

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061131.D
 Acq On : 22 Apr 2020 15:51
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 07:32:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.39	168	207124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	332109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	308459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	151836	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.76	65	128940	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
35) Dibromofluoromethane	7.31	113	91916	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	9.88	98	388936	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.21	95	146527	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.72	85	115582	60.013	ug/l	99
3) Chloromethane	1.91	50	136947	58.218	ug/l	99
4) Vinyl Chloride	2.03	62	156178	54.706	ug/l	99
5) Bromomethane	2.39	94	76927	55.443	ug/l	98
6) Chloroethane	2.52	64	83855	55.602	ug/l	99
7) Trichlorofluoromethane	2.82	101	176868	58.113	ug/l	99
8) Diethyl Ether	3.17	74	75803	53.912	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.50	101	117191	57.619	ug/l	98
10) Methyl Iodide	3.68	142	168616	57.485	ug/l	100
11) Tert butyl alcohol	4.43	59	78344	221.379	ug/l	100
12) 1,1-Dichloroethene	3.48	96	115465	55.763	ug/l	98
13) Acrolein	3.35	56	67744	250.526	ug/l	98
14) Allyl chloride	4.03	41	171279	64.067	ug/l	98
15) Acrylonitrile	4.63	53	277299	252.905	ug/l	100
16) Acetone	3.54	43	212601	225.316	ug/l	100
17) Carbon Disulfide	3.78	76	348113	56.219	ug/l	100
18) Methyl Acetate	4.02	43	163343	49.986	ug/l	100
19) Methyl tert-butyl Ether	4.69	73	392982	53.731	ug/l	99
20) Methylene Chloride	4.24	84	129389	53.923	ug/l	98
21) trans-1,2-Dichloroethene	4.69	96	129925	52.363	ug/l	99
22) Diisopropyl ether	5.61	45	415119	54.790	ug/l	98
23) Vinyl Acetate	5.54	43	1665795	274.352	ug/l	99
24) 1,1-Dichloroethane	5.50	63	234843	56.015	ug/l	100
25) 2-Butanone	6.50	43	358956	239.840	ug/l	99
26) 2,2-Dichloropropane	6.49	77	214491	56.812	ug/l	100
27) cis-1,2-Dichloroethene	6.50	96	147043	53.397	ug/l	99
28) Bromochloromethane	6.89	49	93091	51.679	ug/l	97
29) Tetrahydrofuran	6.90	42	248002	240.696	ug/l	100
30) Chloroform	7.08	83	238685	56.297	ug/l	99
31) Cyclohexane	7.37	56	223550	53.019	ug/l	99
32) 1,1,1-Trichloroethane	7.28	97	211519	55.939	ug/l	99
36) 1,1-Dichloropropene	7.52	75	184574	56.865	ug/l	100
37) Ethyl Acetate	6.60	43	166458	51.170	ug/l	100
38) Carbon Tetrachloride	7.50	117	169815	59.763	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	227728	57.384	ug/l	99
40) Benzene	7.78	78	536997	55.875	ug/l	98
41) Methacrylonitrile	6.90	41	232715	150.683	ug/l #	1
42) 1,2-Dichloroethane	7.86	62	190427	55.607	ug/l	100
43) Isopropyl Acetate	7.91	43	289759	52.445	ug/l	99
44) Trichloroethene	8.60	130	155398	55.614	ug/l	98
45) 1,2-Dichloropropane	8.89	63	139333	54.796	ug/l	99
46) Dibromomethane	8.98	93	90367	55.459	ug/l	96
47) Bromodichloromethane	9.18	83	187249	58.298	ug/l	100
48) Methyl methacrylate	8.98	41	133467	51.306	ug/l	98
49) 1,4-Dioxane	8.97	88	24969	920.504	ug/l	97
51) 4-Methyl-2-Pentanone	9.78	43	819582	254.152	ug/l	99
52) Toluene	9.95	92	342377	56.906	ug/l	100
53) t-1,3-Dichloropropene	10.18	75	221365	56.321	ug/l	99
54) cis-1,3-Dichloropropene	9.63	75	232711	56.913	ug/l	99
55) 1,1,2-Trichloroethane	10.36	97	128331	55.360	ug/l	98
56) Ethyl methacrylate	10.23	69	200875	56.869	ug/l	99
57) 1,3-Dichloropropane	10.51	76	217621	55.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.48	63	488854	268.419	ug/l	100
59) 2-Hexanone	10.55	43	588338	246.960	ug/l	99
60) Dibromochloromethane	10.70	129	140670	58.035	ug/l	99
61) 1,2-Dibromoethane	10.80	107	136039	56.947	ug/l	99
64) Tetrachloroethene	10.43	164	168827	53.464	ug/l	98
65) Chlorobenzene	11.24	112	357887	57.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.31	131	129748	58.386	ug/l	99
67) Ethyl Benzene	11.32	91	662690	56.752	ug/l	100
68) m/p-Xylenes	11.43	106	503173	115.393	ug/l	99
69) o-Xylene	11.75	106	238742	56.708	ug/l	100
70) Styrene	11.77	104	403130	59.126	ug/l	100
71) Bromoform	11.93	173	98608	58.858	ug/l #	99
73) Isopropylbenzene	12.06	105	646228	56.337	ug/l	100
74) N-amyl acetate	11.89	43	271329	52.620	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.32	83	163112	53.062	ug/l	99
76) 1,2,3-Trichloropropane	12.36	75	245708	70.155	ug/l #	100
77) Bromobenzene	12.33	156	155540	55.653	ug/l	99
78) n-propylbenzene	12.40	91	764157	56.795	ug/l	100
79) 2-Chlorotoluene	12.48	91	434412	55.605	ug/l	100
80) 1,3,5-Trimethylbenzene	12.55	105	544566	56.338	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.11	75	69826	52.358	ug/l #	91
82) 4-Chlorotoluene	12.58	91	467639	56.419	ug/l	100
83) tert-Butylbenzene	12.81	119	455433	56.105	ug/l	99
84) 1,2,4-Trimethylbenzene	12.85	105	542343	56.337	ug/l	100
85) sec-Butylbenzene	12.99	105	621893	56.616	ug/l	100
86) p-Isopropyltoluene	13.10	119	567487	56.920	ug/l	99
87) 1,3-Dichlorobenzene	13.09	146	281474	56.825	ug/l	100
88) 1,4-Dichlorobenzene	13.17	146	282972	56.279	ug/l	99
89) n-Butylbenzene	13.43	91	531211	58.394	ug/l	100
90) Hexachloroethane	13.68	117	61755	58.950	ug/l	99
91) 1,2-Dichlorobenzene	13.46	146	262934	57.055	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.08	75	34037	51.008	ug/l	96

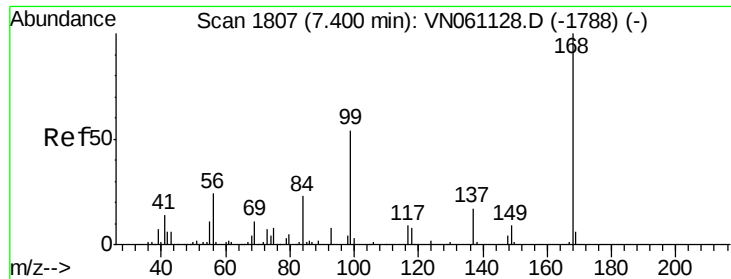
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.72	180	182162	59.100	ug/l	99
94) Hexachlorobutadiene	14.82	225	83120	61.838	ug/l	98
95) Naphthalene	14.93	128	523010	54.957	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	172268	58.164	ug/l	100

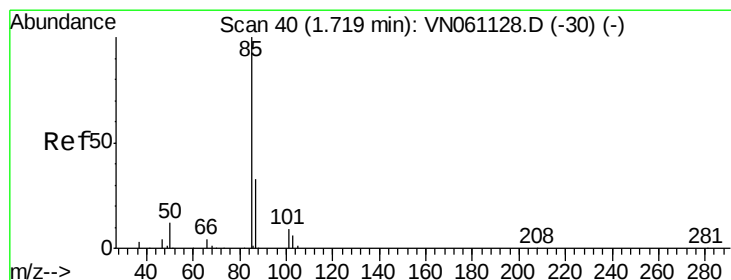
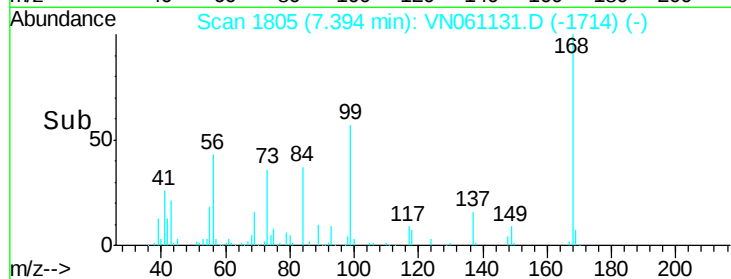
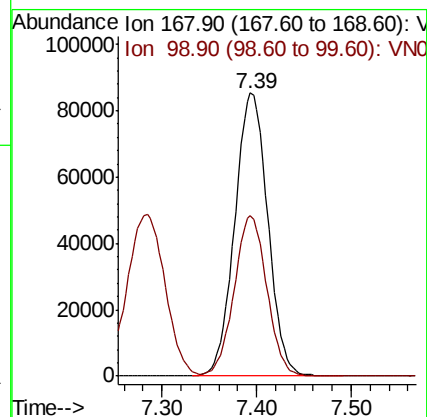
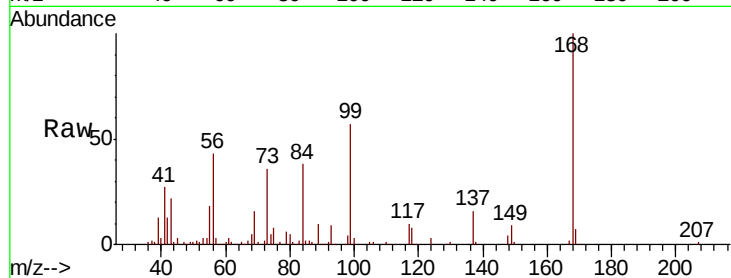
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.39 min Scan# 1805
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

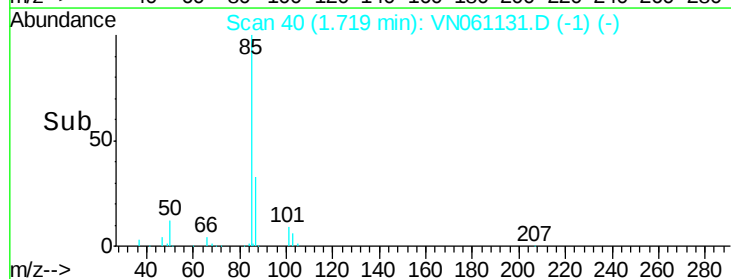
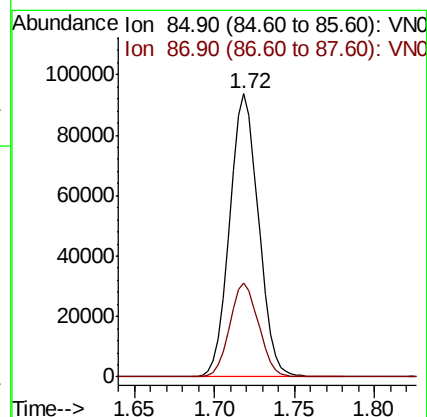
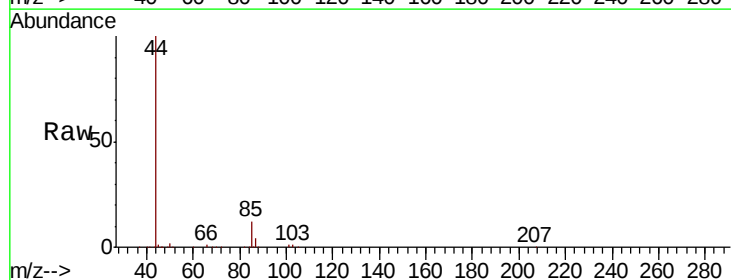
Instrument :
MSVOA_V
ClientSampleId :

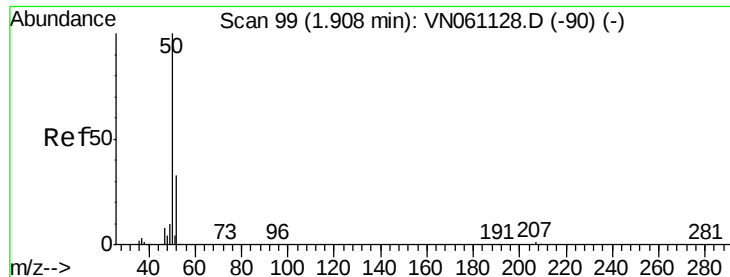
Tot Ion:168 Resp: 207124
Ion Ratio Lower Upper
168 100
99 56.8 44.3 66.5



#2
Dichlorodifluoromethane
Concen: 60.013 ug/l
RT: 1.72 min Scan# 40
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion: 85 Resp: 115582
Ion Ratio Lower Upper
85 100
87 33.0 16.4 49.1





#3

Chloromethane

Concen: 58.218 ug/l

RT: 1.91 min Scan# 99

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

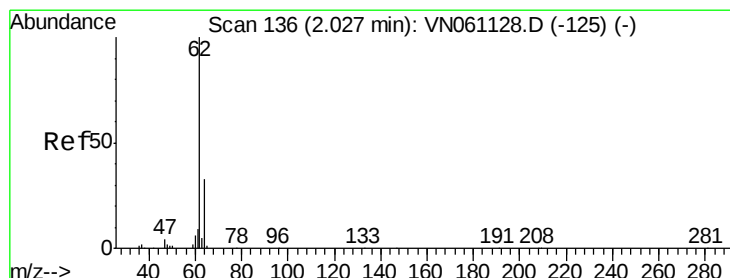
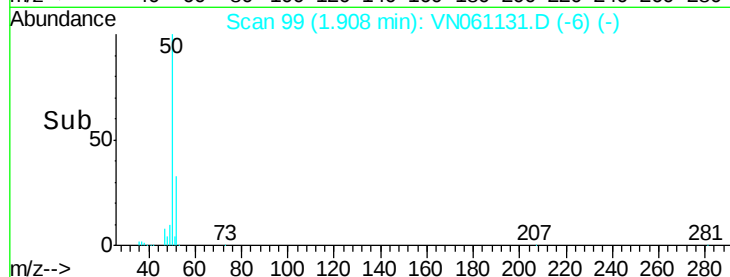
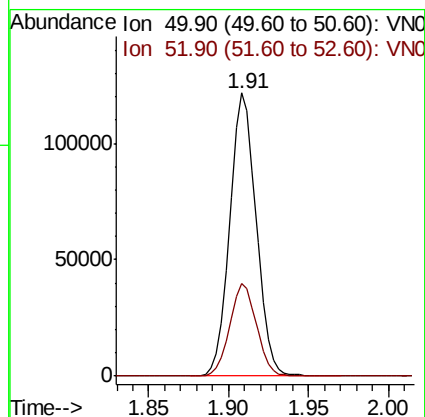
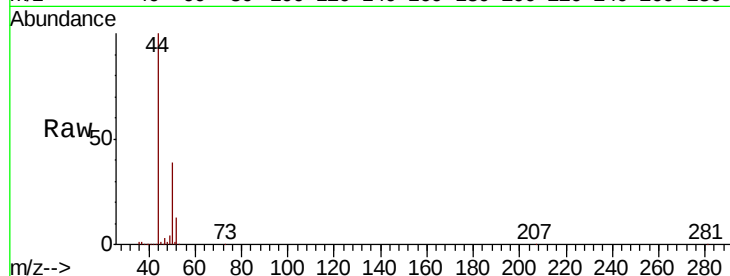
ClientSampleId :

Tot Ion: 50 Resp: 136947

Ion Ratio Lower Upper

50 100

52 32.5 26.3 39.5



#4

Vinyl Chloride

Concen: 54.706 ug/l

RT: 2.03 min Scan# 136

Delta R.T. 0.00 min

Lab File: VN061131.D

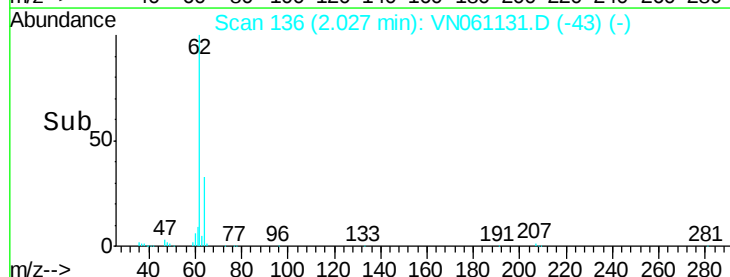
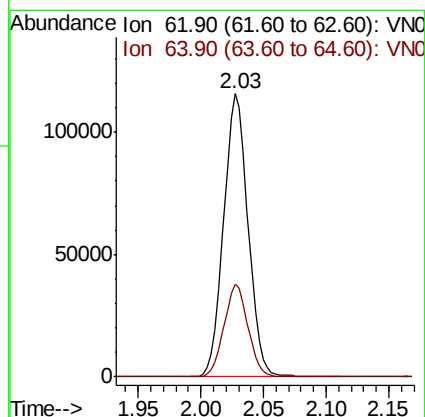
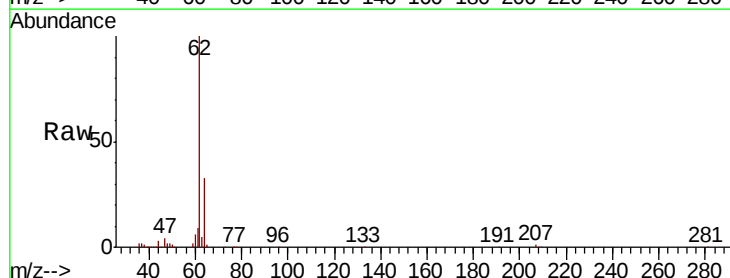
Acq: 22 Apr 2020 15:51

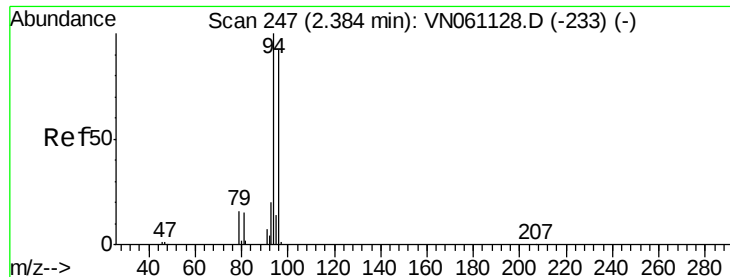
Tgt Ion: 62 Resp: 156178

Ion Ratio Lower Upper

62 100

64 32.7 26.6 40.0





#5

Bromomethane

Concen: 55.443 ug/l

RT: 2.39 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

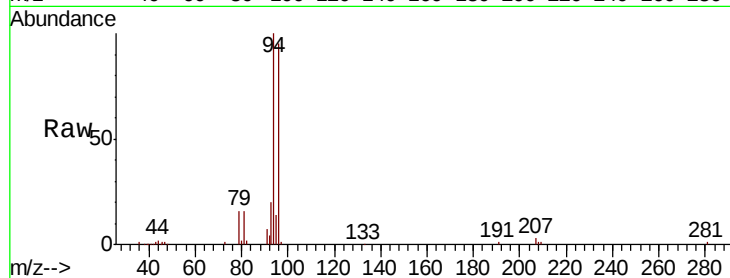
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 94 Resp: 76927

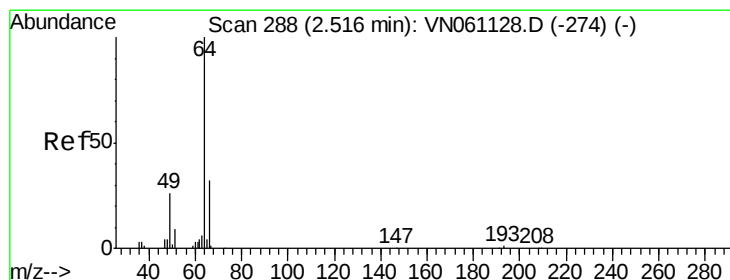
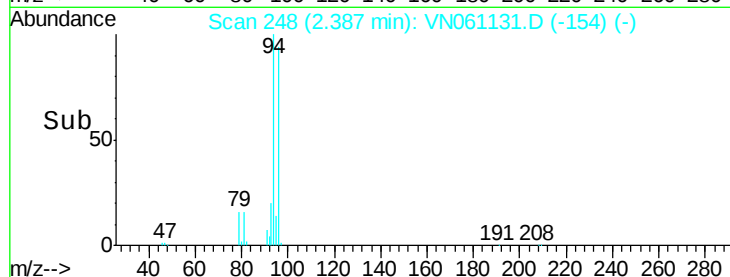
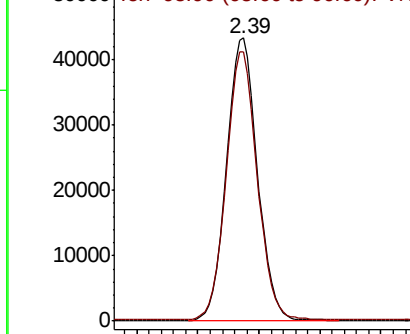
Ion Ratio Lower Upper

94 100

96 94.3 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 55.602 ug/l

RT: 2.52 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN061131.D

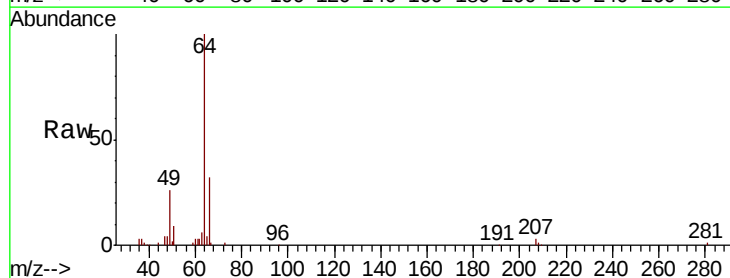
Acq: 22 Apr 2020 15:51

Tgt Ion: 64 Resp: 83855

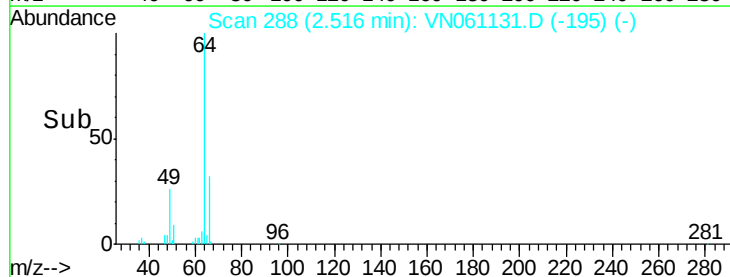
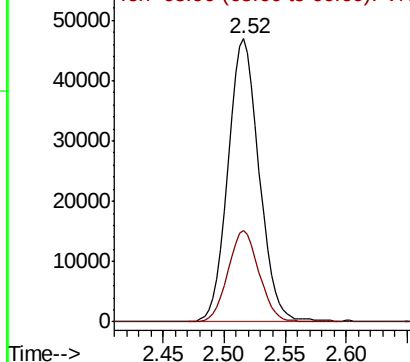
Ion Ratio Lower Upper

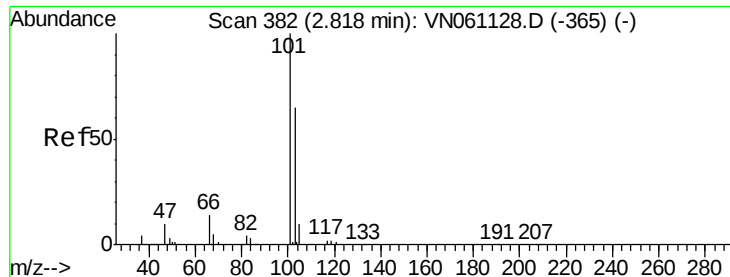
64 100

66 32.3 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



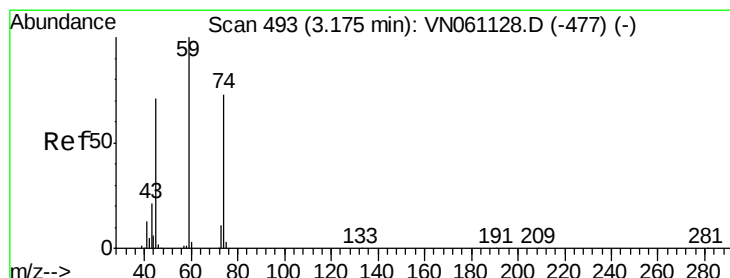
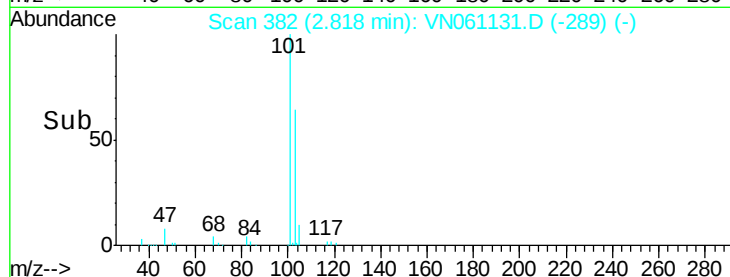
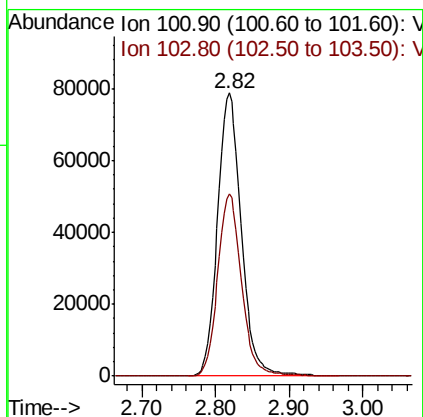
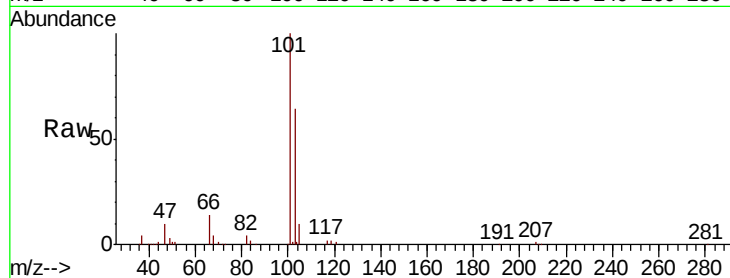


#7

Trichlorofluoromethane
 Concen: 58.113 ug/l
 RT: 2.82 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Instrument :
 MSVOA_V
 ClientSampleId :

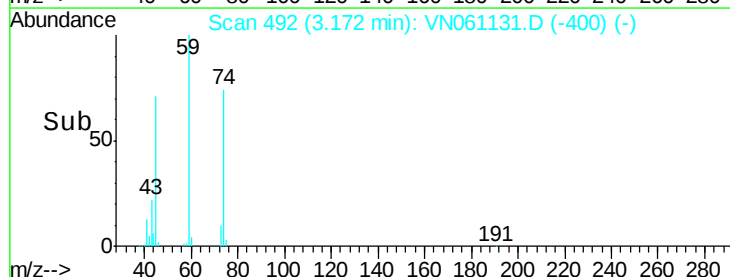
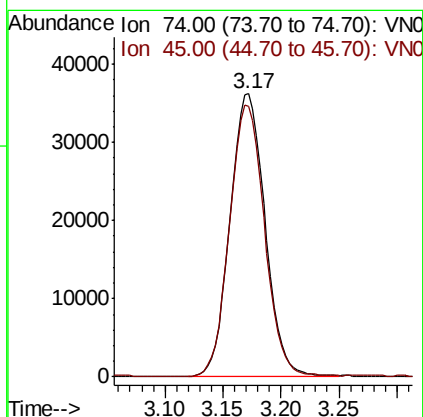
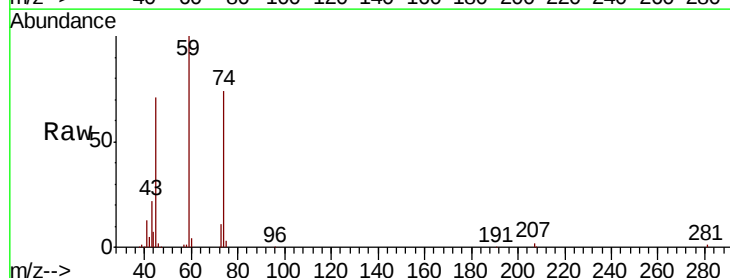
Tot Ion:101 Resp: 176868
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.1 78.1

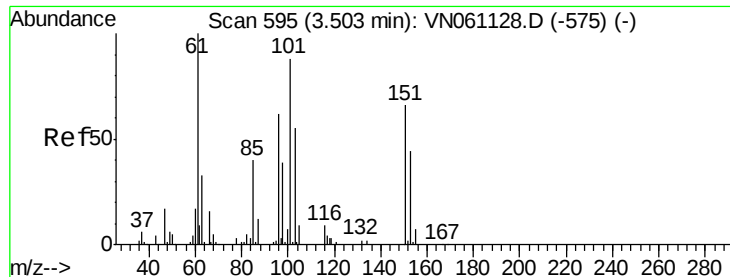


#8

Diethyl Ether
 Concen: 53.912 ug/l
 RT: 3.17 min Scan# 492
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion: 74 Resp: 75803
 Ion Ratio Lower Upper
 74 100
 45 96.2 49.1 147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.619 ug/l

RT: 3.50 min Scan# 594

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

ClientSampled :

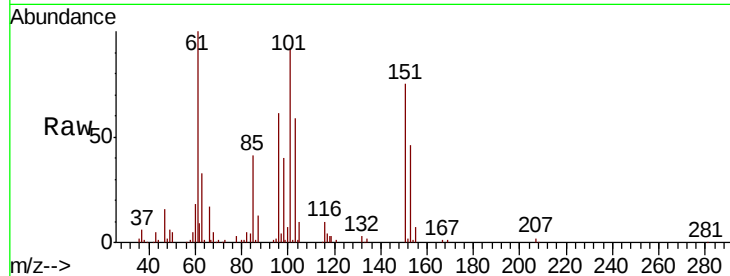
Tot Ion:101 Resp: 117191

Ion Ratio Lower Upper

101 100

85 44.6 36.2 54.4

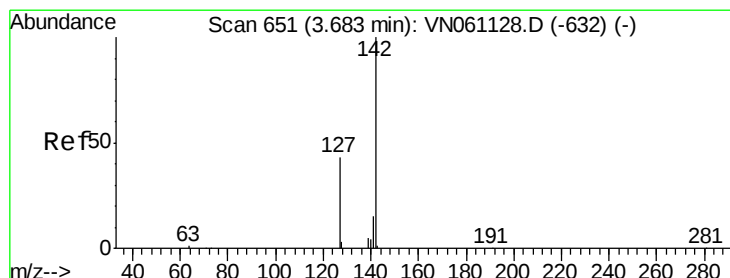
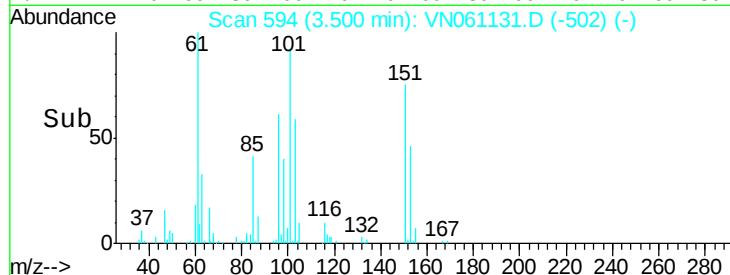
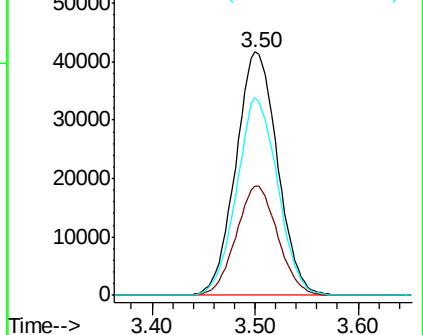
151 79.9 61.8 92.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 57.485 ug/l

RT: 3.68 min Scan# 651

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

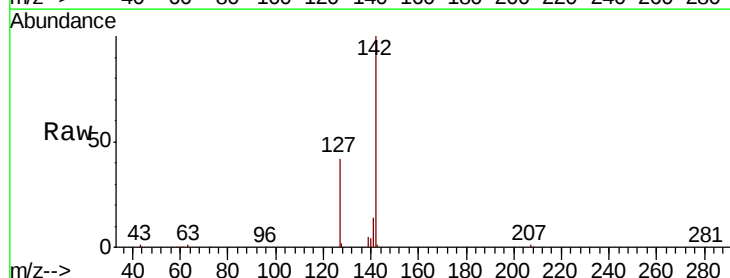
Tgt Ion:142 Resp: 168616

Ion Ratio Lower Upper

142 100

127 42.6 34.2 51.4

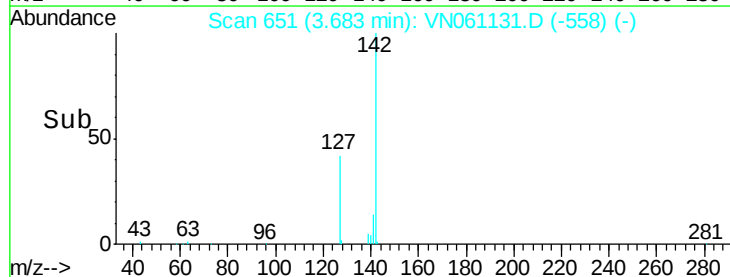
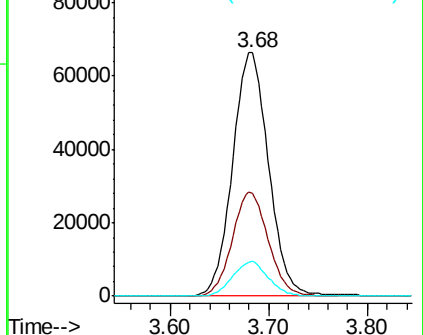
141 14.0 11.3 16.9

