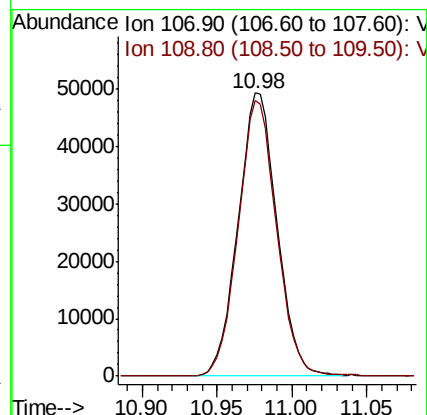
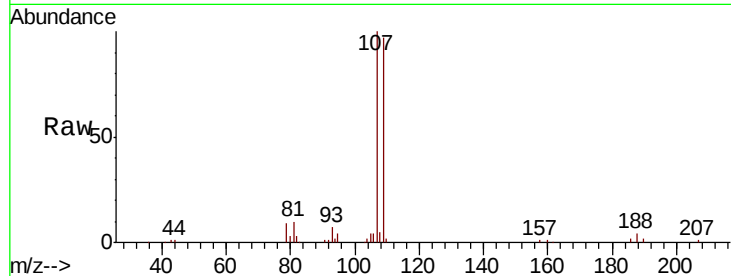
ClientSampled :

Tot Ion:107 Resp: 88994

Ion Ratio Lower Upper

107 100

109 96.3 76.1 114.1



#62

4-Bromofluorobenzene

Concen: 51.865 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

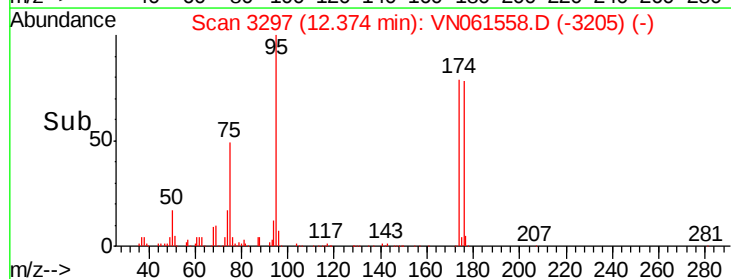
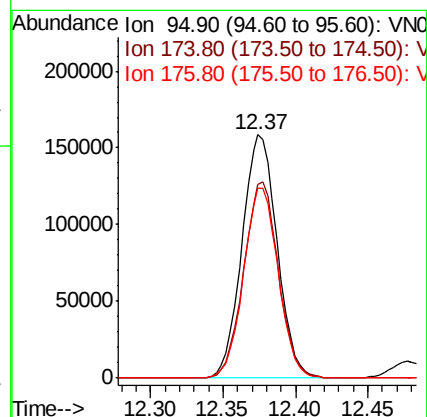
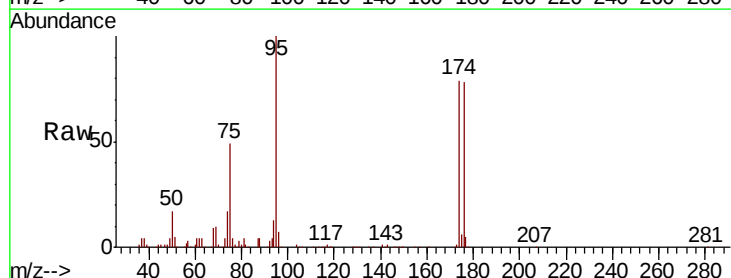
Tgt Ion: 95 Resp: 266954

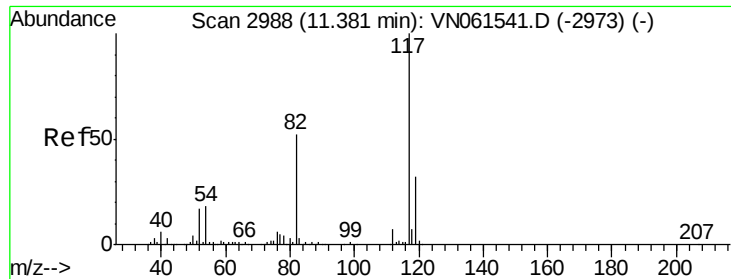
Ion Ratio Lower Upper

95 100

174 79.6 0.0 172.8

176 77.3 0.0 164.8

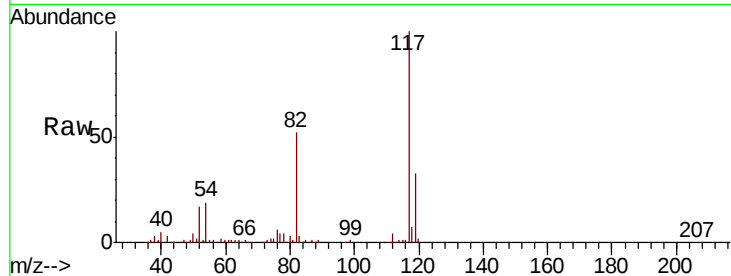




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.5	62.3
119	32.7	25.6	38.4

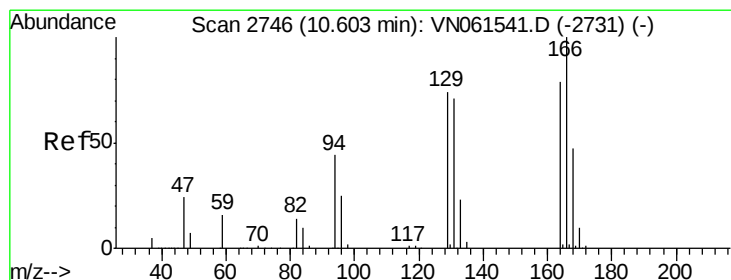
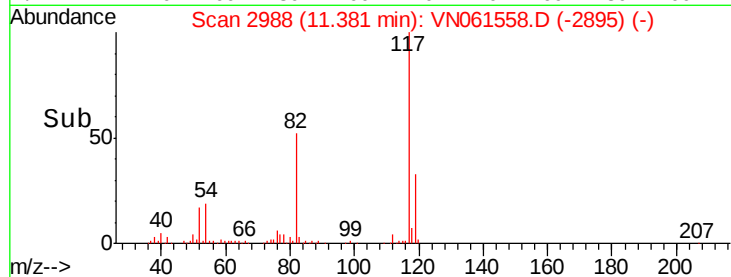
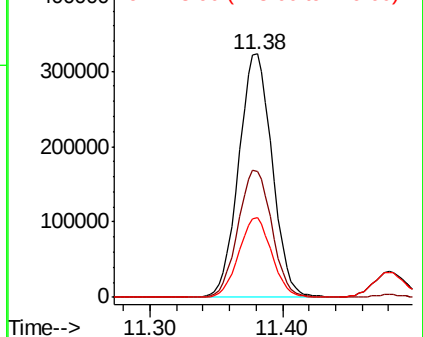


Abundance

Ion 116.90 (116.60 to 117.60): V

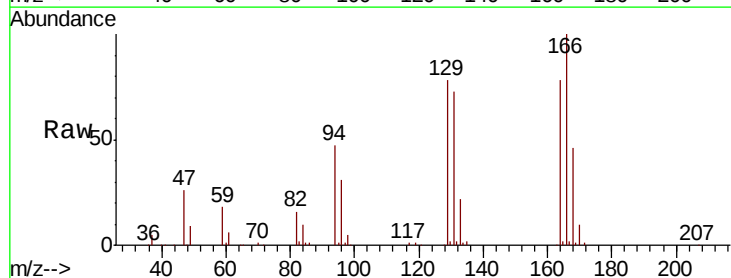
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.836 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	101.5	152.3
129	99.4	74.9	112.3
131	93.0	72.2	108.2



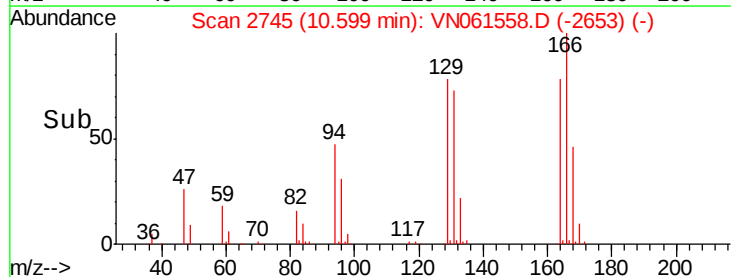
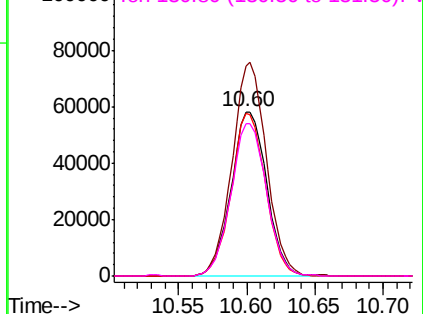
Abundance

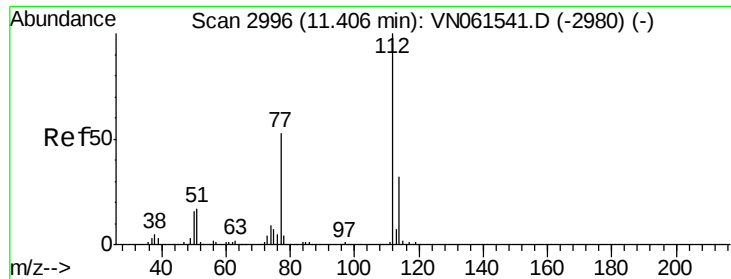
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.102 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

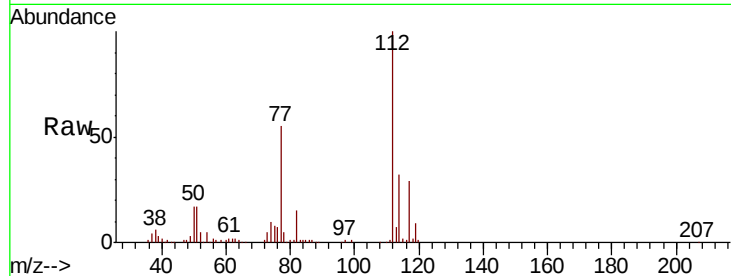
ClientSampleId :

