

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070220\
 Data File : VN062358.D
 Acq On : 3 Jul 2020 1:21
 Operator : JC/MD
 Sample : L3127-07MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 04:32:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	133710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	259164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	247078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	118616	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	113138	60.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.60%	
35) Dibromofluoromethane	7.55	113	85278	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	10.06	98	340609	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.37	95	118904	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	62125	41.105	ug/l	98
3) Chloromethane	2.03	50	101687	57.346	ug/l	98
4) Vinyl Chloride	2.16	62	111565	46.874	ug/l	99
5) Bromomethane	2.52	94	69192	44.981	ug/l	97
6) Chloroethane	2.66	64	77937	47.936	ug/l	98
7) Trichlorofluoromethane	2.98	101	126566	43.156	ug/l	100
8) Diethyl Ether	3.37	74	60181	58.766	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	70612	45.978	ug/l	95
10) Methyl Iodide	3.91	142	98637	57.028	ug/l	98
11) Tert butyl alcohol	4.73	59	87775	325.805	ug/l	99
12) 1,1-Dichloroethene	3.70	96	77976	50.788	ug/l	97
13) Acrolein	3.56	56	60113	227.901	ug/l	100
14) Allyl chloride	4.28	41	126076	60.315	ug/l	98
15) Acrylonitrile	4.93	53	240948	328.199	ug/l	99
16) Acetone	3.77	43	195070	332.540	ug/l	97
17) Carbon Disulfide	4.00	76	214485	48.775	ug/l	99
18) Methyl Acetate	4.28	43	97424	65.314	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	297082	60.555	ug/l	97
20) Methylene Chloride	4.50	84	103498	60.129	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	90540	51.766	ug/l	92
22) Diisopropyl ether	5.90	45	306999	64.503	ug/l	97
23) Vinyl Acetate	5.84	43	1171468	301.473	ug/l	97
24) 1,1-Dichloroethane	5.80	63	179872	58.690	ug/l	98
25) 2-Butanone	6.79	43	299856	326.940	ug/l	95
26) 2,2-Dichloropropane	6.77	77	116682	45.687	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	110621	56.207	ug/l	98
28) Bromochloromethane	7.15	49	79196	59.557	ug/l	90
29) Tetrahydrofuran	7.17	42	203400	338.558	ug/l	96
30) Chloroform	7.33	83	179533	57.576	ug/l	98
31) Cyclohexane	7.61	56	124069	47.858	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	140766	53.530	ug/l	98
36) 1,1-Dichloropropene	7.75	75	124630	47.843	ug/l	97
37) Ethyl Acetate	6.88	43	119747	55.514	ug/l	98
38) Carbon Tetrachloride	7.73	117	112074	45.634	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	117710	41.240	ug/l	96
40) Benzene	8.00	78	405758	51.104	ug/l	99
41) Methacrylonitrile	7.13	41	61980	61.978	ug/l	91
42) 1,2-Dichloroethane	8.09	62	145663	54.299	ug/l	99
43) Isopropyl Acetate	8.13	43	201217	57.223	ug/l	98
44) Trichloroethene	8.80	130	90447	45.159	ug/l	94
45) 1,2-Dichloropropane	9.09	63	110233	56.275	ug/l	100
46) Dibromomethane	9.18	93	69444	52.289	ug/l	95
47) Bromodichloromethane	9.37	83	144825	54.007	ug/l	98
48) Methyl methacrylate	9.17	41	101622	64.455	ug/l	92
49) 1,4-Dioxane	9.17	88	41678	1192.025	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	661521	321.991	ug/l	97
52) Toluene	10.12	92	249935	51.591	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	159219	53.968	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	164988	52.528	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	105130	55.205	ug/l	97
56) Ethyl methacrylate	10.40	69	154998	60.989	ug/l	96
57) 1,3-Dichloropropane	10.68	76	182574	55.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.81	63	823	16.814	ug/l #	46
59) 2-Hexanone	10.72	43	485131	327.012	ug/l	98
60) Dibromochloromethane	10.87	129	107936	53.535	ug/l	98
61) 1,2-Dibromoethane	10.98	107	103391	52.838	ug/l	100
64) Tetrachloroethene	10.60	164	67437	39.956	ug/l	98
65) Chlorobenzene	11.41	112	266612	49.137	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	95617	50.963	ug/l	99
67) Ethyl Benzene	11.48	91	473461	51.667	ug/l	98
68) m/p-Xylenes	11.59	106	358690	101.201	ug/l	97
69) o-Xylene	11.92	106	174332	52.131	ug/l	97
70) Styrene	11.94	104	301378	54.038	ug/l	99
71) Bromoform	12.10	173	69816	52.337	ug/l #	98
73) Isopropylbenzene	12.22	105	449102	48.912	ug/l	99
74) N-amyl acetate	12.04	43	178379	52.590	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	164641	53.884	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	201864	72.293	ug/l #	100
77) Bromobenzene	12.50	156	108194	47.463	ug/l	90
78) n-propylbenzene	12.57	91	526627	50.142	ug/l	98
79) 2-Chlorotoluene	12.65	91	321767	50.677	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	381183	51.212	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	51831	54.208	ug/l	95
82) 4-Chlorotoluene	12.75	91	332660	50.665	ug/l	98
83) tert-Butylbenzene	12.97	119	308691	48.460	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	387151	52.079	ug/l	98
85) sec-Butylbenzene	13.15	105	415911	49.412	ug/l	99
86) p-Isopropyltoluene	13.26	119	371438	50.368	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	197371	49.307	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	194769	47.203	ug/l	99
89) n-Butylbenzene	13.59	91	305076	49.760	ug/l	99
90) Hexachloroethane	13.85	117	73403	50.733	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	193865	49.944	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	27901	57.002	ug/l	93

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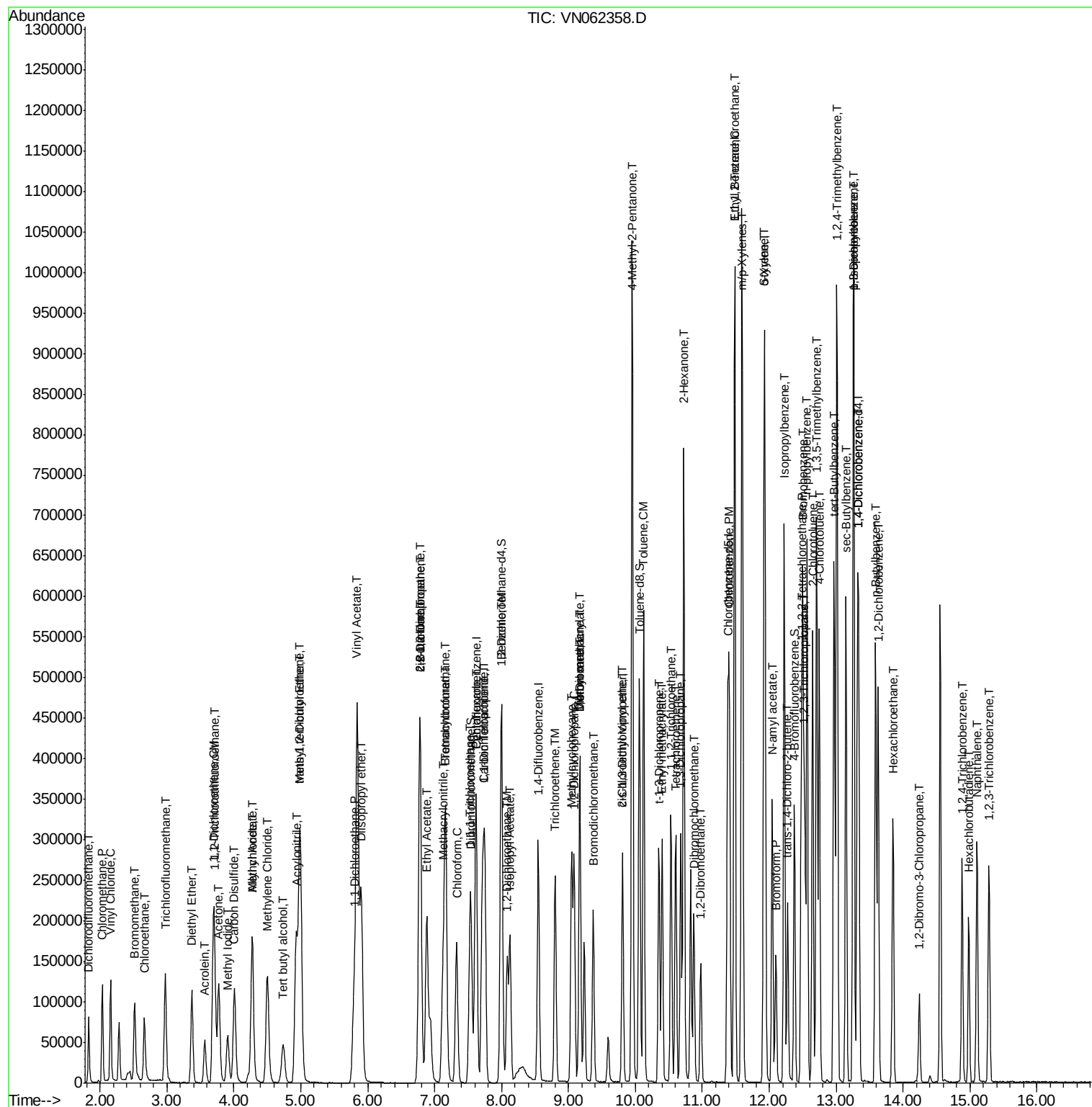
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	79861	47.096	ug/l	99
94) Hexachlorobutadiene	14.98	225	32298	43.854	ug/l	98
95) Naphthalene	15.10	128	245416	43.934	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	83280	48.031	ug/l	99

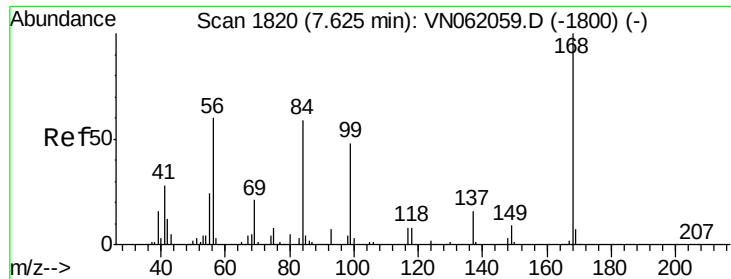
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070220\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

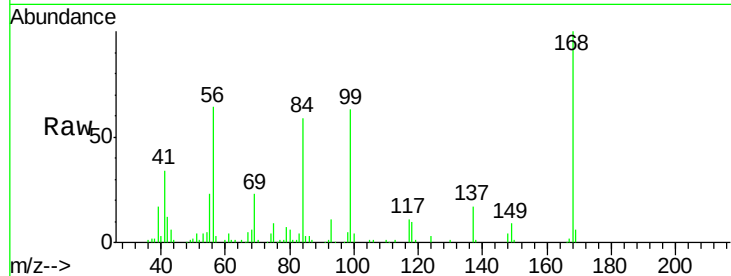
ClientSampleId :

Tot Ion:168 Resp: 133710

Ion Ratio Lower Upper

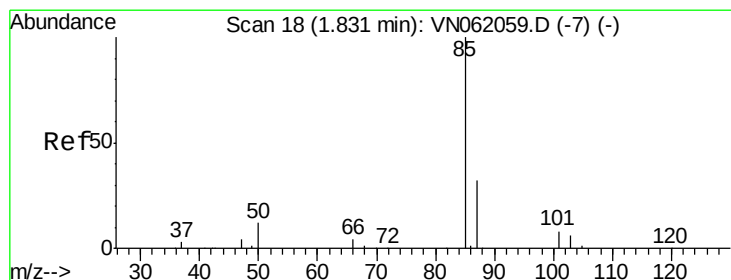
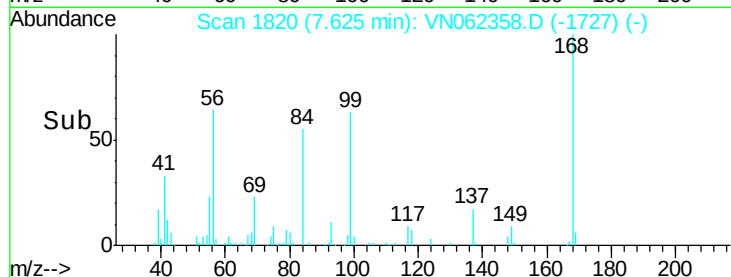
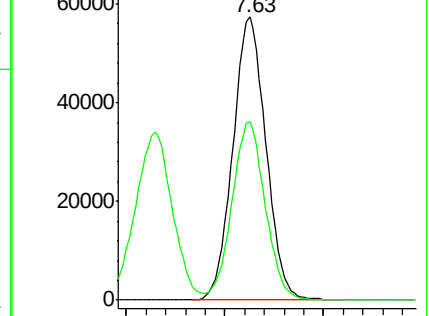
168 100

99 63.2 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.105 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062358.D

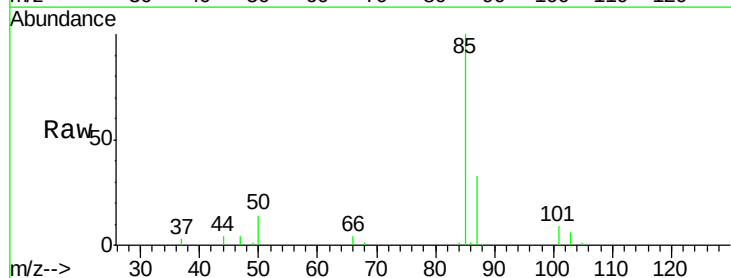
Acq: 3 Jul 2020 1:21

Tgt Ion: 85 Resp: 62125

Ion Ratio Lower Upper

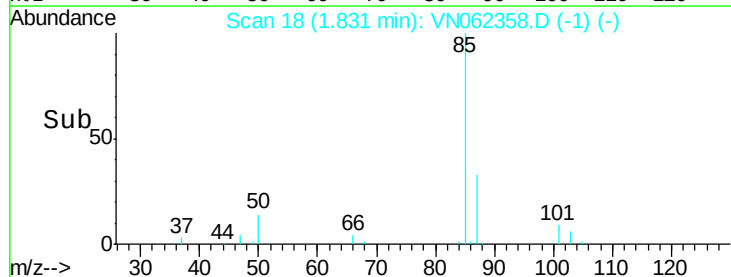
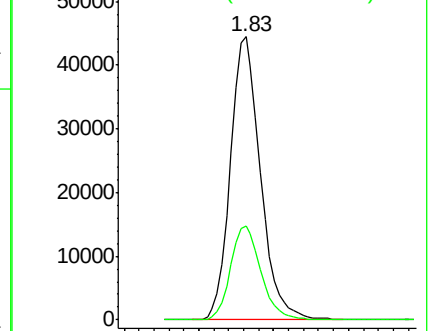
85 100

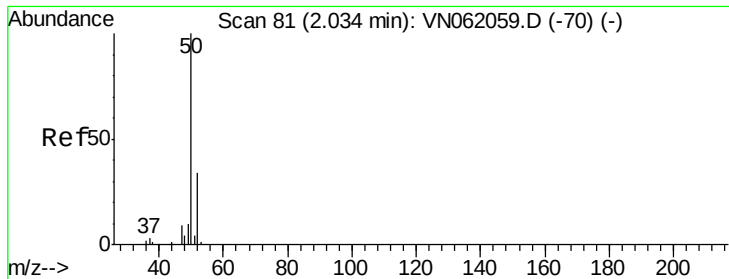
87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 57.346 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

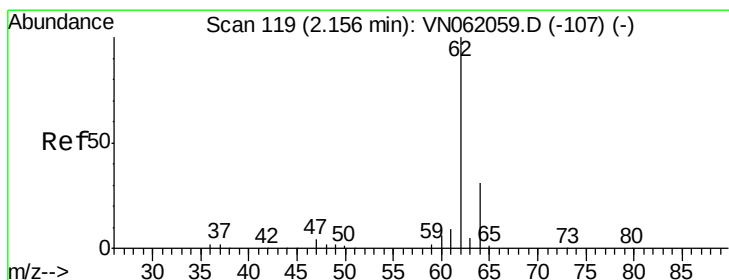
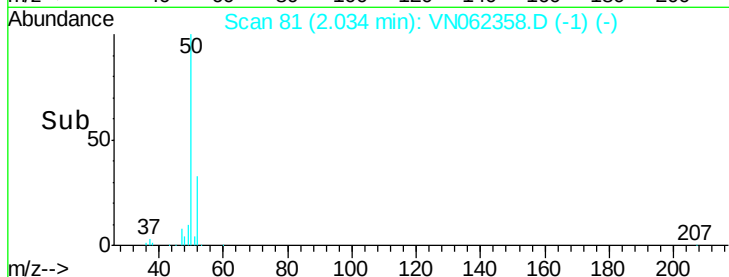
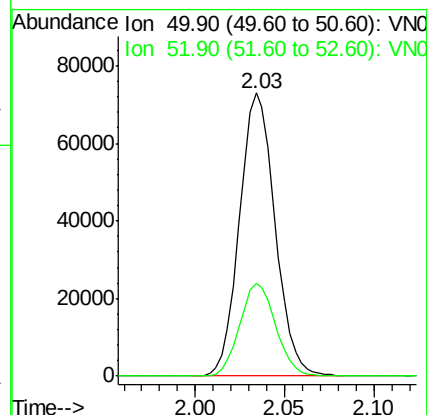
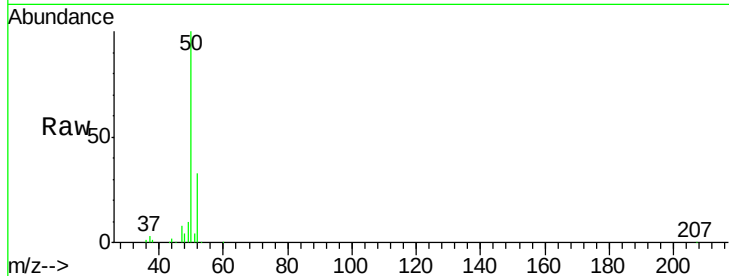
ClientSampleId :

Tot Ion: 50 Resp: 101687

Ion Ratio Lower Upper

50 100

52 32.8 27.0 40.6



#4

Vinyl Chloride

Concen: 46.874 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062358.D

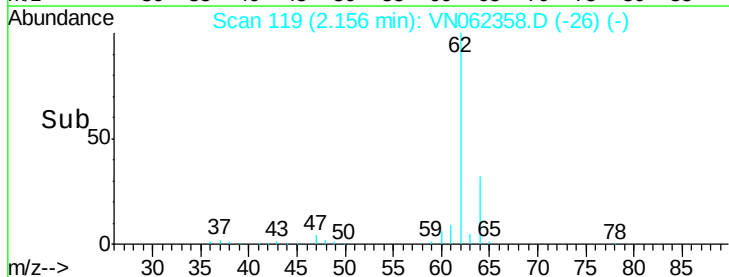
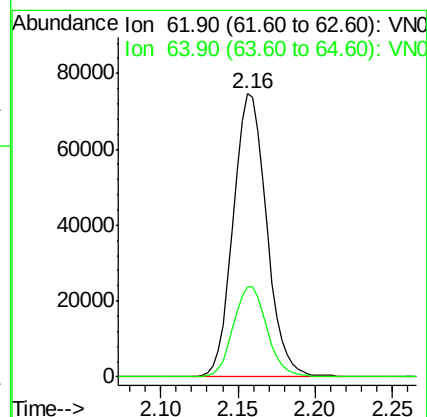
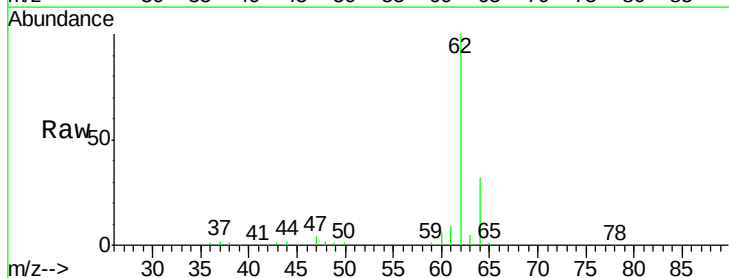
Acq: 3 Jul 2020 1:21

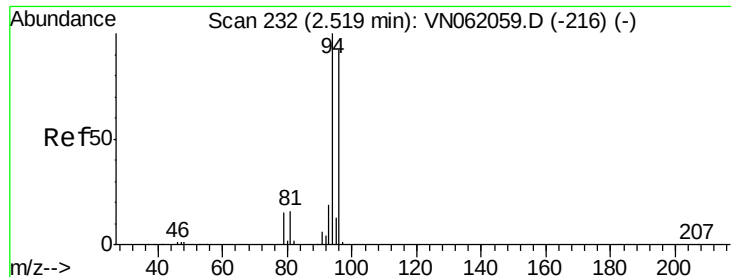
Tgt Ion: 62 Resp: 111565

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7





#5

Bromomethane

Concen: 44.981 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

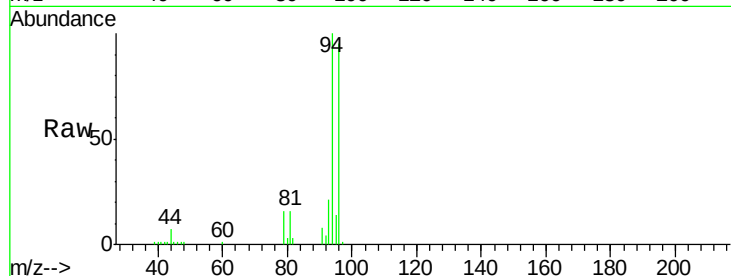
ClientSampled :

Tot Ion: 94 Resp: 69192

Ion Ratio Lower Upper

94 100

96 95.0 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN062358.D (-139) (-)

Ion 95.90 (95.60 to 96.60): VN062358.D (-139) (-)

2.52

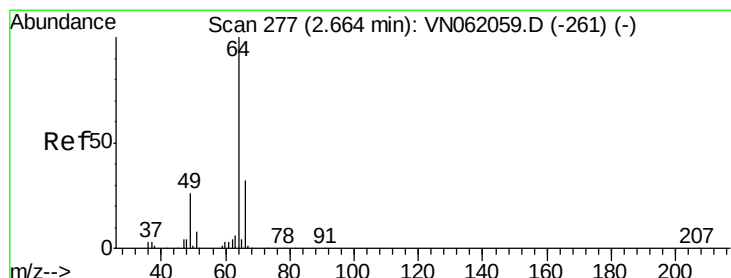
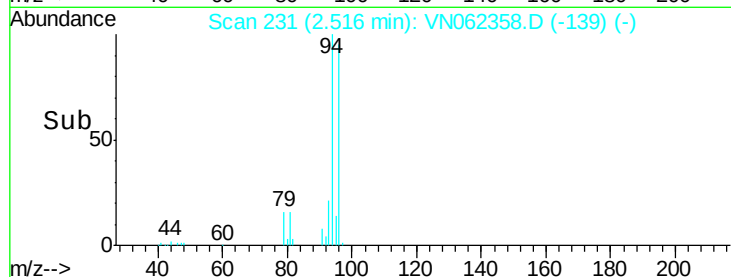
30000

20000

10000

0

Time--> 2.40 2.50 2.60



#6

Chloroethane

Concen: 47.936 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062358.D

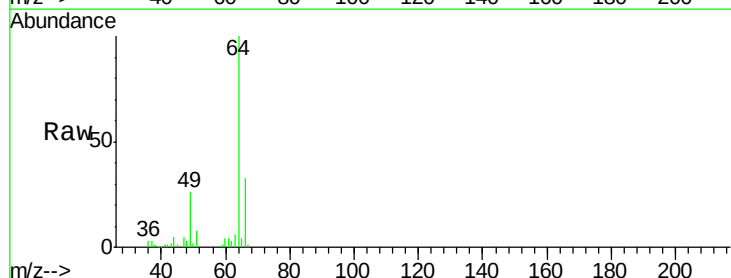
Acq: 3 Jul 2020 1:21

Tgt Ion: 64 Resp: 77937

Ion Ratio Lower Upper

64 100

66 33.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN062358.D (-184) (-)

Ion 65.90 (65.60 to 66.60): VN062358.D (-184) (-)

2.66

40000

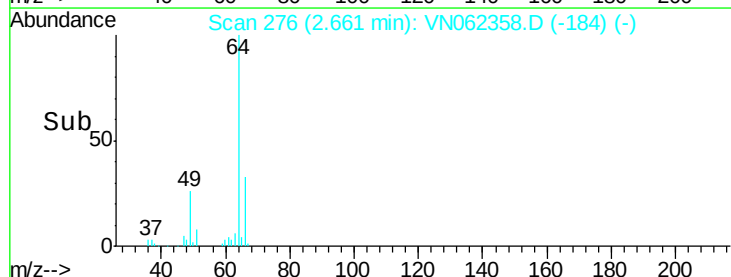
30000

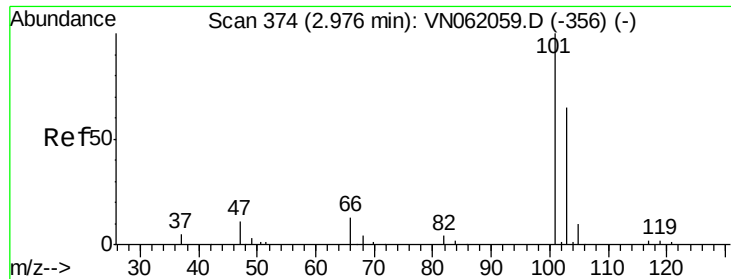
20000

10000

0

Time--> 2.60 2.70 2.80



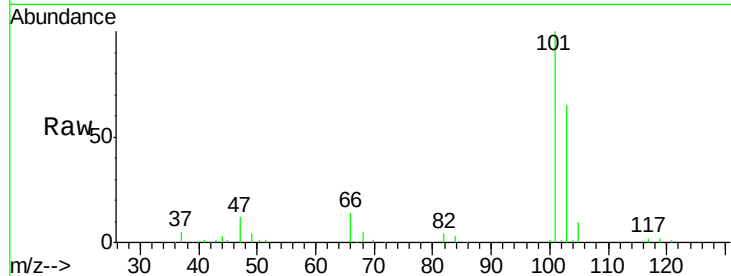


#7

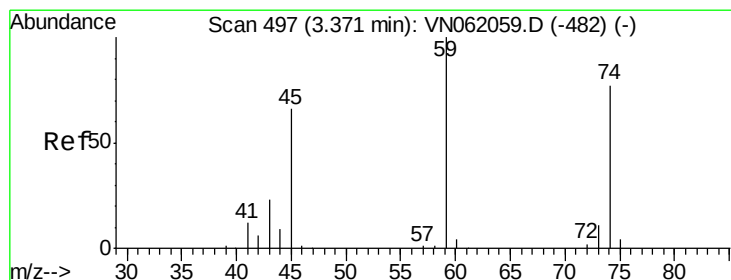
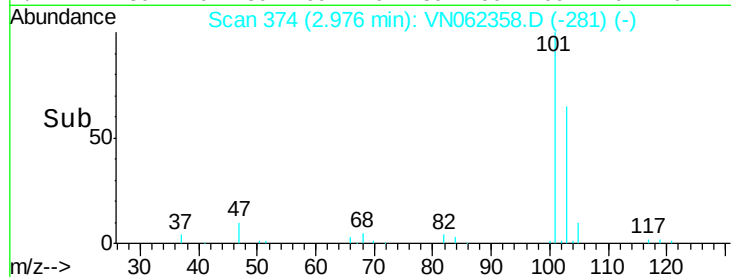
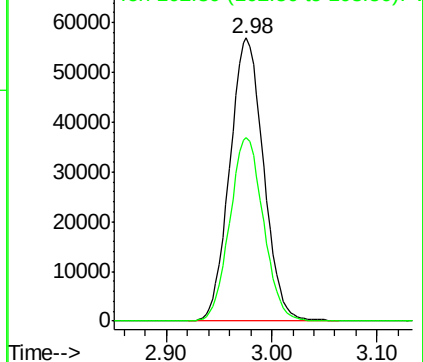
Trichlorofluoromethane
 Concen: 43.156 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 126566
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.8 77.6



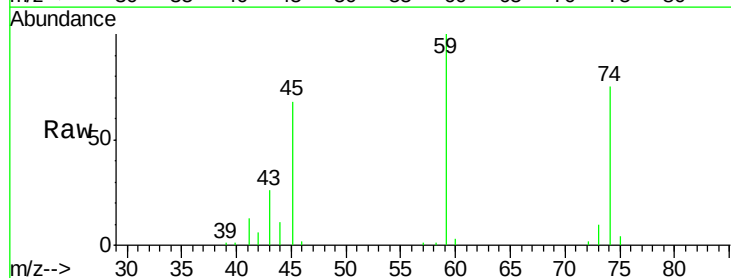
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



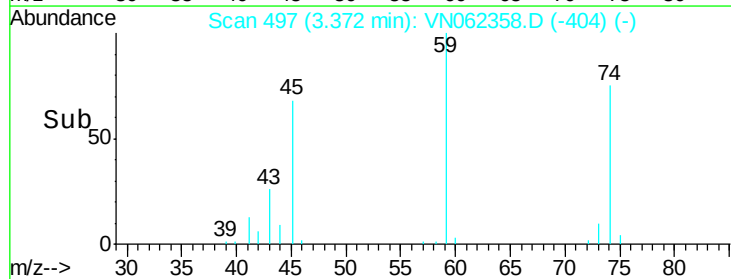
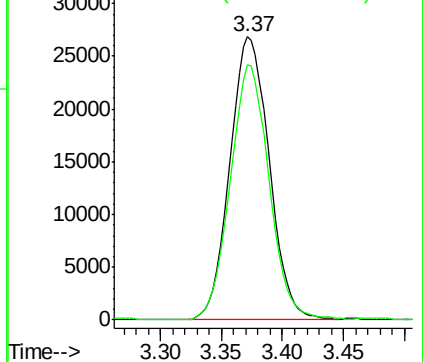
#8

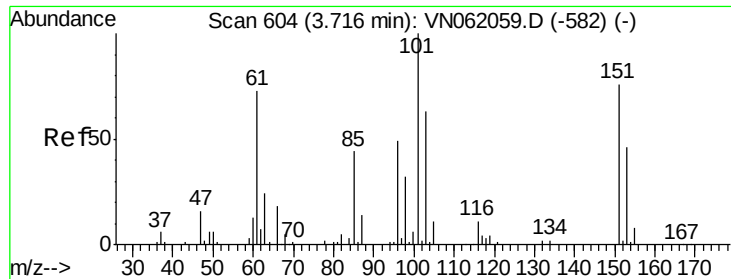
Diethyl Ether
 Concen: 58.766 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN062358.D
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Tgt Ion: 74 Resp: 60181
 Ion Ratio Lower Upper
 74 100
 45 89.0 42.5 127.5



Abundance Ion 74.00 (73.70 to 74.70): VN0
 Ion 45.00 (44.70 to 45.70): VN0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.978 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

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ClientSampled :

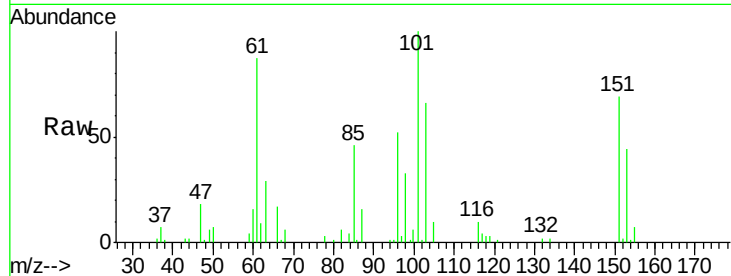
Tot Ion:101 Resp: 70612

Ion Ratio Lower Upper

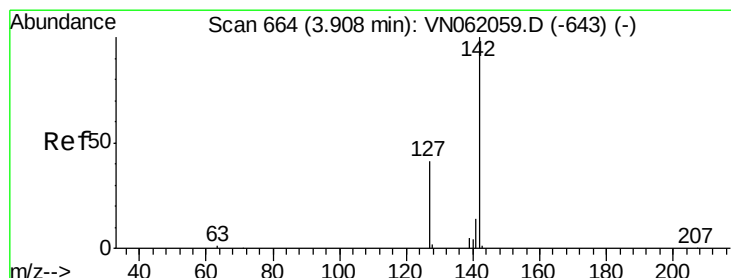
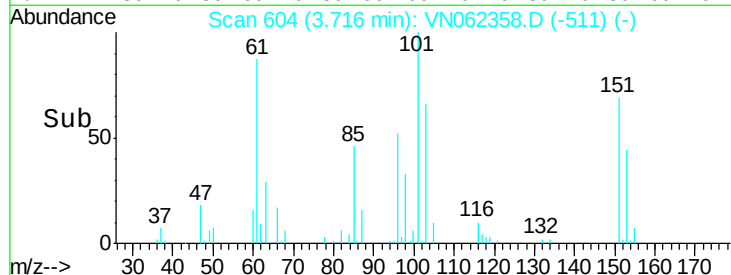
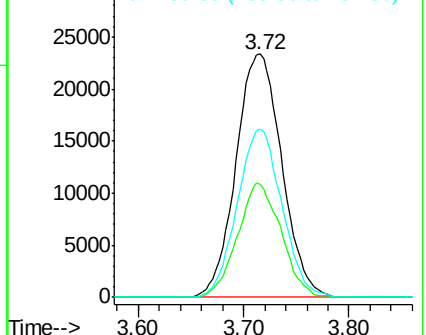
101 100