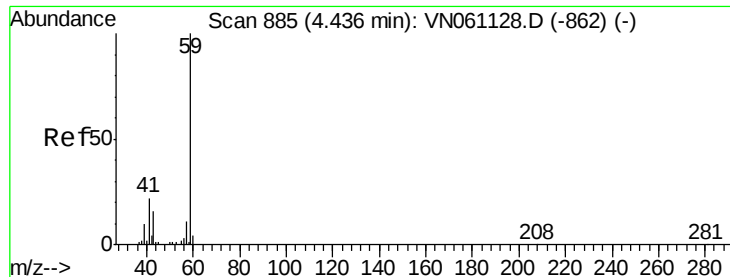


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

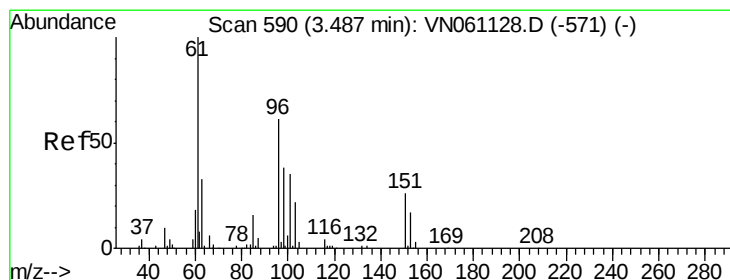
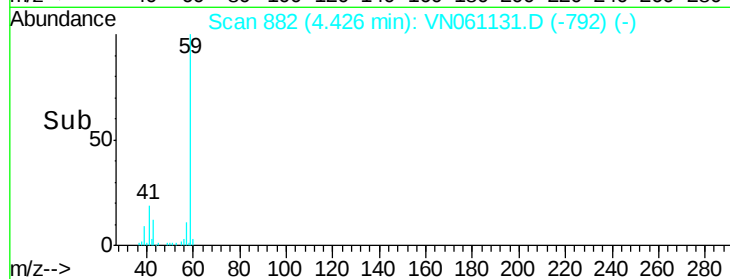
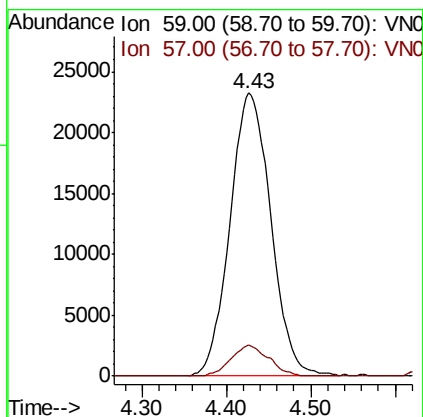
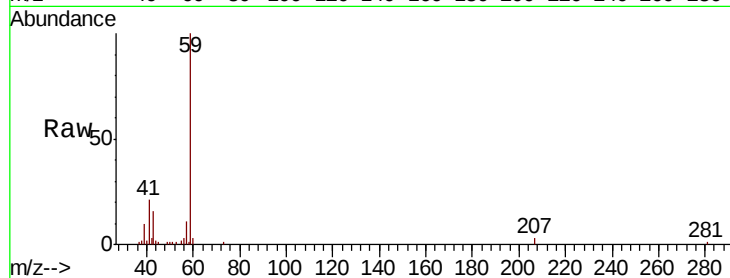




#11
Tert butyl alcohol
Concen: 221.379 ug/l
RT: 4.43 min Scan# 882
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

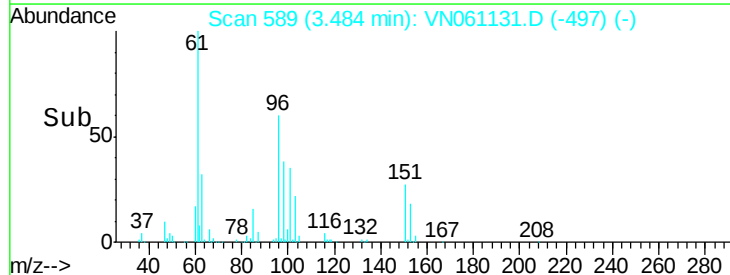
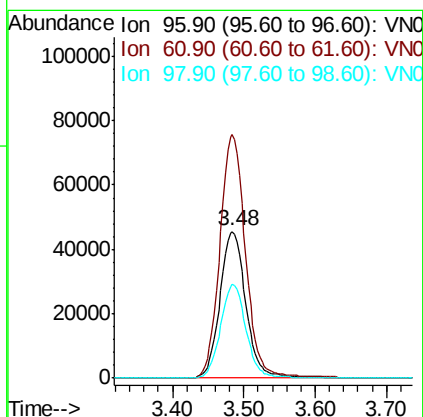
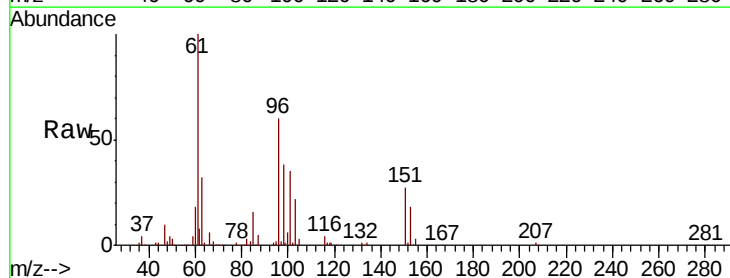
Instrument :
MSVOA_V
ClientSampled :

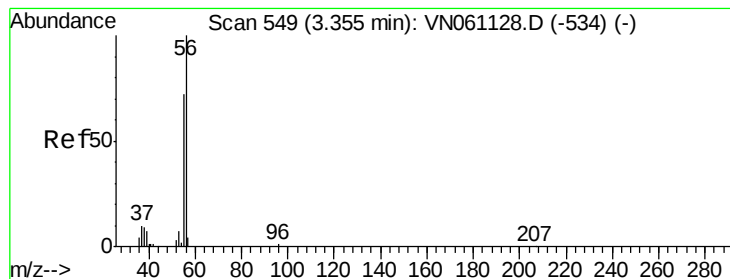
Tot Ion: 59 Resp: 78344
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4



#12
1,1-Dichloroethene
Concen: 55.763 ug/l
RT: 3.48 min Scan# 589
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion: 96 Resp: 115465
Ion Ratio Lower Upper
96 100
61 165.8 130.8 196.2
98 63.7 49.4 74.2





#13

Acrolein

Concen: 250.526 ug/l

RT: 3.35 min Scan# 548

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

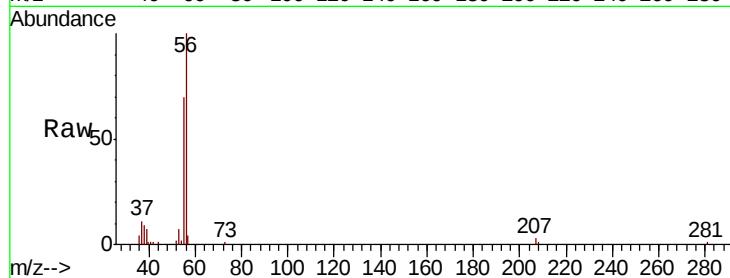
ClientSampleId :

Tot Ion: 56 Resp: 67744

Ion Ratio Lower Upper

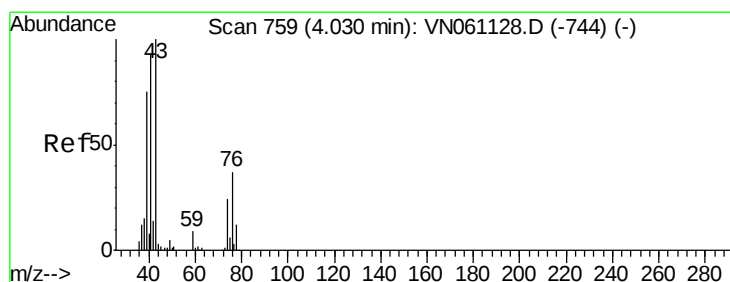
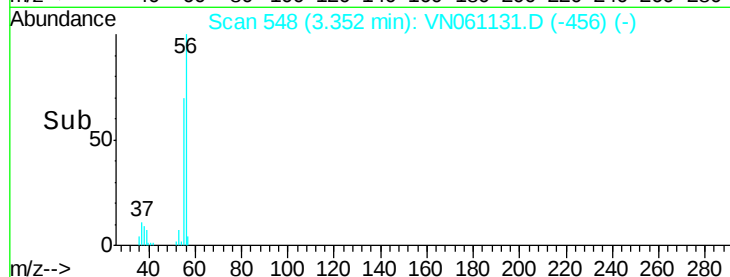
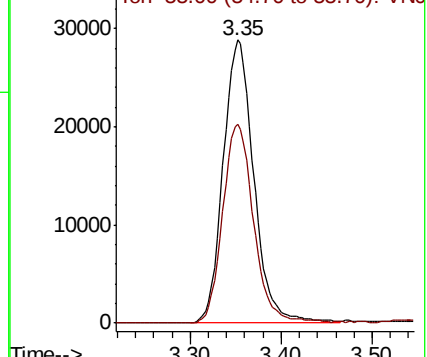
56 100

55 69.8 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 64.067 ug/l

RT: 4.03 min Scan# 758

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

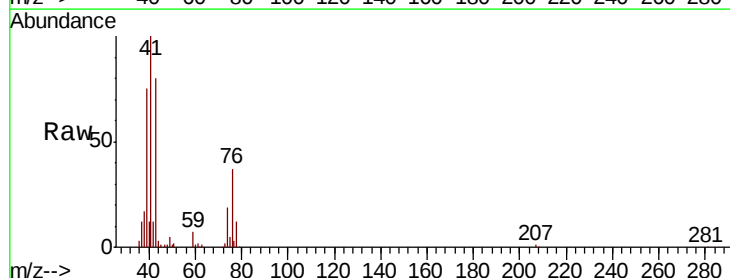
Tgt Ion: 41 Resp: 171279

Ion Ratio Lower Upper

41 100

39 75.1 61.0 91.4

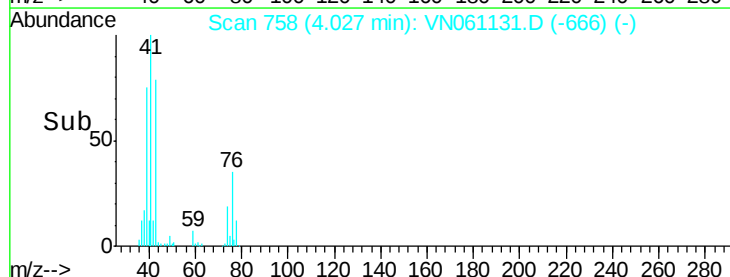
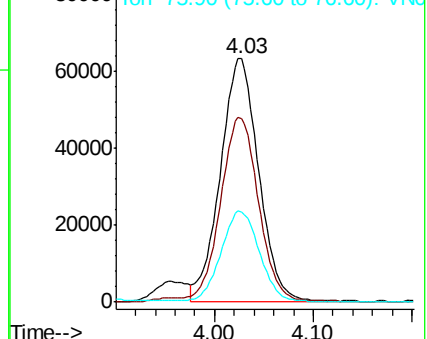
76 38.3 28.9 43.3

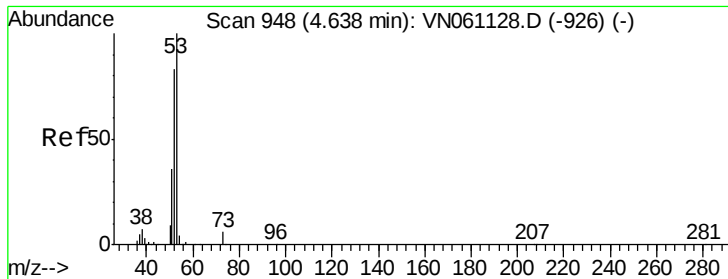


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 252.905 ug/l

RT: 4.63 min Scan# 946

Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

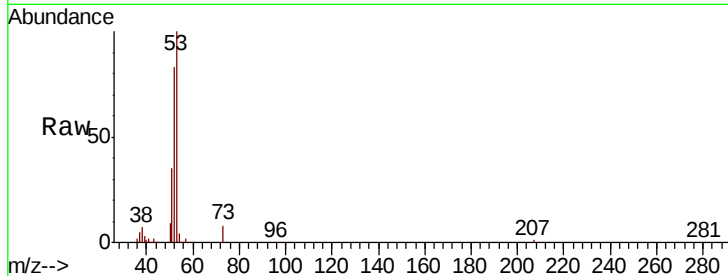
Tot Ion: 53 Resp: 277299

Ion Ratio Lower Upper

53 100

52 82.8 66.1 99.1

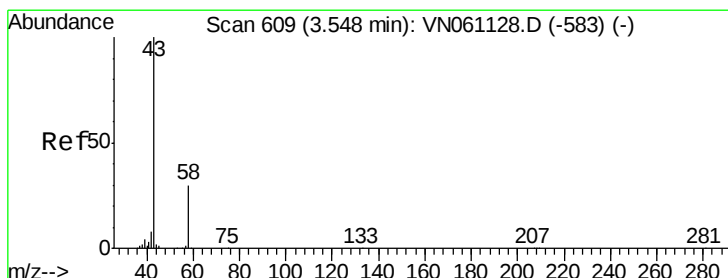
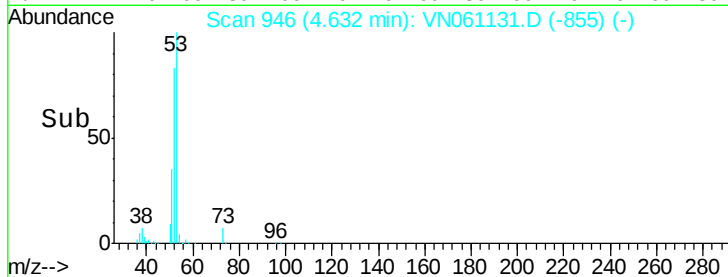
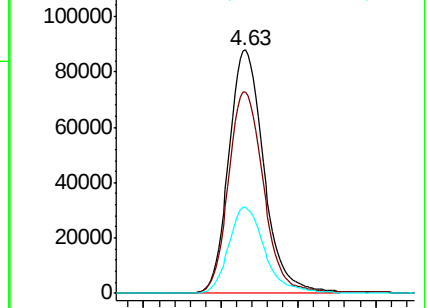
51 36.6 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VN061131.D (-855) (-)

Ion 52.00 (51.70 to 52.70): VN061131.D (-855) (-)

Ion 51.00 (50.70 to 51.70): VN061131.D (-855) (-)



#16

Acetone

Concen: 225.316 ug/l

RT: 3.54 min Scan# 607

Delta R.T. -0.01 min

Lab File: VN061131.D

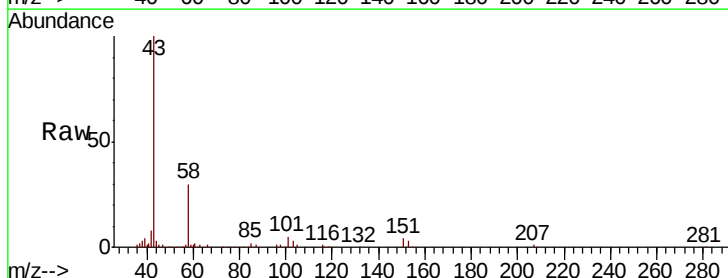
Acq: 22 Apr 2020 15:51

Tgt Ion: 43 Resp: 212601

Ion Ratio Lower Upper

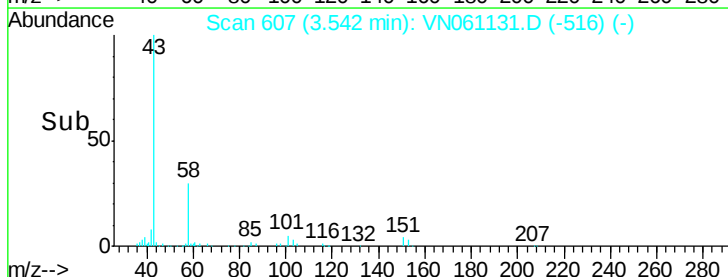
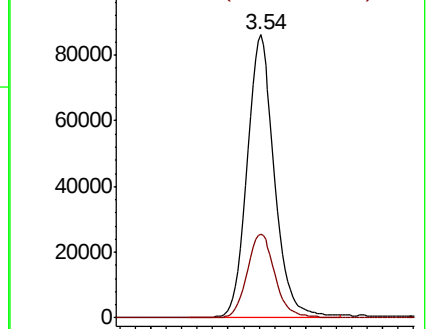
43 100

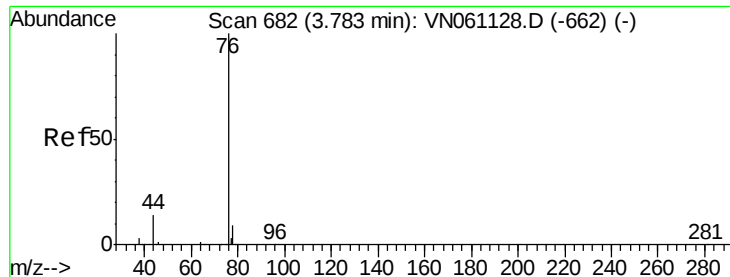
58 29.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN061131.D (-516) (-)

Ion 58.00 (57.70 to 58.70): VN061131.D (-516) (-)

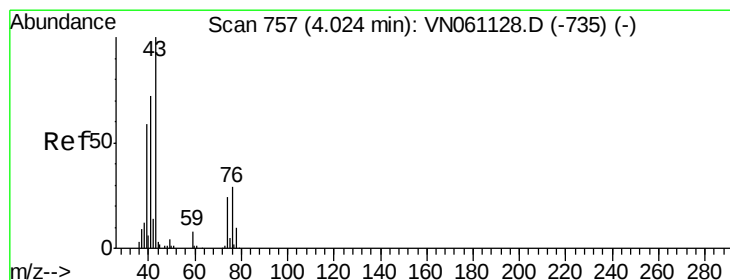
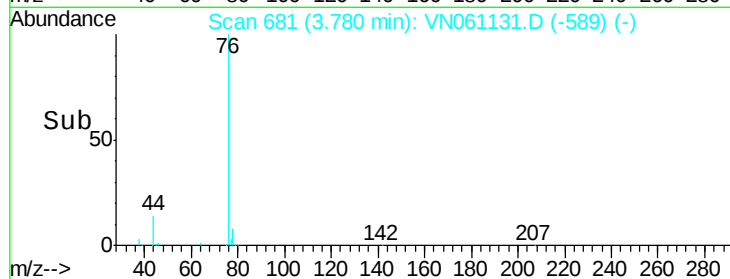
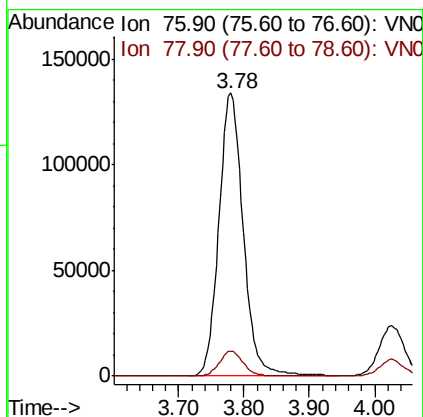
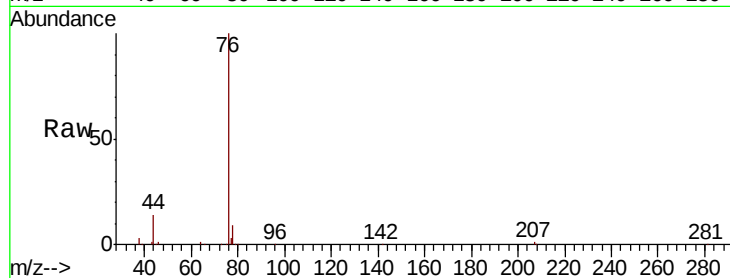




#17
Carbon Disulfide
Concen: 56.219 ug/l
RT: 3.78 min Scan# 681
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

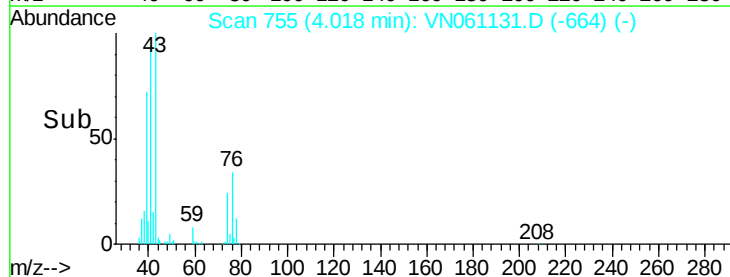
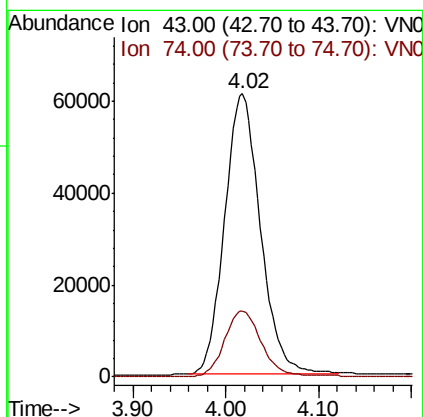
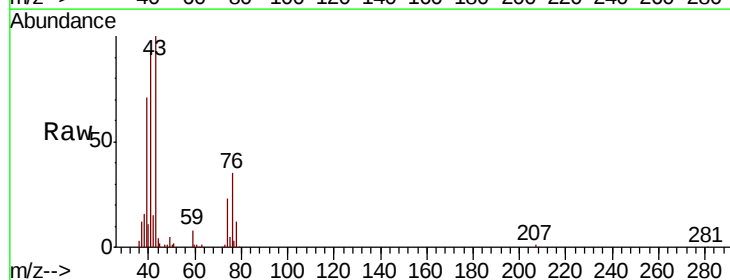
Instrument :
MSVOA_V
ClientSampled :

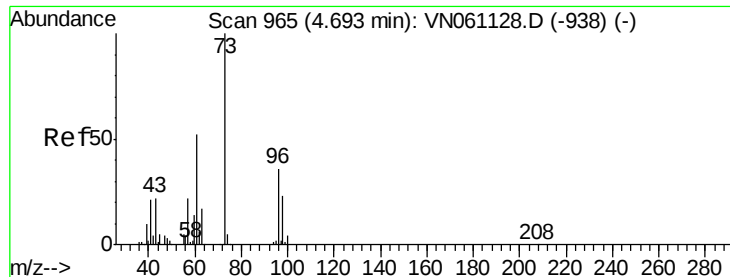
Tot Ion: 76 Resp: 348113
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 49.986 ug/l
RT: 4.02 min Scan# 755
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion: 43 Resp: 163343
Ion Ratio Lower Upper
43 100
74 24.4 19.4 29.0



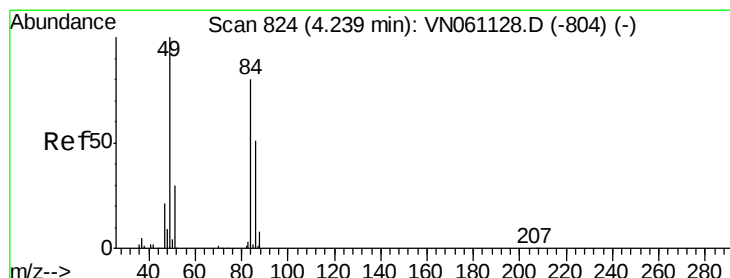
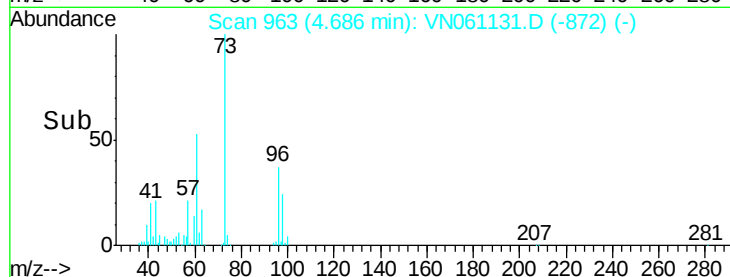
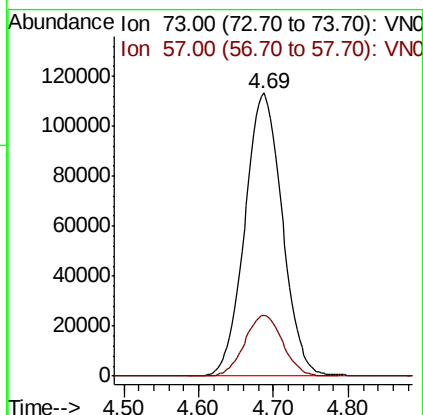
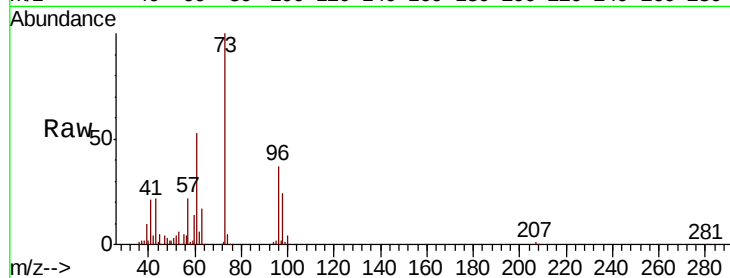


#19

Methyl tert-butyl Ether
 Concen: 53.731 ug/l
 RT: 4.69 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Instrument :
 MSVOA_V
 ClientSampleId :

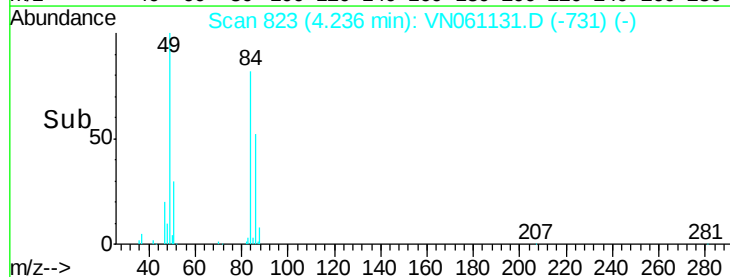
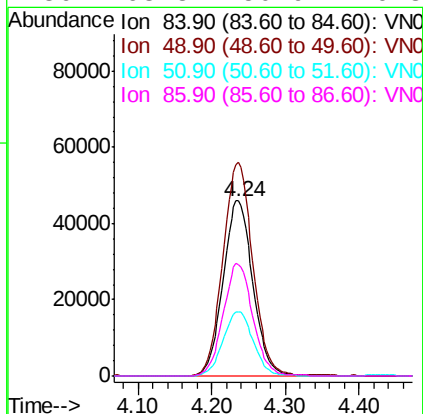
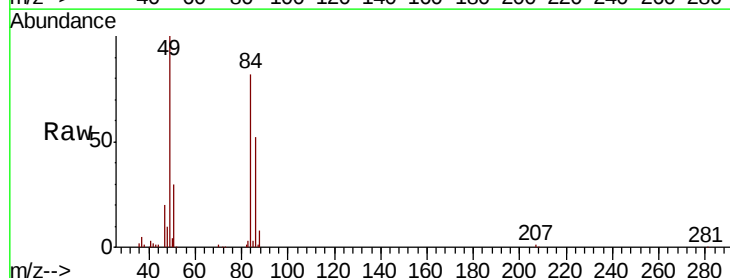
Tot Ion: 73 Resp: 392982
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.8 26.8

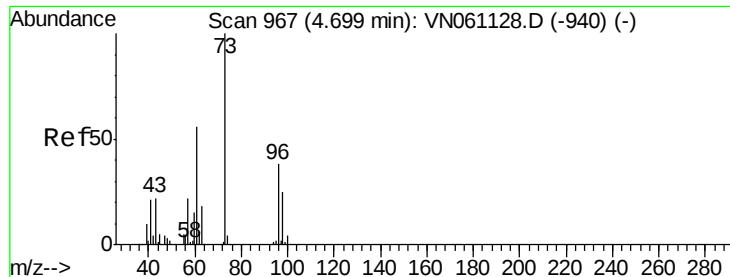


#20

Methylene Chloride
 Concen: 53.923 ug/l
 RT: 4.24 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion: 84 Resp: 129389
 Ion Ratio Lower Upper
 84 100
 49 122.0 99.8 149.6
 51 36.7 29.9 44.9
 86 63.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 52.363 ug/l

RT: 4.69 min Scan# 965

Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

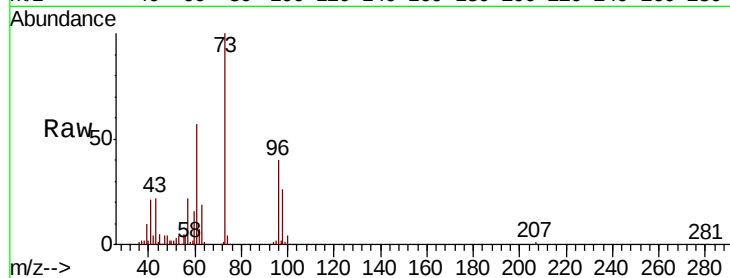
Tot Ion: 96 Resp: 129925

Ion Ratio Lower Upper

96 100

61 143.1 116.4 174.6

98 64.6 51.4 77.2

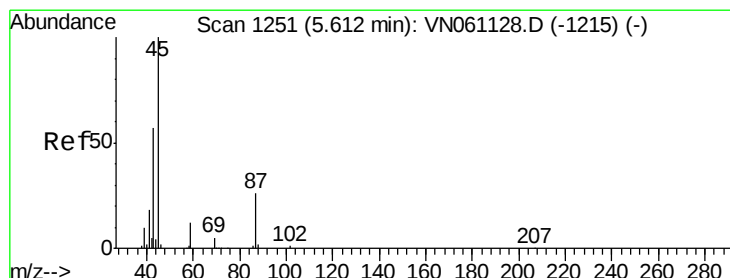
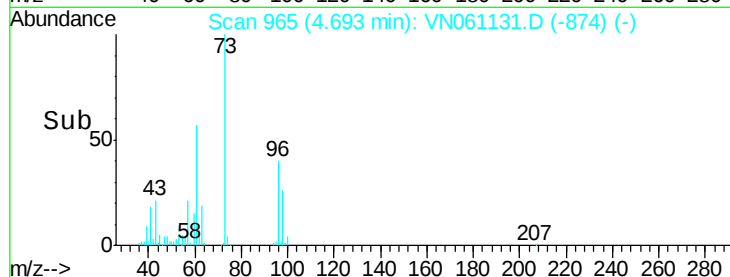
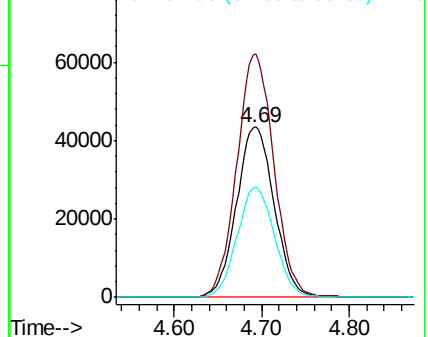


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 54.790 ug/l

RT: 5.61 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Tgt Ion: 45 Resp: 415119

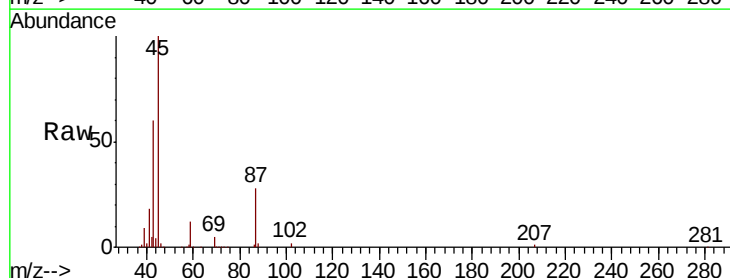
Ion Ratio Lower Upper

45 100

43 58.4 48.4 72.6

87 27.7 21.4 32.0

59 12.1 9.4 14.2



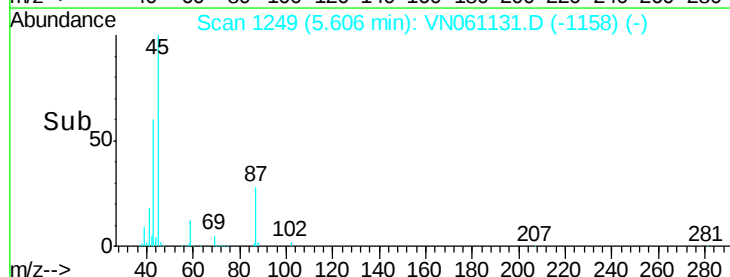
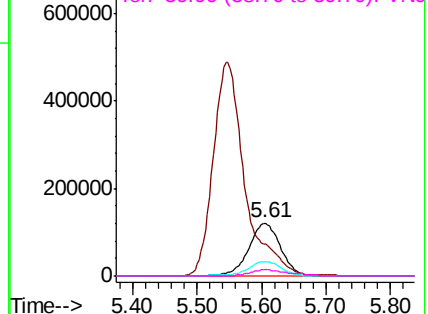
Abundance

