

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052020\
 Data File : VN061499.D
 Acq On : 20 May 2020 14:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 21 01:05:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	312953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	555065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	527322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	255083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	208774	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	
35) Dibromofluoromethane	7.54	113	146845	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	10.06	98	674517	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.37	95	257215	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	120106	46.155	ug/l	100
3) Chloromethane	2.03	50	172184	40.568	ug/l	98
4) Vinyl Chloride	2.16	62	255296	42.029	ug/l	98
5) Bromomethane	2.53	94	150400	48.874	ug/l	99
6) Chloroethane	2.67	64	167513	40.972	ug/l	97
7) Trichlorofluoromethane	2.98	101	351559	47.672	ug/l	98
8) Diethyl Ether	3.37	74	95963	44.675	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.71	101	143902	46.924	ug/l	98
10) Methyl Iodide	3.91	142	179191	48.108	ug/l	99
11) Tert butyl alcohol	4.73	59	132702	246.581	ug/l	100
12) 1,1-Dichloroethene	3.69	96	145605	45.390	ug/l	89
13) Acrolein	3.56	56	68238	171.678	ug/l	97
14) Allyl chloride	4.27	41	215147	41.212	ug/l	97
15) Acrylonitrile	4.92	53	323809	203.089	ug/l	99
16) Acetone	3.77	43	257547	213.886	ug/l	99
17) Carbon Disulfide	4.01	76	307487	44.309	ug/l	99
18) Methyl Acetate	4.27	43	133488	41.492	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	544238	44.707	ug/l	97
20) Methylene Chloride	4.50	84	166932	43.488	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	171364	46.327	ug/l	96
22) Diisopropyl ether	5.90	45	496151	42.293	ug/l	96
23) Vinyl Acetate	5.84	43	1954624	209.525	ug/l	96
24) 1,1-Dichloroethane	5.79	63	303473	44.351	ug/l	99
25) 2-Butanone	6.78	43	424444	199.588	ug/l	93
26) 2,2-Dichloropropane	6.77	77	293187	44.947	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	210570	48.192	ug/l	92
28) Bromochloromethane	7.15	49	125994	43.380	ug/l	88
29) Tetrahydrofuran	7.16	42	279598	198.523	ug/l	95
30) Chloroform	7.33	83	336181	47.039	ug/l	98
31) Cyclohexane	7.61	56	258907	42.546	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	312863	47.907	ug/l	98
36) 1,1-Dichloropropene	7.75	75	246390	47.473	ug/l	97
37) Ethyl Acetate	6.88	43	188999	40.154	ug/l	99
38) Carbon Tetrachloride	7.73	117	246151	51.506	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	274662	43.328	ug/l	95
40) Benzene	8.00	78	750462	47.981	ug/l	99
41) Methacrylonitrile	7.16	41	262234	131.908	ug/l #	15
42) 1,2-Dichloroethane	8.08	62	257095	45.623	ug/l	98
43) Isopropyl Acetate	8.12	43	344496	41.964	ug/l	98
44) Trichloroethene	8.80	130	212780	51.919	ug/l	95
45) 1,2-Dichloropropane	9.08	63	183363	46.837	ug/l	98
46) Dibromomethane	9.17	93	130863	47.682	ug/l	94
47) Bromodichloromethane	9.37	83	283154	48.967	ug/l	99
48) Methyl methacrylate	9.17	41	152002	40.081	ug/l	94
49) 1,4-Dioxane	9.16	88	51922	1313.513	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	973117	217.599	ug/l	98
52) Toluene	10.12	92	510011	50.790	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	308699	48.707	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	325434	48.303	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	190724	50.238	ug/l	98
56) Ethyl methacrylate	10.40	69	287902	48.507	ug/l	95
57) 1,3-Dichloropropane	10.68	76	317900	48.453	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	607175	233.062	ug/l	95
59) 2-Hexanone	10.72	43	694576	214.674	ug/l	98
60) Dibromochloromethane	10.87	129	223752	53.282	ug/l	100
61) 1,2-Dibromoethane	10.98	107	202917	50.835	ug/l	99
64) Tetrachloroethene	10.60	164	210279	51.544	ug/l	96
65) Chlorobenzene	11.40	112	546115	50.786	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	204799	53.124	ug/l	98
67) Ethyl Benzene	11.48	91	982434	50.050	ug/l	98
68) m/p-Xylenes	11.59	106	767116	102.960	ug/l	96
69) o-Xylene	11.92	106	371103	51.470	ug/l	95
70) Styrene	11.94	104	630136	52.777	ug/l	98
71) Bromoform	12.10	173	147803	49.332	ug/l #	99
73) Isopropylbenzene	12.22	105	953843	46.579	ug/l	97
74) N-amyl acetate	12.04	43	311191	41.517	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	252651	44.844	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	336305	61.443	ug/l #	100
77) Bromobenzene	12.50	156	229540	51.650	ug/l	89
78) n-propylbenzene	12.56	91	1087120	46.593	ug/l	98
79) 2-Chlorotoluene	12.65	91	648334	47.010	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	801194	47.783	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	88398	42.843	ug/l	97
82) 4-Chlorotoluene	12.75	91	685914	48.032	ug/l	97
83) tert-Butylbenzene	12.97	119	662057	46.097	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	808284	48.169	ug/l	98
85) sec-Butylbenzene	13.15	105	852268	43.884	ug/l	98
86) p-Isopropyltoluene	13.26	119	793190	45.994	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	416774	51.242	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	427152	52.441	ug/l	98
89) n-Butylbenzene	13.59	91	666419	42.536	ug/l	99
90) Hexachloroethane	13.85	117	109453	46.831	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	402169	51.547	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	48531	42.643	ug/l	88

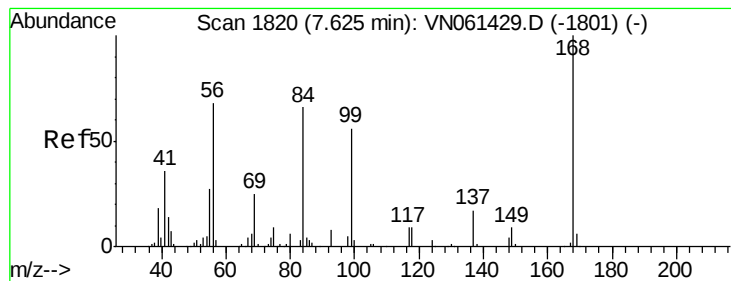
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	212372	50.202	ug/l	100
94) Hexachlorobutadiene	14.99	225	75436	40.133	ug/l	98
95) Naphthalene	15.10	128	683057	50.789	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	204120	48.469	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

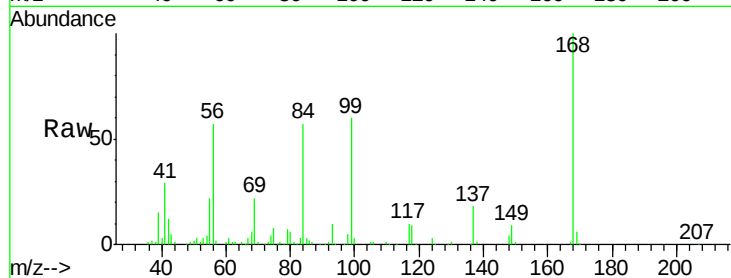
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 312953

Ion Ratio Lower Upper

168 100

99 59.5 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

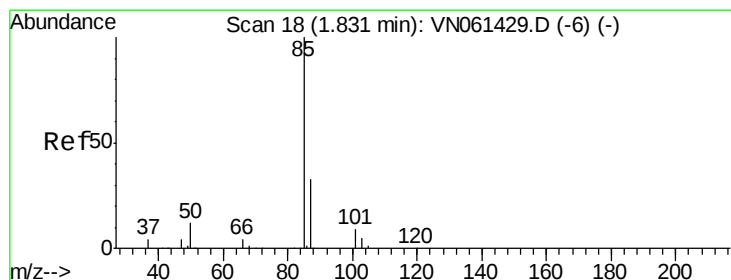
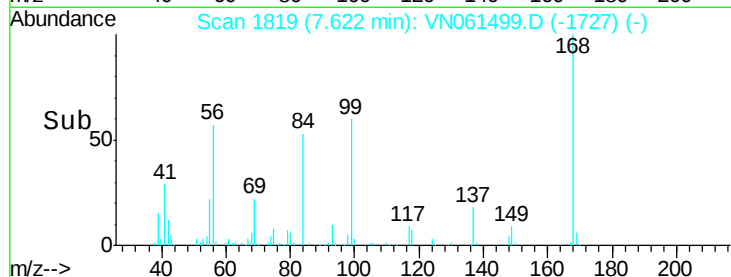
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.155 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061499.D

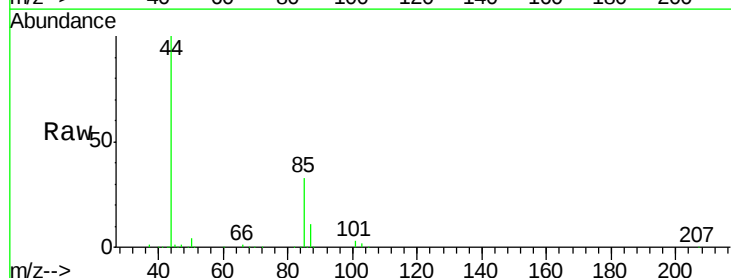
Acq: 20 May 2020 14:17

Tgt Ion: 85 Resp: 120106

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

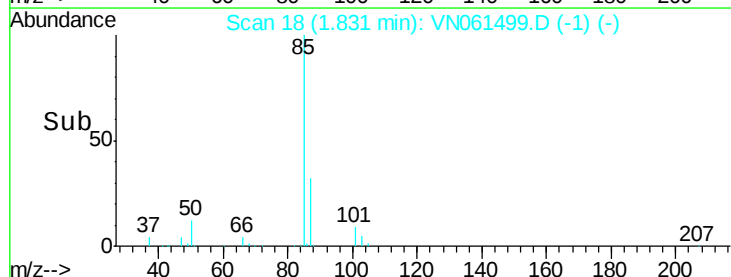
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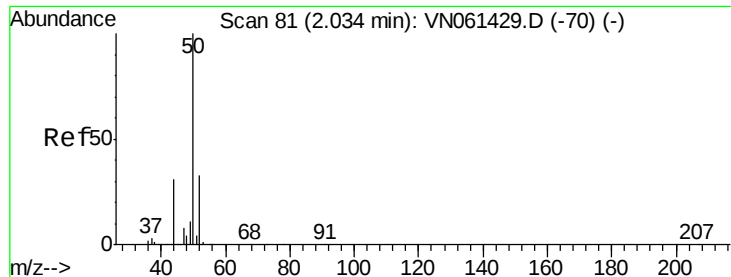
40000

20000

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Time-->





#3

Chloromethane

Concen: 40.568 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

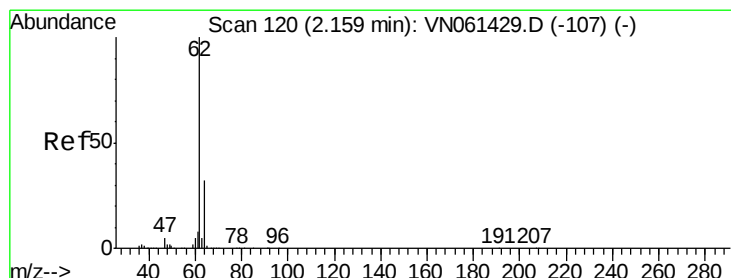
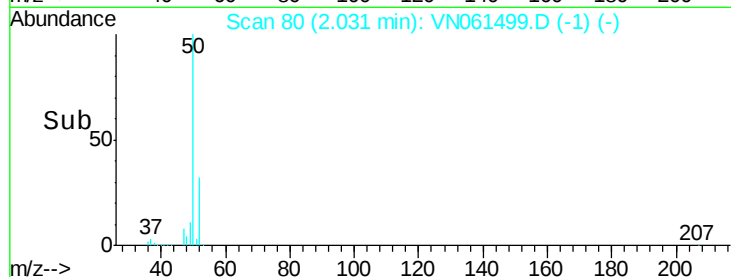
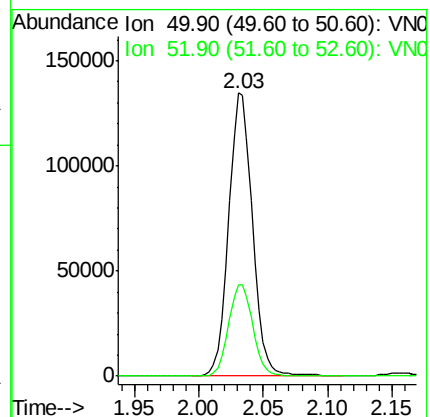
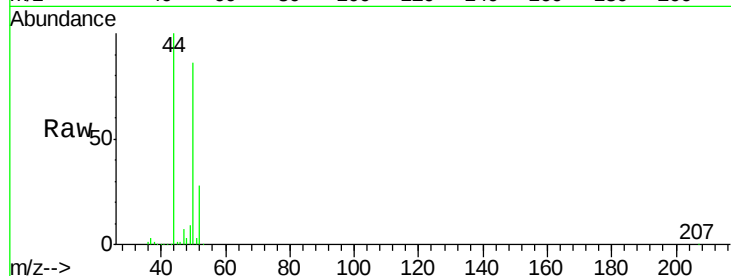
ClientSampled :

Tot Ion: 50 Resp: 172184

Ion Ratio Lower Upper

50 100

52 32.5 26.7 40.1



#4

Vinyl Chloride

Concen: 42.029 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061499.D

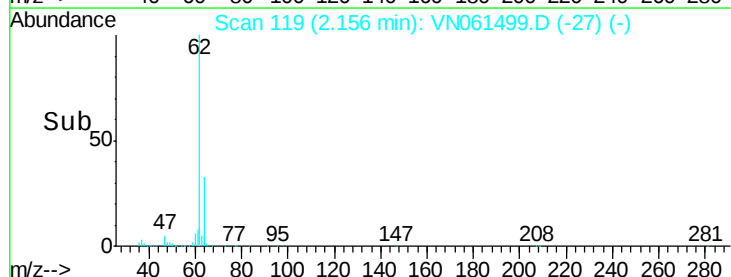
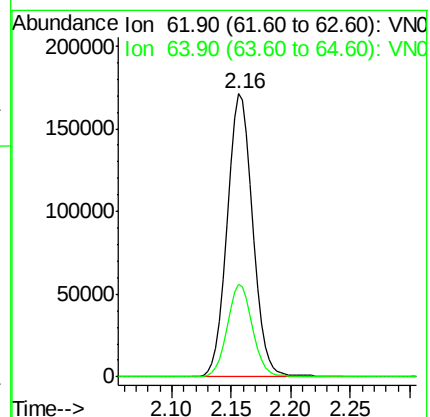
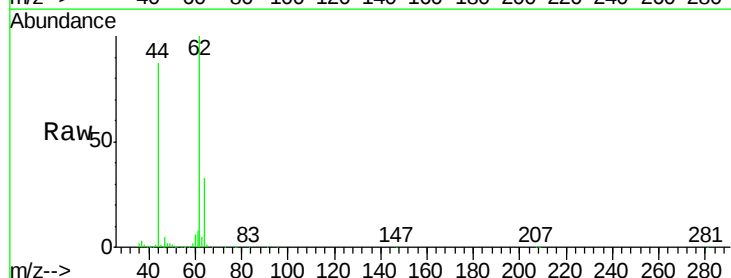
Acq: 20 May 2020 14:17

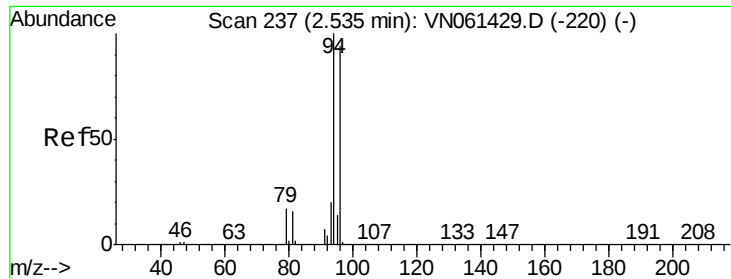
Tgt Ion: 62 Resp: 255296

Ion Ratio Lower Upper

62 100

64 32.9 25.3 37.9





#5

Bromomethane

Concen: 48.874 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

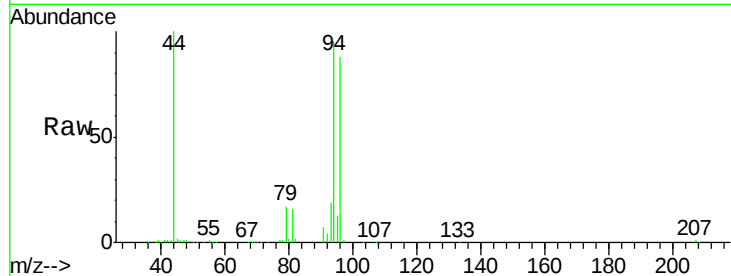
ClientSampleId :

Tot Ion: 94 Resp: 150400

Ion Ratio Lower Upper

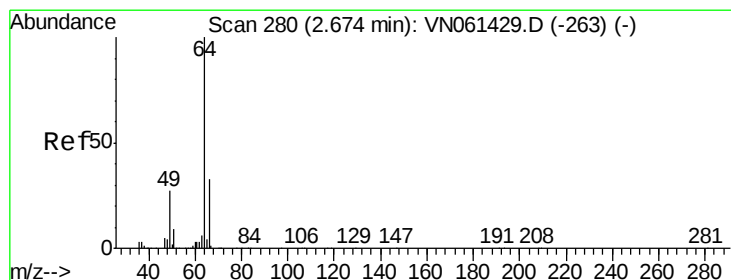
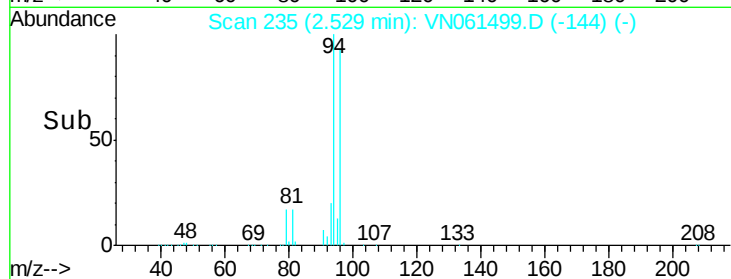
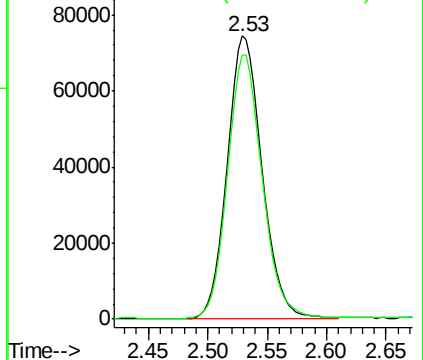
94 100

96 93.1 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 40.972 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061499.D

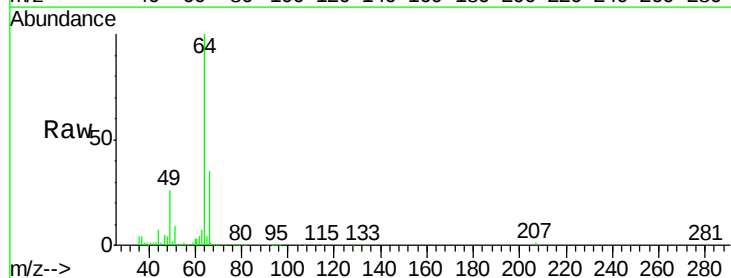
Acq: 20 May 2020 14:17

Tgt Ion: 64 Resp: 167513

Ion Ratio Lower Upper

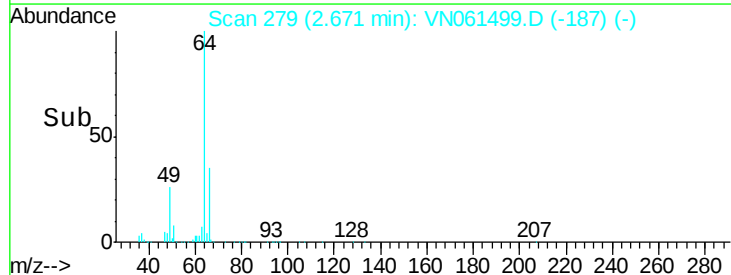
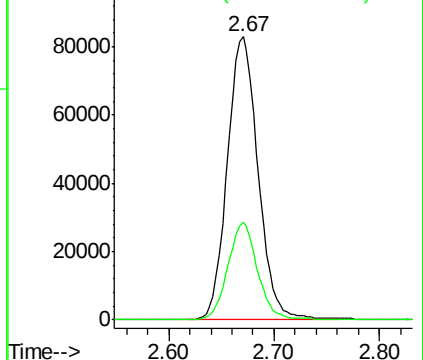
64 100

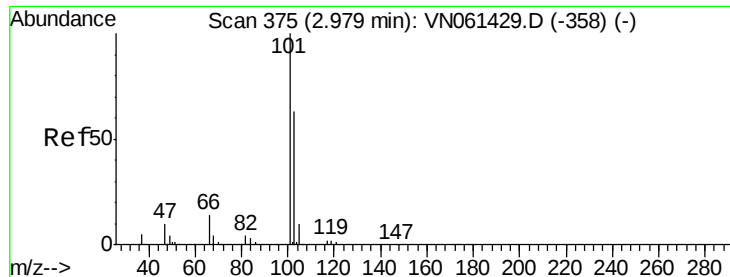
66 34.6 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



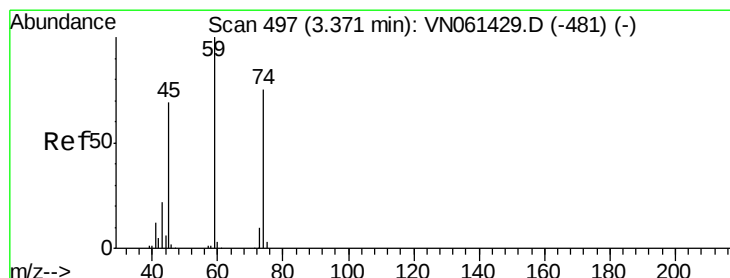
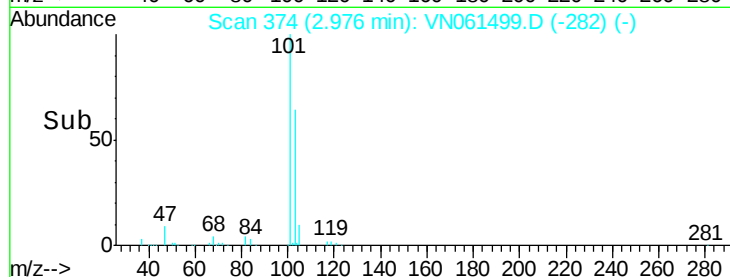
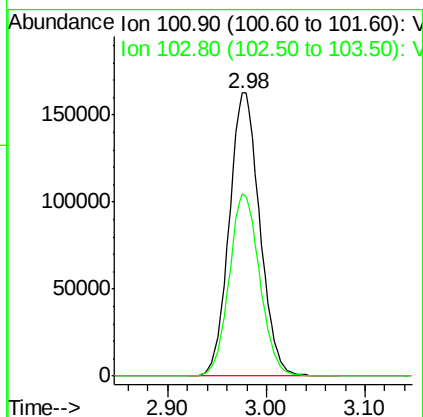
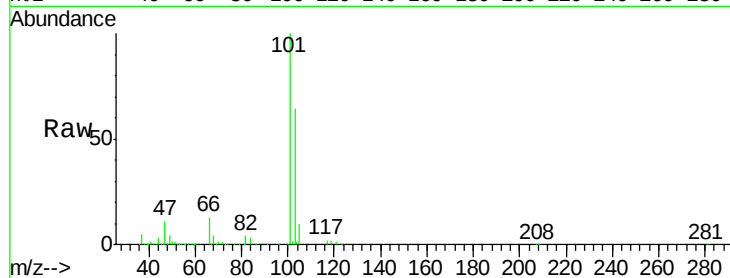


#7

Trichlorofluoromethane
Concen: 47.672 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampled :

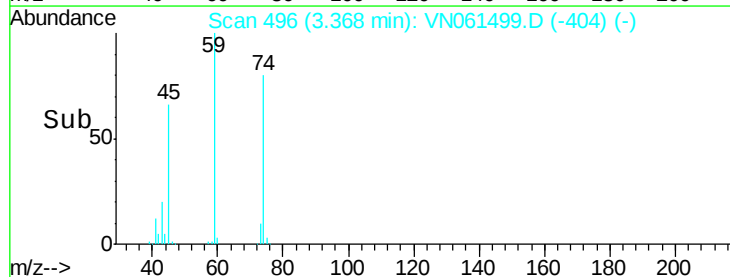
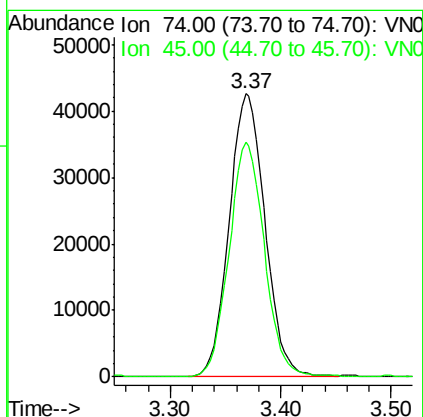
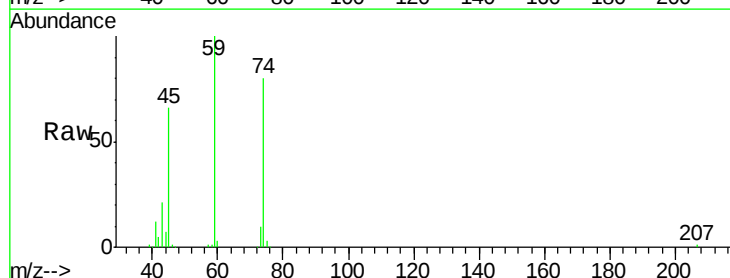
Tot Ion:101 Resp: 351559
Ion Ratio Lower Upper
101 100
103 64.3 50.2 75.4

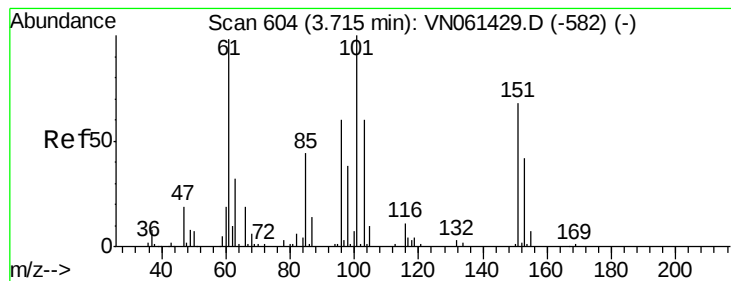


#8

Diethyl Ether
Concen: 44.675 ug/l
RT: 3.37 min Scan# 496
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion: 74 Resp: 95963
Ion Ratio Lower Upper
74 100
45 81.9 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.924 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampled :

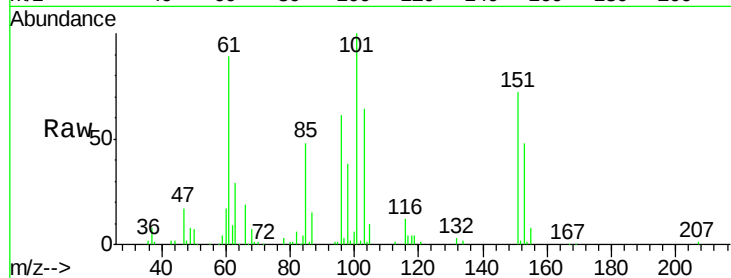
Tot Ion:101 Resp: 143902

Ion Ratio Lower Upper

101 100

85 46.0 36.6 55.0

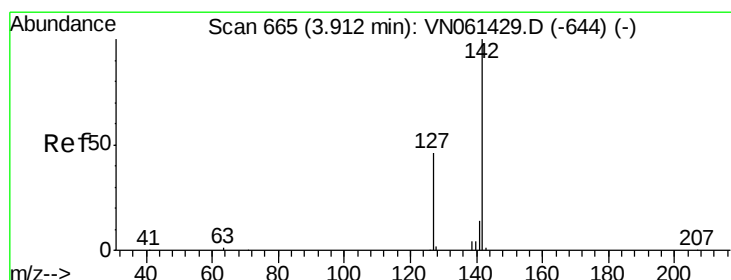
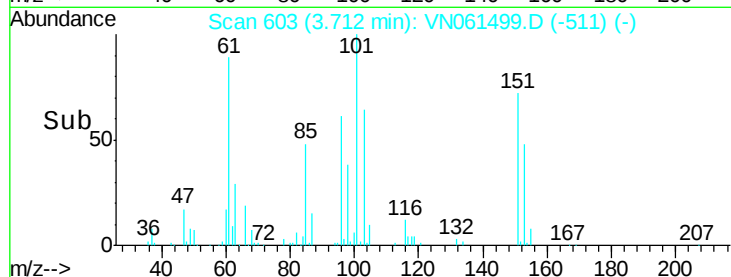
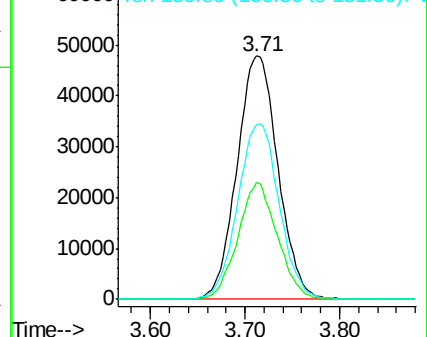
151 73.0 56.3 84.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.108 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.01 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

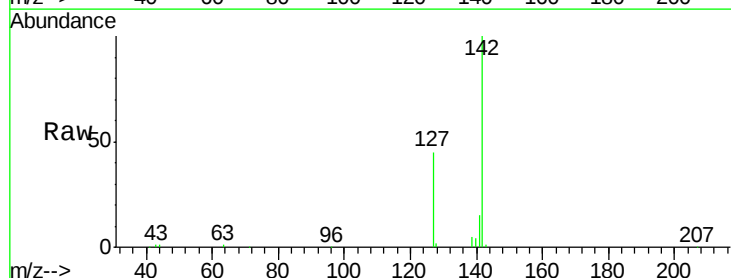
Tgt Ion:142 Resp: 179191

Ion Ratio Lower Upper

142 100

127 45.6 36.7 55.1

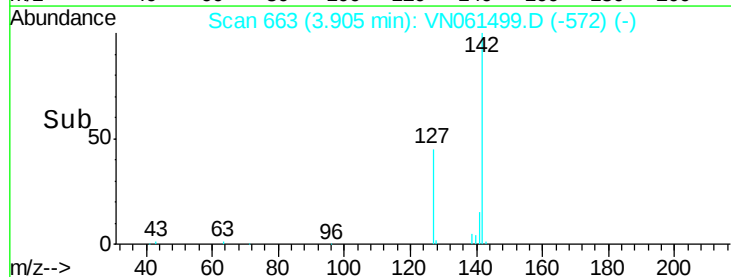
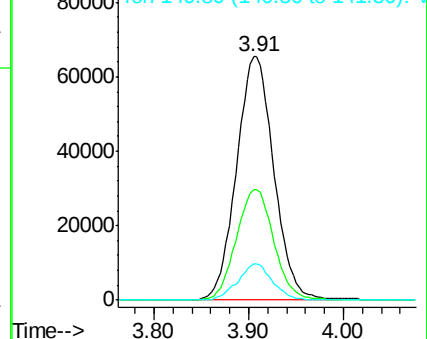
141 13.8 11.5 17.3