Tot Ion:112 Resp: 236286

Ion Ratio Lower Upper

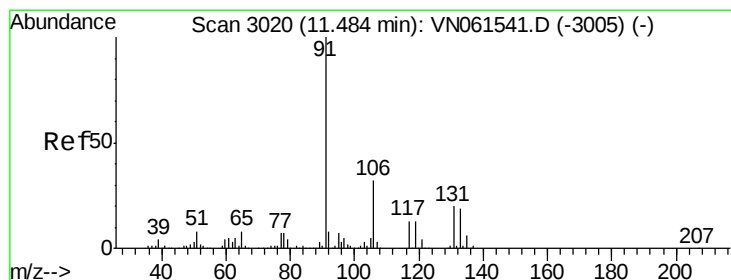
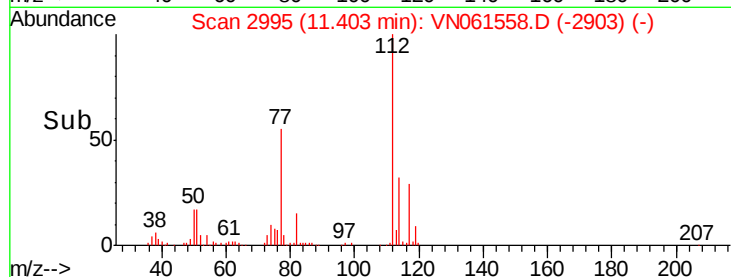
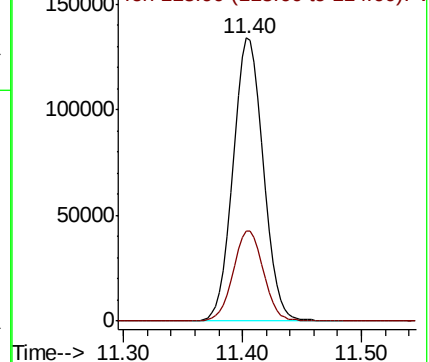
112 100

114 31.8 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.033 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

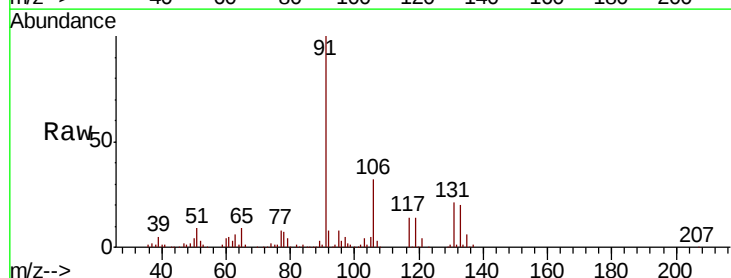
Tgt Ion:131 Resp: 87680

Ion Ratio Lower Upper

131 100

133 94.3 47.4 142.2

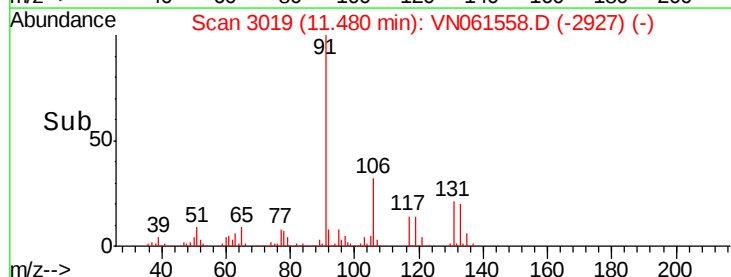
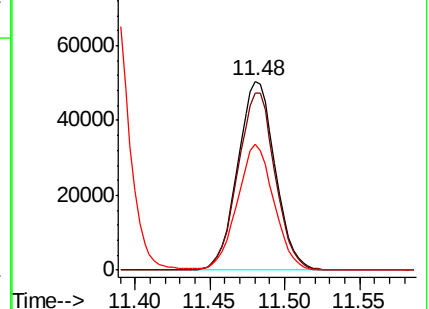
119 65.7 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

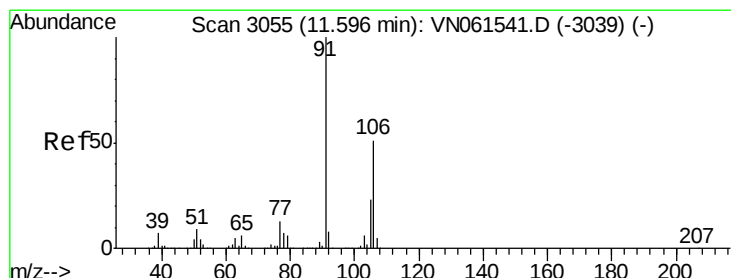
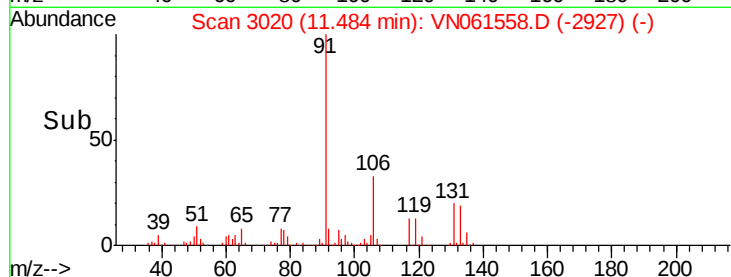
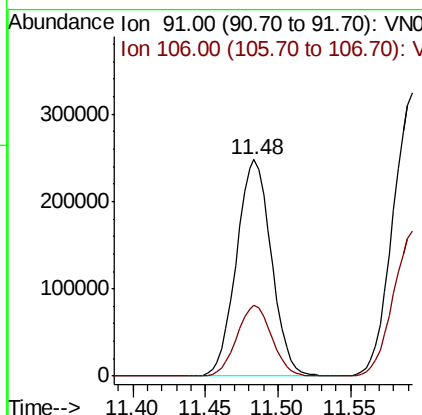
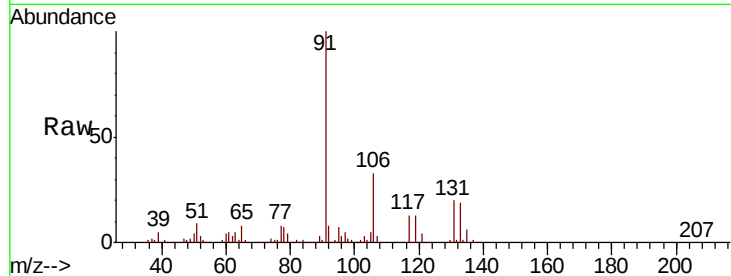




#67
Ethyl Benzene
Concen: 20.438 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

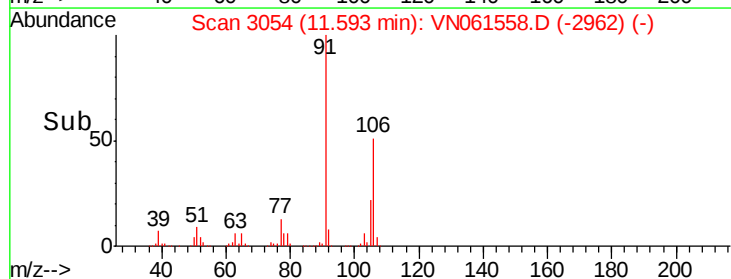
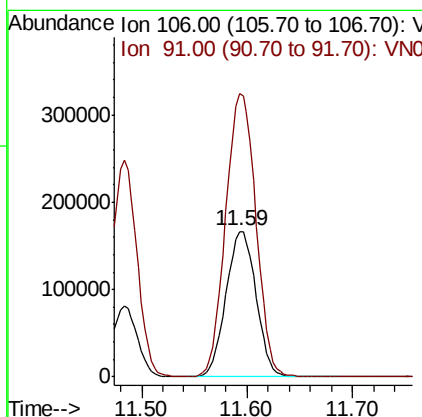
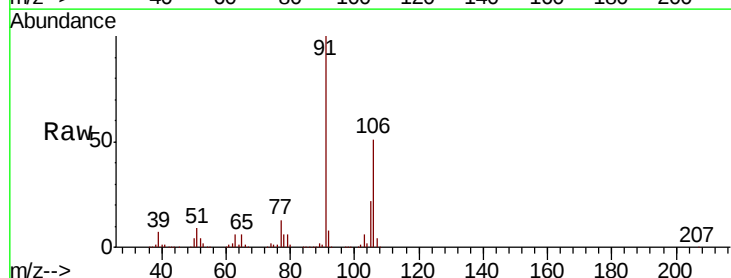
Instrument :
MSVOA_N
ClientSampled :

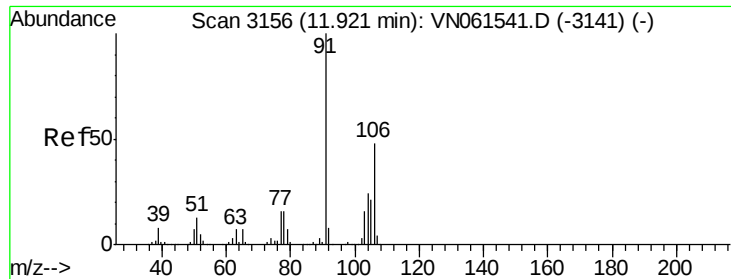
Tot Ion: 91 Resp: 415229
Ion Ratio Lower Upper
91 100
106 32.6 25.6 38.4



#68
m/p-Xylenes
Concen: 40.849 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion: 106 Resp: 329062
Ion Ratio Lower Upper
106 100
91 195.7 156.2 234.4

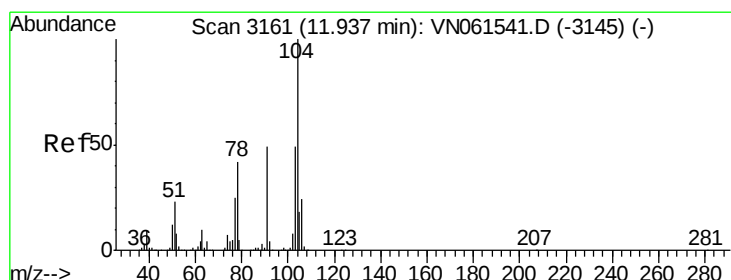
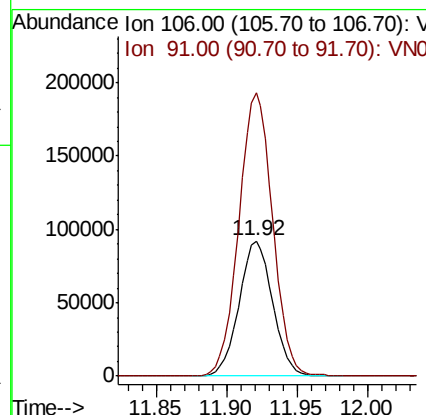
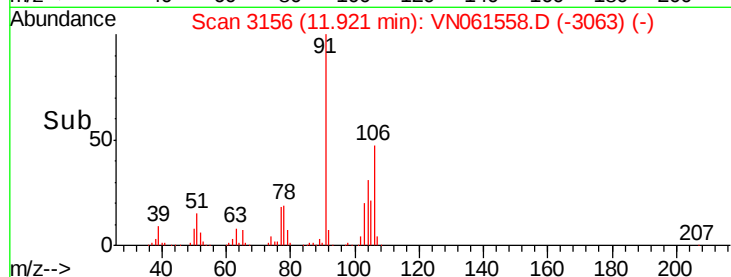
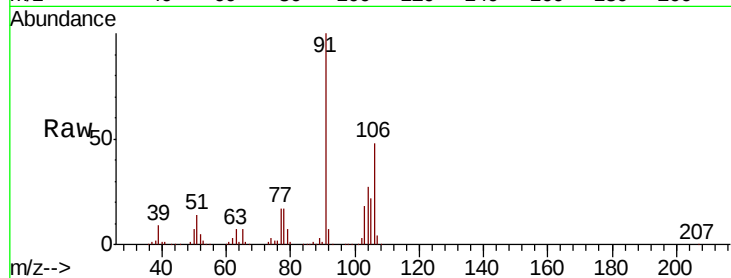