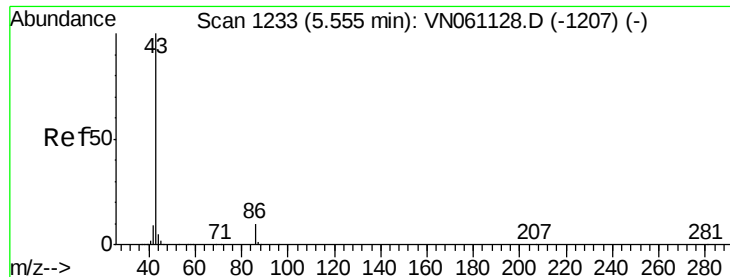
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

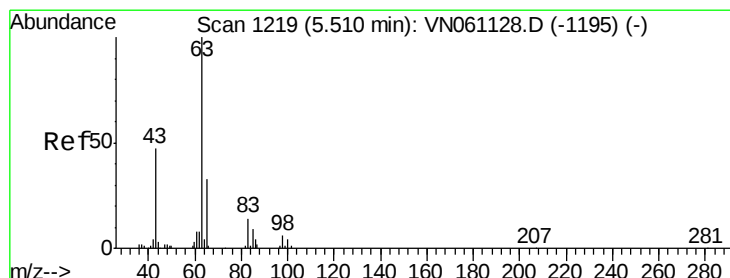
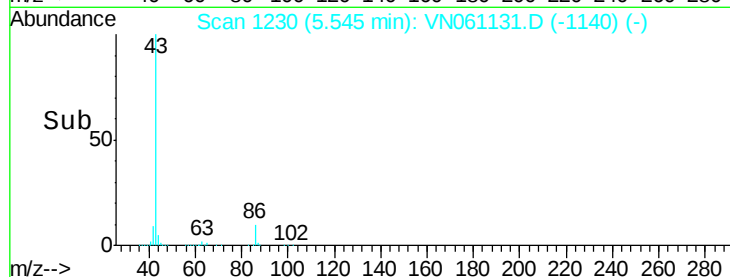
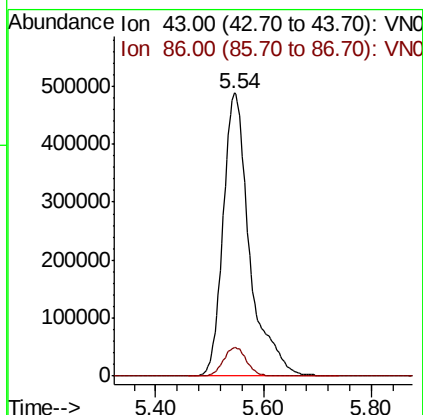
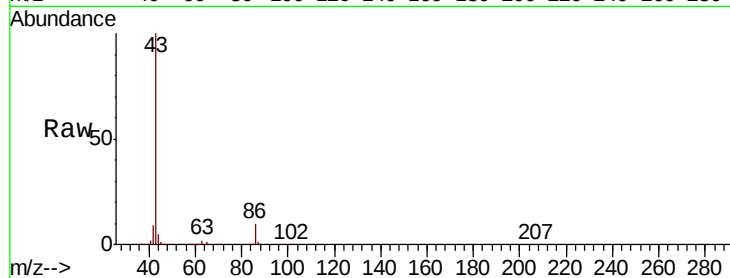




#23
 Vinyl Acetate
 Concen: 274.352 ug/l
 RT: 5.54 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

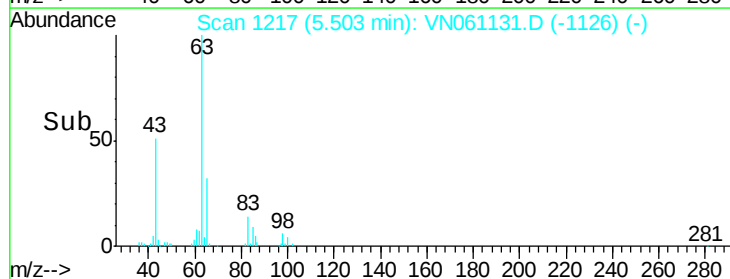
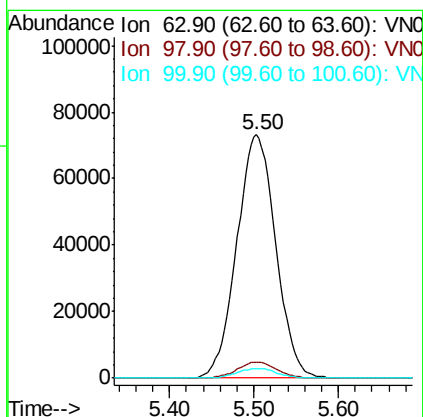
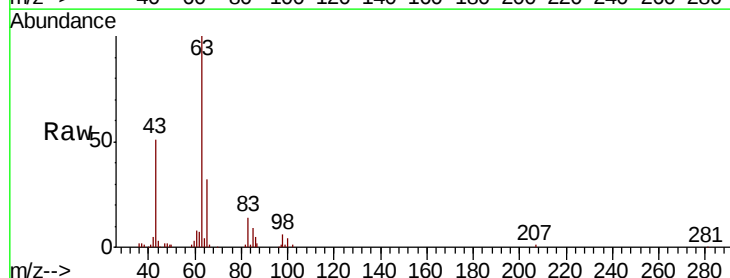
Instrument :
 MSVOA_V
 ClientSampled :

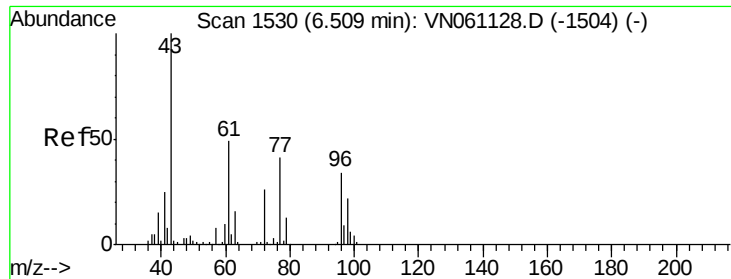
Tot Ion: 43 Resp: 1665795
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 56.015 ug/l
 RT: 5.50 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion: 63 Resp: 234843
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 239.840 ug/l

RT: 6.50 min Scan# 1528

Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

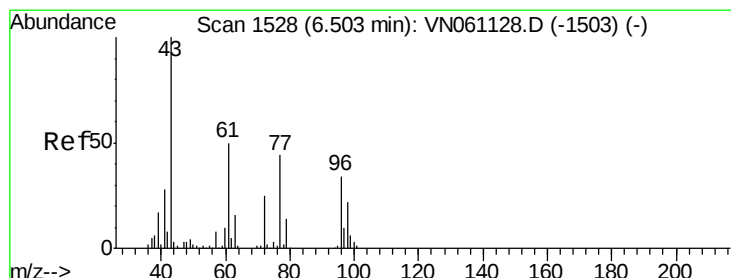
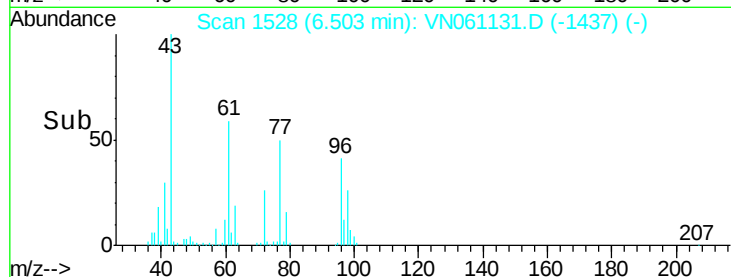
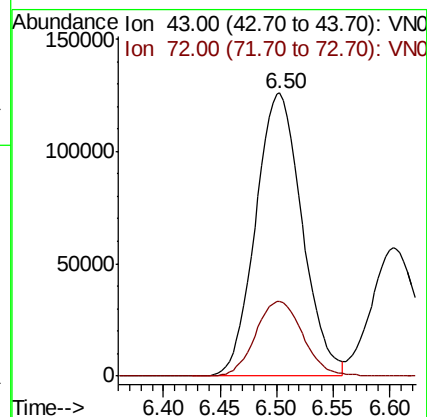
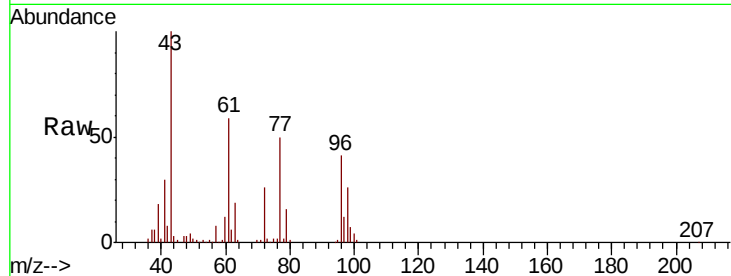
ClientSampleId :

Tot Ion: 43 Resp: 358956

Ion Ratio Lower Upper

43 100

72 26.3 20.8 31.2



#26

2,2-Dichloropropane

Concen: 56.812 ug/l

RT: 6.49 min Scan# 1525

Delta R.T. -0.01 min

Lab File: VN061131.D

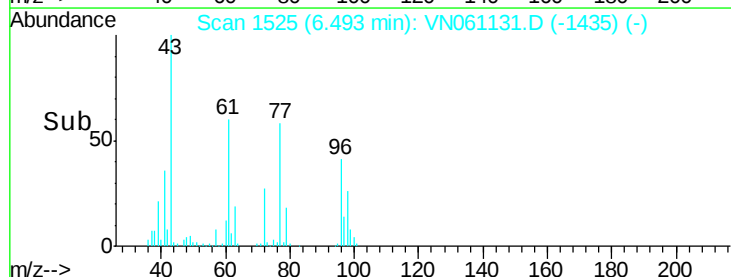
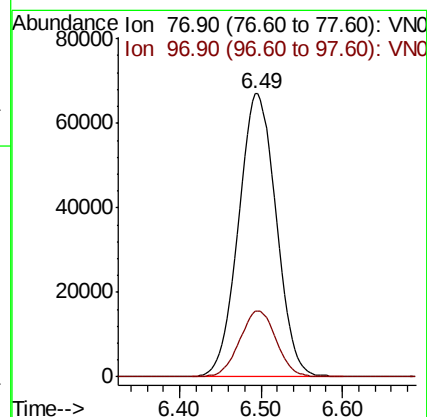
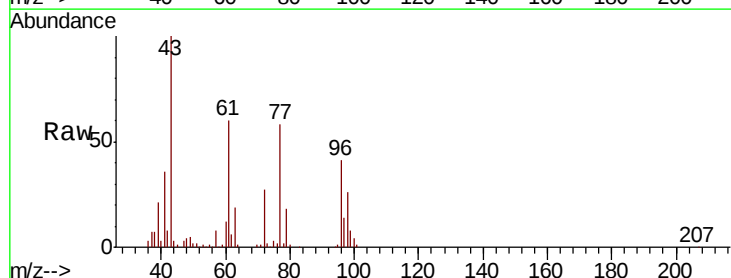
Acq: 22 Apr 2020 15:51

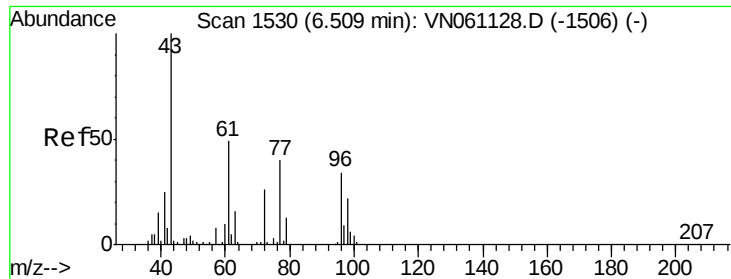
Tgt Ion: 77 Resp: 214491

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 53.397 ug/l

RT: 6.50 min Scan# 1528

Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_V
ClientSampleId :

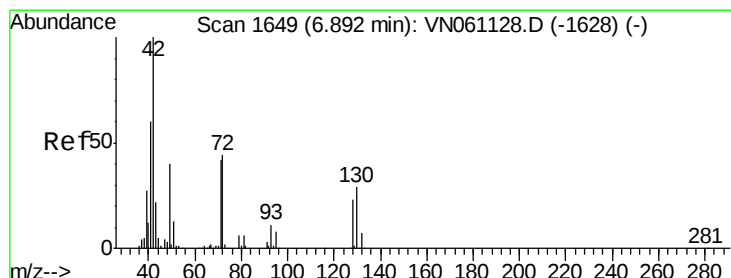
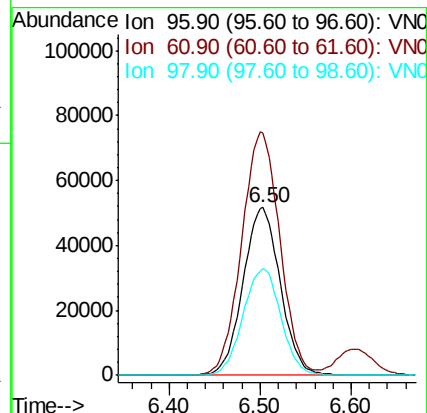
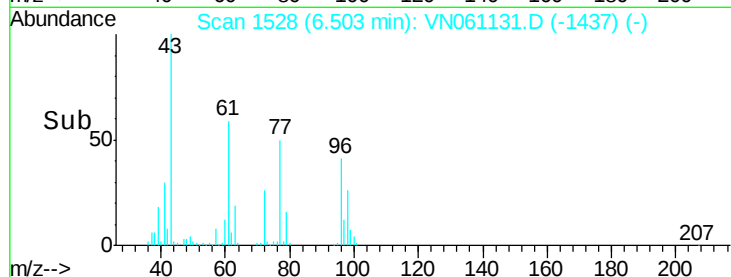
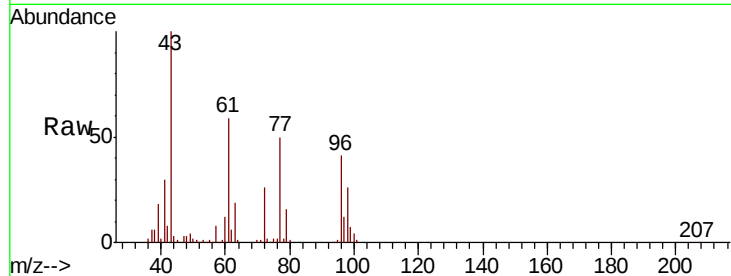
Tot Ion: 96 Resp: 147043

Ion Ratio Lower Upper

96 100

61 148.6 0.0 300.4

98 64.6 0.0 129.6



#28

Bromochloromethane

Concen: 51.679 ug/l

RT: 6.89 min Scan# 1647

Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

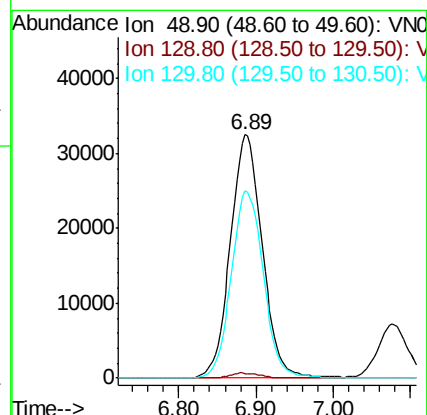
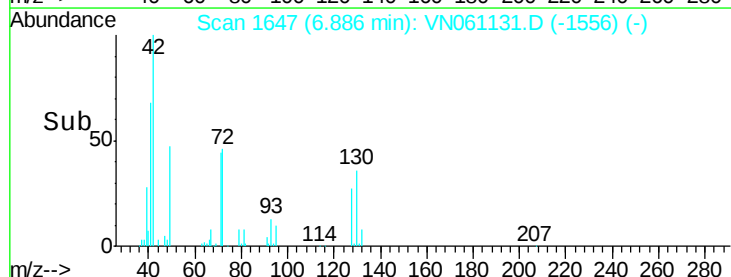
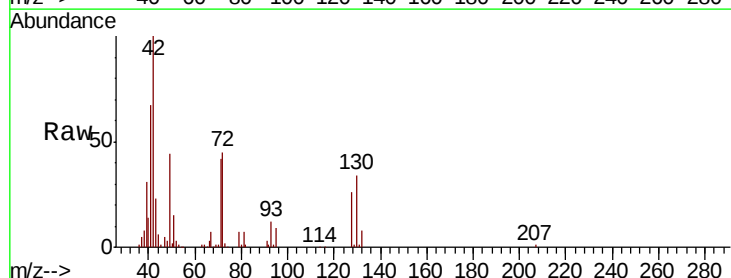
Tgt Ion: 49 Resp: 93091

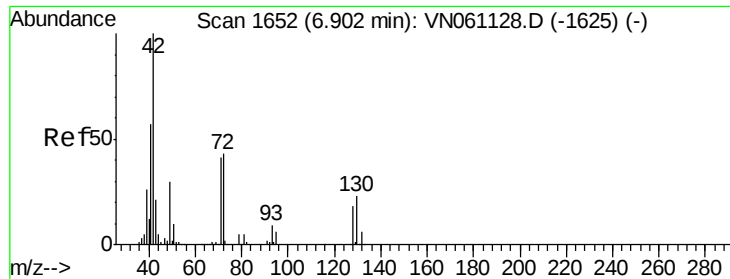
Ion Ratio Lower Upper

49 100

129 1.9 0.0 2.2

130 77.0 59.7 89.5

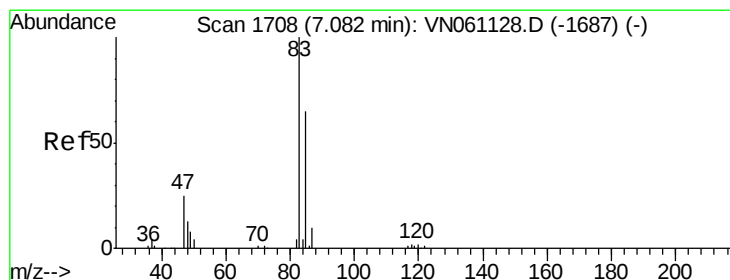
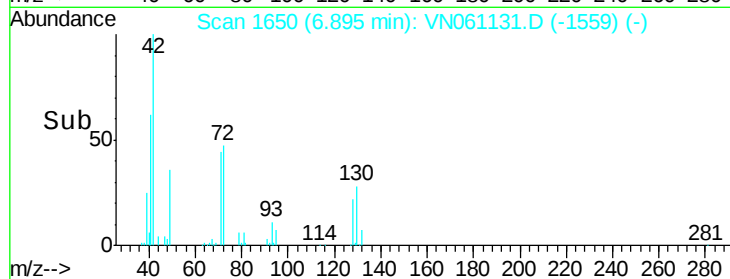
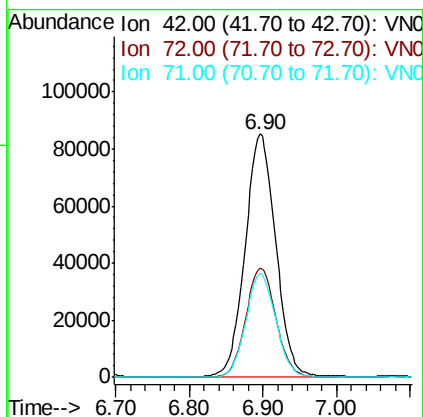
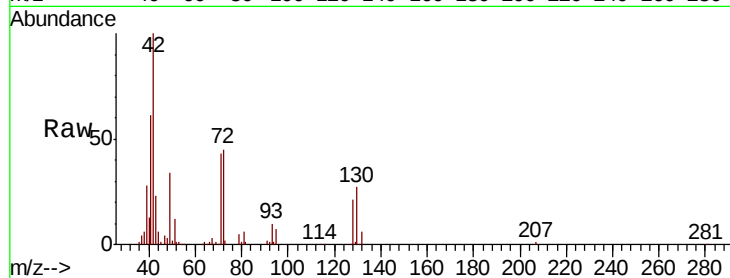




#29
Tetrahydrofuran
Concen: 240.696 ug/l
RT: 6.90 min Scan# 1650
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

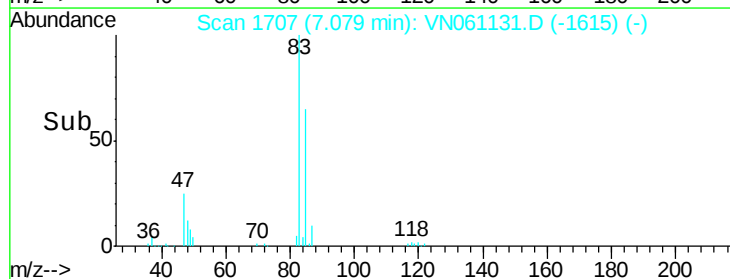
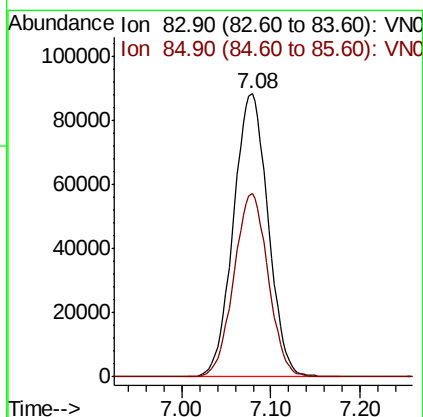
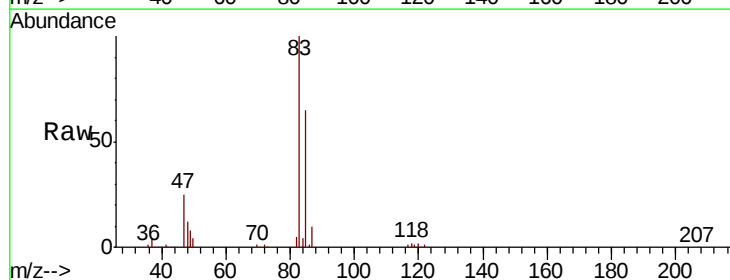
Instrument :
MSVOA_V
ClientSampled :

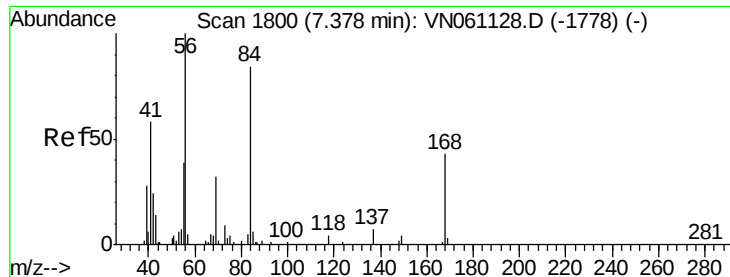
Tot Ion: 42 Resp: 248002
Ion Ratio Lower Upper
42 100
72 44.0 35.1 52.7
71 41.8 33.0 49.6



#30
Chloroform
Concen: 56.297 ug/l
RT: 7.08 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion: 83 Resp: 238685
Ion Ratio Lower Upper
83 100
85 64.7 52.2 78.4

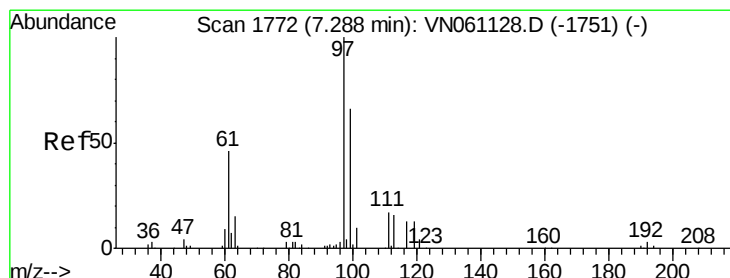
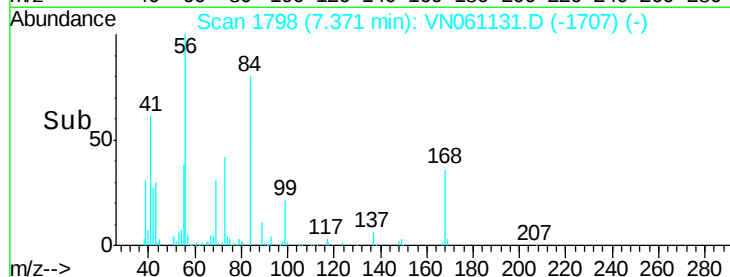
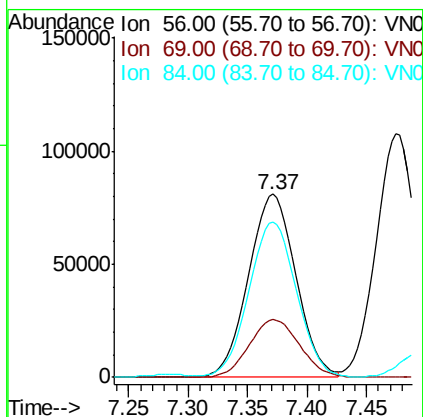
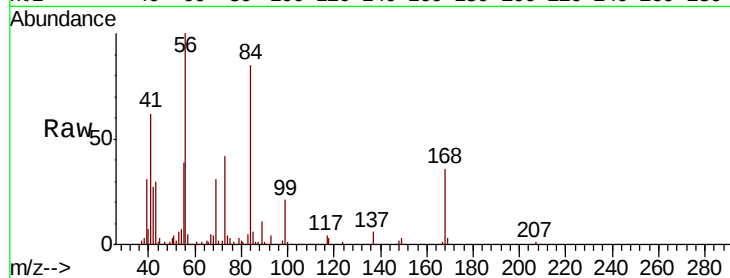




#31
Cvclohexane
Concen: 53.019 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

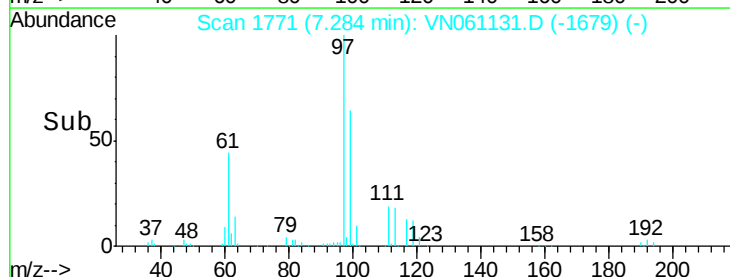
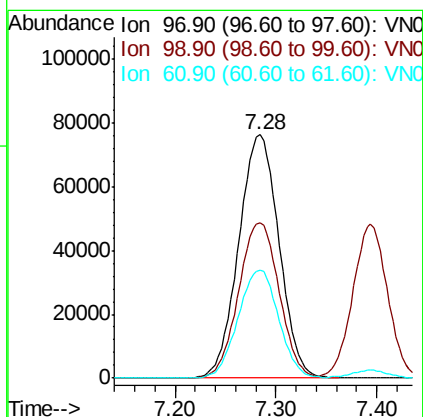
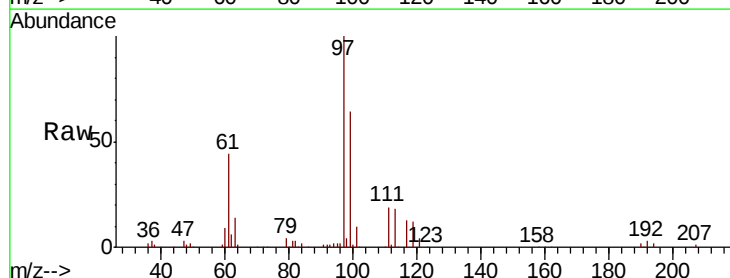
Instrument :
MSVOA_V
ClientSampleId :

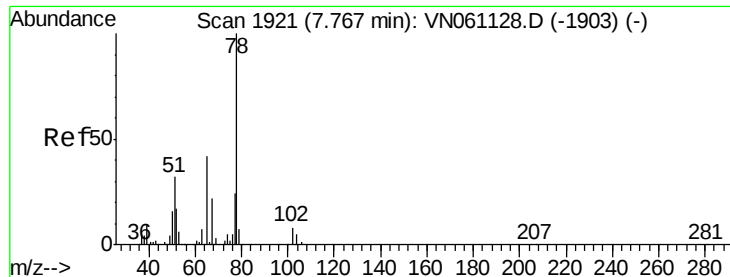
Tot Ion: 56 Resp: 223550
Ion Ratio Lower Upper
56 100
69 31.3 25.9 38.9
84 83.7 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 55.939 ug/l
RT: 7.28 min Scan# 1771
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion: 97 Resp: 211519
Ion Ratio Lower Upper
97 100
99 64.3 52.0 78.0
61 44.9 35.9 53.9

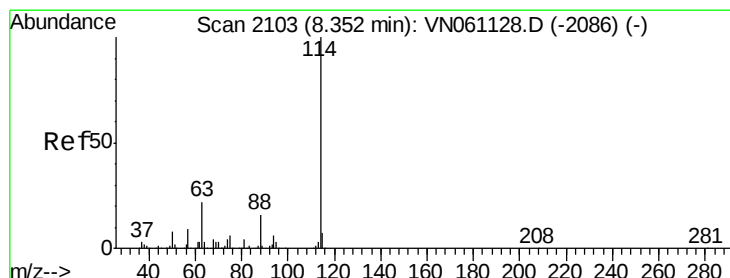
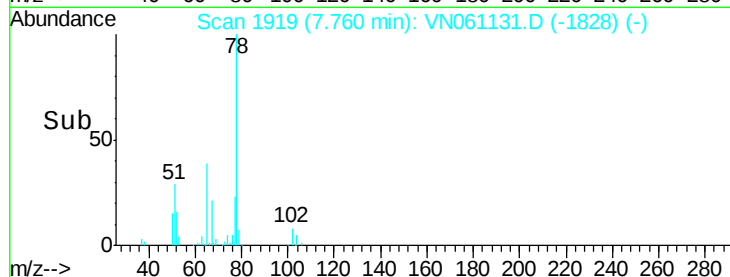
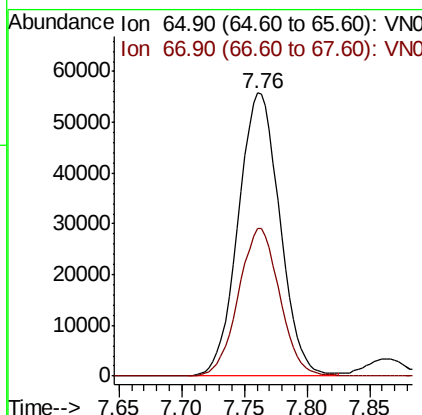
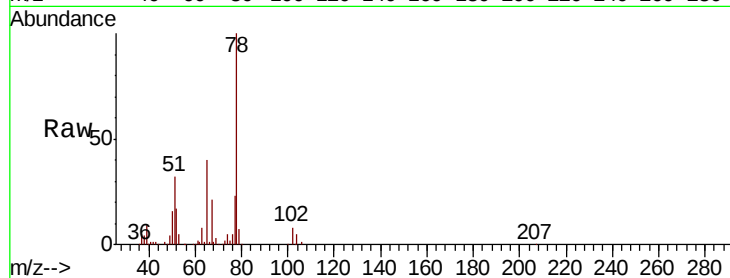




#33
 1,2-Dichloroethane-d4
 Concen: 46.948 ug/l
 RT: 7.76 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

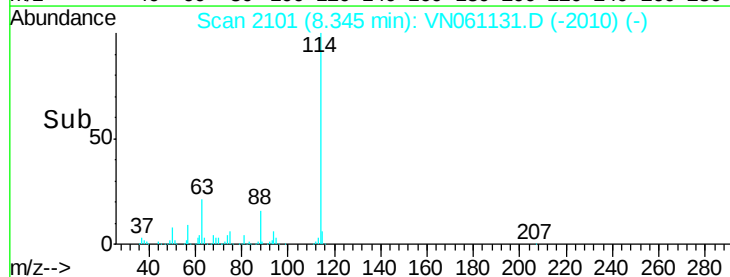
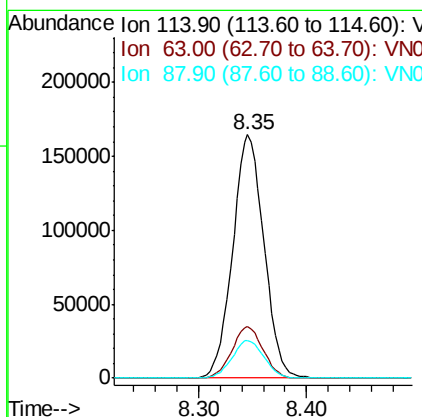
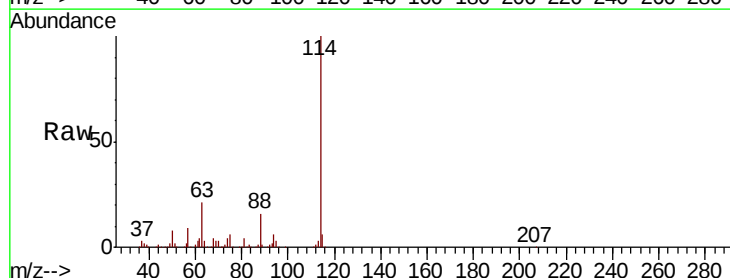
Instrument :
 MSVOA_V
 ClientSampleId :