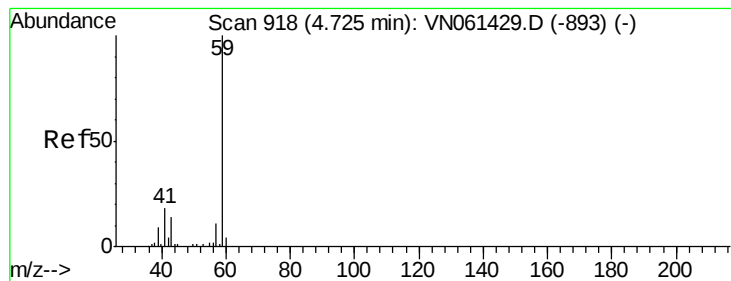


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



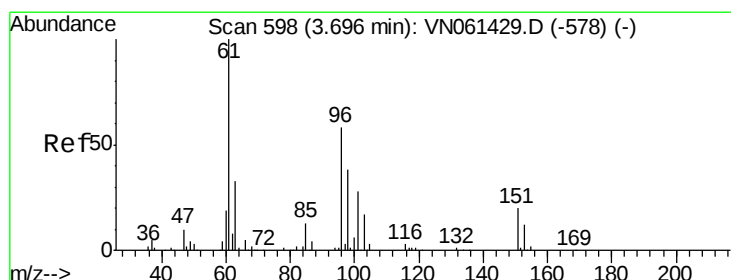
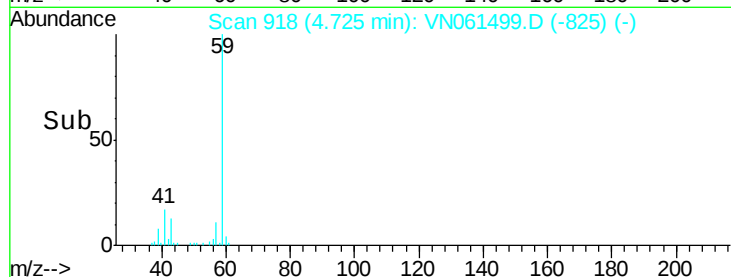
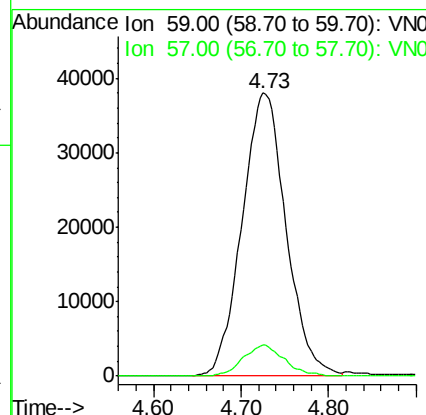
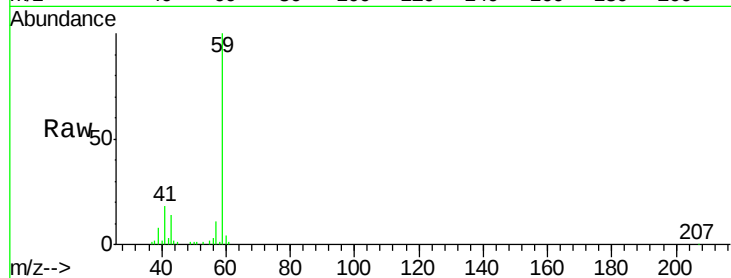


#11

Tert butyl alcohol
Concen: 246.581 ug/l
RT: 4.73 min Scan# 918
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :

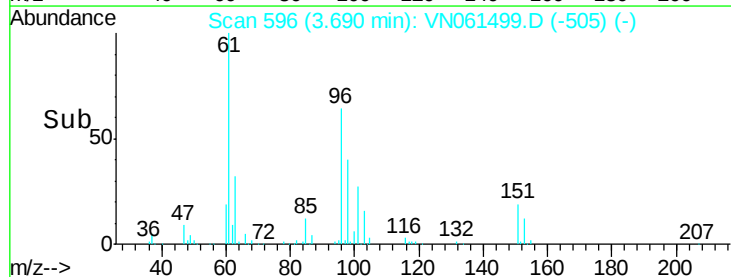
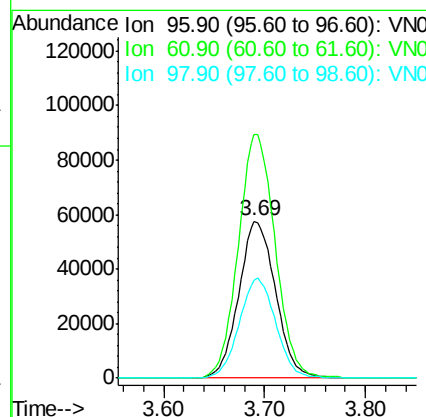
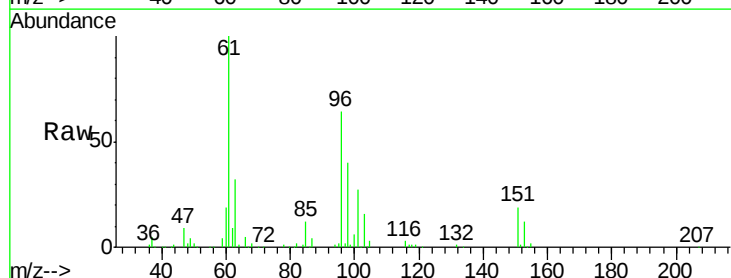
Tot Ion: 59 Resp: 132702
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

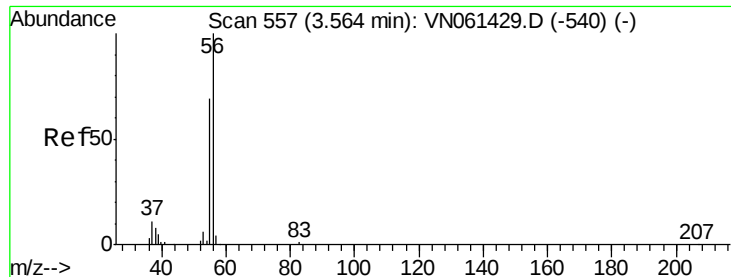


#12

1,1-Dichloroethene
Concen: 45.390 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.01 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion: 96 Resp: 145605
Ion Ratio Lower Upper
96 100
61 155.2 138.7 208.1
98 62.6 53.0 79.6





#13

Acrolein

Concen: 171.678 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

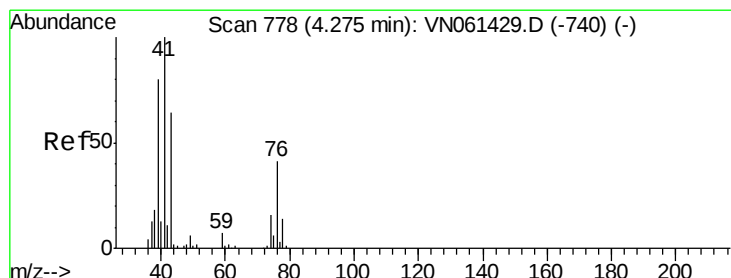
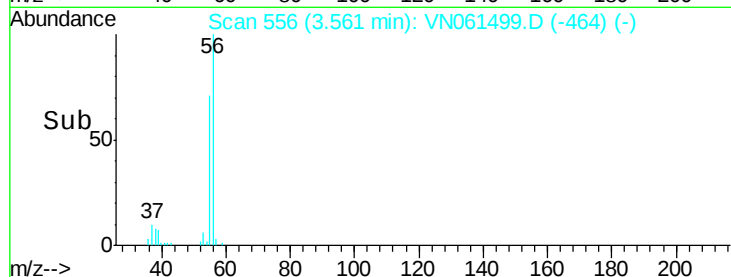
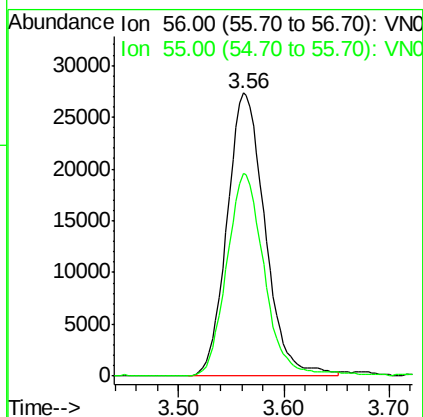
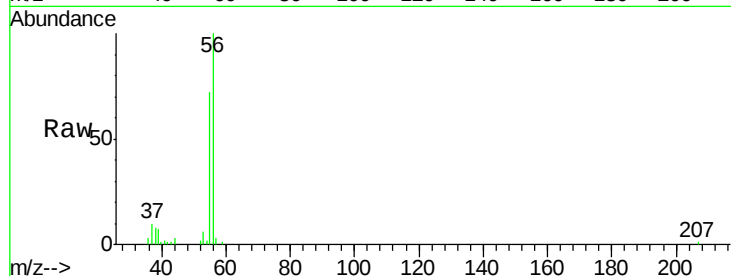
ClientSampleId :

Tot Ion: 56 Resp: 68238

Ion Ratio Lower Upper

56 100

55 71.2 54.8 82.2



#14

Allyl chloride

Concen: 41.212 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

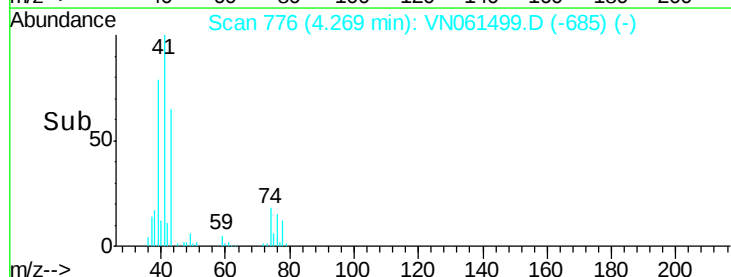
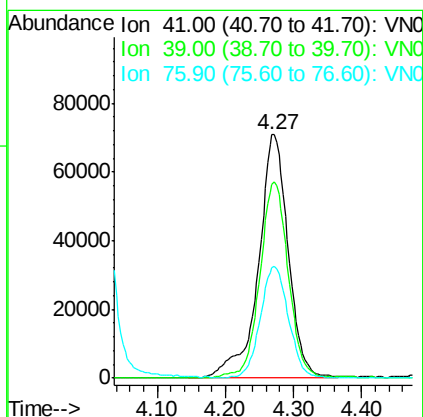
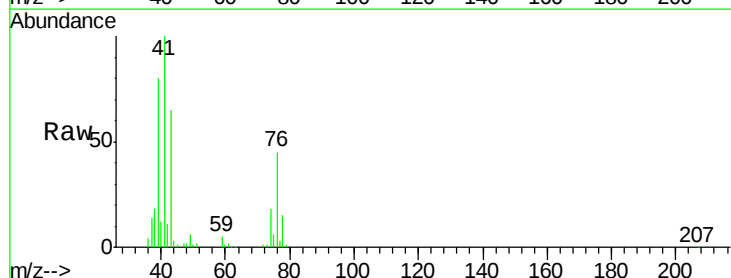
Tgt Ion: 41 Resp: 215147

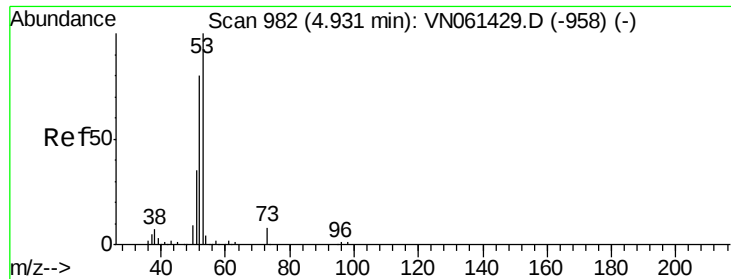
Ion Ratio Lower Upper

41 100

39 77.1 61.2 91.8

76 42.8 29.9 44.9





#15

Acrylonitrile

Concen: 203.089 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

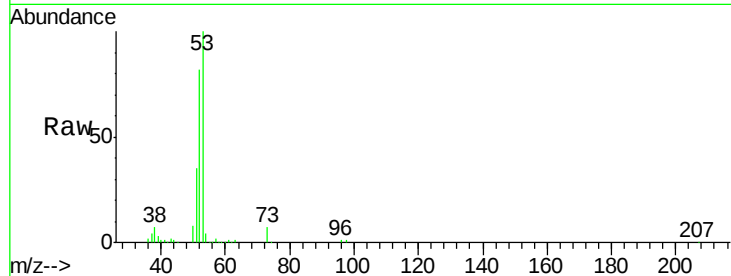
Tot Ion: 53 Resp: 323809

Ion Ratio Lower Upper

53 100

52 81.9 64.7 97.1

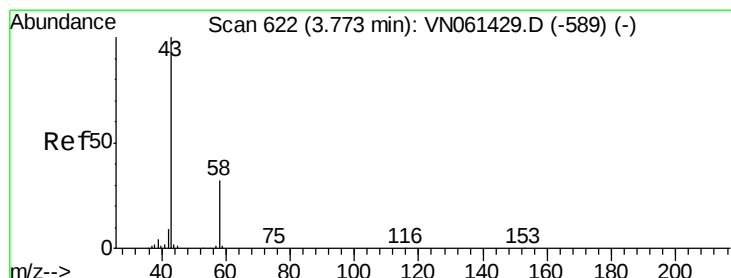
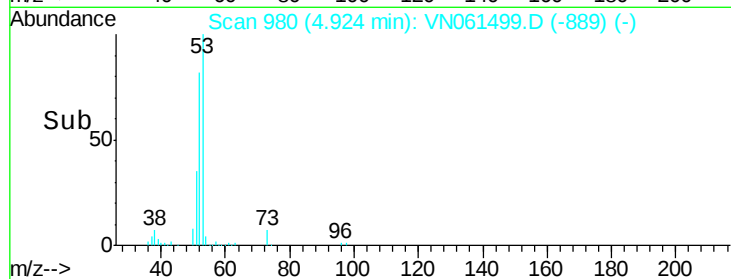
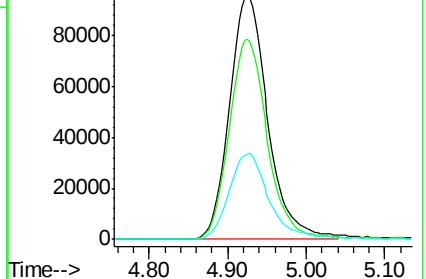
51 36.7 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN061499.D (-958) (-)

Ion 52.00 (51.70 to 52.70): VN061499.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VN061499.D (-958) (-)



#16

Acetone

Concen: 213.886 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061499.D

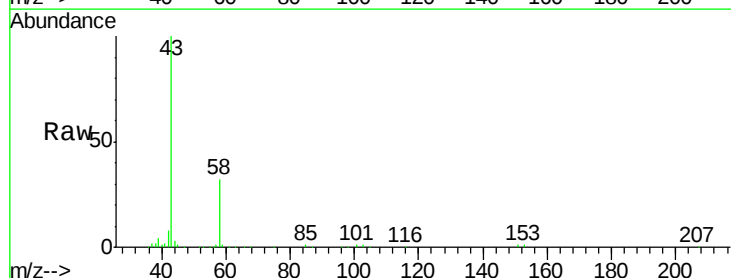
Acq: 20 May 2020 14:17

Tgt Ion: 43 Resp: 257547

Ion Ratio Lower Upper

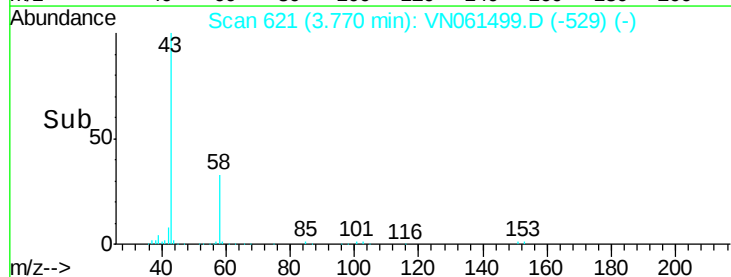
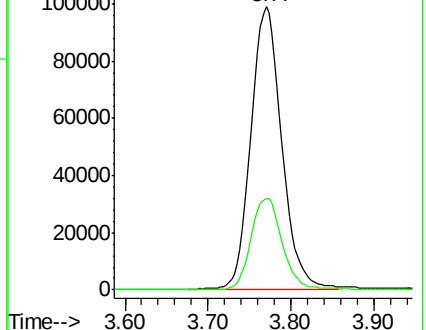
43 100

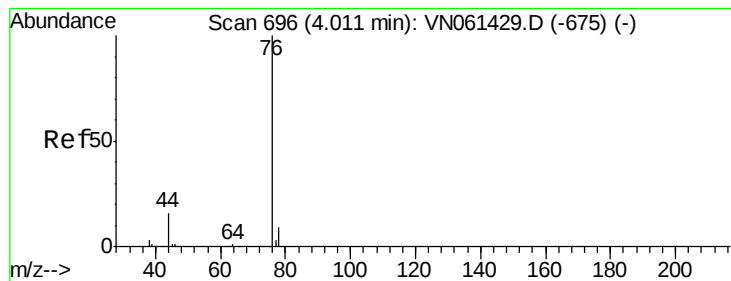
58 32.5 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VN061499.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061499.D (-529) (-)





#17

Carbon Disulfide

Concen: 44.309 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

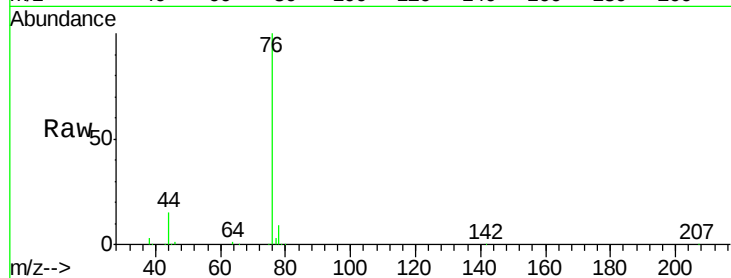
ClientSampled :

Tot Ion: 76 Resp: 307487

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

120000

100000

80000

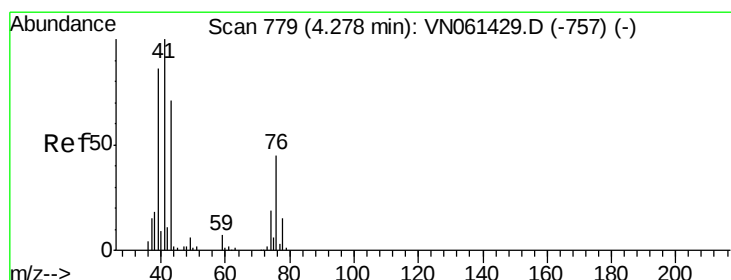
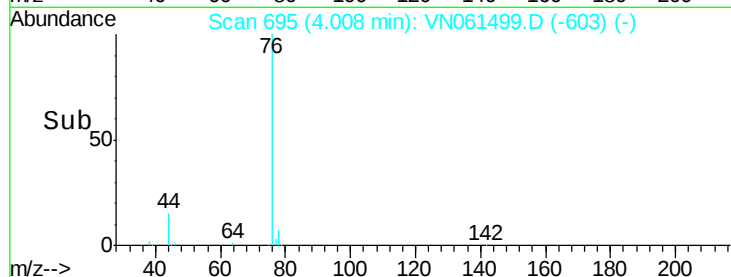
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 41.492 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN061499.D

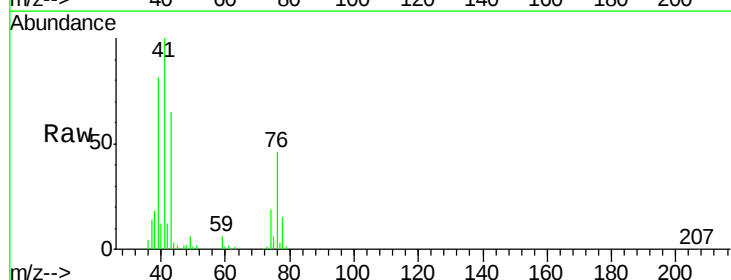
Acq: 20 May 2020 14:17

Tgt Ion: 43 Resp: 133488

Ion Ratio Lower Upper

43 100

74 28.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.27

50000

40000

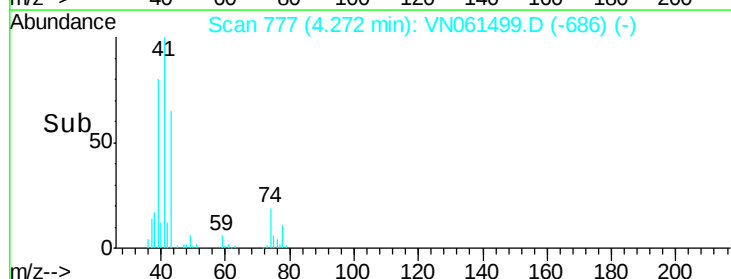
30000

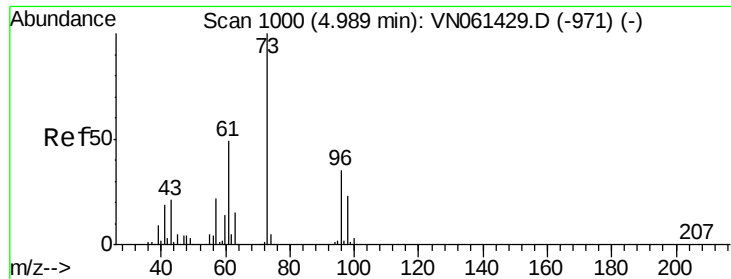
20000

10000

0

Time-->

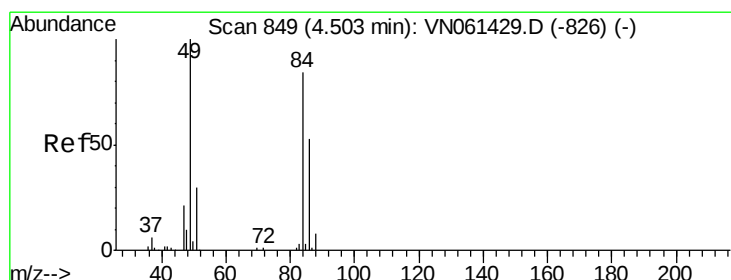
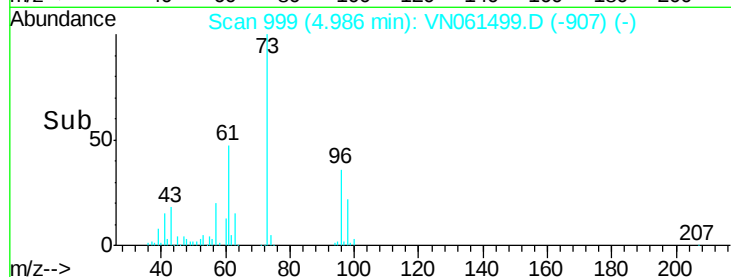
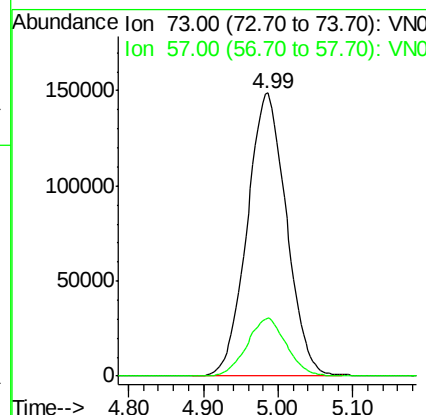
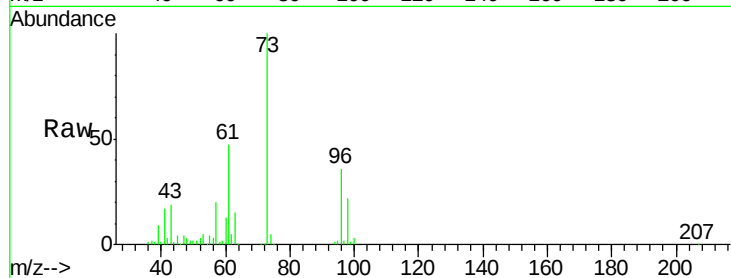




#19
Methvl tert-butvl Ether
Concen: 44.707 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

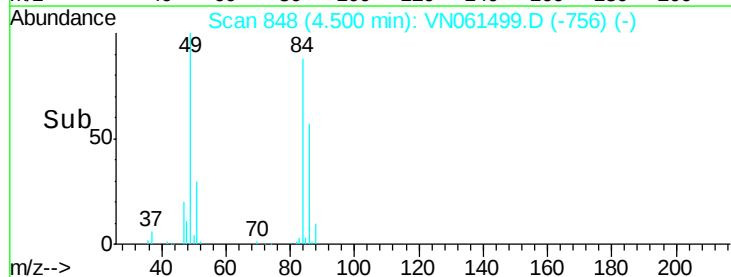
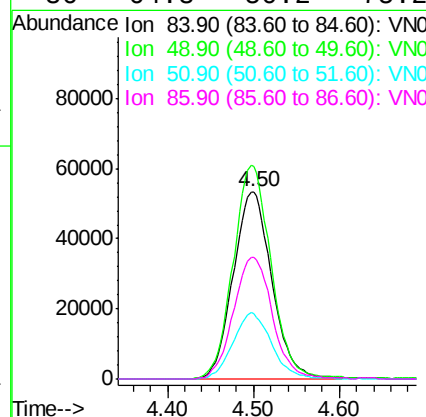
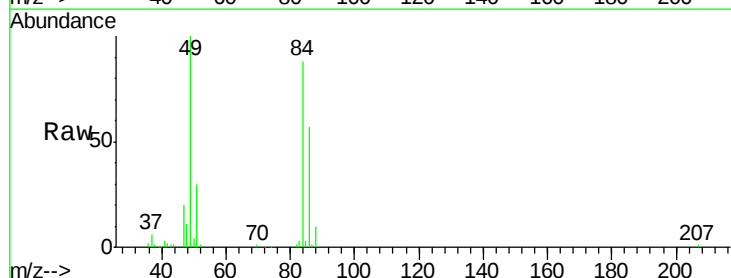
Instrument :
MSVOA_N
ClientSampleId :

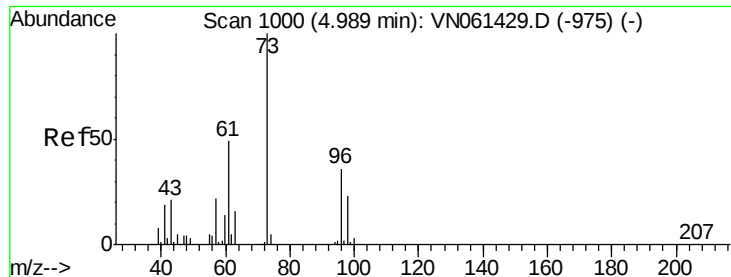
Tot Ion: 73 Resp: 544238
Ion Ratio Lower Upper
73 100
57 20.4 17.4 26.0



#20
Methylene Chloride
Concen: 43.488 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion: 84 Resp: 166932
Ion Ratio Lower Upper
84 100
49 113.3 95.3 142.9
51 34.5 29.0 43.6
86 64.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 46.327 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

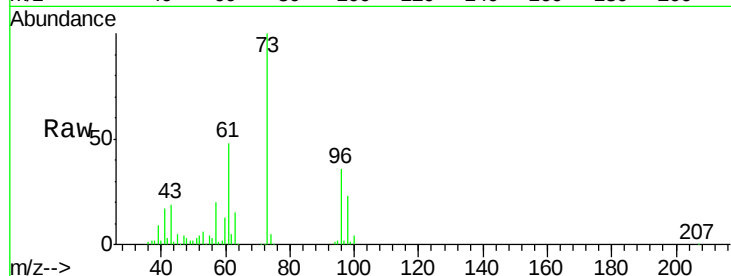
Tot Ion: 96 Resp: 171364

Ion Ratio Lower Upper

96 100

61 132.0 109.8 164.6

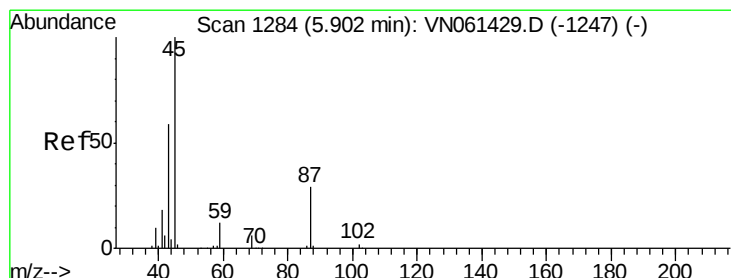
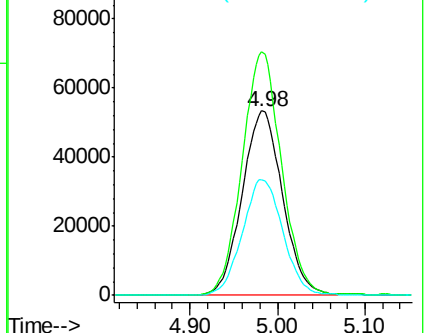
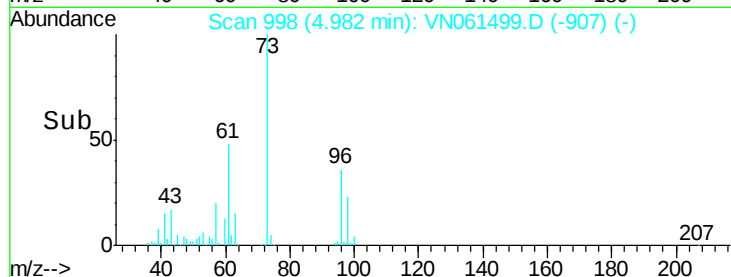
98 63.0 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VN061499.D (-907) (-)

Ion 60.90 (60.60 to 61.60): VN061499.D (-907) (-)

Ion 97.90 (97.60 to 98.60): VN061499.D (-907) (-)



#22

Diisopropyl ether

Concen: 42.293 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Tgt Ion: 45 Resp: 496151

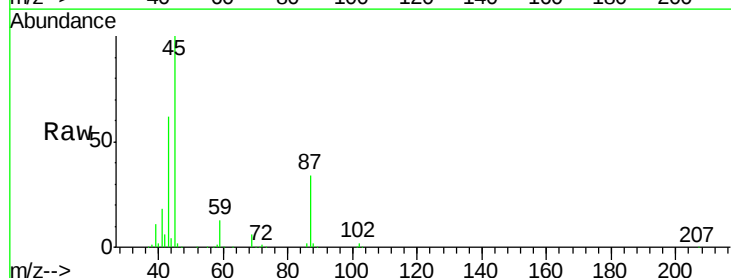
Ion Ratio Lower Upper

45 100

43 61.4 47.9 71.9

87 34.0 24.0 36.0

59 12.8 9.7 14.5

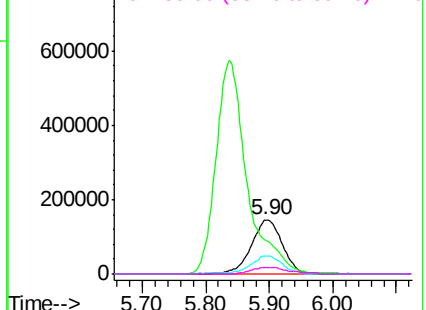
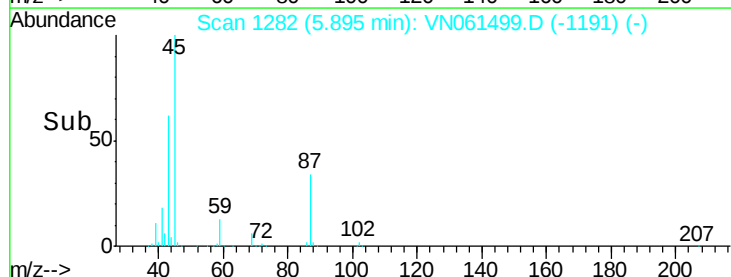


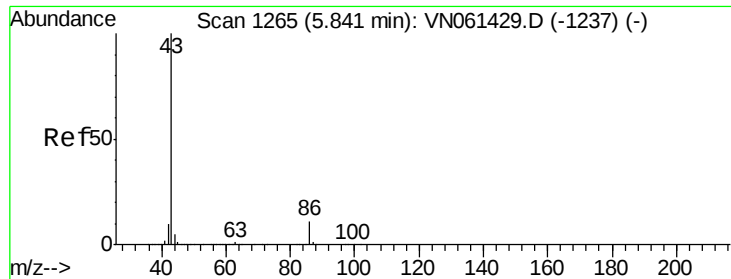
Abundance Ion 45.00 (44.70 to 45.70): VN061499.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061499.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061499.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061499.D (-1191) (-)





#23

Vinyl Acetate

Concen: 209.525 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

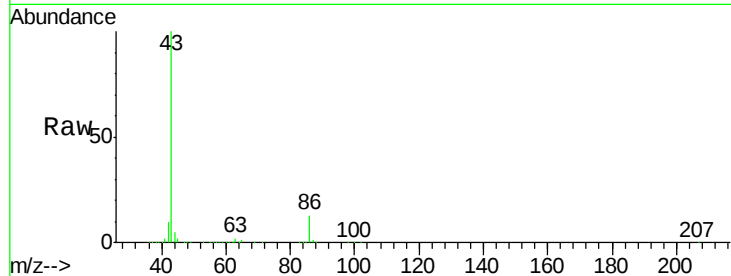
ClientSampleId :

Tot Ion: 43 Resp: 1954624

Ion Ratio Lower Upper

43 100

86 12.9 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN061499.D (-1237) (-)

Ion 86.00 (85.70 to 86.70): VN061499.D (-1237) (-)