#69
o-Xylene
Concen: 20.051 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

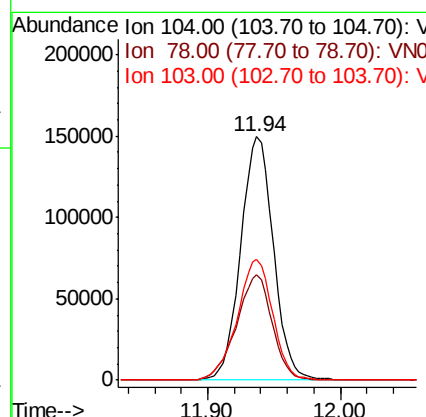
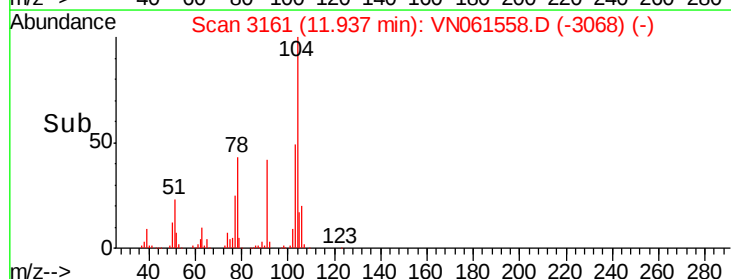
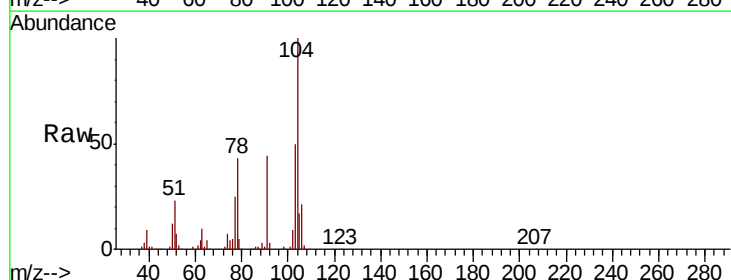
Instrument :
MSVOA_N
ClientSampled :

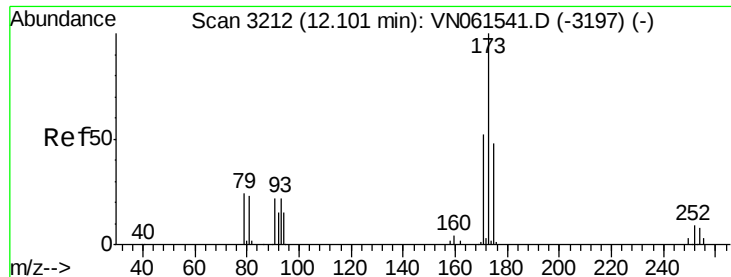
Tot Ion:106 Resp: 153415
Ion Ratio Lower Upper
106 100
91 211.6 103.3 309.8



#70
Styrene
Concen: 20.266 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion:104 Resp: 256791
Ion Ratio Lower Upper
104 100
78 47.2 37.4 56.0
103 53.9 42.3 63.5





#71

Bromoform

Concen: 18.469 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

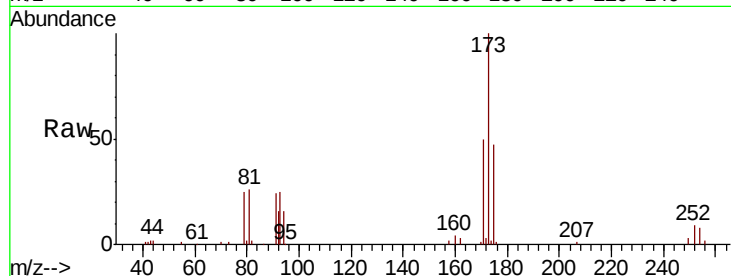
Tot Ion:173 Resp: 62289

Ion Ratio Lower Upper

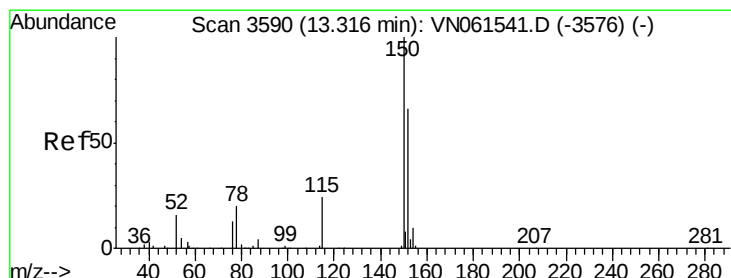
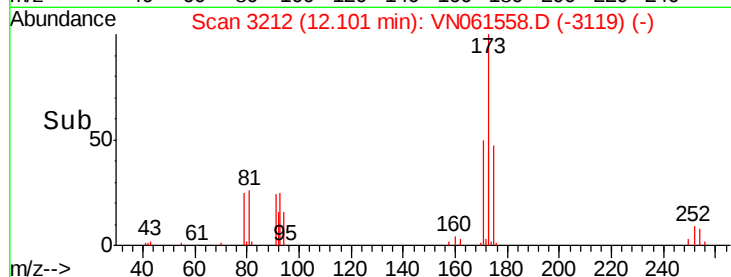
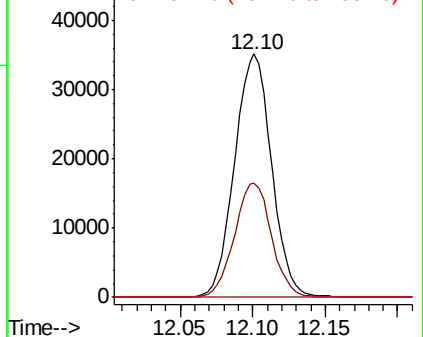
173 100

175 46.9 24.4 73.2

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: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

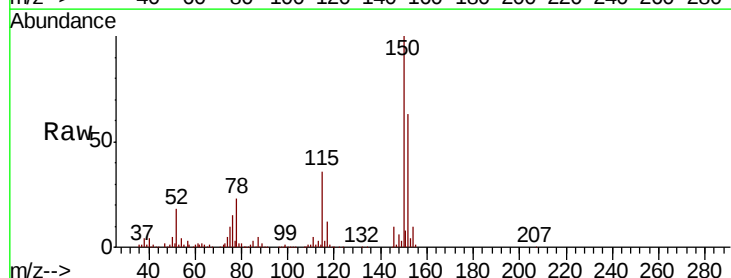
Tgt Ion:152 Resp: 274284

Ion Ratio Lower Upper

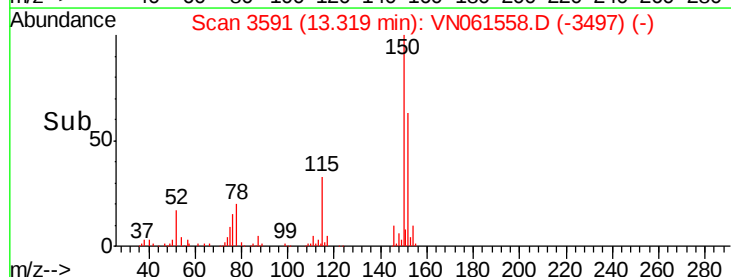
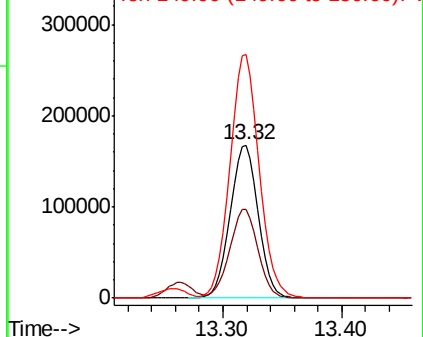
152 100

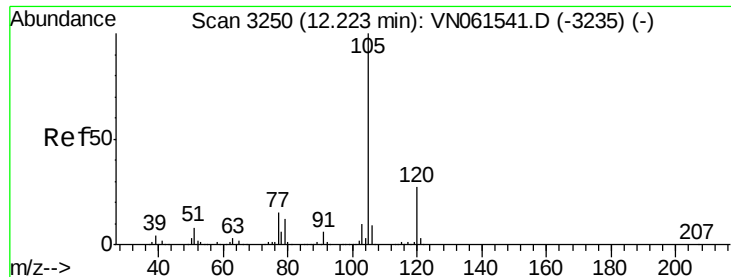
115 58.1 28.0 84.0

150 165.5 0.0 344.0



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





#73

Isopropylbenzene

Concen: 20.811 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

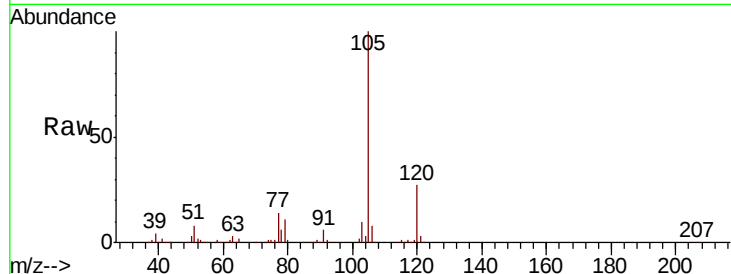
ClientSampled :

Tot Ion:105 Resp: 416617

Ion Ratio Lower Upper

105 100

120 27.0 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

250000

200000

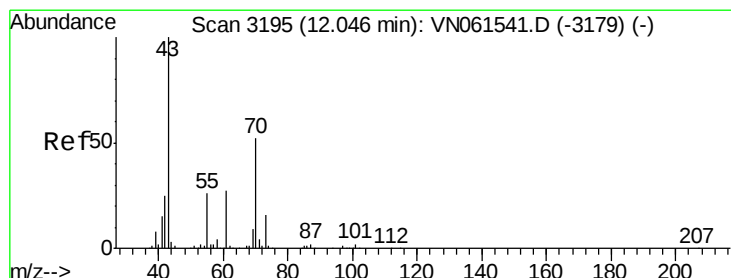
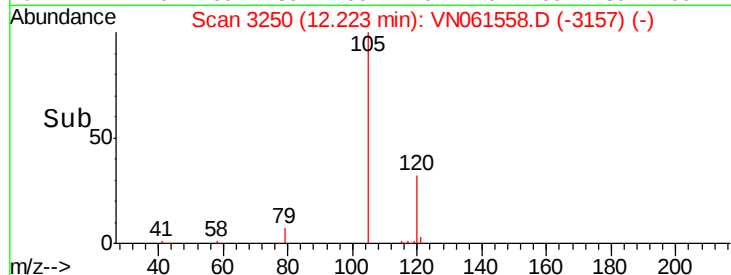
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.778 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Tgt Ion: 43 Resp: 124693