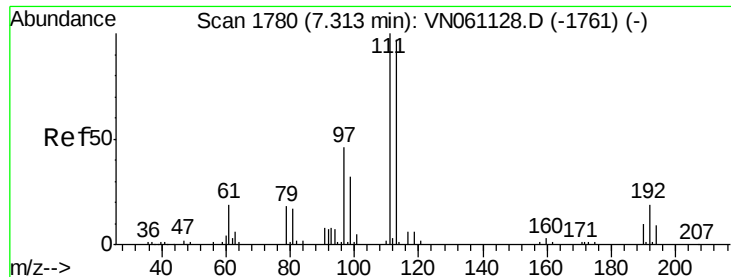
Tot Ion: 65 Resp: 128940
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.35 min Scan# 2101
 Delta R.T. -0.01 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion: 114 Resp: 332109
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.2
 88 15.6 0.0 32.4

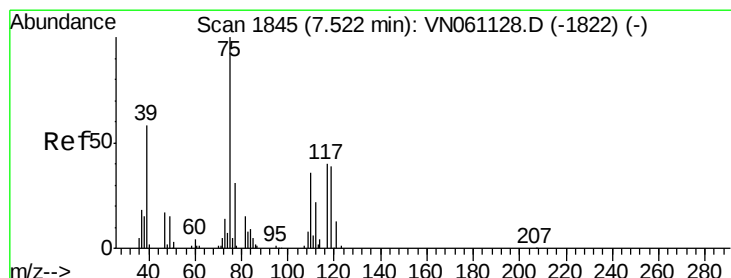
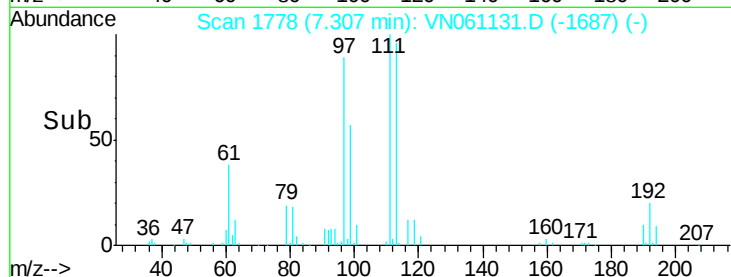
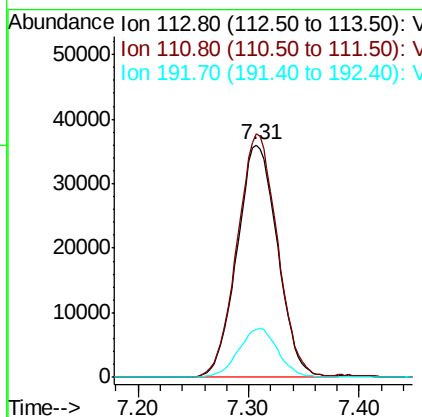
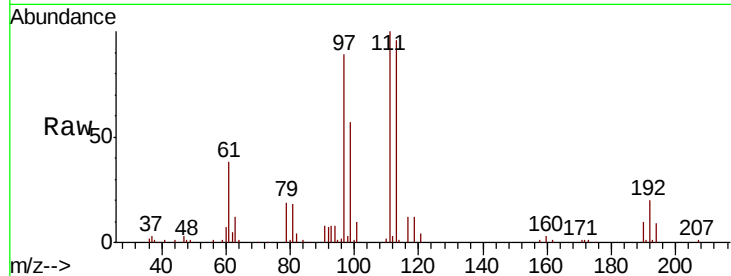




#35
 Dibromofluoromethane
 Concen: 48.497 ug/l
 RT: 7.31 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

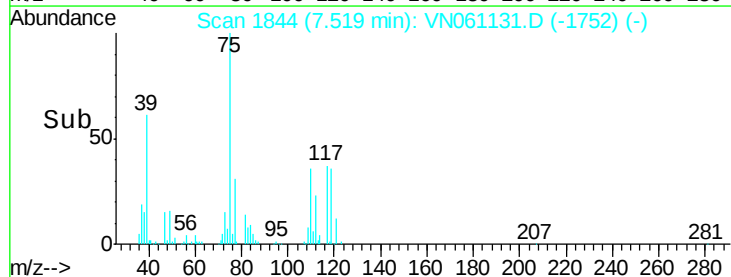
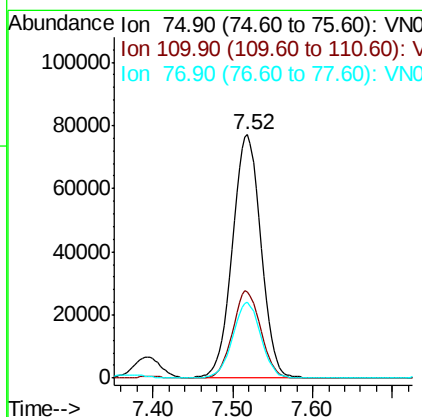
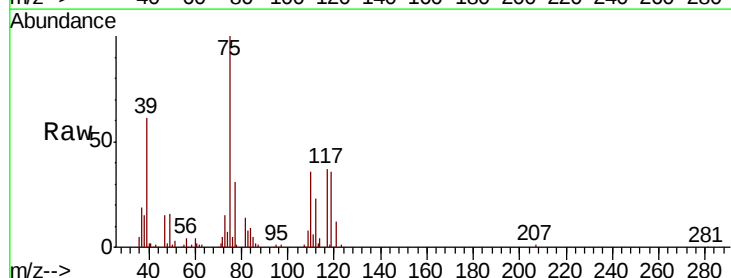
Instrument :
 MSVOA_V
 ClientSampleId :

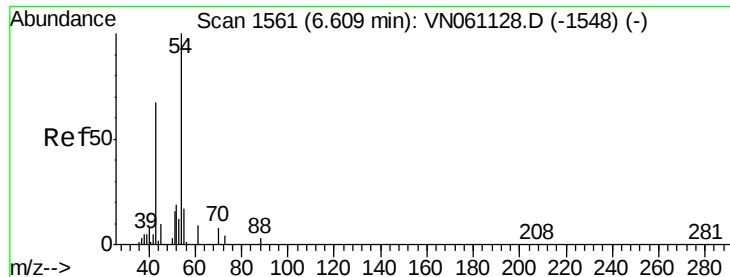
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.0	124.6
192	20.4	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 56.865 ug/l
 RT: 7.52 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.7	53.1
77	30.9	24.8	37.2

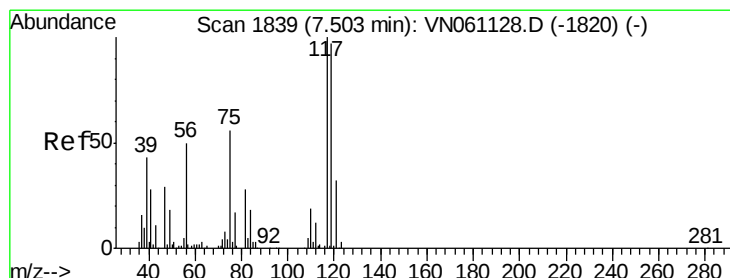
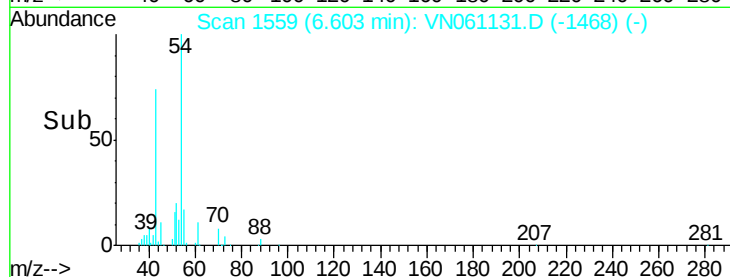
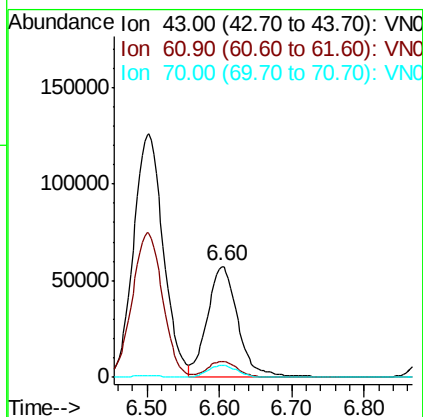
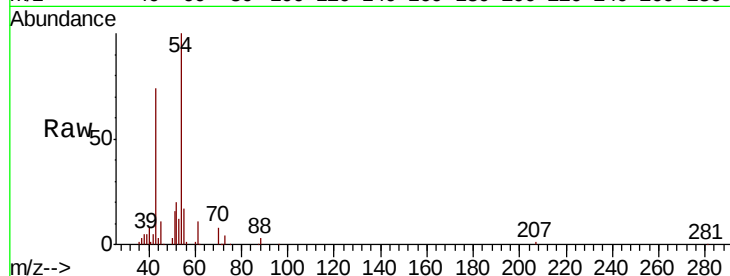




#37
Ethyl Acetate
Concen: 51.170 ug/l
RT: 6.60 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

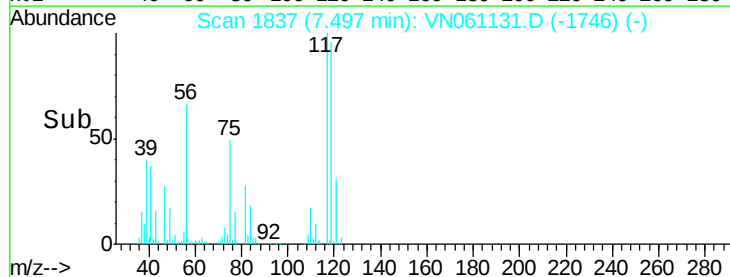
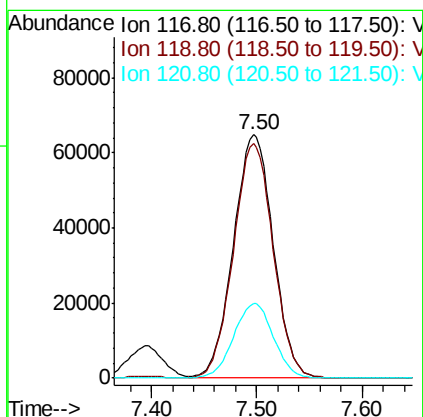
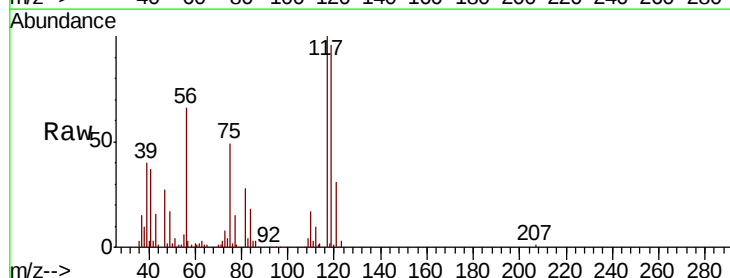
Instrument :
MSVOA_V
ClientSampleId :

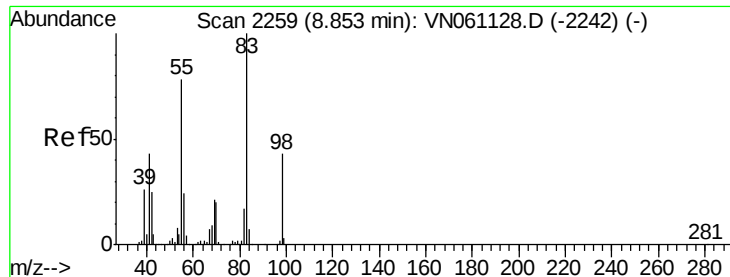
Tot Ion: 43 Resp: 166458
Ion Ratio Lower Upper
43 100
61 14.4 11.4 17.0
70 10.5 8.2 12.4



#38
Carbon Tetrachloride
Concen: 59.763 ug/l
RT: 7.50 min Scan# 1837
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion: 117 Resp: 169815
Ion Ratio Lower Upper
117 100
119 96.3 76.9 115.3
121 30.6 25.0 37.6

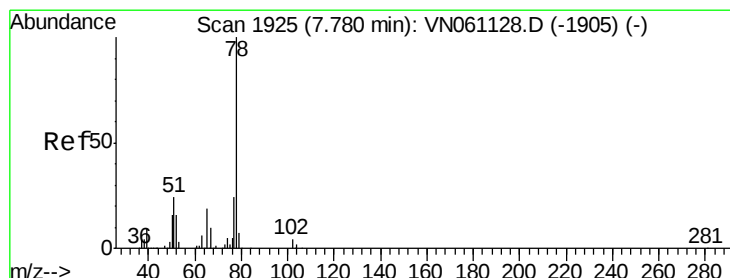
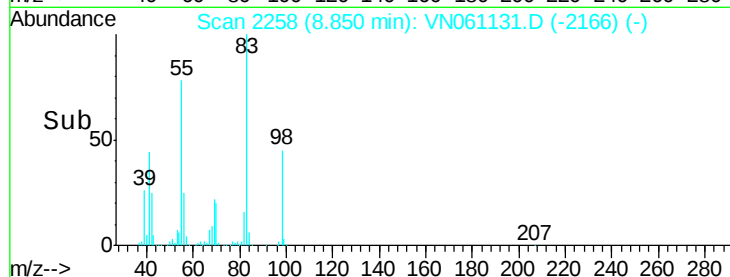
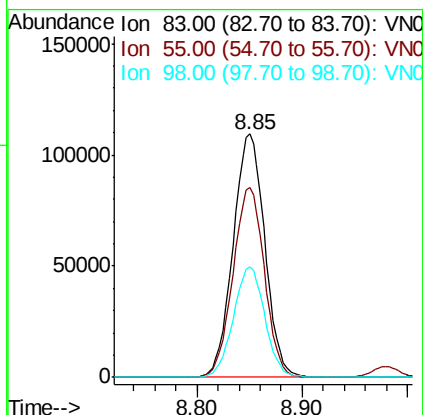
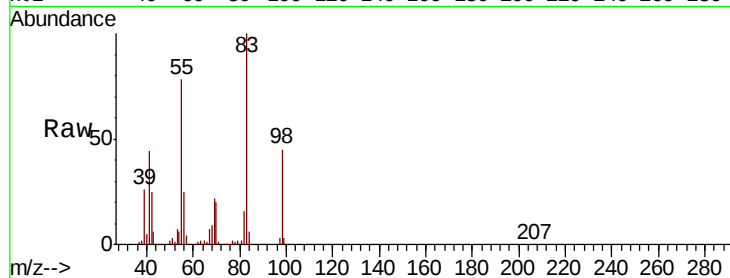




#39
Methvlcvclohexane
Concen: 57.384 ug/l
RT: 8.85 min Scan# 2258
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

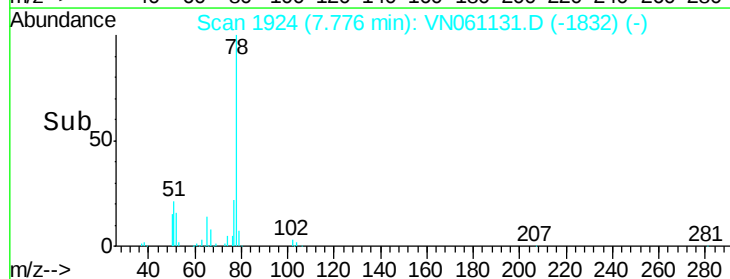
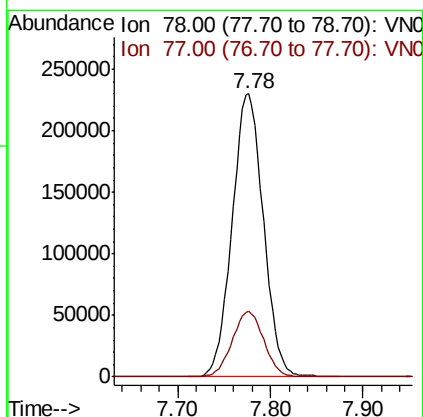
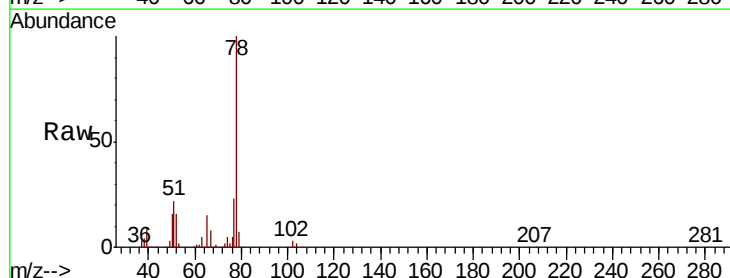
Instrument :
MSVOA_V
ClientSampled :

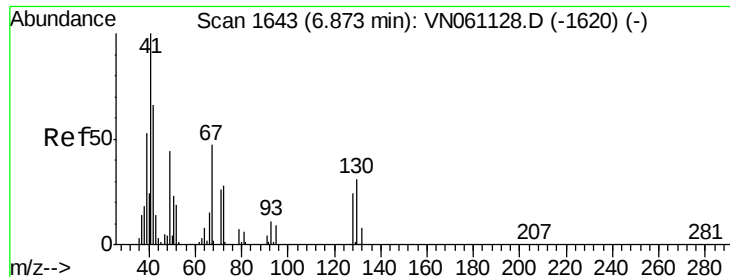
Tot Ion: 83 Resp: 227728
Ion Ratio Lower Upper
83 100
55 78.1 62.2 93.4
98 45.3 34.7 52.1



#40
Benzene
Concen: 55.875 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion: 78 Resp: 536997
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.6

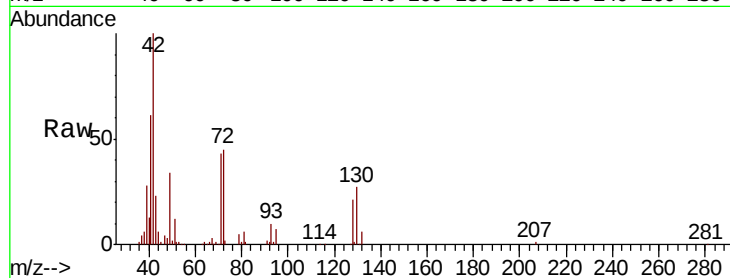




#41
Methacrylonitrile
Concen: 150.683 ug/l
RT: 6.90 min Scan# 1650
Delta R.T. 0.02 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	41	Resp:	232715
Ion	Ratio	Lower	Upper
41	100		
39	0.0	119.4	179.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



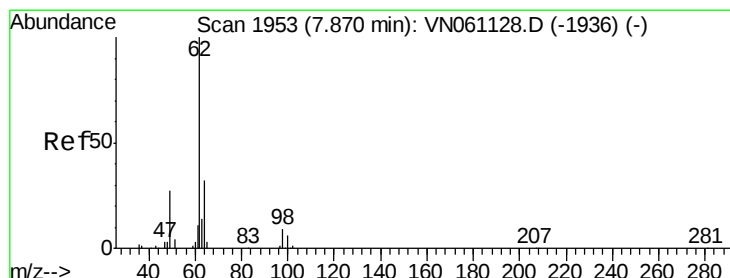
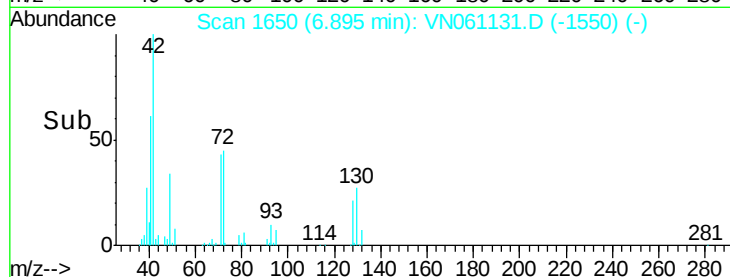
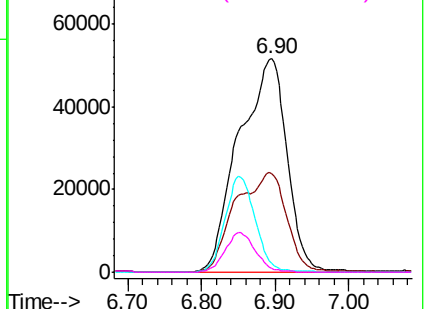
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

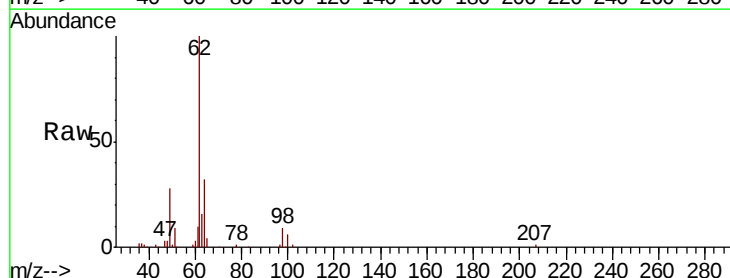
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 55.607 ug/l
RT: 7.86 min Scan# 1951
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

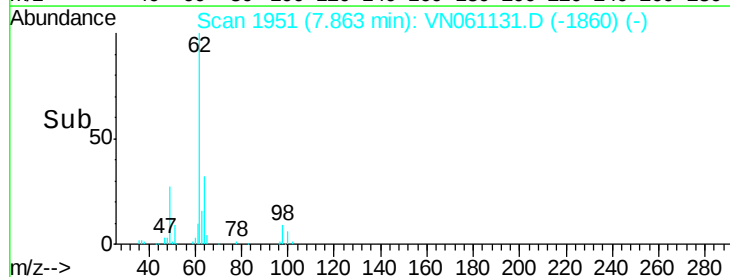
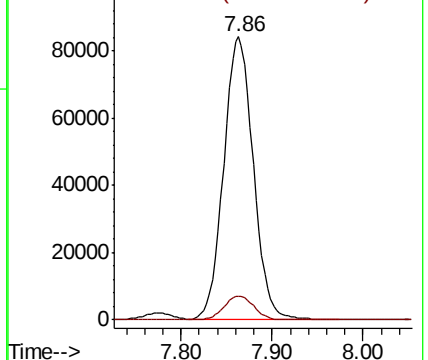
Tgt Ion:	62	Resp:	190427
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0

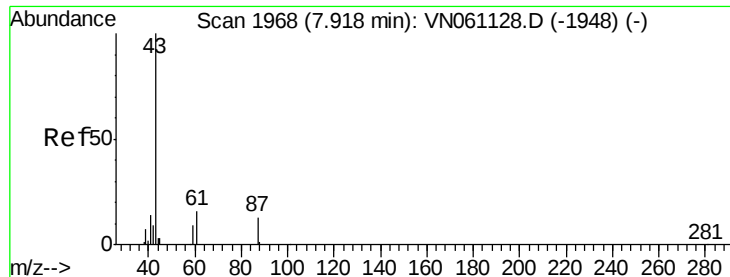


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 52.445 ug/l

RT: 7.91 min Scan# 1966

Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

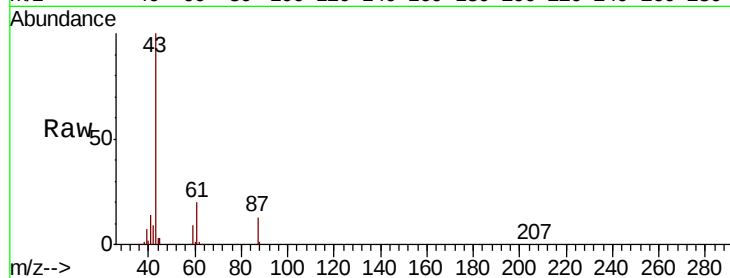
Tot Ion: 43 Resp: 289759

Ion Ratio Lower Upper

43 100

61 19.9 15.5 23.3

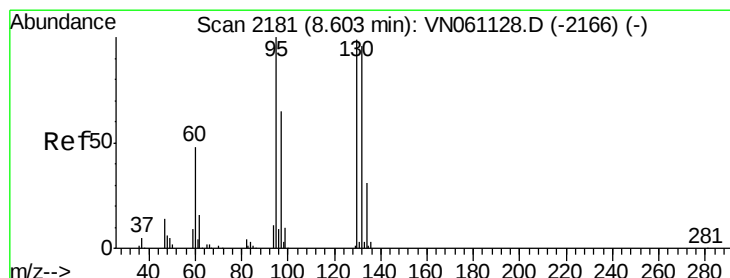
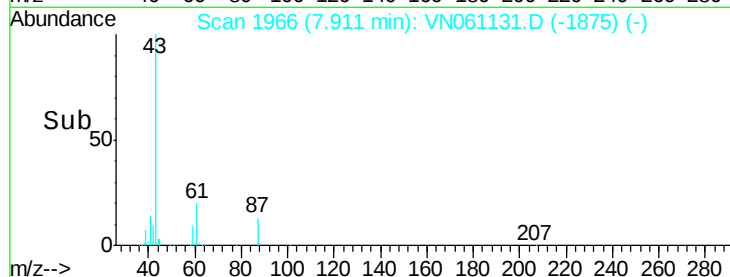
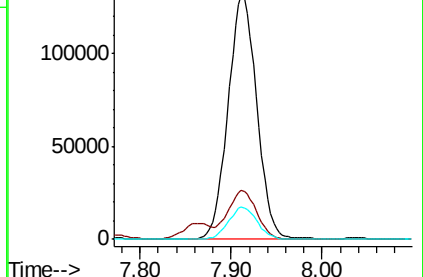
87 13.0 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VN061128.D (-1948) (-)

Ion 61.00 (60.70 to 61.70): VN061128.D (-1948) (-)

Ion 87.00 (86.70 to 87.70): VN061128.D (-1948) (-)



#44

Trichloroethene

Concen: 55.614 ug/l

RT: 8.60 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VN061131.D

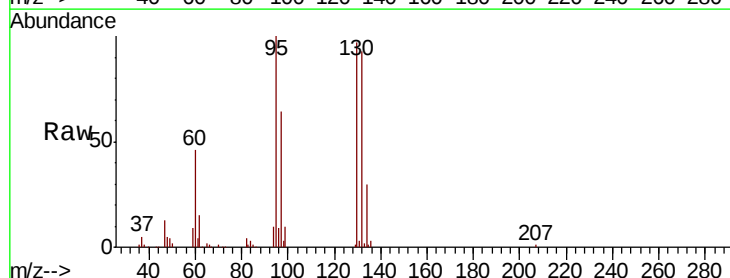
Acq: 22 Apr 2020 15:51

Tgt Ion: 130 Resp: 155398

Ion Ratio Lower Upper

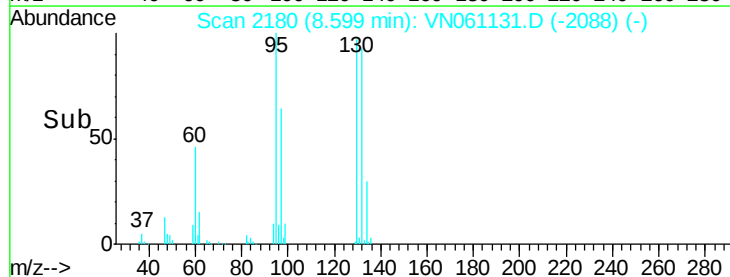
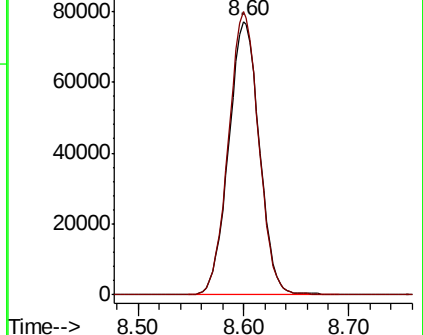
130 100

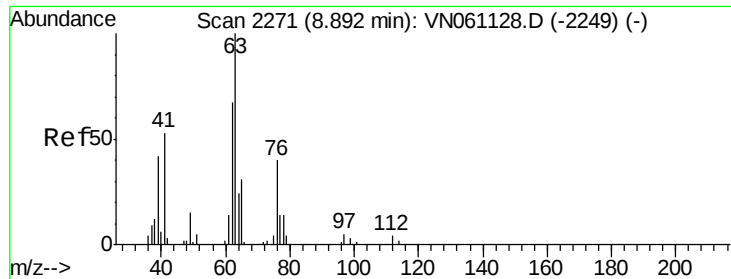
95 103.6 0.0 202.6



Abundance Ion 129.80 (129.50 to 130.50): VN061128.D (-2166) (-)

Ion 94.90 (94.60 to 95.60): VN061128.D (-2166) (-)

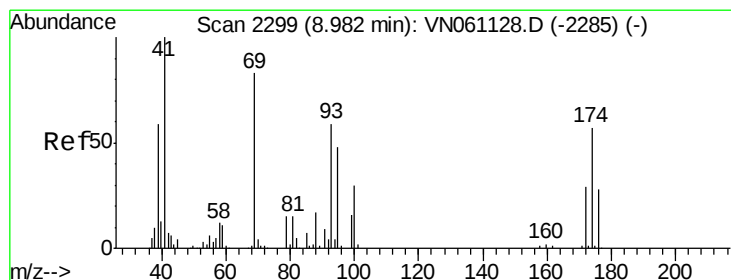
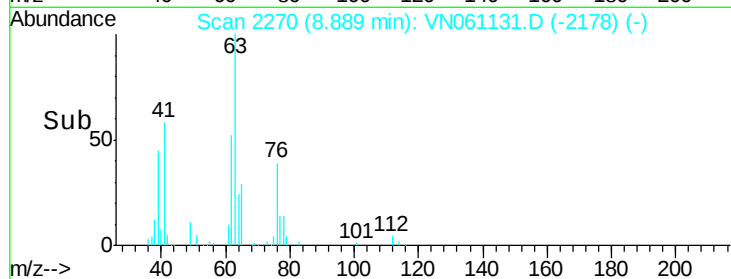
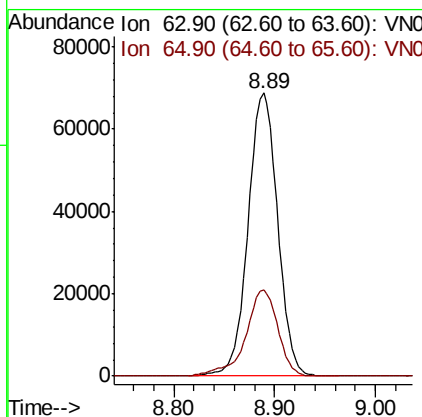
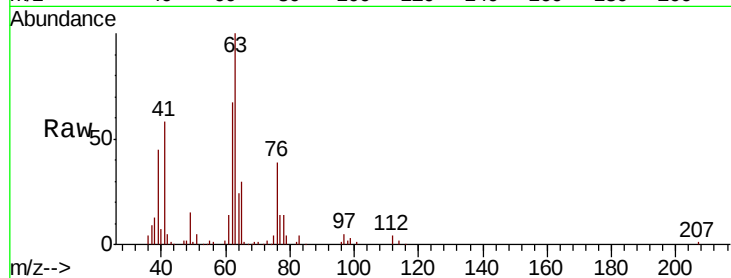




#45
 1,2-Dichloropropane
 Concen: 54.796 ug/l
 RT: 8.89 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

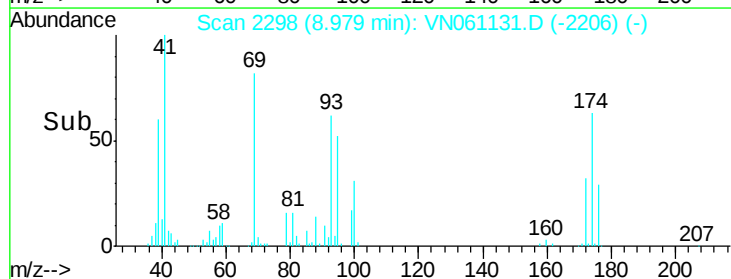
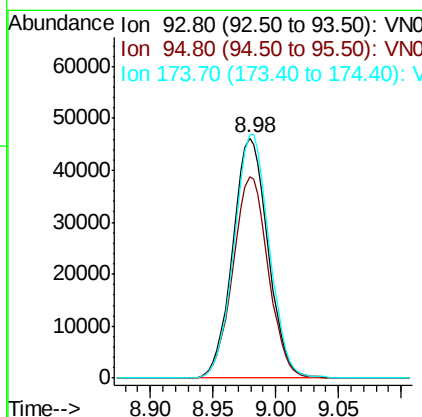
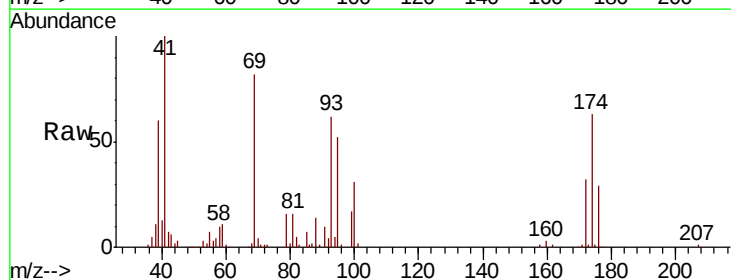
Instrument :
 MSVOA_V
 ClientSampleId :