5.84

600000

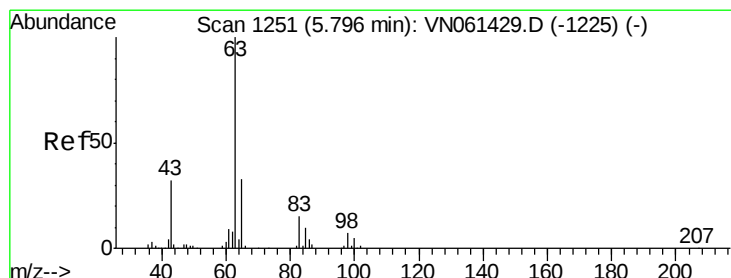
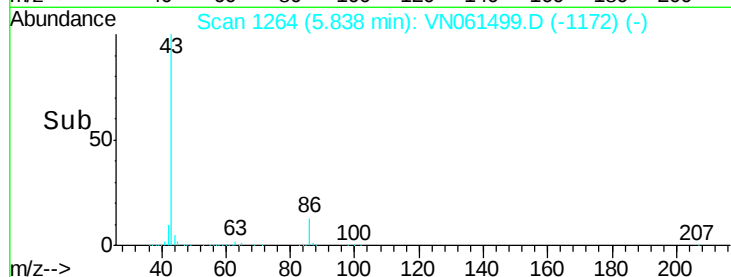
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 44.351 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

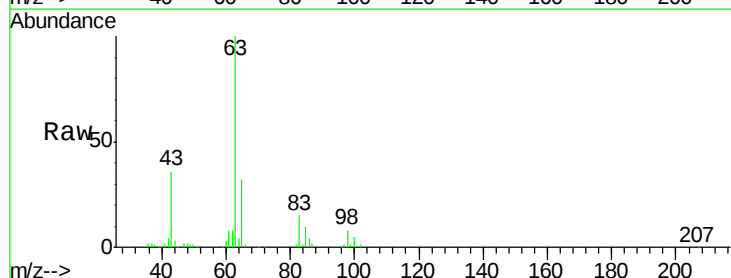
Tgt Ion: 63 Resp: 303473

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

100 4.7 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN061499.D (-1225) (-)

Ion 97.90 (97.60 to 98.60): VN061499.D (-1225) (-)

Ion 99.90 (99.60 to 100.60): VN061499.D (-1225) (-)

5.79

120000

100000

80000

60000

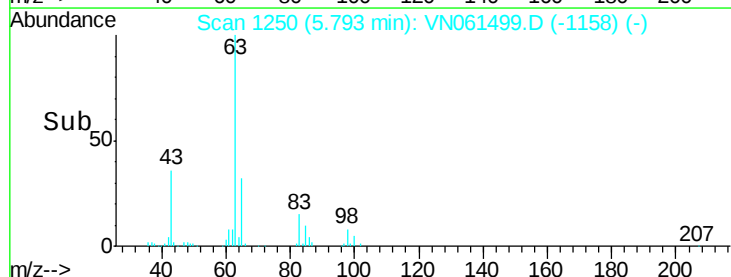
40000

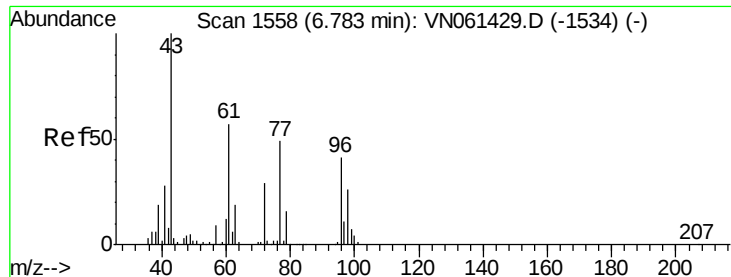
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 199.588 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

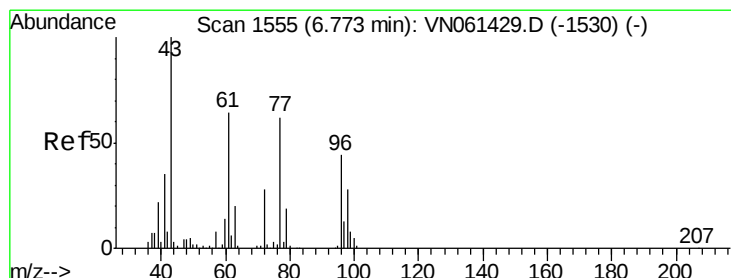
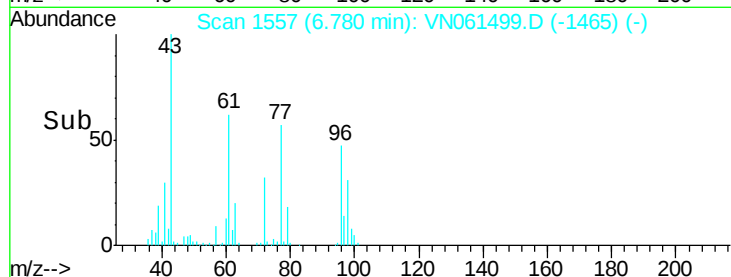
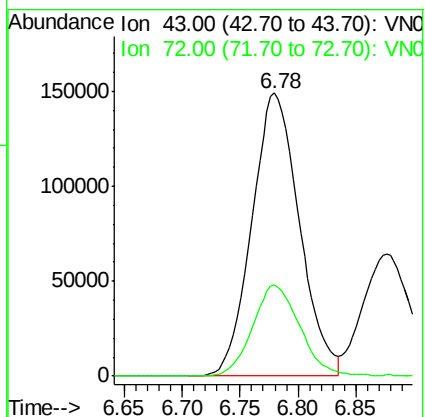
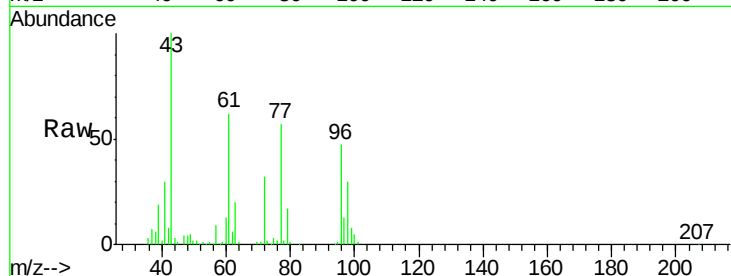
ClientSampled :

Tot Ion: 43 Resp: 424444

Ion Ratio Lower Upper

43 100

72 32.4 23.0 34.6



#26

2,2-Dichloropropane

Concen: 44.947 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VN061499.D

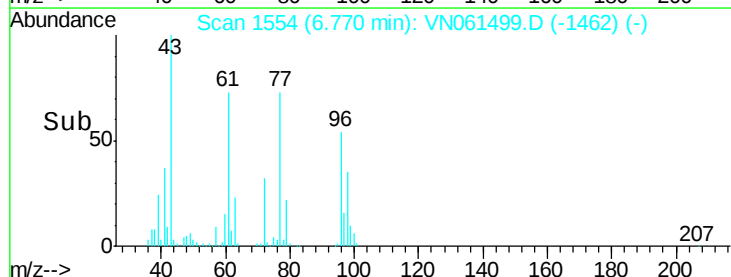
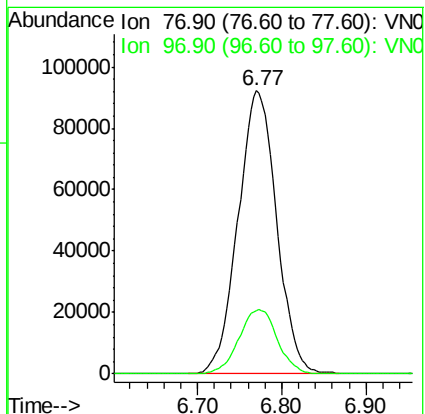
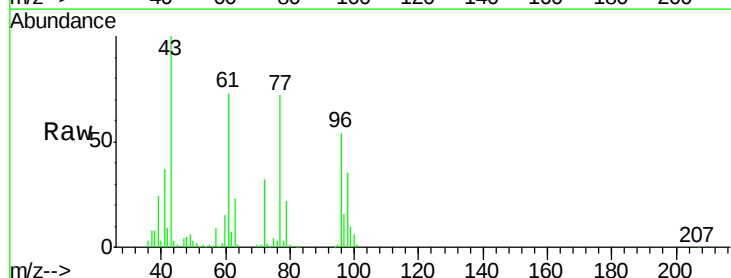
Acq: 20 May 2020 14:17

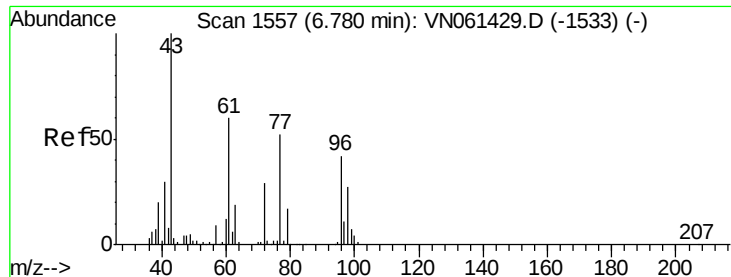
Tgt Ion: 77 Resp: 293187

Ion Ratio Lower Upper

77 100

97 22.8 10.9 32.9

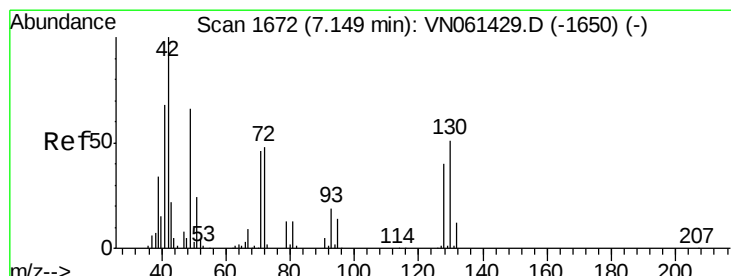
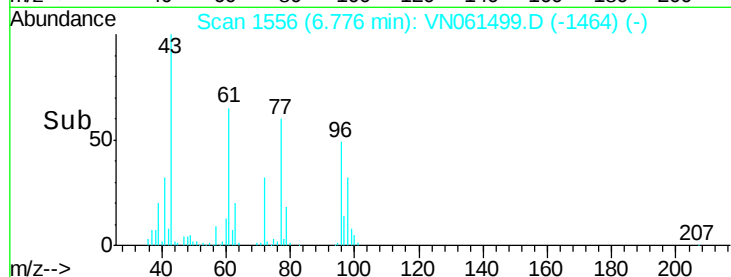
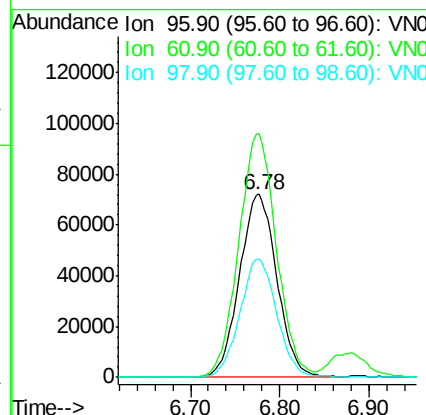
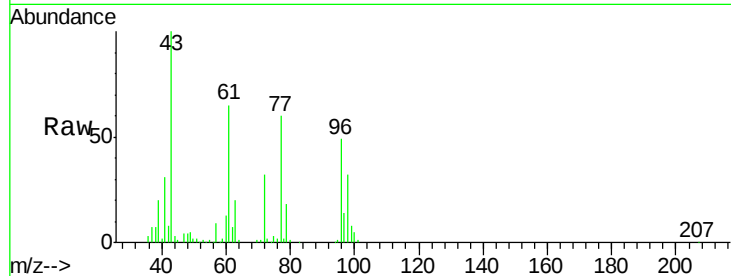




#27
 cis-1,2-Dichloroethene
 Concen: 48.192 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

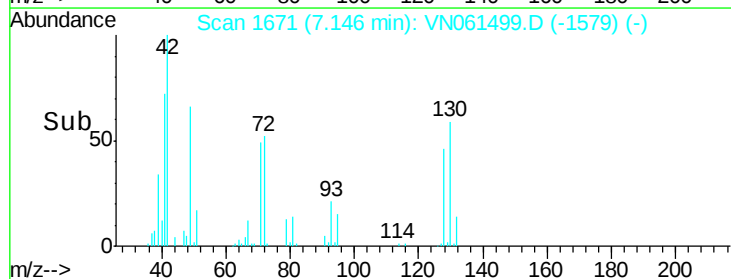
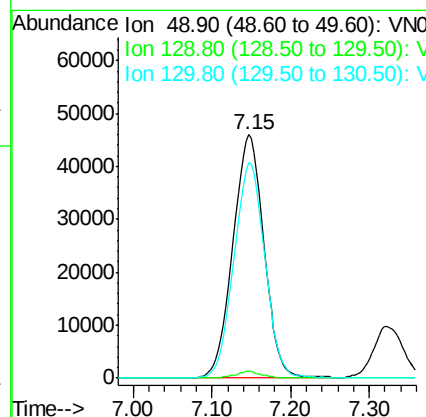
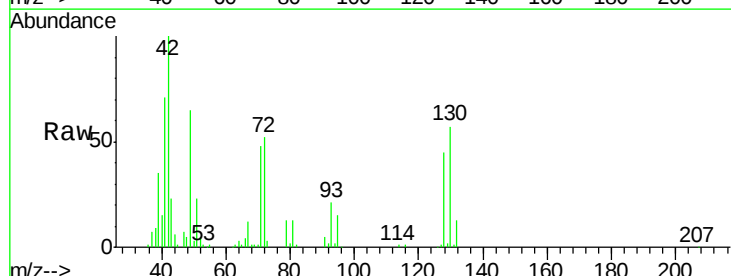
Instrument :
 MSVOA_N
 ClientSampleID :

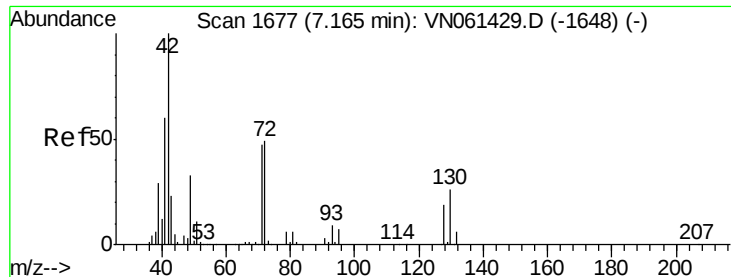
Tot Ion: 96 Resp: 210570
 Ion Ratio Lower Upper
 96 100
 61 133.5 0.0 294.2
 98 63.7 0.0 128.2



#28
 Bromochloromethane
 Concen: 43.380 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion: 49 Resp: 125994
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.6
 130 88.1 62.2 93.2





#29

Tetrahydrofuran

Concen: 198.523 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. -0.01 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampled :

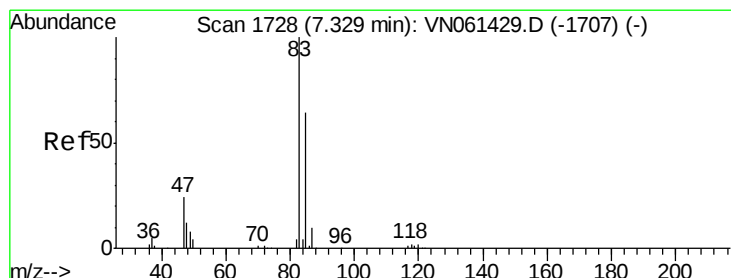
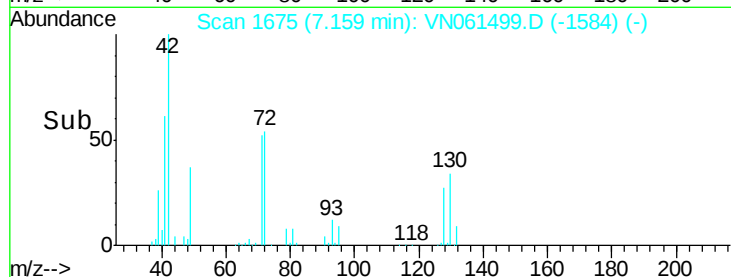
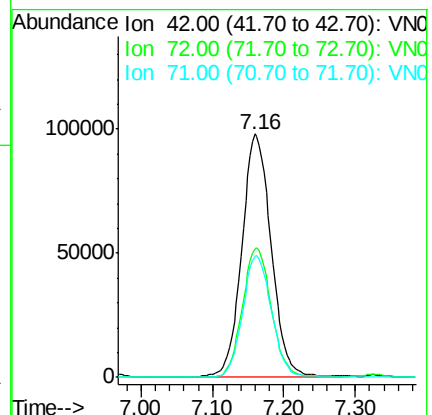
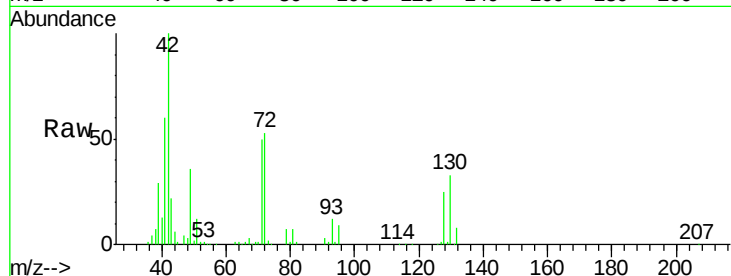
Tot Ion: 42 Resp: 279598

Ion Ratio Lower Upper

42 100

72 52.9 39.0 58.6

71 49.2 36.9 55.3



#30

Chloroform

Concen: 47.039 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN061499.D

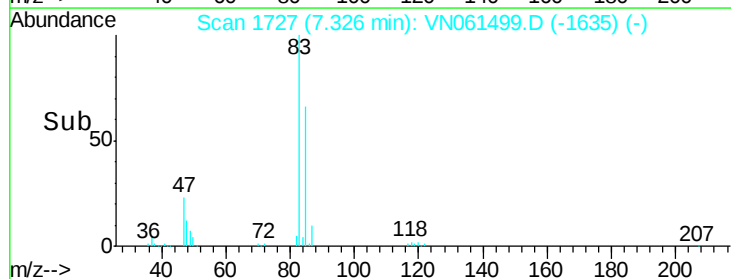
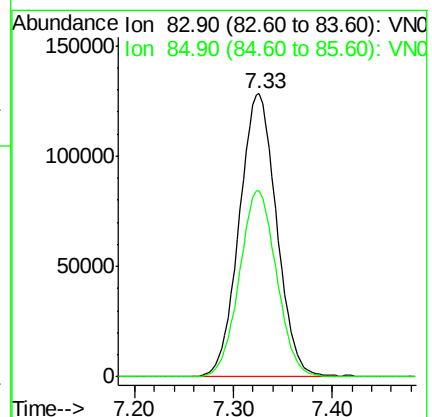
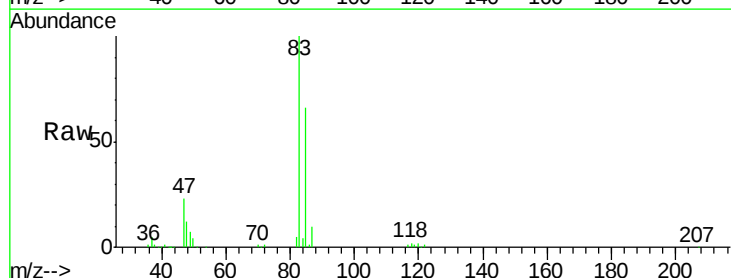
Acq: 20 May 2020 14:17

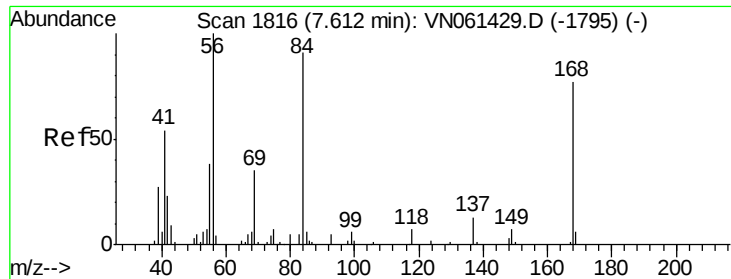
Tgt Ion: 83 Resp: 336181

Ion Ratio Lower Upper

83 100

85 65.5 51.0 76.4

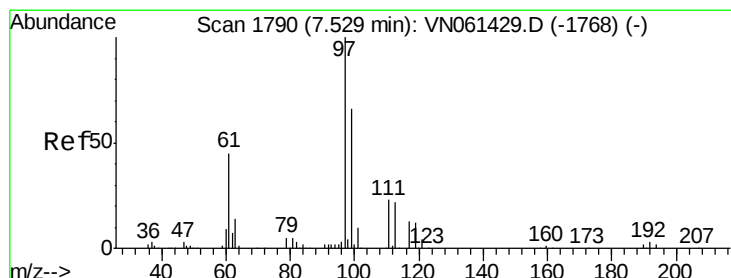
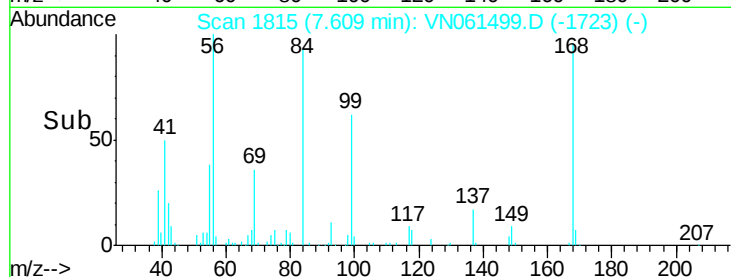
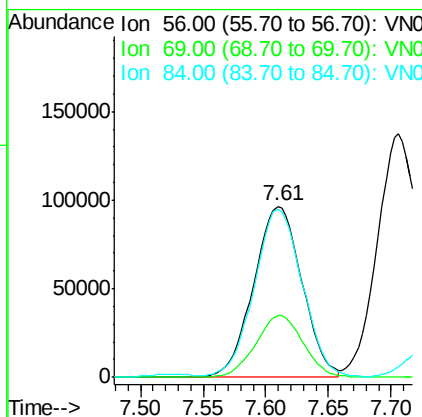
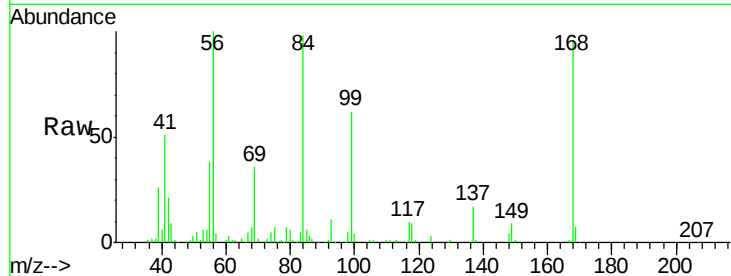




#31
Cyclohexane
Concen: 42.546 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

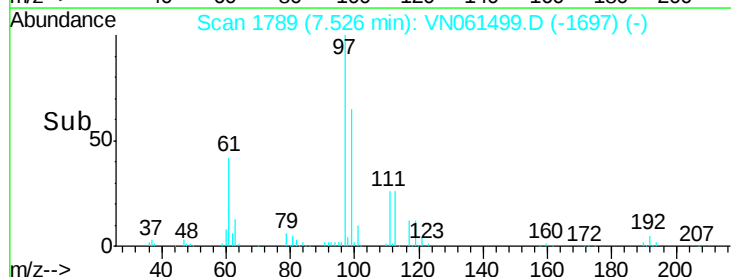
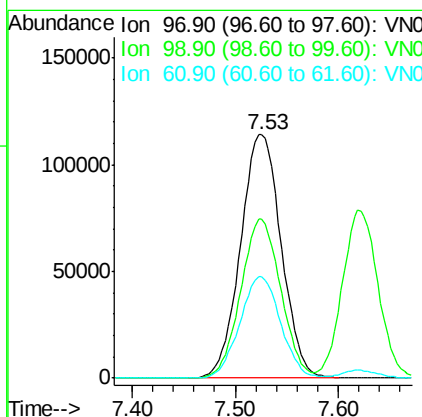
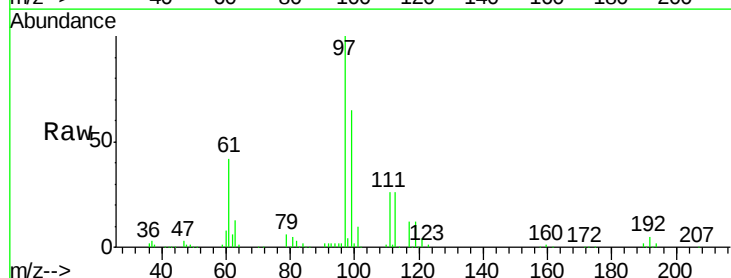
Instrument :
MSVOA_N
ClientSampled :

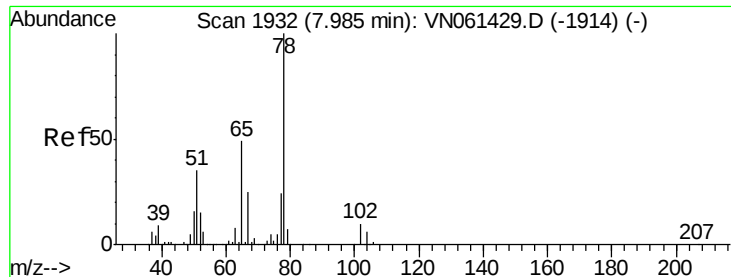
Tot Ion: 56 Resp: 258907
Ion Ratio Lower Upper
56 100
69 36.1 27.8 41.6
84 96.7 72.7 109.1



#32
1,1,1-Trichloroethane
Concen: 47.907 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion: 97 Resp: 312863
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 41.7 35.8 53.6





#33

1,2-Dichloroethane-d4

Concen: 44.699 ug/l

RT: 7.98 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

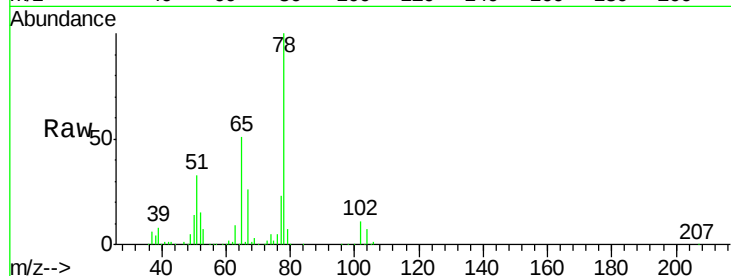
ClientSampleId :

Tot Ion: 65 Resp: 208774

Ion Ratio Lower Upper

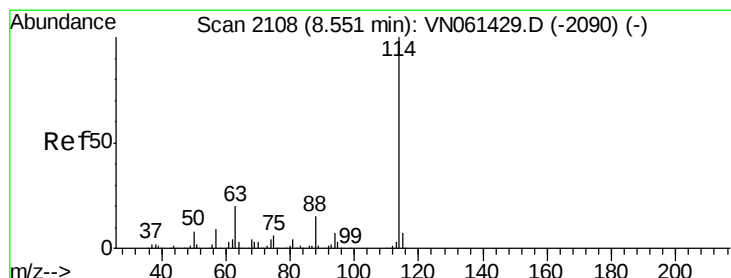
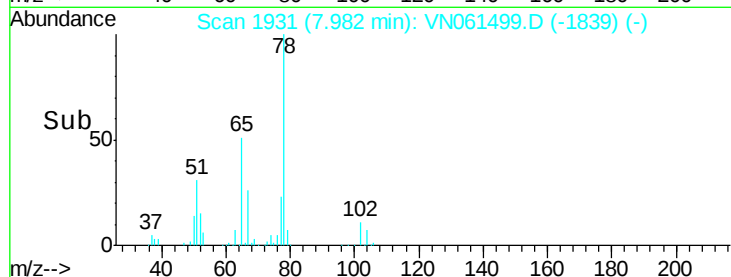
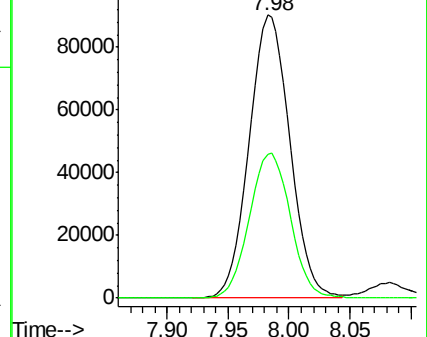
65 100

67 51.7 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN061499.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN061499.D (-1839) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

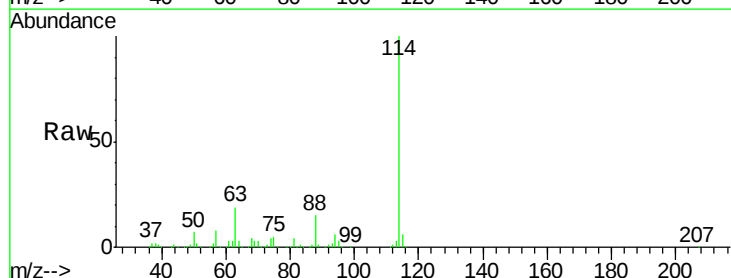
Tgt Ion: 114 Resp: 555065

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.8

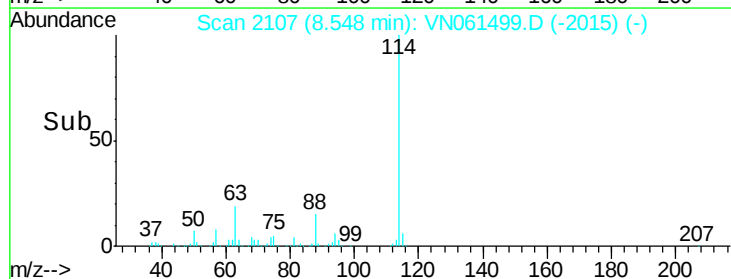
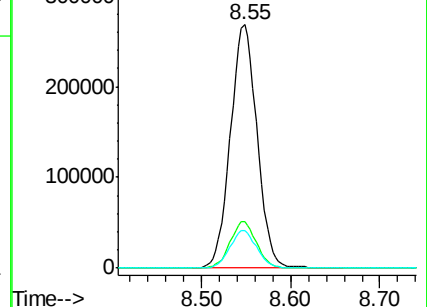
88 15.3 0.0 30.8

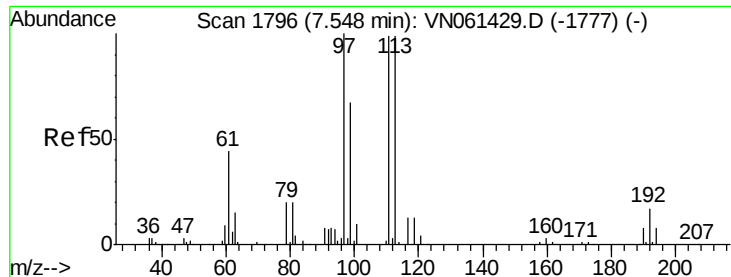


Abundance Ion 113.90 (113.60 to 114.60): VN061499.D (-2155) (-)

Ion 63.00 (62.70 to 63.70): VN061499.D (-2155) (-)

Ion 87.90 (87.60 to 88.60): VN061499.D (-2155) (-)





#35

Dibromofluoromethane

Concen: 50.500 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampled :

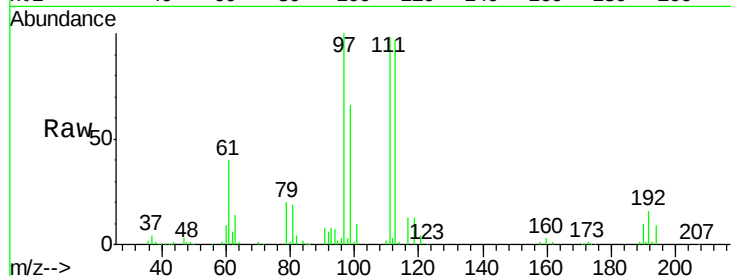
Tot Ion:113 Resp: 146845

Ion Ratio Lower Upper

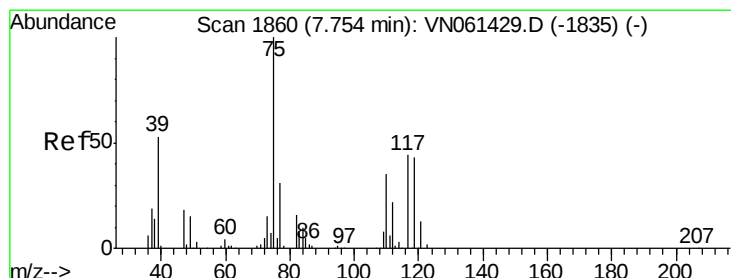
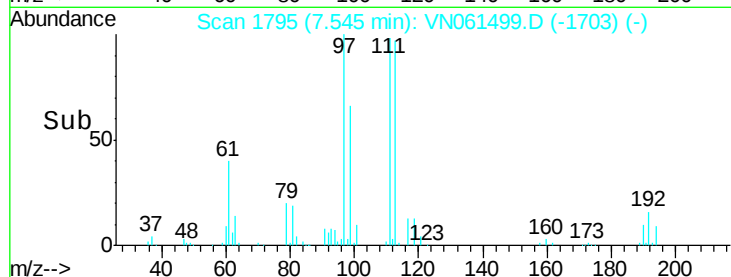
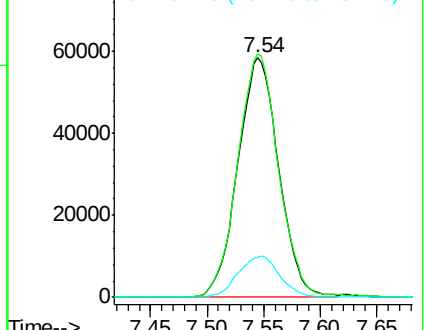
113 100