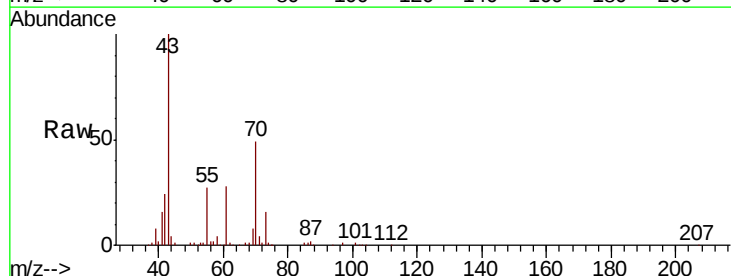
Ion Ratio Lower Upper

43 100

70 50.0 40.5 60.7

55 26.3 20.6 31.0

61 27.4 21.8 32.6



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

120000

100000

80000

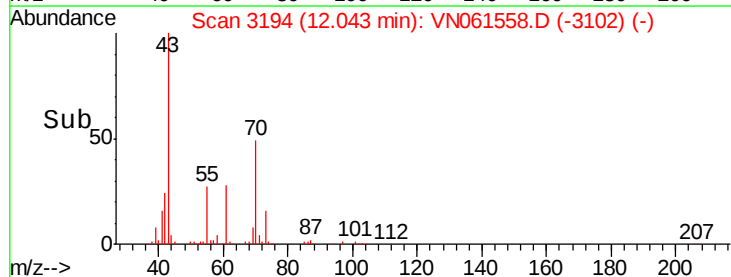
60000

40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.660 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

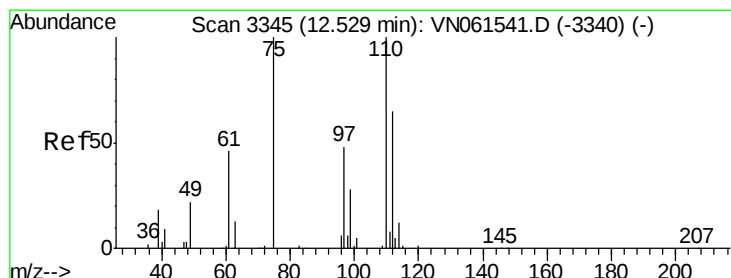
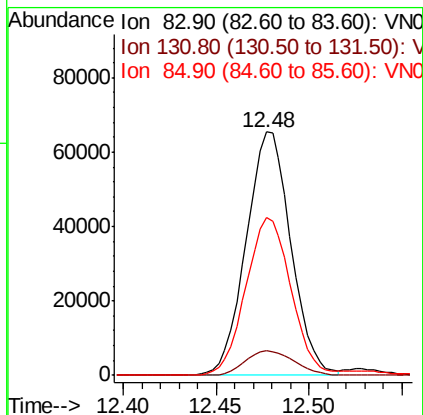
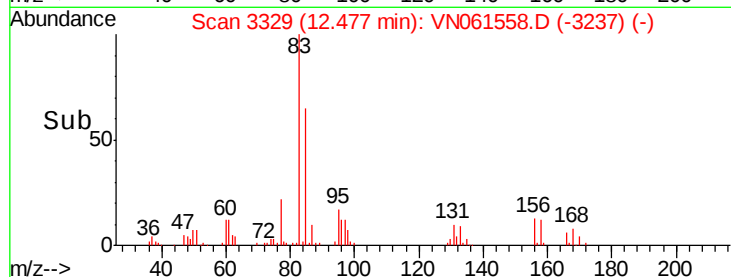
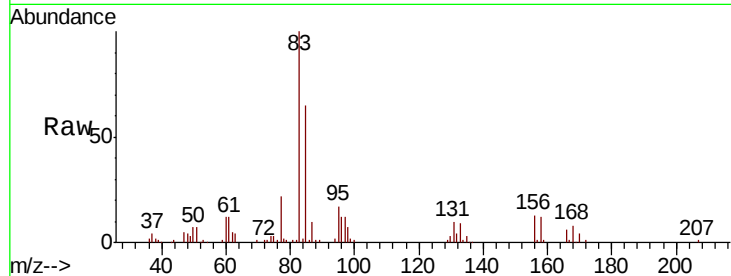
Tot Ion: 83 Resp: 110290

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.5

85 65.4 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 28.894 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061558.D

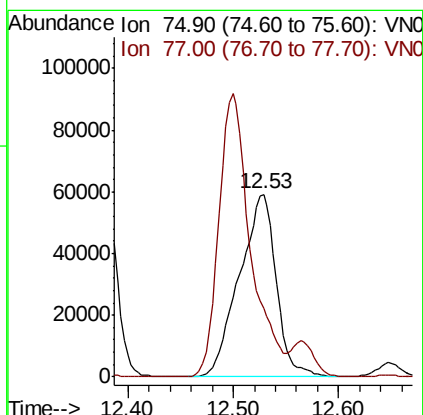
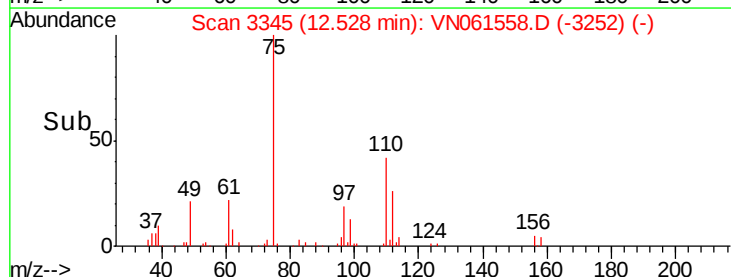
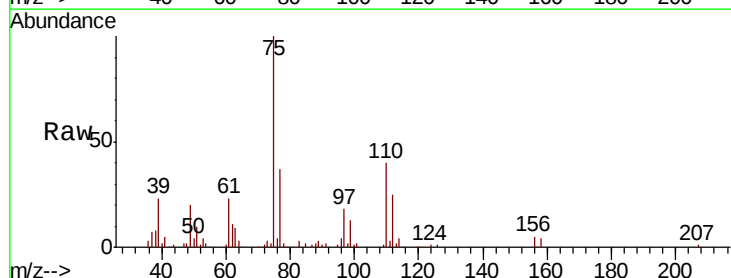
Acq: 29 May 2020 11:35

Tgt Ion: 75 Resp: 144111

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.891 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

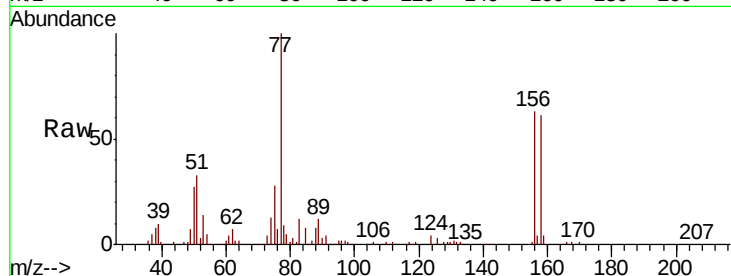
Tot Ion:156 Resp: 101645

Ion Ratio Lower Upper

156 100

77 189.0 90.9 272.7

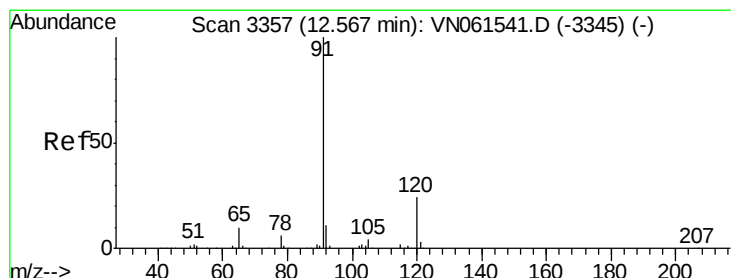
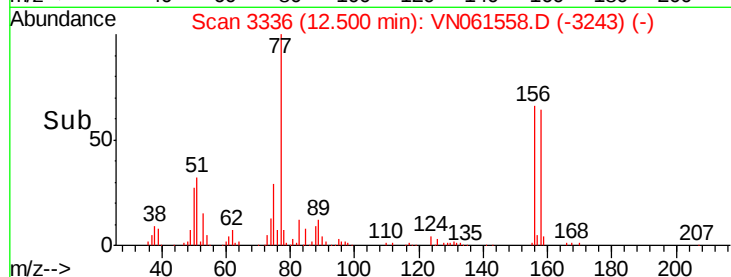
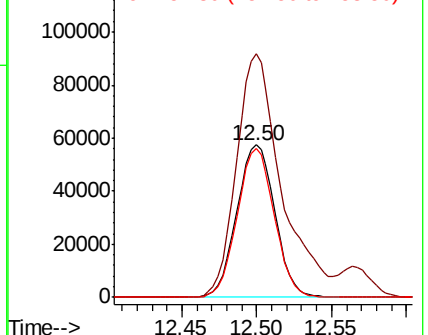
158 95.2 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.906 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061558.D

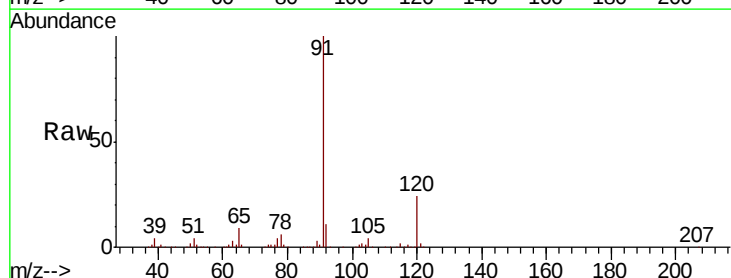
Acq: 29 May 2020 11:35

Tgt Ion: 91 Resp: 467216

Ion Ratio Lower Upper

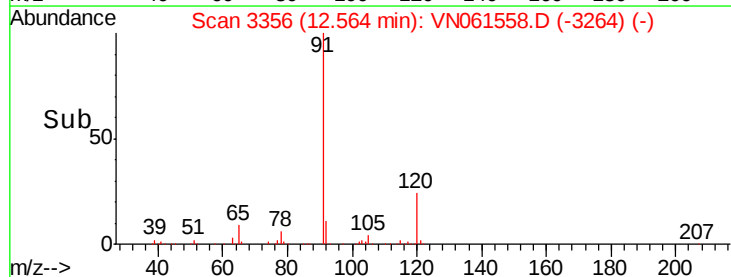
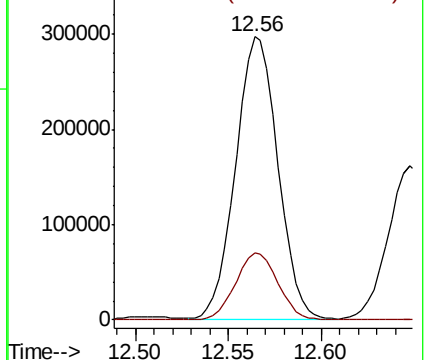
91 100