85 44.5 34.5 51.7

151 67.2 57.8 86.8



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 57.028 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

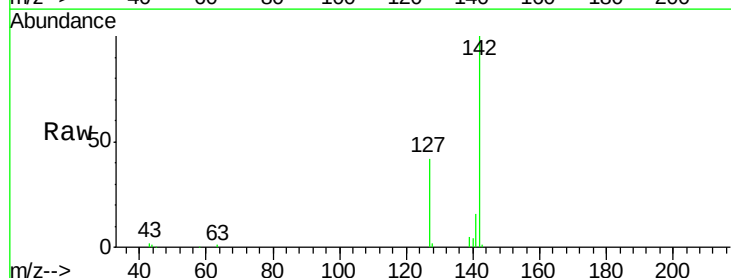
Tgt Ion:142 Resp: 98637

Ion Ratio Lower Upper

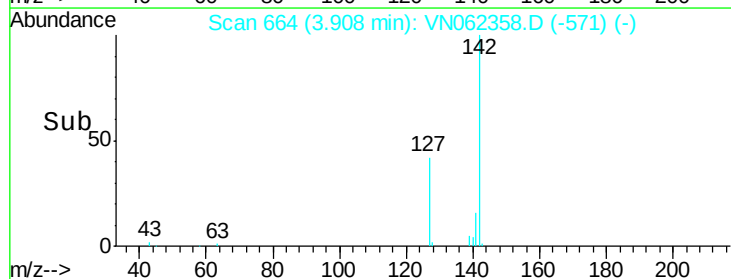
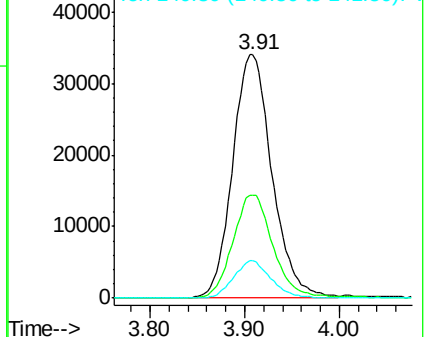
142 100

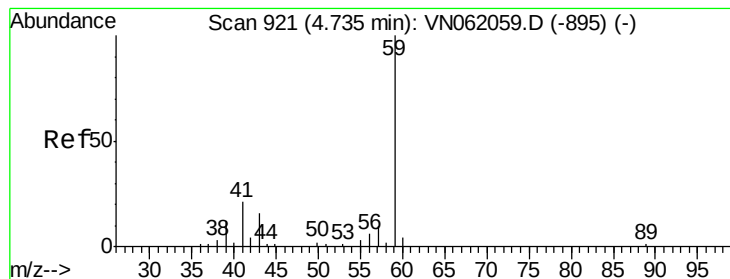
127 43.1 33.6 50.4

141 14.4 11.3 16.9



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



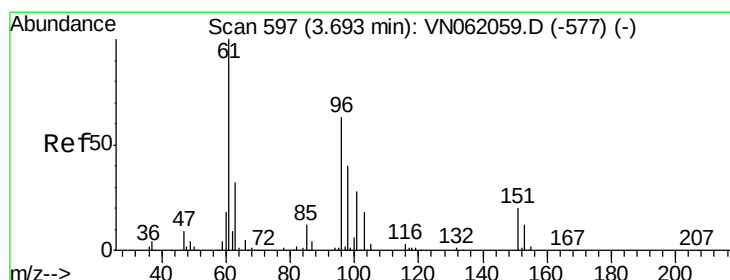
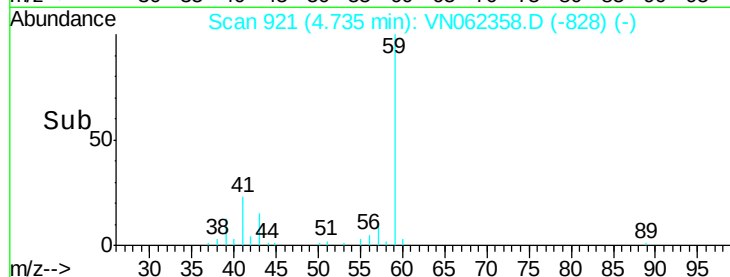
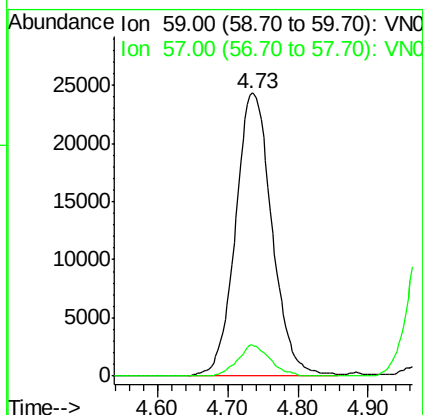
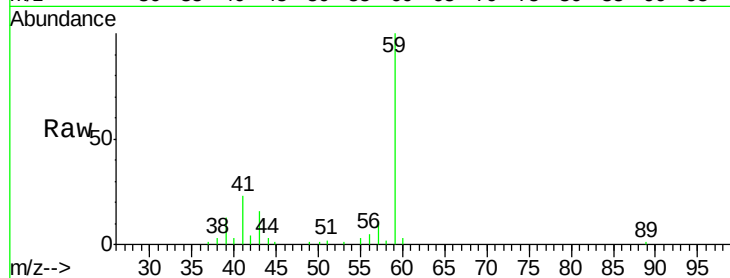


#11

Tert butyl alcohol
 Concen: 325.805 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Instrument :
 MSVOA_N
 ClientSampled :

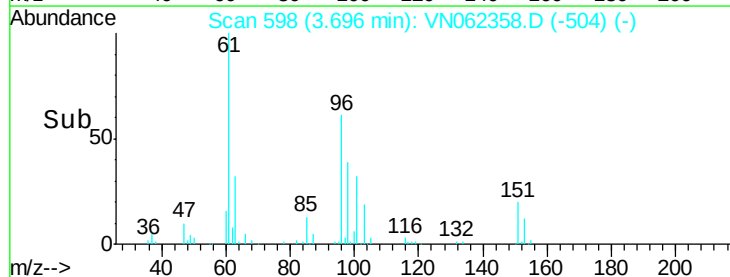
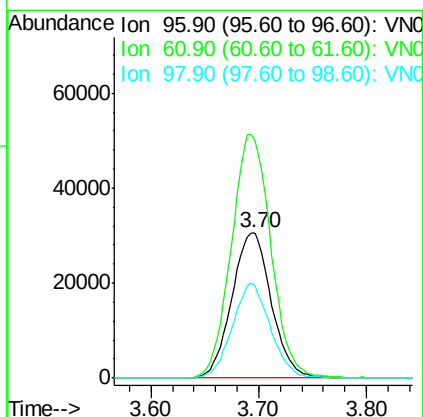
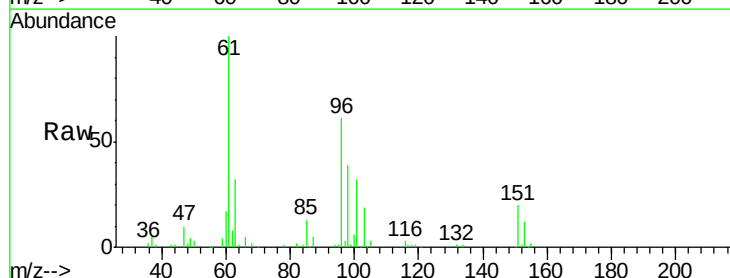
Tot Ion: 59 Resp: 87775
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.3 12.5

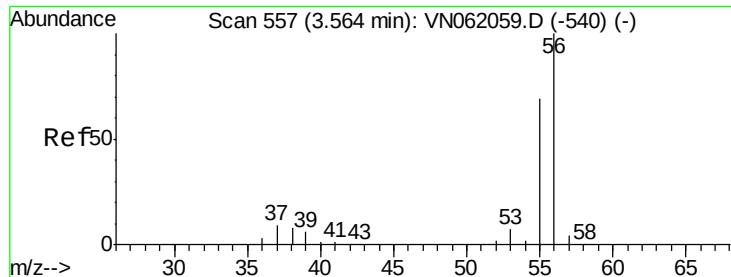


#12

1,1-Dichloroethene
 Concen: 50.788 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion: 96 Resp: 77976
 Ion Ratio Lower Upper
 96 100
 61 163.5 126.7 190.1
 98 63.5 51.0 76.4





#13

Acrolein

Concen: 227.901 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

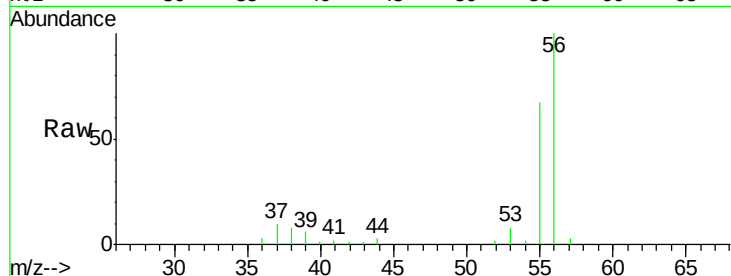
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 60113

Ion Ratio Lower Upper

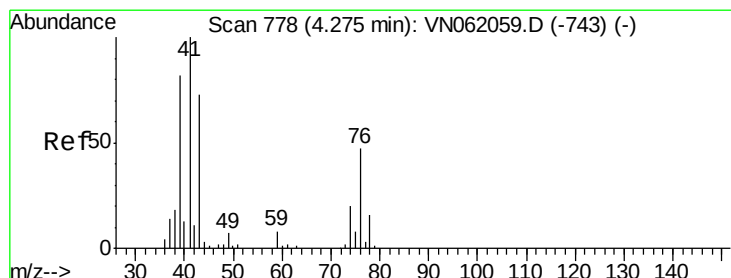
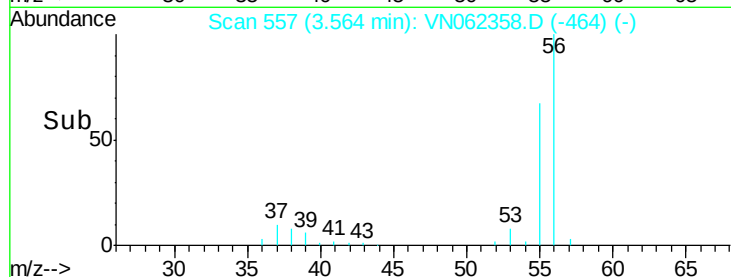
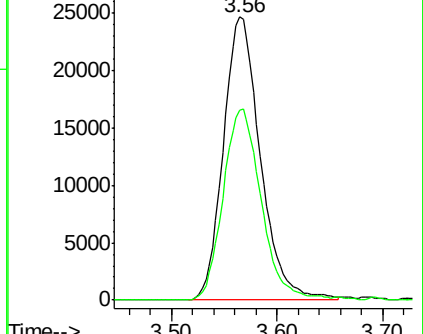
56 100

55 69.2 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VN062358.D (-464) (-)

Ion 55.00 (54.70 to 55.70): VN062358.D (-464) (-)



#14

Allyl chloride

Concen: 60.315 ug/l

RT: 4.28 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

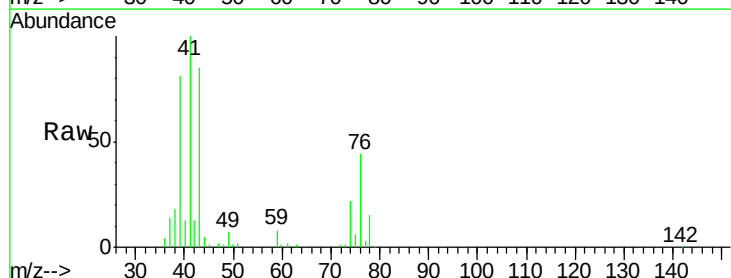
Tgt Ion: 41 Resp: 126076

Ion Ratio Lower Upper

41 100

39 74.1 60.0 90.0

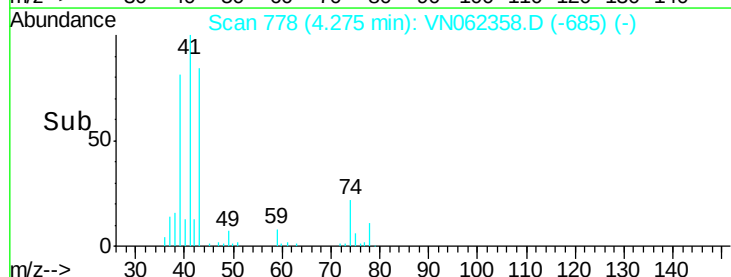
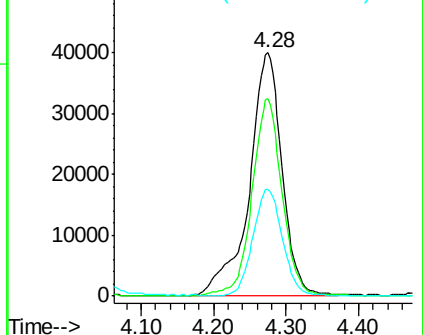
76 39.4 34.1 51.1

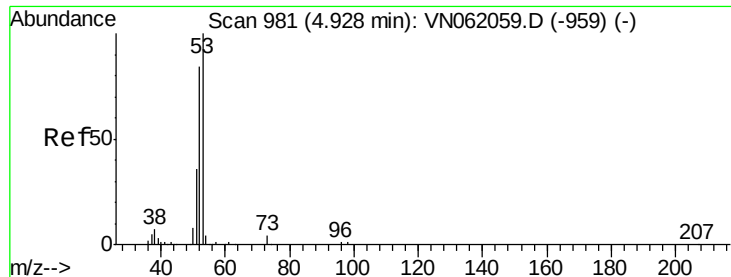


Abundance Ion 41.00 (40.70 to 41.70): VN062358.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN062358.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN062358.D (-685) (-)





#15

Acrylonitrile

Concen: 328.199 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

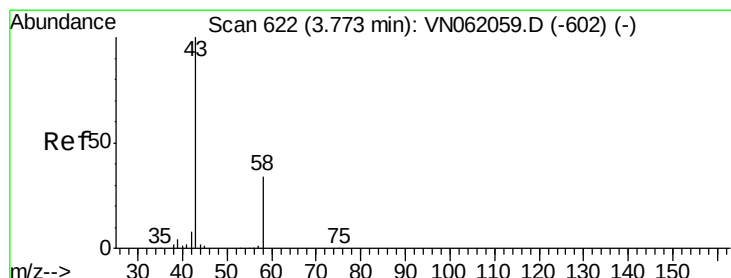
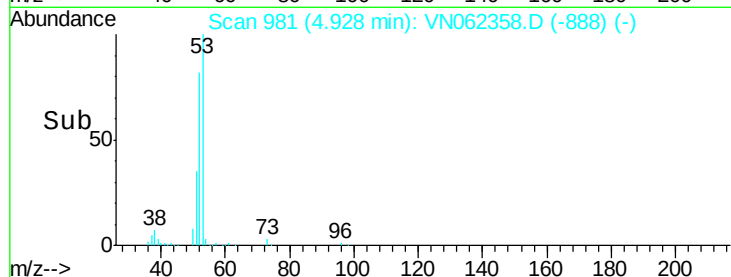
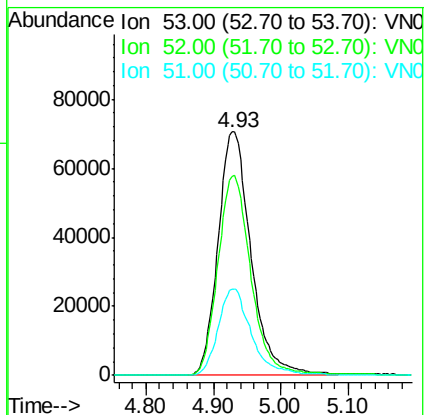
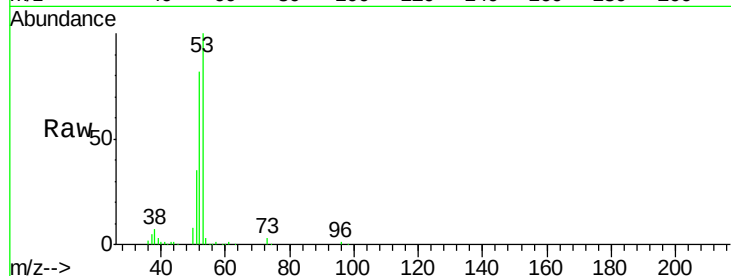
Tot Ion: 53 Resp: 240948

Ion Ratio Lower Upper

53 100

52 81.9 66.2 99.4

51 35.7 28.9 43.3



#16

Acetone

Concen: 332.540 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN062358.D

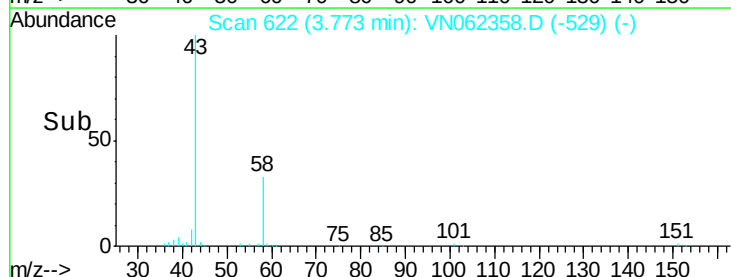
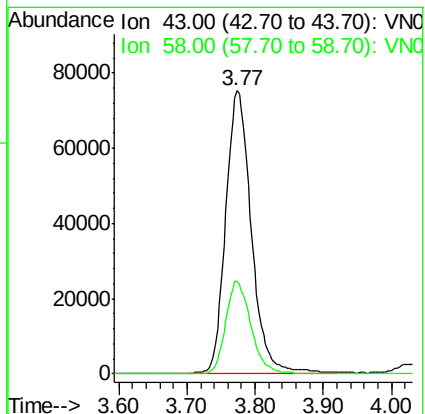
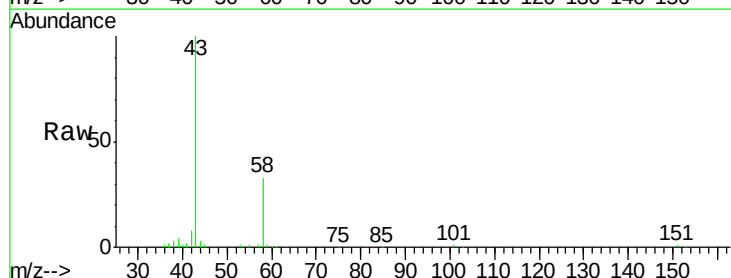
Acq: 3 Jul 2020 1:21

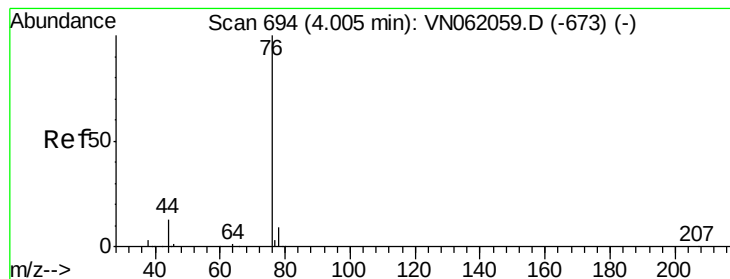
Tgt Ion: 43 Resp: 195070

Ion Ratio Lower Upper

43 100

58 33.0 27.5 41.3





#17

Carbon Disulfide

Concen: 48.775 ug/l

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

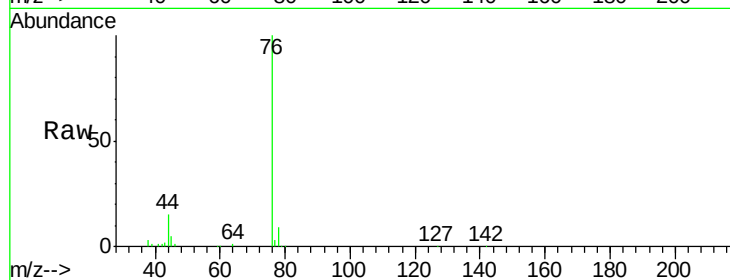
ClientSampleId :

Tot Ion: 76 Resp: 214485

Ion Ratio Lower Upper

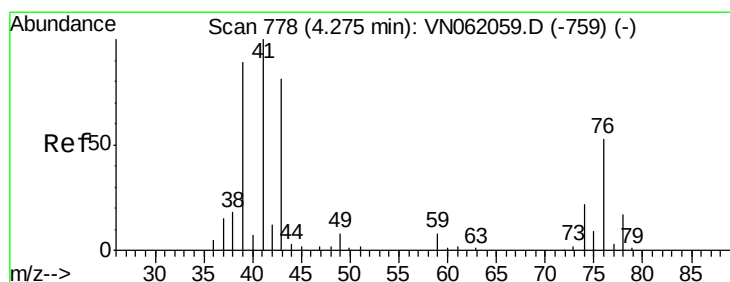
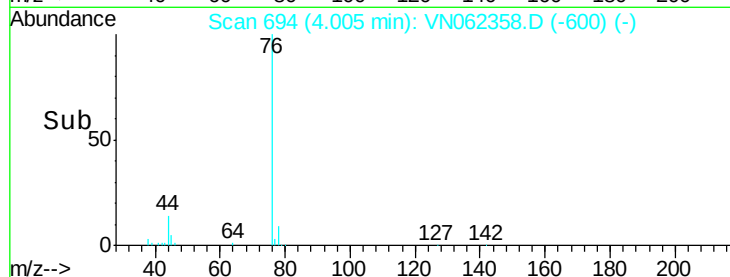
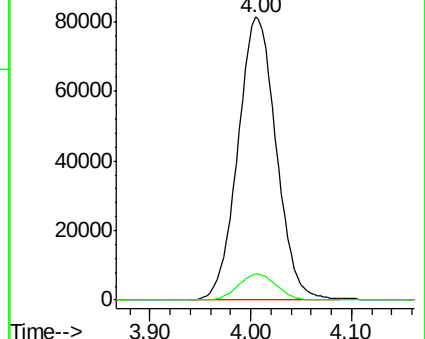
76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN062358.D (-600) (-)

Ion 77.90 (77.60 to 78.60): VN062358.D (-600) (-)



#18

Methyl Acetate

Concen: 65.314 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062358.D

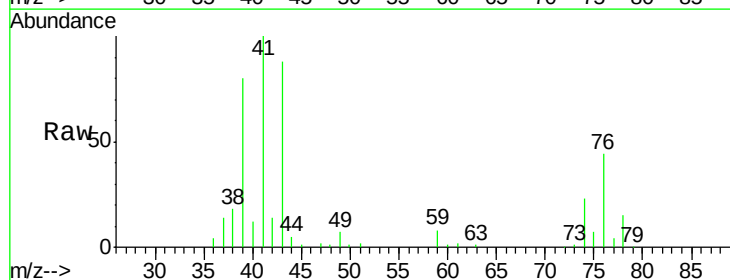
Acq: 3 Jul 2020 1:21

Tgt Ion: 43 Resp: 97424

Ion Ratio Lower Upper

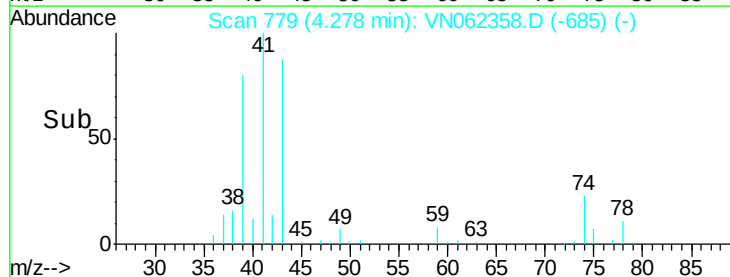
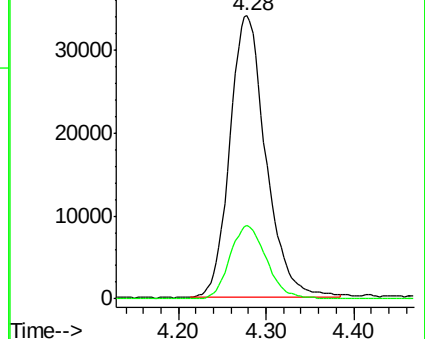
43 100

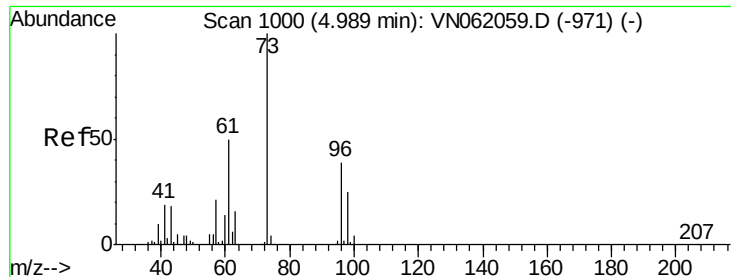
74 26.3 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VN062358.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN062358.D (-685) (-)

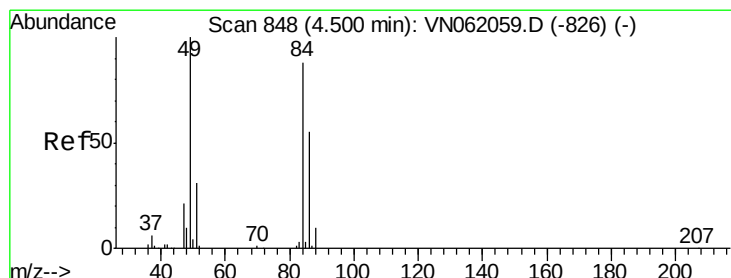
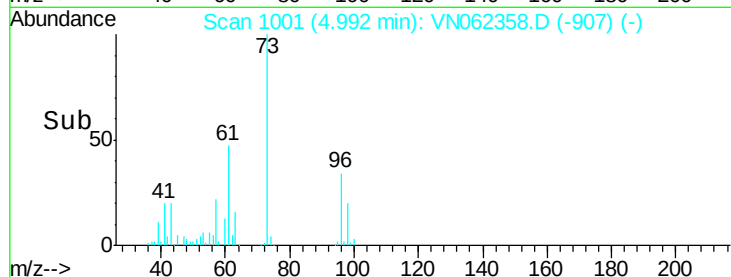
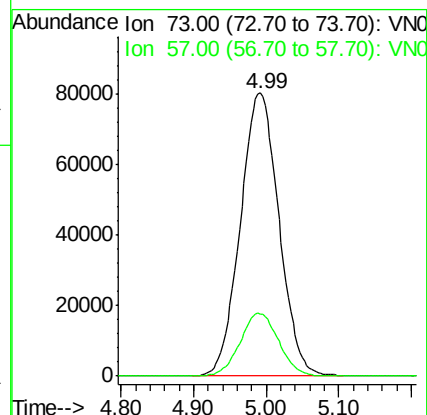
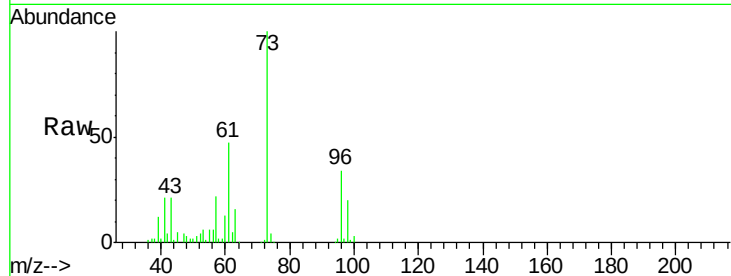




#19
Methyl tert-butyl Ether
Concen: 60.555 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

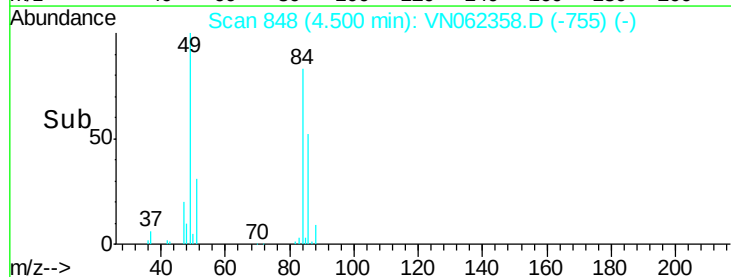
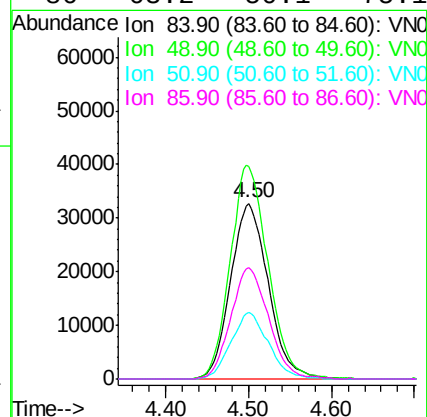
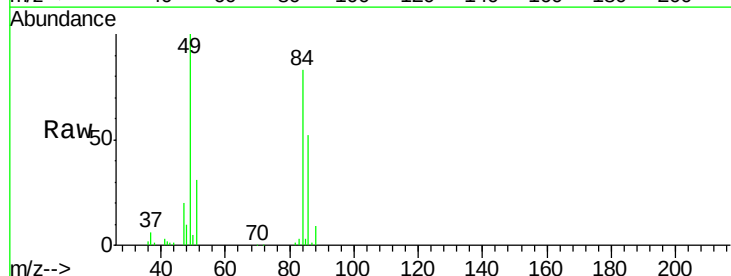
Instrument :
MSVOA_N
ClientSampled :

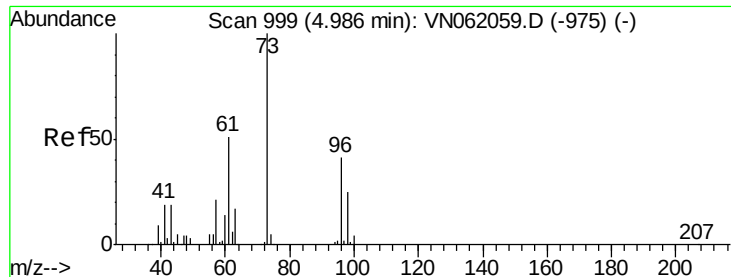
Tot Ion: 73 Resp: 297082
Ion Ratio Lower Upper
73 100
57 22.1 16.6 24.8



#20
Methylene Chloride
Concen: 60.129 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion: 84 Resp: 103498
Ion Ratio Lower Upper
84 100
49 120.6 90.6 136.0
51 37.6 27.8 41.8
86 63.2 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 51.766 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

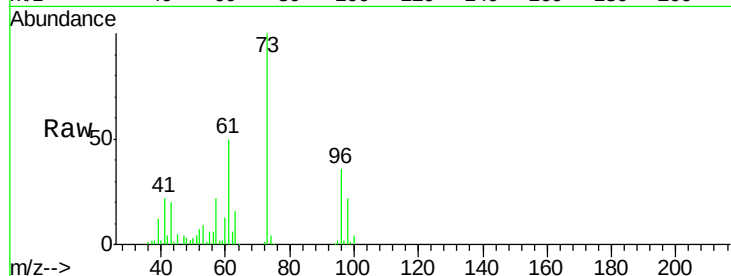
Tot Ion: 96 Resp: 90540

Ion Ratio Lower Upper

96 100

61 139.1 101.4 152.2

98 60.1 49.3 73.9

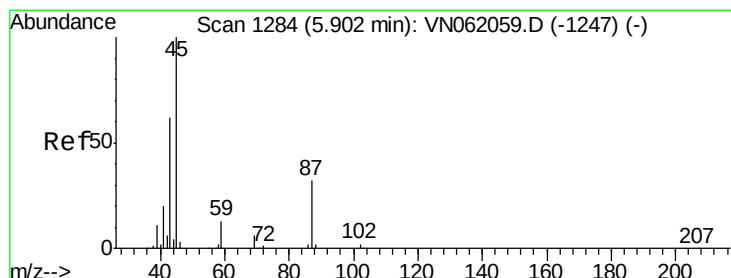
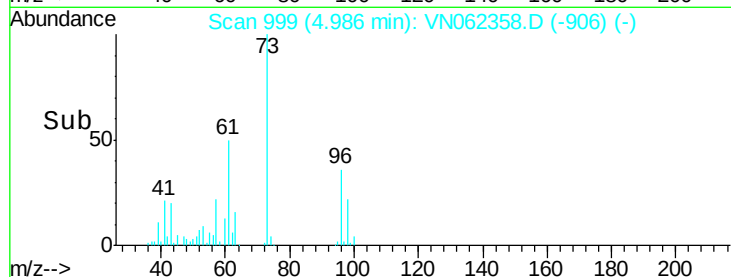
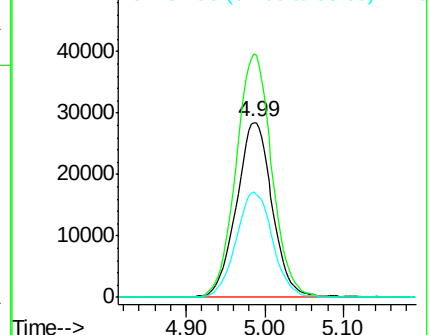