111 101.7 80.6 121.0

192 17.5 13.2 19.8



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



#36

1,1-Dichloropropene

Concen: 47.473 ug/l

RT: 7.75 min Scan# 1858

Delta R.T. -0.01 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

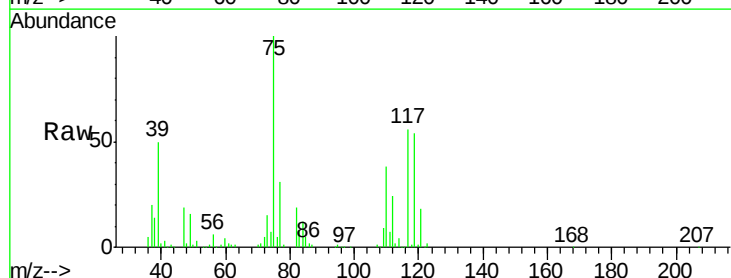
Tgt Ion: 75 Resp: 246390

Ion Ratio Lower Upper

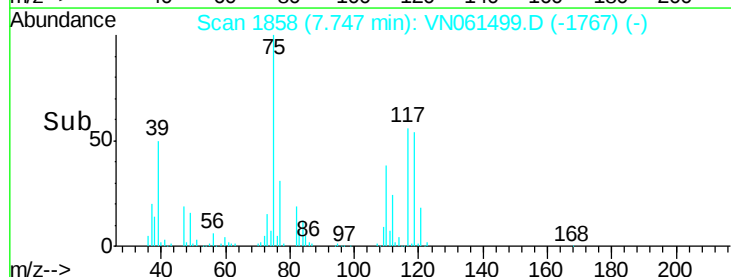
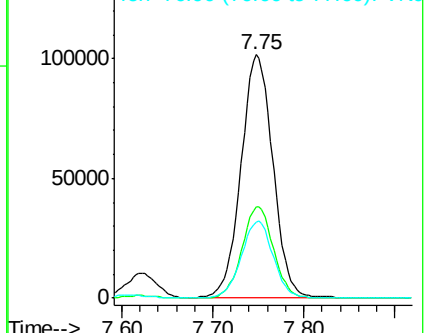
75 100

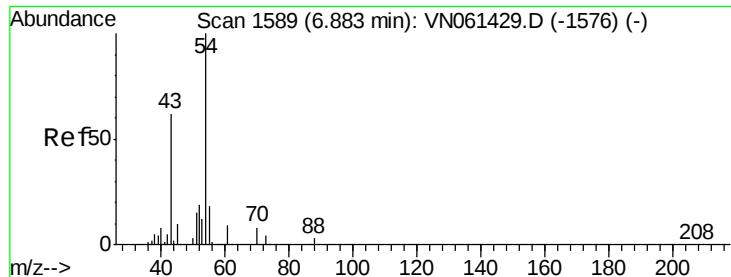
110 37.1 17.3 51.9

77 31.8 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

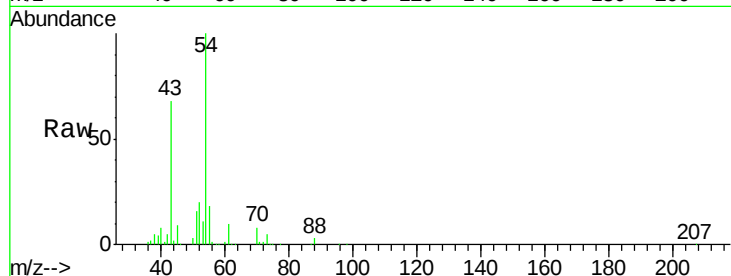




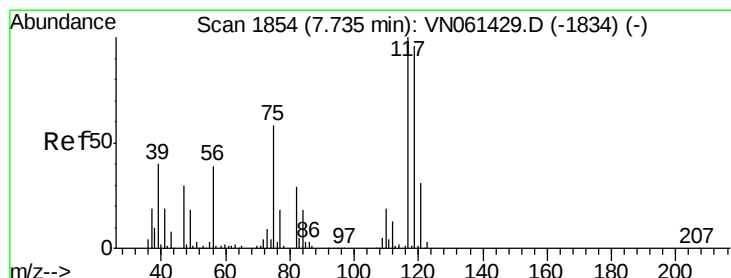
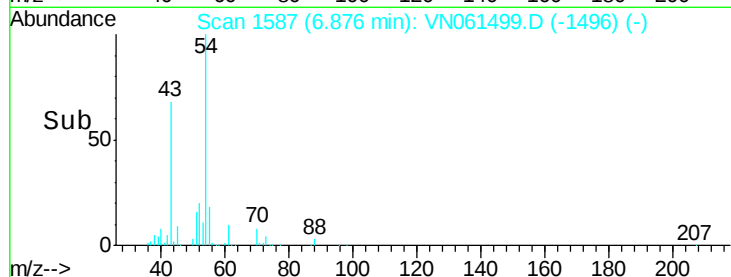
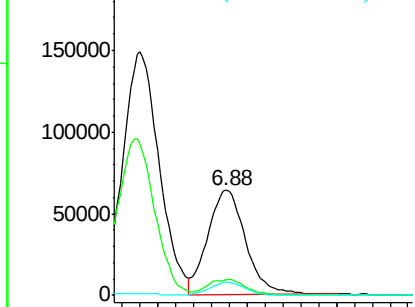
#37
Ethyl Acetate
Concen: 40.154 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 188999
Ion Ratio Lower Upper
43 100
61 14.9 11.7 17.5
70 11.9 9.2 13.8

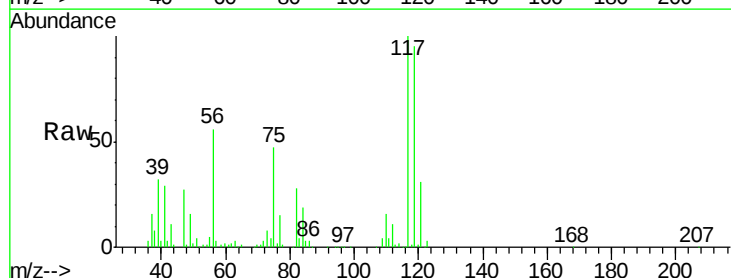


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

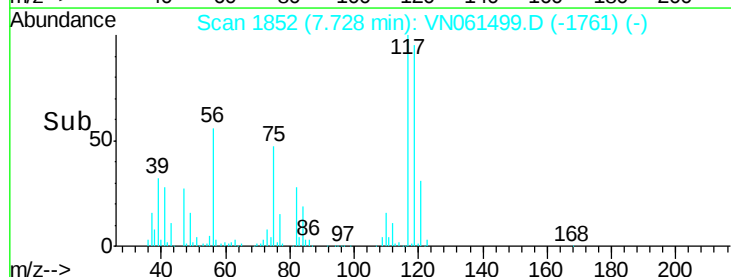
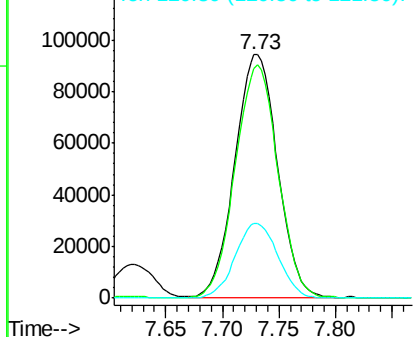


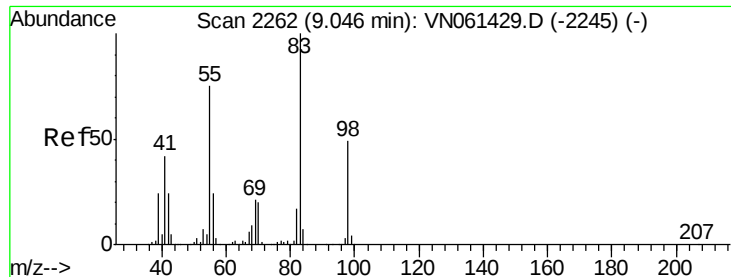
#38
Carbon Tetrachloride
Concen: 51.506 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion: 117 Resp: 246151
Ion Ratio Lower Upper
117 100
119 94.5 77.0 115.6
121 30.9 24.7 37.1



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

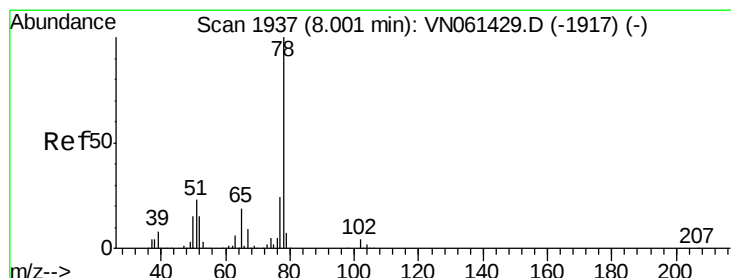
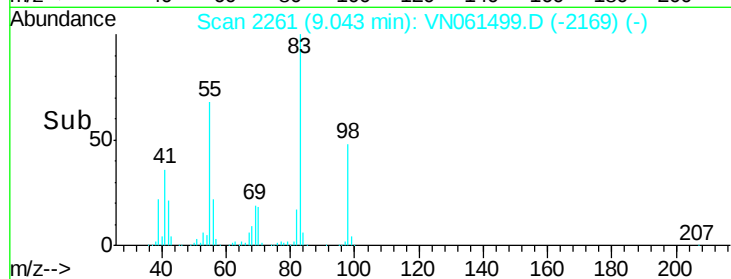
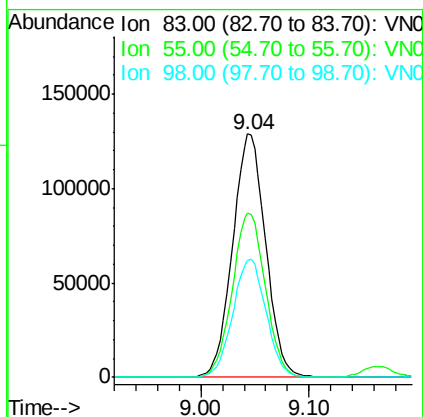
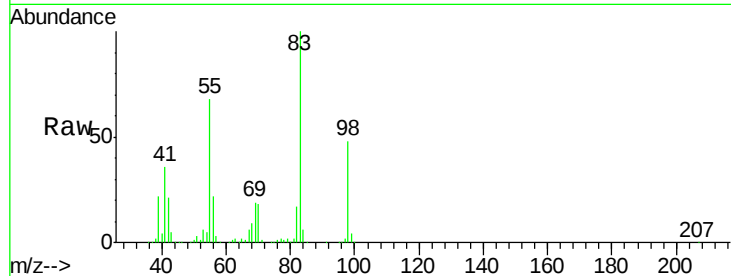




#39
Methvlcvclohexane
Concen: 43.328 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

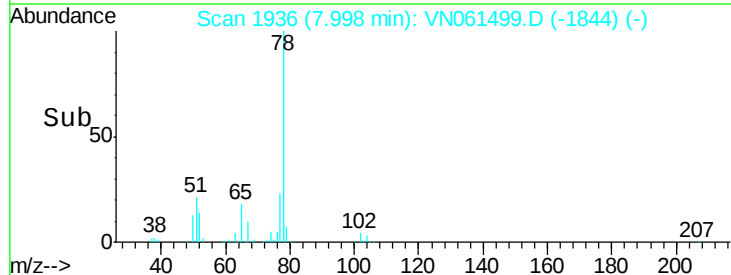
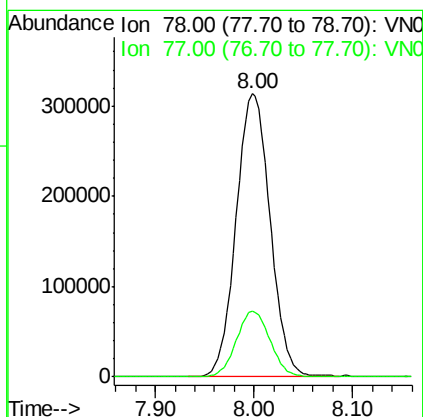
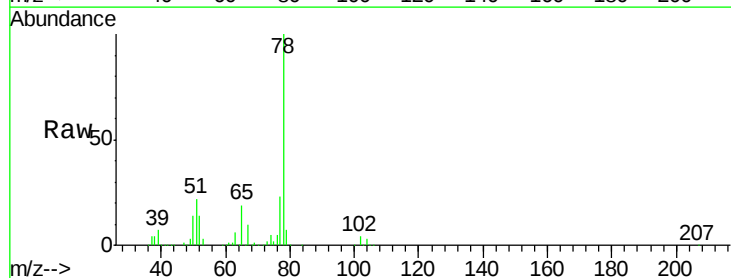
Instrument :
MSVOA_N
ClientSampled :

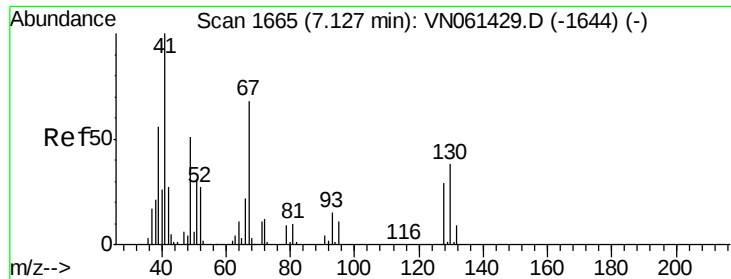
Tot Ion: 83 Resp: 274662
Ion Ratio Lower Upper
83 100
55 67.6 59.7 89.5
98 48.0 38.9 58.3



#40
Benzene
Concen: 47.981 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion: 78 Resp: 750462
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7

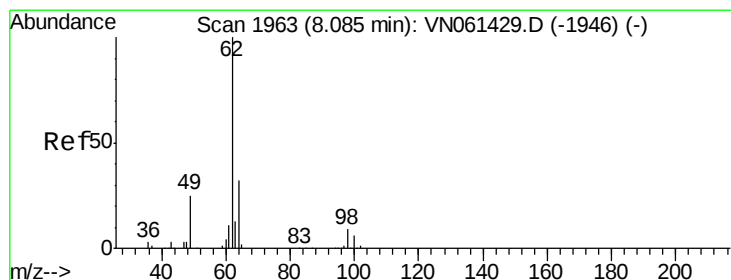
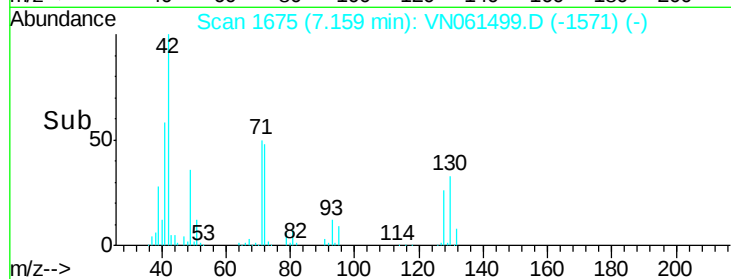
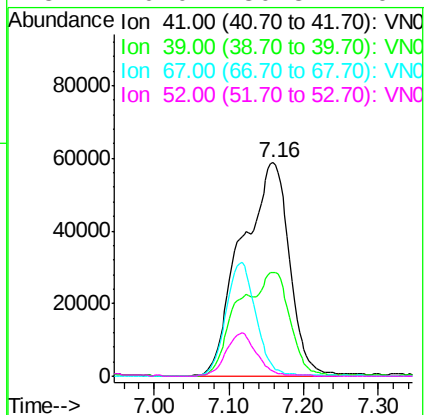
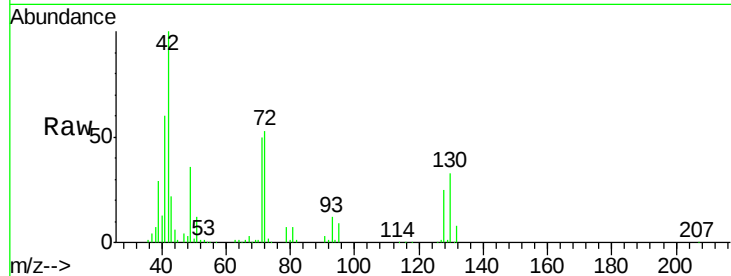




#41
Methacrylonitrile
Concen: 131.908 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.03 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

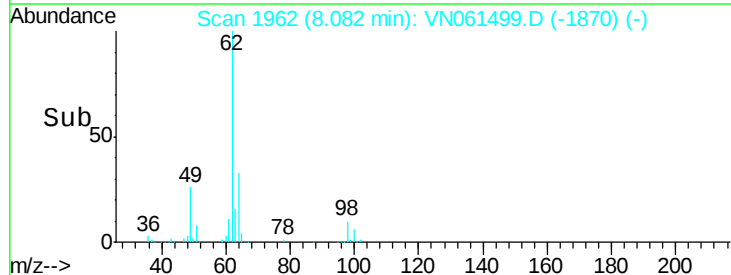
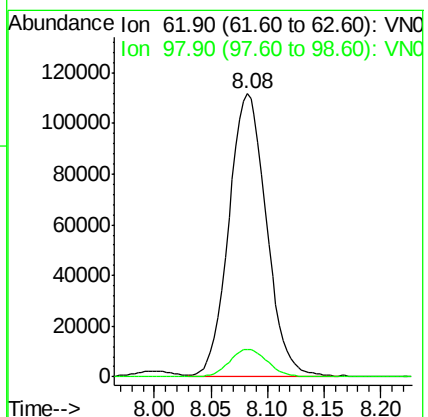
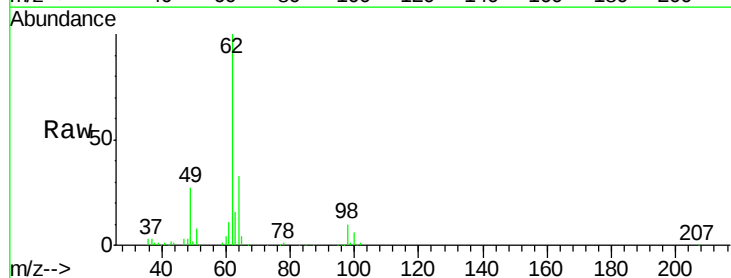
Instrument :
MSVOA_N
ClientSampleId :

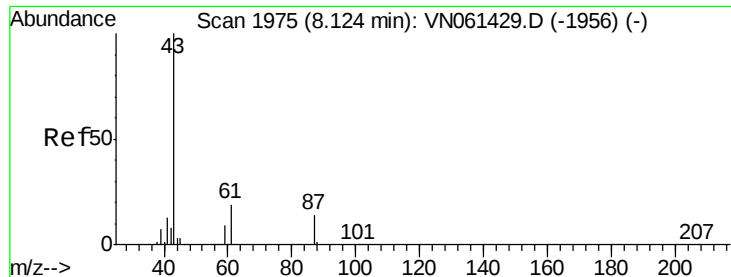
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.3	72.5#
67	0.0	74.2	111.4#
52	0.0	30.8	46.2#



#42
1,2-Dichloroethane
Concen: 45.623 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.4



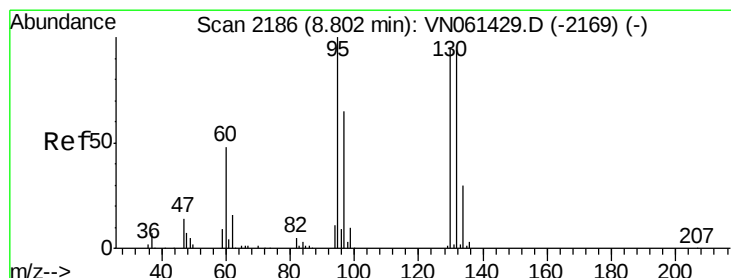
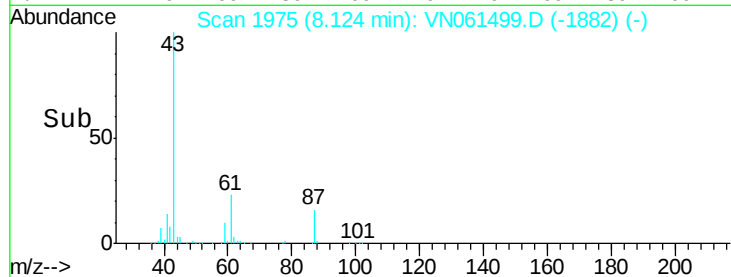
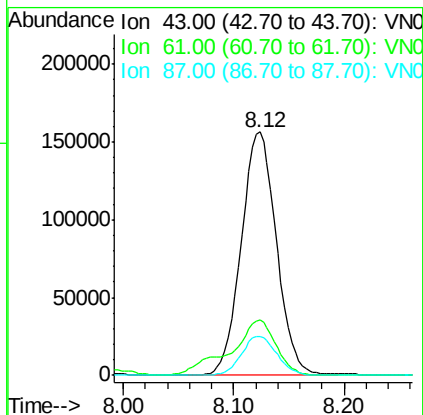
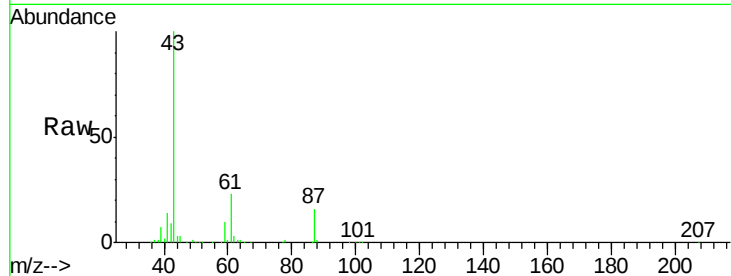


#43

Isopropyl Acetate
 Concen: 41.964 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Instrument :
 MSVOA_N
 ClientSampled :

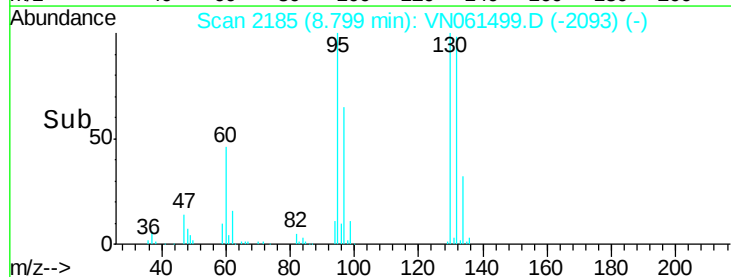
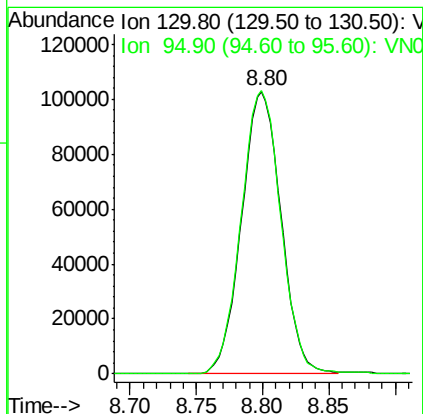
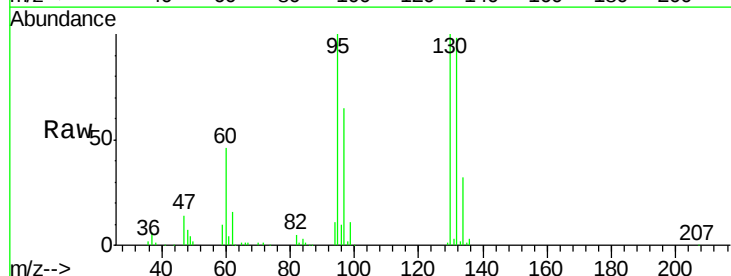
Tot Ion	43	Resp	344496
Ion Ratio	Lower	Upper	
43	100		
61	29.4	23.0	34.4
87	16.2	11.6	17.4

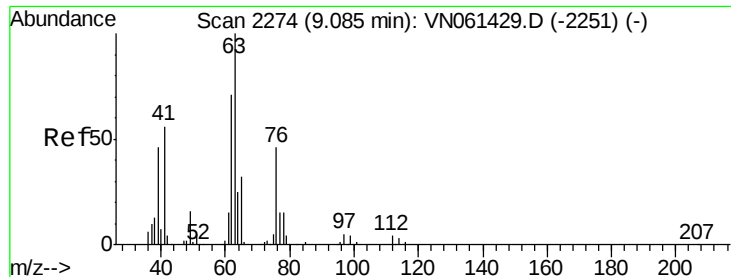


#44

Trichloroethene
 Concen: 51.919 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion	130	Resp	212780
Ion Ratio	Lower	Upper	
130	100		
95	100.2	0.0	209.8





#45

1,2-Dichloropropane

Concen: 46.837 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

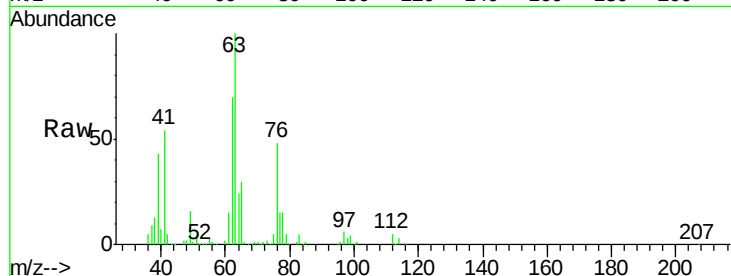
ClientSampled :

Tot Ion: 63 Resp: 183363

Ion Ratio Lower Upper

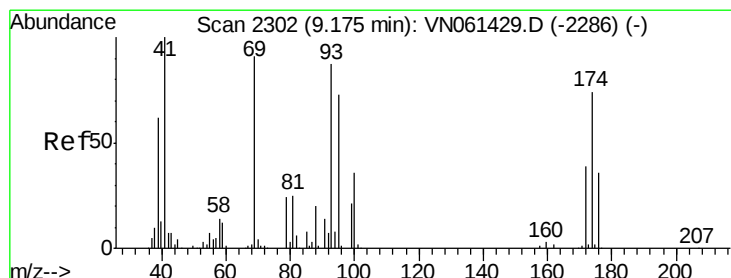
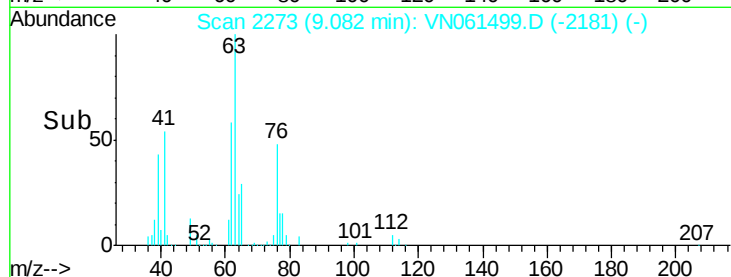
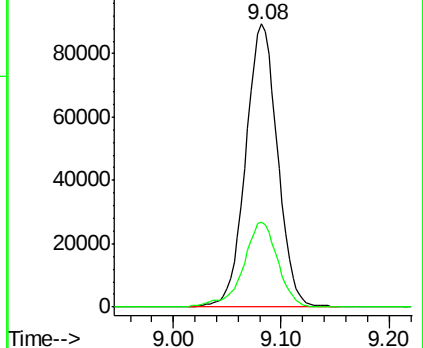
63 100

65 30.2 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN061499.D (-2251) (-)

Ion 64.90 (64.60 to 65.60): VN061499.D (-2251) (-)



#46

Dibromomethane

Concen: 47.682 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

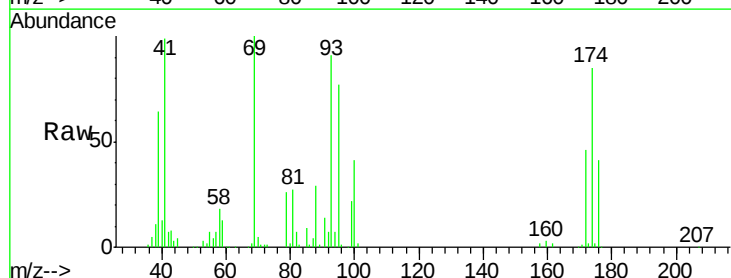
Tgt Ion: 93 Resp: 130863

Ion Ratio Lower Upper

93 100

95 83.5 65.6 98.4

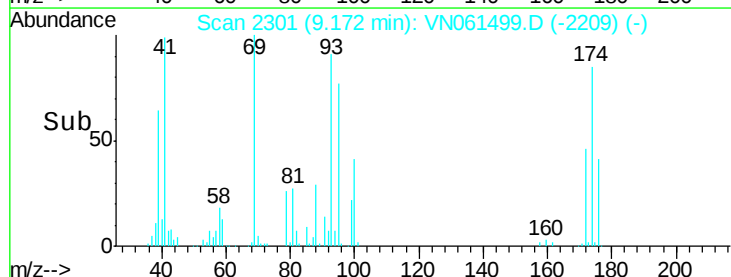
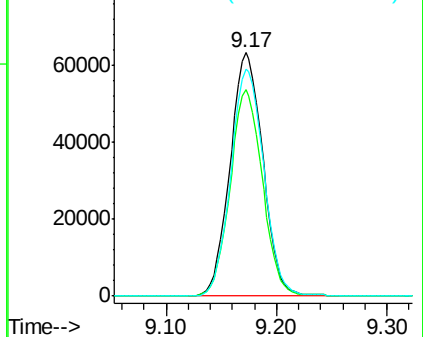
174 93.9 68.0 102.0

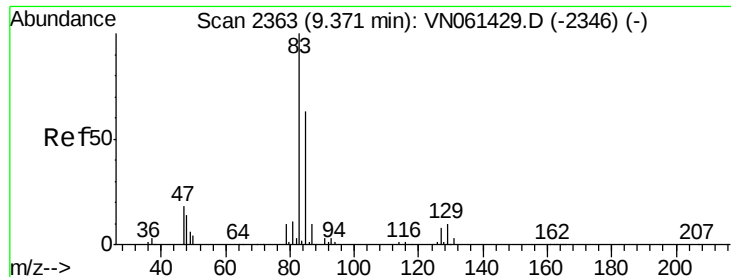


Abundance Ion 92.80 (92.50 to 93.50): VN061499.D (-2286) (-)

Ion 94.80 (94.50 to 95.50): VN061499.D (-2286) (-)

Ion 173.70 (173.40 to 174.40): VN061499.D (-2286) (-)