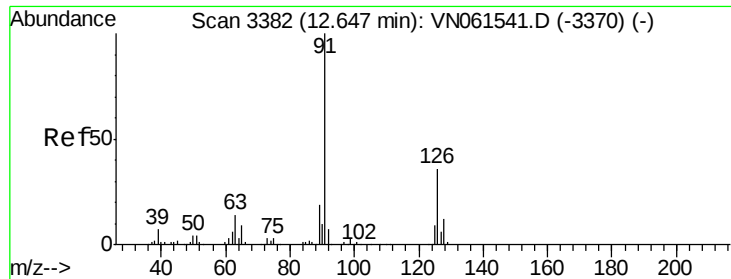
120 23.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

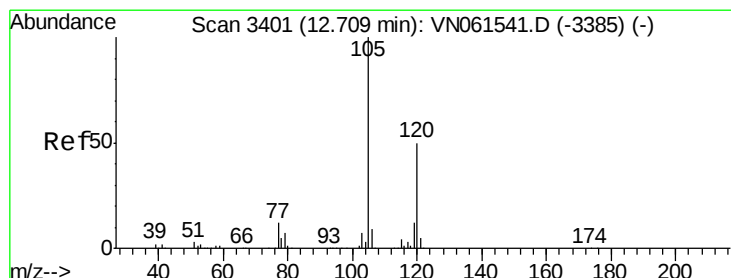
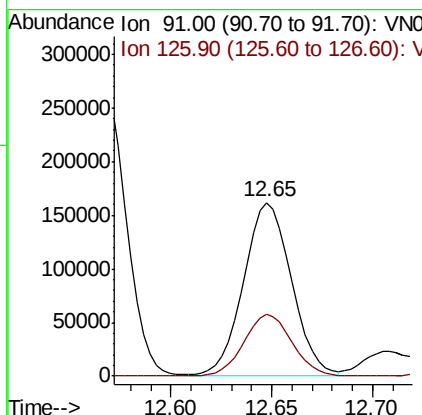
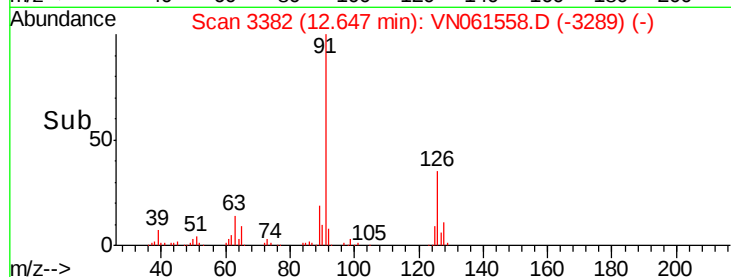
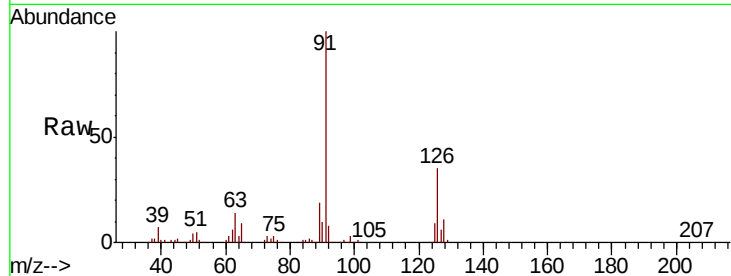




#79
 2-Chlorotoluene
 Concen: 20.077 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

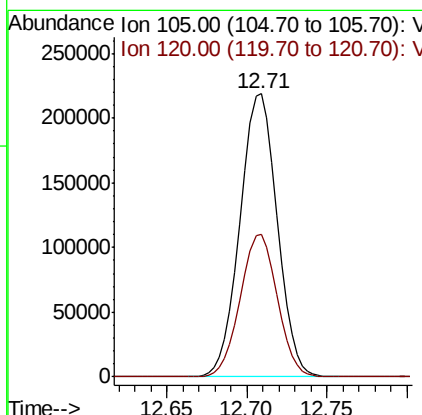
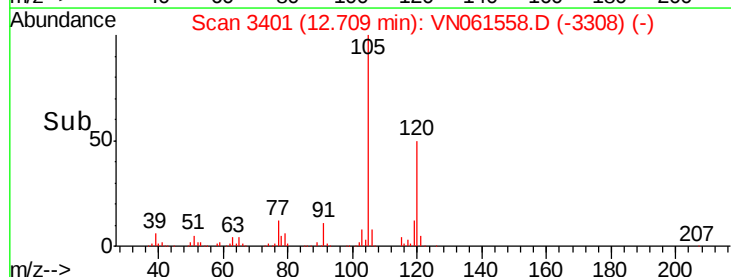
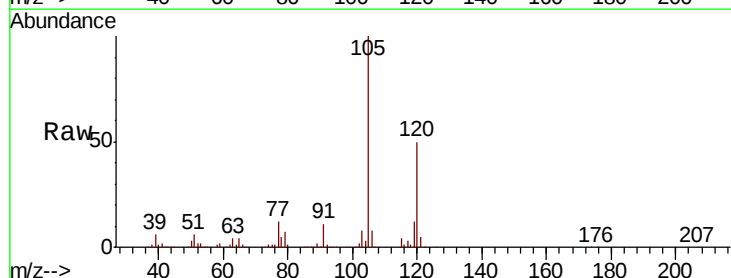
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 267548
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.696 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion:105 Resp: 346291
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.480 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampled :

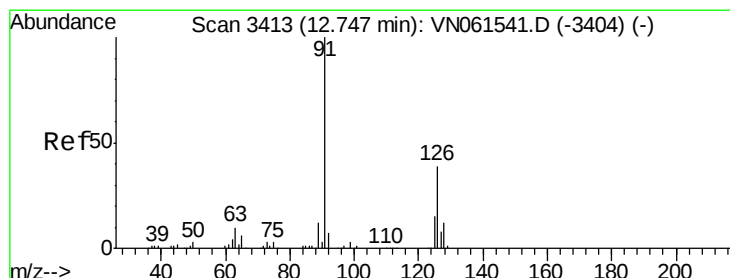
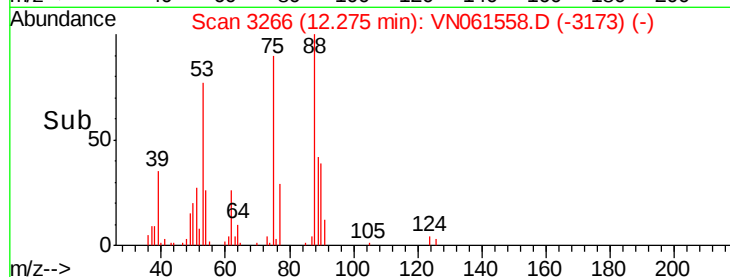
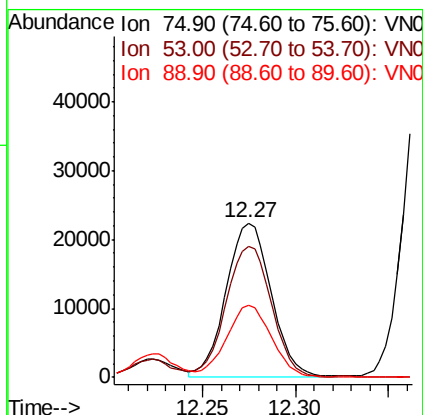
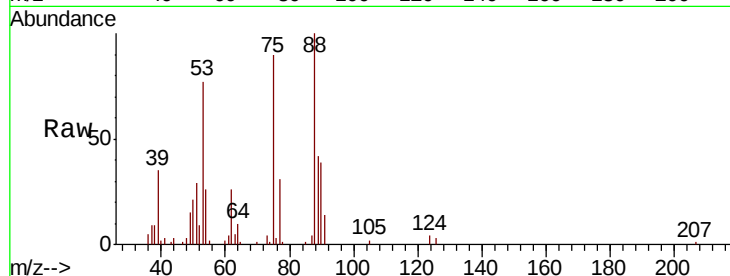
Tot Ion: 75 Resp: 37992

Ion Ratio Lower Upper

75 100

53 85.7 67.8 101.8

89 46.4 37.1 55.7



#82

4-Chlorotoluene

Concen: 20.099 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061558.D

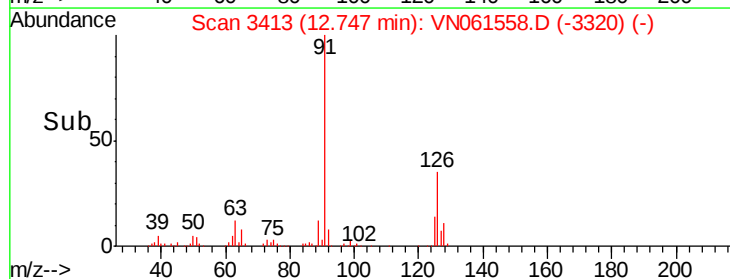
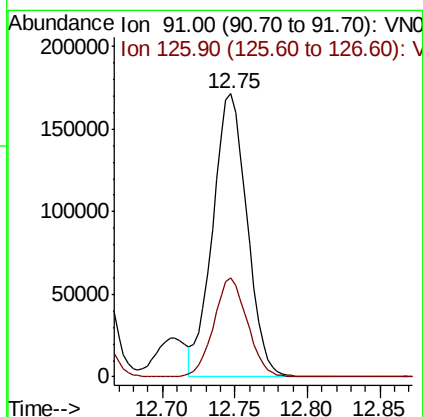
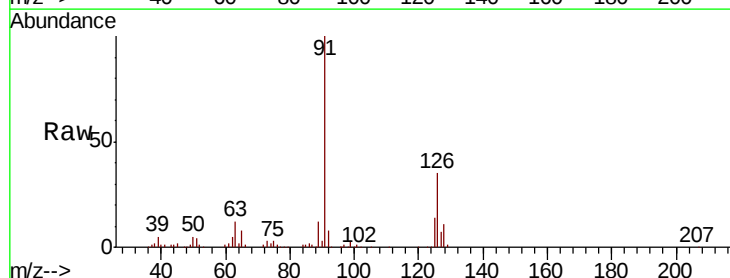
Acq: 29 May 2020 11:35