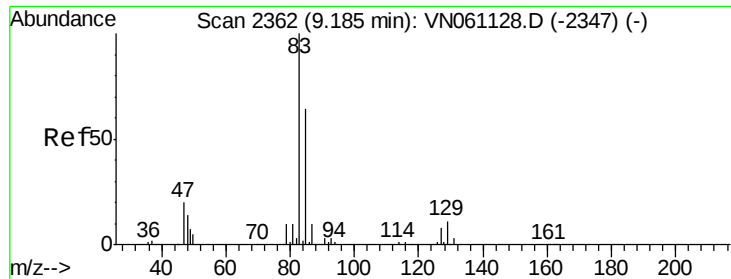
Tot Ion: 63 Resp: 139333
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1



#46
 Dibromomethane
 Concen: 55.459 ug/l
 RT: 8.98 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion: 93 Resp: 90367
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.0 97.4
 174 101.3 77.8 116.6





#47

Bromodichloromethane

Concen: 58.298 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_V
ClientSampleId :

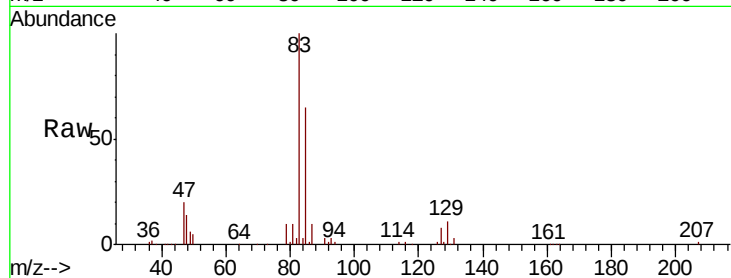
Tot Ion: 83 Resp: 187249

Ion Ratio Lower Upper

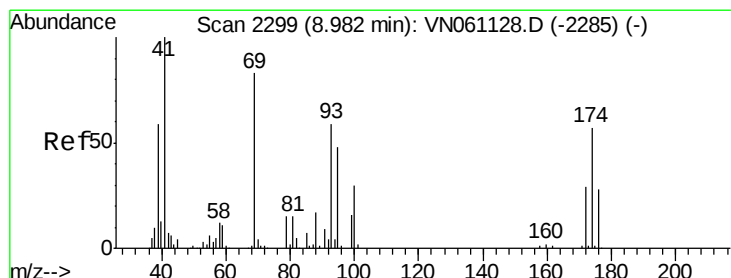
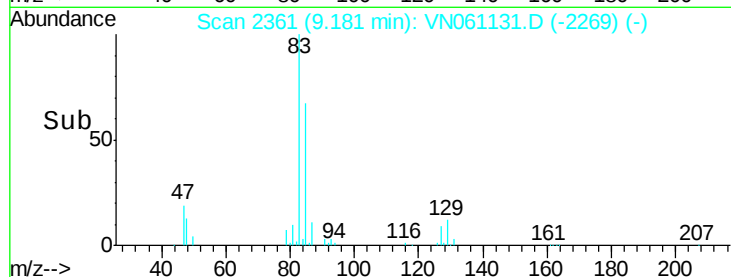
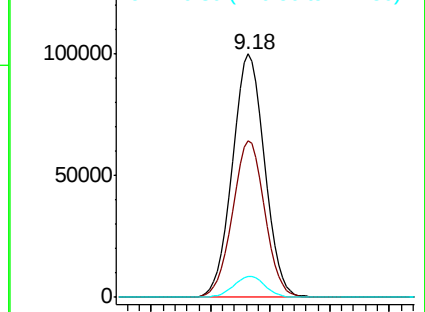
83 100

85 64.5 51.4 77.2

127 8.4 6.6 10.0



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



#48

Methyl methacrylate

Concen: 51.306 ug/l

RT: 8.98 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

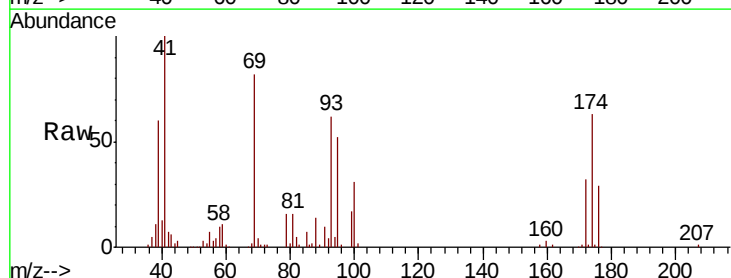
Tgt Ion: 41 Resp: 133467

Ion Ratio Lower Upper

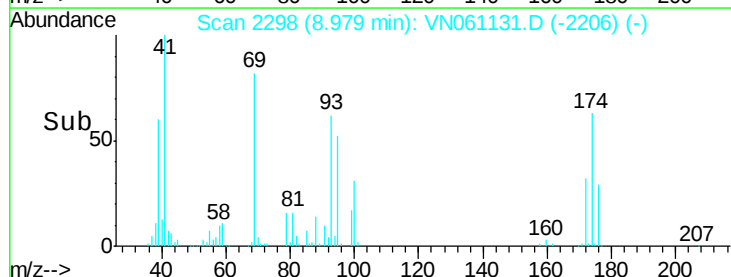
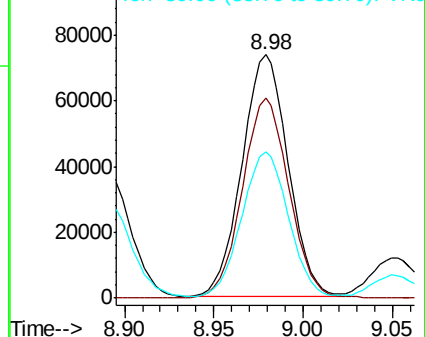
41 100

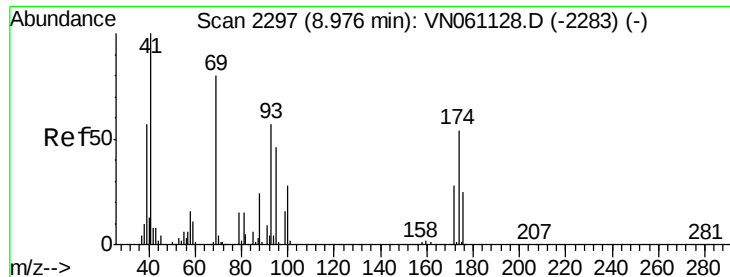
69 83.3 65.4 98.2

39 61.7 47.8 71.6



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





#49

1,4-Dioxane

Concen: 920.504 ug/l

RT: 8.97 min Scan# 2295

Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_V
ClientSampled :

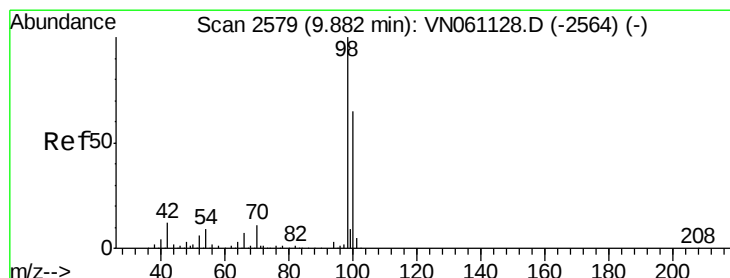
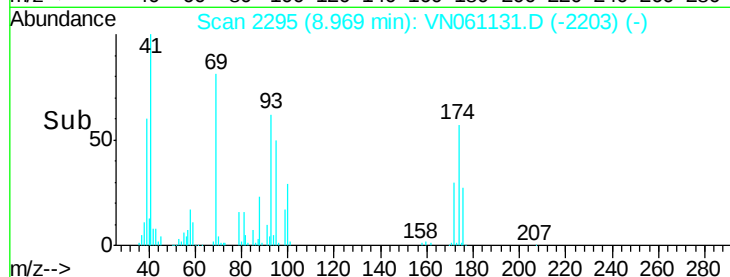
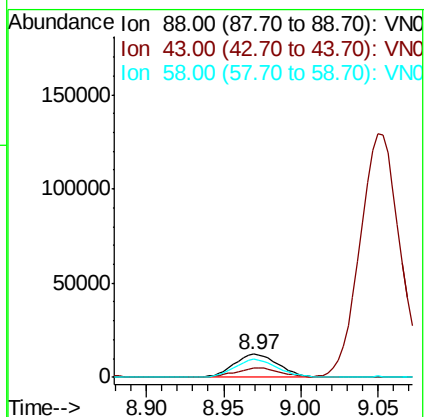
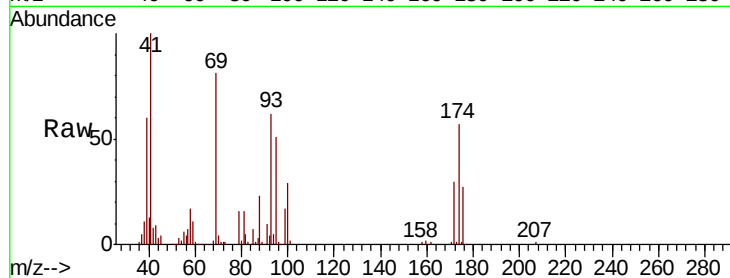
Tot Ion: 88 Resp: 24969

Ion Ratio Lower Upper

88 100

43 39.8 29.0 43.4

58 73.2 57.8 86.6



#50

Toluene-d8

Concen: 47.889 ug/l

RT: 9.88 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN061131.D

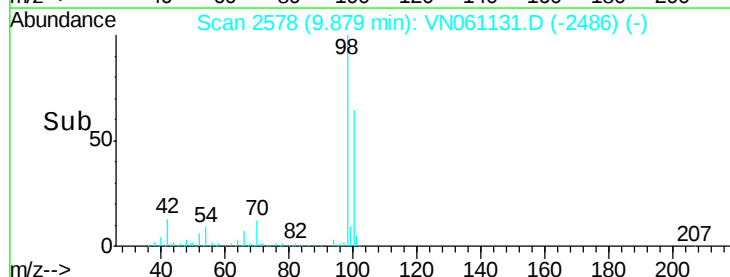
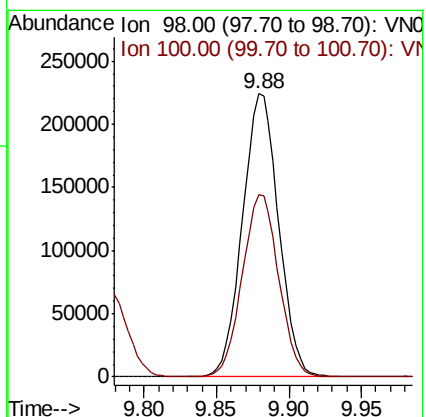
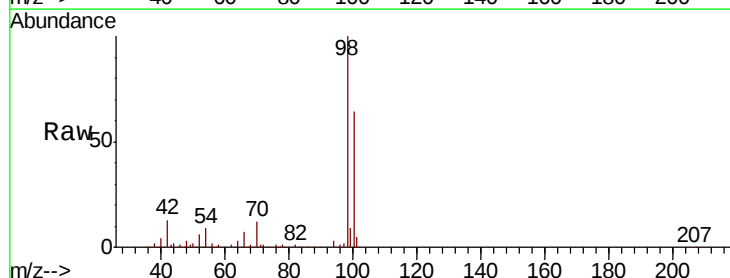
Acq: 22 Apr 2020 15:51

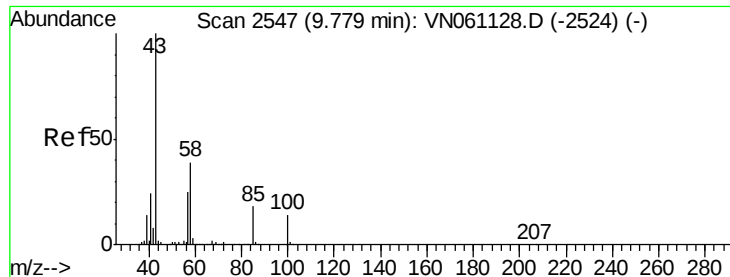
Tgt Ion: 98 Resp: 388936

Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.6

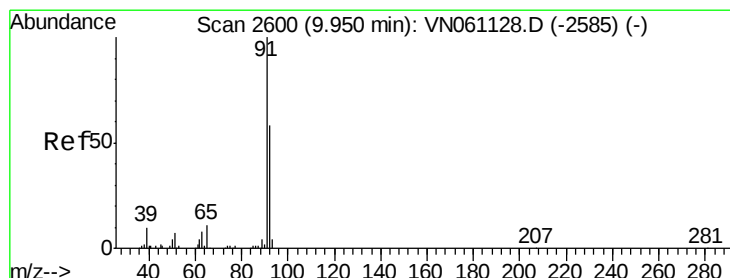
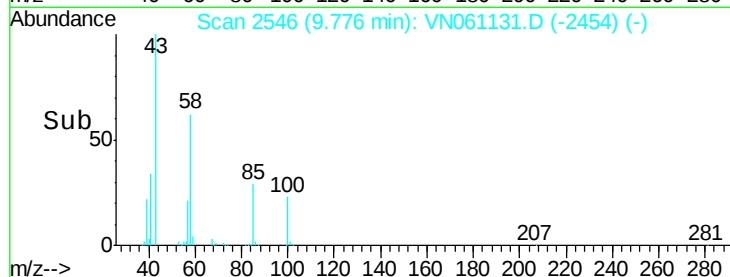
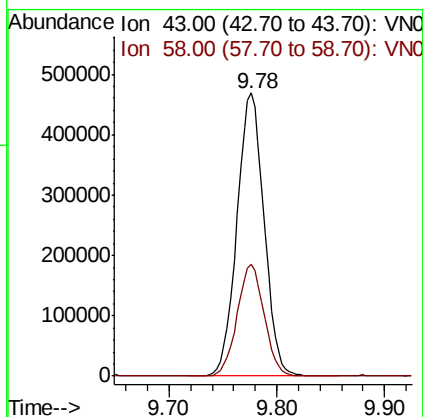
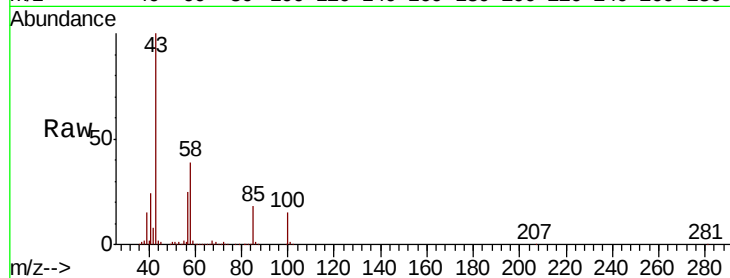




#51
 4-Methyl-2-Pentanone
 Concen: 254.152 ug/l
 RT: 9.78 min Scan# 2546
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

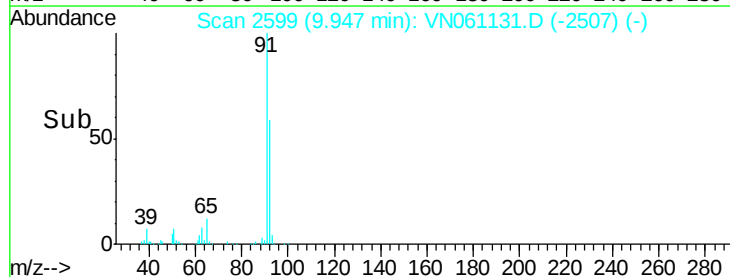
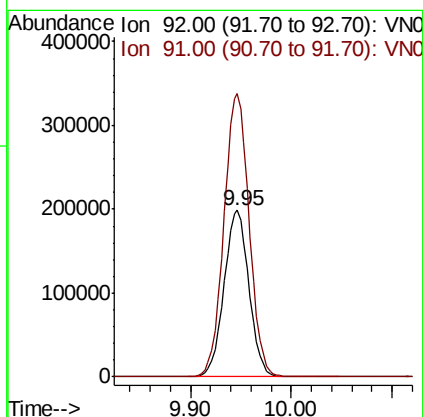
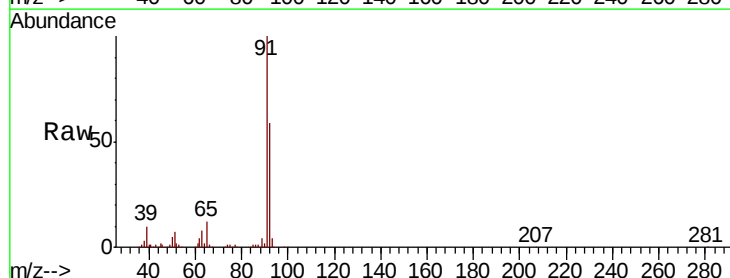
Instrument :
 MSVOA_V
 ClientSampled :

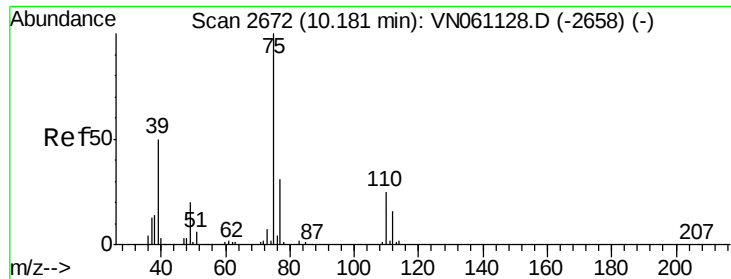
Tot Ion: 43 Resp: 819582
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.0 46.6



#52
 Toluene
 Concen: 56.906 ug/l
 RT: 9.95 min Scan# 2599
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion: 92 Resp: 342377
 Ion Ratio Lower Upper
 92 100
 91 172.3 138.3 207.5

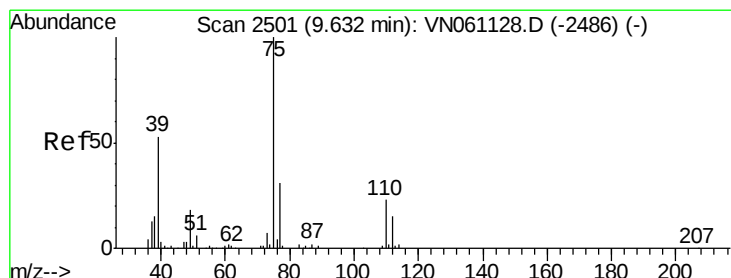
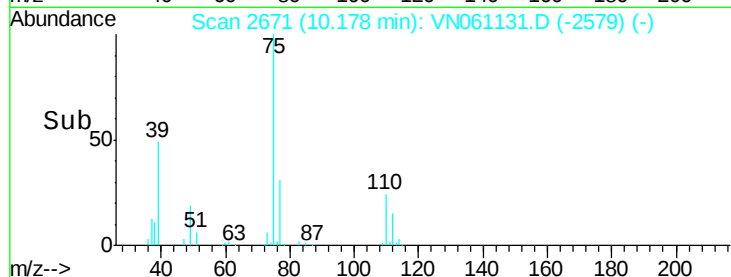
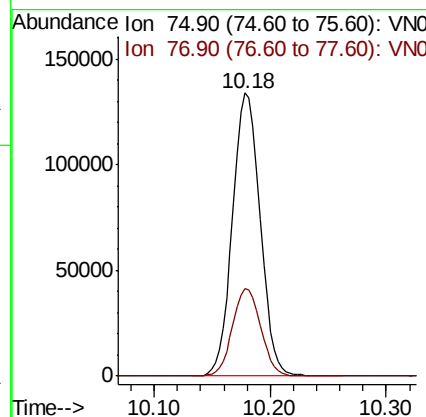
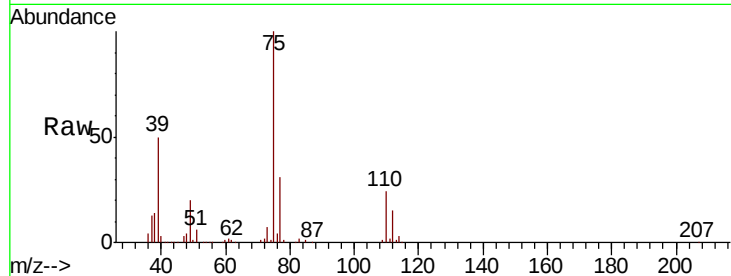




#53
 t-1,3-Dichloropropene
 Concen: 56.321 ug/l
 RT: 10.18 min Scan# 2671
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

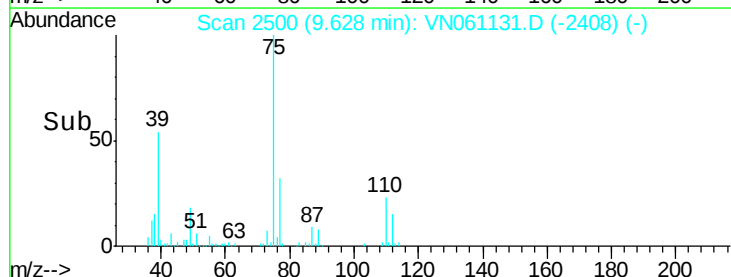
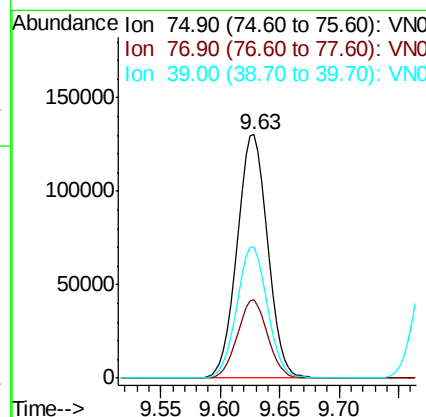
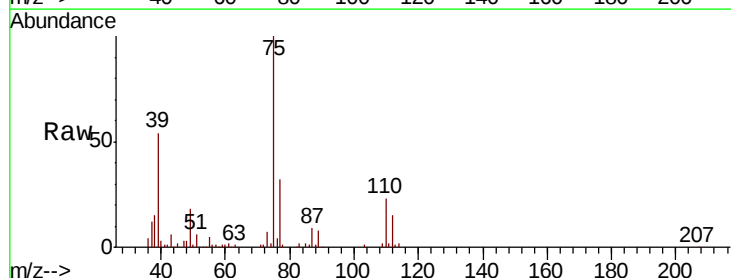
Instrument :
 MSVOA_V
 ClientSampled :

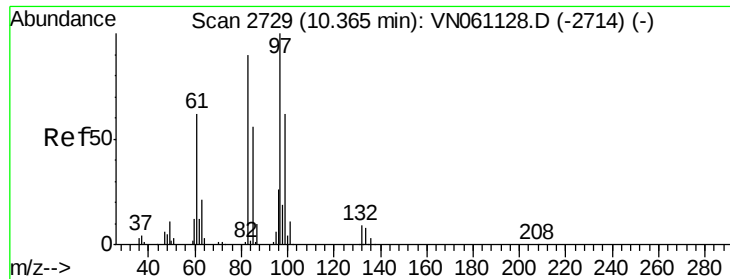
Tot Ion: 75 Resp: 221365
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 56.913 ug/l
 RT: 9.63 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion: 75 Resp: 232711
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.2 37.8
 39 53.7 42.1 63.1

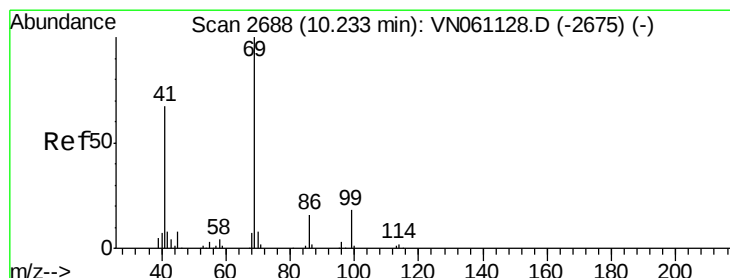
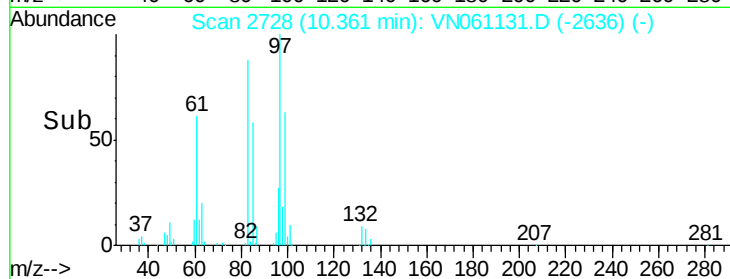
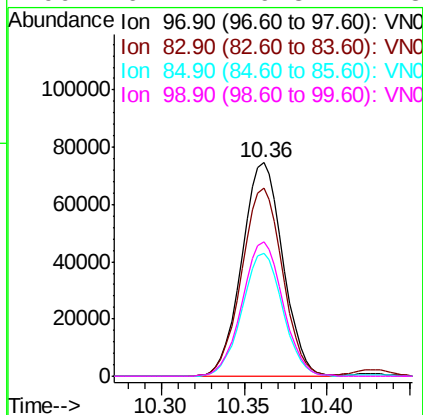
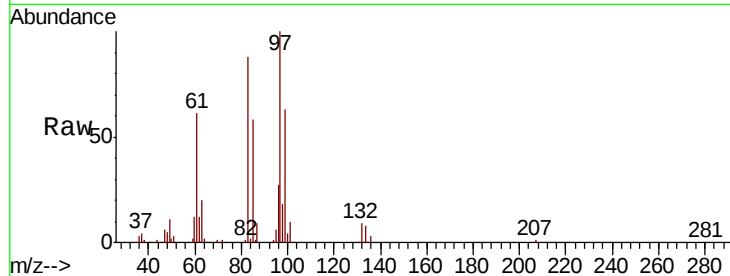




#55
 1,1,2-Trichloroethane
 Concen: 55.360 ug/l
 RT: 10.36 min Scan# 2728
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

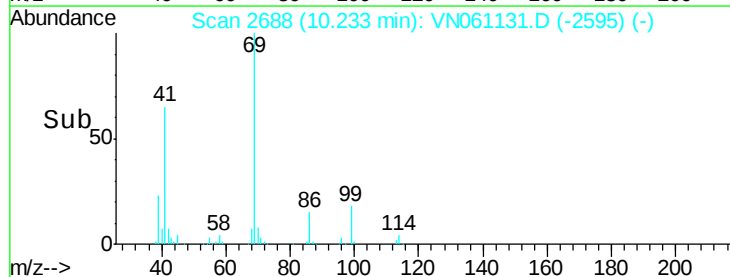
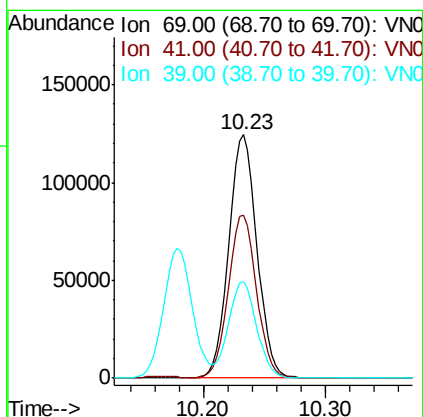
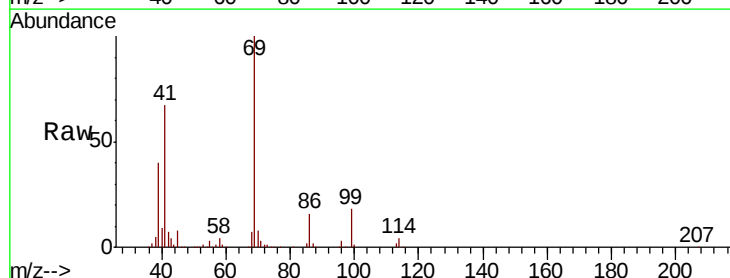
Instrument :
 MSVOA_V
 ClientSampleId :

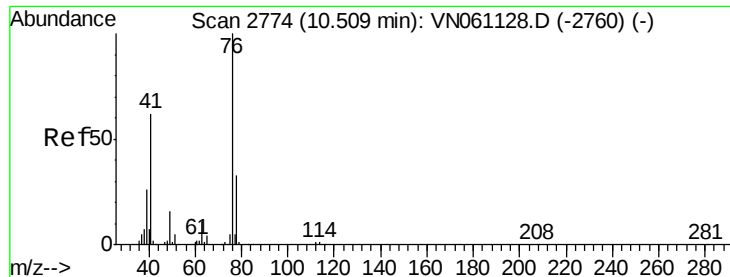
Tot Ion	97	Resp	128331
Ion	Ratio	Lower	Upper
97	100		
83	87.8	71.8	107.6
85	57.6	45.0	67.6
99	62.7	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 56.869 ug/l
 RT: 10.23 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion	69	Resp	200875
Ion	Ratio	Lower	Upper
69	100		
41	66.5	54.0	81.0
39	39.2	31.4	47.0





#57

1,3-Dichloropropane

Concen: 55.316 ug/l

RT: 10.51 min Scan# 2773

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

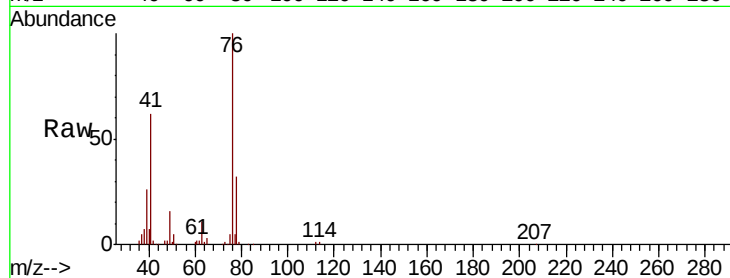
ClientSampled :

Tot Ion: 76 Resp: 217621

Ion Ratio Lower Upper

76 100

78 32.4 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN061131.D (-2681) (-)

Ion 77.90 (77.60 to 78.60): VN061131.D (-2681) (-)

10.51

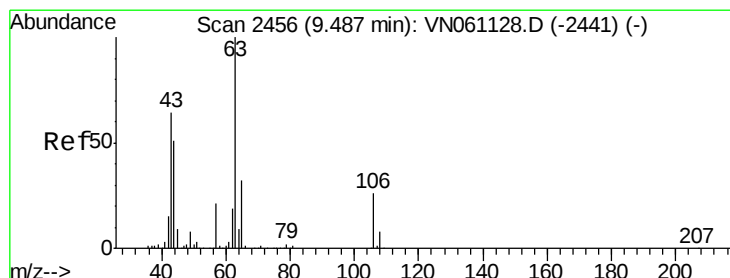
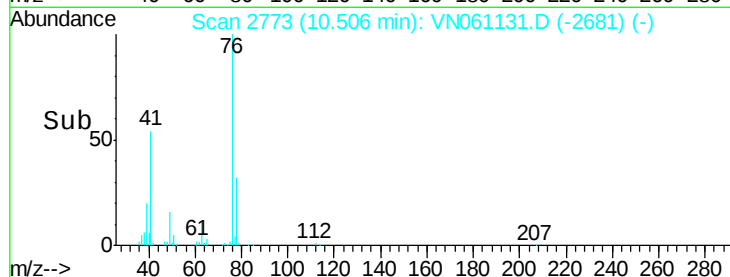
150000

100000

50000

0

Time--> 10.40 10.50 10.60



#58

2-Chloroethyl Vinyl ether

Concen: 268.419 ug/l

RT: 9.48 min Scan# 2455

Delta R.T. -0.00 min

Lab File: VN061131.D

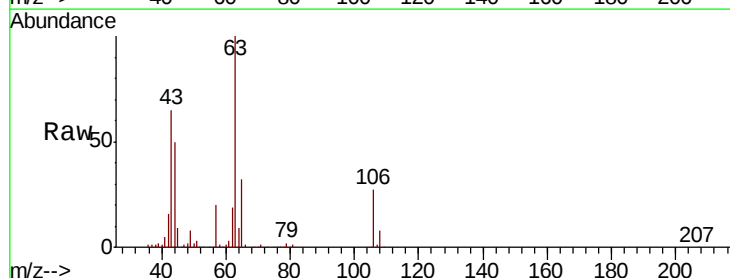
Acq: 22 Apr 2020 15:51

Tgt Ion: 63 Resp: 488854

Ion Ratio Lower Upper

63 100

106 26.7 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VN061131.D (-2363) (-)

Ion 105.90 (105.60 to 106.60): VN061131.D (-2363) (-)