#47

Bromodichloromethane

Concen: 48.967 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

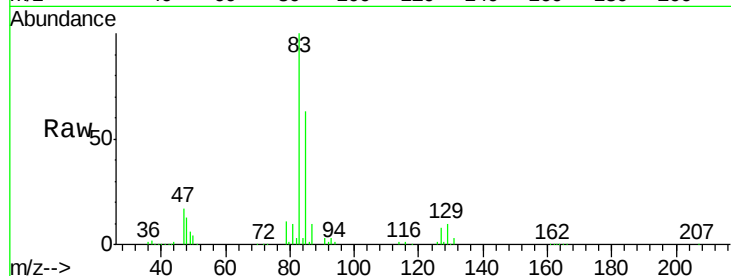
Tot Ion: 83 Resp: 283154

Ion Ratio Lower Upper

83 100

85 62.9 50.6 76.0

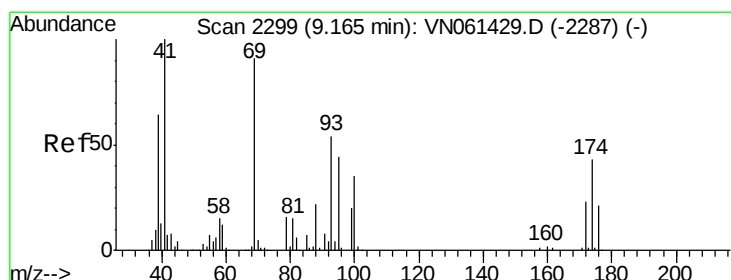
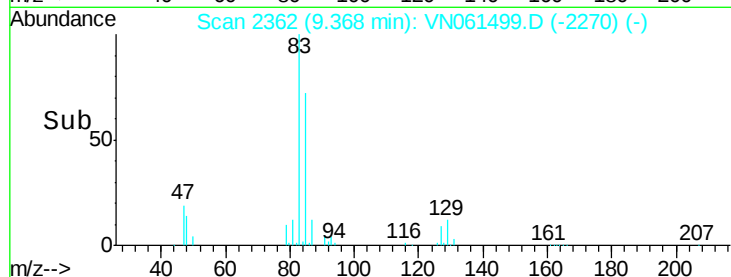
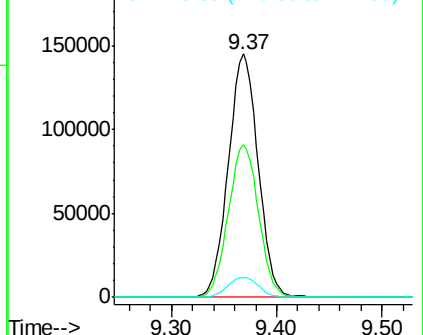
127 8.1 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061499.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061499.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061499.D (-2270) (-)



#48

Methyl methacrylate

Concen: 40.081 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

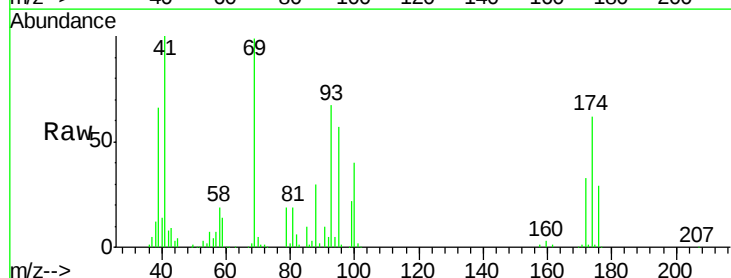
Tgt Ion: 41 Resp: 152002

Ion Ratio Lower Upper

41 100

69 103.2 75.3 112.9

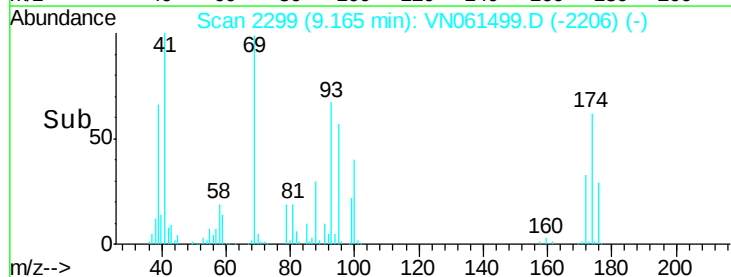
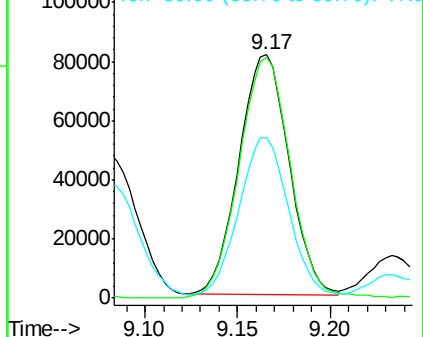
39 67.4 52.6 79.0

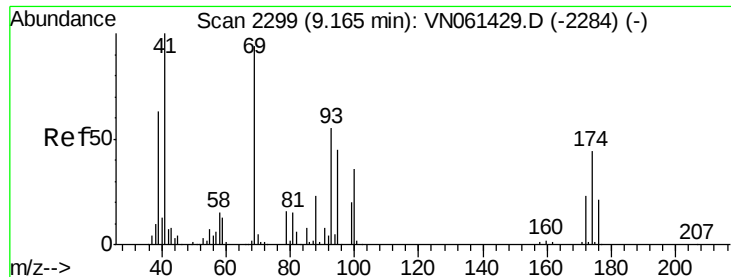


Abundance Ion 41.00 (40.70 to 41.70): VN061499.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061499.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061499.D (-2206) (-)

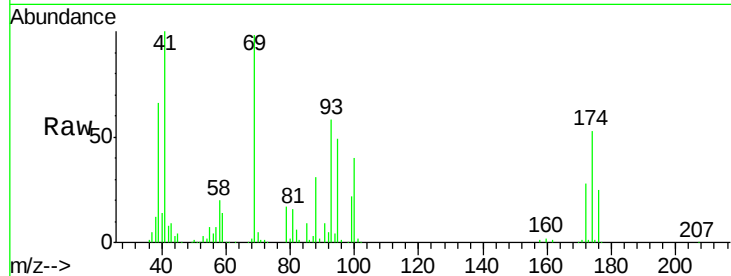




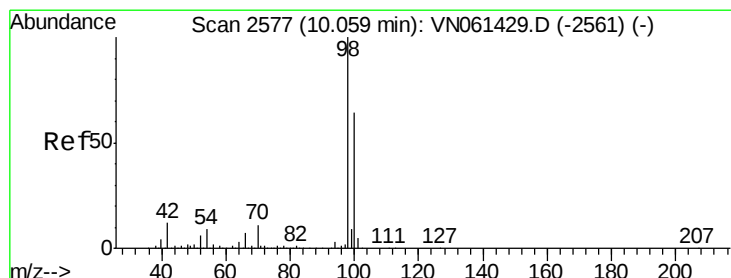
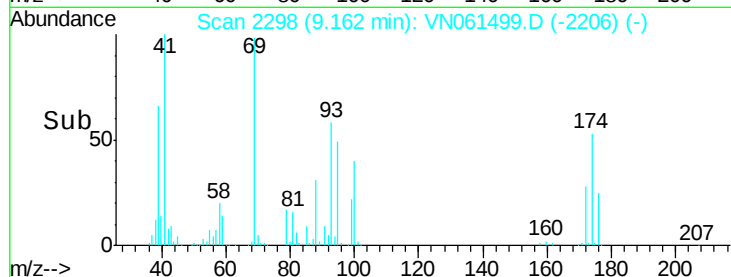
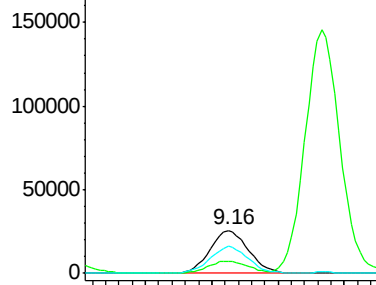
#49
1,4-Dioxane
Concen: 1313.513 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 51922
Ion Ratio Lower Upper
88 100
43 28.1 26.3 39.5
58 62.1 54.1 81.1

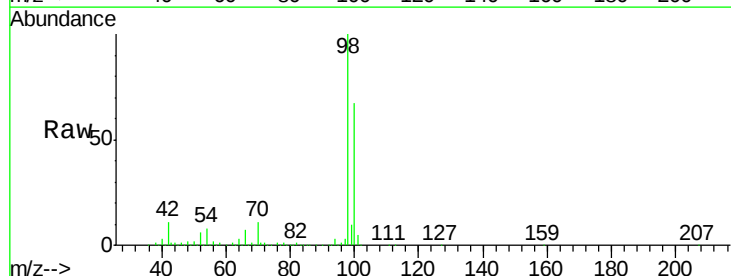


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

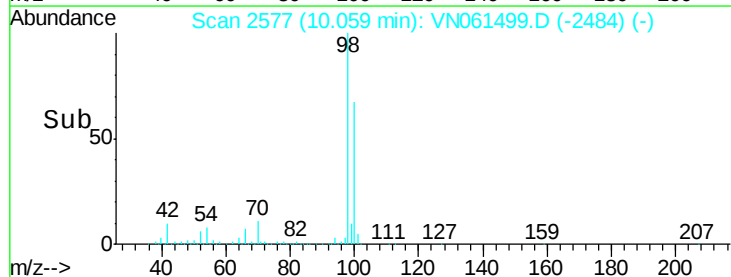
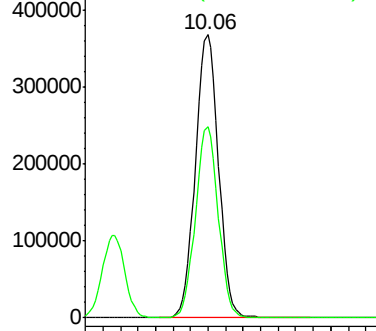


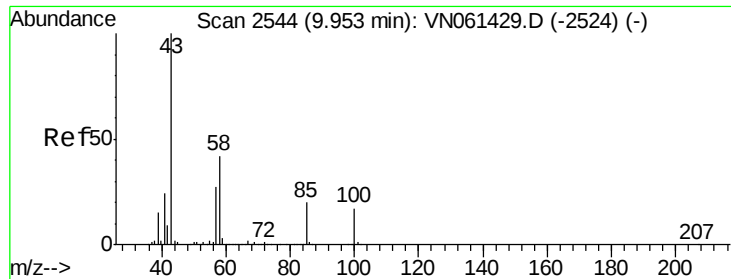
#50
Toluene-d8
Concen: 50.012 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion: 98 Resp: 674517
Ion Ratio Lower Upper
98 100
100 66.5 51.8 77.8



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: 217.599 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

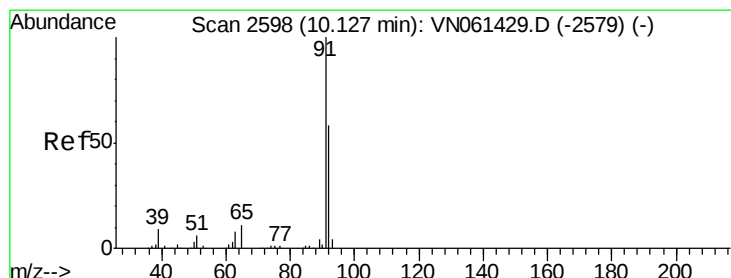
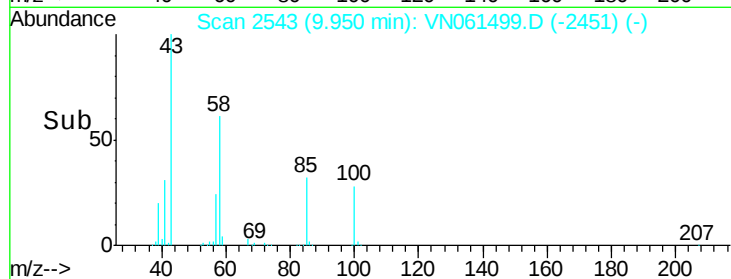
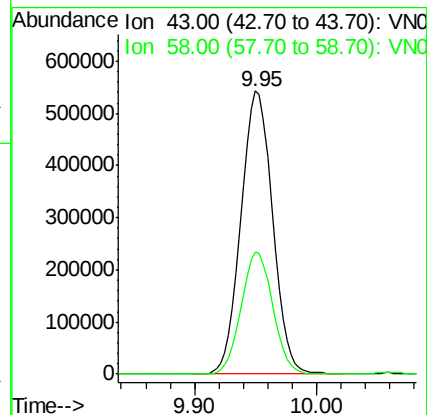
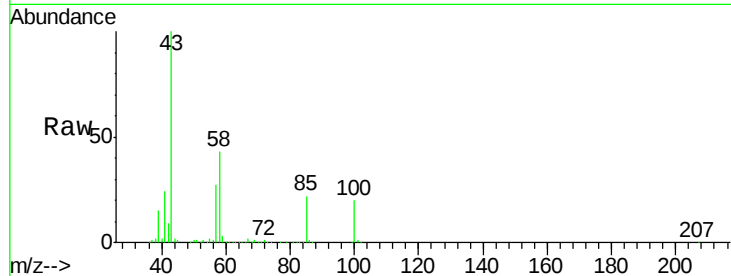
ClientSampled :

Tot Ion: 43 Resp: 973117

Ion Ratio Lower Upper

43 100

58 43.2 33.4 50.2



#52

Toluene

Concen: 50.790 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061499.D

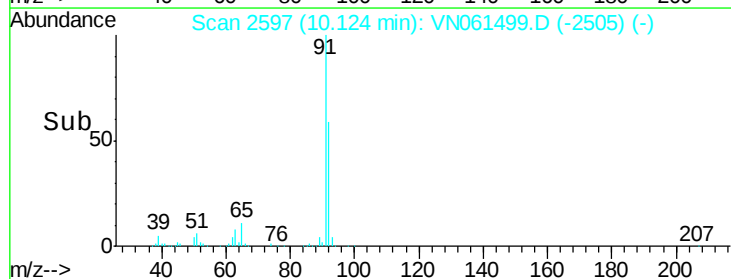
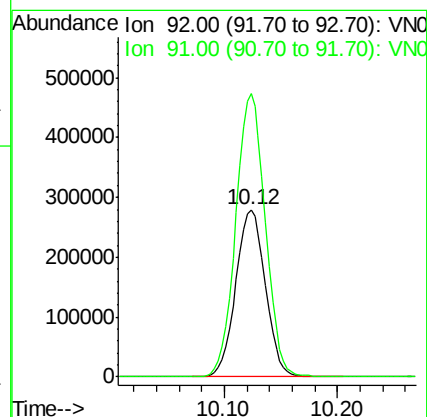
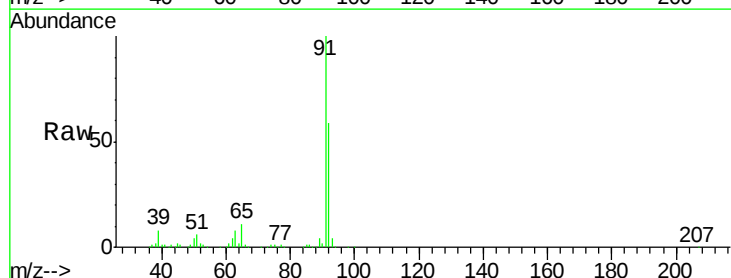
Acq: 20 May 2020 14:17

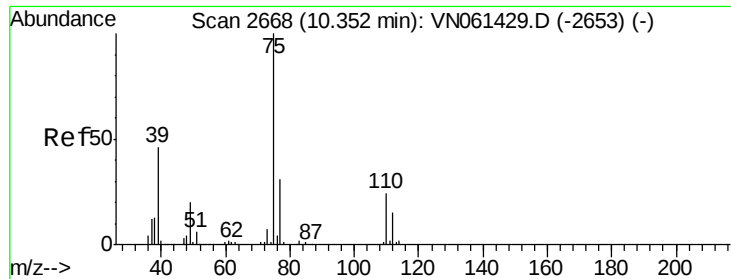
Tgt Ion: 92 Resp: 510011

Ion Ratio Lower Upper

92 100

91 168.6 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 48.707 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

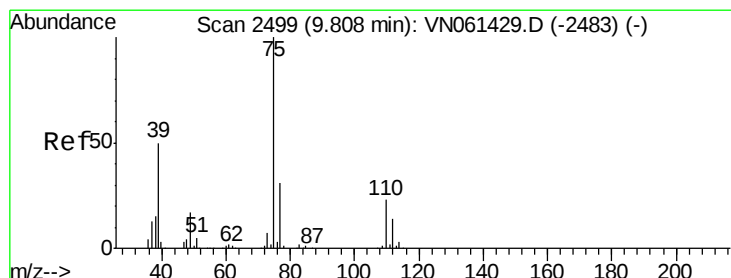
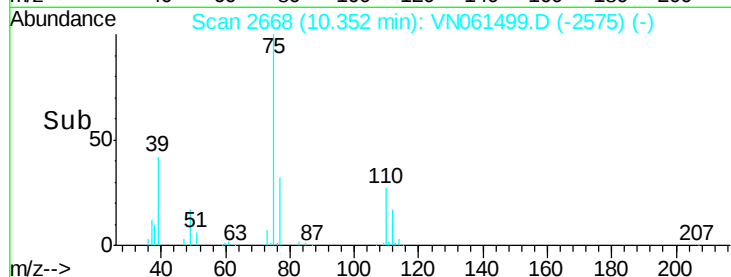
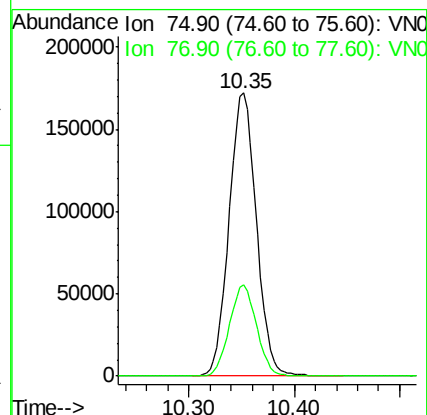
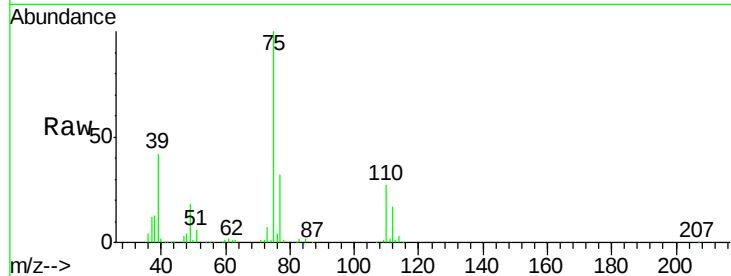
ClientSampleId :

Tot Ion: 75 Resp: 308699

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 48.303 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

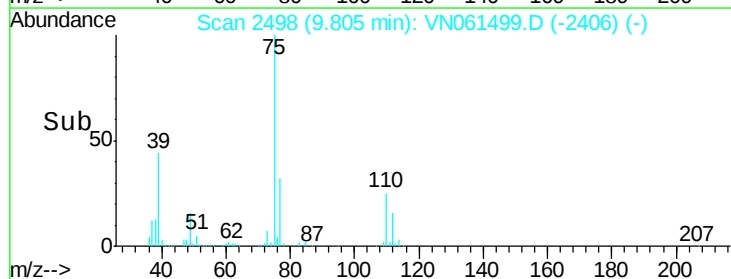
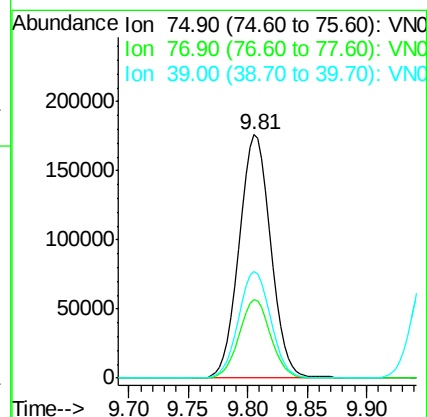
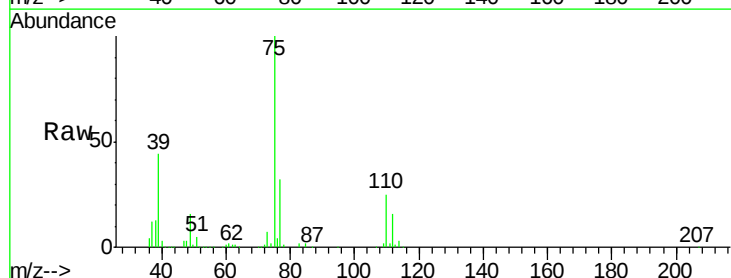
Tgt Ion: 75 Resp: 325434

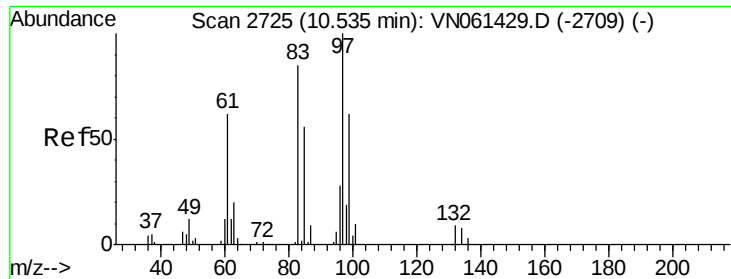
Ion Ratio Lower Upper

75 100

77 32.3 24.8 37.2

39 43.9 39.8 59.6

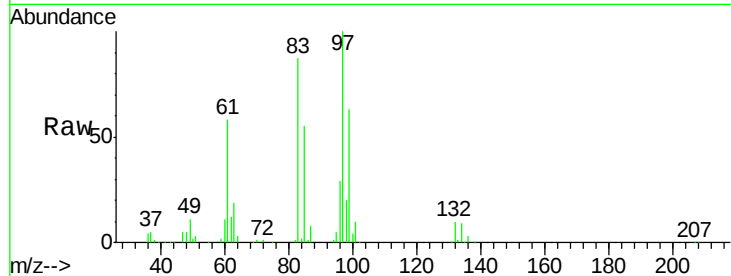




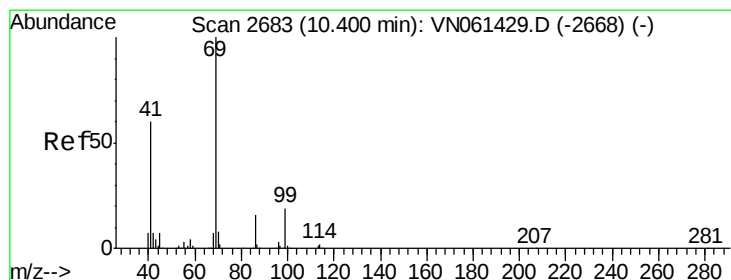
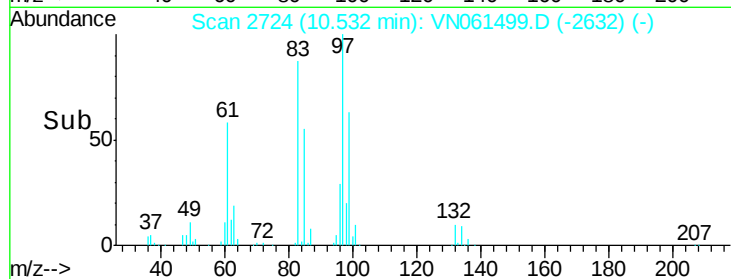
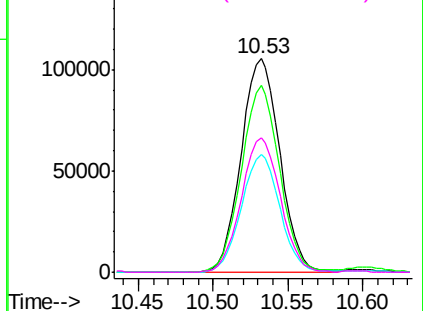
#55
 1,1,2-Trichloroethane
 Concen: 50.238 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	190724
Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.2	102.4
85	55.1	44.6	67.0
99	62.8	49.5	74.3

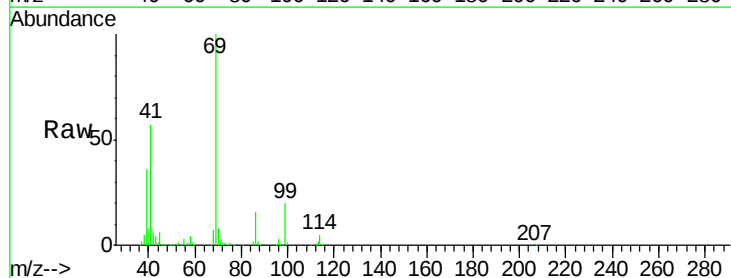


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

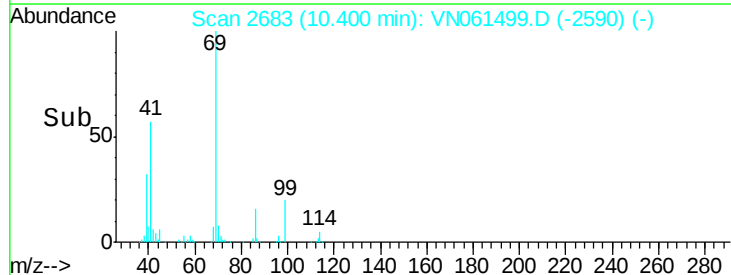
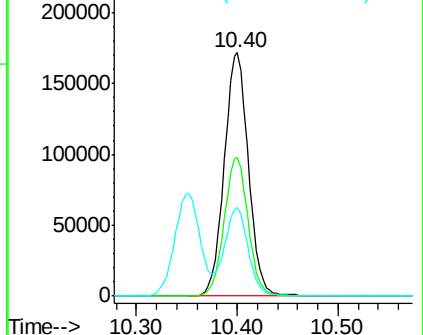


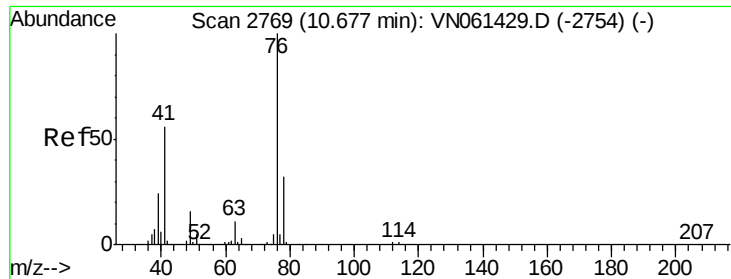
#56
 Ethyl methacrylate
 Concen: 48.507 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion:	69	Resp:	287902
Ion	Ratio	Lower	Upper
69	100		
41	55.9	48.3	72.5
39	35.9	30.2	45.2



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

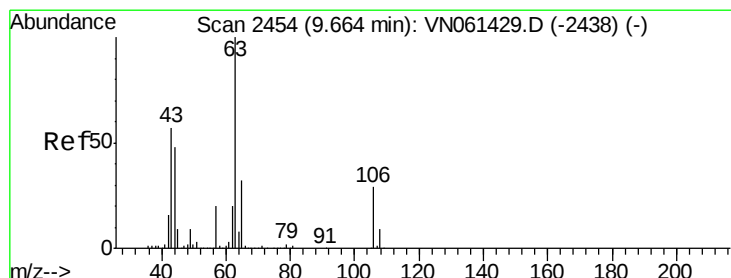
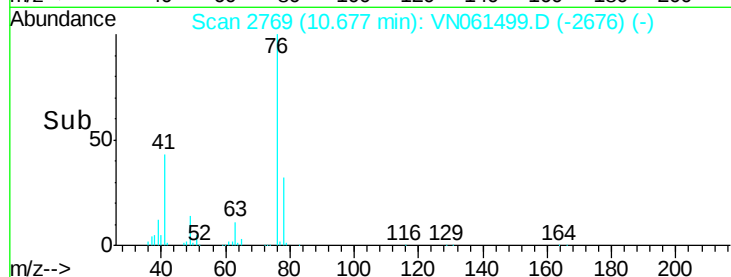
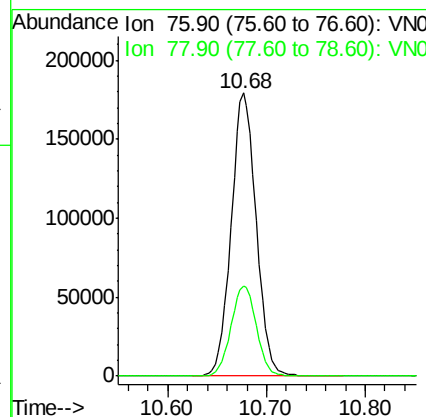
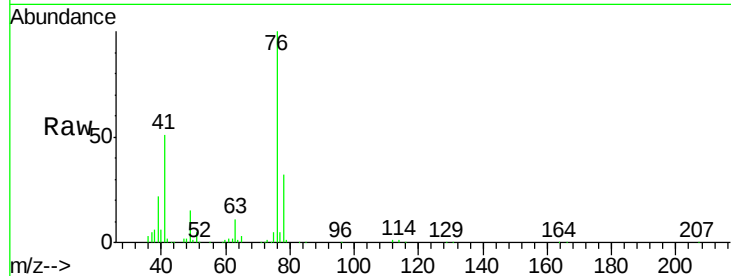




#57
 1,3-Dichloropropane
 Concen: 48.453 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

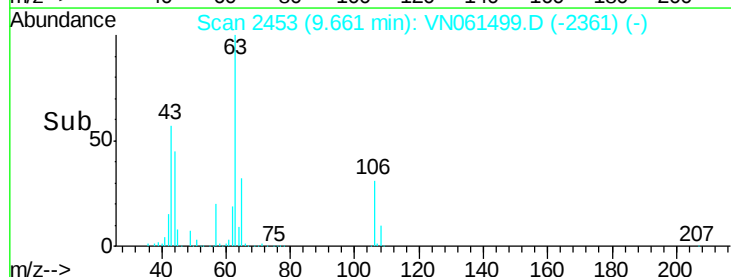
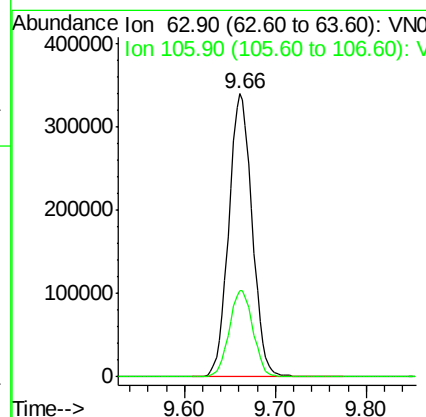
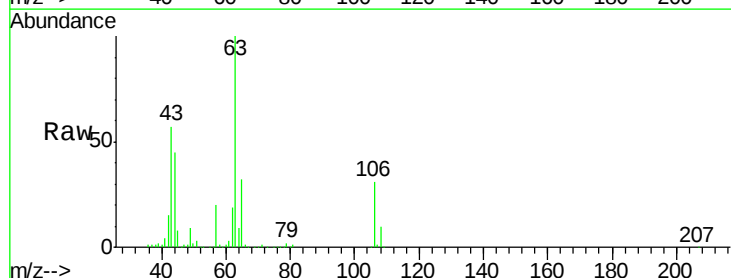
Instrument :
 MSVOA_N
 ClientSampled :

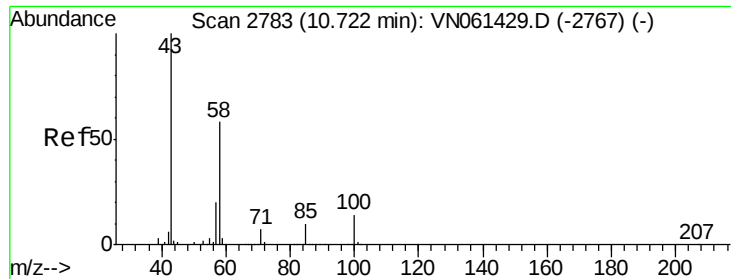
Tot Ion: 76 Resp: 317900
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.062 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion: 63 Resp: 607175
 Ion Ratio Lower Upper
 63 100
 106 31.0 22.7 34.1

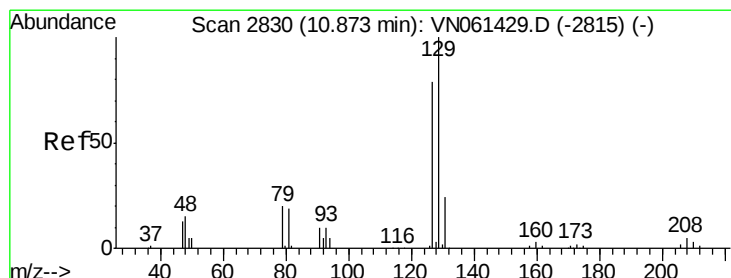
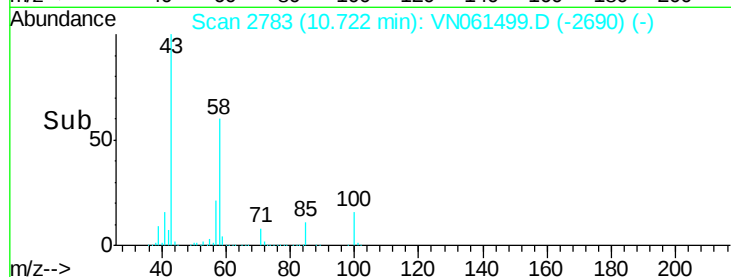
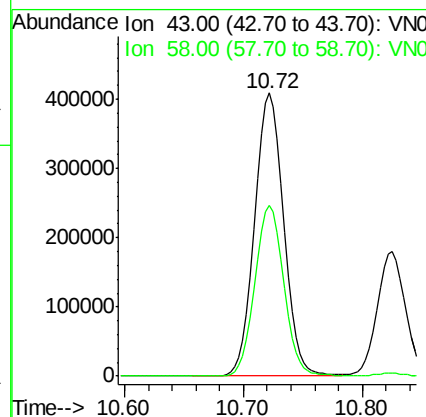
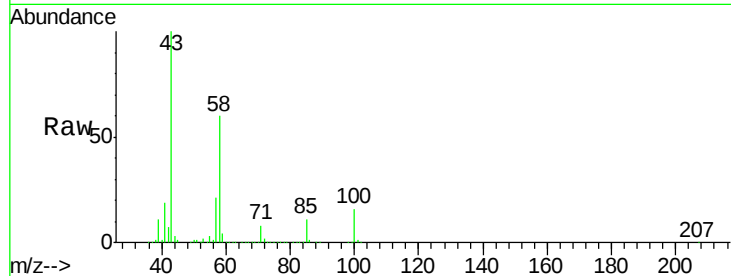