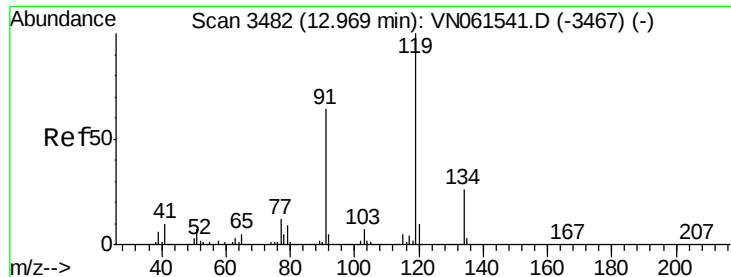
Tgt Ion: 91 Resp: 281771

Ion Ratio Lower Upper

91 100

126 34.4 17.5 52.6

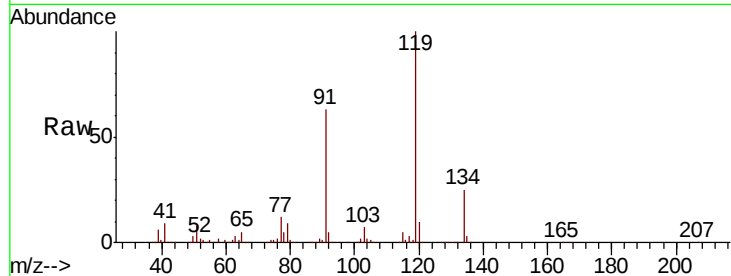




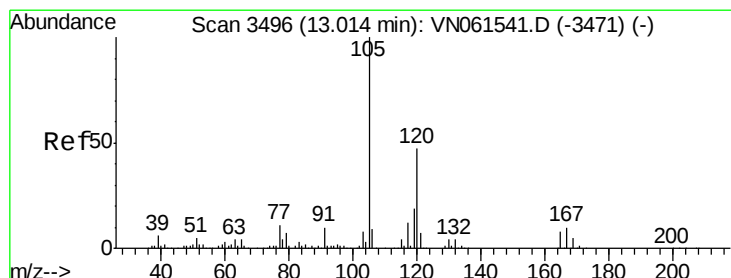
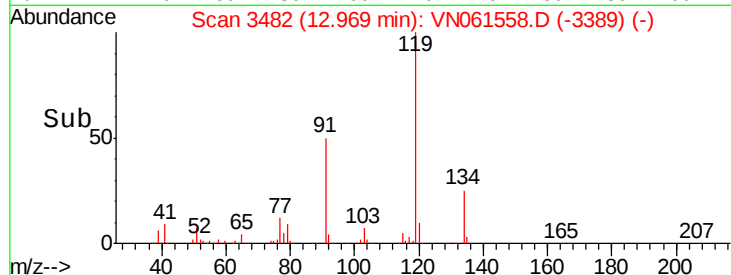
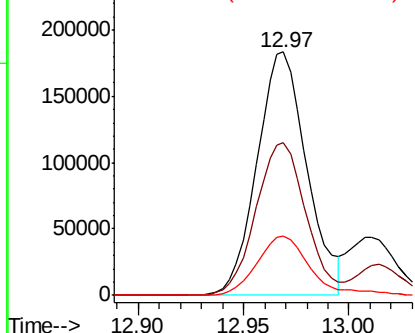
#83
tert-Butylbenzene
Concen: 20.383 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 301331
Ion Ratio Lower Upper
119 100
91 63.2 31.3 93.8
134 26.1 13.5 40.4

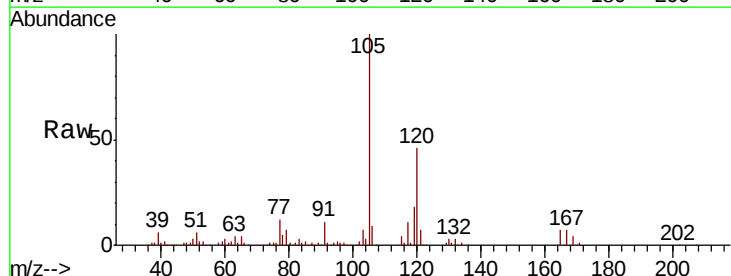


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

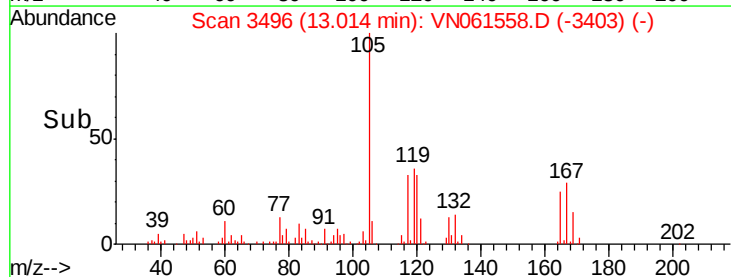
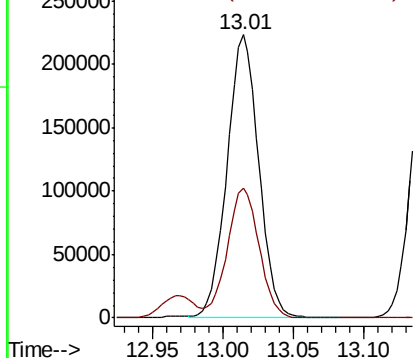


#84
1,2,4-Trimethylbenzene
Concen: 21.018 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion:105 Resp: 349369
Ion Ratio Lower Upper
105 100
120 46.4 23.2 69.5



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





#85

sec-Butylbenzene

Concen: 20.888 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

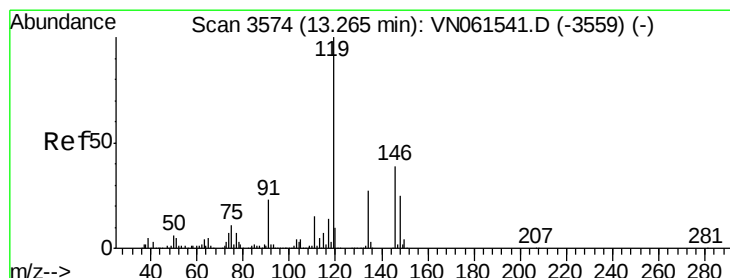
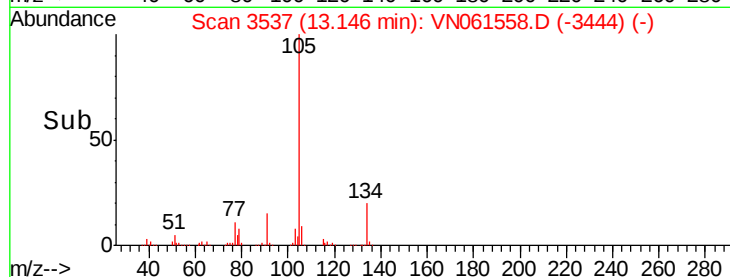
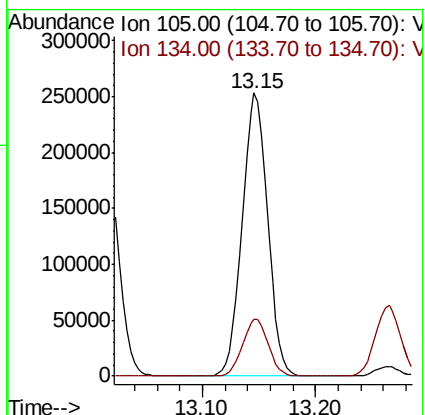
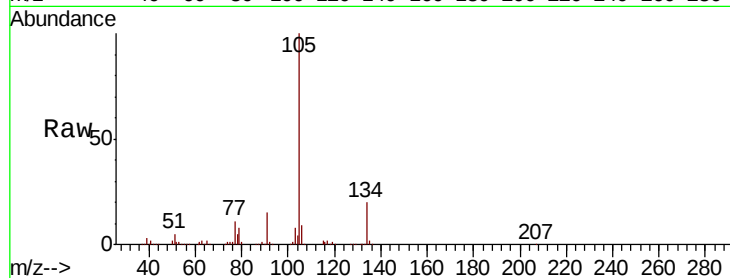
ClientSampled :

Tot Ion:105 Resp: 397916

Ion Ratio Lower Upper

105 100

134 20.3 10.7 31.9



#86

p-Isopropyltoluene

Concen: 20.939 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

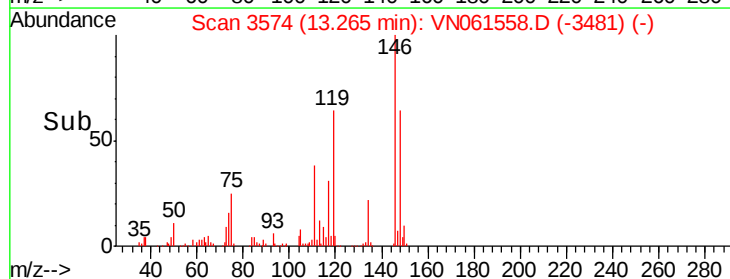
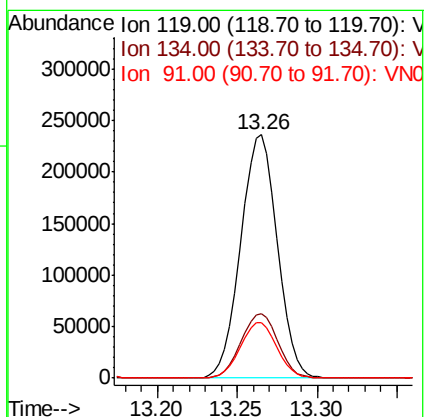
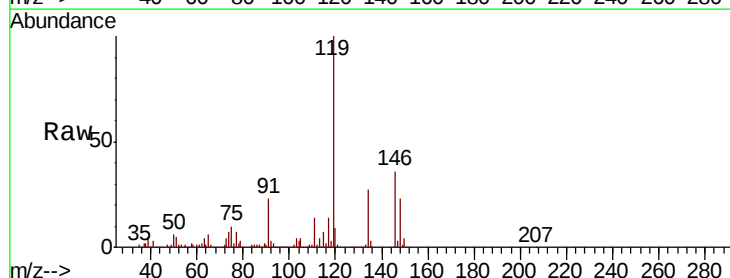
Tgt Ion:119 Resp: 367341

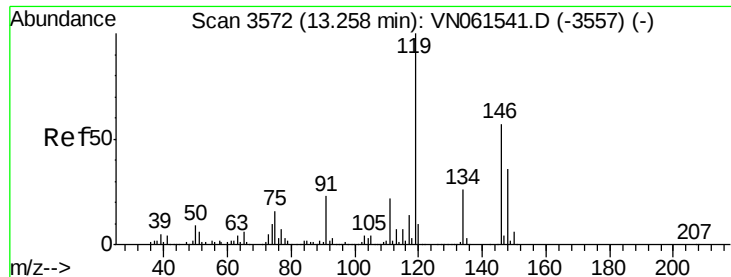
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