9.48

300000

250000

200000

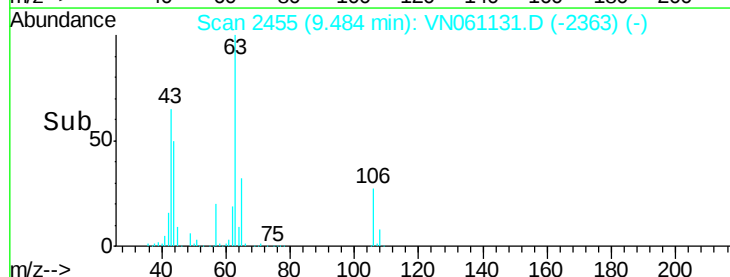
150000

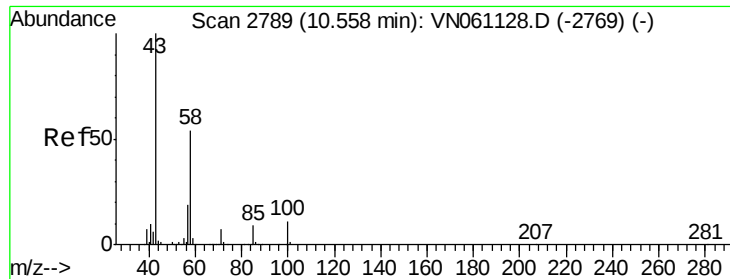
100000

50000

0

Time--> 9.40 9.50 9.60

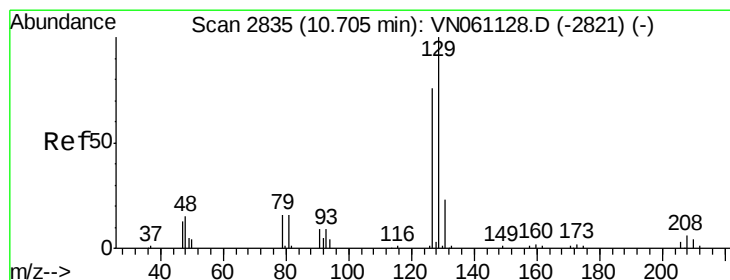
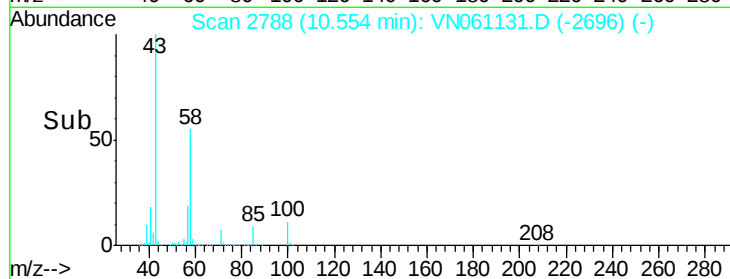
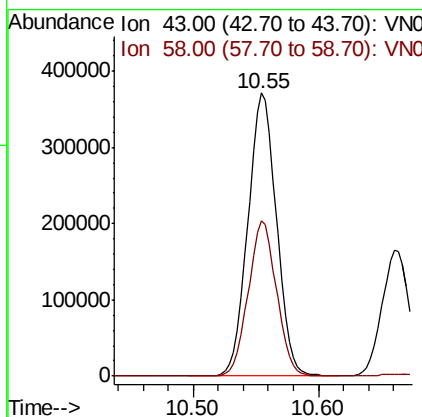
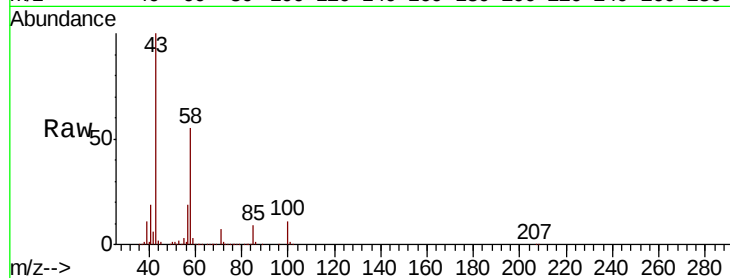




#59
2-Hexanone
Concen: 246.960 ug/l
RT: 10.55 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

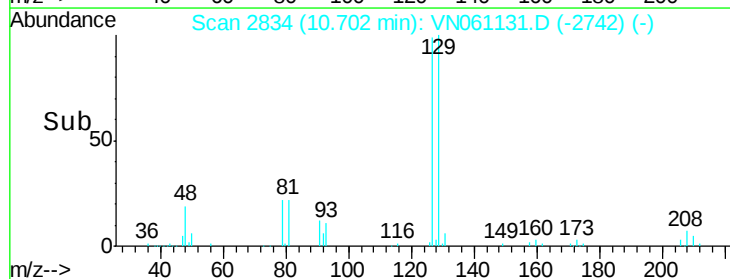
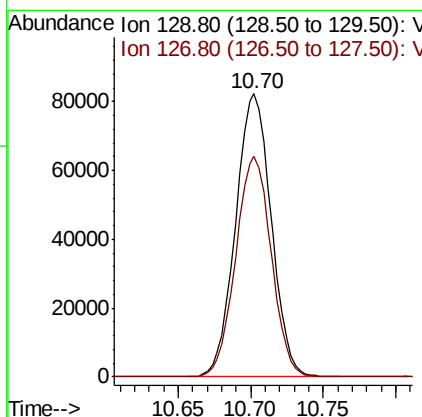
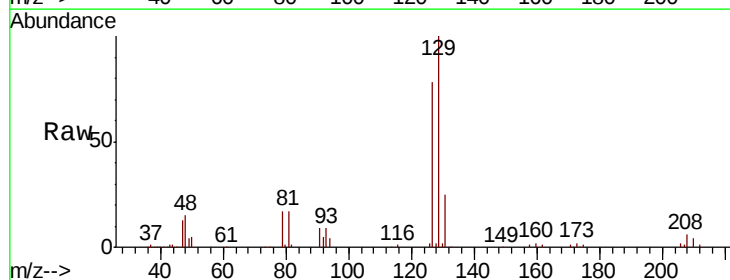
Instrument :
MSVOA_V
ClientSampleId :

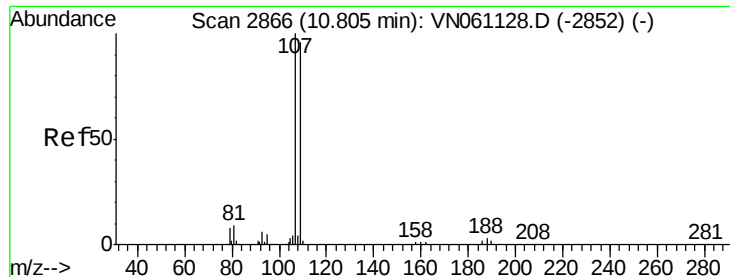
Tot Ion: 43 Resp: 588338
Ion Ratio Lower Upper
43 100
58 54.5 26.9 80.6



#60
Dibromochloromethane
Concen: 58.035 ug/l
RT: 10.70 min Scan# 2834
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion: 129 Resp: 140670
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2

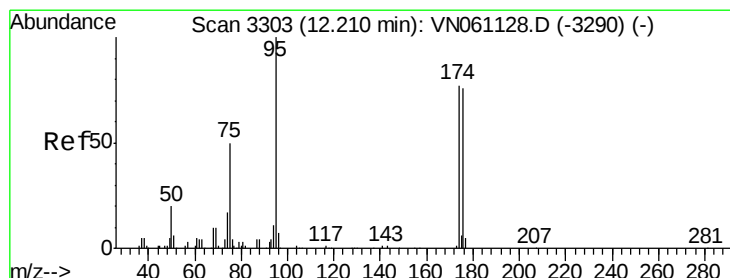
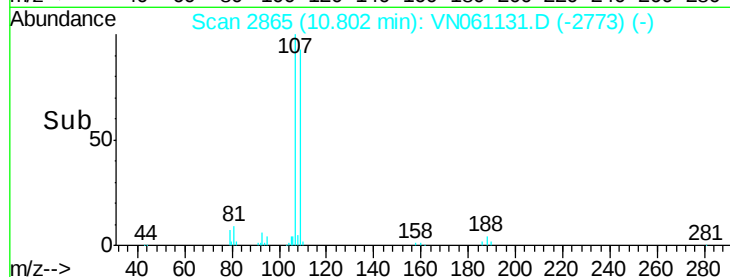
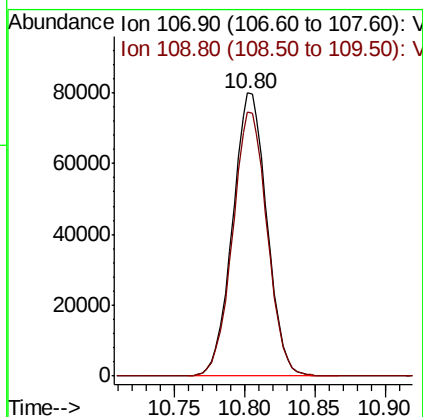
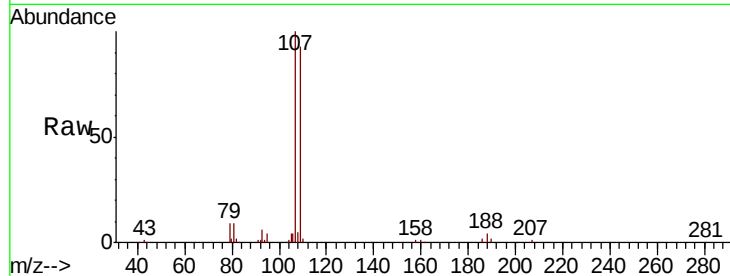




#61
 1,2-Dibromoethane
 Concen: 56.947 ug/l
 RT: 10.80 min Scan# 2865
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

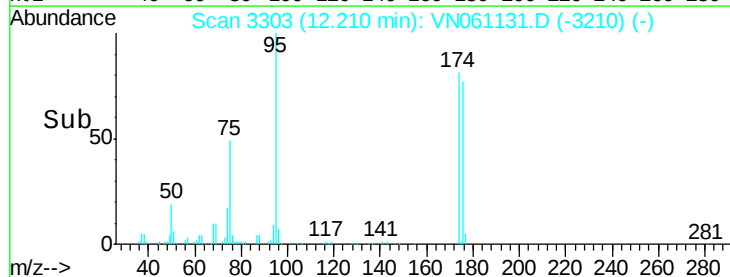
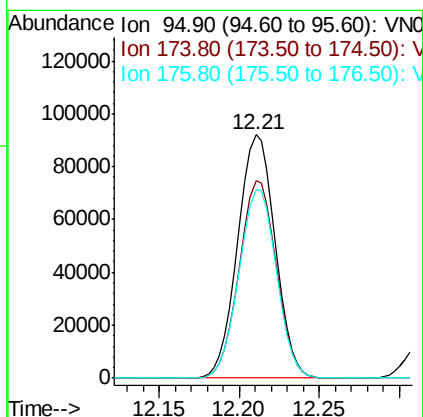
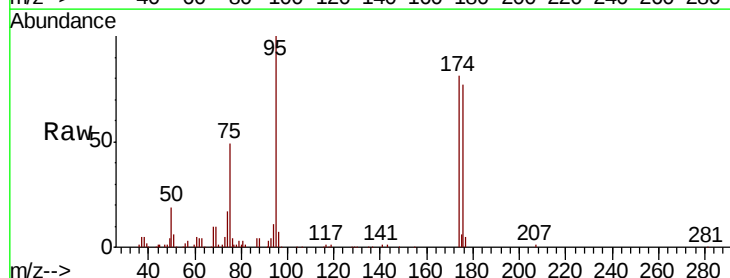
Instrument :
 MSVOA_V
 ClientSampleId :

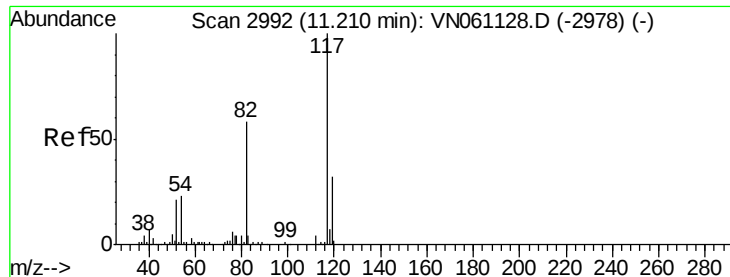
Tot Ion:107 Resp: 136039
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 48.173 ug/l
 RT: 12.21 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion: 95 Resp: 146527
 Ion Ratio Lower Upper
 95 100
 174 80.6 0.0 157.6
 176 77.7 0.0 154.4

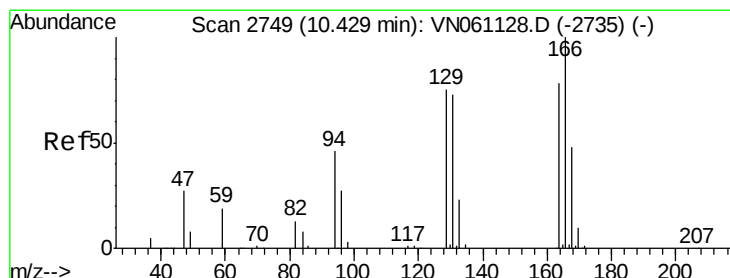
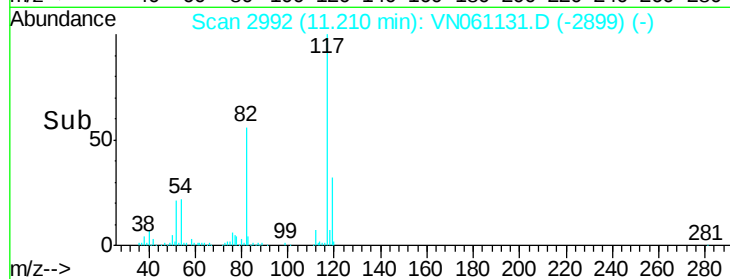
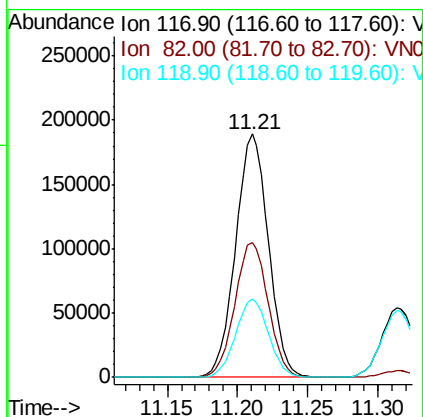
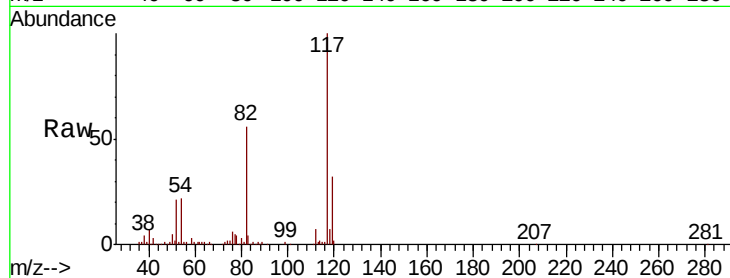




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.21 min Scan# 2992
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

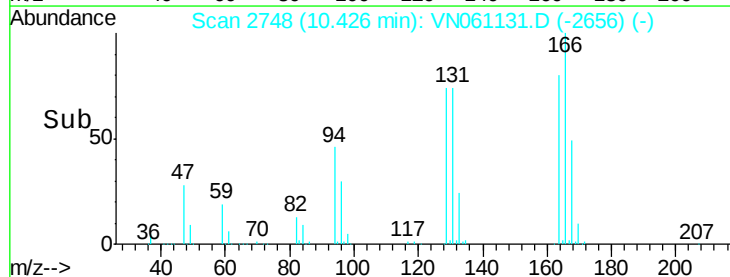
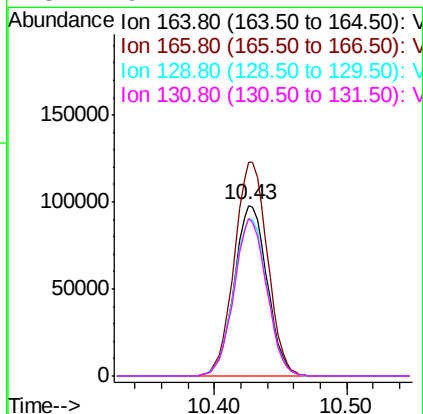
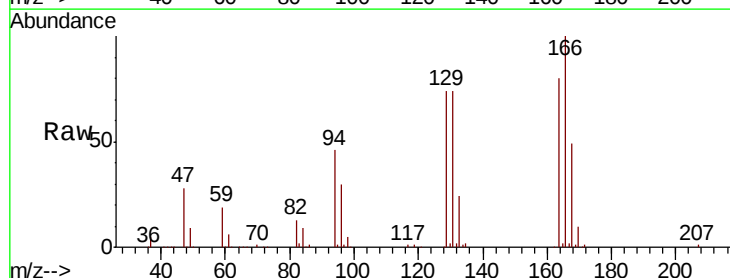
Instrument :
MSVOA_V
ClientSampleId :

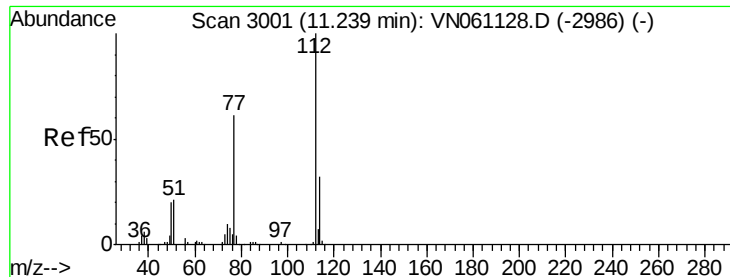
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	46.0	69.0
119	32.3	25.9	38.9



#64
Tetrachloroethene
Concen: 53.464 ug/l
RT: 10.43 min Scan# 2748
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	101.9	152.9
129	92.7	76.5	114.7
131	92.1	74.2	111.4





#65

Chlorobenzene

Concen: 57.076 ug/l

RT: 11.24 min Scan# 3000

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

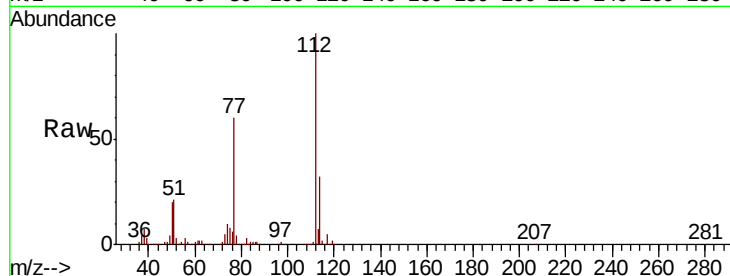
ClientSampleId :

Tot Ion:112 Resp: 357887

Ion Ratio Lower Upper

112 100

114 31.8 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.24

250000

200000

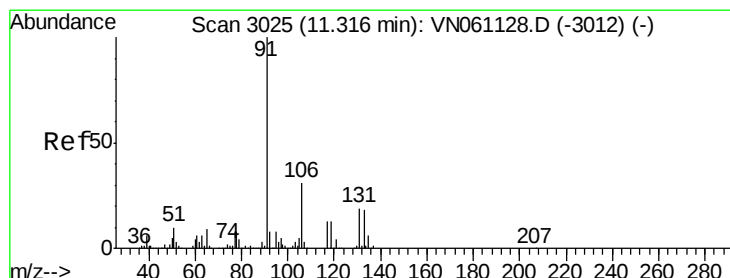
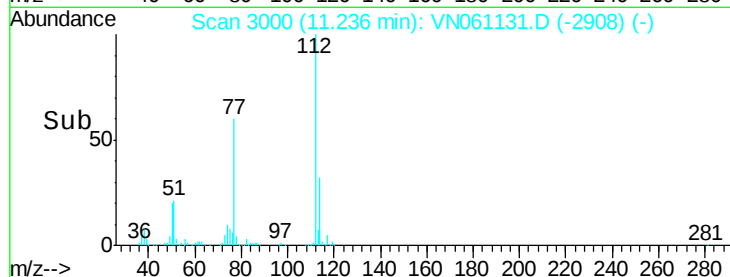
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 58.386 ug/l

RT: 11.31 min Scan# 3024

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

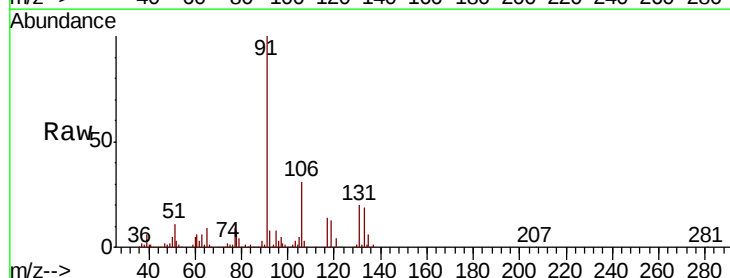
Tgt Ion:131 Resp: 129748

Ion Ratio Lower Upper

131 100

133 95.0 48.2 144.6

119 65.9 33.1 99.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.31

100000

80000

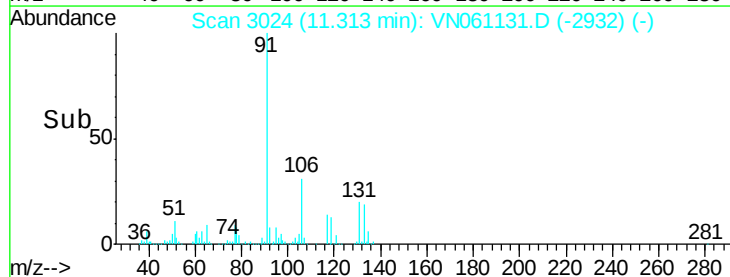
60000

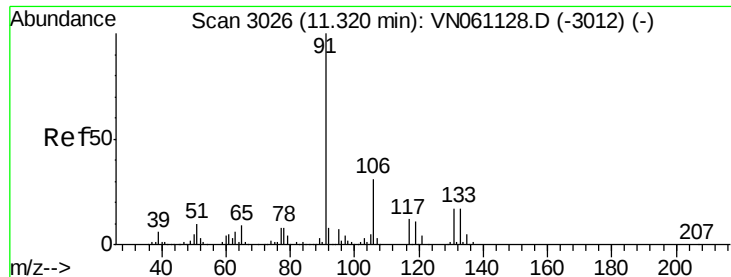
40000

20000

0

Time-->

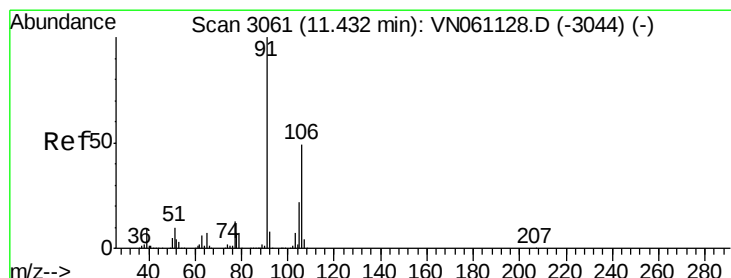
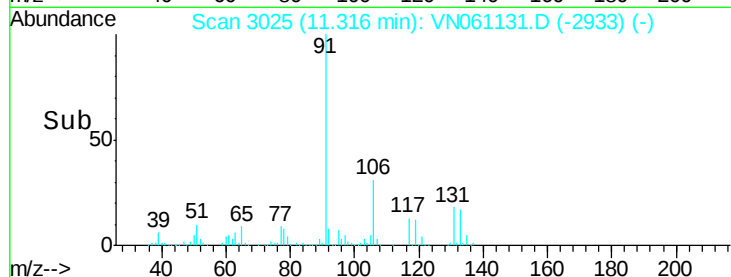
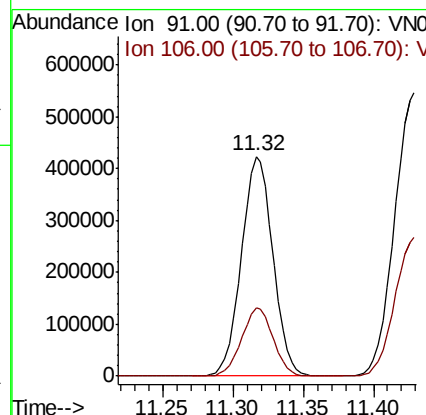
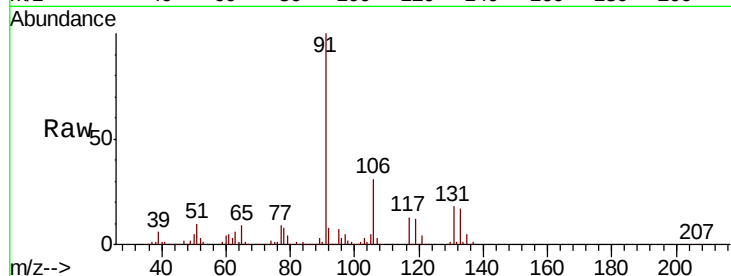




#67
Ethyl Benzene
Concen: 56.752 ug/l
RT: 11.32 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

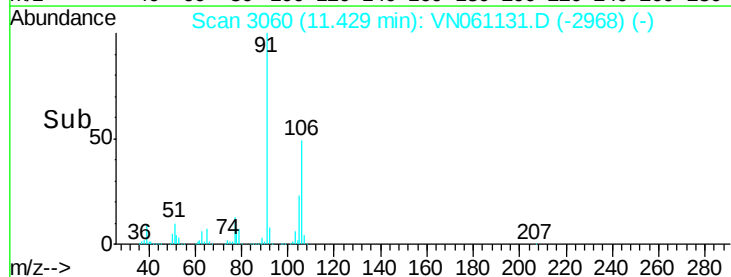
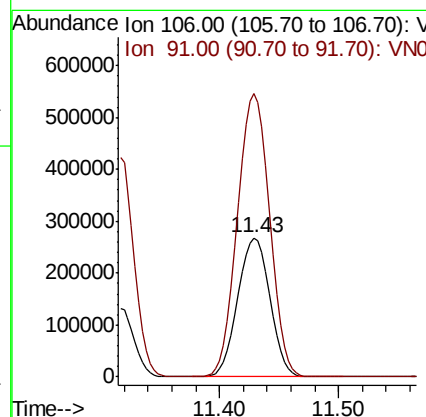
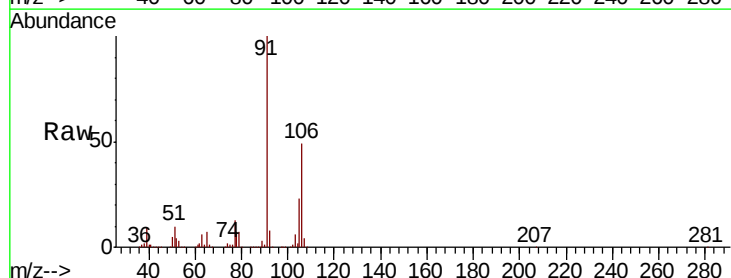
Instrument :
MSVOA_V
ClientSampleId :

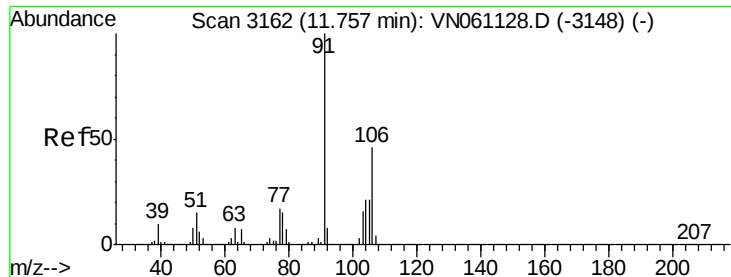
Tot Ion: 91 Resp: 662690
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1



#68
m/p-Xylenes
Concen: 115.393 ug/l
RT: 11.43 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion: 106 Resp: 503173
Ion Ratio Lower Upper
106 100
91 204.0 163.9 245.9

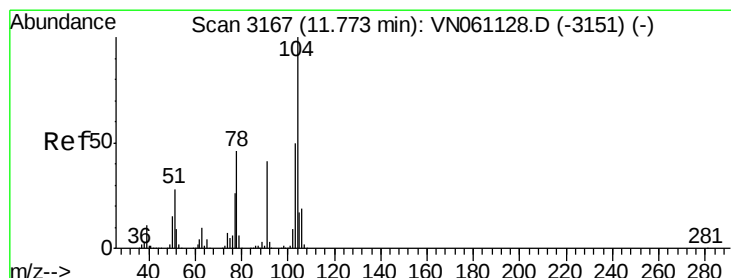
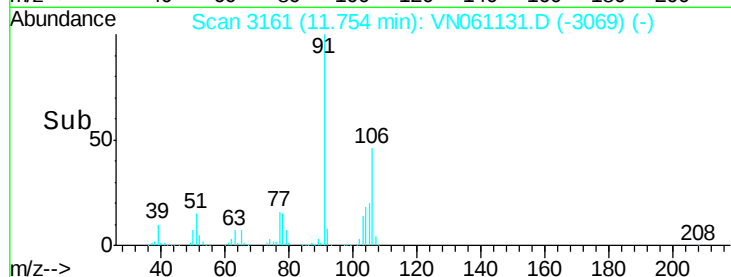
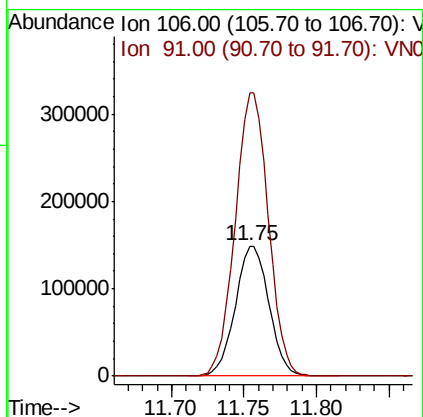
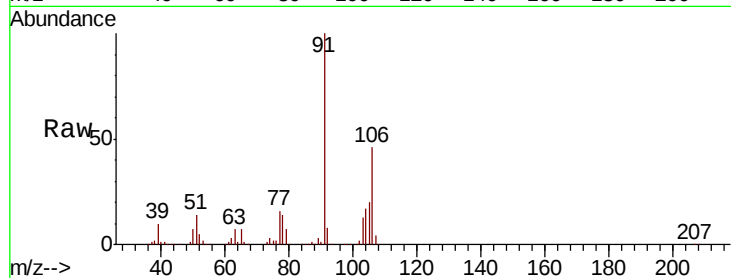




#69
o-Xylene
Concen: 56.708 ug/l
RT: 11.75 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

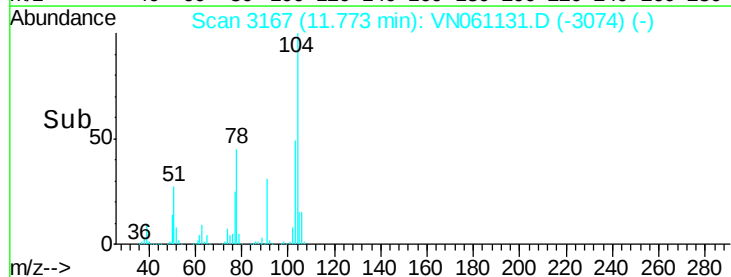
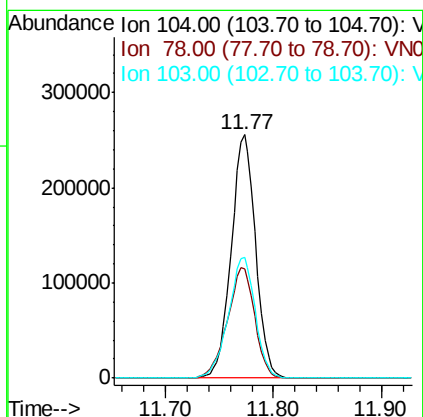
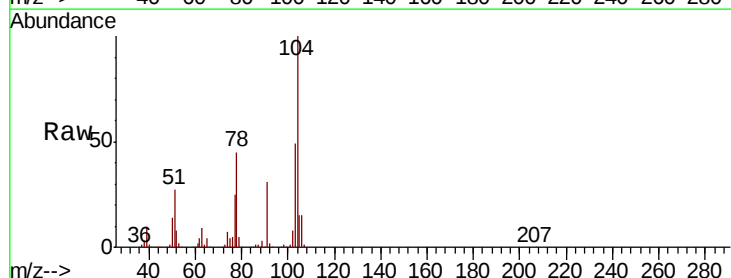
Instrument :
MSVOA_V
ClientSampled :

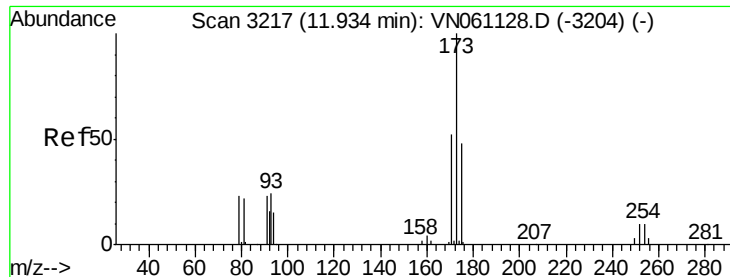
Tot Ion:106 Resp: 238742
Ion Ratio Lower Upper
106 100
91 215.9 107.6 322.8



#70
Styrene
Concen: 59.126 ug/l
RT: 11.77 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion:104 Resp: 403130
Ion Ratio Lower Upper
104 100
78 50.8 40.6 61.0
103 54.6 43.7 65.5