#59
2-Hexanone
Concen: 214.674 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

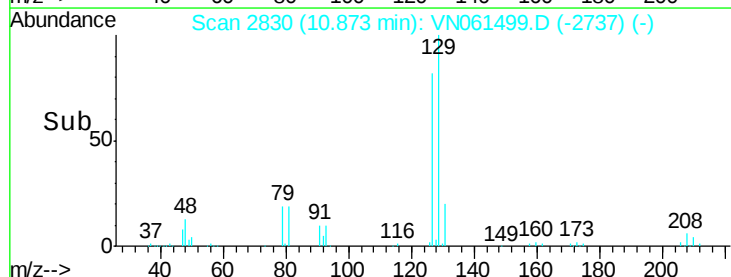
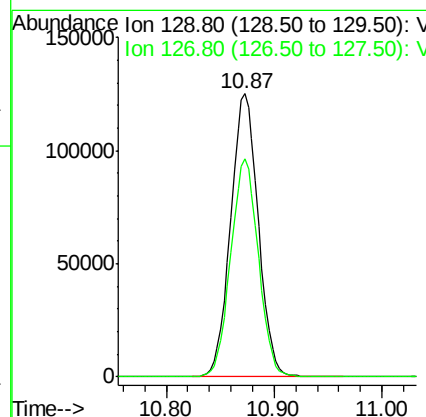
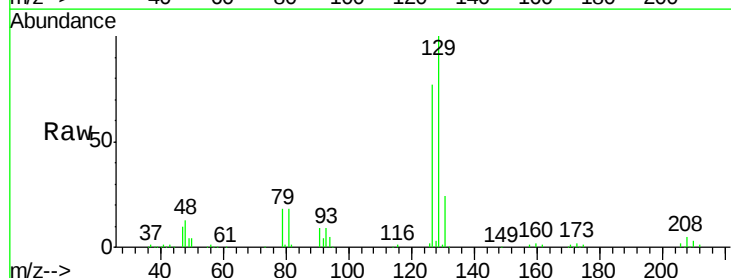
Instrument :
MSVOA_N
ClientSampled :

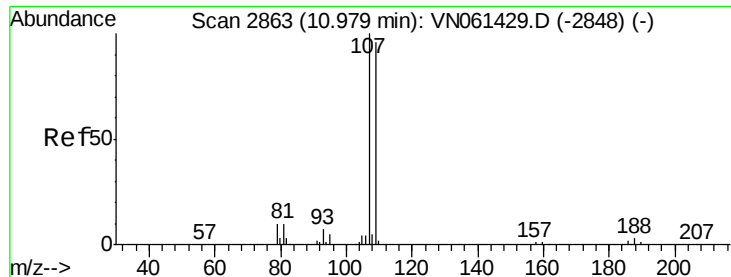
Tot Ion: 43 Resp: 694576
Ion Ratio Lower Upper
43 100
58 60.1 29.2 87.6



#60
Dibromochloromethane
Concen: 53.282 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion: 129 Resp: 223752
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3

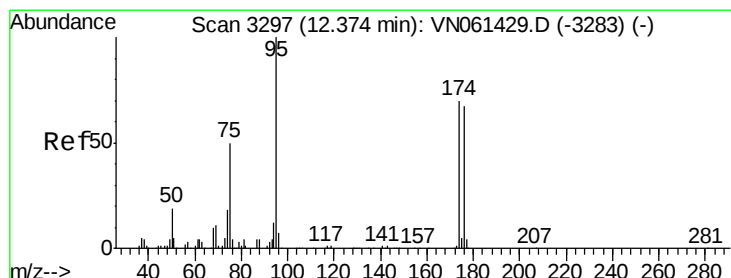
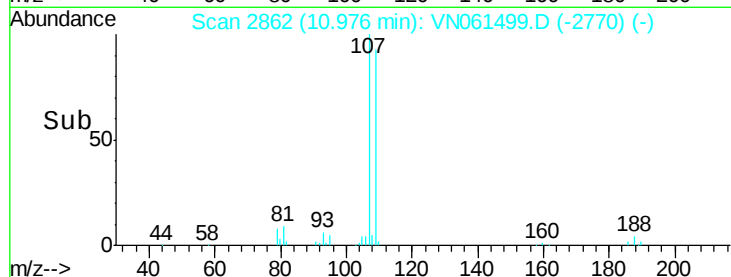
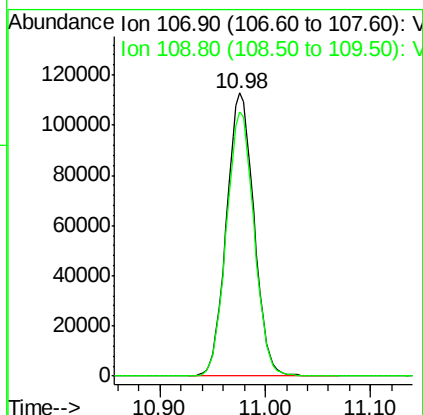
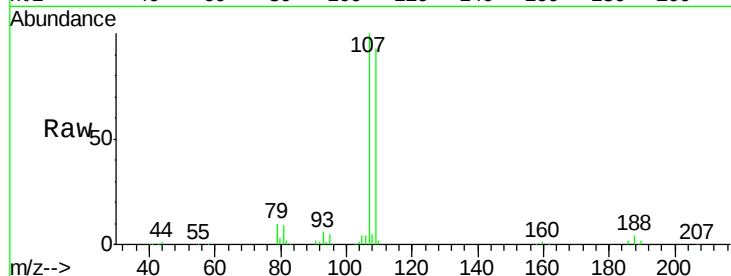




#61
 1,2-Dibromoethane
 Concen: 50.835 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

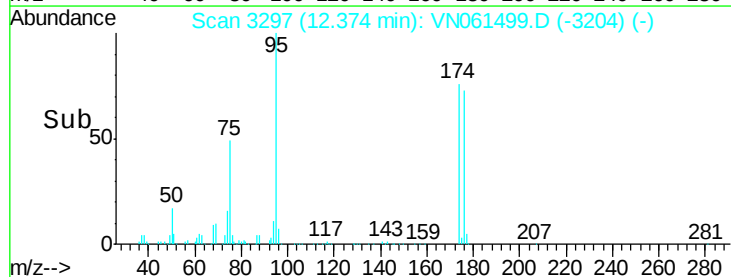
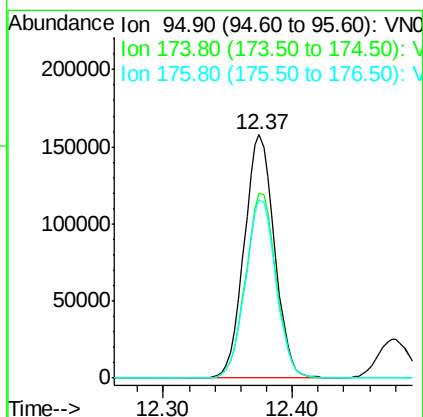
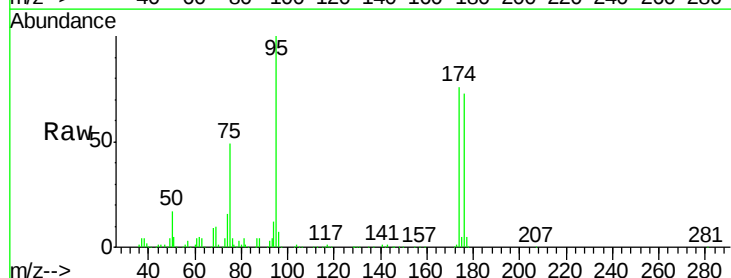
Instrument :
 MSVOA_N
 ClientSampleId :

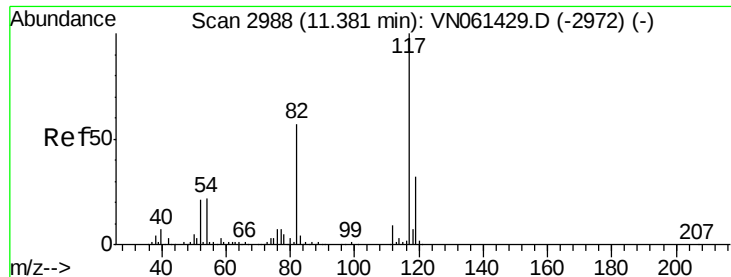
Tot Ion:107 Resp: 202917
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 51.046 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion: 95 Resp: 257215
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 141.2
 176 74.3 0.0 137.6

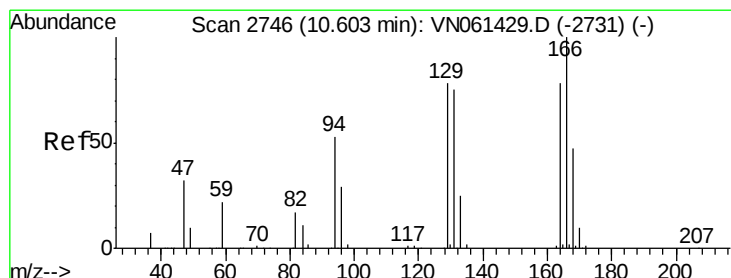
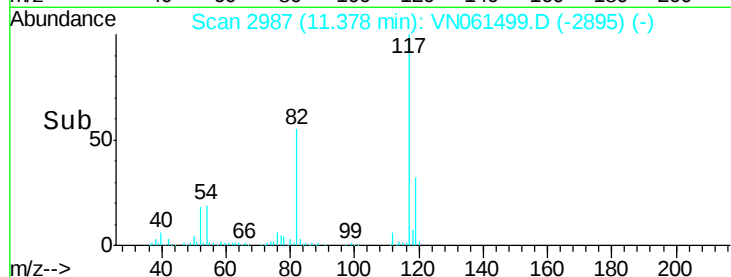
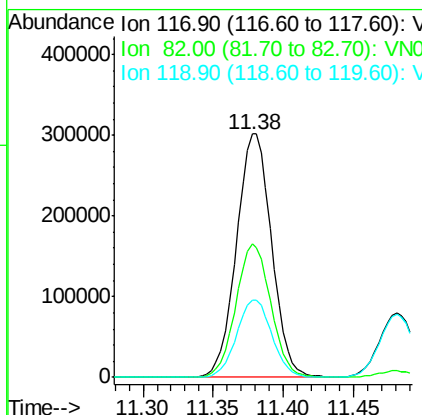
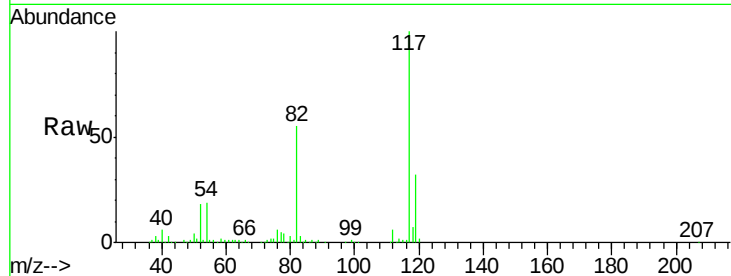




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

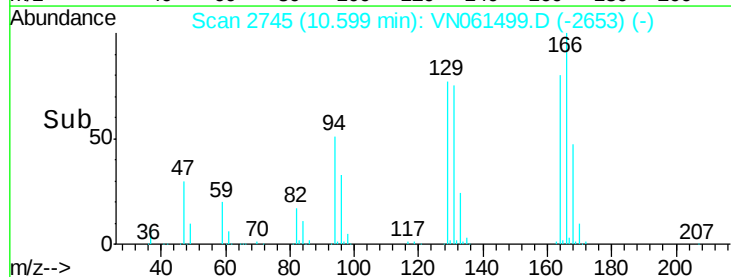
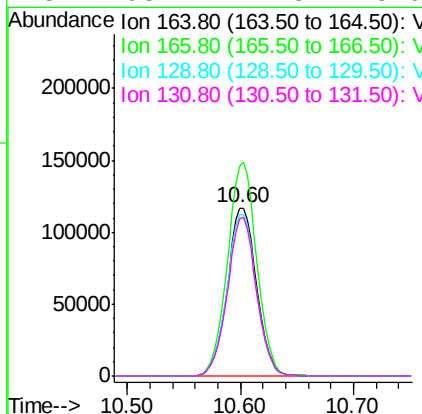
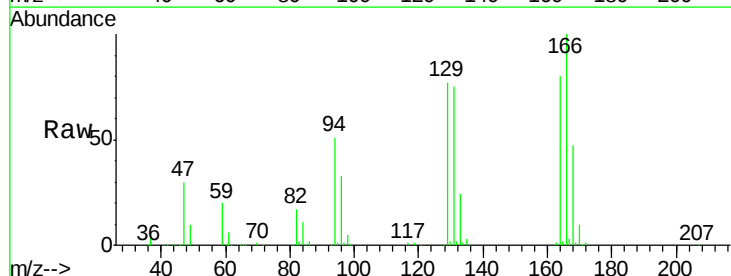
Instrument :
MSVOA_N
ClientSampleId :

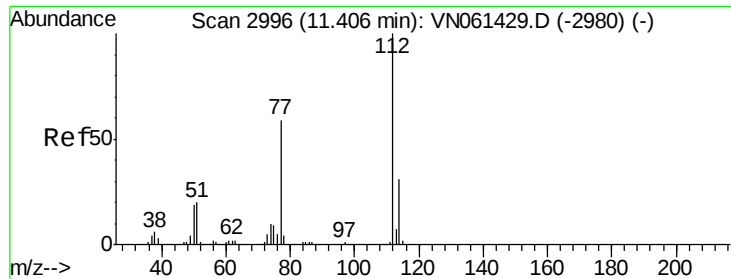
Tot Ion:117 Resp: 527322
Ion Ratio Lower Upper
117 100
82 54.7 45.2 67.8
119 31.8 25.3 37.9



#64
Tetrachloroethene
Concen: 51.544 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion:164 Resp: 210279
Ion Ratio Lower Upper
164 100
166 124.8 103.2 154.8
129 95.9 81.0 121.4
131 93.4 77.3 115.9





#65

Chlorobenzene

Concen: 50.786 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

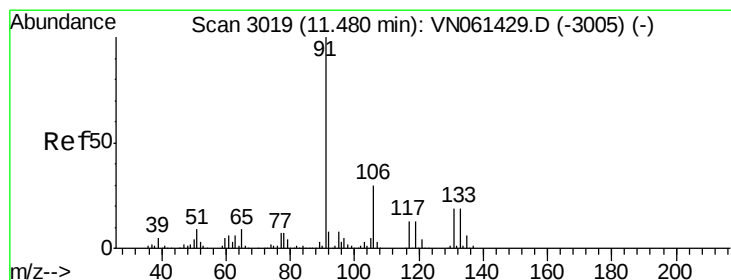
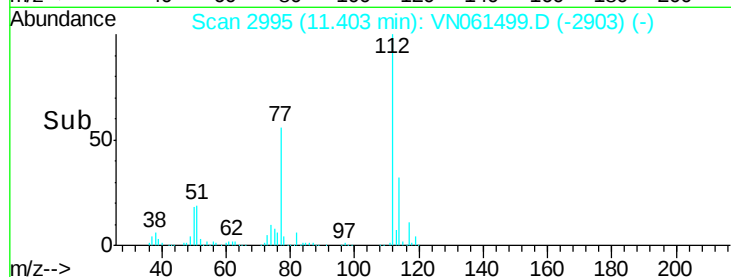
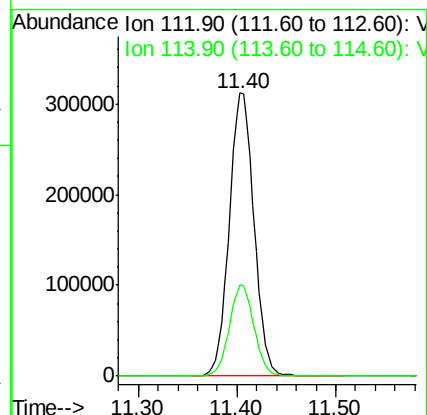
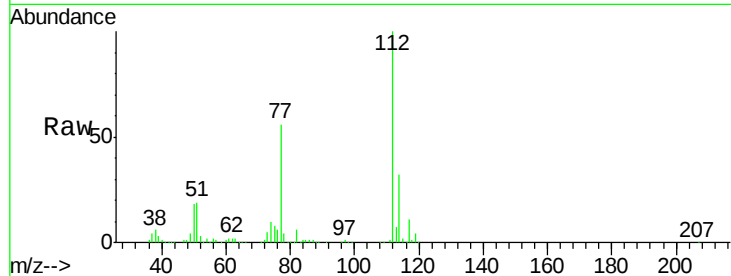
ClientSampleId :

Tot Ion:112 Resp: 546115

Ion Ratio Lower Upper

112 100

114 32.1 25.0 37.6



#66

1,1,1,2-Tetrachloroethane

Concen: 53.124 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

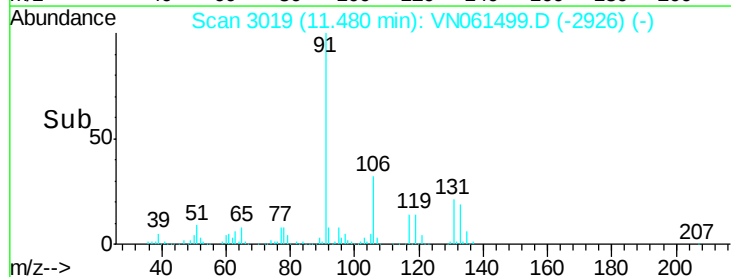
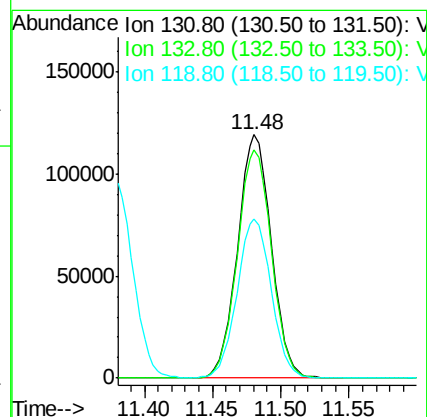
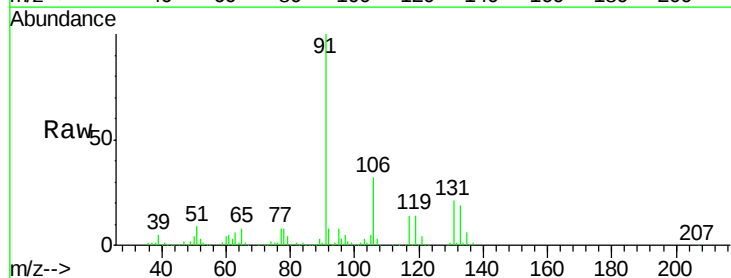
Tgt Ion:131 Resp: 204799

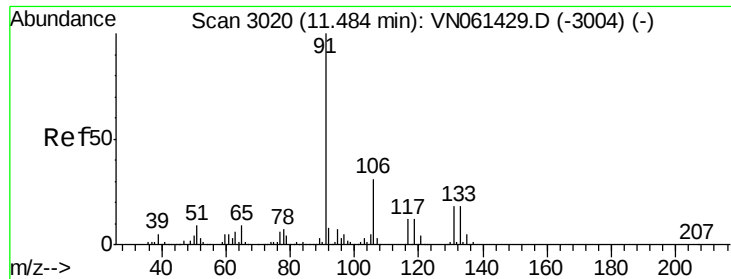
Ion Ratio Lower Upper

131 100

133 95.3 48.7 146.1

119 66.3 33.8 101.3

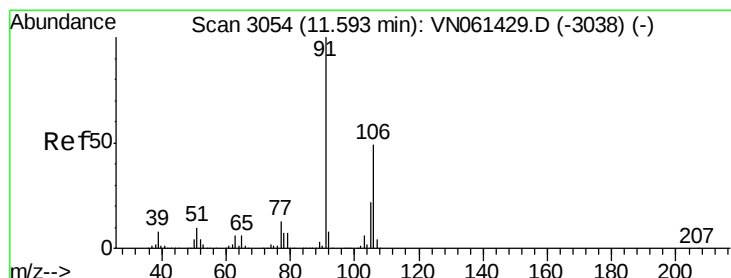
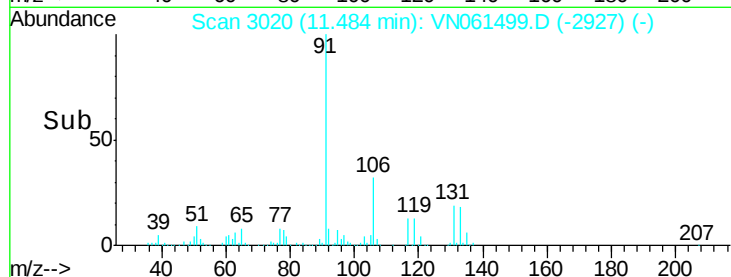
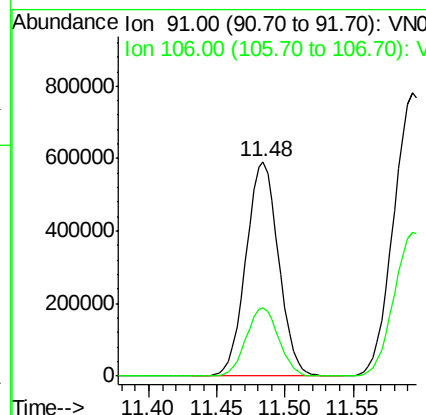
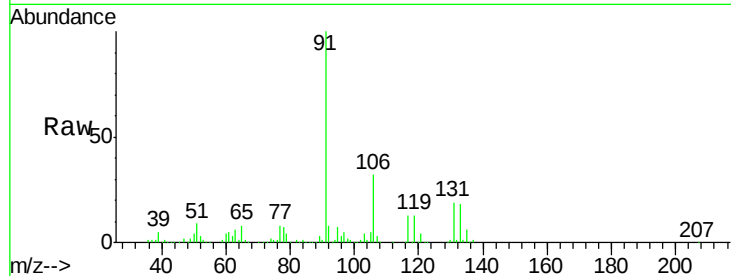




#67
Ethyl Benzene
Concen: 50.050 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

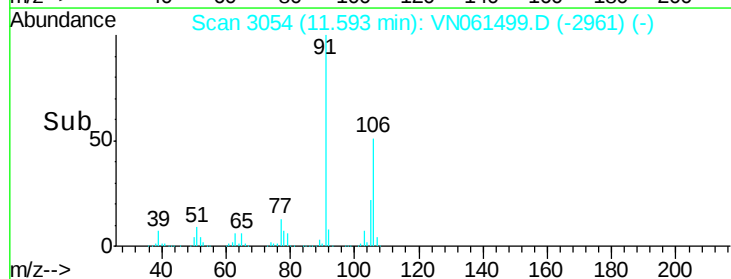
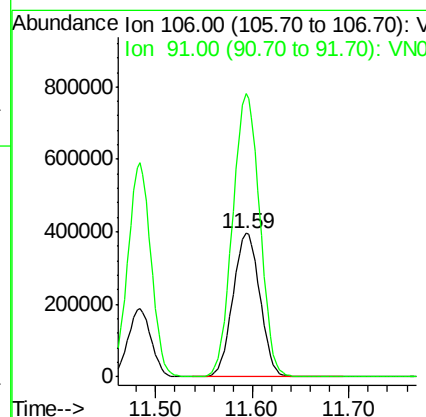
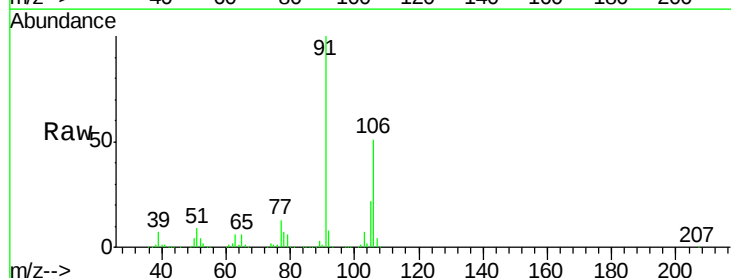
Instrument :
MSVOA_N
ClientSampled :

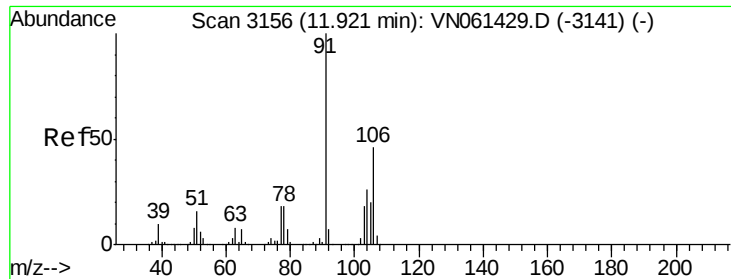
Tot Ion: 91 Resp: 982434
Ion Ratio Lower Upper
91 100
106 32.0 24.6 36.8



#68
m/p-Xylenes
Concen: 102.960 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion: 106 Resp: 767116
Ion Ratio Lower Upper
106 100
91 198.4 163.0 244.6

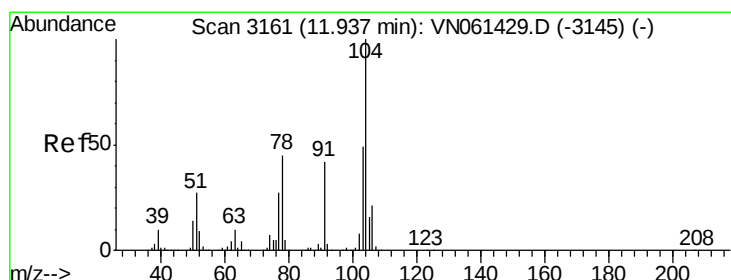
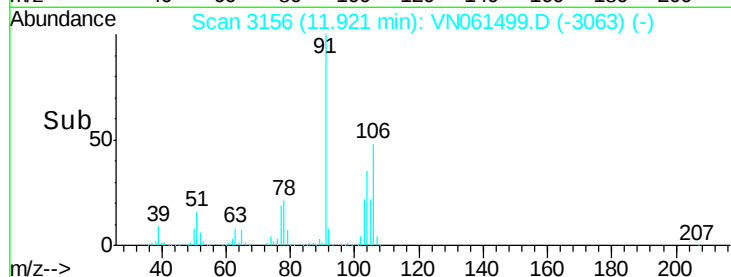
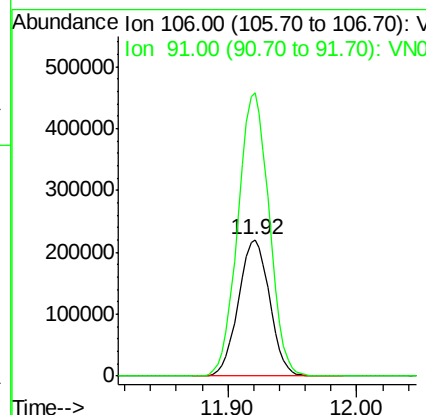
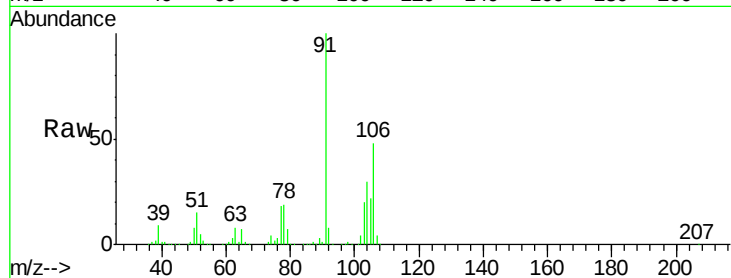




#69
o-Xylene
Concen: 51.470 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

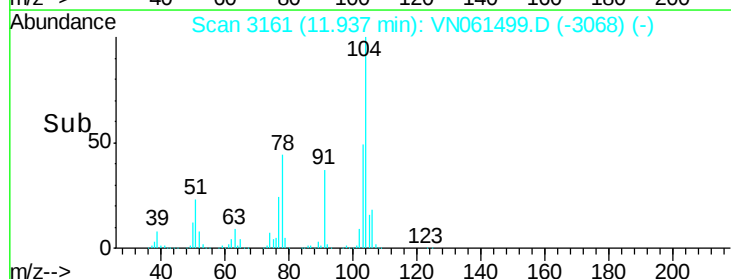
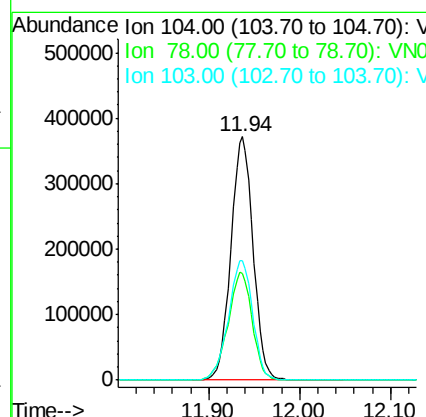
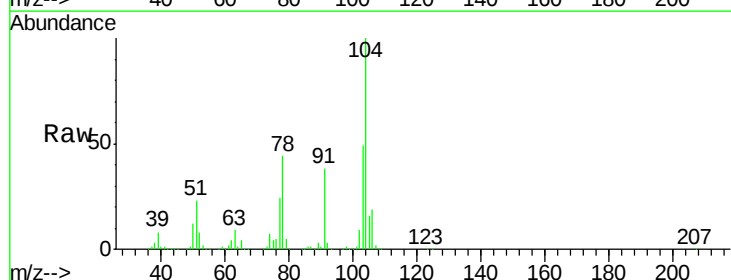
Instrument :
MSVOA_N
ClientSampled :

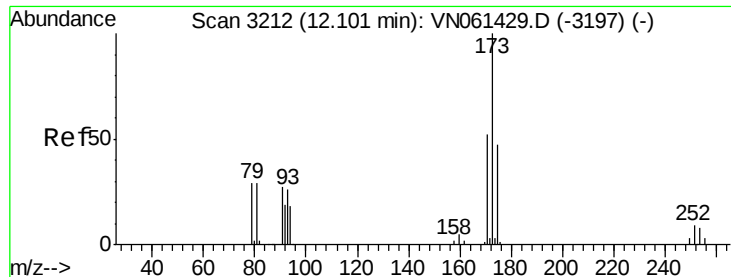
Tot Ion:106 Resp: 371103
Ion Ratio Lower Upper
106 100
91 208.1 107.9 323.7



#70
Styrene
Concen: 52.777 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion:104 Resp: 630136
Ion Ratio Lower Upper
104 100
78 48.5 40.7 61.1
103 53.8 43.0 64.4

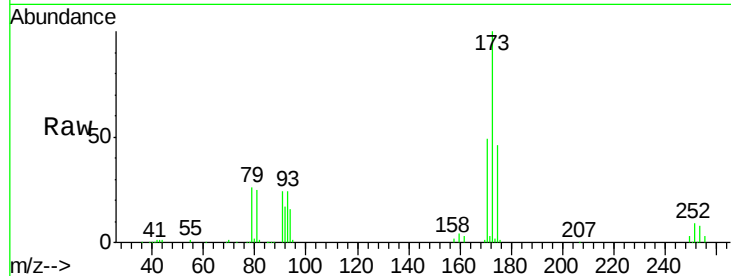




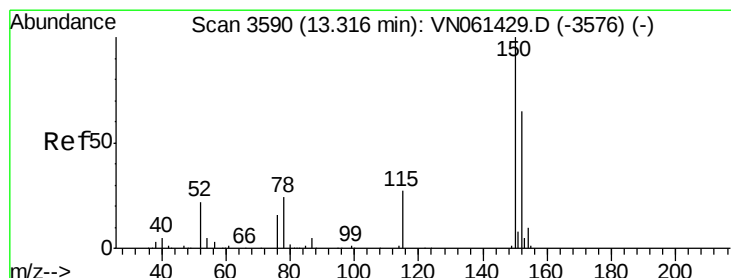
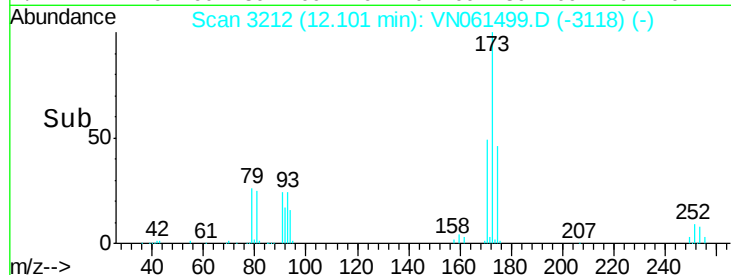
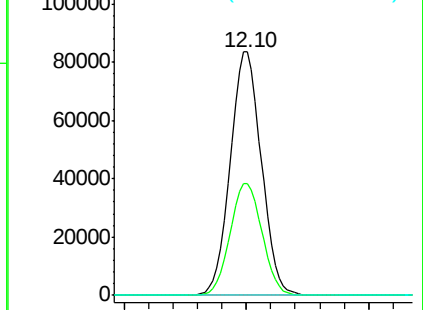
#71
Bromoform
Concen: 49.332 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 147803
Ion Ratio Lower Upper
173 100
175 47.1 23.9 71.8
254 0.0 0.0 0.0