91 22.8 11.4 34.1

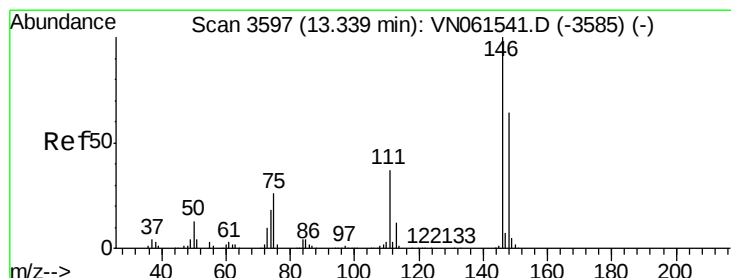
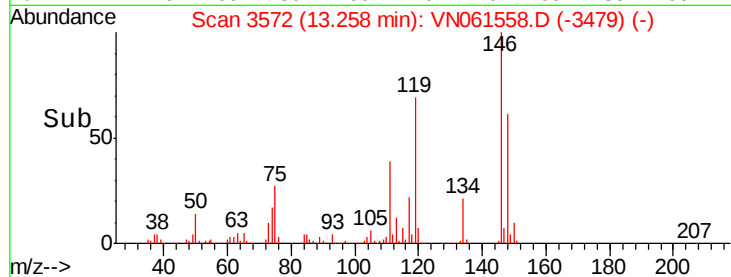
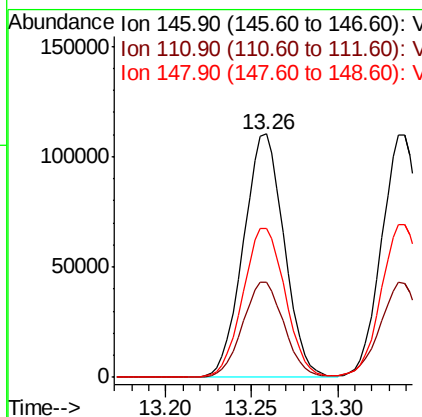
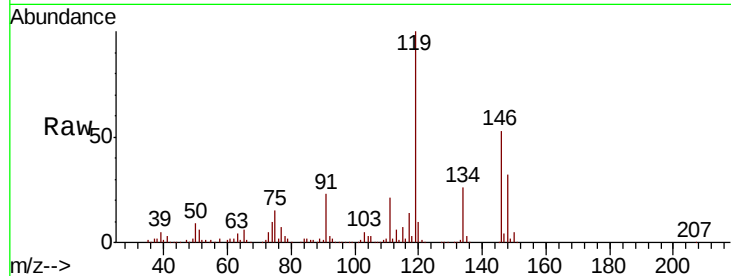




#87
 1,3-Dichlorobenzene
 Concen: 20.043 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

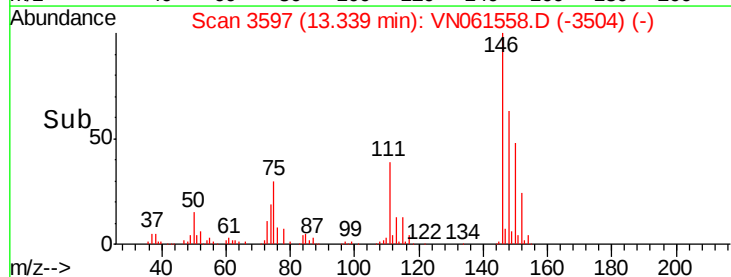
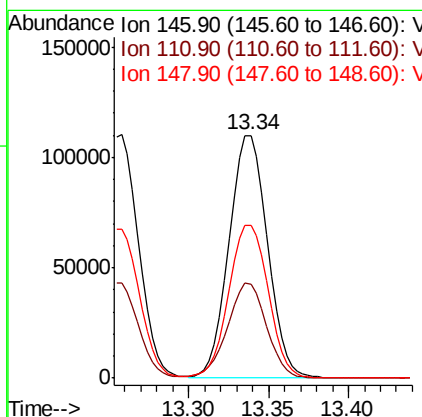
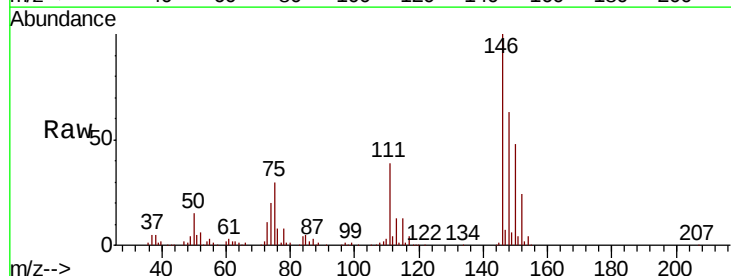
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 181367
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.2 57.6
 148 63.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.444 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion:146 Resp: 179243
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.9 56.9
 148 65.3 31.8 95.3

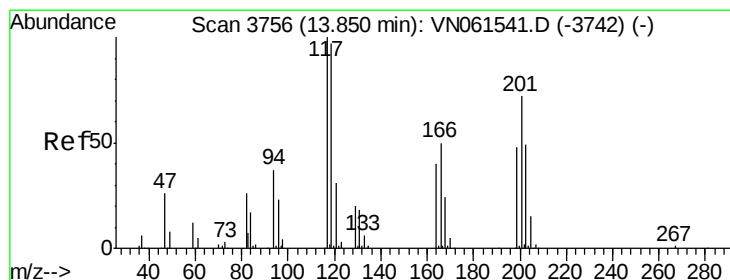
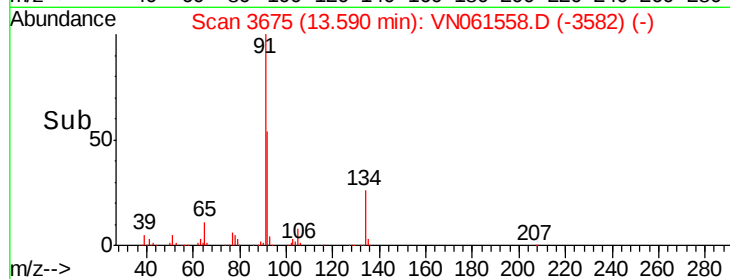
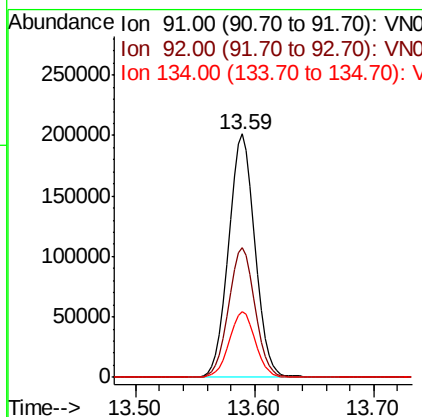
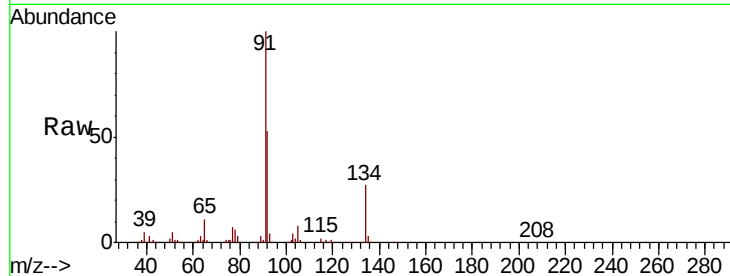




#89
n-Butylbenzene
Concen: 21.037 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

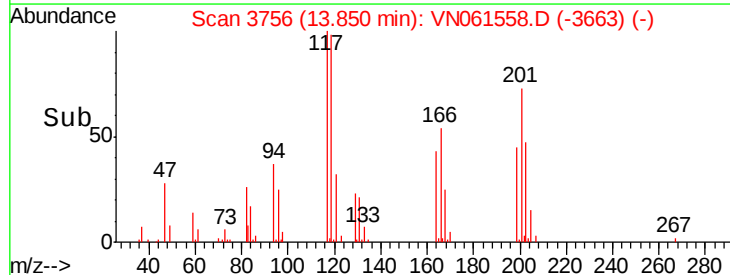
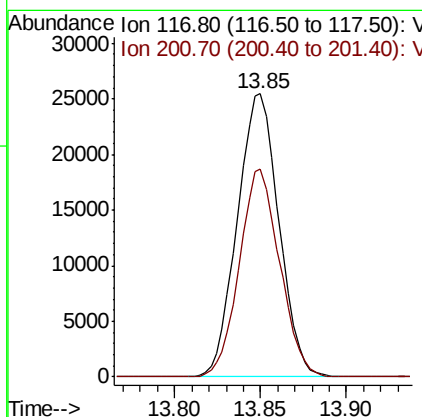
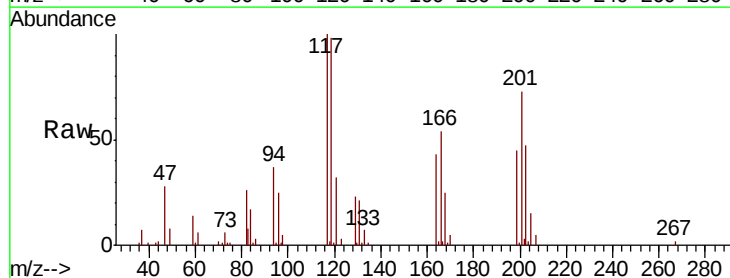
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 309123
Ion Ratio Lower Upper
91 100
92 53.4 27.2 81.6
134 26.7 14.0 42.0



#90
Hexachloroethane
Concen: 21.966 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion: 117 Resp: 42618
Ion Ratio Lower Upper
117 100
201 71.3 36.7 110.1

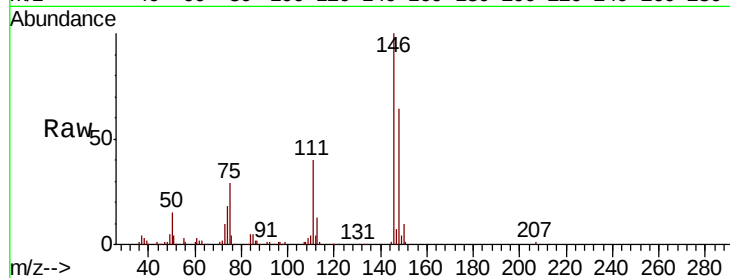




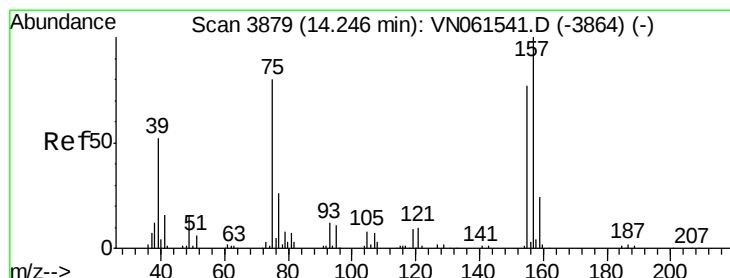
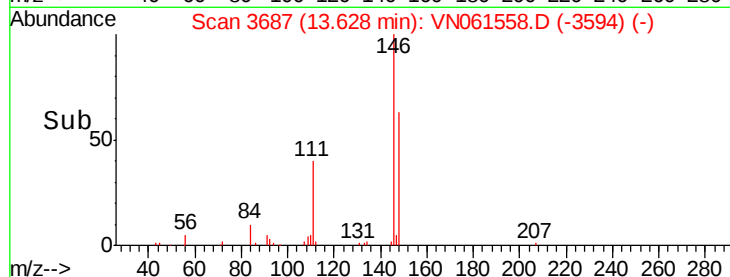
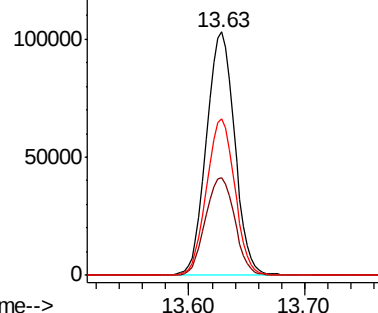
#91
 1,2-Dichlorobenzene
 Concen: 20.078 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.1	60.2
148	64.0	31.9	95.5