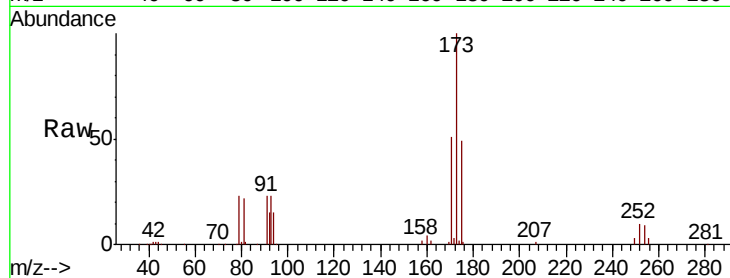




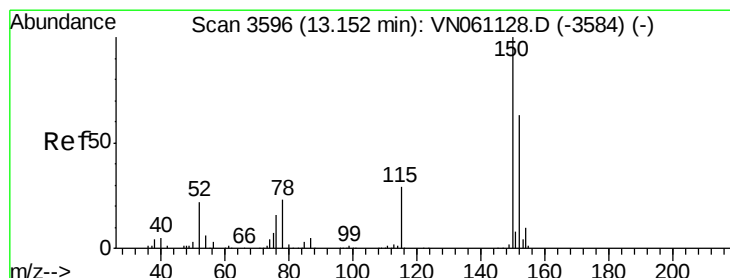
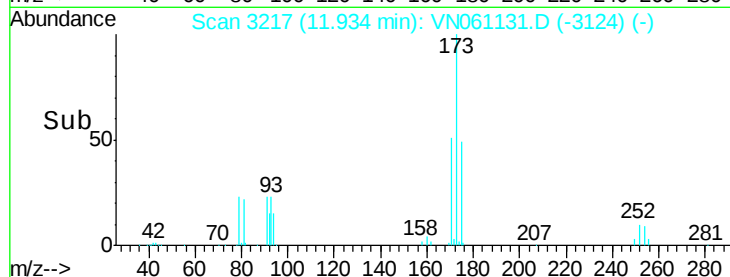
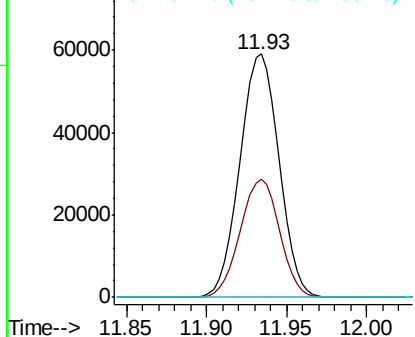
#71
Bromoform
Concen: 58.858 ug/l
RT: 11.93 min Scan# 3217
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:173 Resp: 98608
Ion Ratio Lower Upper
173 100
175 48.7 23.9 71.8
254 0.0 0.0 0.0

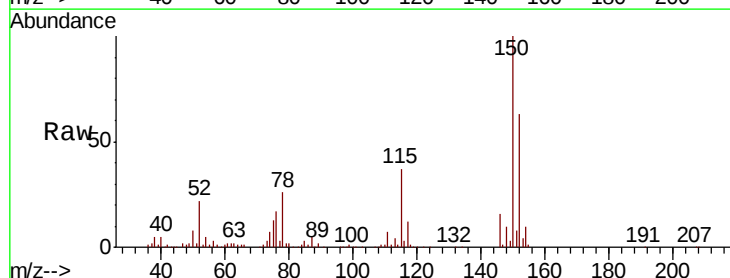


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

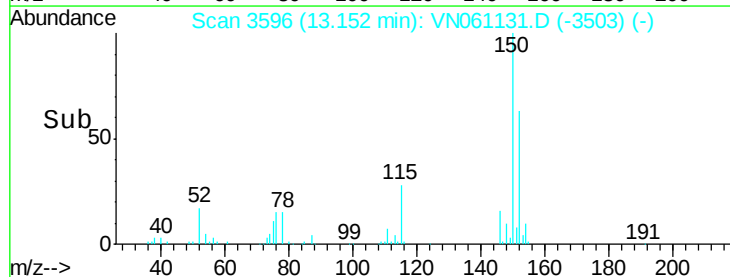
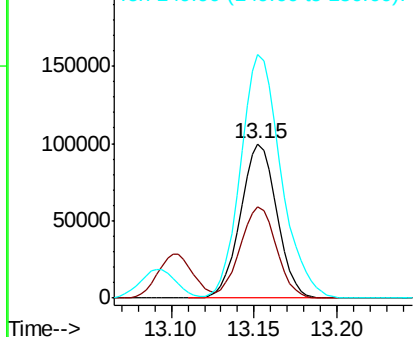


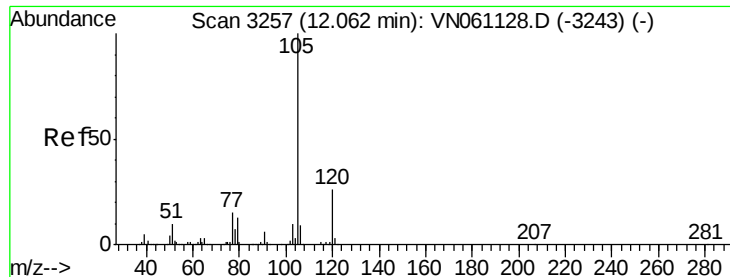
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.15 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion:152 Resp: 151836
Ion Ratio Lower Upper
152 100
115 59.0 29.8 89.5
150 175.9 0.0 348.6



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: 56.337 ug/l

RT: 12.06 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

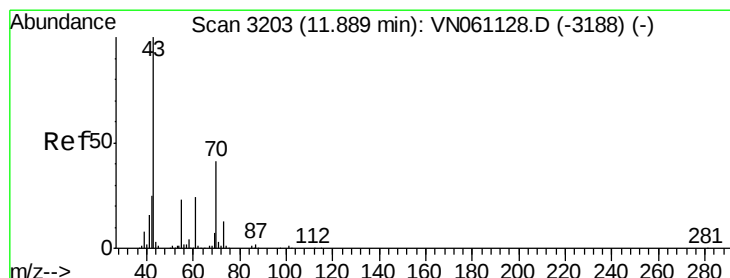
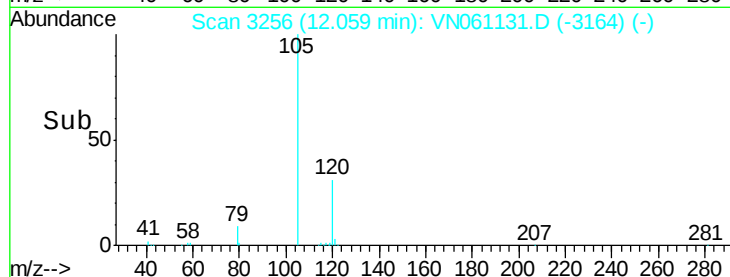
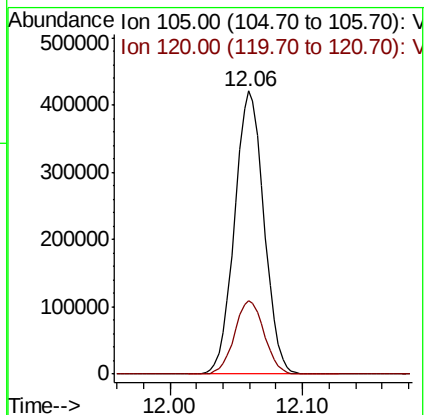
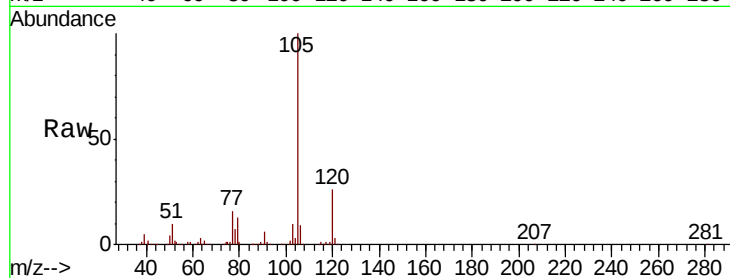
ClientSampleId :

Tot Ion: 105 Resp: 646228

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.3



#74

N-ethyl acetate

Concen: 52.620 ug/l

RT: 11.89 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Tgt Ion: 43 Resp: 271329

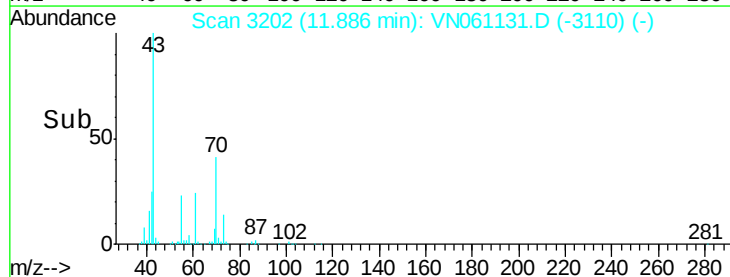
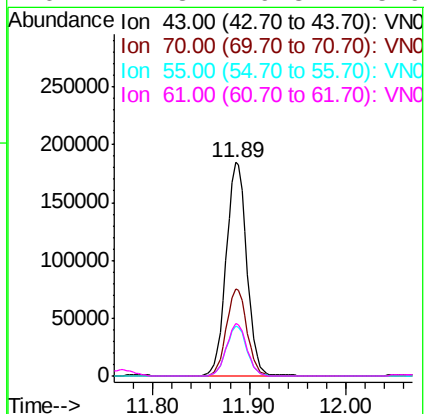
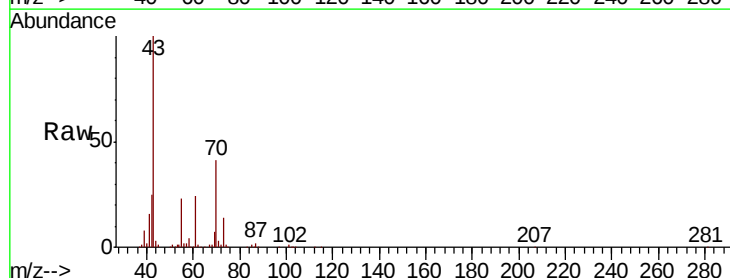
Ion Ratio Lower Upper

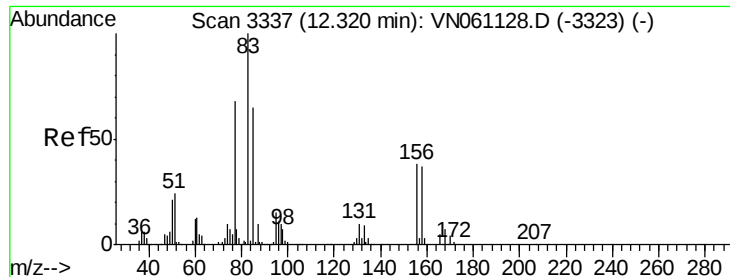
43 100

70 40.8 32.5 48.7

55 23.4 19.0 28.6

61 24.3 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 53.062 ug/l

RT: 12.32 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

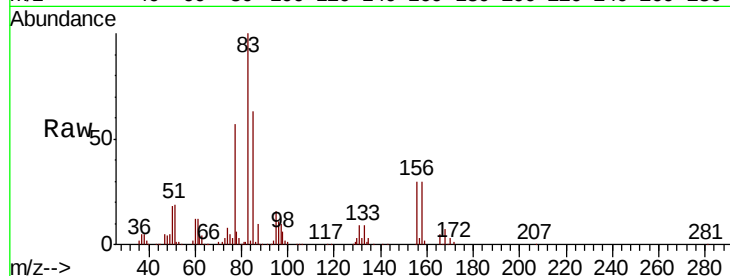
Tot Ion: 83 Resp: 163112

Ion Ratio Lower Upper

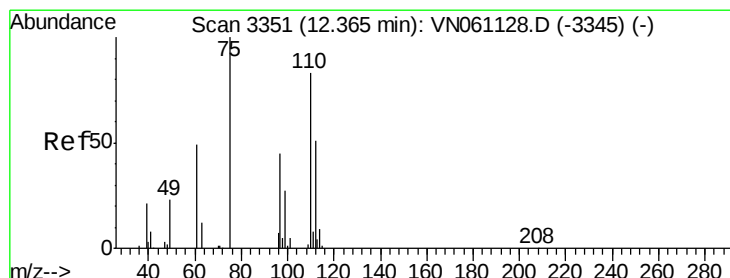
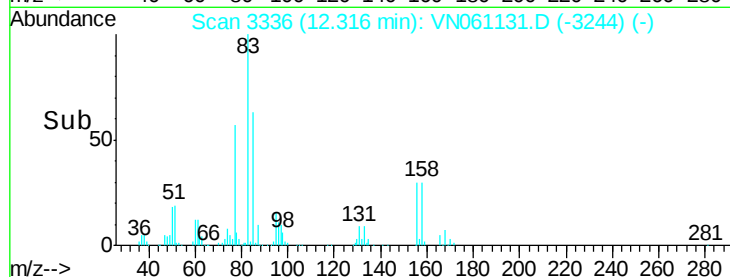
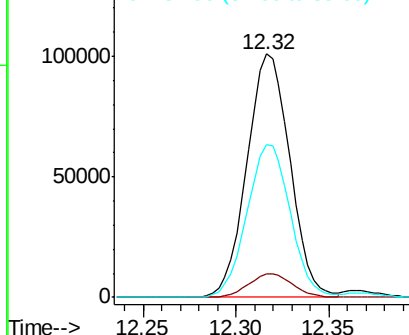
83 100

131 10.0 5.1 15.2

85 63.2 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 70.155 ug/l

RT: 12.36 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061131.D

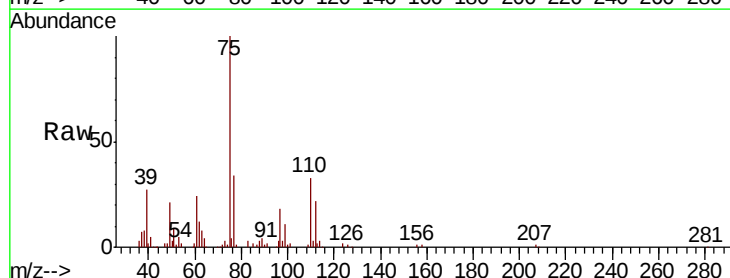
Acq: 22 Apr 2020 15:51

Tgt Ion: 75 Resp: 245708

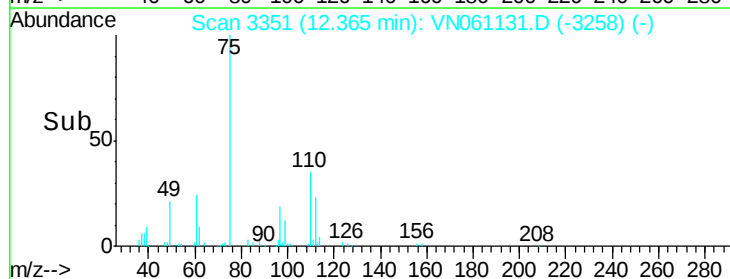
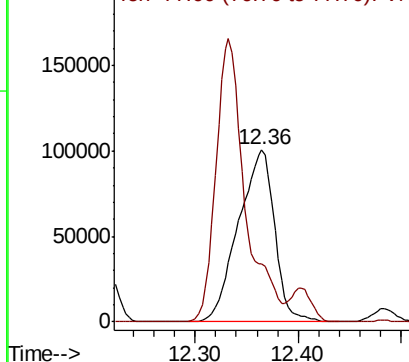
Ion Ratio Lower Upper

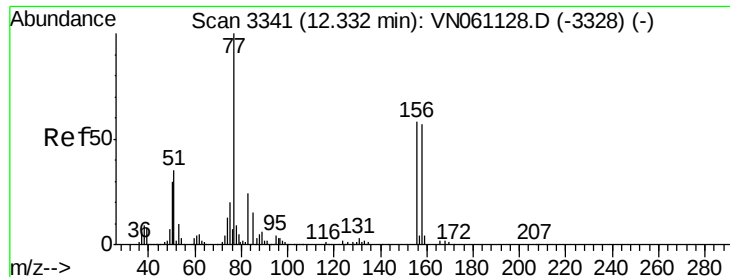
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 55.653 ug/l

RT: 12.33 min Scan# 3341

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

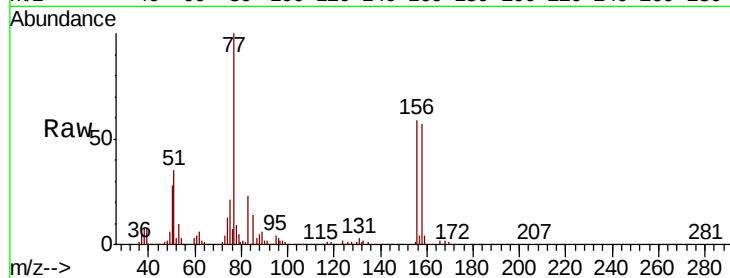
Tot Ion:156 Resp: 155540

Ion Ratio Lower Upper

156 100

77 209.7 105.7 317.1

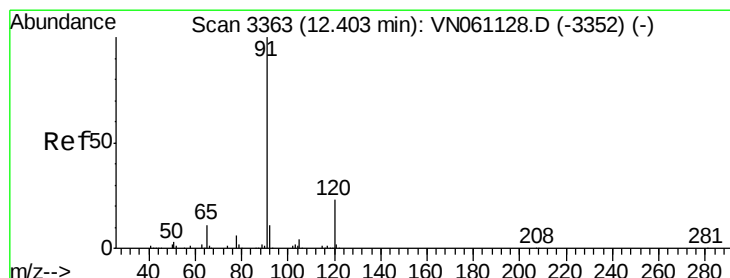
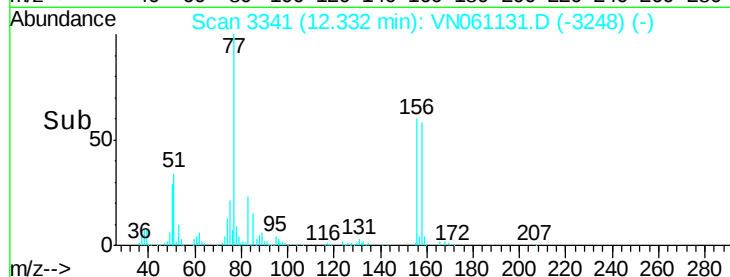
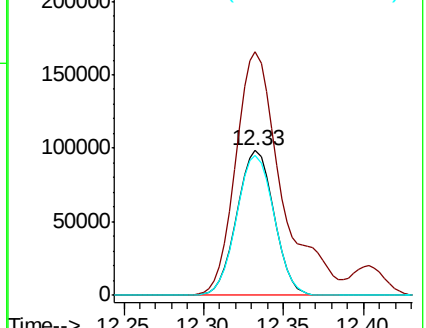
158 98.0 48.3 144.9



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: 56.795 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN061131.D

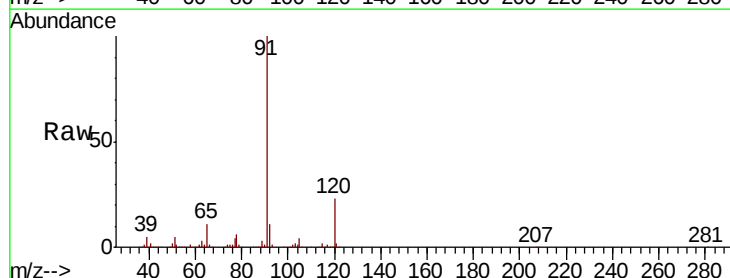
Acq: 22 Apr 2020 15:51

Tgt Ion: 91 Resp: 764157

Ion Ratio Lower Upper

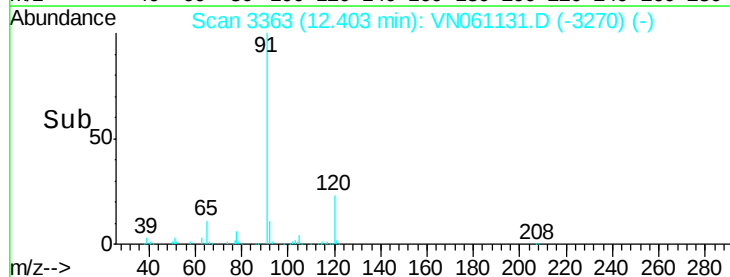
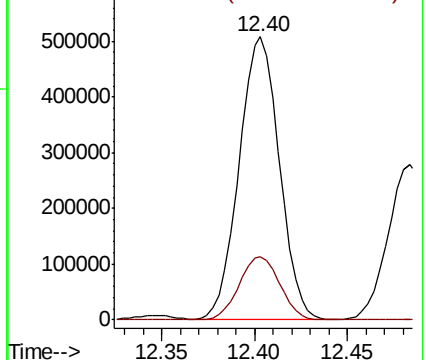
91 100

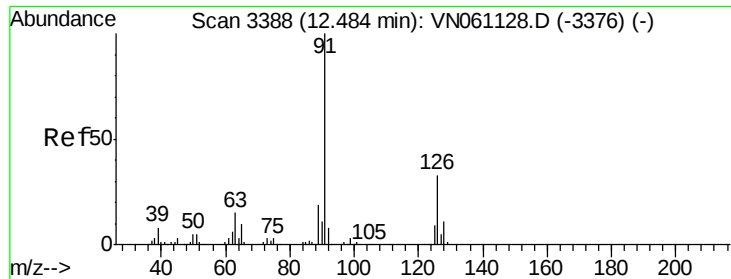
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.605 ug/l

RT: 12.48 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

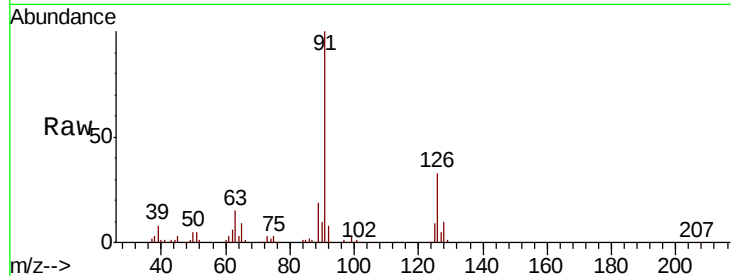
ClientSampled :

Tot Ion: 91 Resp: 434412

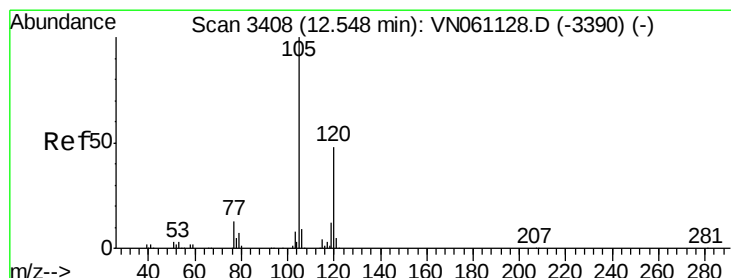
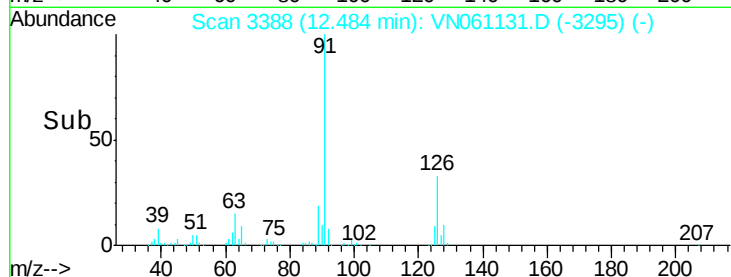
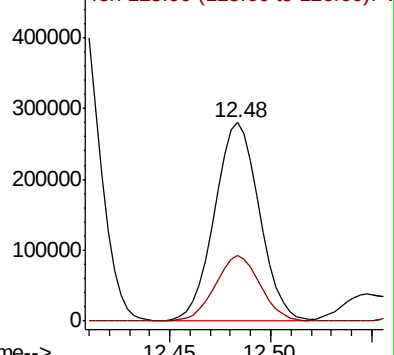
Ion Ratio Lower Upper

91 100

126 33.2 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN061128.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.338 ug/l

RT: 12.55 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN061131.D

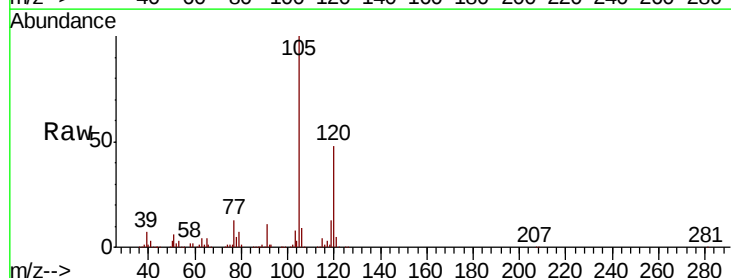
Acq: 22 Apr 2020 15:51

Tgt Ion: 105 Resp: 544566

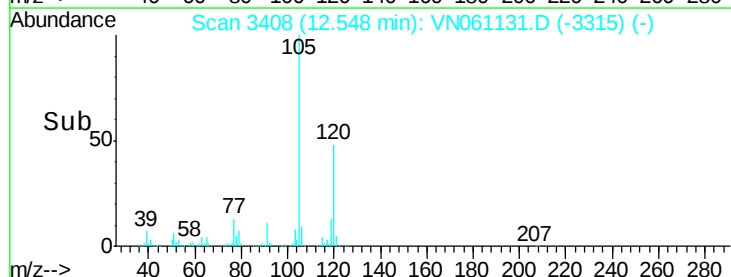
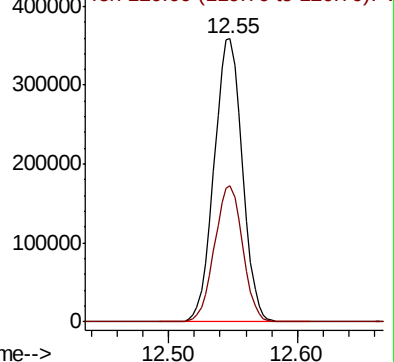
Ion Ratio Lower Upper

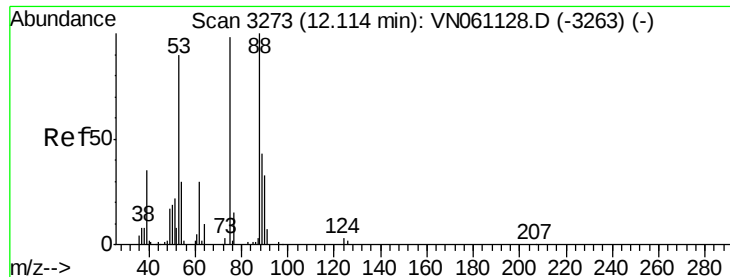
105 100

120 48.1 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN061128.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.358 ug/l

RT: 12.11 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

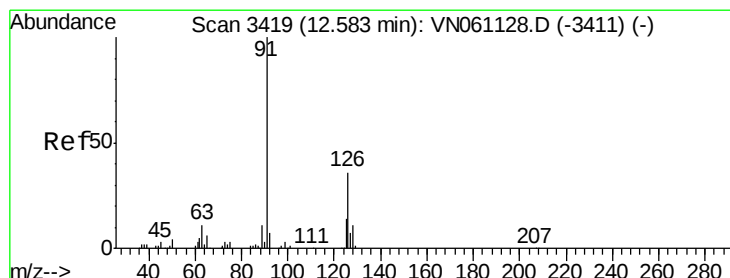
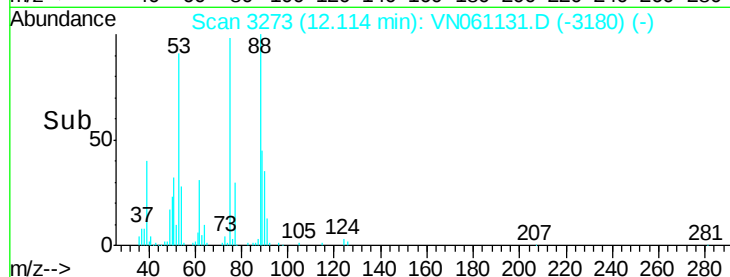
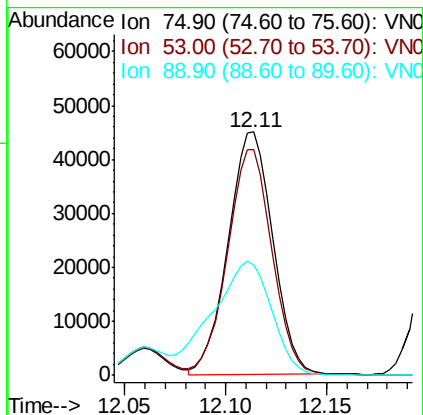
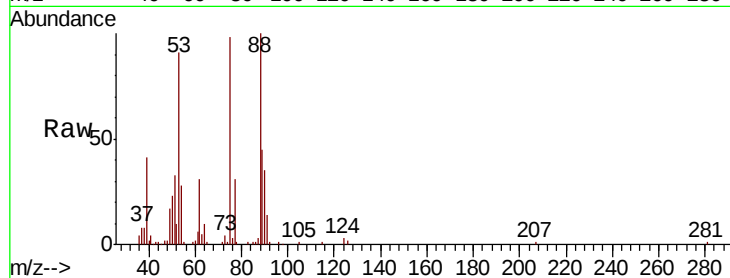
Tot Ion: 75 Resp: 69826

Ion Ratio Lower Upper

75 100

53 93.2 74.3 111.5

89 62.7 36.6 55.0#



#82

4-Chlorotoluene

Concen: 56.419 ug/l

RT: 12.58 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061131.D

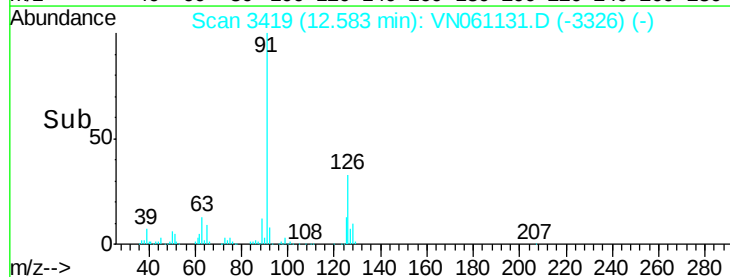
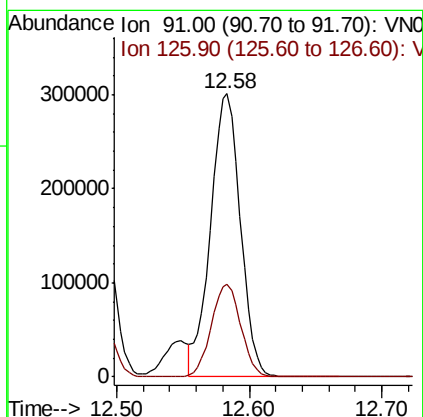
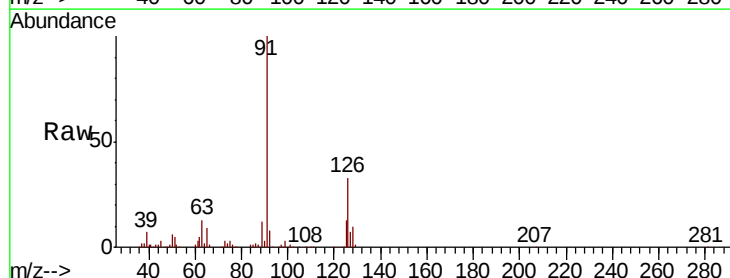
Acq: 22 Apr 2020 15:51

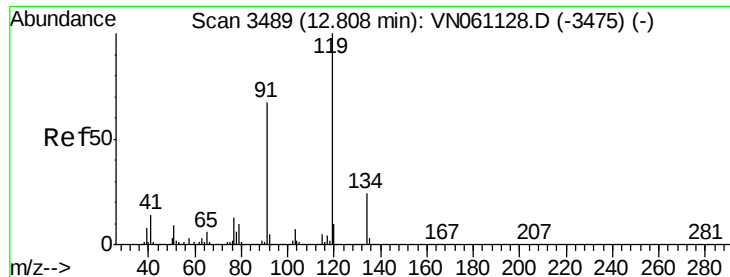
Tgt Ion: 91 Resp: 467639

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.2

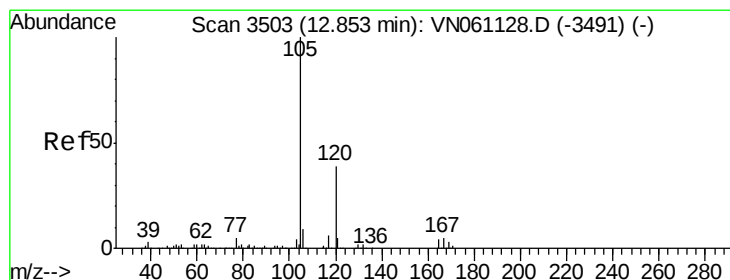
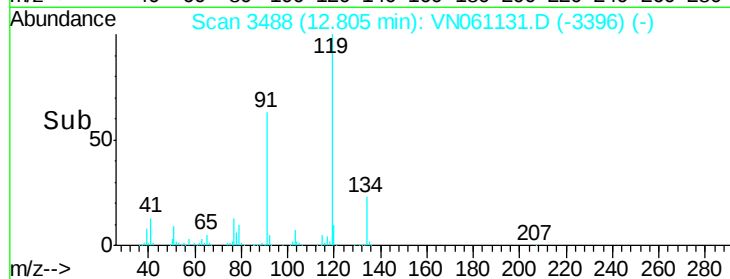
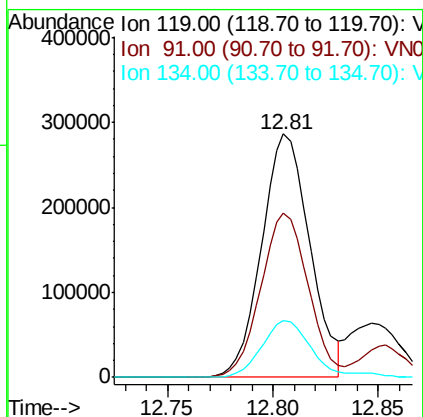
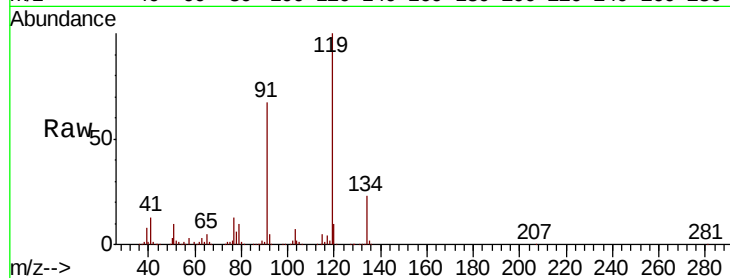