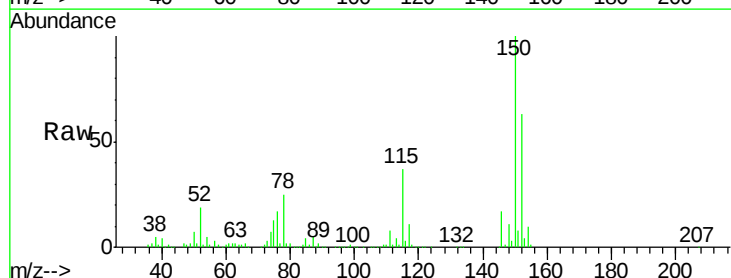


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

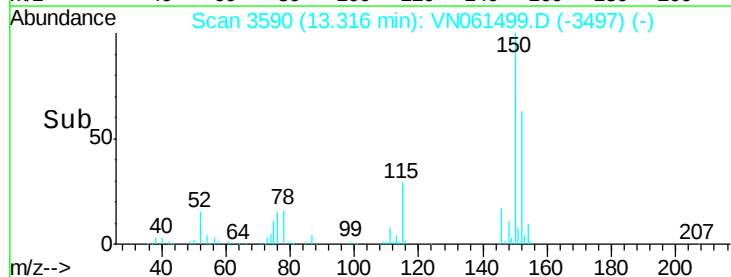
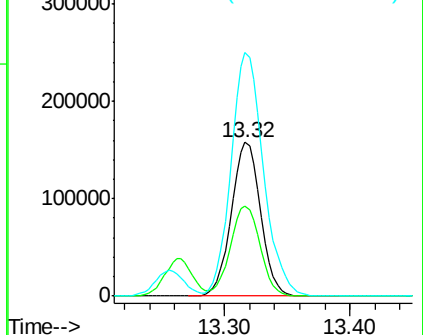


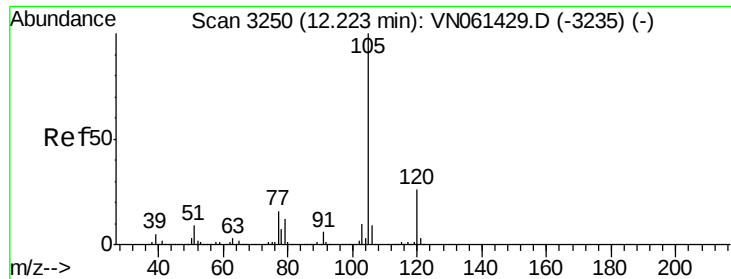
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion:152 Resp: 255083
Ion Ratio Lower Upper
152 100
115 59.8 30.9 92.5
150 175.5 0.0 349.2



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

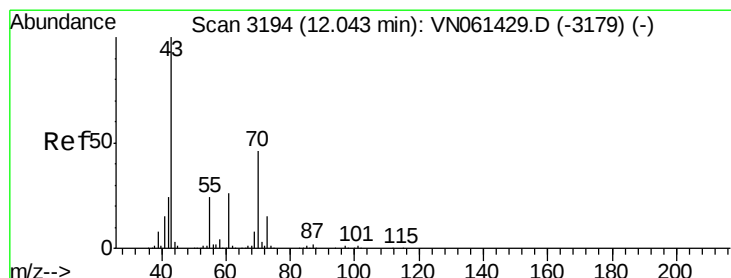
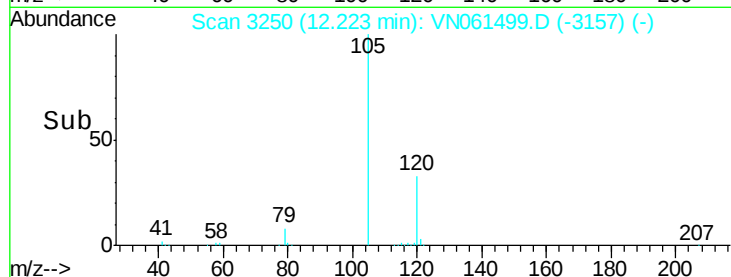
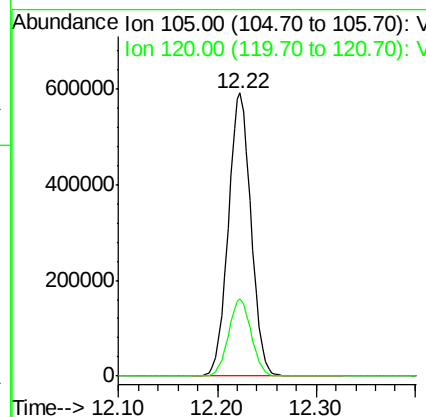
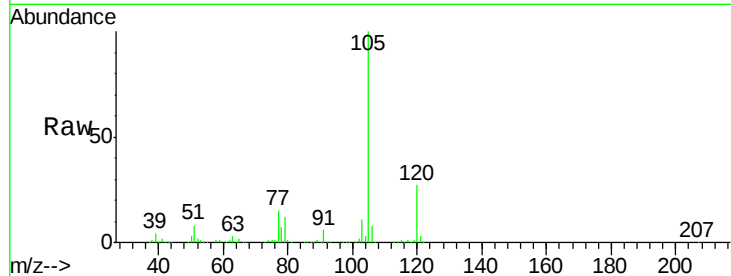




#73
Isopropylbenzene
Concen: 46.579 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

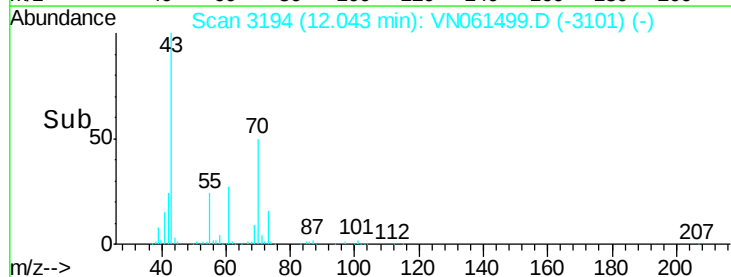
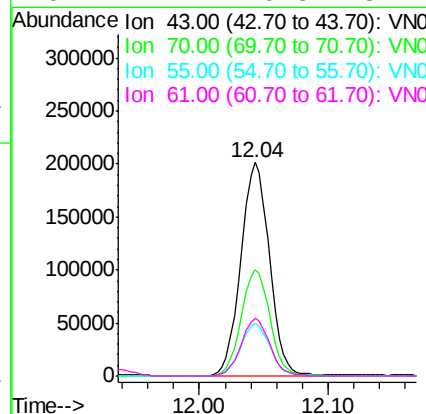
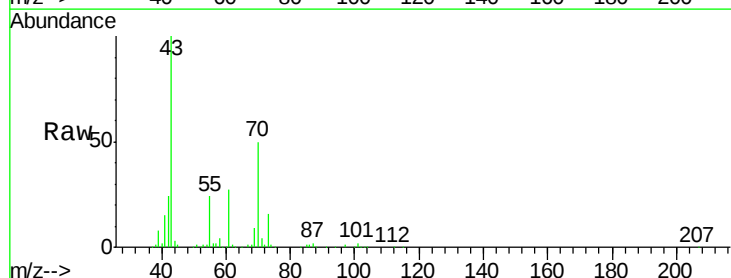
Instrument :
MSVOA_N
ClientSampleId :

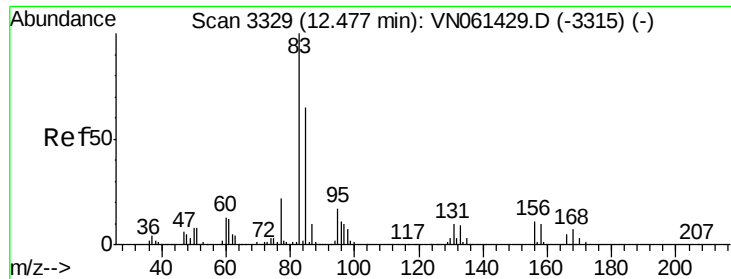
Tot Ion:105 Resp: 953843
Ion Ratio Lower Upper
105 100
120 27.3 13.0 39.0



#74
N-ethyl acetate
Concen: 41.517 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion: 43 Resp: 311191
Ion Ratio Lower Upper
43 100
70 49.8 37.0 55.4
55 25.2 19.5 29.3
61 27.1 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 44.844 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

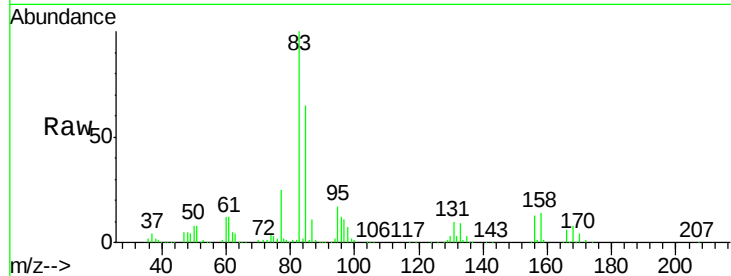
Tot Ion: 83 Resp: 252651

Ion Ratio Lower Upper

83 100

131 10.1 4.8 14.4

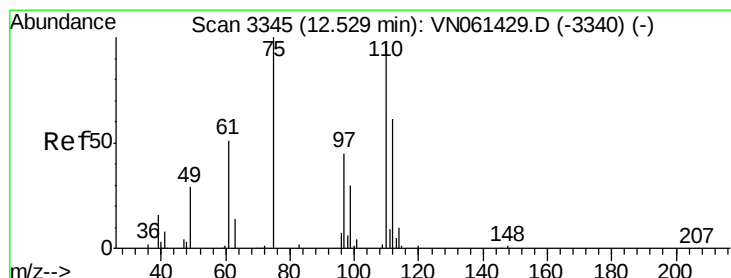
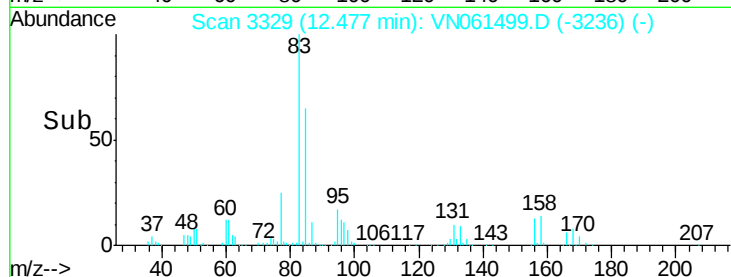
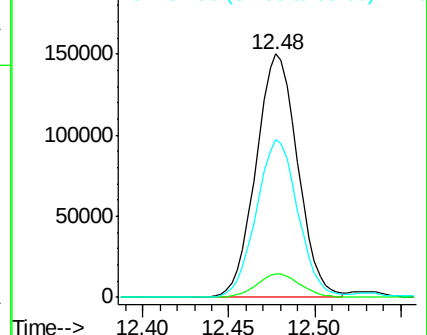
85 64.8 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN061429.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061429.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061429.D (-3315) (-)



#76

1,2,3-Trichloropropane

Concen: 61.443 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061499.D

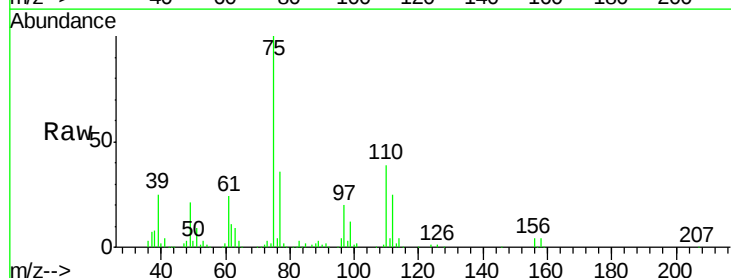
Acq: 20 May 2020 14:17

Tgt Ion: 75 Resp: 336305

Ion Ratio Lower Upper

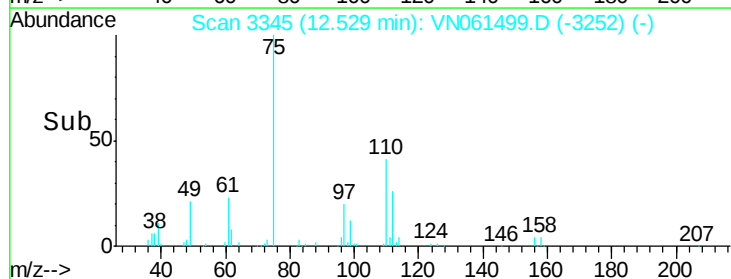
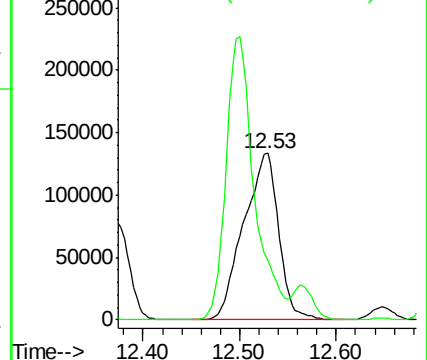
75 100

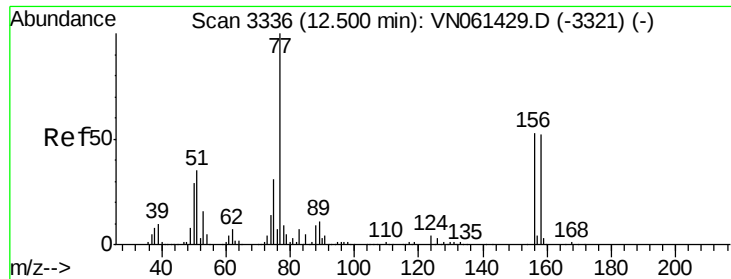
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061429.D (-3340) (-)





#77

Bromobenzene

Concen: 51.650 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampled :

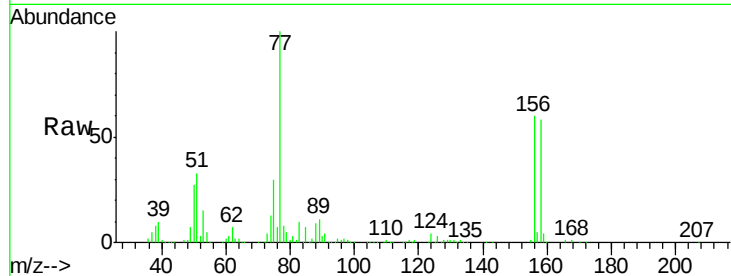
Tot Ion:156 Resp: 229540

Ion Ratio Lower Upper

156 100

77 200.5 112.3 336.9

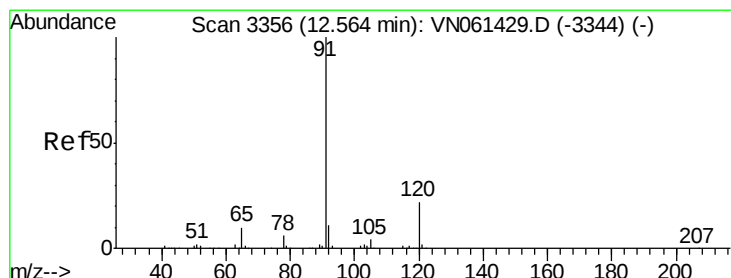
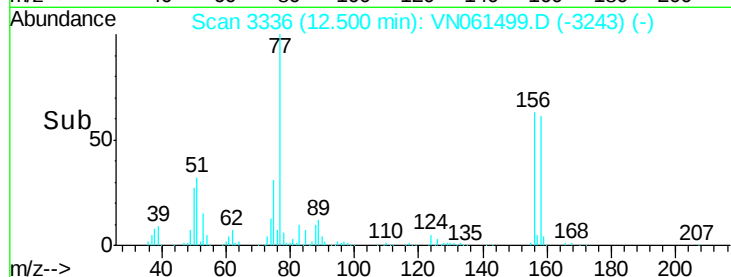
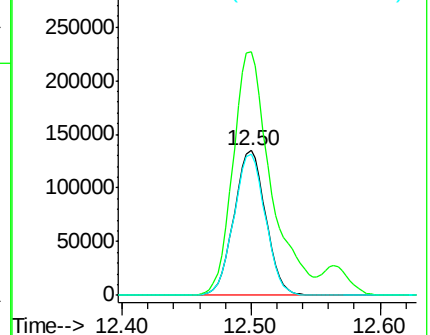
158 97.6 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.593 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061499.D

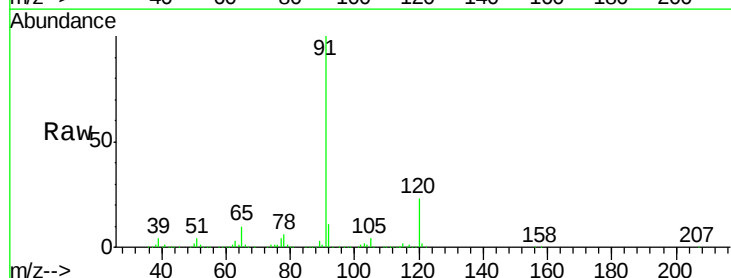
Acq: 20 May 2020 14:17

Tgt Ion: 91 Resp: 1087120

Ion Ratio Lower Upper

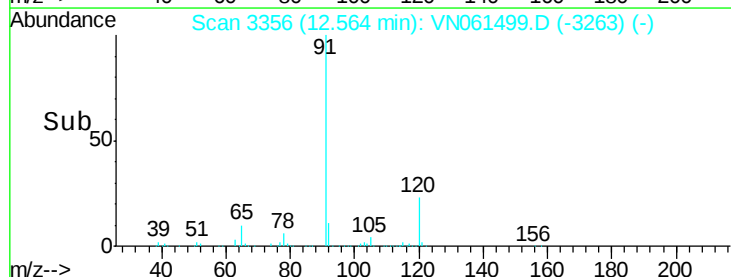
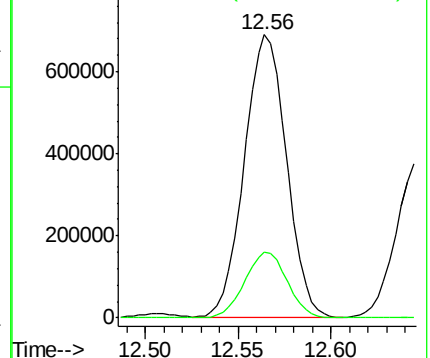
91 100

120 23.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

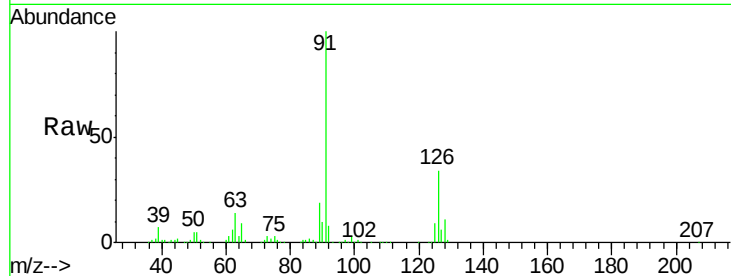




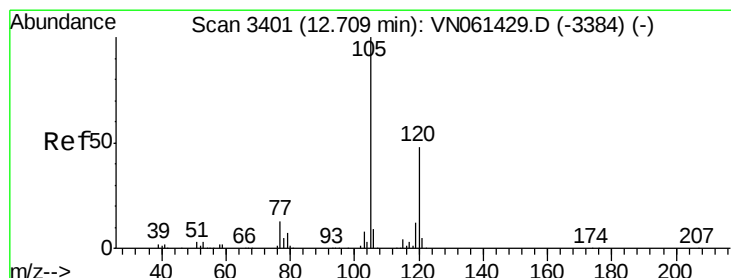
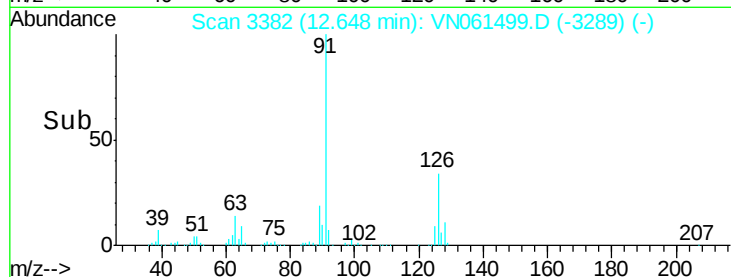
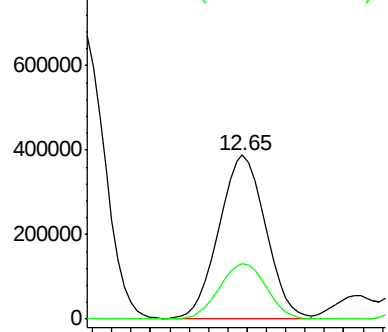
#79
 2-Chlorotoluene
 Concen: 47.010 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 91 Resp: 648334
 Ion Ratio Lower Upper
 91 100
 126 34.5 16.3 48.9

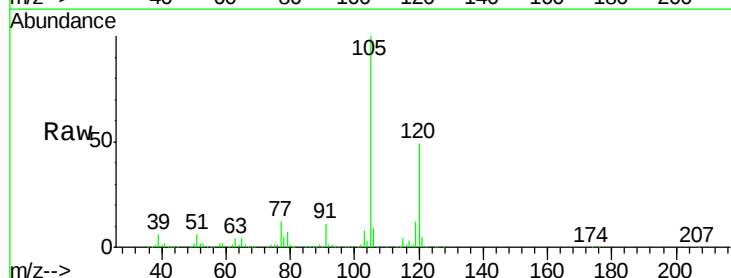


Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3370) (-)
 Ion 125.90 (125.60 to 126.60): VN061429.D (-3370) (-)

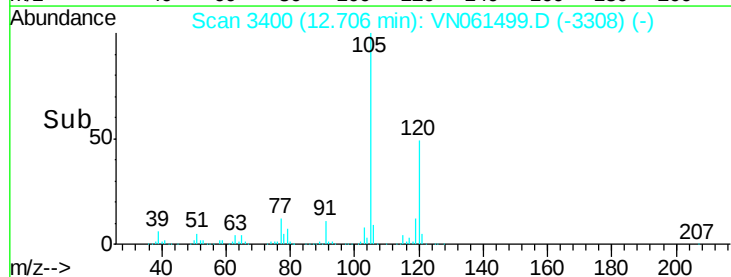
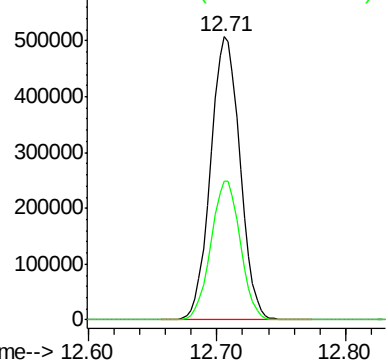


#80
 1,3,5-Trimethylbenzene
 Concen: 47.783 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion: 105 Resp: 801194
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061429.D (-3384) (-)
 Ion 120.00 (119.70 to 120.70): VN061429.D (-3384) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 42.843 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampled :

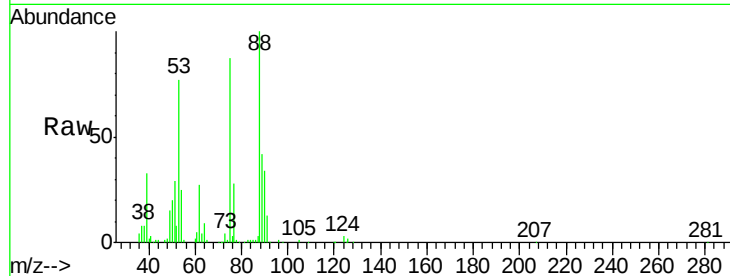
Tot Ion: 75 Resp: 88398

Ion Ratio Lower Upper

75 100

53 90.4 75.2 112.8

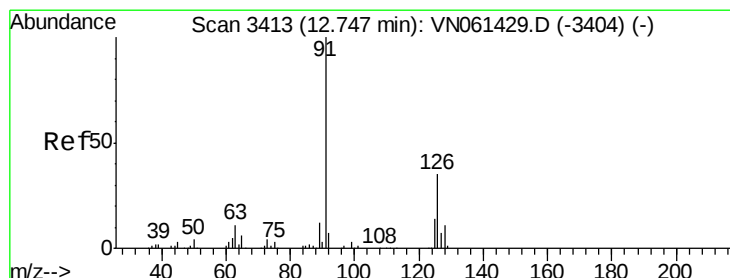
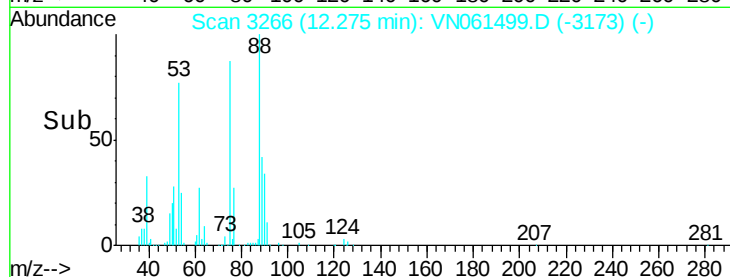
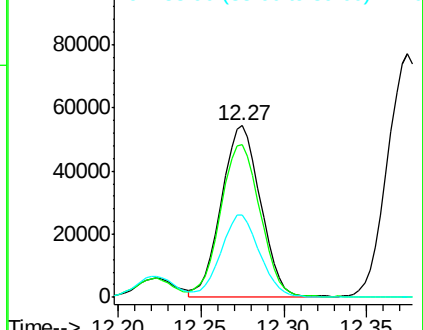
89 48.1 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.032 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061499.D

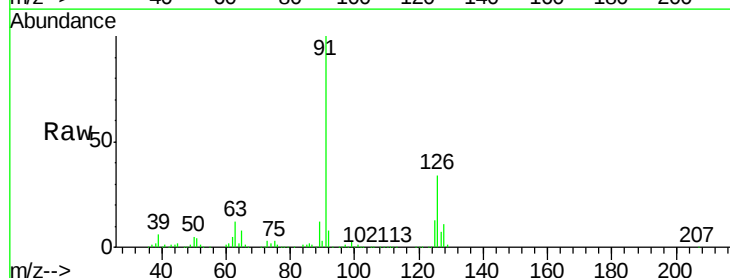
Acq: 20 May 2020 14:17

Tgt Ion: 91 Resp: 685914

Ion Ratio Lower Upper

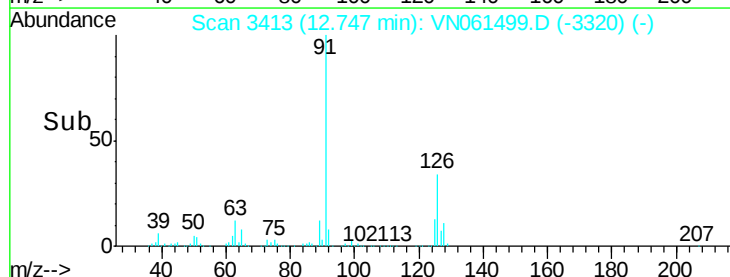
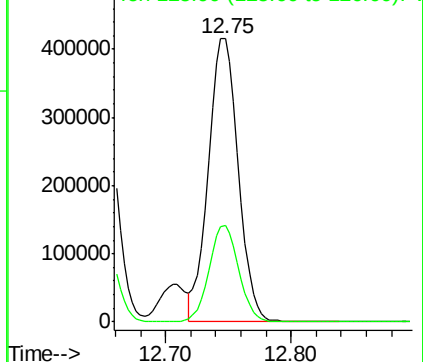
91 100

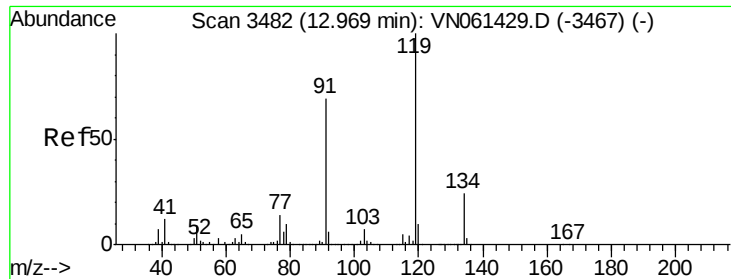
126 33.7 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

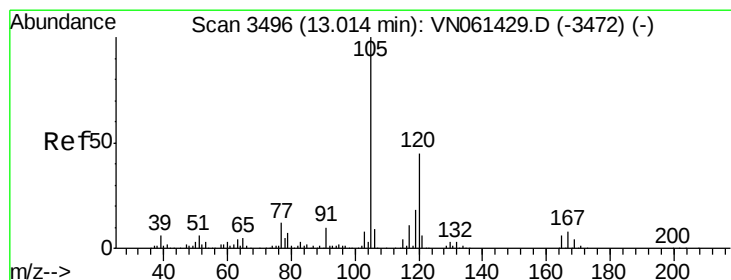
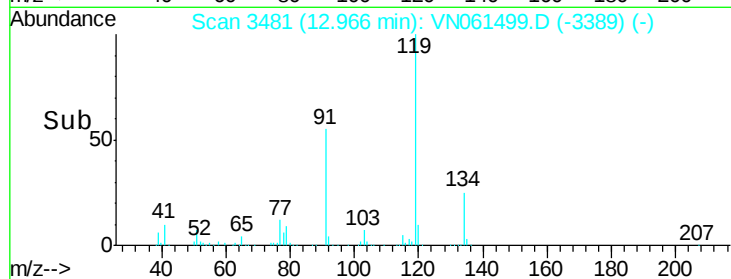
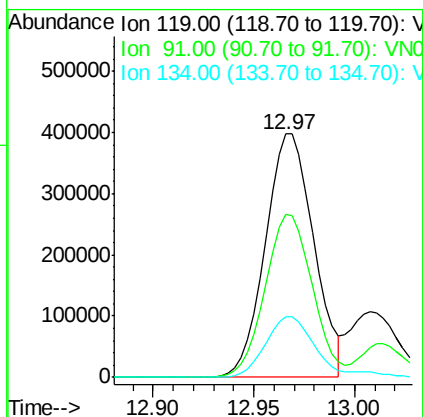
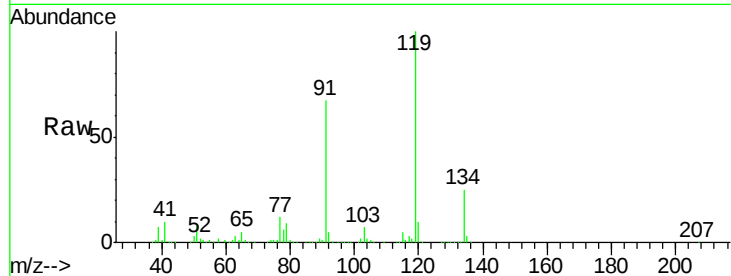




#83
 tert-Butylbenzene
 Concen: 46.097 ug/l
 RT: 12.97 min Scan# 3481
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