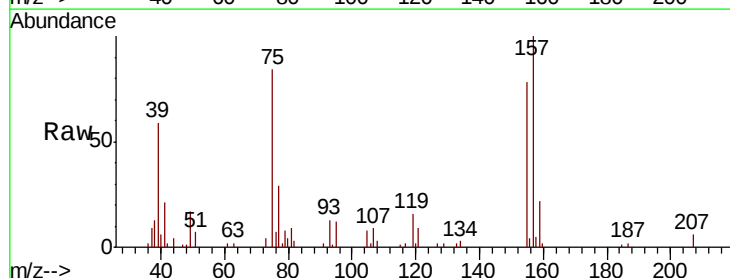


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

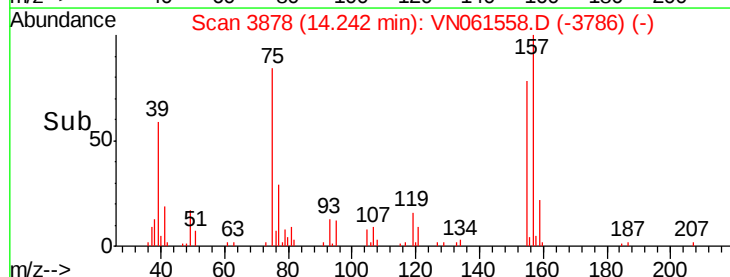
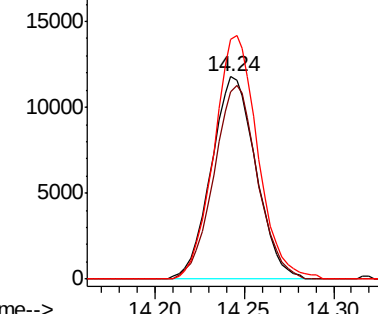


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.996 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	47.1	141.4
157	117.7	60.3	180.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

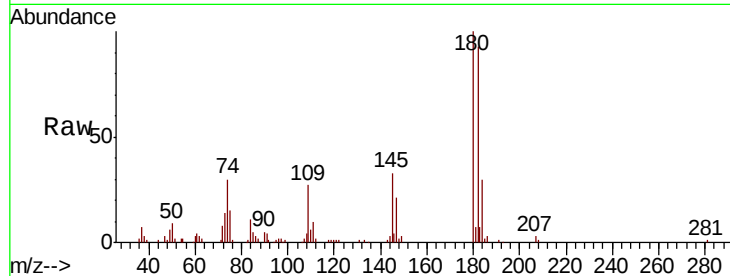




#93
 1,2,4-Trichlorobenzene
 Concen: 19.182 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.3
145	32.3	15.5	46.5

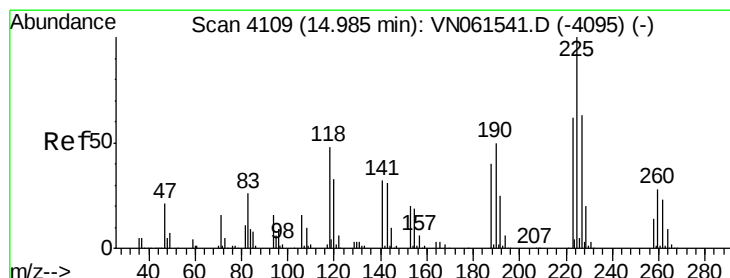
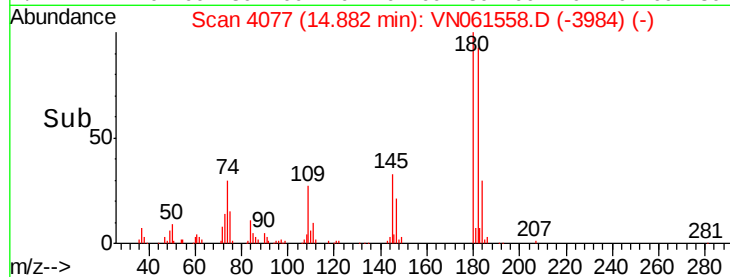
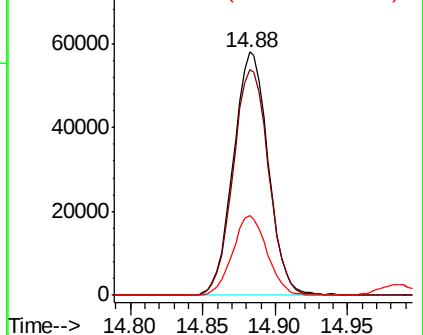


Abundance

Ion 179.80 (179.50 to 180.50): V

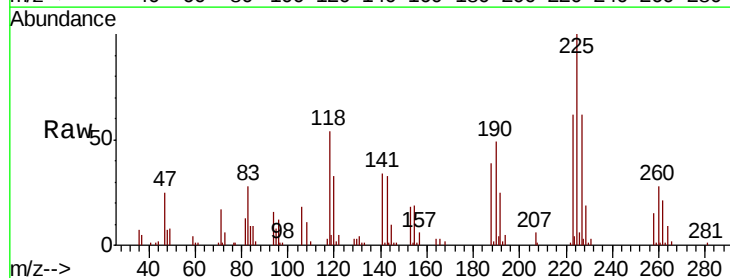
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.142 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	60.6	31.9	95.9

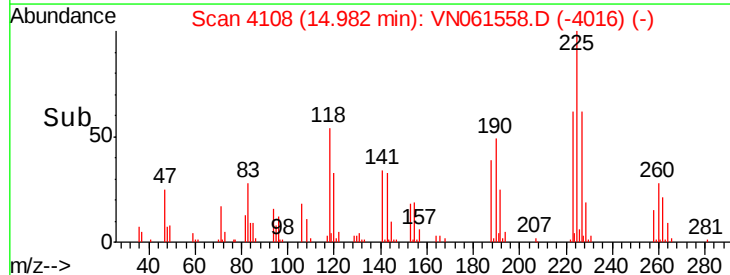
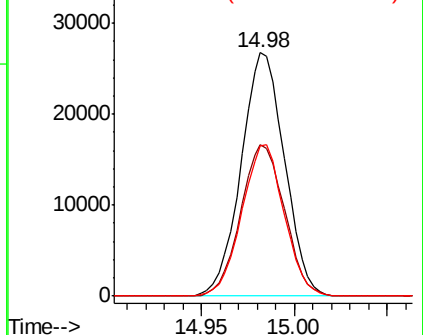


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.679 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampled :

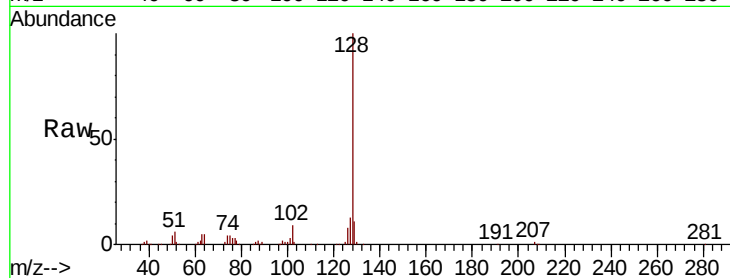
Tot Ion:128 Resp: 287531

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

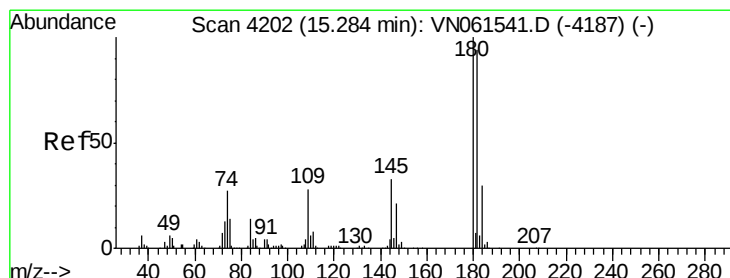
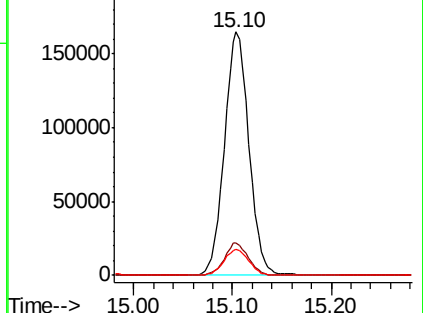
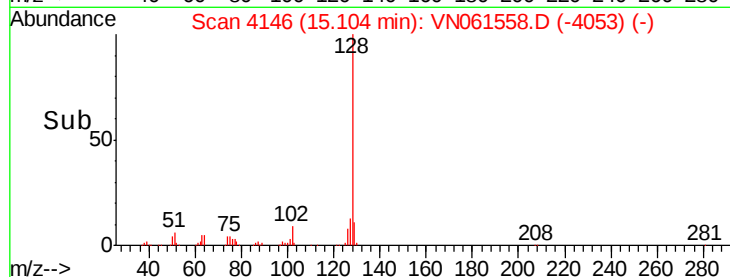
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.236 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

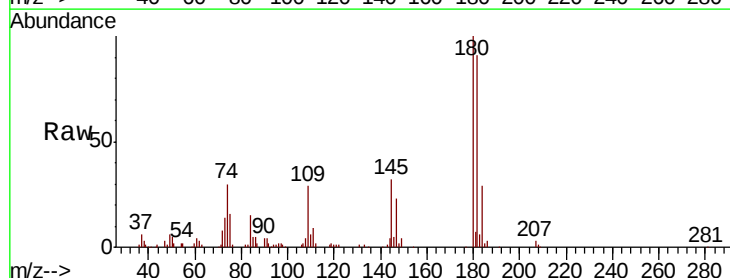
Tgt Ion:180 Resp: 95650

Ion Ratio Lower Upper

180 100

182 91.7 47.1 141.3

145 33.9 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