Abundance

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: 64.503 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Tgt Ion: 45 Resp: 306999

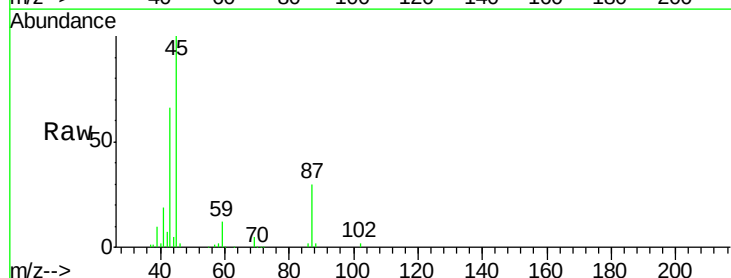
Ion Ratio Lower Upper

45 100

43 64.4 49.7 74.5

87 30.0 25.9 38.9

59 12.0 10.6 16.0



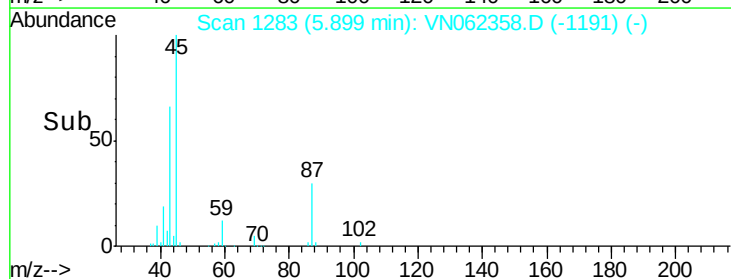
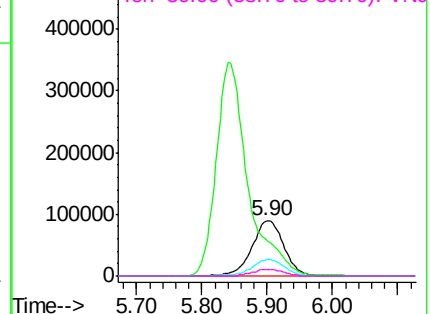
Abundance

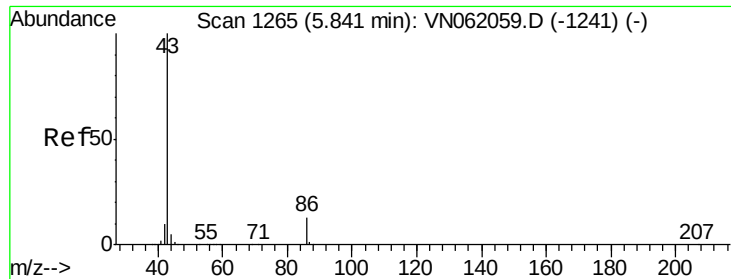
Ion 45.00 (44.70 to 45.70): VN0

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: 301.473 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

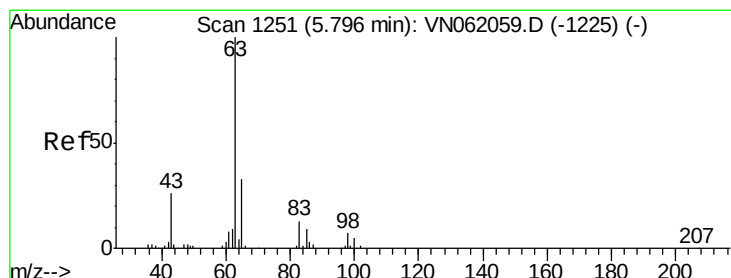
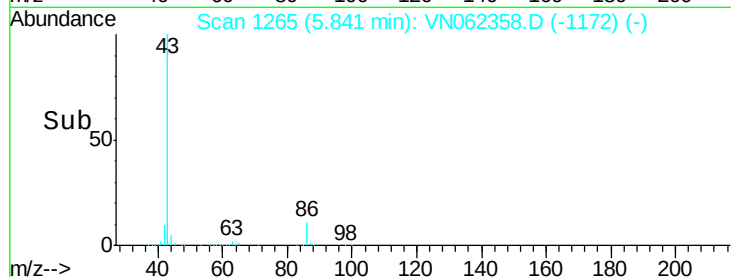
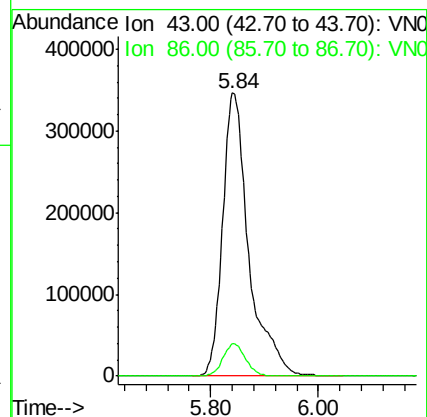
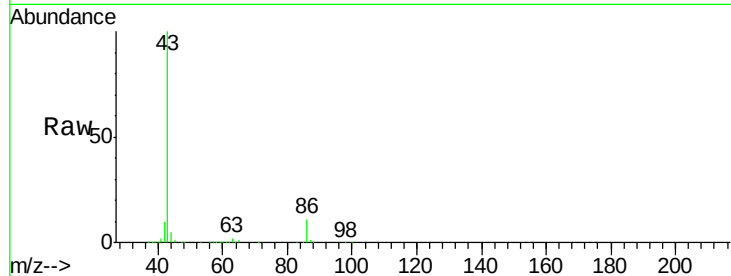
ClientSampled :

Tot Ion: 43 Resp: 1171468

Ion Ratio Lower Upper

43 100

86 11.5 10.1 15.1



#24

1,1-Dichloroethane

Concen: 58.690 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

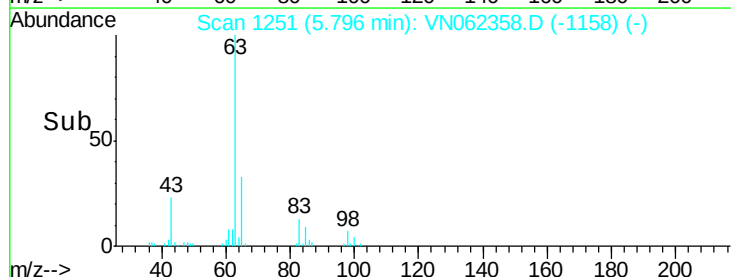
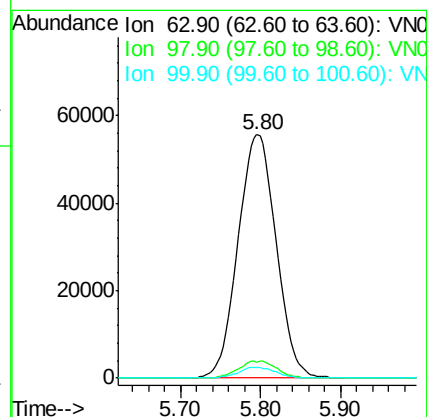
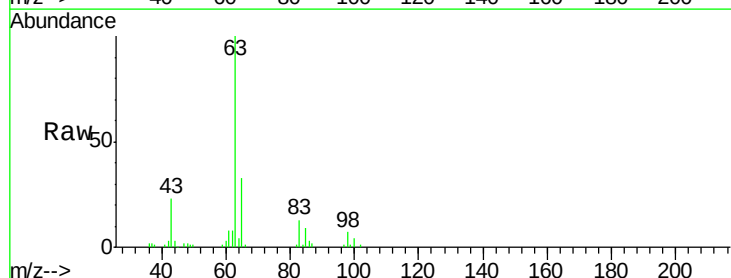
Tgt Ion: 63 Resp: 179872

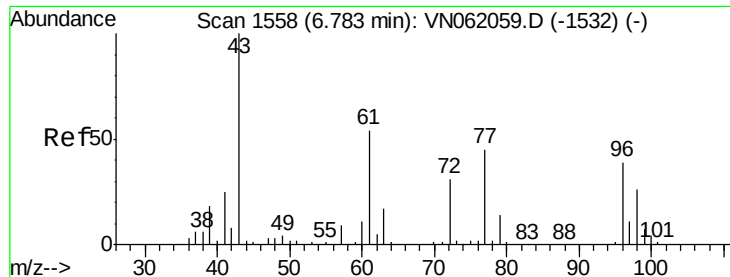
Ion Ratio Lower Upper

63 100

98 6.7 3.6 10.9

100 4.3 2.4 7.1





#25

2-Butanone

Concen: 326.940 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

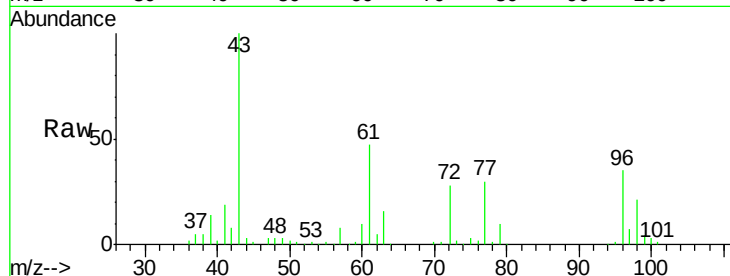
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 299856

Ion Ratio Lower Upper

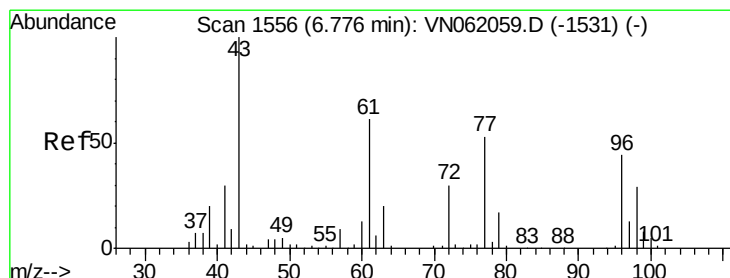
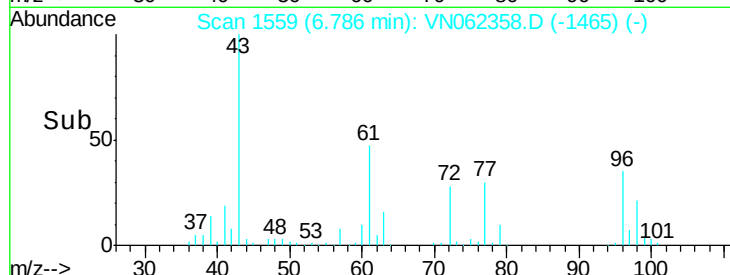
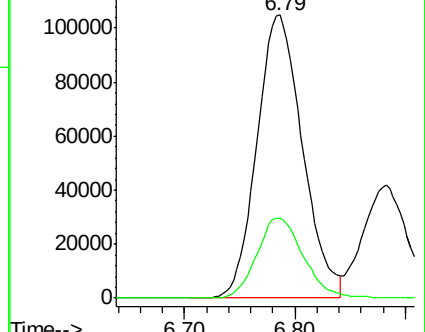
43 100

72 28.4 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-1532) (-)

Ion 72.00 (71.70 to 72.70): VN062059.D (-1532) (-)



#26

2,2-Dichloropropane

Concen: 45.687 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062358.D

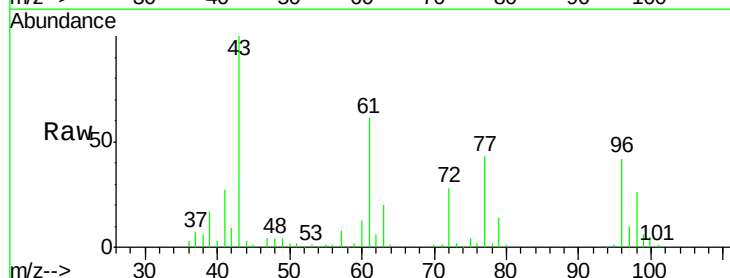
Acq: 3 Jul 2020 1:21

Tgt Ion: 77 Resp: 116682

Ion Ratio Lower Upper

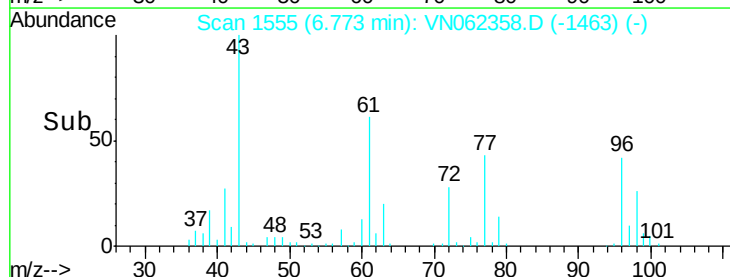
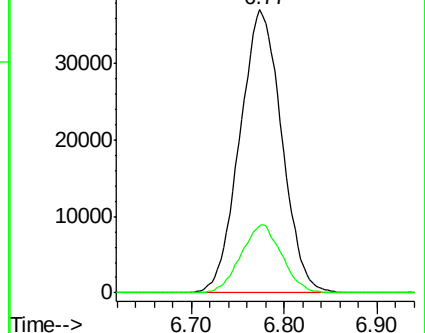
77 100

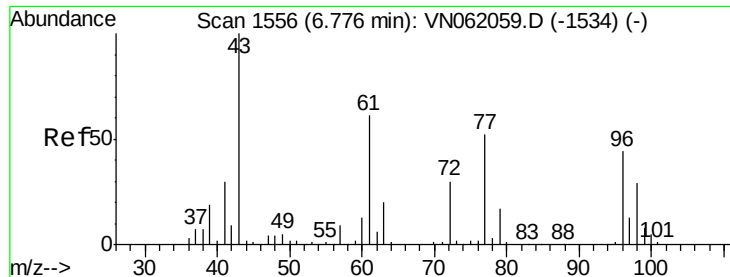
97 23.4 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN062059.D (-1531) (-)

Ion 96.90 (96.60 to 97.60): VN062059.D (-1531) (-)





#27

cis-1,2-Dichloroethene

Concen: 56.207 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampled :

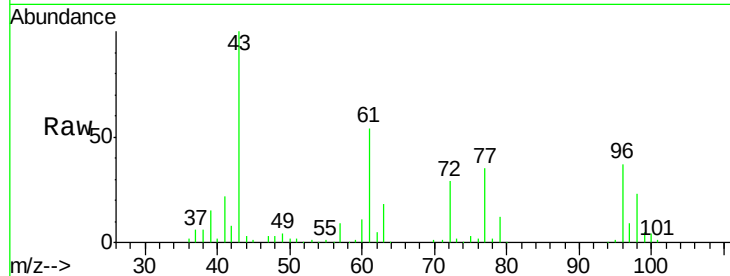
Tot Ion: 96 Resp: 110621

Ion Ratio Lower Upper

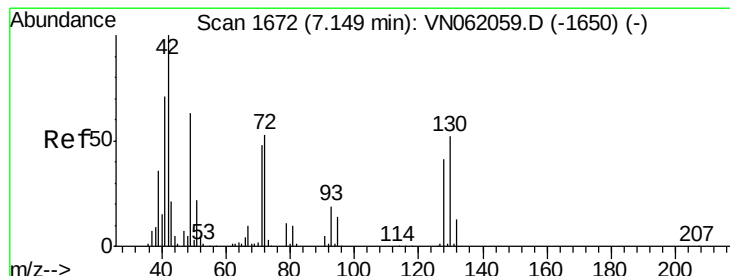
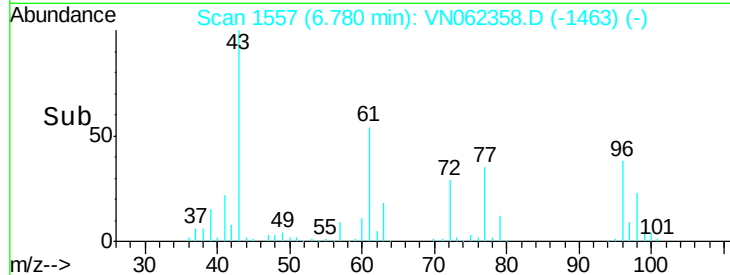
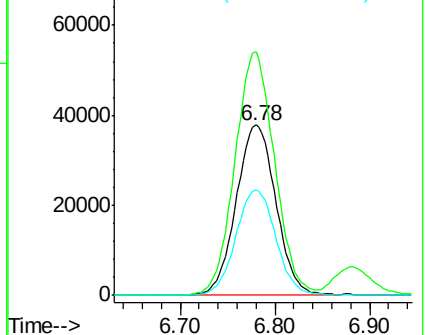
96 100

61 142.6 0.0 280.4

98 62.3 0.0 129.4



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



#28

Bromochloromethane

Concen: 59.557 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

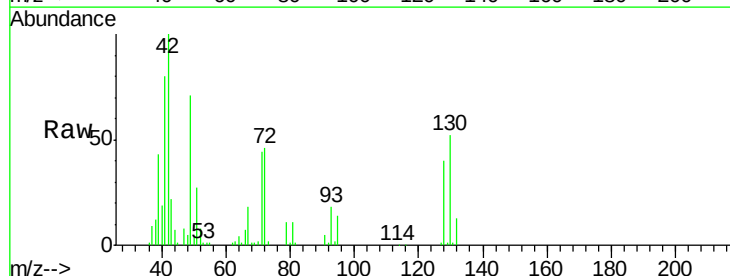
Tgt Ion: 49 Resp: 79196

Ion Ratio Lower Upper

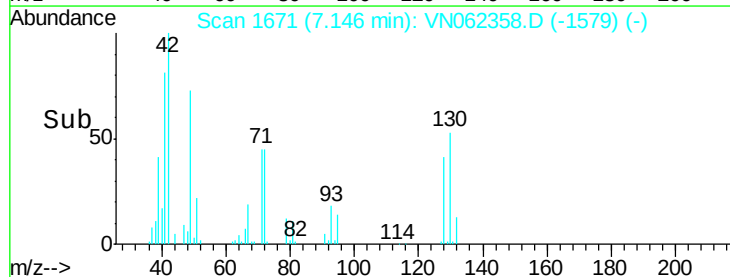
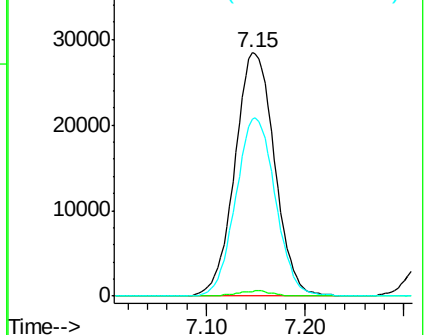
49 100

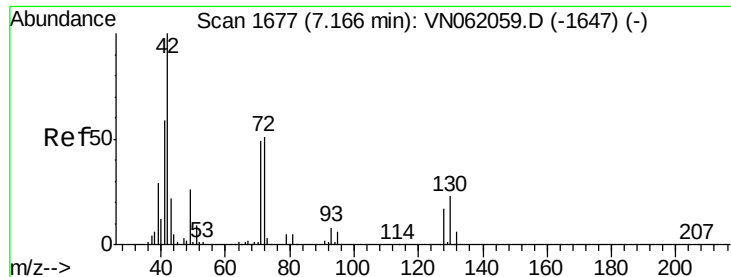
129 1.8 0.0 4.4

130 73.0 65.5 98.3



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

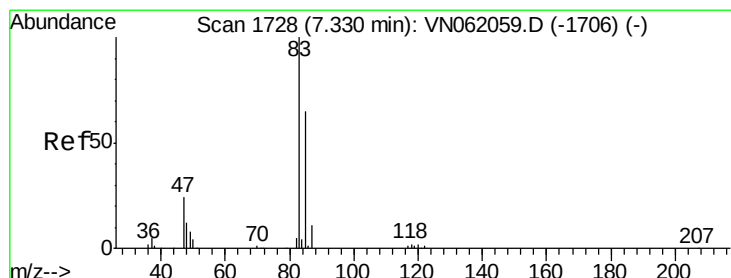
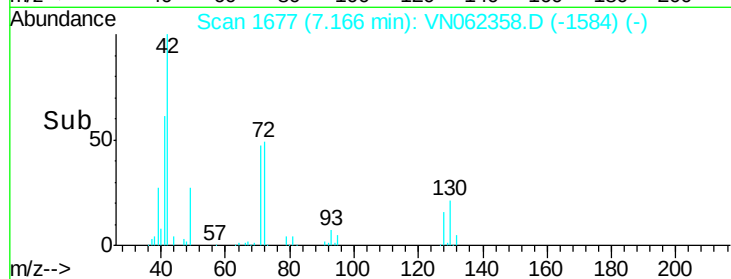
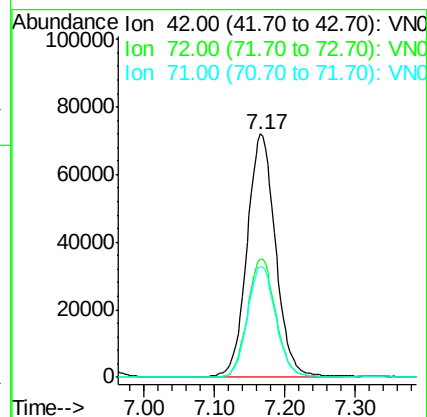
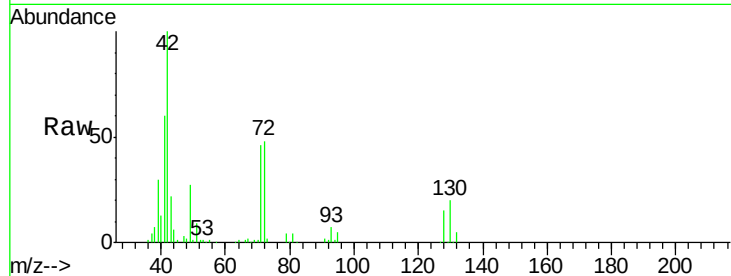




#29
Tetrahydrofuran
Concen: 338.558 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

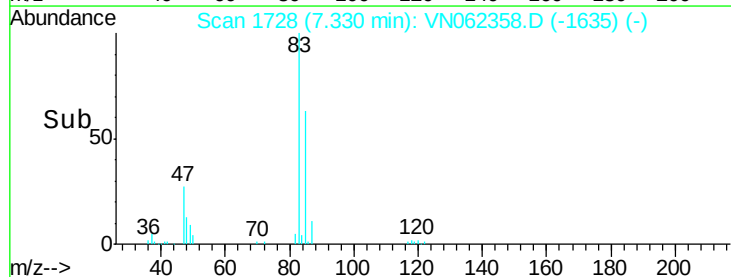
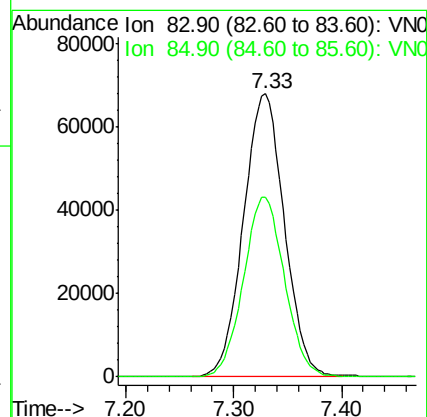
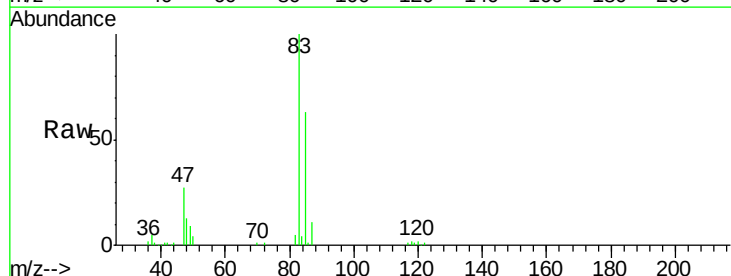
Instrument :
MSVOA_N
ClientSampled :

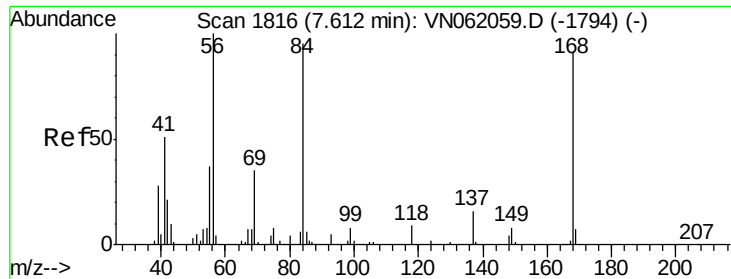
Tot Ion: 42 Resp: 203400
Ion Ratio Lower Upper
42 100
72 48.0 41.1 61.7
71 45.1 38.2 57.4



#30
Chloroform
Concen: 57.576 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion: 83 Resp: 179533
Ion Ratio Lower Upper
83 100
85 63.5 52.3 78.5

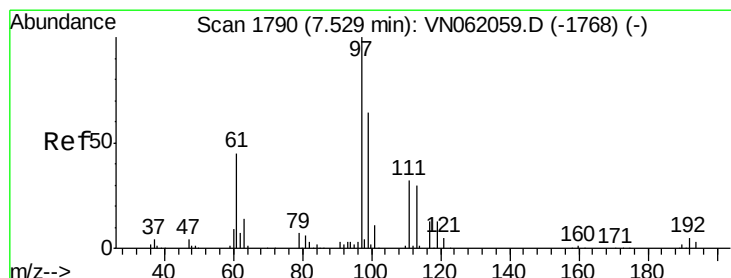
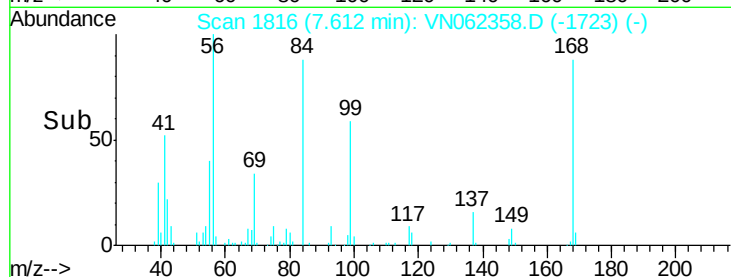
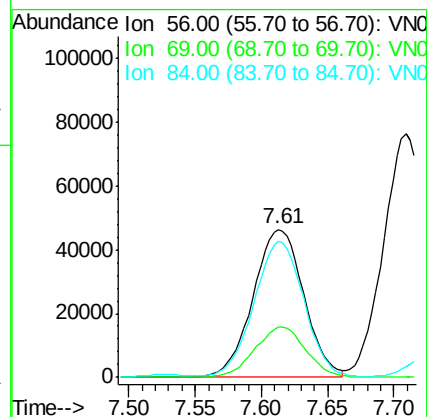
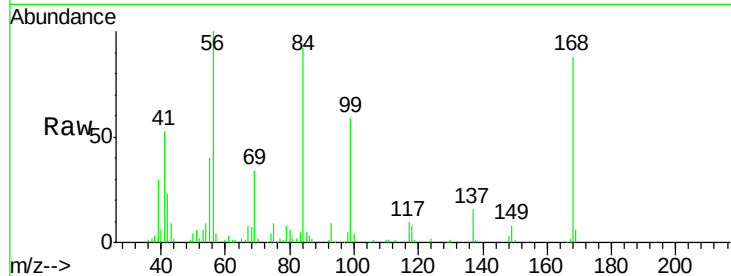




#31
Cyclohexane
Concen: 47.858 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

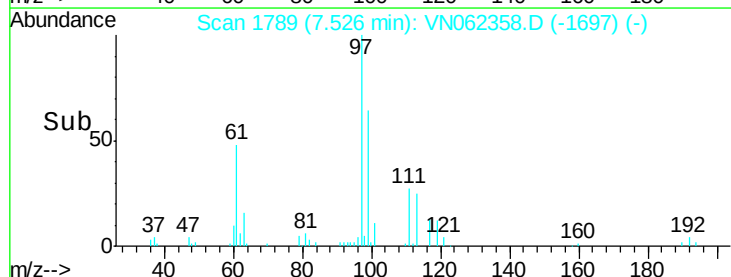
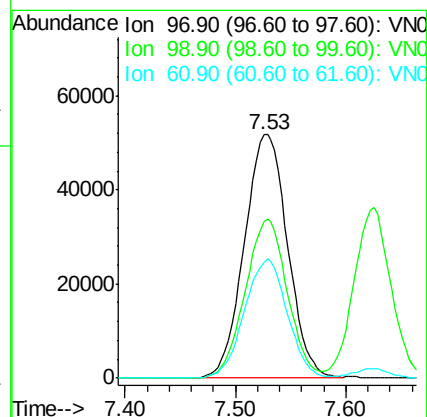
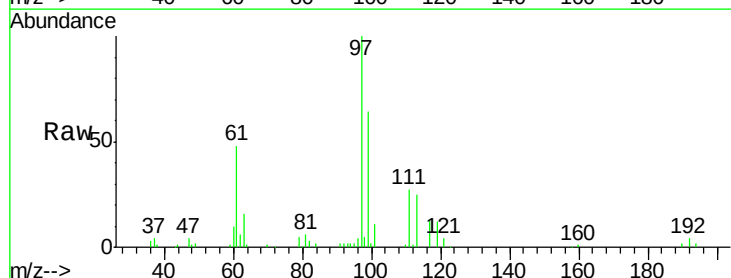
Instrument :
MSVOA_N
ClientSampled :

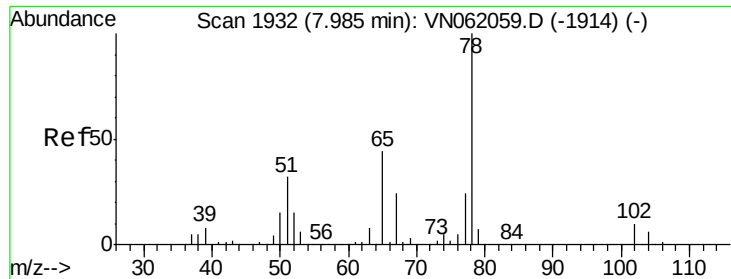
Tot Ion: 56 Resp: 124069
Ion Ratio Lower Upper
56 100
69 34.0 28.0 42.0
84 90.9 76.1 114.1



#32
1,1,1-Trichloroethane
Concen: 53.530 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion: 97 Resp: 140766
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.4
61 48.3 36.2 54.2

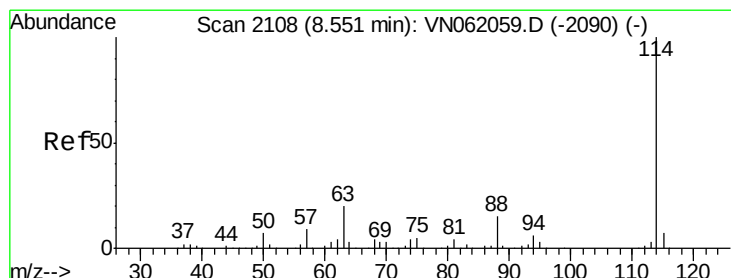
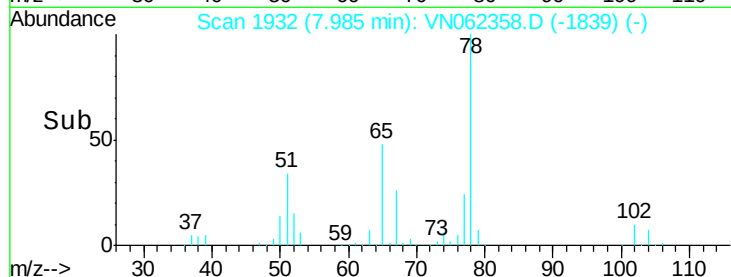
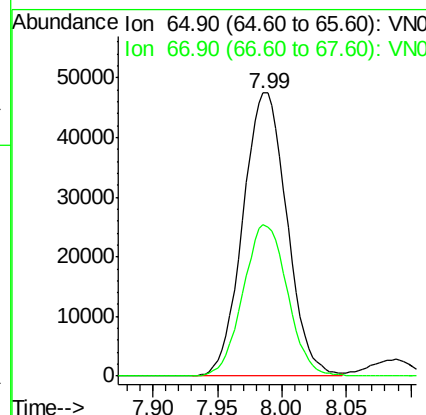
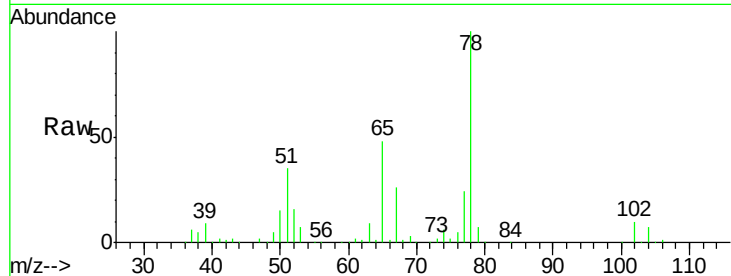