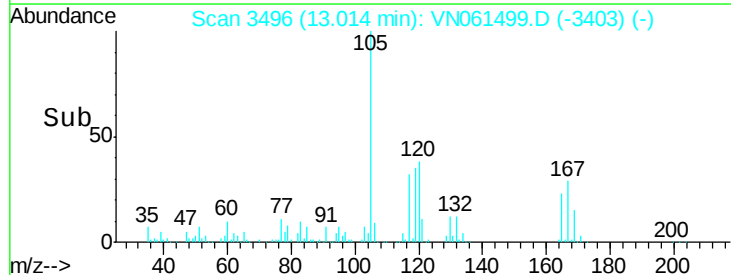
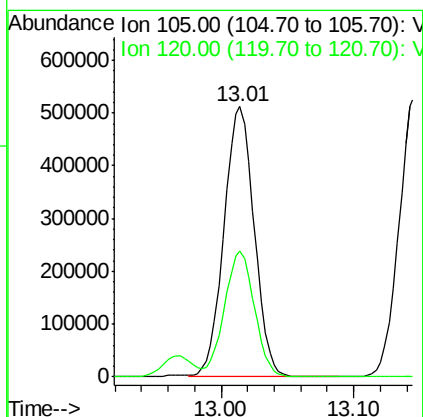
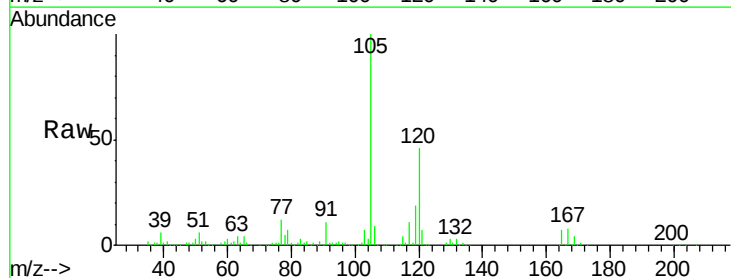
Instrument :
 MSVOA_N
 ClientSampled :

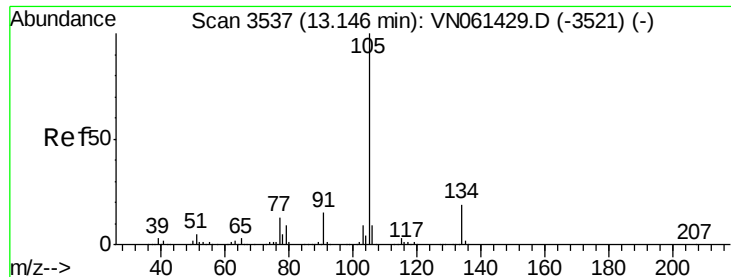
Tot Ion:119 Resp: 662057
 Ion Ratio Lower Upper
 119 100
 91 65.2 33.7 101.0
 134 26.4 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 48.169 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion:105 Resp: 808284
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.4 67.3





#85

sec-Butylbenzene

Concen: 43.884 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

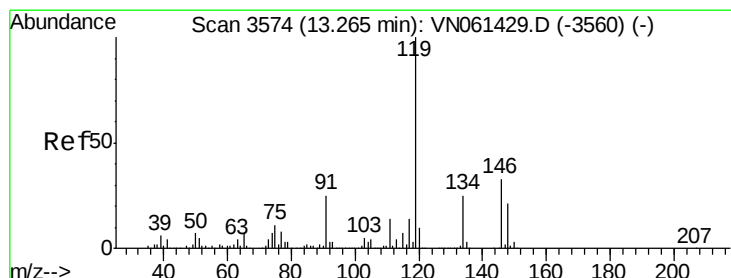
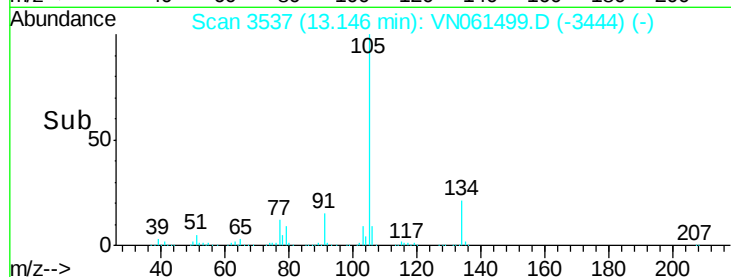
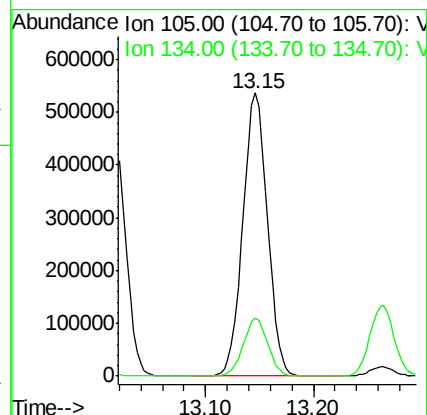
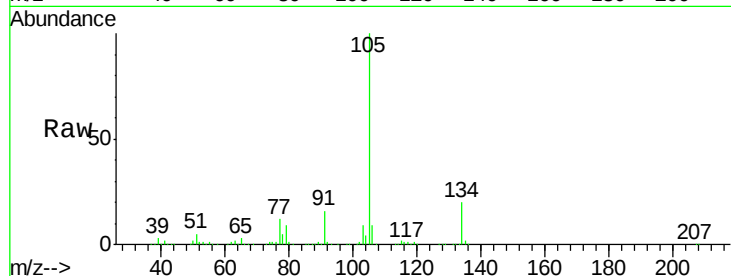
ClientSampleId :

Tot Ion:105 Resp: 852268

Ion Ratio Lower Upper

105 100

134 20.5 9.8 29.5



#86

p-Isopropyltoluene

Concen: 45.994 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

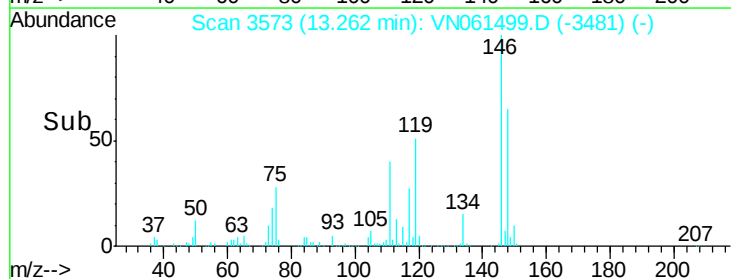
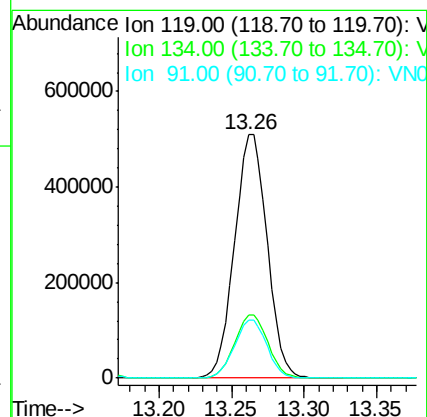
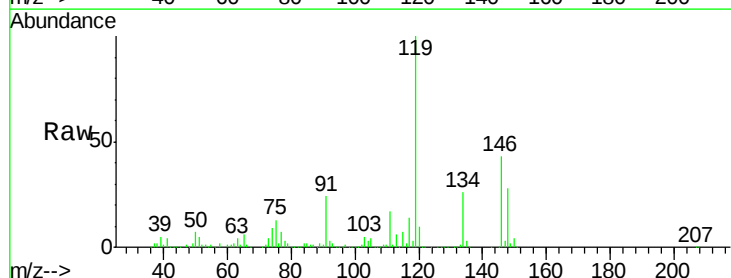
Tgt Ion:119 Resp: 793190

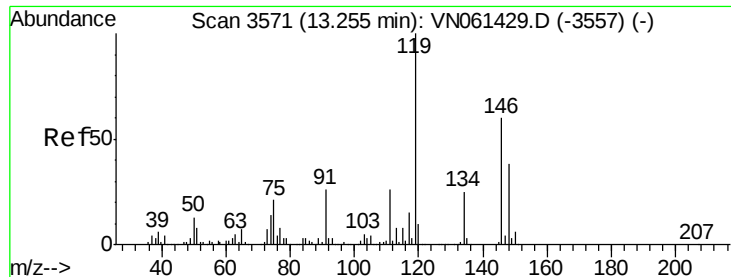
Ion Ratio Lower Upper

119 100

134 26.6 12.7 38.1

91 23.7 12.6 37.6

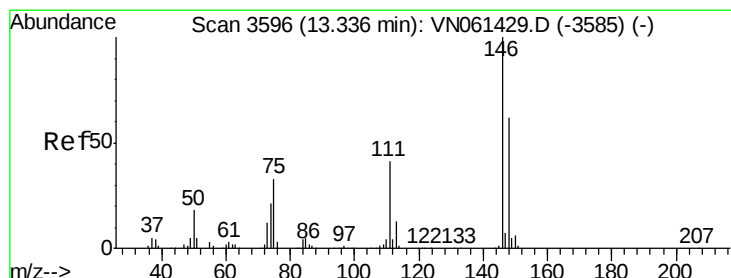
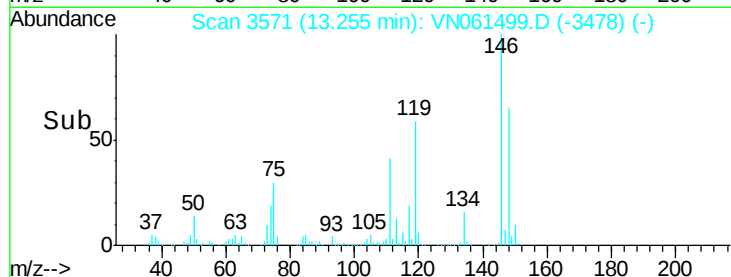
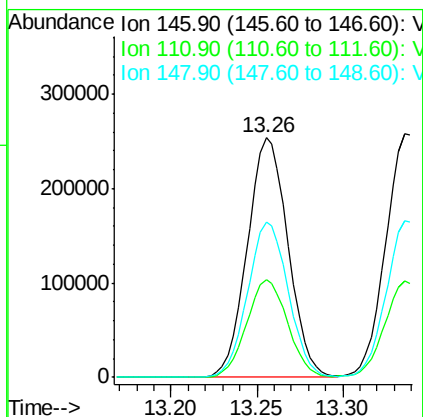
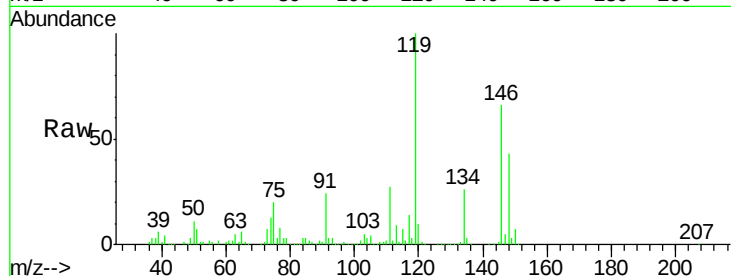




#87
 1,3-Dichlorobenzene
 Concen: 51.242 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

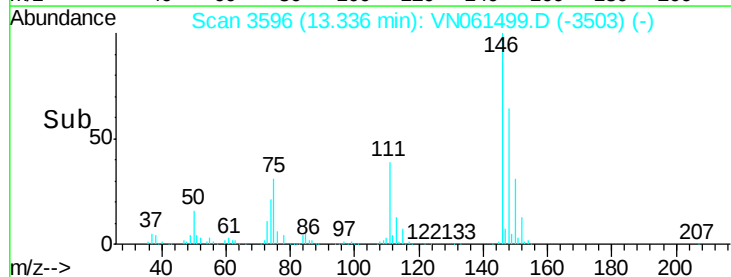
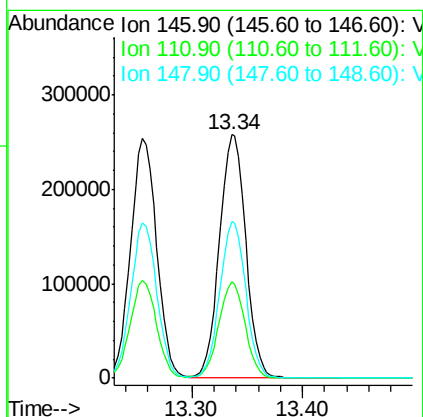
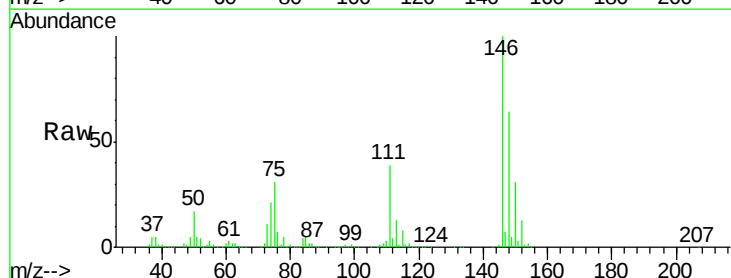
Instrument :
 MSVOA_N
 ClientSampleId :

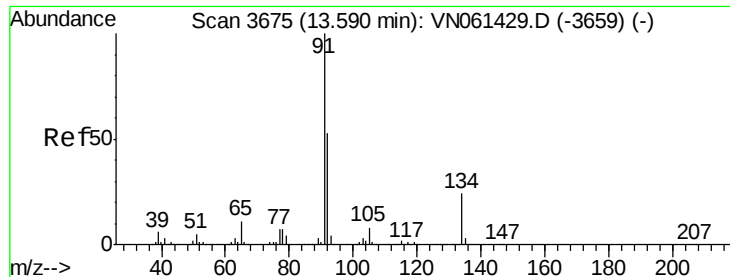
Tot Ion:146 Resp: 416774
 Ion Ratio Lower Upper
 146 100
 111 40.9 21.5 64.5
 148 64.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 52.441 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion:146 Resp: 427152
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.8 62.5
 148 63.6 31.6 94.8





#89

n-Butylbenzene

Concen: 42.536 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampled :

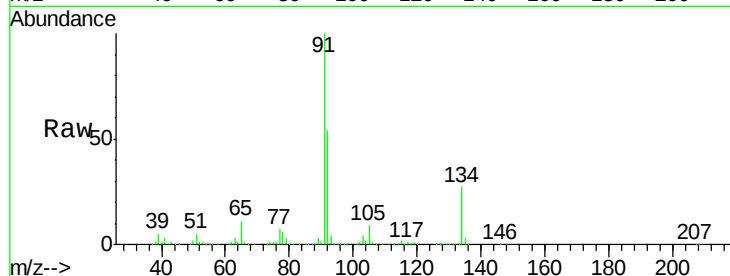
Tot Ion: 91 Resp: 666419

Ion Ratio Lower Upper

91 100

92 53.8 26.8 80.3

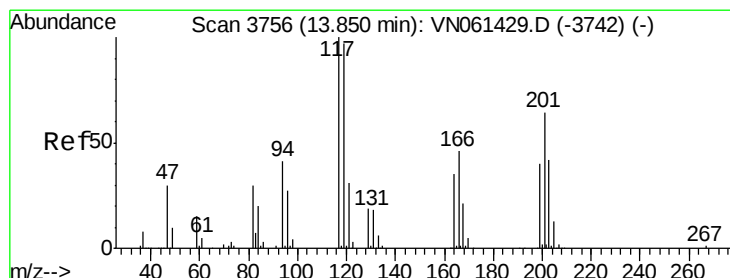
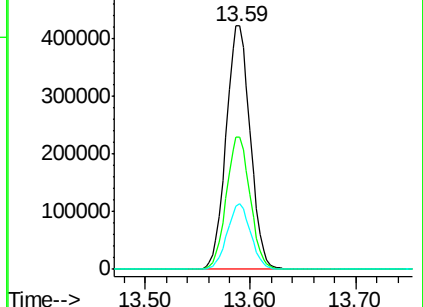
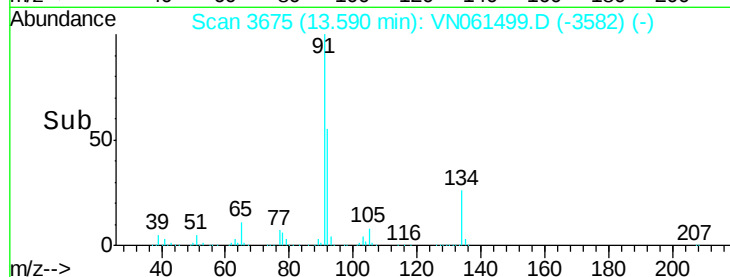
134 26.4 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3659) (-)

Ion 92.00 (91.70 to 92.70): VN061429.D (-3659) (-)

Ion 134.00 (133.70 to 134.70): VN061429.D (-3659) (-)



#90

Hexachloroethane

Concen: 46.831 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061499.D

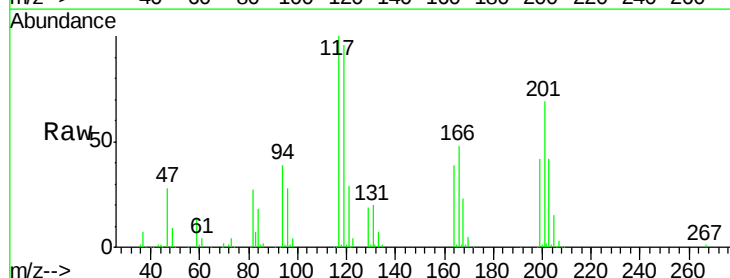
Acq: 20 May 2020 14:17

Tgt Ion: 117 Resp: 109453

Ion Ratio Lower Upper

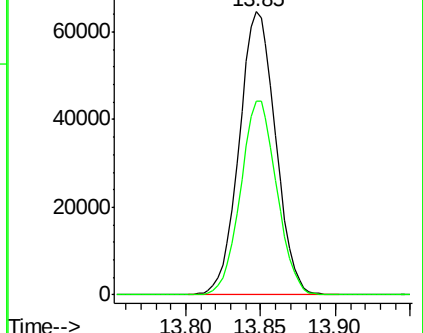
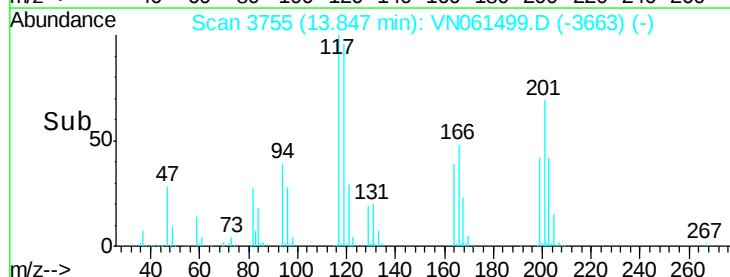
117 100

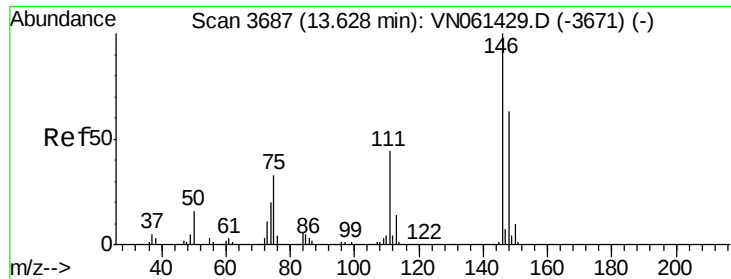
201 68.0 32.9 98.7



Abundance Ion 116.80 (116.50 to 117.50): VN061429.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061429.D (-3742) (-)





#91

1,2-Dichlorobenzene

Concen: 51.547 ug/l

RT: 13.63 min Scan# 3686

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

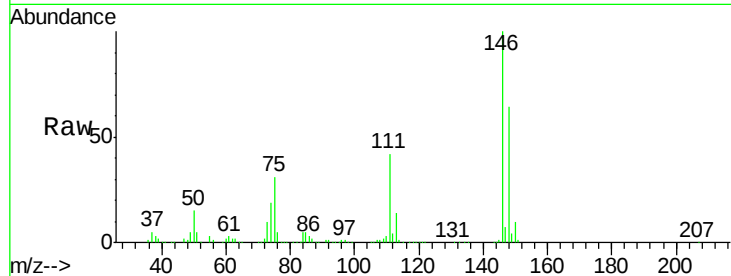
Tot Ion:146 Resp: 402169

Ion Ratio Lower Upper

146 100

111 42.5 21.9 65.7

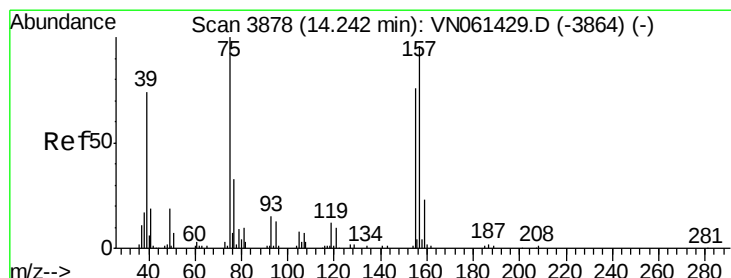
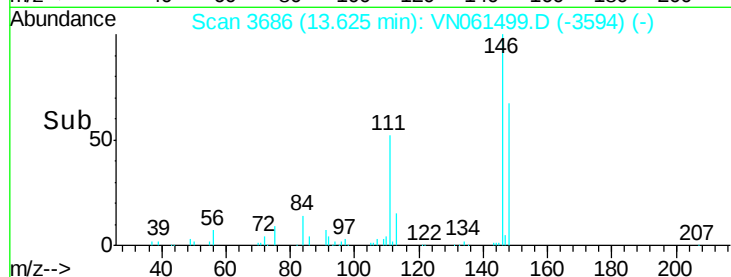
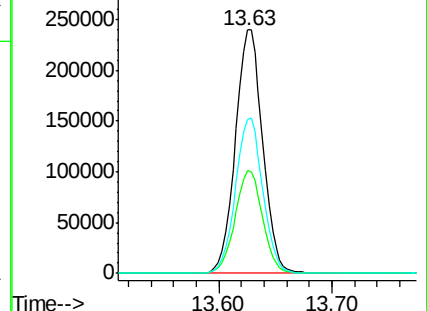
148 63.6 31.6 94.7



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: 42.643 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

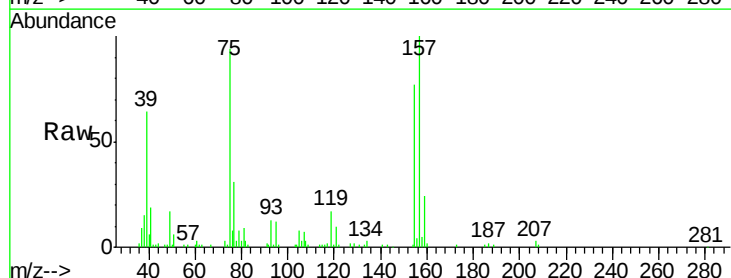
Tgt Ion: 75 Resp: 48531

Ion Ratio Lower Upper

75 100

155 85.2 38.9 116.7

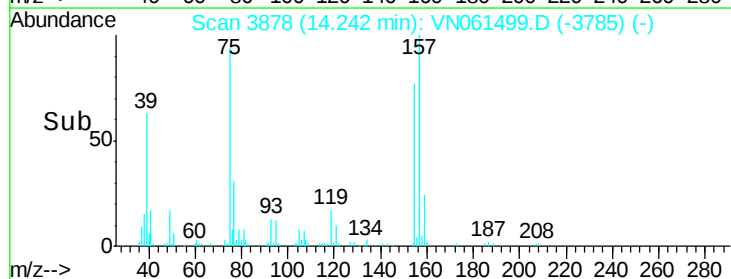
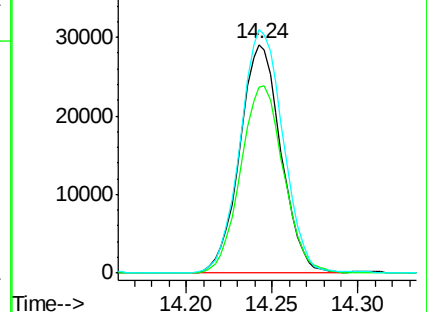
157 111.1 48.6 145.8

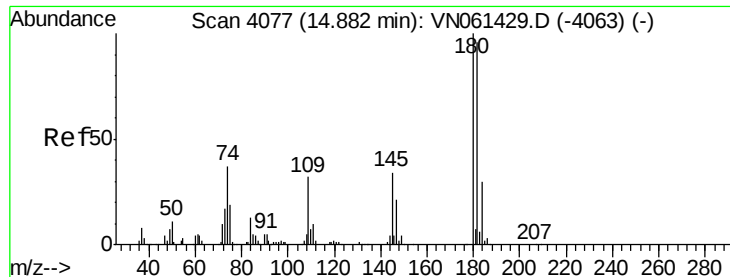


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

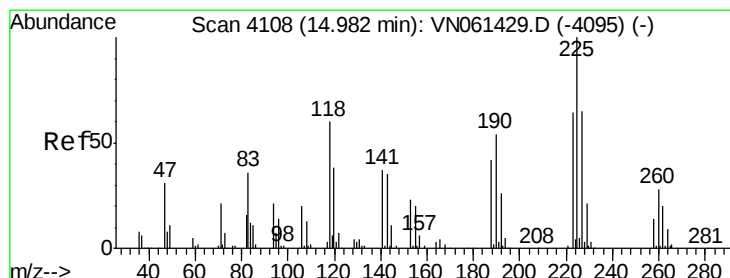
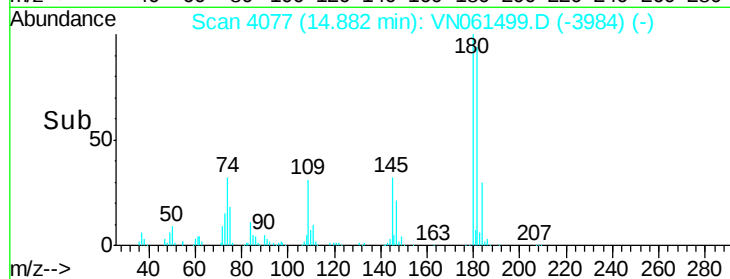
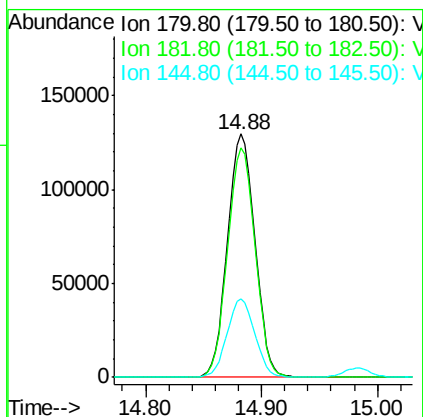
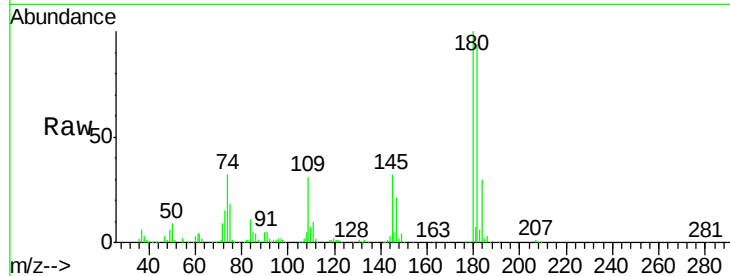




#93
 1,2,4-Trichlorobenzene
 Concen: 50.202 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

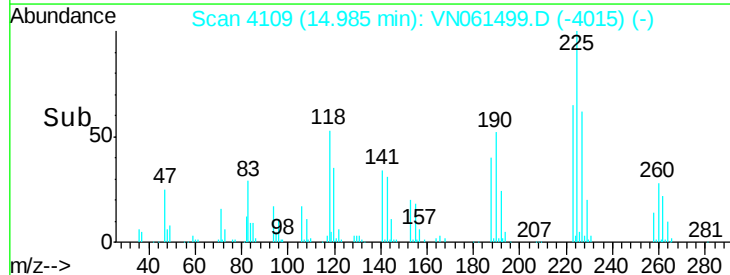
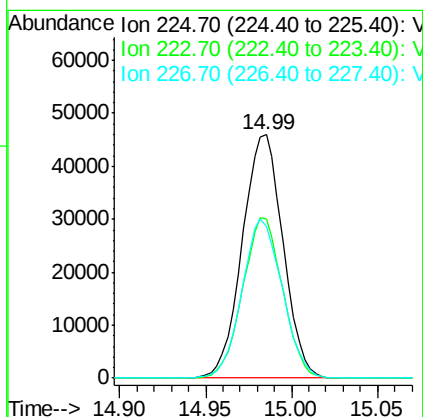
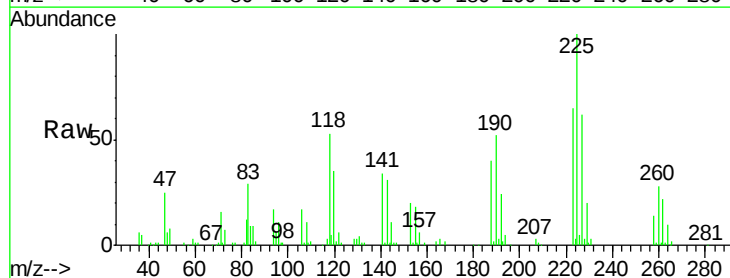
Instrument :
 MSVOA_N
 ClientSampleId :

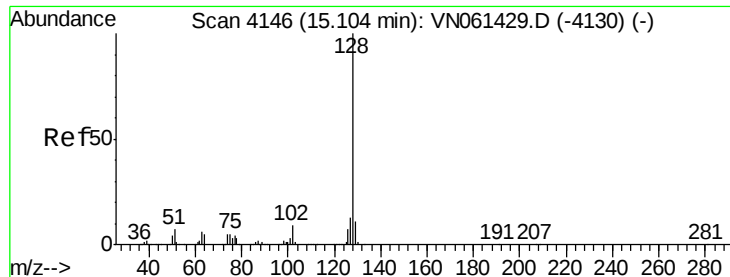
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	32.5	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 40.133 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.9	95.7
227	64.8	31.5	94.5





#95

Naphthalene

Concen: 50.789 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampled :

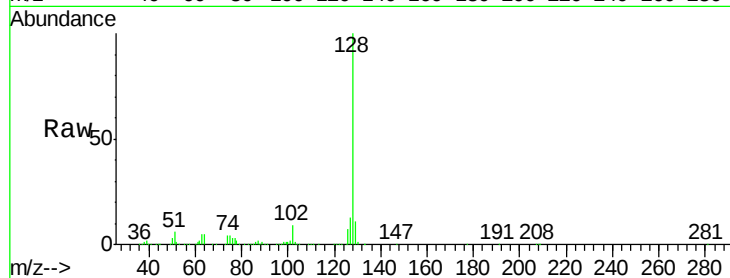
Tot Ion:128 Resp: 683057

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

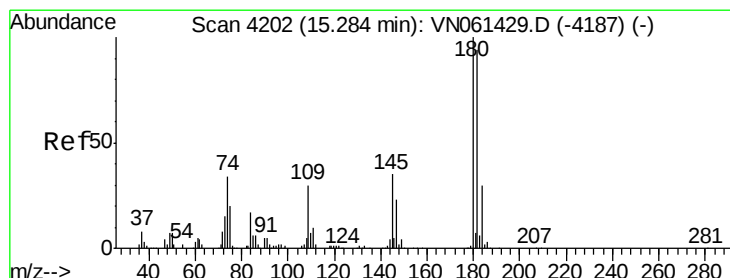
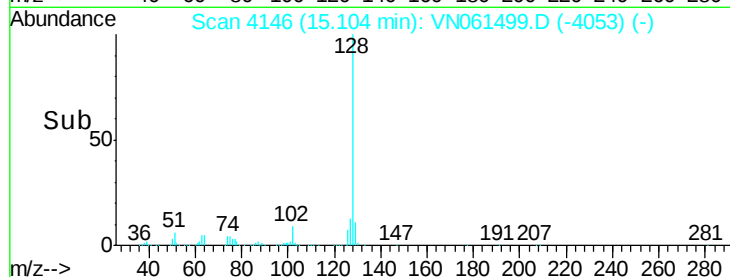
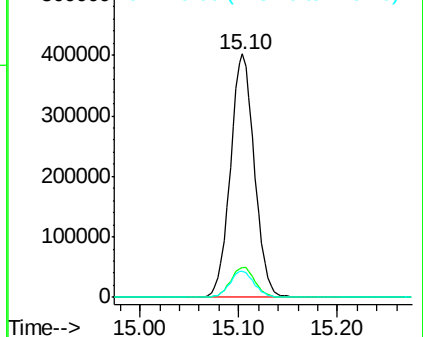
129 11.0 8.6 13.0



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: 48.469 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

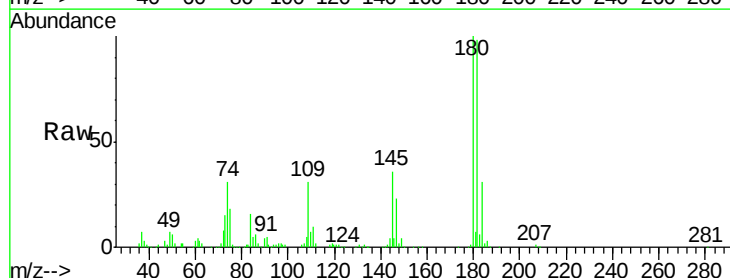
Tgt Ion:180 Resp: 204120

Ion Ratio Lower Upper

180 100

182 95.8 47.8 143.3

145 35.0 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