#83
tert-Butylbenzene
Concen: 56.105 ug/l
RT: 12.81 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

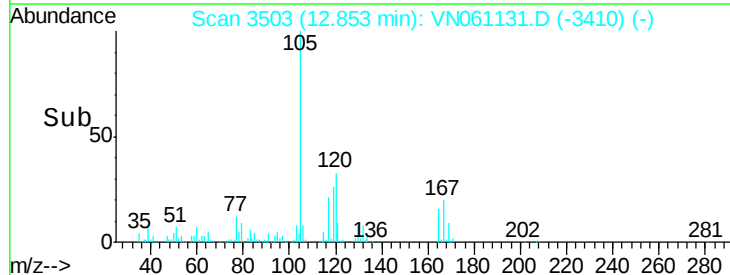
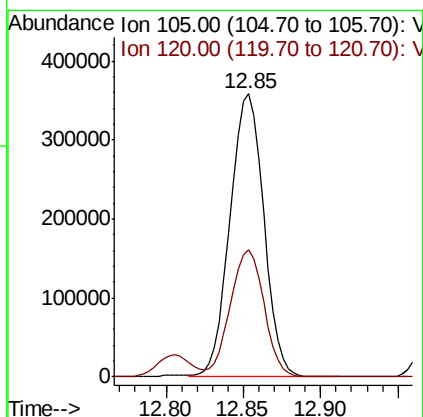
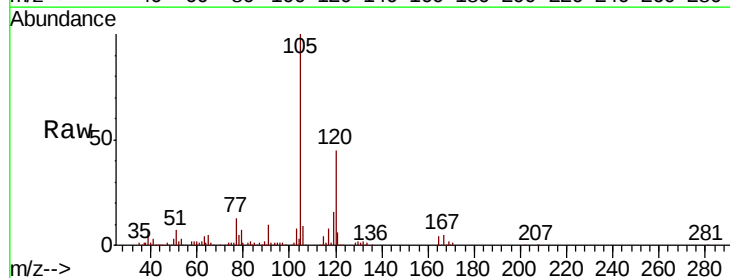
Instrument :
MSVOA_V
ClientSampleId :

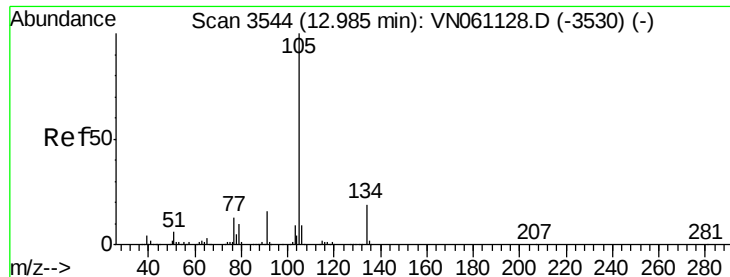
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	32.8	98.4
134	24.5	12.2	36.4



#84
1,2,4-Trimethylbenzene
Concen: 56.337 ug/l
RT: 12.85 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.0





#85

sec-Butylbenzene

Concen: 56.616 ug/l

RT: 12.99 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

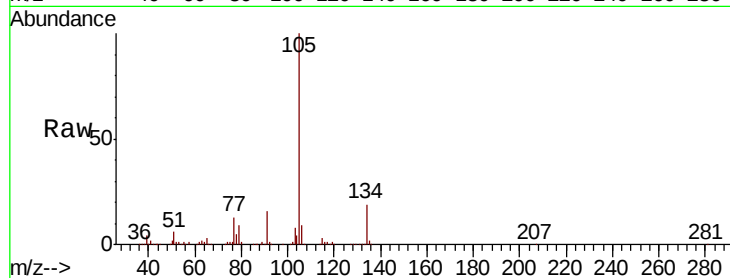
ClientSampleId :

Tot Ion:105 Resp: 621893

Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.99

400000

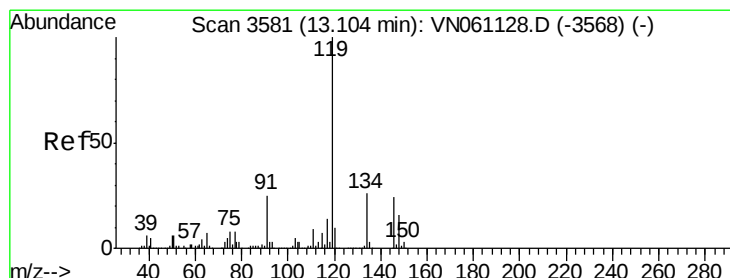
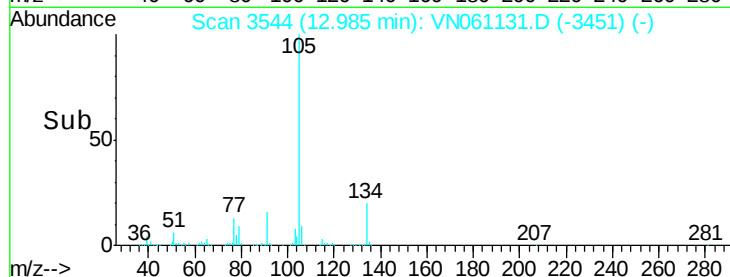
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 56.920 ug/l

RT: 13.10 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

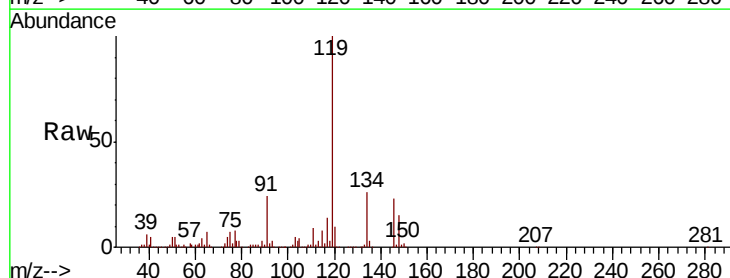
Tgt Ion:119 Resp: 567487

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

91 24.3 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.10

500000

400000

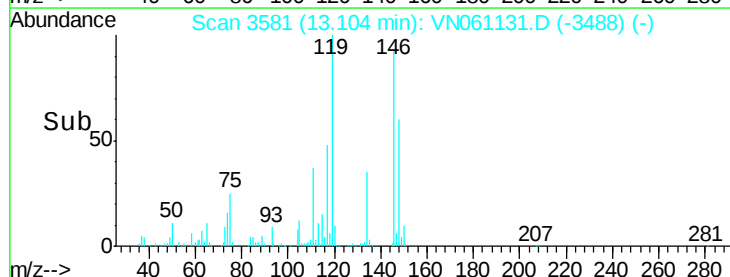
300000

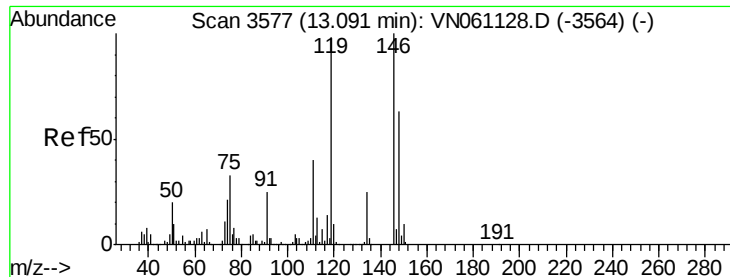
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 56.825 ug/l

RT: 13.09 min Scan# 3577

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_V

ClientSampled :

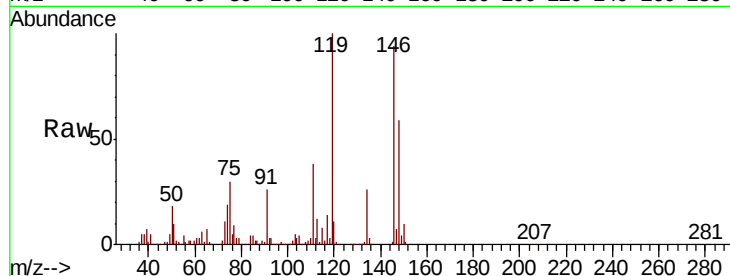
Tot Ion:146 Resp: 281474

Ion Ratio Lower Upper

146 100

111 40.3 20.3 60.9

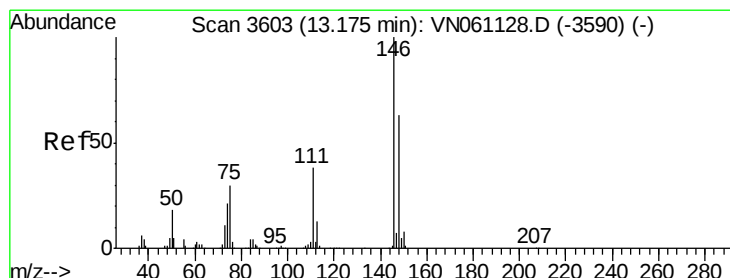
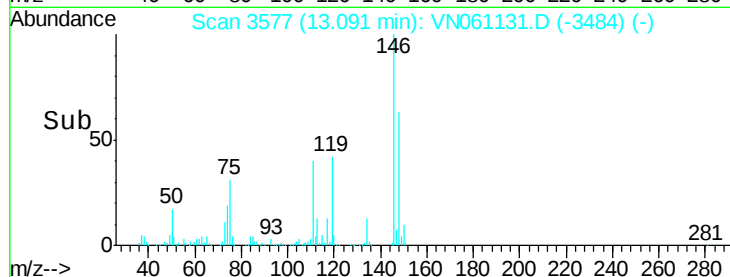
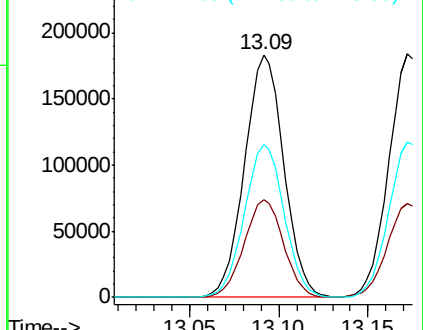
148 63.8 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 56.279 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

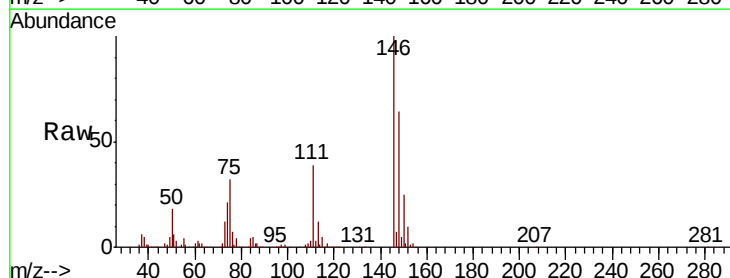
Tgt Ion:146 Resp: 282972

Ion Ratio Lower Upper

146 100

111 39.6 19.7 59.1

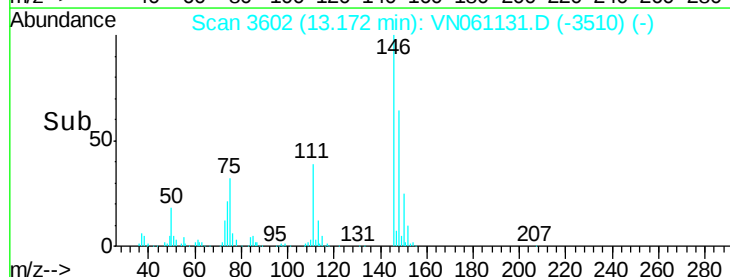
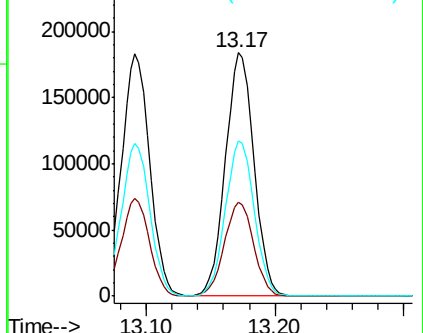
148 64.3 31.8 95.3

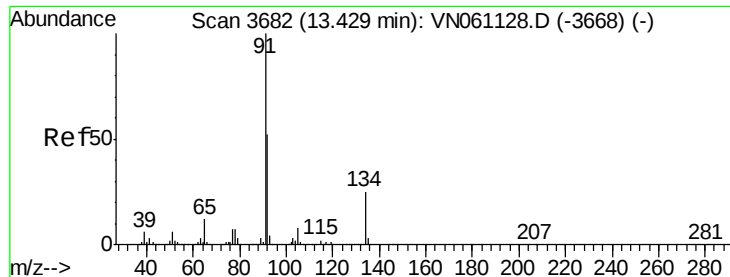


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

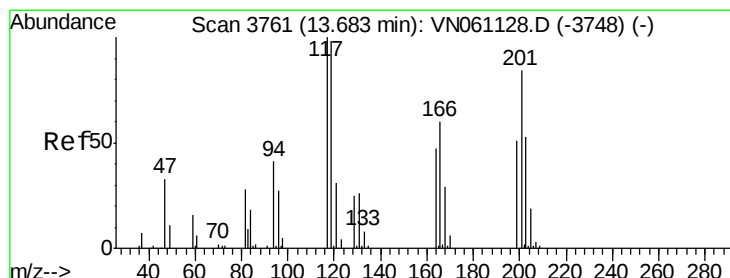
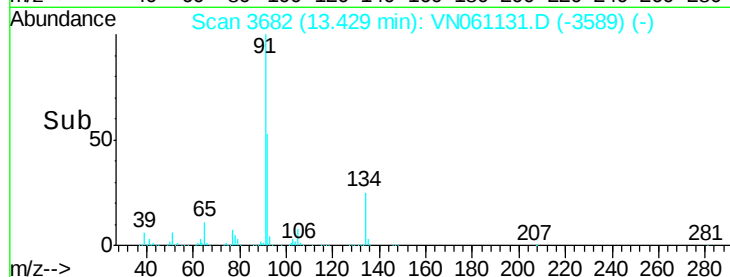
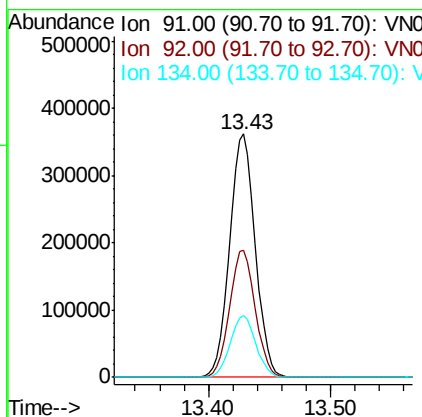
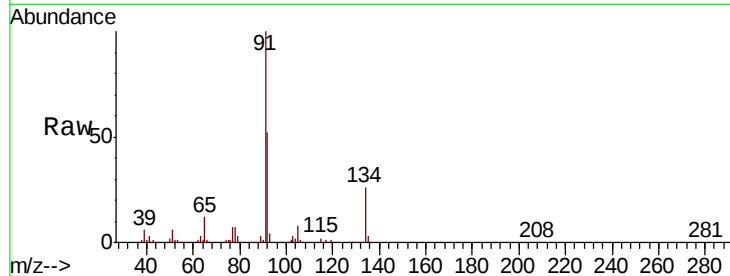




#89
n-Butylbenzene
Concen: 58.394 ug/l
RT: 13.43 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

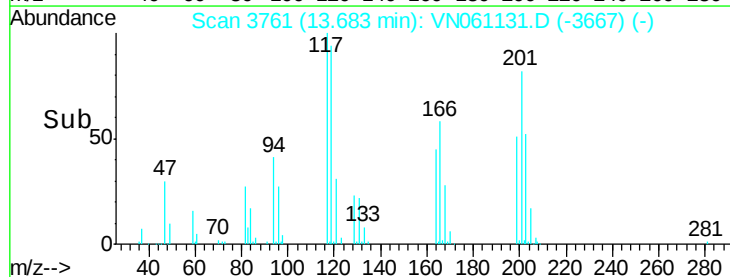
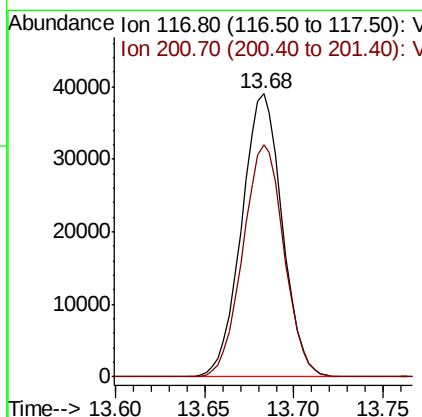
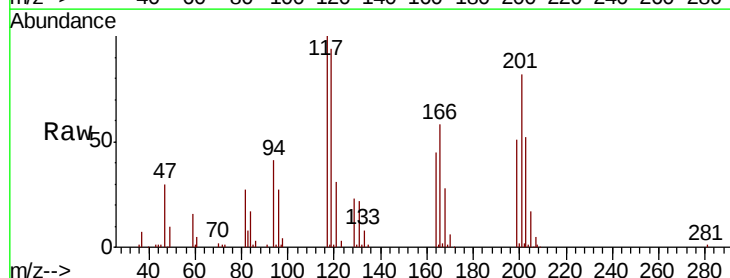
Instrument :
MSVOA_V
ClientSampled :

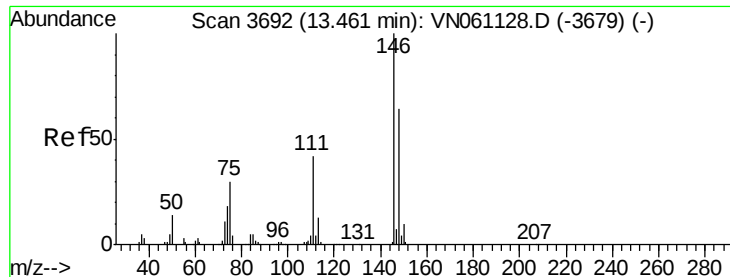
Tot Ion: 91 Resp: 531211
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.2
134 25.4 12.6 37.6



#90
Hexachloroethane
Concen: 58.950 ug/l
RT: 13.68 min Scan# 3761
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion: 117 Resp: 61755
Ion Ratio Lower Upper
117 100
201 83.4 41.4 124.4

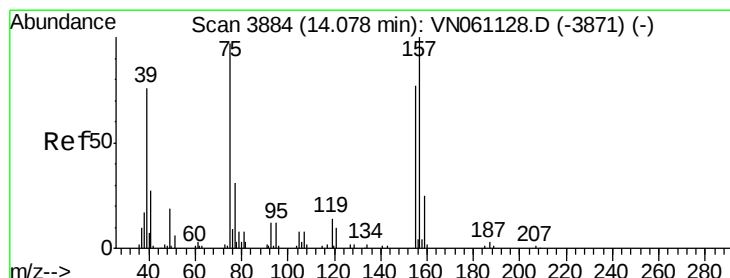
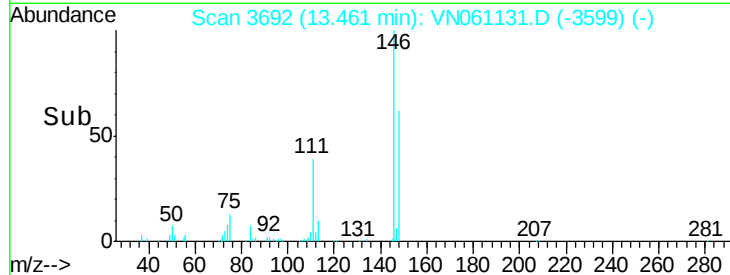
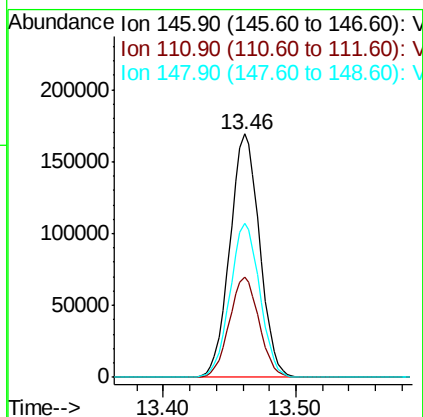
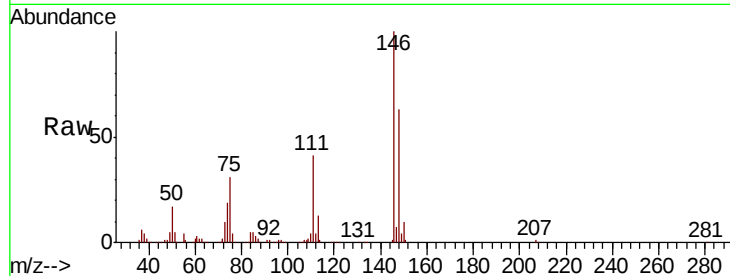




#91
 1,2-Dichlorobenzene
 Concen: 57.055 ug/l
 RT: 13.46 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

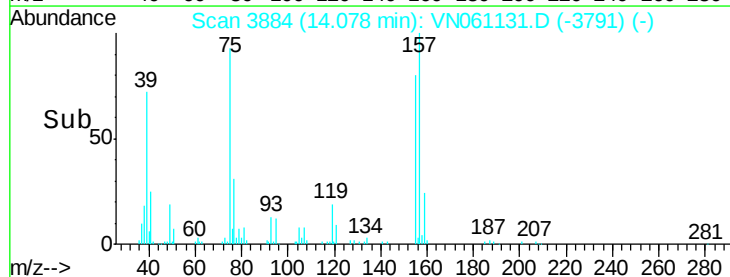
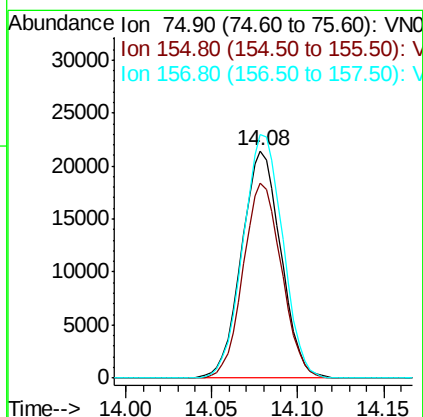
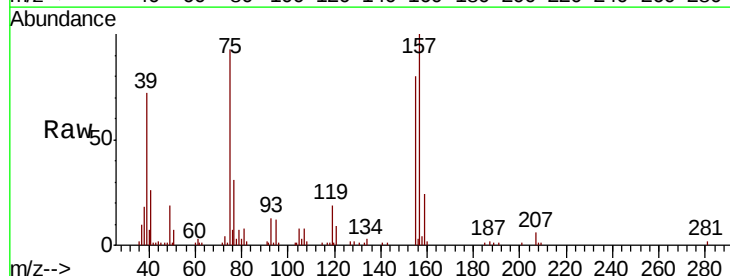
Instrument :
 MSVOA_V
 ClientSampleId :

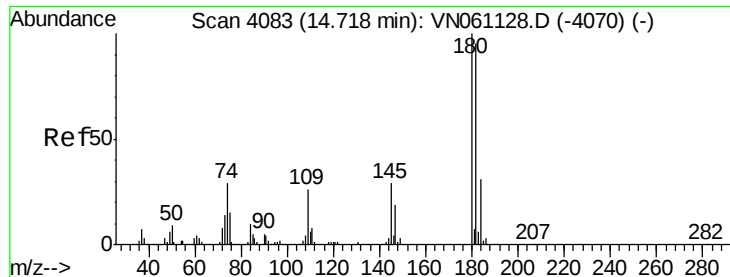
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.2
148	63.5	31.7	95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.008 ug/l
 RT: 14.08 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	40.3	120.9
157	108.1	51.6	154.8

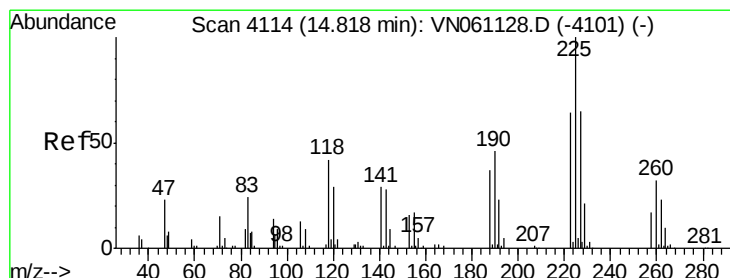
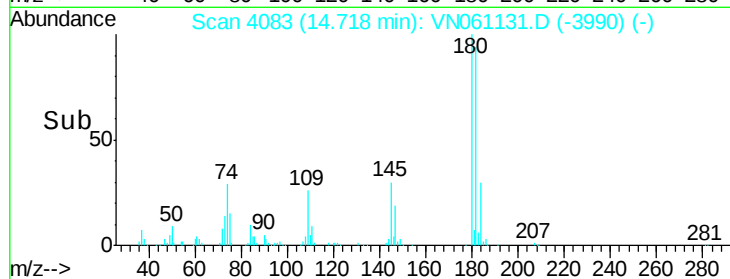
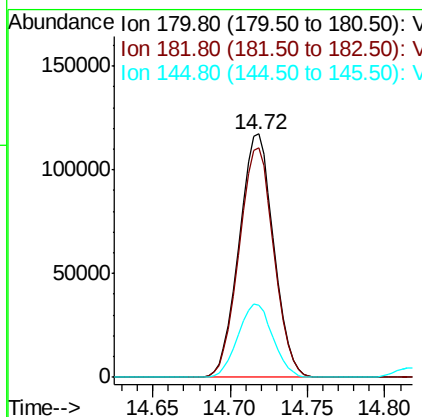
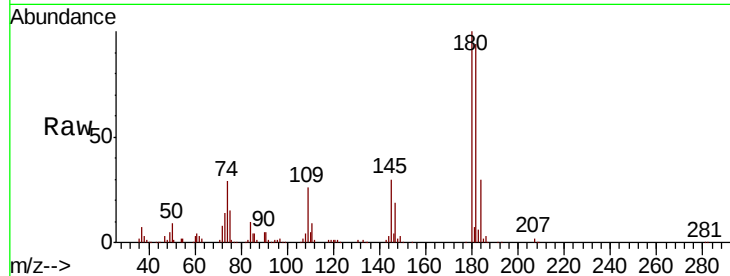




#93
 1,2,4-Trichlorobenzene
 Concen: 59.100 ug/l
 RT: 14.72 min Scan# 4083
 Delta R.T. 0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

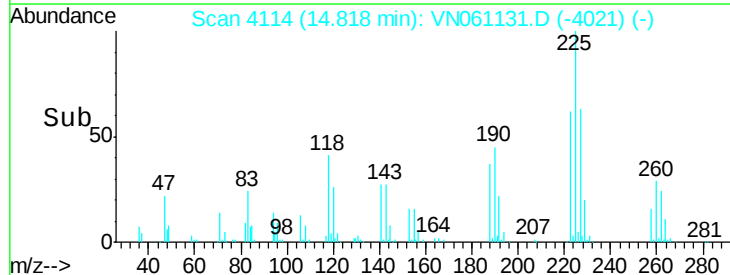
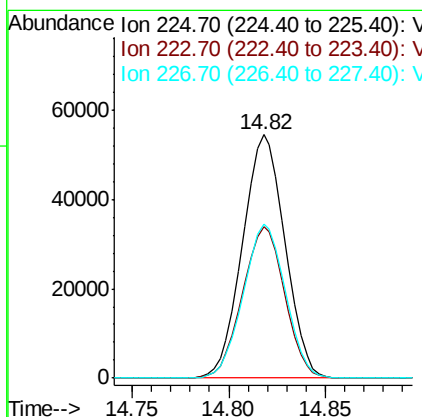
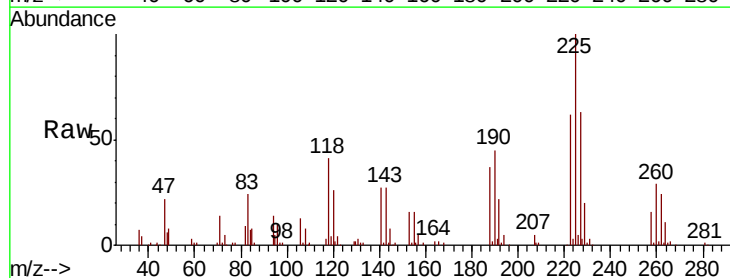
Instrument :
 MSVOA_V
 ClientSampled :

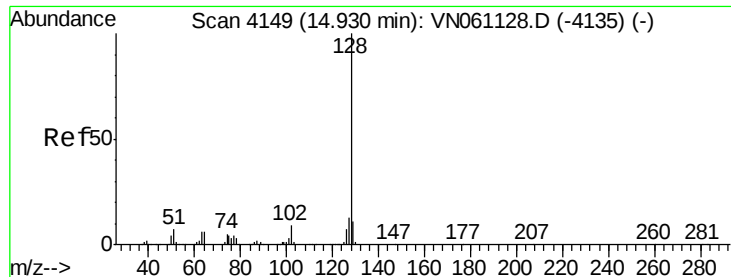
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	30.4	15.2	45.5



#94
 Hexachlorobutadiene
 Concen: 61.838 ug/l
 RT: 14.82 min Scan# 4114
 Delta R.T. 0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.6	95.0
227	62.8	32.0	96.2

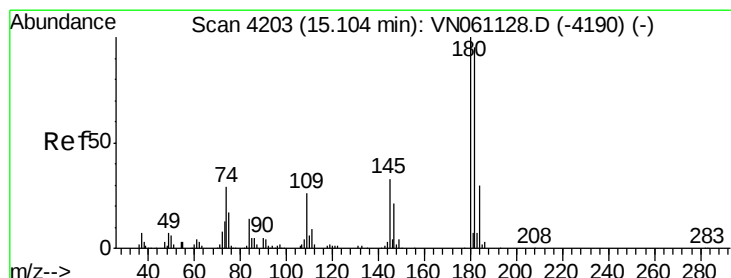
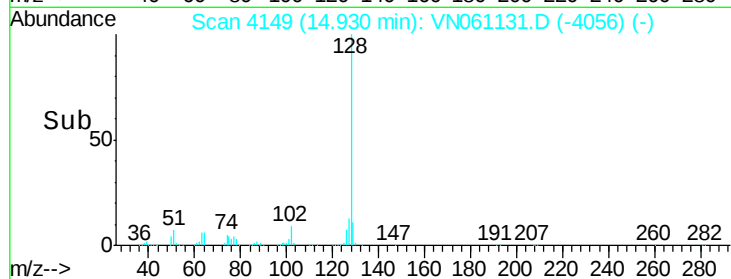
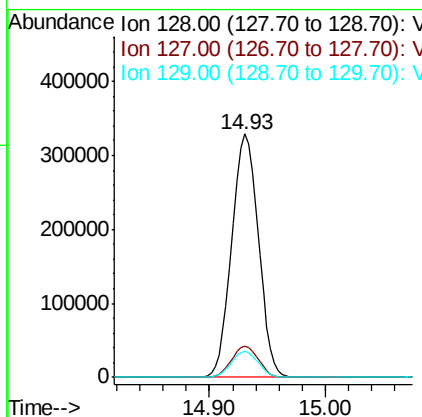
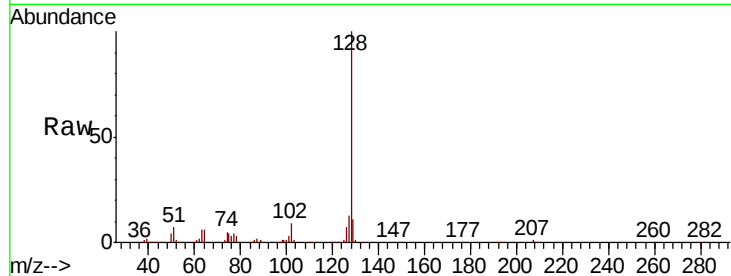




#95
Naphthalene
Concen: 54.957 ug/l
RT: 14.93 min Scan# 4149
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 523010
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 58.164 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion:180 Resp: 172268
Ion Ratio Lower Upper
180 100
182 95.4 47.7 143.1
145 32.0 16.3 48.8