#33
 1,2-Dichloroethane-d4
 Concen: 60.295 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

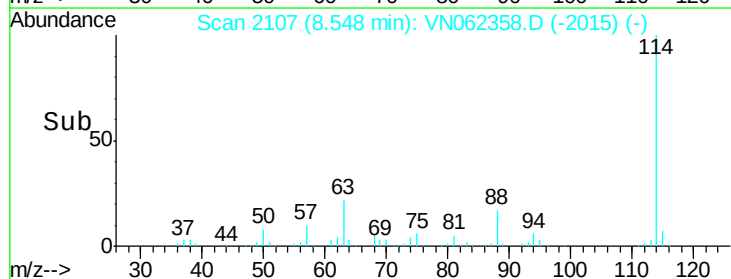
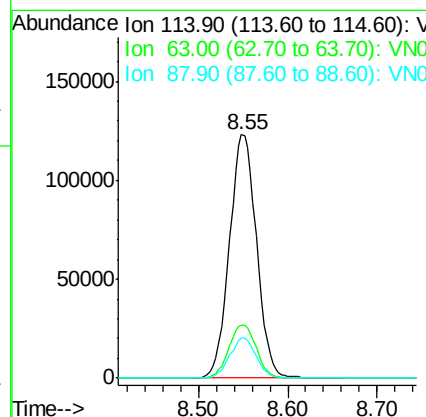
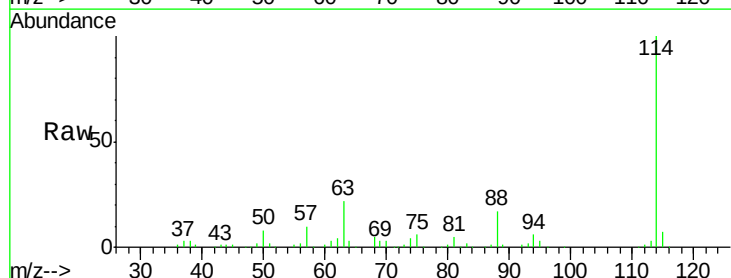
Instrument :
 MSVOA_N
 ClientSampled :

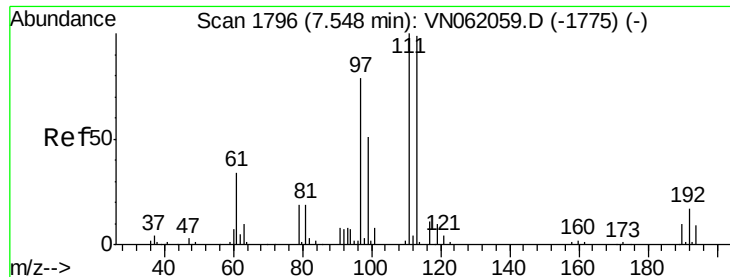
Tot Ion: 65 Resp: 113138
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion: 114 Resp: 259164
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 39.2
 88 16.6 0.0 30.8

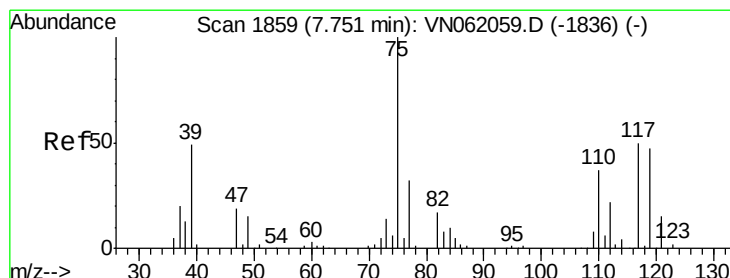
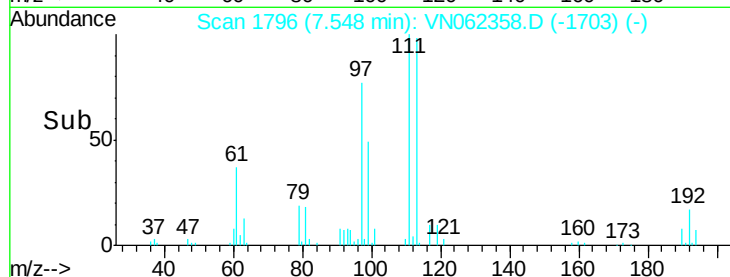
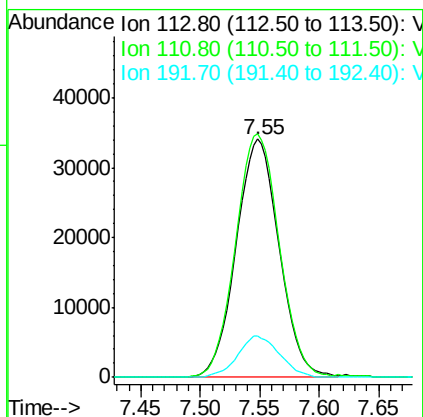
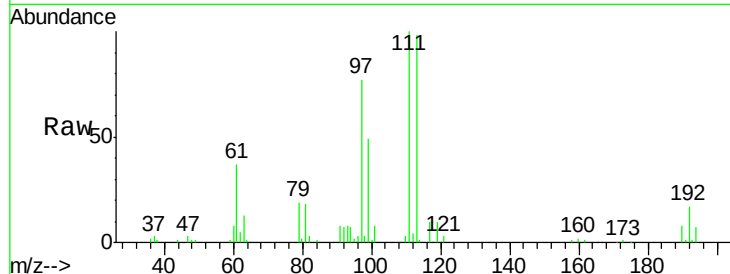




#35
 Dibromofluoromethane
 Concen: 51.290 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

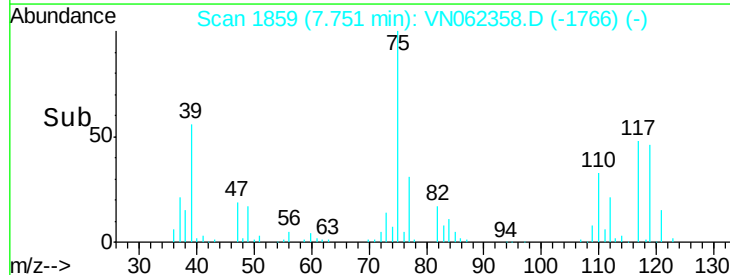
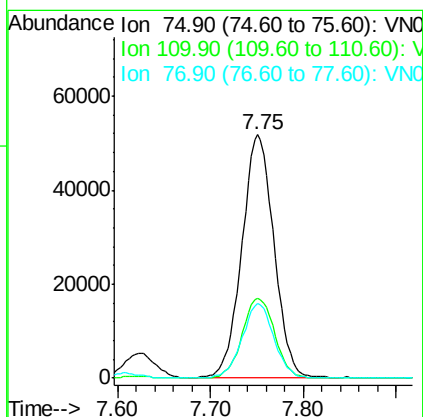
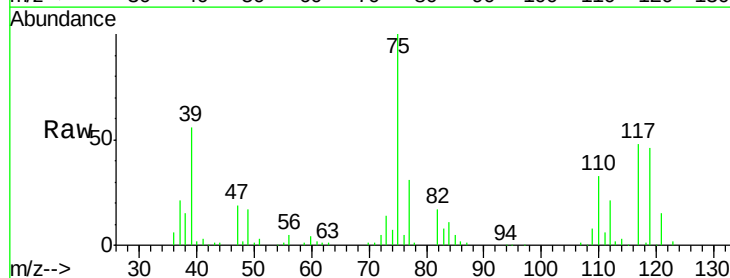
Instrument :
 MSVOA_N
 ClientSampleId :

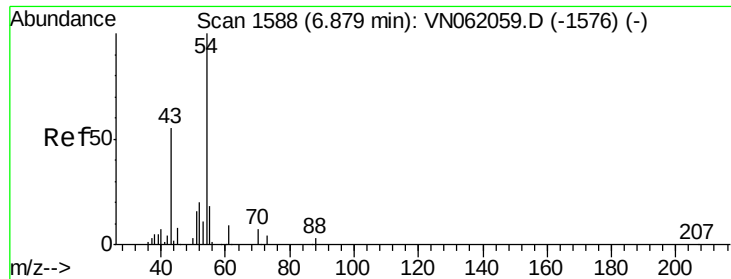
Tot Ion:113 Resp: 85278
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.2 123.4
 192 16.8 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 47.843 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion: 75 Resp: 124630
 Ion Ratio Lower Upper
 75 100
 110 33.1 17.9 53.8
 77 30.4 24.9 37.3

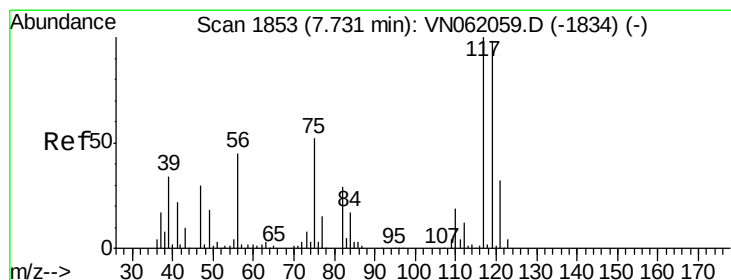
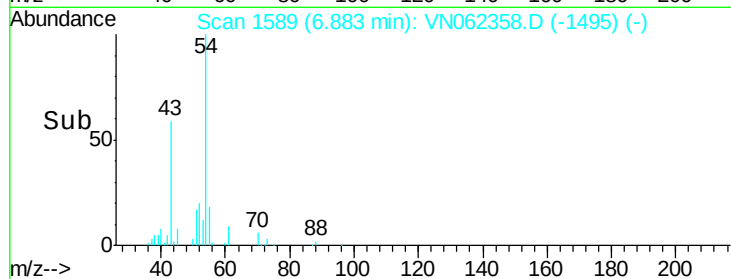
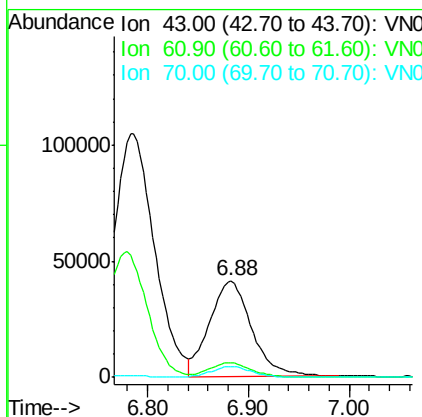
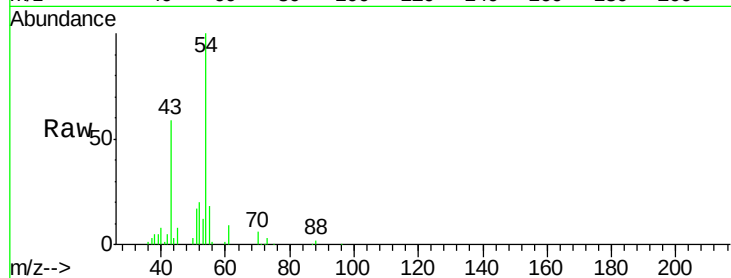




#37
Ethyl Acetate
Concen: 55.514 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

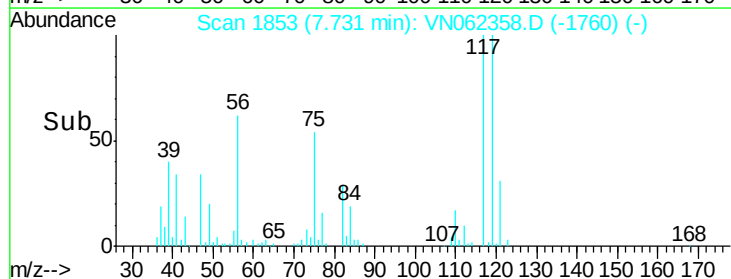
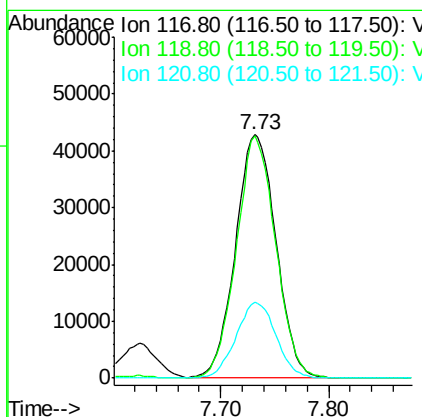
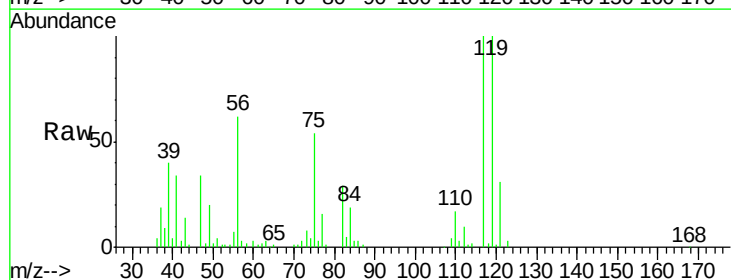
Instrument :
MSVOA_N
ClientSampled :

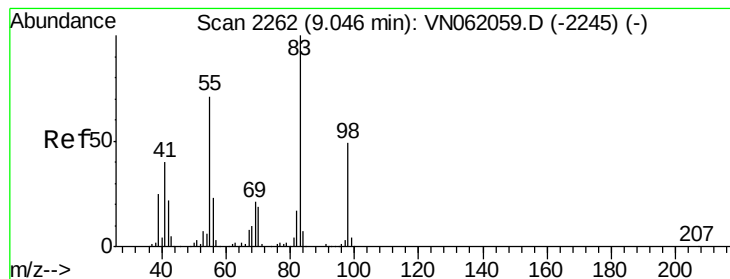
Tot Ion: 43 Resp: 119747
Ion Ratio Lower Upper
43 100
61 15.2 12.0 18.0
70 10.7 9.6 14.4



#38
Carbon Tetrachloride
Concen: 45.634 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion: 117 Resp: 112074
Ion Ratio Lower Upper
117 100
119 99.5 78.2 117.2
121 31.2 25.8 38.6





#39

Methylvlcyclohexane

Concen: 41.240 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampled :

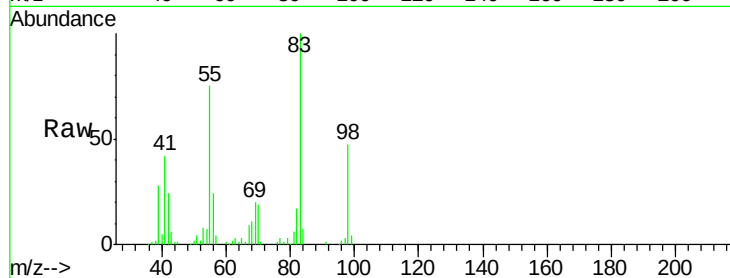
Tot Ion: 83 Resp: 117710

Ion Ratio Lower Upper

83 100

55 74.5 57.0 85.6

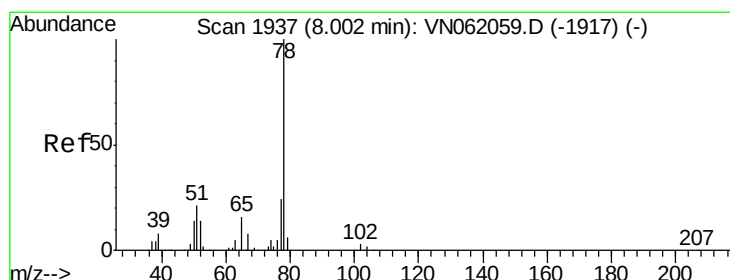
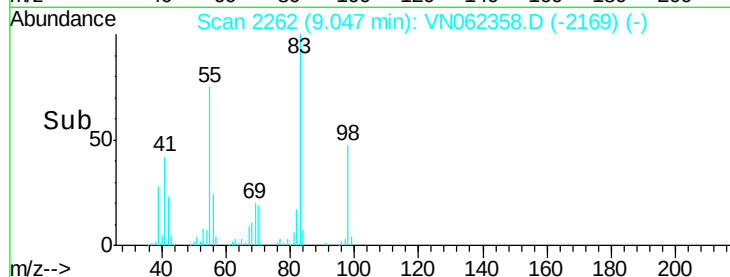
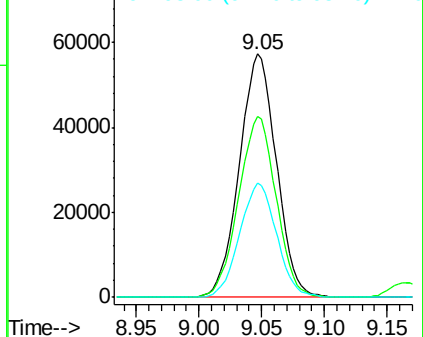
98 46.7 39.0 58.6



Abundance Ion 83.00 (82.70 to 83.70): VN062358.D (-2169) (-)

Ion 55.00 (54.70 to 55.70): VN062358.D (-2169) (-)

Ion 98.00 (97.70 to 98.70): VN062358.D (-2169) (-)



#40

Benzene

Concen: 51.104 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN062358.D

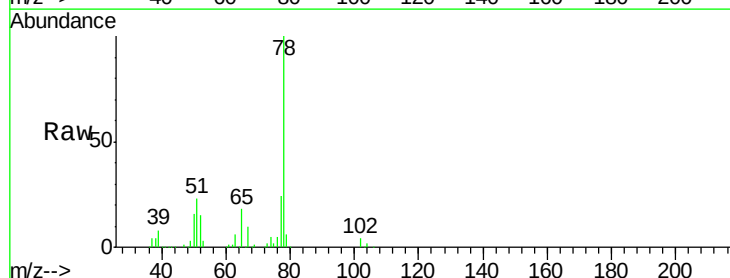
Acq: 3 Jul 2020 1:21

Tgt Ion: 78 Resp: 405758

Ion Ratio Lower Upper

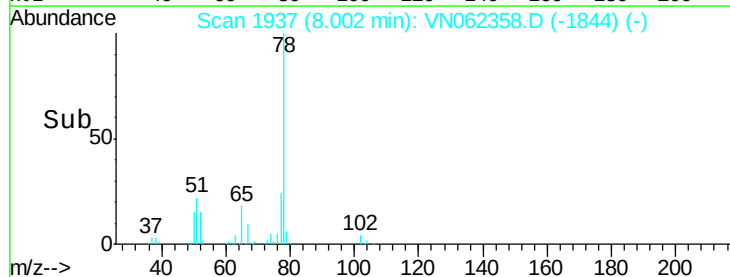
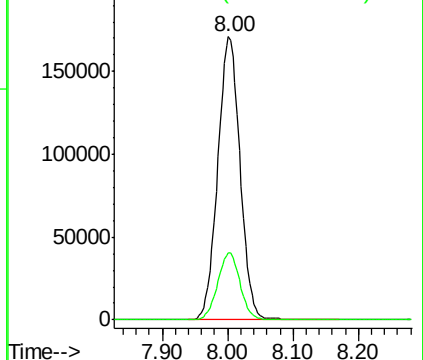
78 100

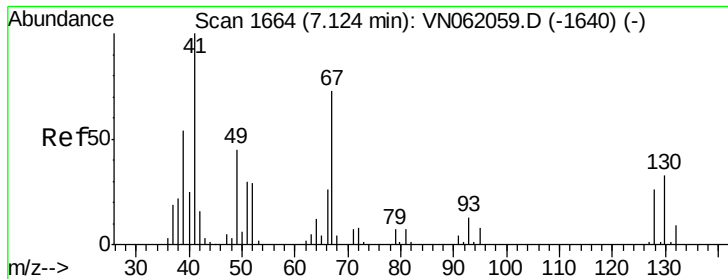
77 23.7 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VN062358.D (-1844) (-)

Ion 77.00 (76.70 to 77.70): VN062358.D (-1844) (-)

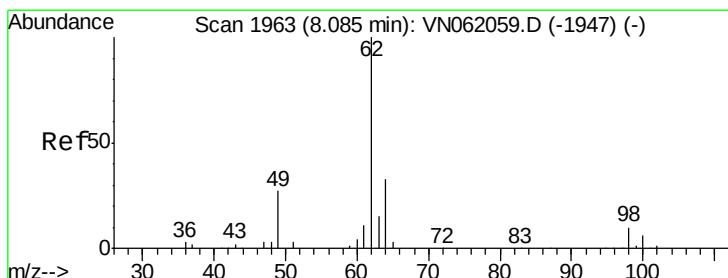
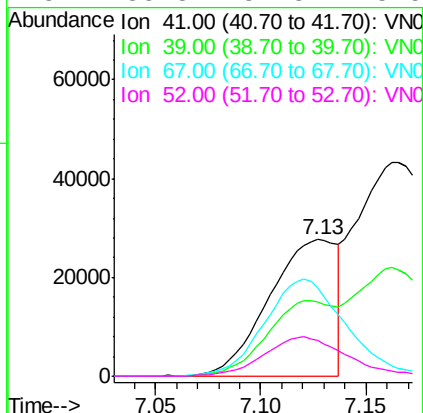
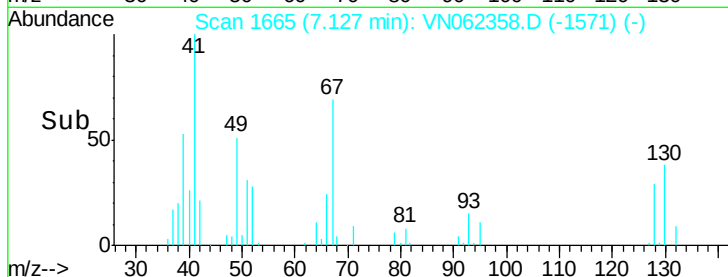
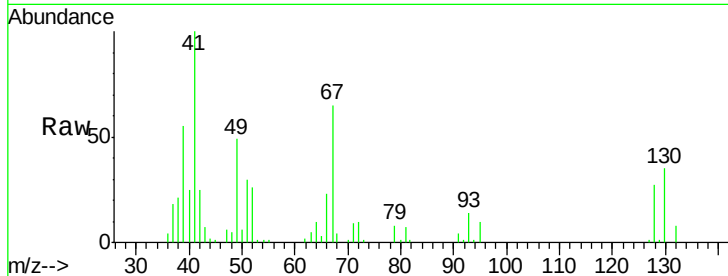




#41
Methacrylonitrile
Concen: 61.978 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

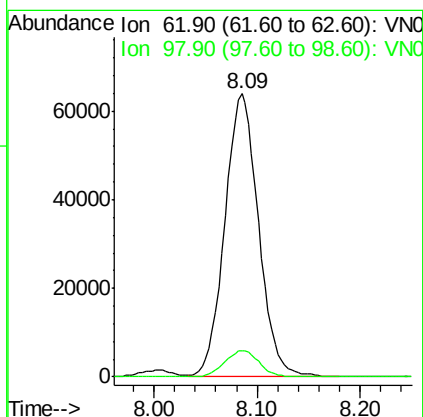
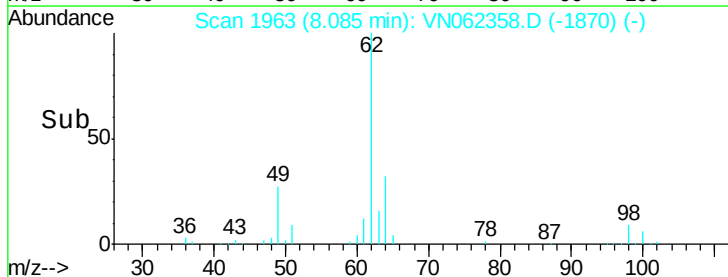
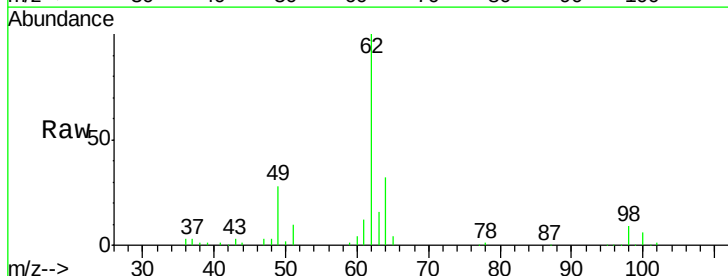
Instrument :
MSVOA_N
ClientSampled :

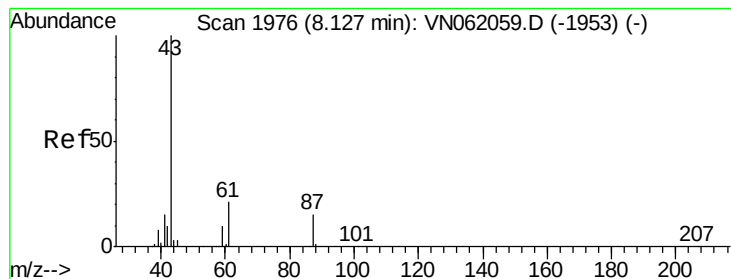
Tot Ion: 41 Resp: 61980
Ion Ratio Lower Upper
41 100
39 55.3 44.2 66.2
67 85.5 79.5 119.3
52 35.8 32.3 48.5



#42
1,2-Dichloroethane
Concen: 54.299 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion: 62 Resp: 145663
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.8





#43

Isopropyl Acetate

Concen: 57.223 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

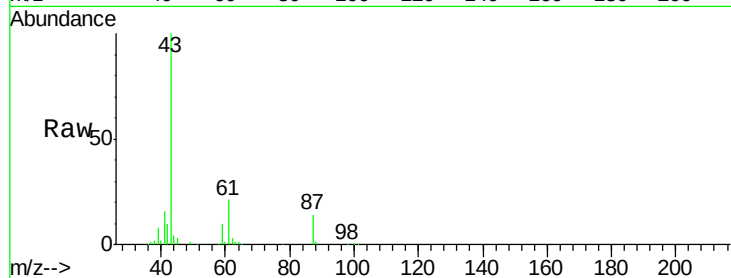
Tot Ion: 43 Resp: 201217

Ion Ratio Lower Upper

43 100

61 21.3 17.2 25.8

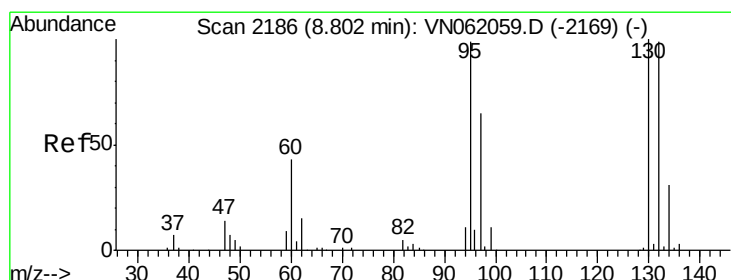
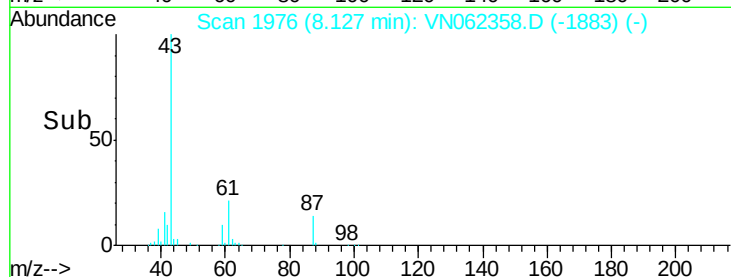
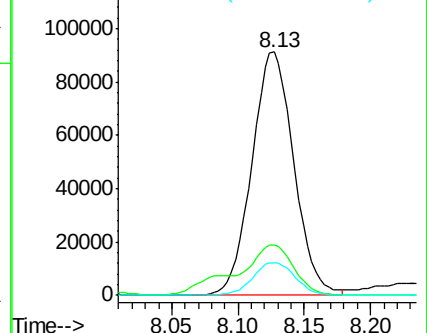
87 13.6 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VN062358.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062358.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062358.D (-1883) (-)



#44

Trichloroethene

Concen: 45.159 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062358.D

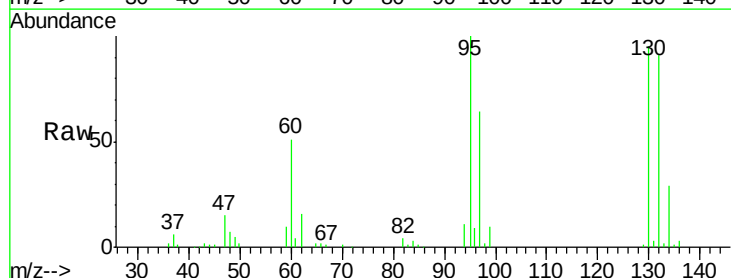
Acq: 3 Jul 2020 1:21

Tgt Ion:130 Resp: 90447

Ion Ratio Lower Upper

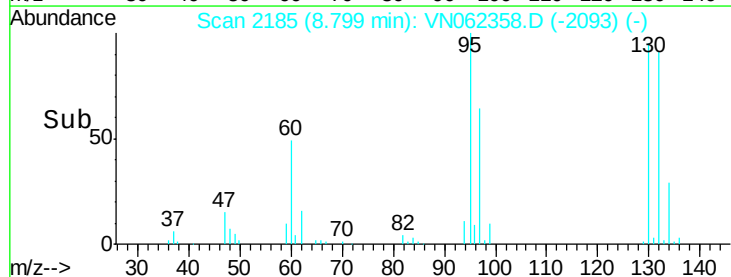
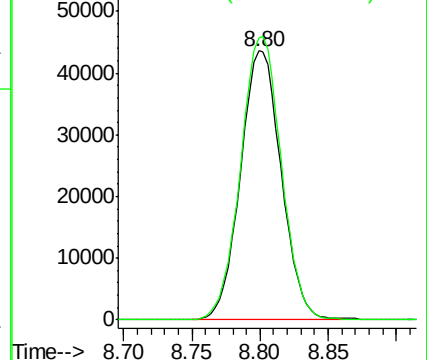
130 100

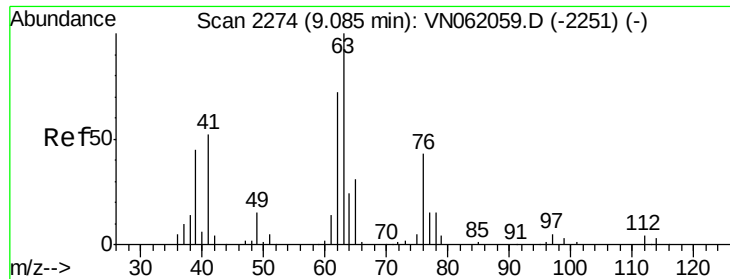
95 104.9 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN062358.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062358.D (-2093) (-)

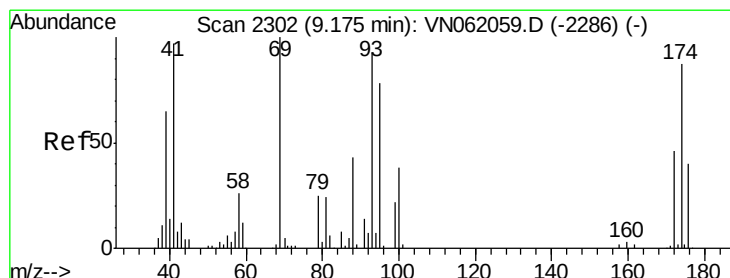
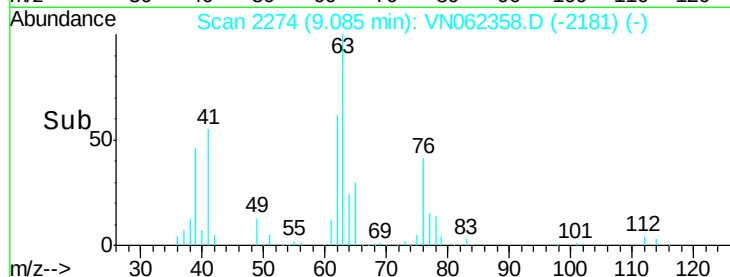
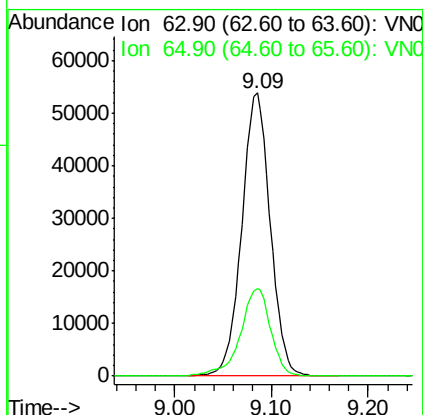
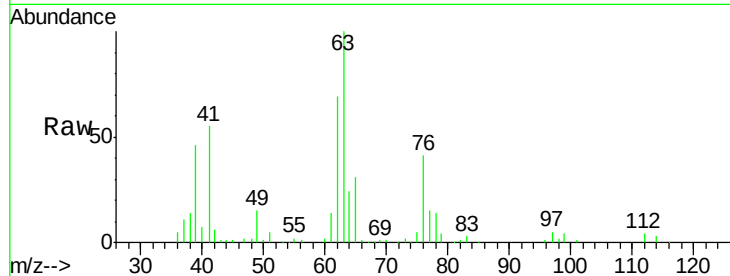




#45
 1,2-Dichloropropane
 Concen: 56.275 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

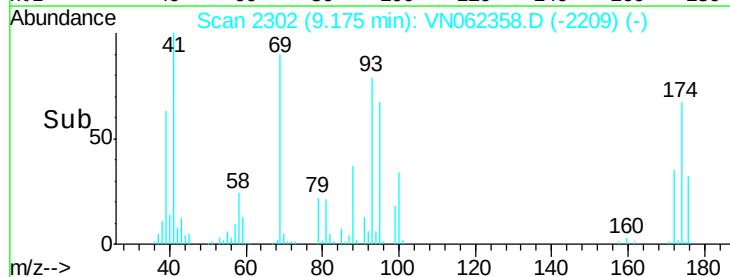
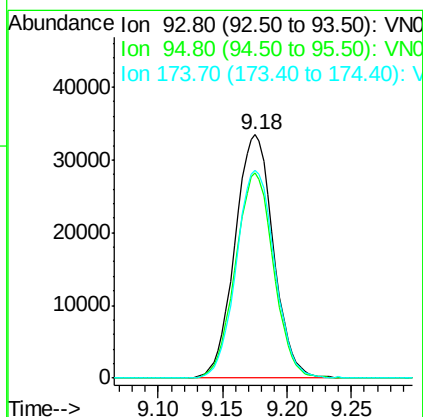
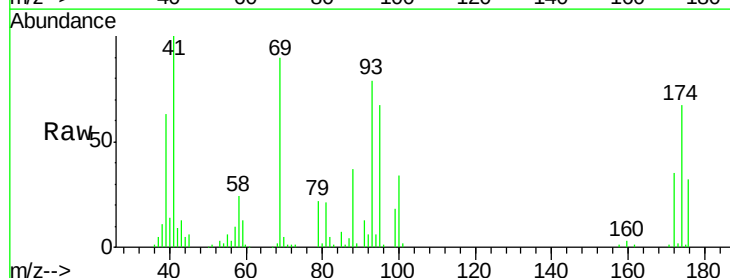
Instrument :
 MSVOA_N
 ClientSampled :

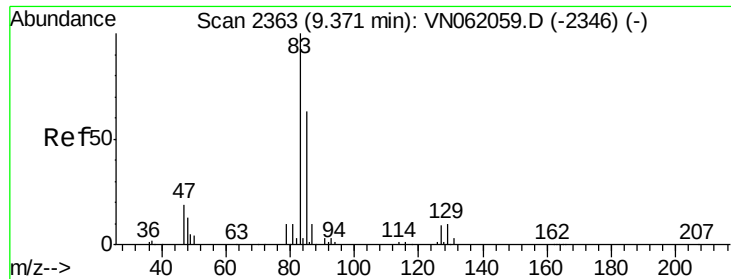
Tot Ion: 63 Resp: 110233
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.4



#46
 Dibromomethane
 Concen: 52.289 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion: 93 Resp: 69444
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.6
 174 85.0 74.4 111.6





#47

Bromodichloromethane

Concen: 54.007 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

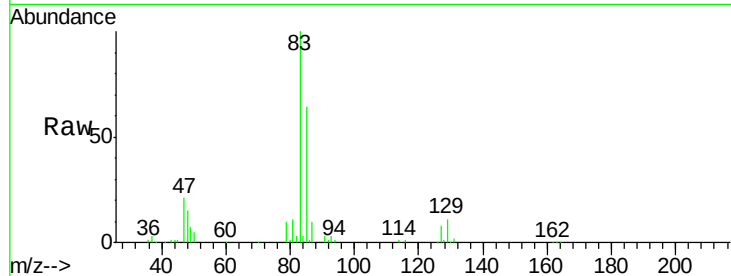
Tot Ion: 83 Resp: 144825

Ion Ratio Lower Upper

83 100

85 64.4 50.3 75.5

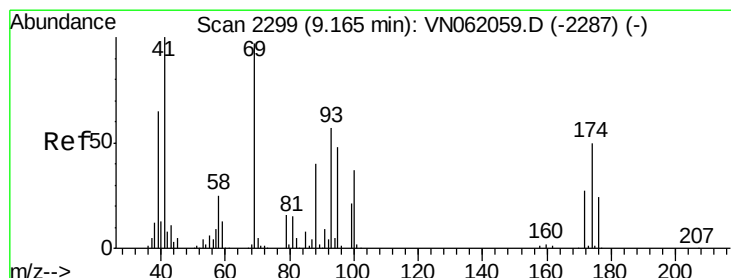
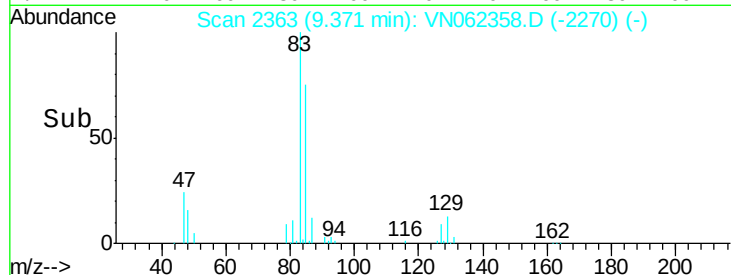
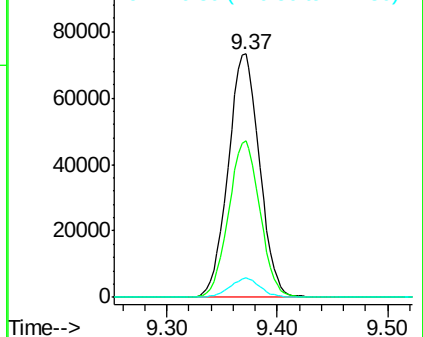
127 7.8 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN062358.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062358.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062358.D (-2270) (-)



#48

Methyl methacrylate

Concen: 64.455 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

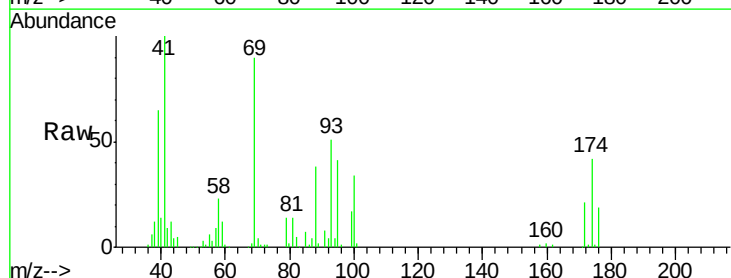
Tgt Ion: 41 Resp: 101622

Ion Ratio Lower Upper

41 100

69 90.4 80.7 121.1

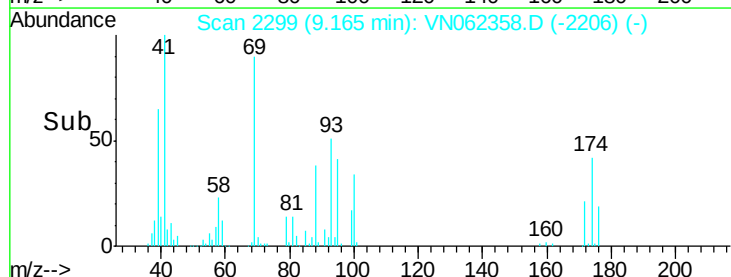
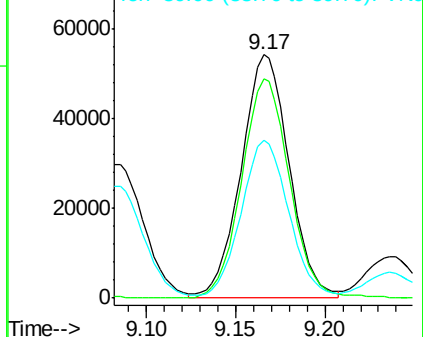
39 64.4 54.5 81.7

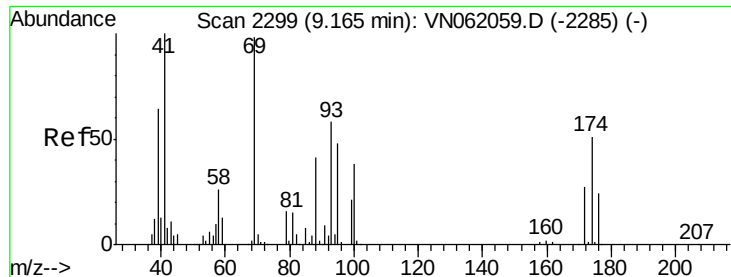


Abundance Ion 41.00 (40.70 to 41.70): VN062358.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062358.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062358.D (-2206) (-)

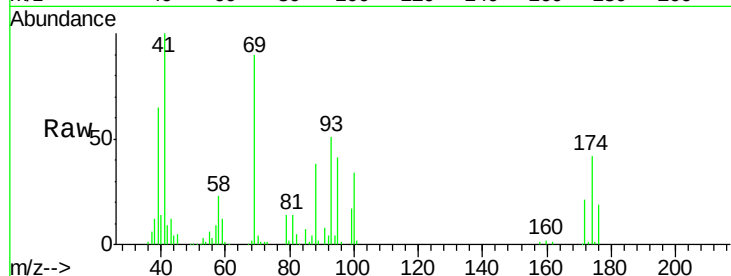




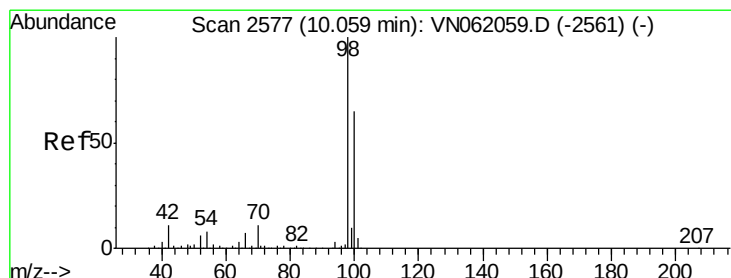
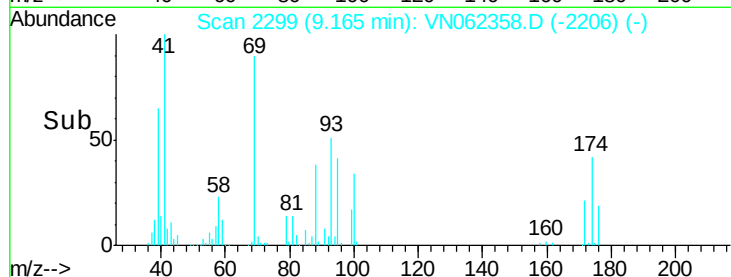
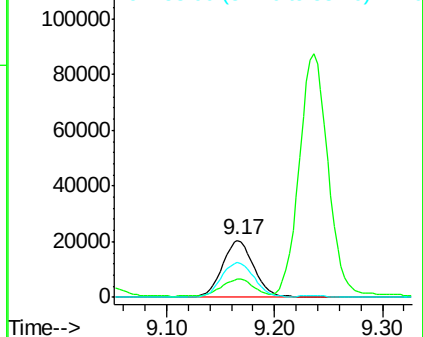
#49
1,4-Dioxane
Concen: 1192.025 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 41678
Ion Ratio Lower Upper
88 100
43 31.2 22.0 33.0
58 63.8 49.2 73.8

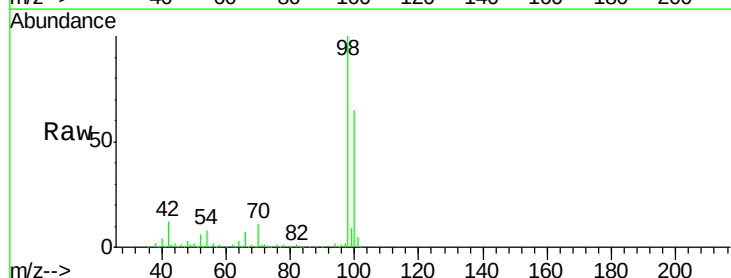


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

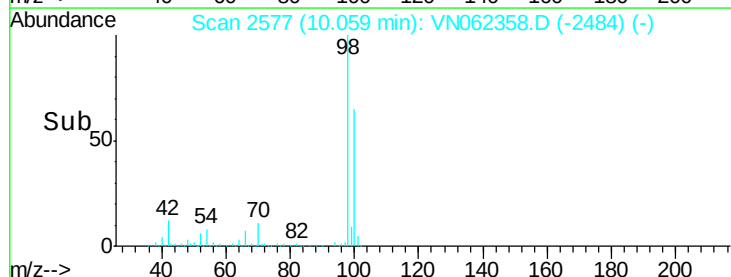
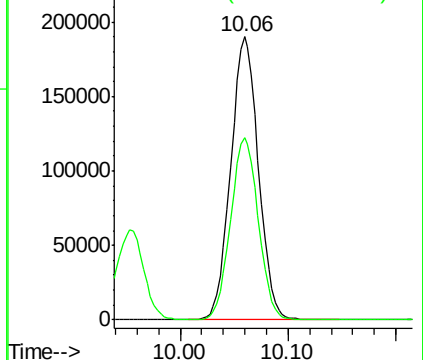


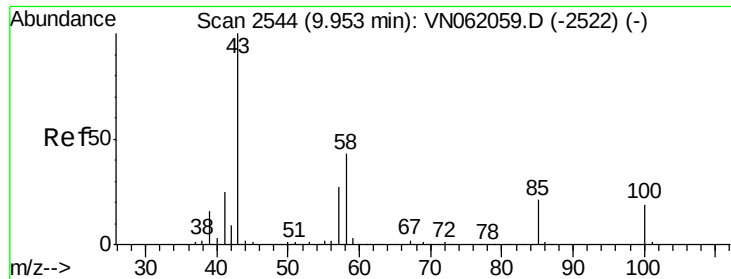
#50
Toluene-d8
Concen: 51.249 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion: 98 Resp: 340609
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 321.991 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

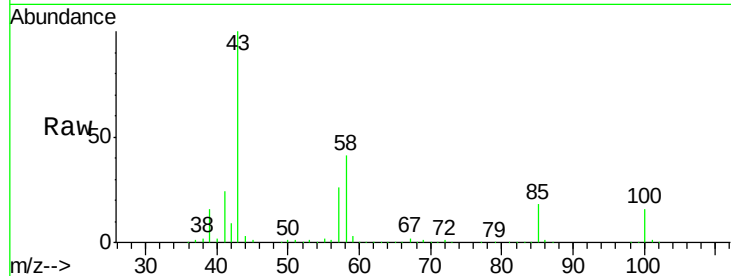
ClientSampleId :

Tot Ion: 43 Resp: 661521

Ion Ratio Lower Upper

43 100

58 41.0 34.2 51.2



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-2522) (-)

9.95

400000

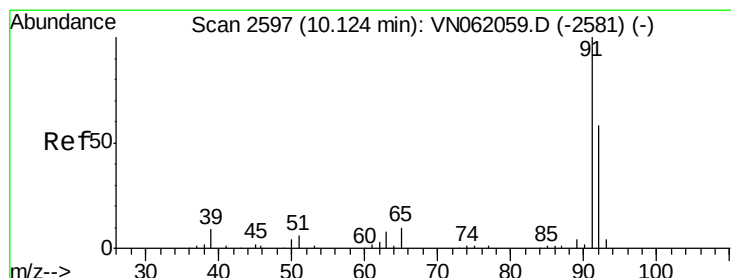
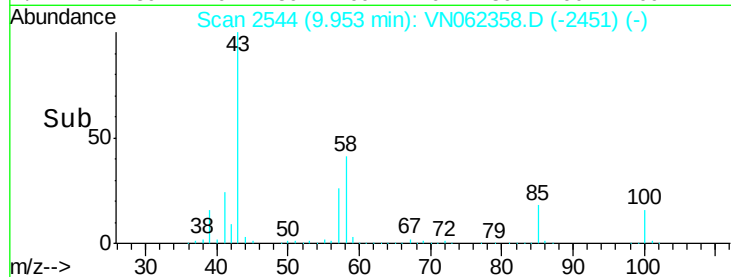
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.591 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN062358.D

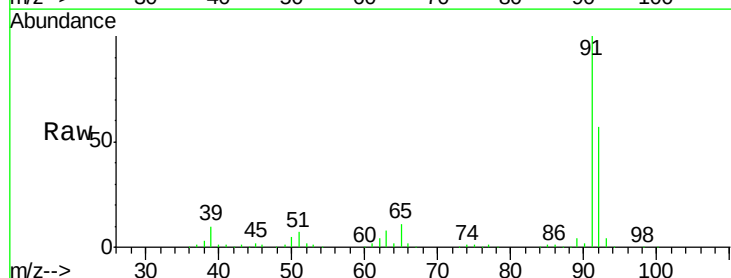
Acq: 3 Jul 2020 1:21

Tgt Ion: 92 Resp: 249935

Ion Ratio Lower Upper

92 100

91 175.0 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN062059.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062059.D (-2581) (-)

10.12

250000

200000

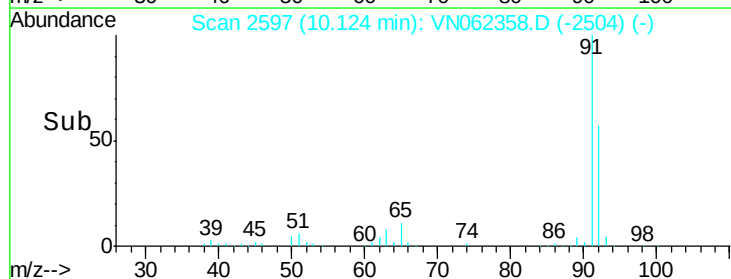
150000

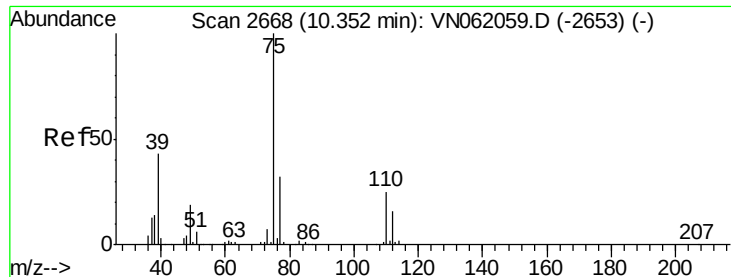
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.968 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

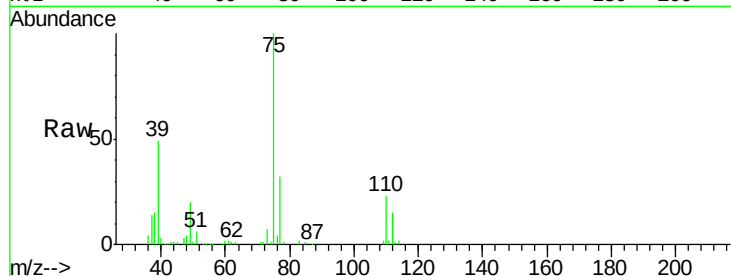
ClientSampled :

Tot Ion: 75 Resp: 159219

Ion Ratio Lower Upper

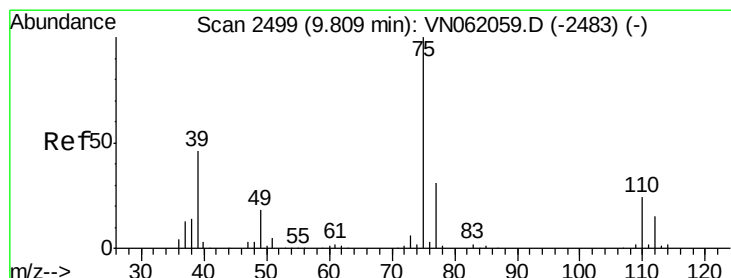
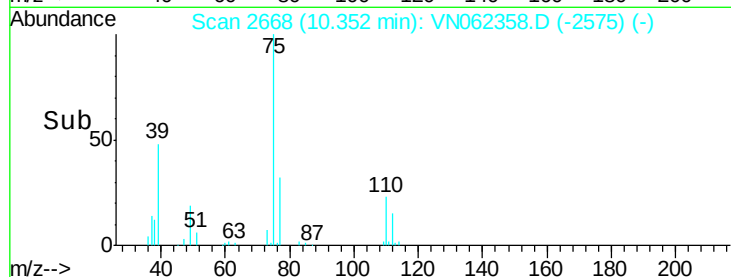
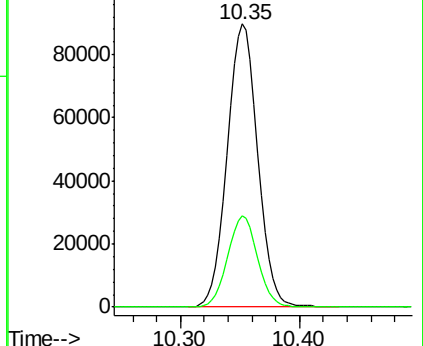
75 100

77 32.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 52.528 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

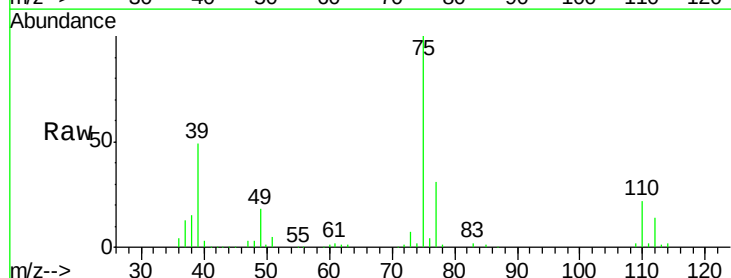
Tgt Ion: 75 Resp: 164988

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.6

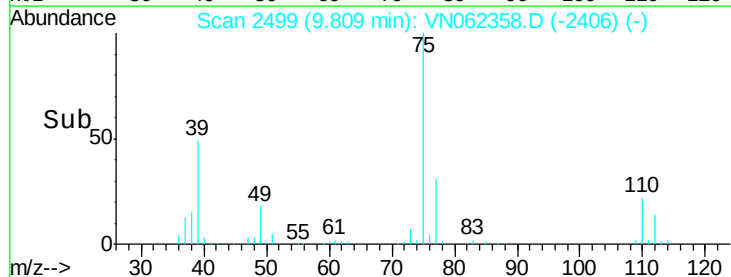
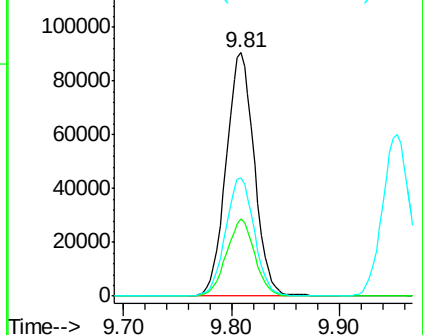
39 48.7 36.9 55.3

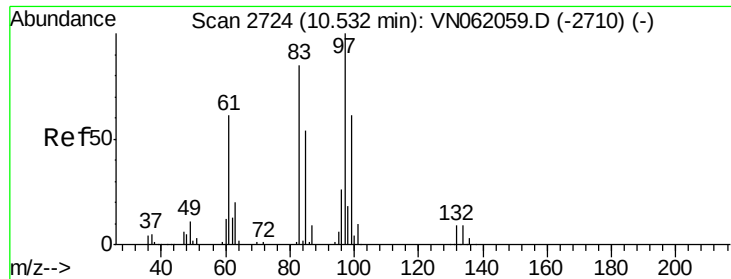


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 55.205 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 105130

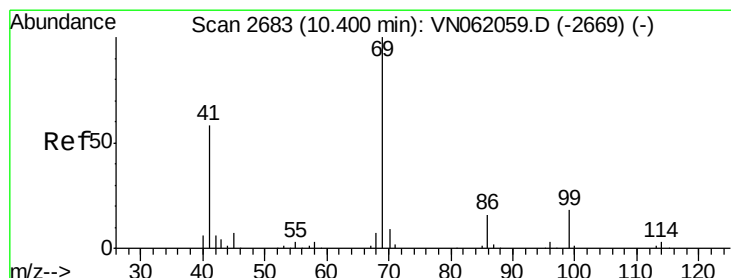
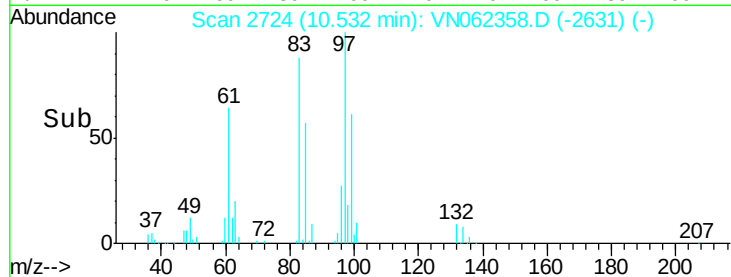
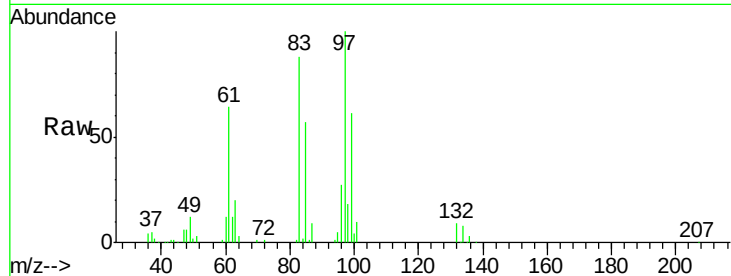
Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.2	102.2
85	57.2	43.2	64.8
99	61.2	48.5	72.7

Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 60.989 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

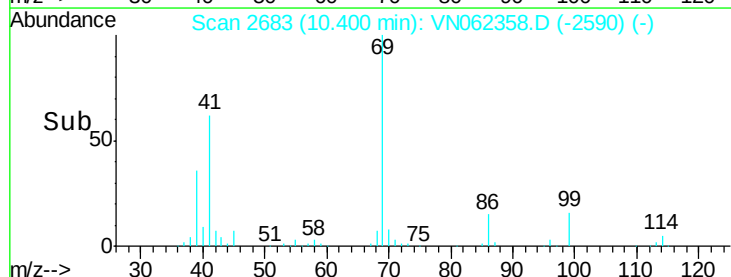
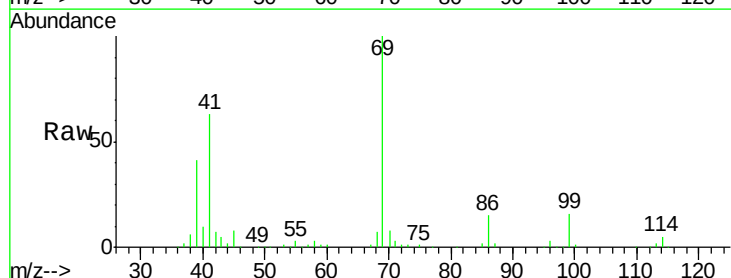
Tgt Ion: 69 Resp: 154998

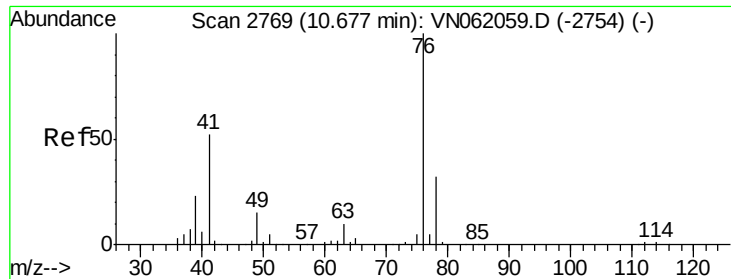
Ion	Ratio	Lower	Upper
69	100		
41	62.2	46.6	70.0
39	39.7	31.0	46.4

Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

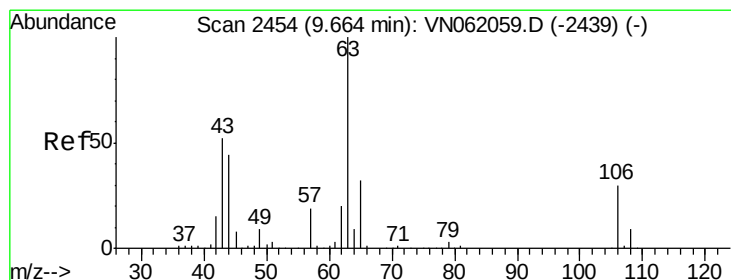
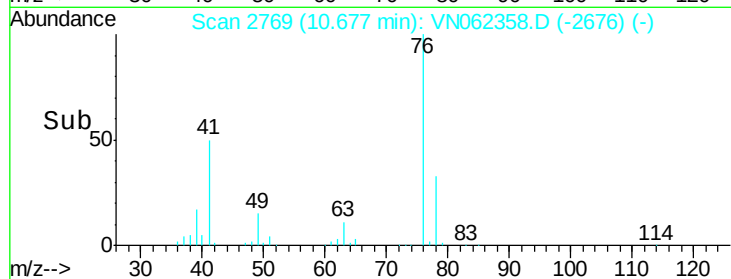
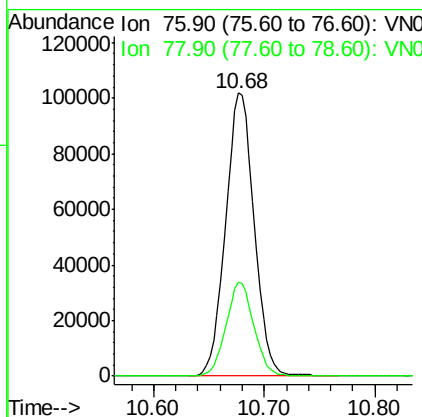
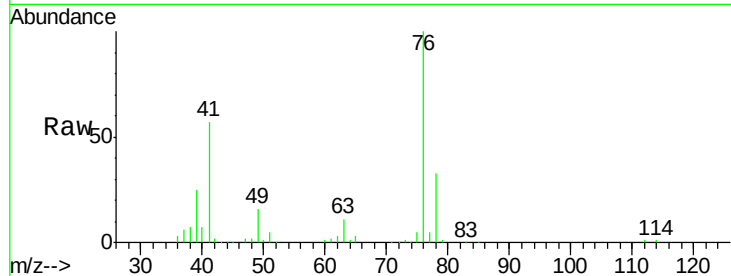




#57
 1,3-Dichloropropane
 Concen: 55.699 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

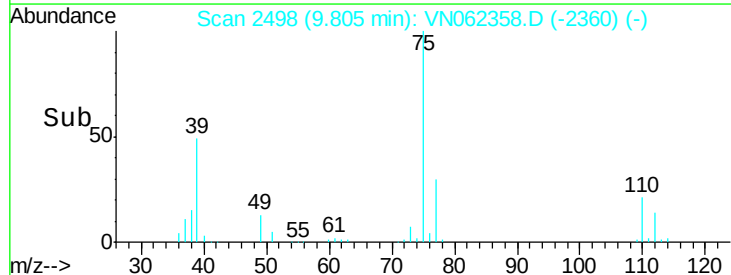
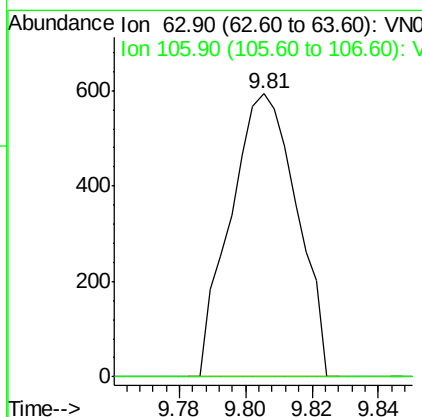
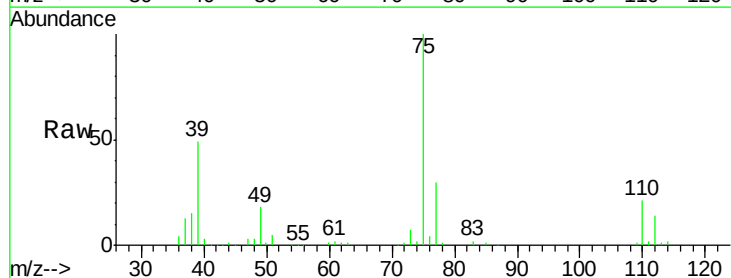
Instrument :
 MSVOA_N
 ClientSampled :

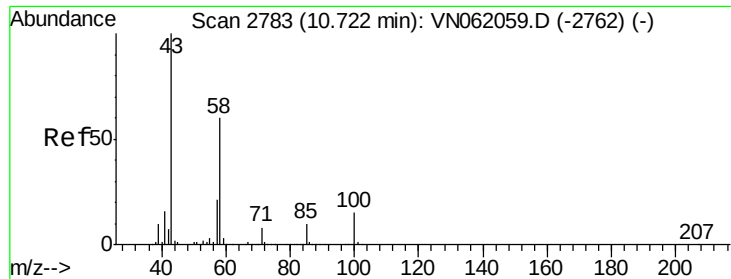
Tot Ion: 76 Resp: 182574
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 16.814 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. 0.14 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion: 63 Resp: 823
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.2 34.8#

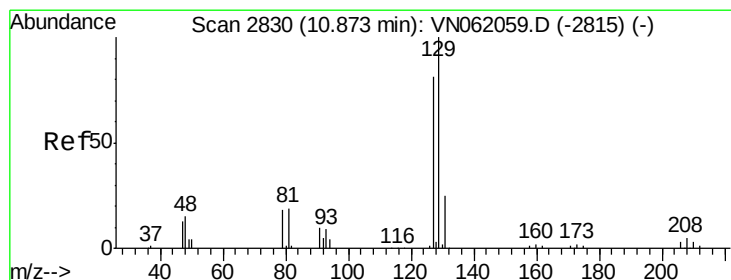
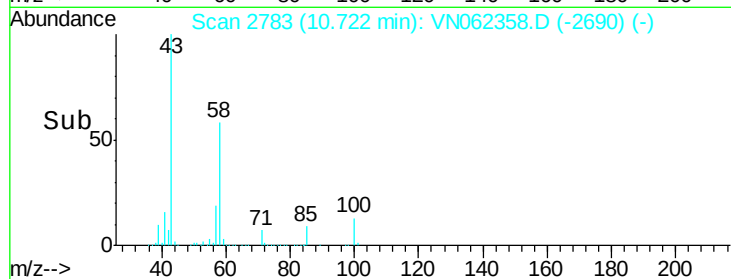
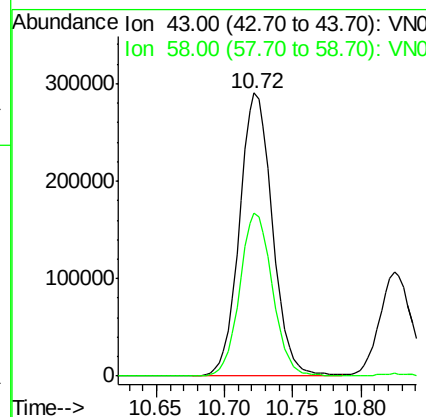
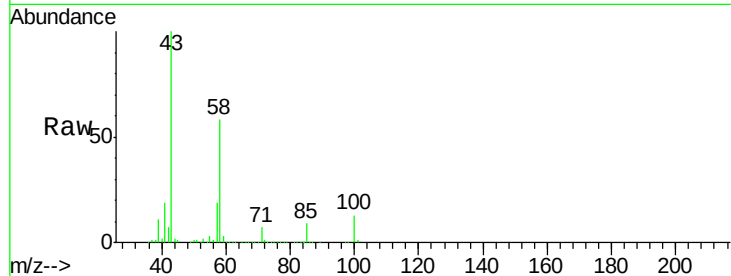




#59
2-Hexanone
Concen: 327.012 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

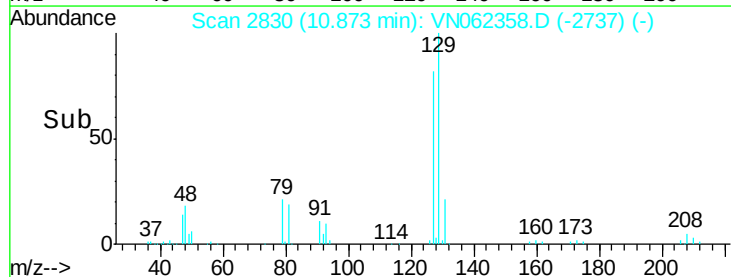
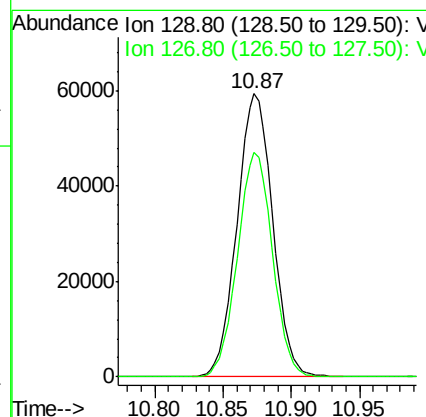
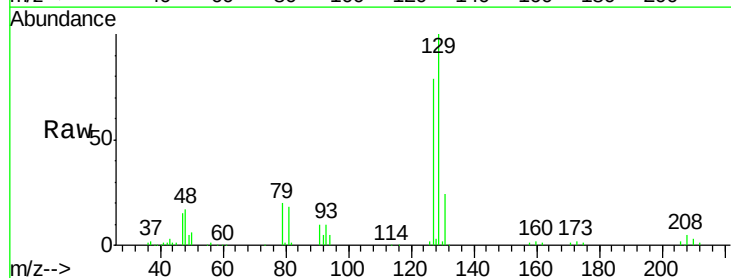
Instrument :
MSVOA_N
ClientSampled :

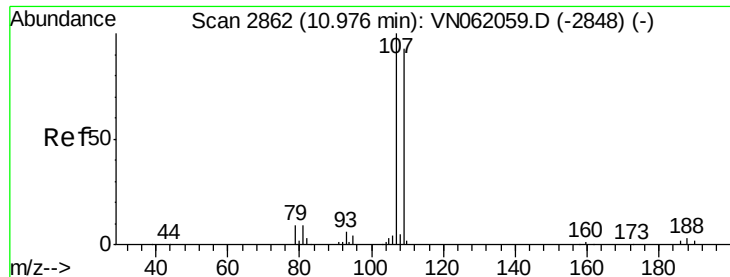
Tot Ion: 43 Resp: 485131
Ion Ratio Lower Upper
43 100
58 57.5 29.5 88.5



#60
Dibromochloromethane
Concen: 53.535 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion: 129 Resp: 107936
Ion Ratio Lower Upper
129 100
127 77.6 39.5 118.5

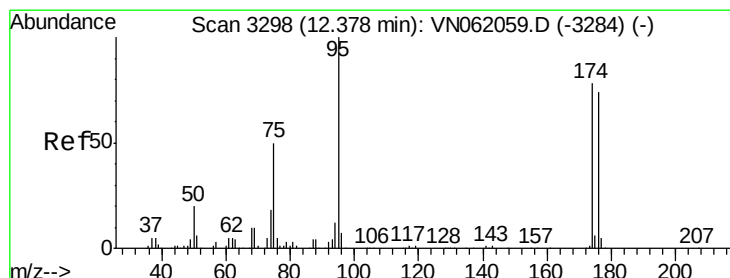
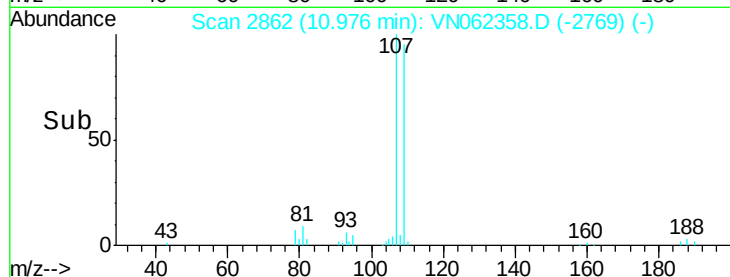
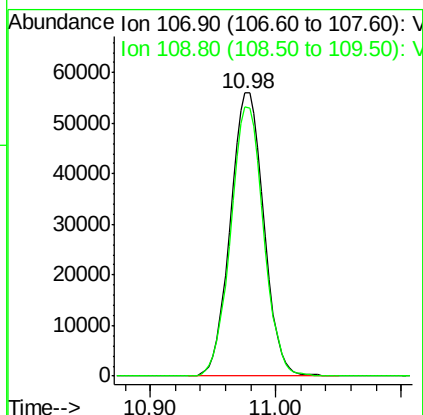
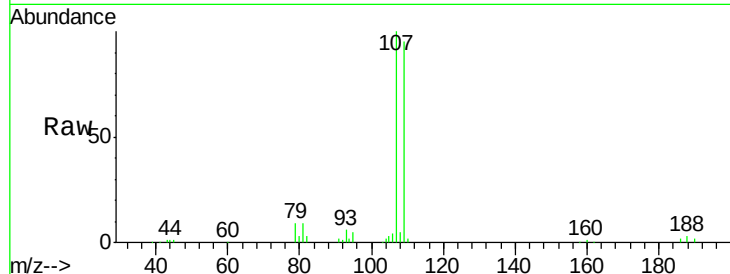




#61
 1,2-Dibromoethane
 Concen: 52.838 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

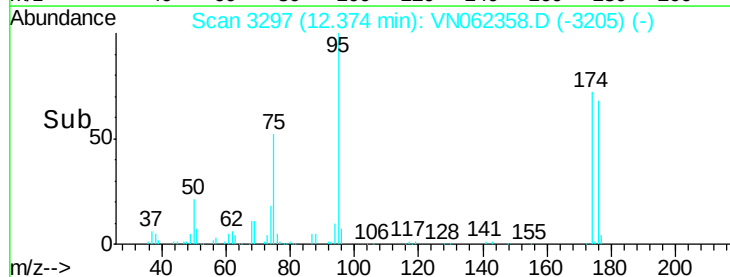
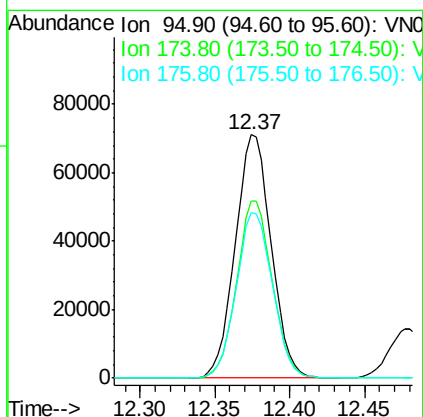
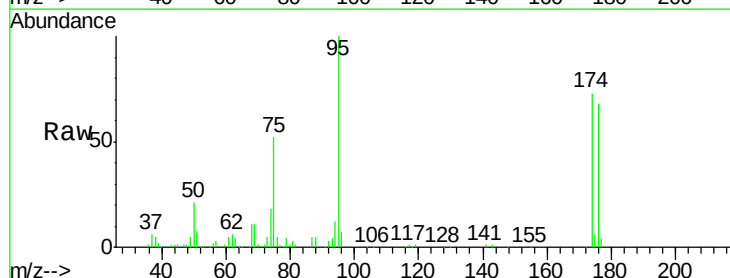
Instrument :
 MSVOA_N
 ClientSampleId :

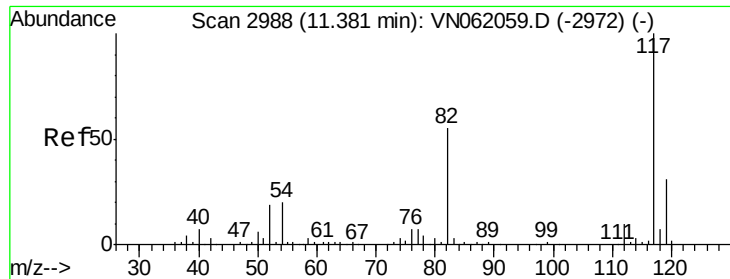
Tot Ion:107 Resp: 103391
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.953 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion: 95 Resp: 118904
 Ion Ratio Lower Upper
 95 100
 174 71.9 0.0 154.8
 176 68.5 0.0 147.4

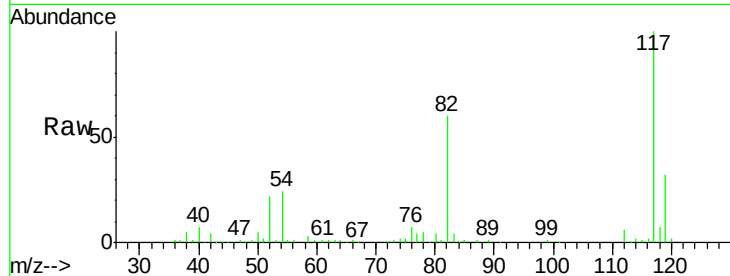




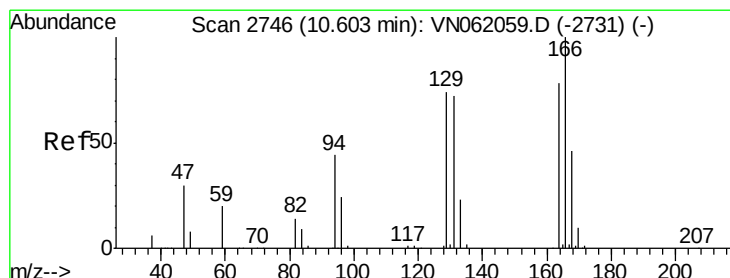
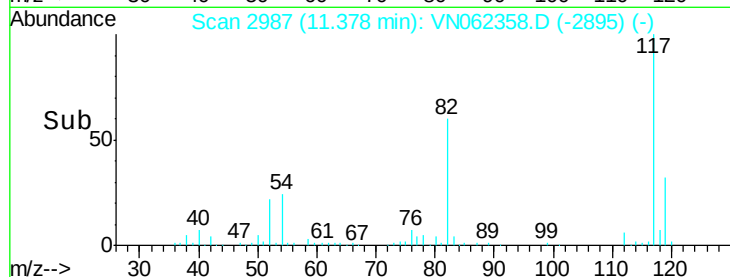
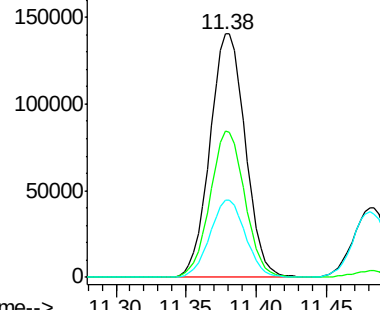
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 247078
Ion Ratio Lower Upper
117 100
82 60.4 43.8 65.8
119 31.7 25.2 37.8

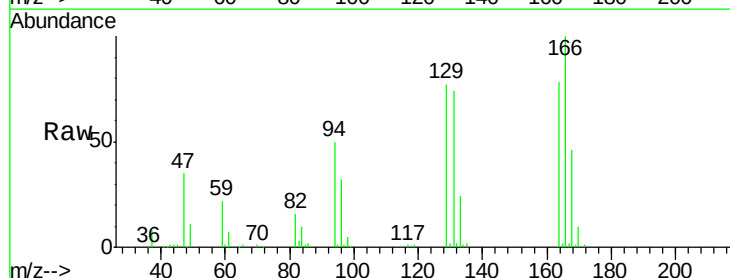


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

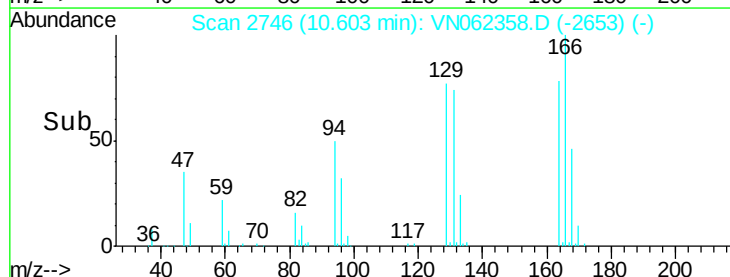
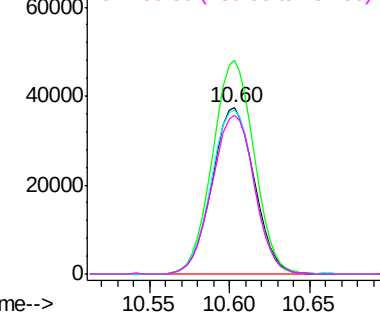


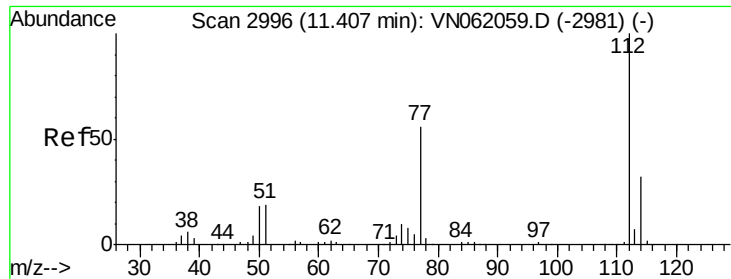
#64
Tetrachloroethene
Concen: 39.956 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion:164 Resp: 67437
Ion Ratio Lower Upper
164 100
166 128.5 102.9 154.3
129 98.9 75.8 113.8
131 95.7 73.8 110.6



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

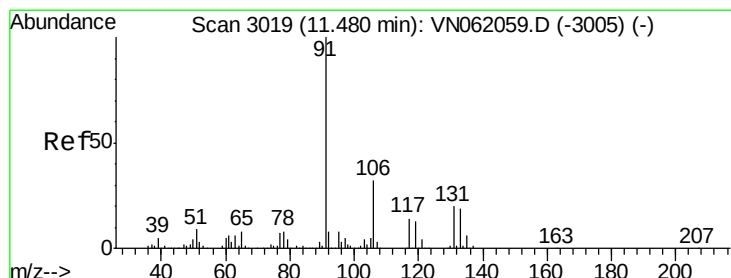
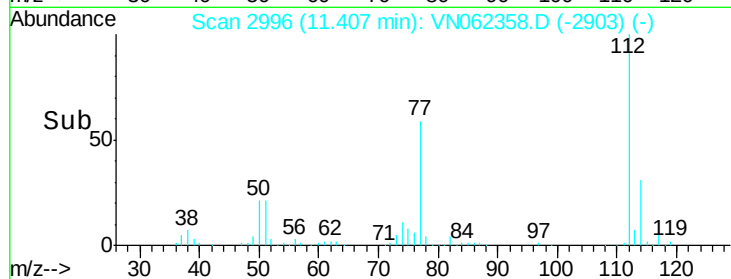
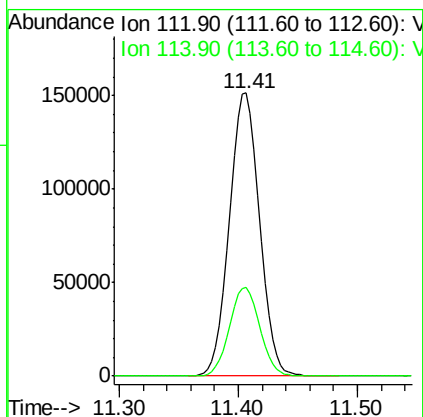
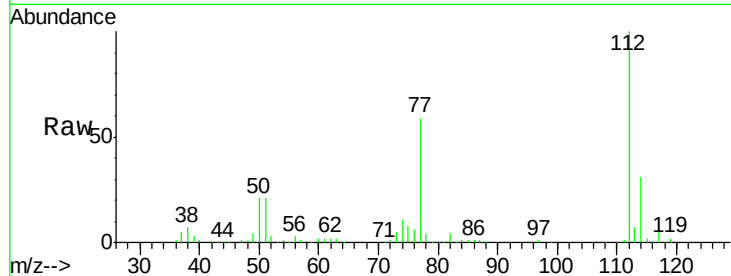




#65
Chlorobenzene
Concen: 49.137 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

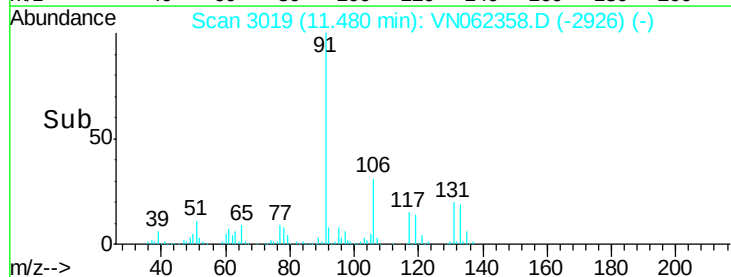
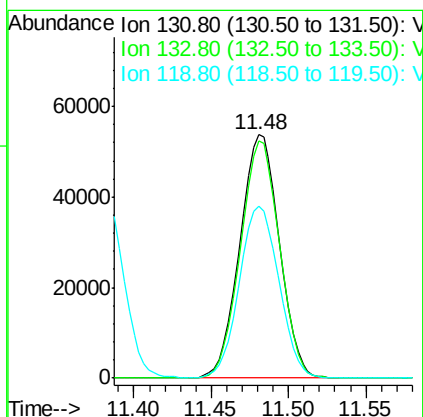
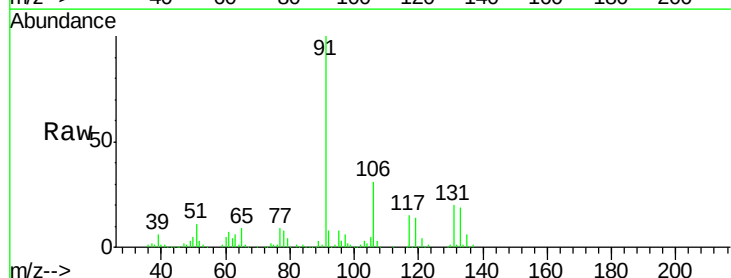
Instrument :
MSVOA_N
ClientSampleId :

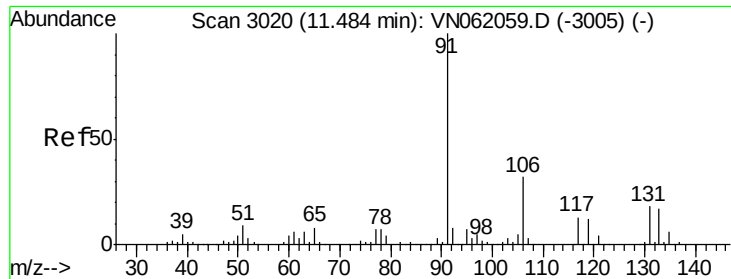
Tot Ion:112 Resp: 266612
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.963 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion:131 Resp: 95617
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.9
119 70.6 34.4 103.3

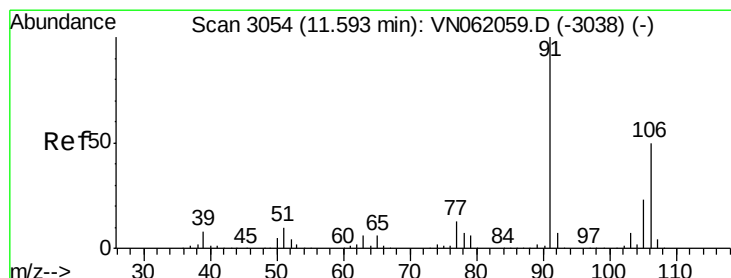
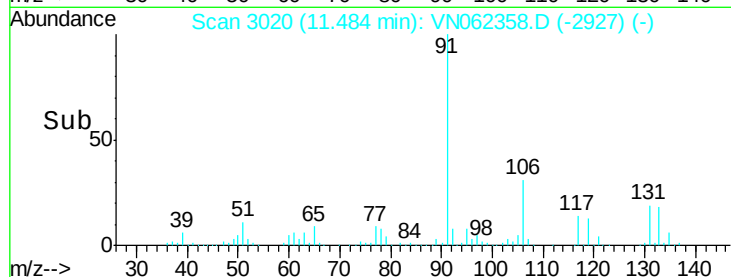
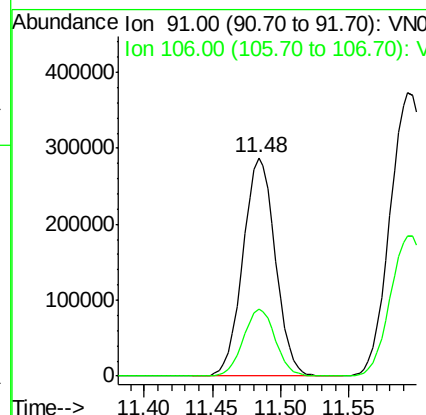
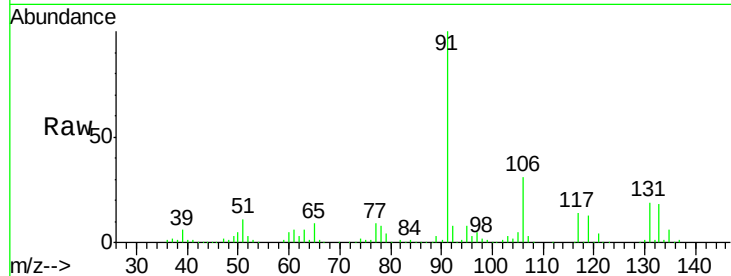




#67
Ethyl Benzene
Concen: 51.667 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

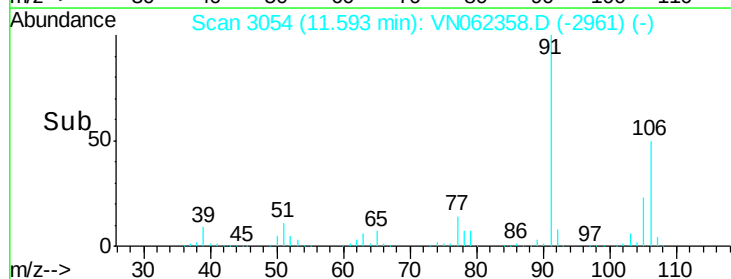
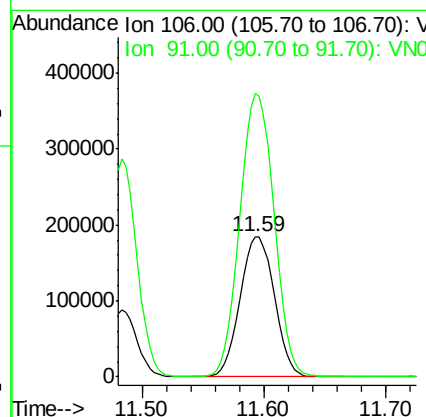
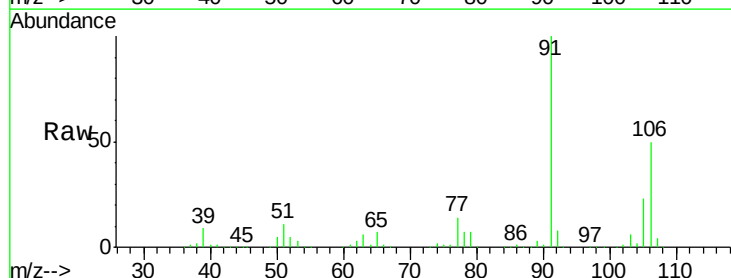
Instrument :
MSVOA_N
ClientSampled :

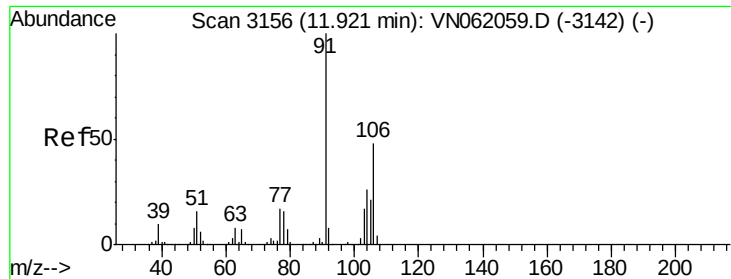
Tot Ion: 91 Resp: 473461
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9



#68
m/p-Xylenes
Concen: 101.201 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion: 106 Resp: 358690
Ion Ratio Lower Upper
106 100
91 201.8 157.8 236.8

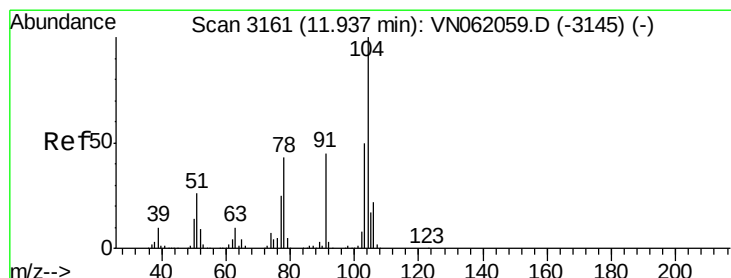
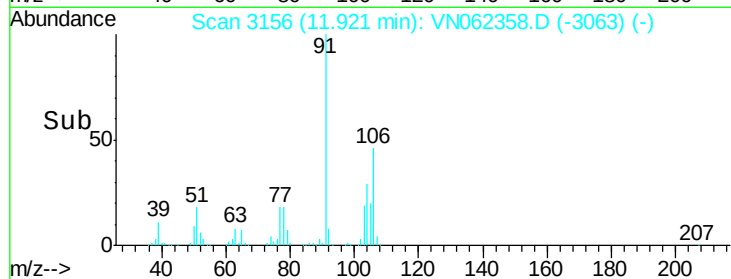
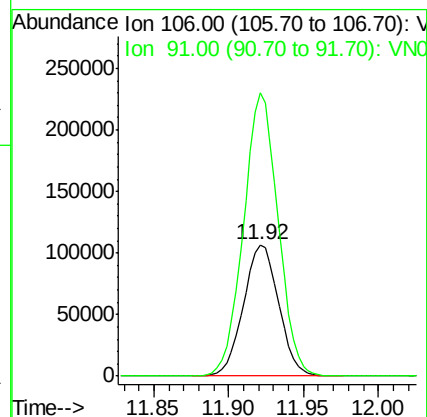
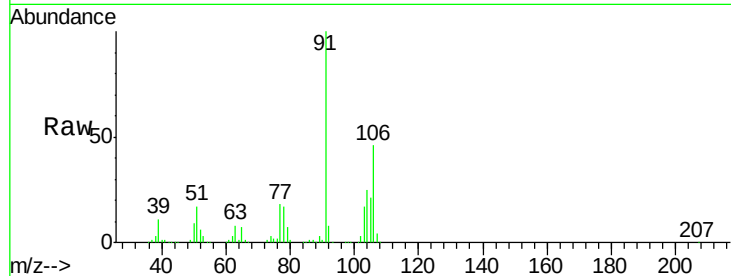




#69
o-Xylene
Concen: 52.131 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

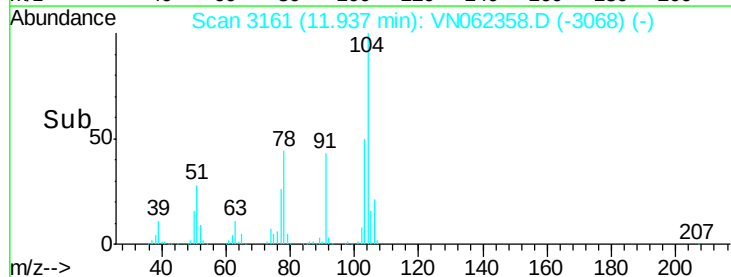
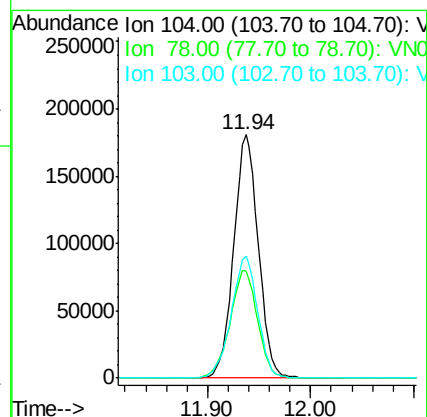
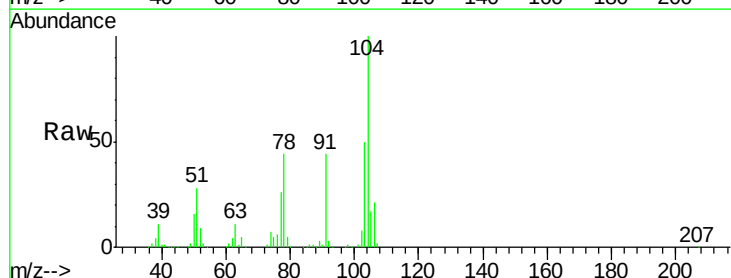
Instrument :
MSVOA_N
ClientSampled :

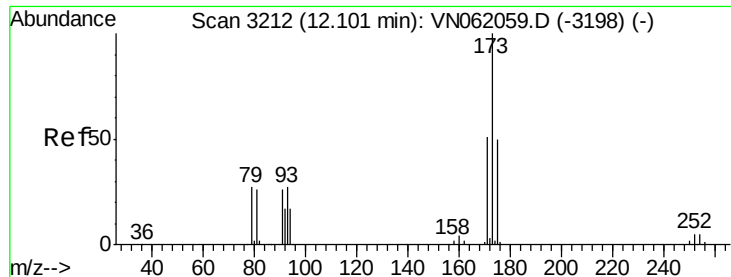
Tot Ion:106 Resp: 174332
Ion Ratio Lower Upper
106 100
91 212.8 104.0 311.9



#70
Styrene
Concen: 54.038 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion:104 Resp: 301378
Ion Ratio Lower Upper
104 100
78 49.1 37.7 56.5
103 53.9 43.0 64.6





#71

Bromoform

Concen: 52.337 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampled :

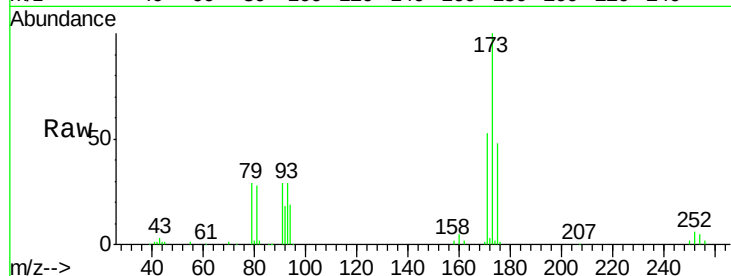
Tot Ion:173 Resp: 69816

Ion Ratio Lower Upper

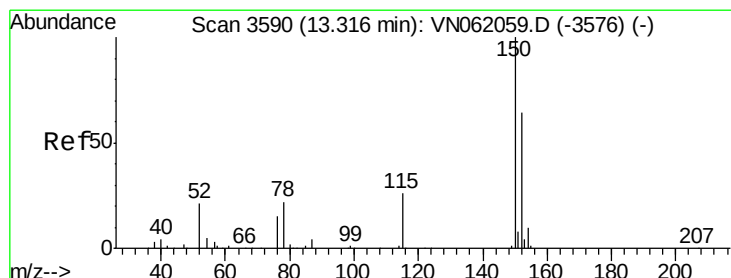
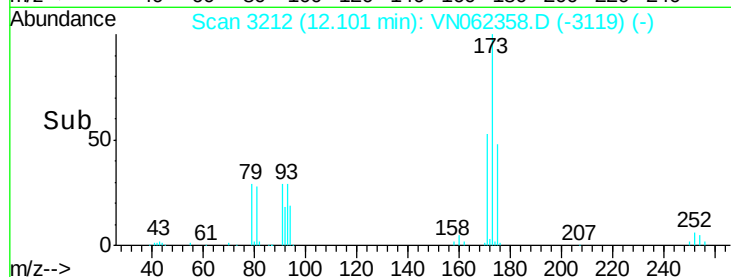
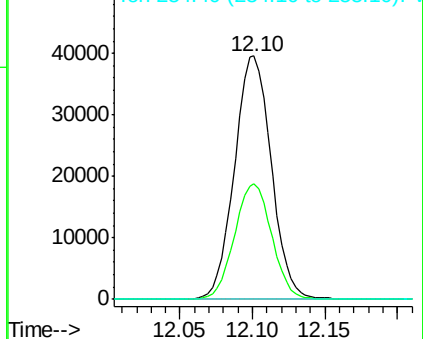
173 100

175 47.9 24.7 74.1

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: VN062358.D

Acq: 3 Jul 2020 1:21

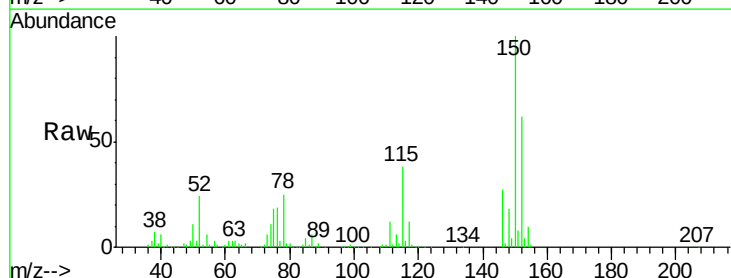
Tgt Ion:152 Resp: 118616

Ion Ratio Lower Upper

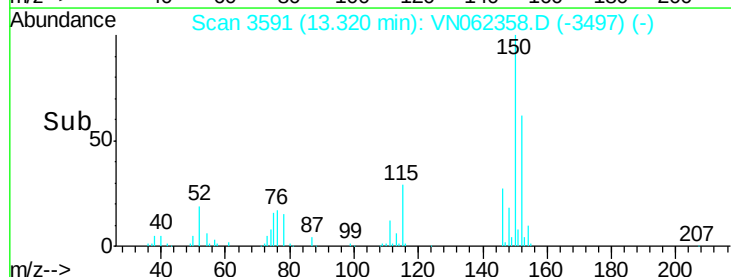
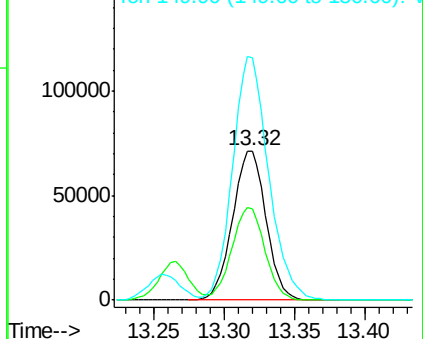
152 100

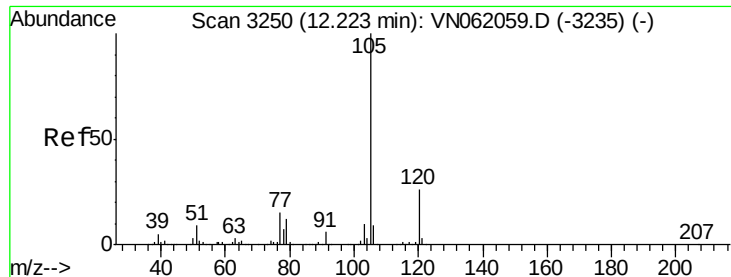
115 61.6 29.5 88.5

150 175.7 0.0 351.4



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: 48.912 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

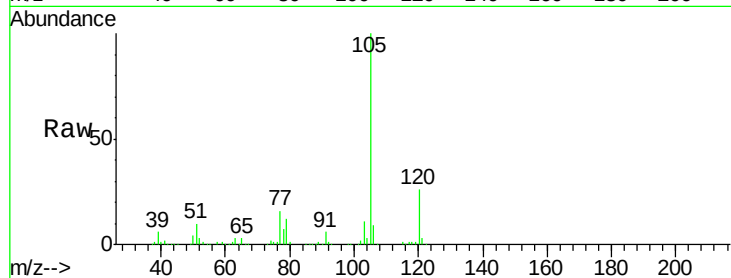
ClientSampled :

Tot Ion:105 Resp: 449102

Ion Ratio Lower Upper

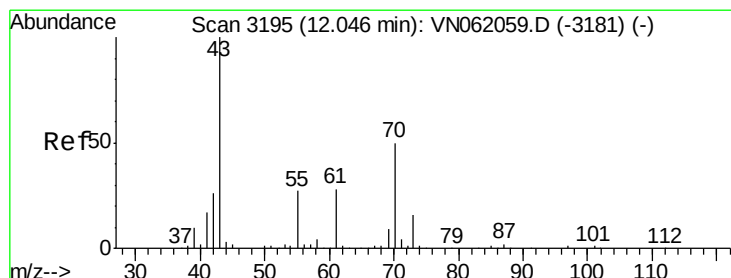
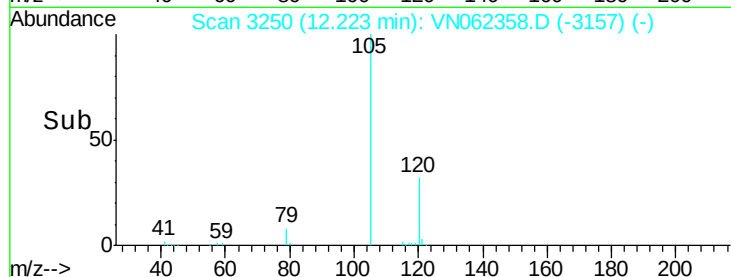
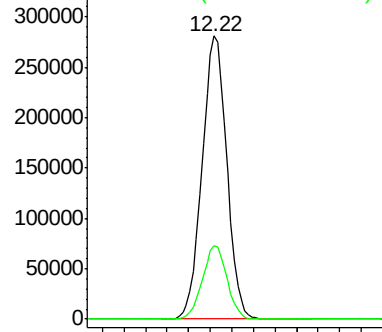
105 100

120 25.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.590 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Tgt Ion: 43 Resp: 178379

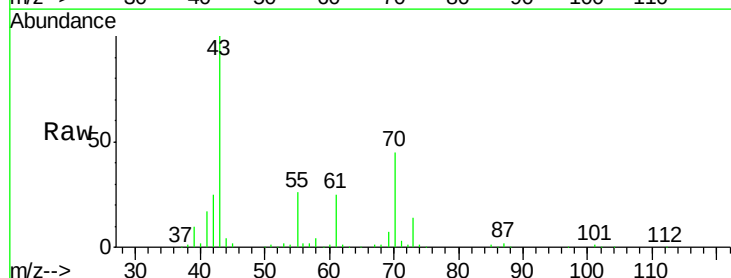
Ion Ratio Lower Upper

43 100

70 46.0 39.4 59.2

55 26.8 21.7 32.5

61 25.4 21.3 31.9

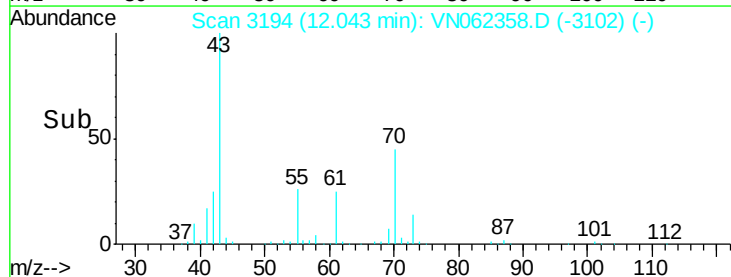
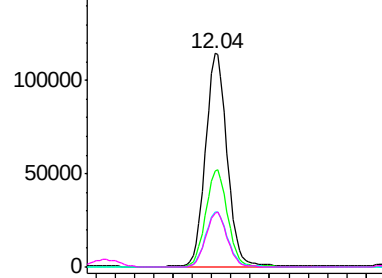


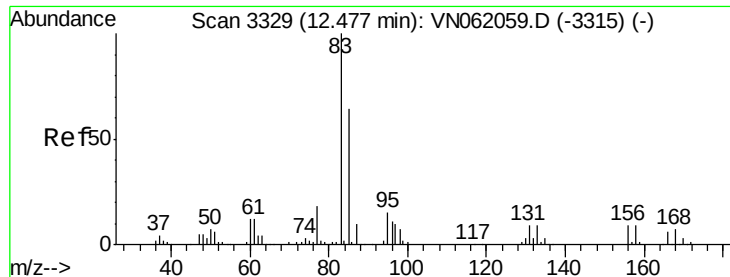
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.884 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampled :

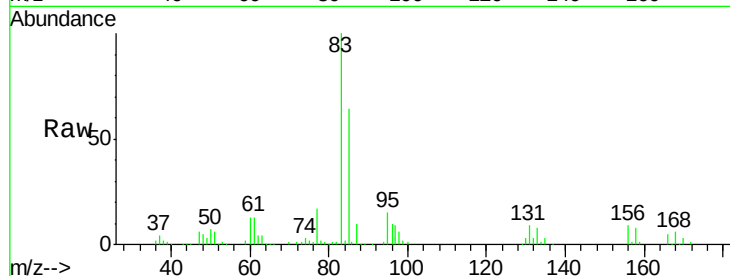
Tot Ion: 83 Resp: 164641

Ion Ratio Lower Upper

83 100

131 9.1 4.8 14.4

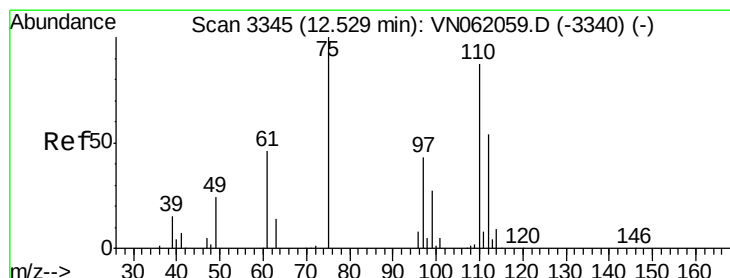
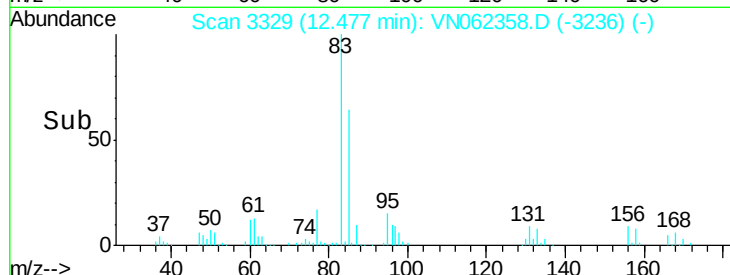
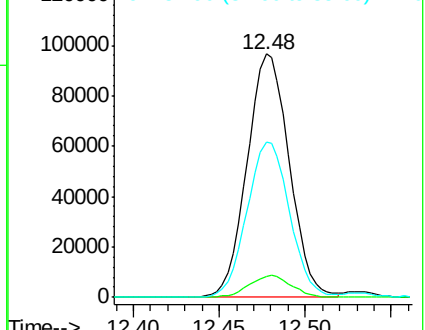
85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN062358.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN062358.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN062358.D (-3236) (-)



#76

1,2,3-Trichloropropane

Concen: 72.293 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062358.D

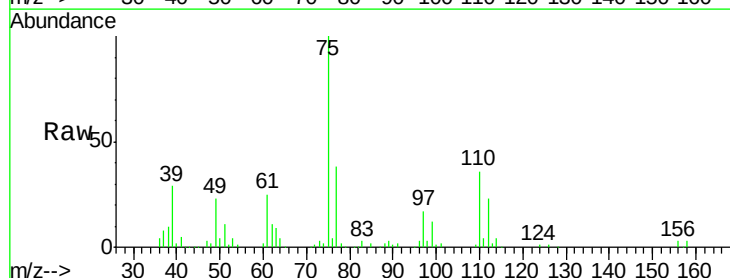
Acq: 3 Jul 2020 1:21

Tgt Ion: 75 Resp: 201864

Ion Ratio Lower Upper

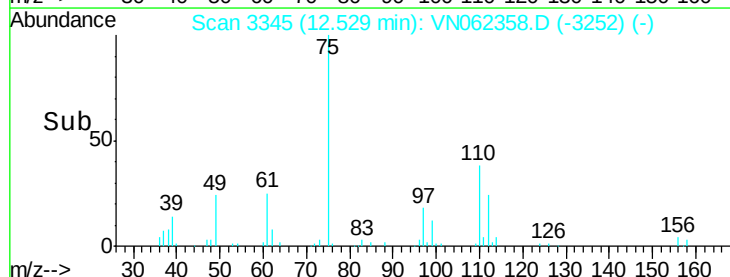
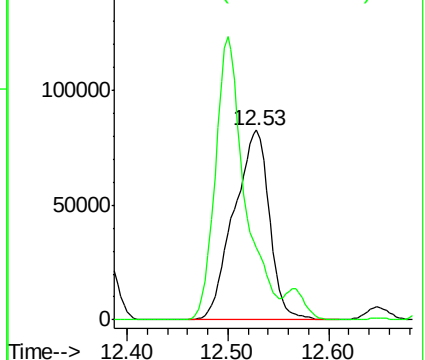
75 100

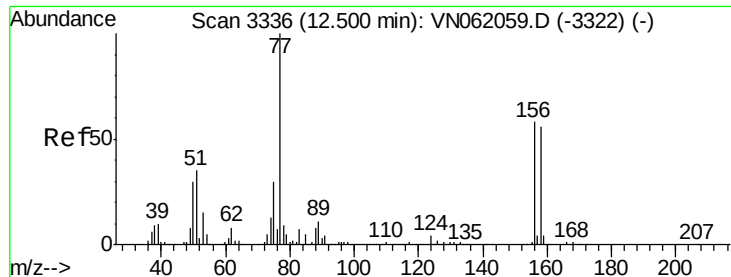
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062358.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062358.D (-3252) (-)





#77

Bromobenzene

Concen: 47.463 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampled :

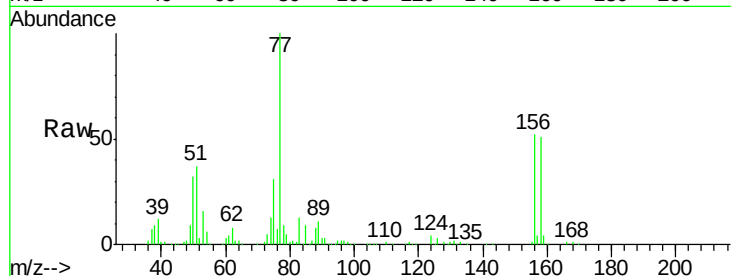
Tot Ion:156 Resp: 108194

Ion Ratio Lower Upper

156 100

77 231.4 104.6 313.8

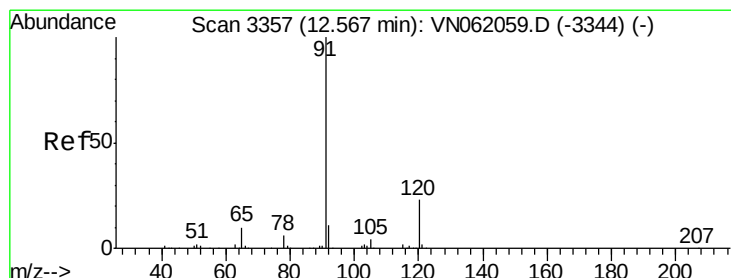
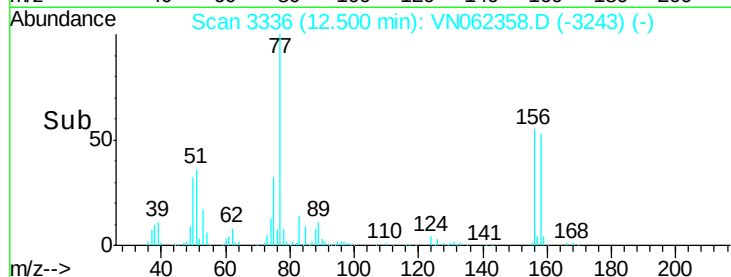
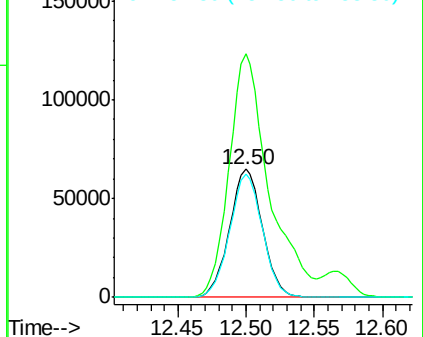
158 95.9 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.142 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062358.D

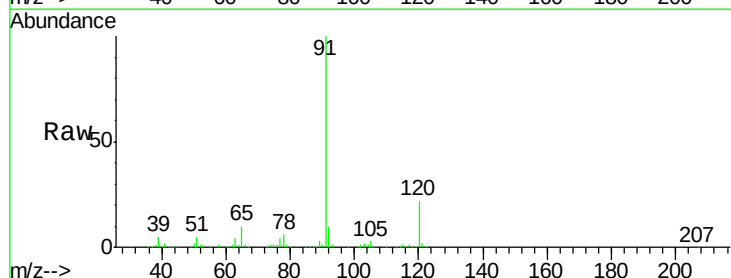
Acq: 3 Jul 2020 1:21

Tgt Ion: 91 Resp: 526627

Ion Ratio Lower Upper

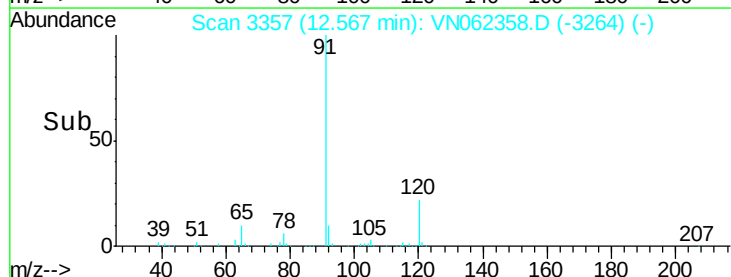
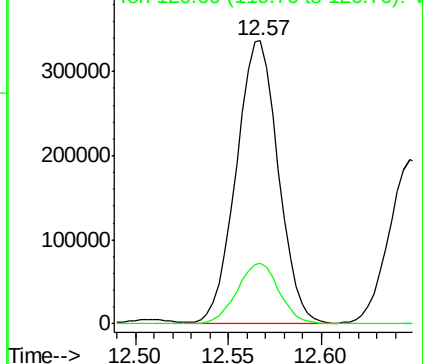
91 100

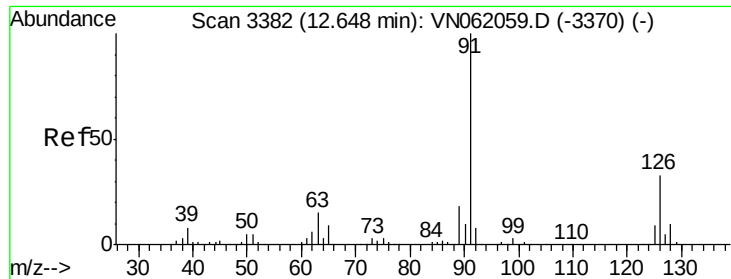
120 21.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

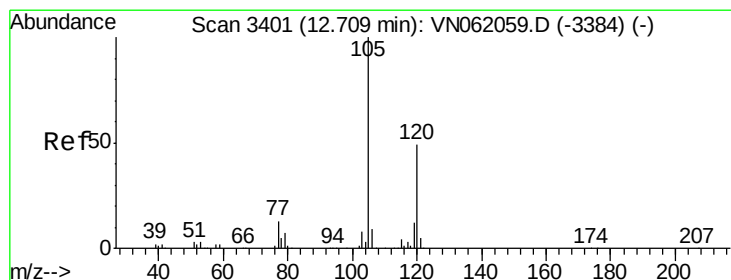
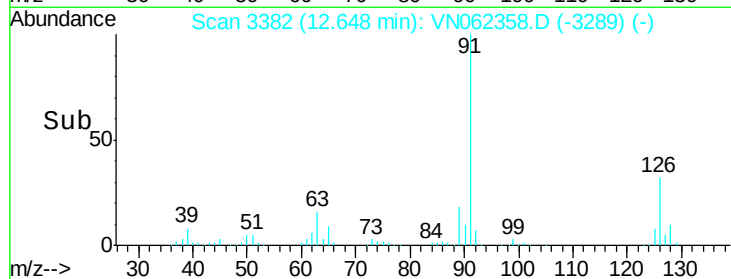
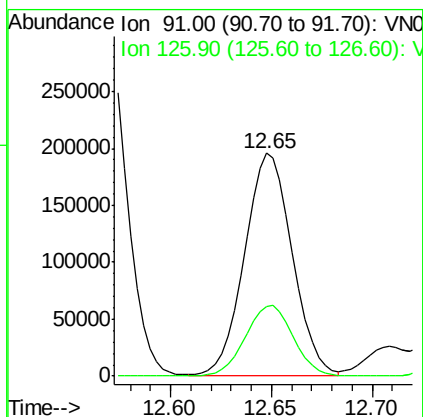
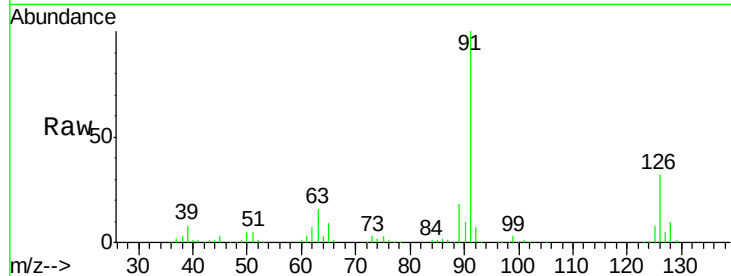




#79
 2-Chlorotoluene
 Concen: 50.677 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

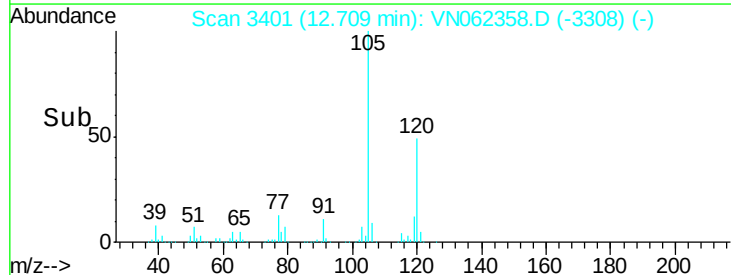
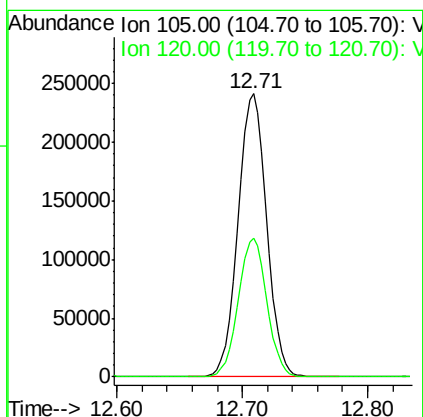
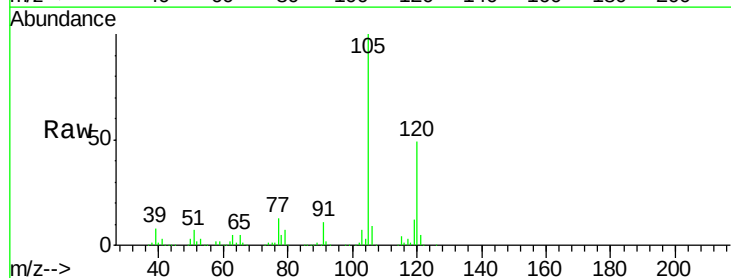
Instrument :
 MSVOA_N
 ClientSampled :

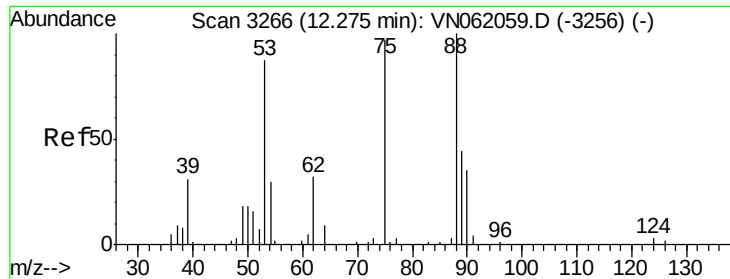
Tot Ion: 91 Resp: 321767
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.9 50.7



#80
 1,3,5-Trimethylbenzene
 Concen: 51.212 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion: 105 Resp: 381183
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.208 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

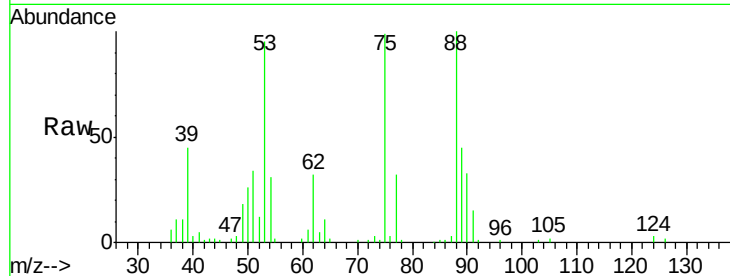
Tot Ion: 75 Resp: 51831

Ion Ratio Lower Upper

75 100

53 94.9 72.0 108.0

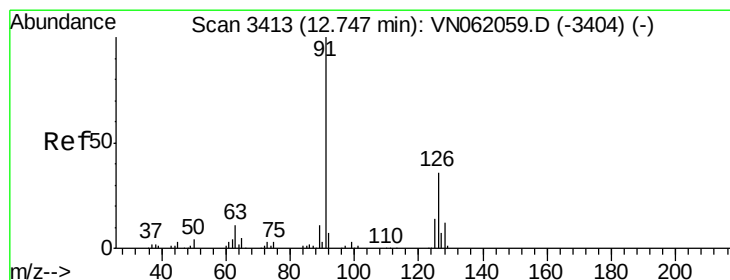
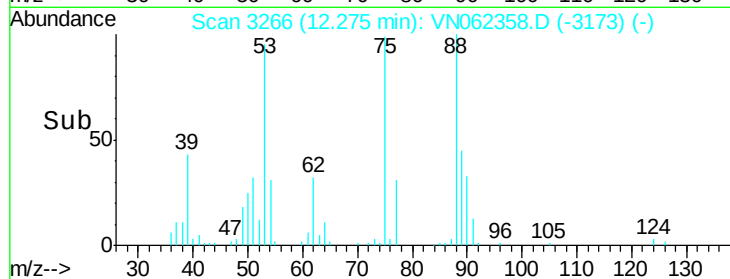
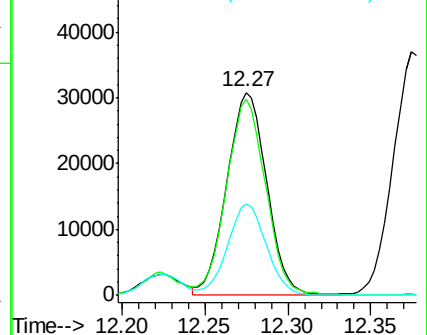
89 43.4 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN062059.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062059.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062059.D (-3256) (-)



#82

4-Chlorotoluene

Concen: 50.665 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062358.D

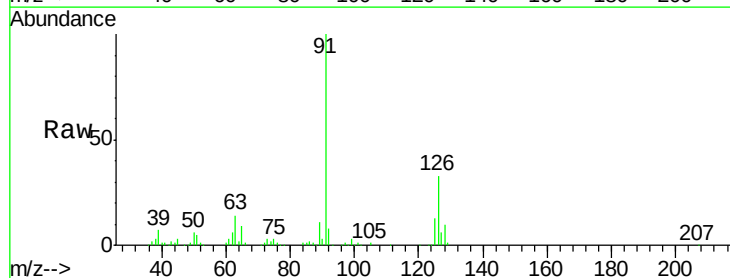
Acq: 3 Jul 2020 1:21

Tgt Ion: 91 Resp: 332660

Ion Ratio Lower Upper

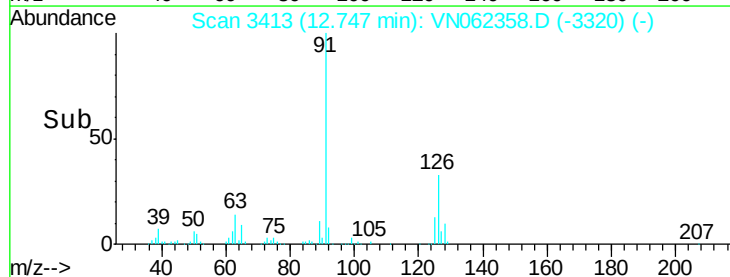
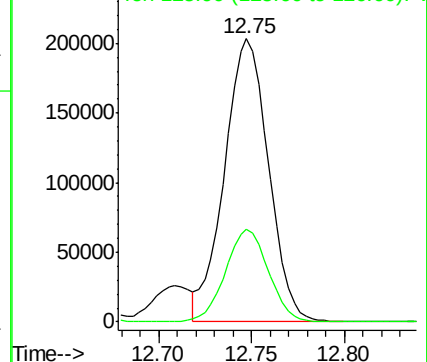
91 100

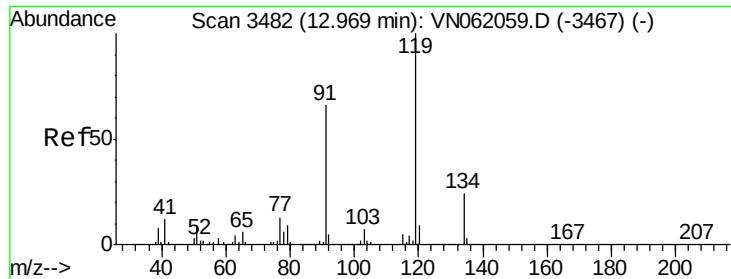
126 32.0 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN062059.D (-3404) (-)

Ion 125.90 (125.60 to 126.60): VN062059.D (-3404) (-)

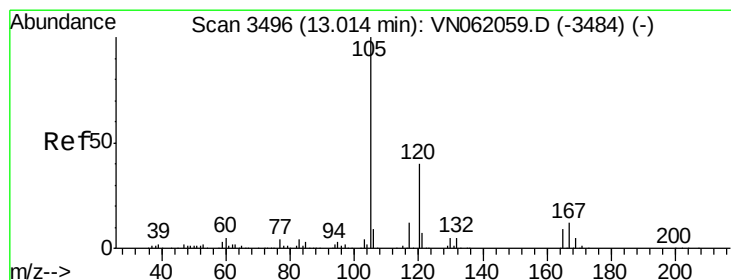
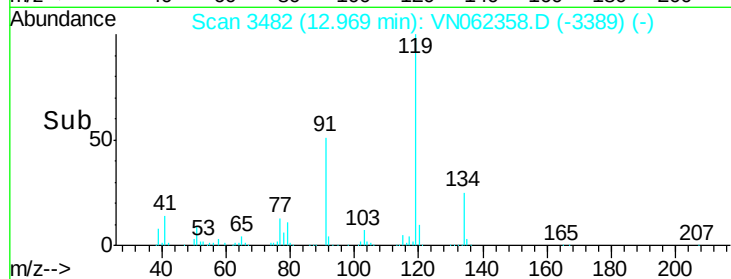
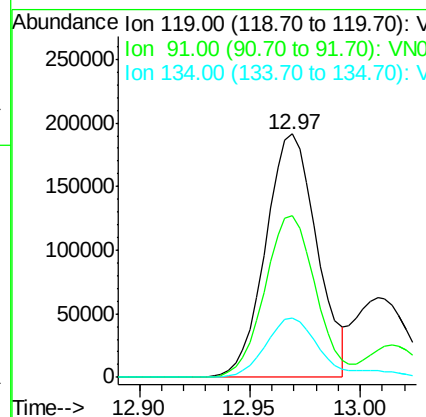
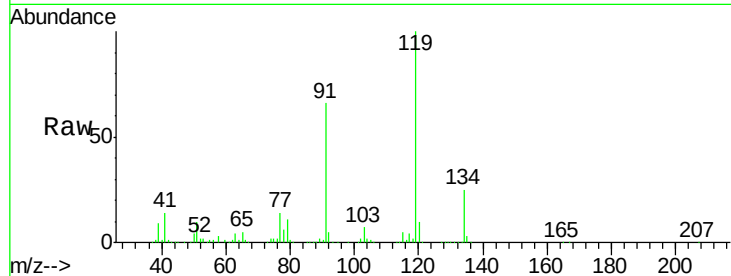




#83
 tert-Butylbenzene
 Concen: 48.460 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

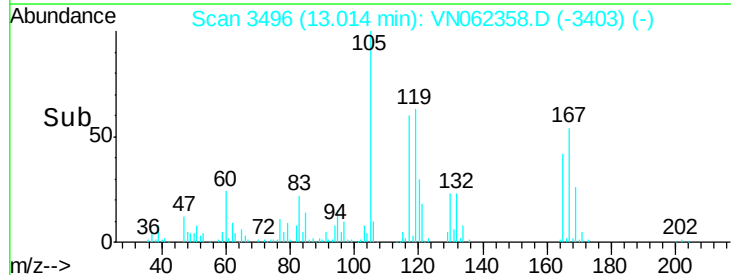
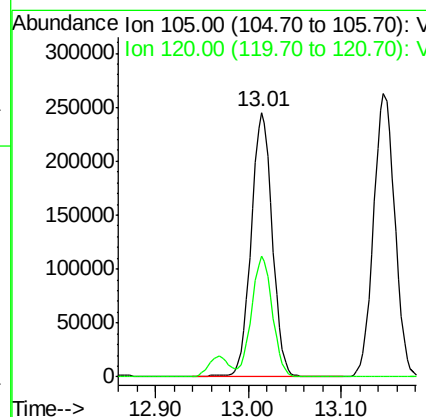
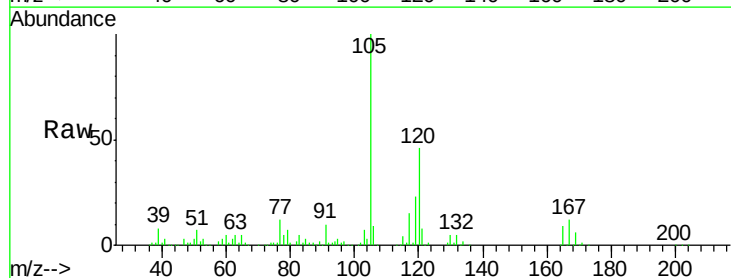
Instrument :
 MSVOA_N
 ClientSampled :

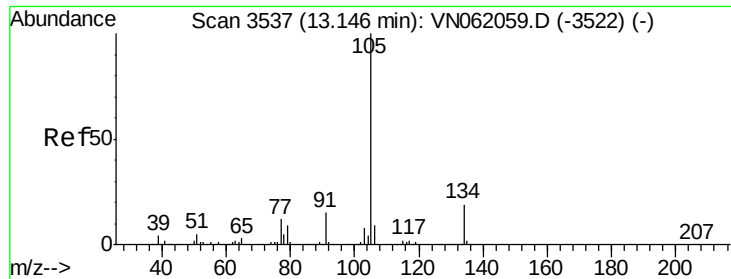
Tot Ion:119 Resp: 308691
 Ion Ratio Lower Upper
 119 100
 91 65.7 31.7 95.1
 134 24.6 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 52.079 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion:105 Resp: 387151
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.2 69.5





#85

sec-Butylbenzene

Concen: 49.412 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

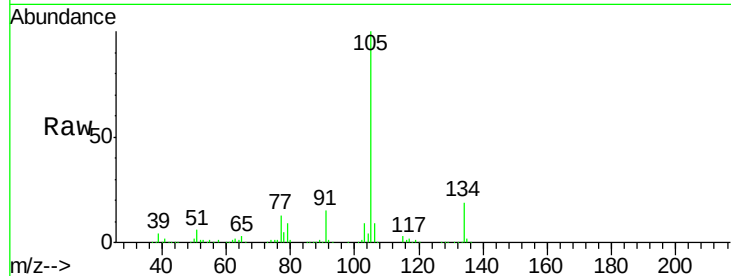
ClientSampled :

Tot Ion:105 Resp: 415911

Ion Ratio Lower Upper

105 100

134 18.9 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

250000

200000

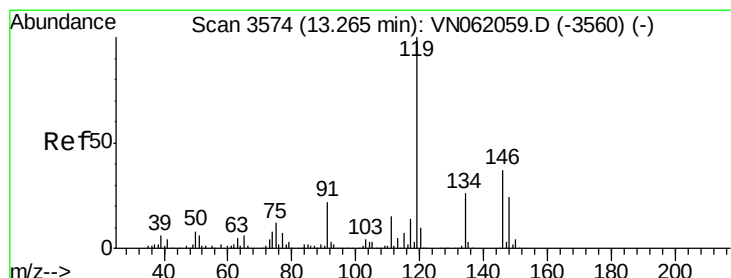
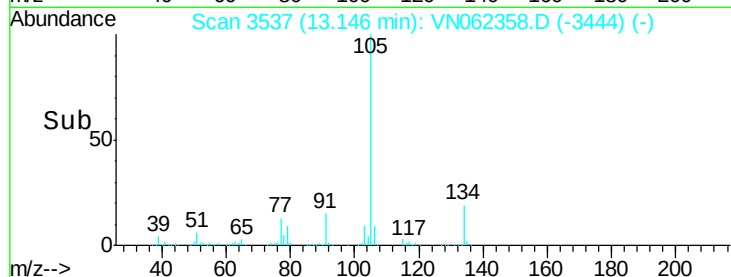
150000

100000

50000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 50.368 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

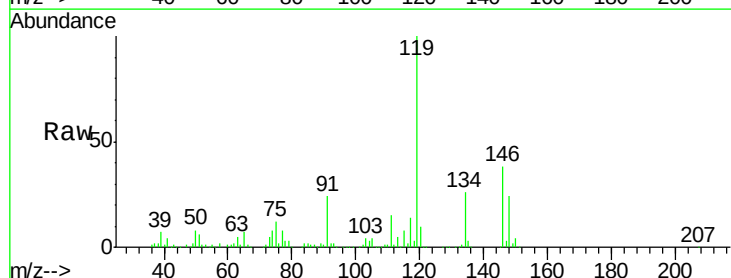
Tgt Ion:119 Resp: 371438

Ion Ratio Lower Upper

119 100

134 25.2 13.0 39.0

91 23.5 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

250000

200000

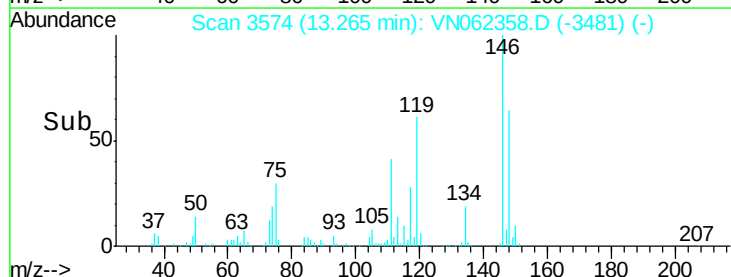
150000

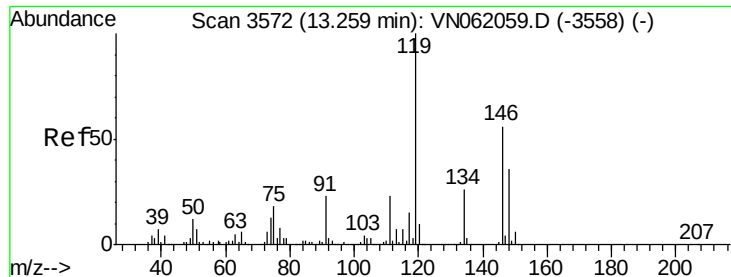
100000

50000

0

Time--> 13.20 13.30 13.40

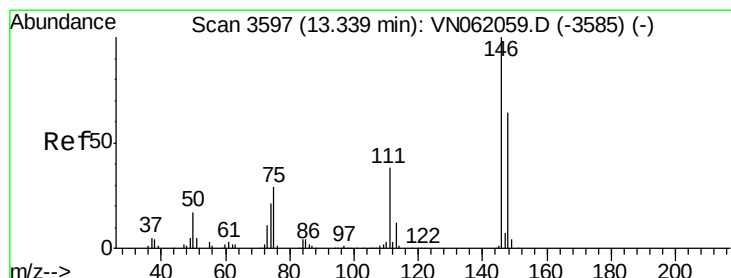
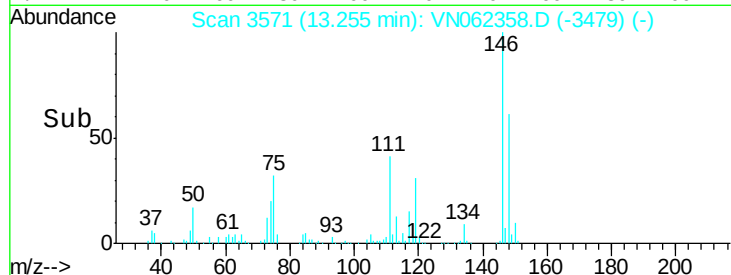
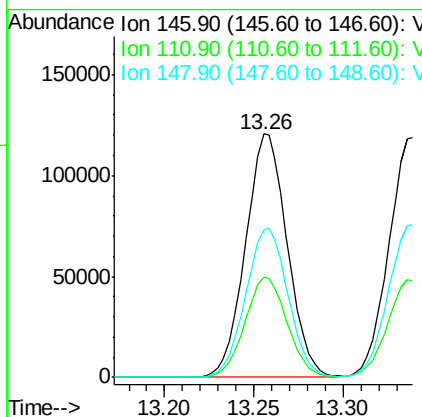
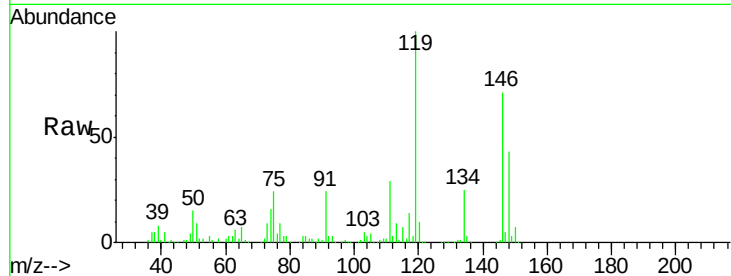




#87
 1,3-Dichlorobenzene
 Concen: 49.307 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

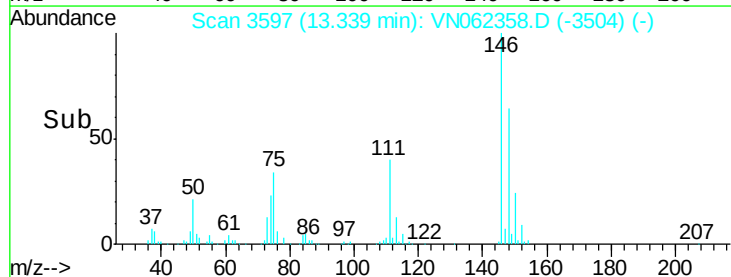
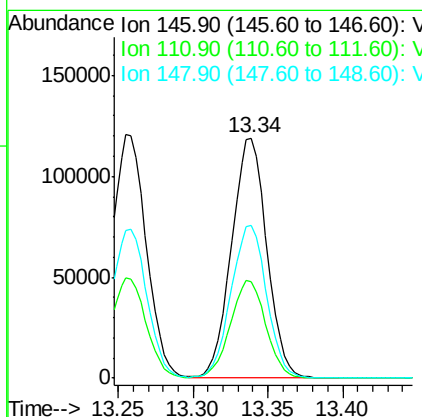
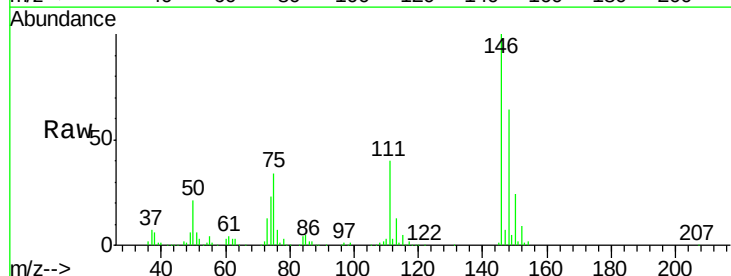
Instrument :
 MSVOA_N
 ClientSampleId :

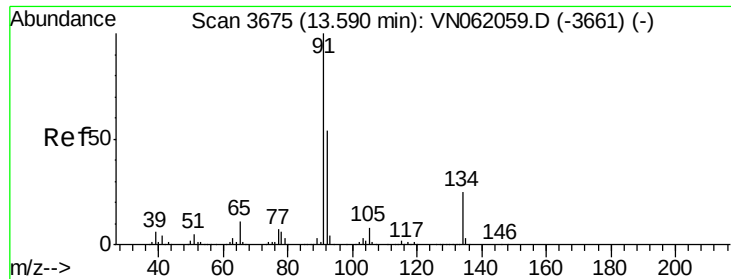
Tot Ion:146 Resp: 197371
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.3 61.0
 148 62.3 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 47.203 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion:146 Resp: 194769
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.9 59.6
 148 64.7 31.9 95.9

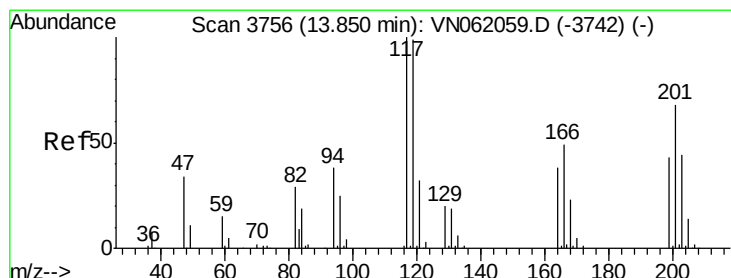
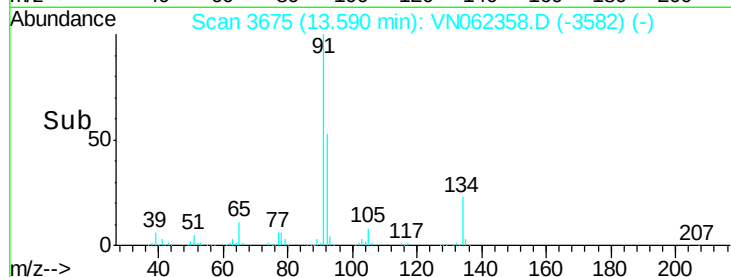
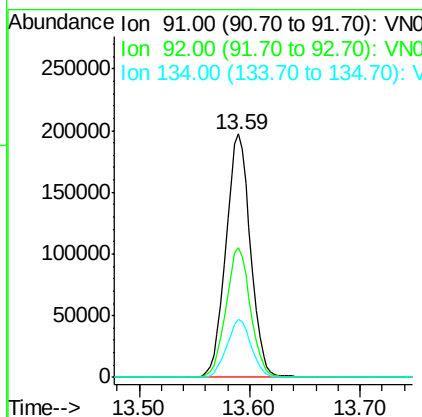
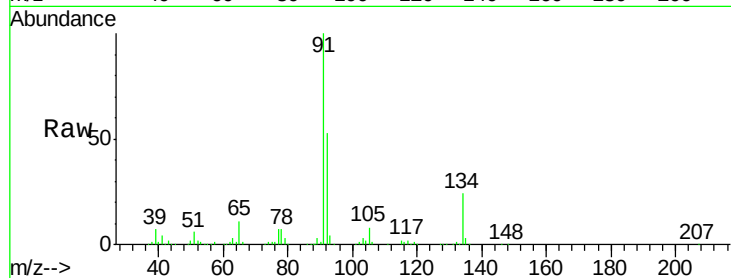




#89
n-Butylbenzene
Concen: 49.760 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

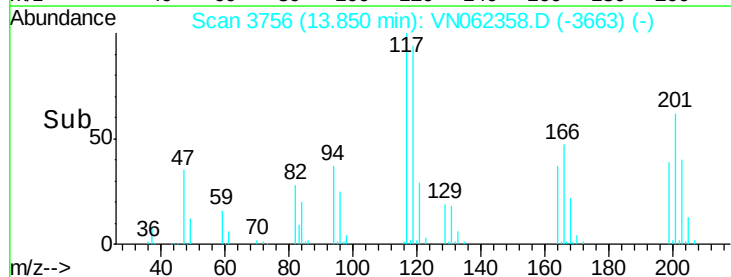
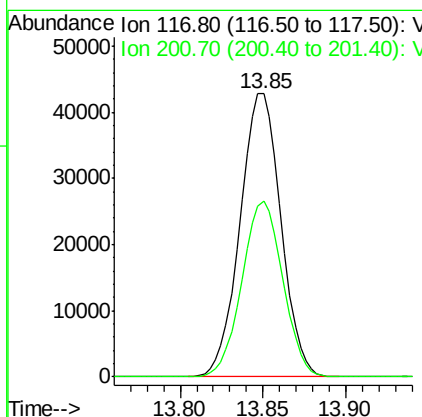
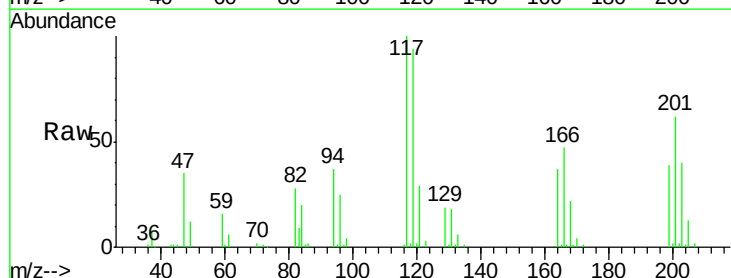
Instrument :
MSVOA_N
ClientSampled :

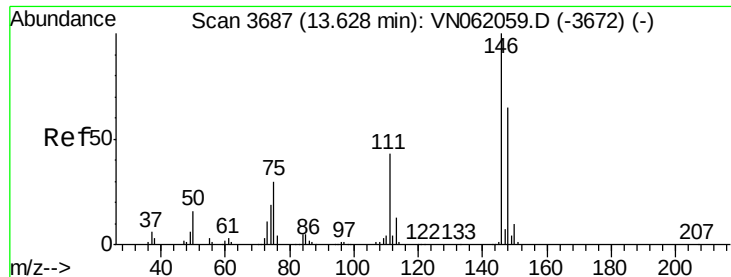
Tot Ion: 91 Resp: 305076
Ion Ratio Lower Upper
91 100
92 53.1 26.6 79.7
134 23.6 12.3 36.9



#90
Hexachloroethane
Concen: 50.733 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion: 117 Resp: 73403
Ion Ratio Lower Upper
117 100
201 61.9 32.7 98.1





#91

1,2-Dichlorobenzene

Concen: 49.944 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

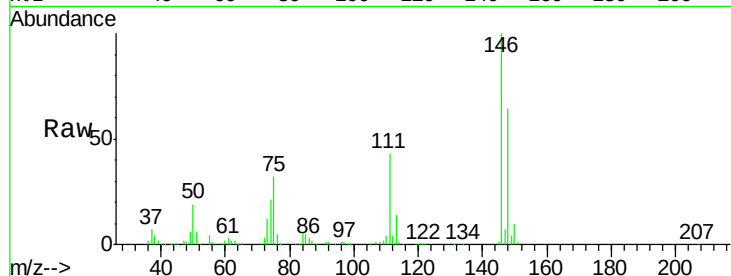
Tot Ion:146 Resp: 193865

Ion Ratio Lower Upper

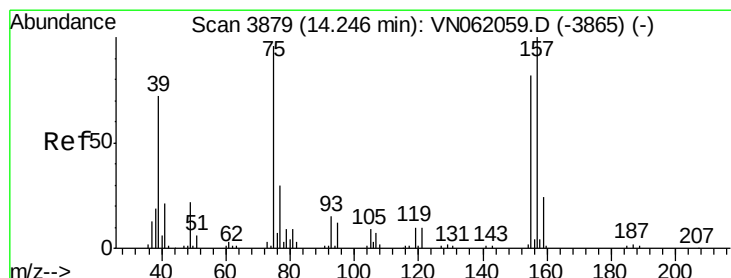
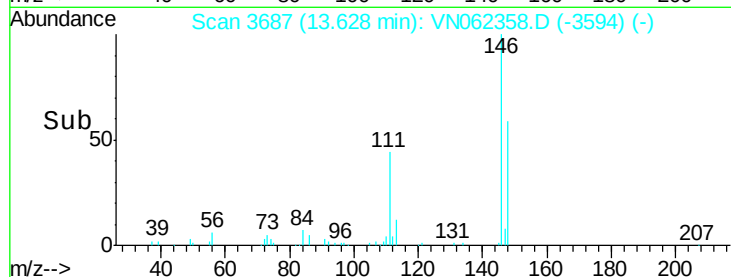
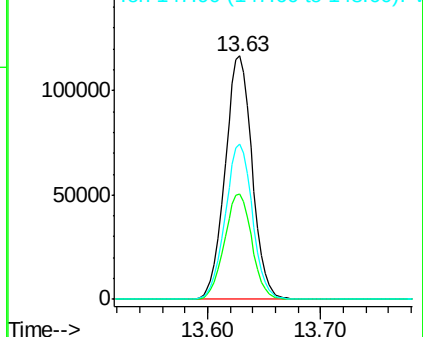
146 100

111 43.8 21.2 63.6

148 64.1 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: 57.002 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

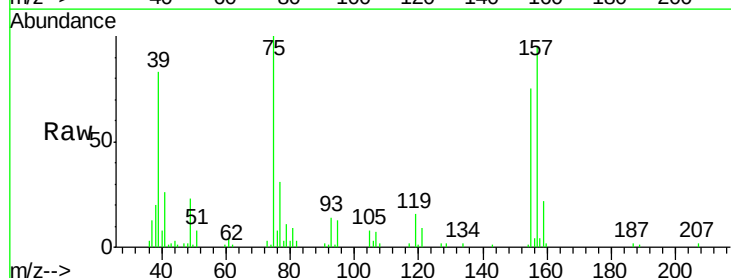
Tgt Ion: 75 Resp: 27901

Ion Ratio Lower Upper

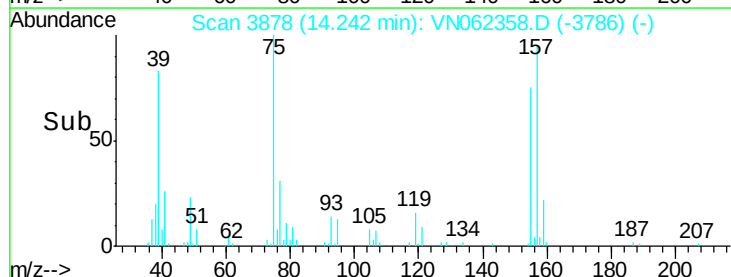
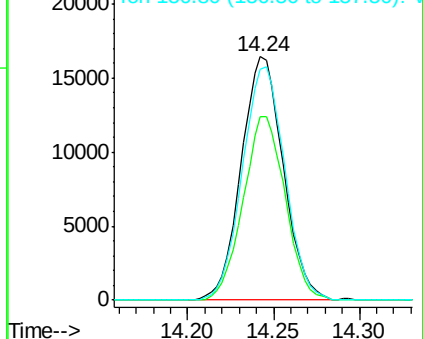
75 100

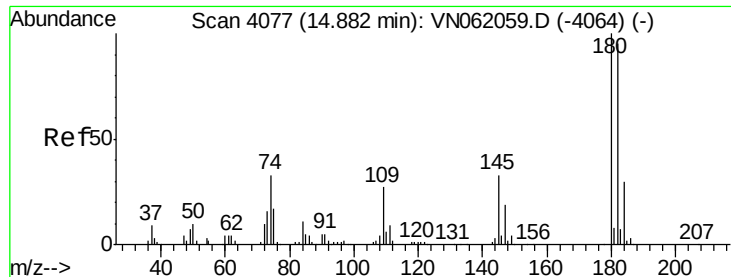
155 75.0 40.8 122.4

157 96.8 51.4 154.3



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

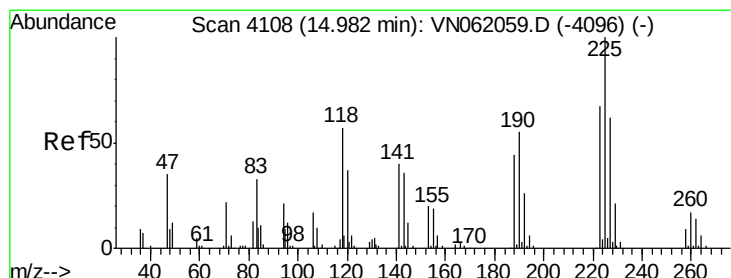
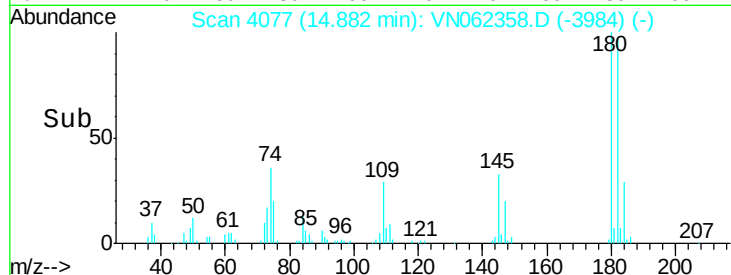
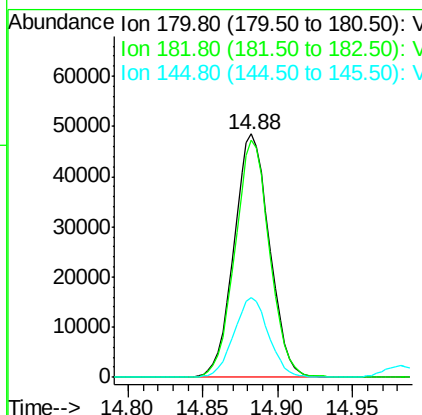
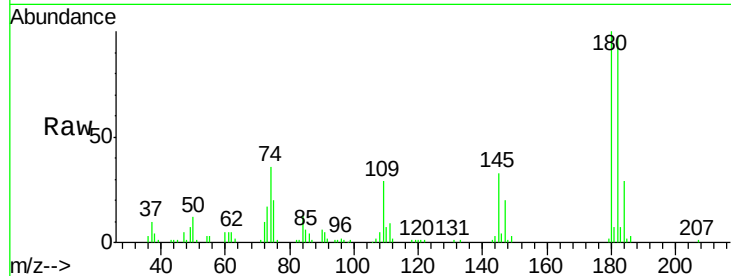




#93
 1,2,4-Trichlorobenzene
 Concen: 47.096 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

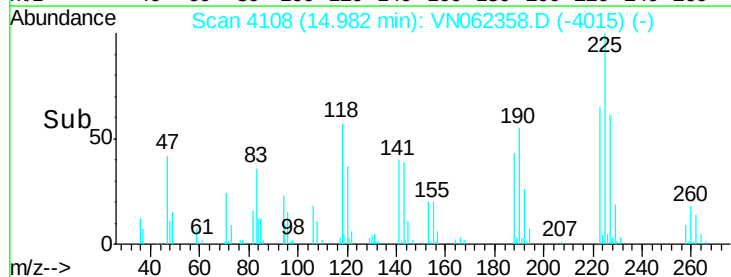
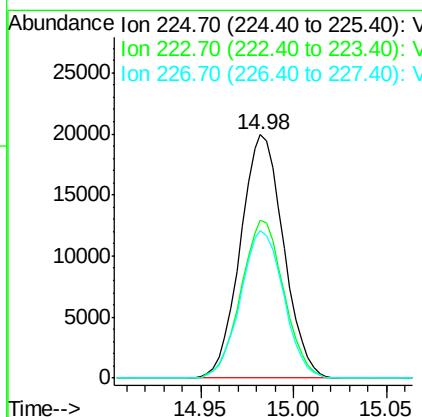
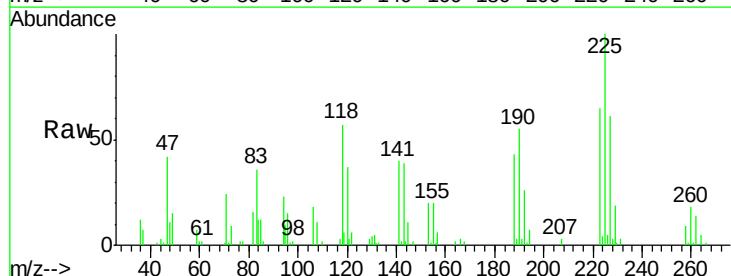
Instrument :
 MSVOA_N
 ClientSampleId :

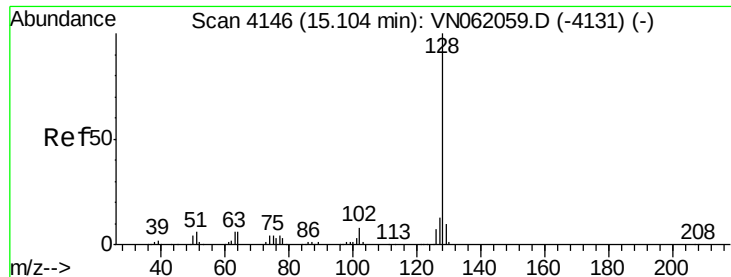
Tot Ion:180 Resp: 79861
 Ion Ratio Lower Upper
 180 100
 182 95.0 48.0 144.2
 145 32.1 16.0 48.0



#94
 Hexachlorobutadiene
 Concen: 43.854 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion:225 Resp: 32298
 Ion Ratio Lower Upper
 225 100
 223 64.3 32.9 98.7
 227 60.7 31.3 93.8

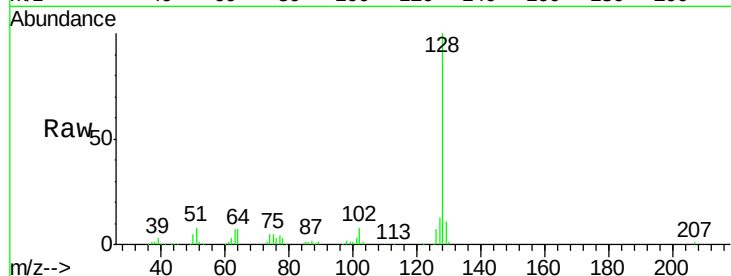




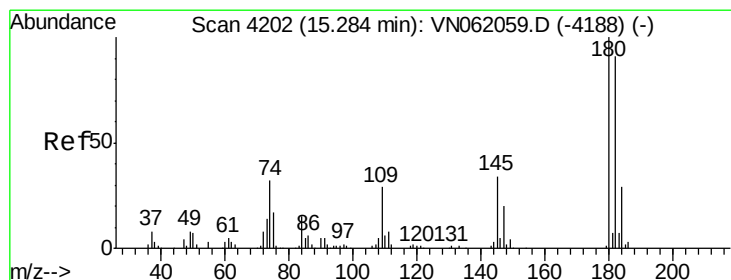
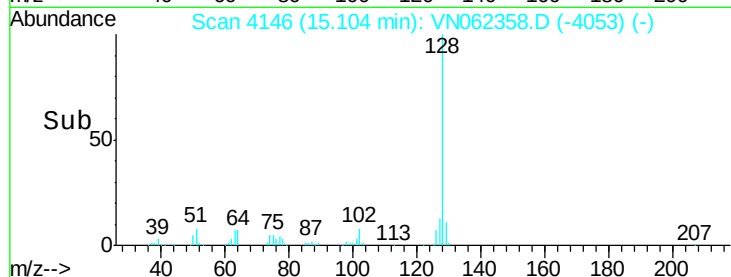
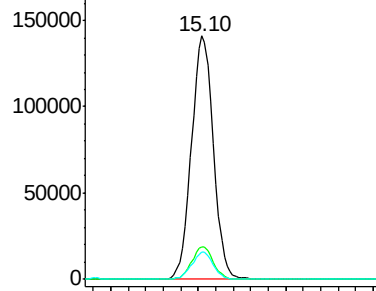
#95
Naphthalene
Concen: 43.934 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 245416
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.8 8.6 13.0

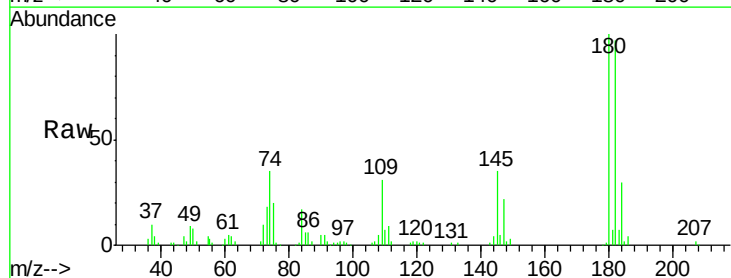


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 48.031 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion:180 Resp: 83280
Ion Ratio Lower Upper
180 100
182 94.4 46.8 140.4
145 33.9 16.4 49.2



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

