

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061321.D
 Acq On : 6 May 2020 19:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 03:13:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	102276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	180478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	170189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	81772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	83419	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	7.55	113	44598	41.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.58%	
50) Toluene-d8	10.06	98	218199	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.38	95	83803	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	50165	46.254	ug/l	98
3) Chloromethane	2.03	50	65945	50.204	ug/l	100
4) Vinyl Chloride	2.16	62	75727	50.758	ug/l	100
5) Bromomethane	2.53	94	31161	42.254	ug/l	97
6) Chloroethane	2.67	64	46354	49.019	ug/l	100
7) Trichlorofluoromethane	2.98	101	96097	57.092	ug/l	98
8) Diethyl Ether	3.37	74	38212	54.427	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	54383	50.152	ug/l	99
10) Methyl Iodide	3.91	142	55280	39.668	ug/l	100
11) Tert butyl alcohol	4.73	59	61274	282.647	ug/l	99
12) 1,1-Dichloroethene	3.69	96	52673	48.812	ug/l	99
13) Acrolein	3.56	56	32481	224.833	ug/l	99
14) Allyl chloride	4.27	41	113173	56.563	ug/l	99
15) Acrylonitrile	4.93	53	181636	272.941	ug/l	99
16) Acetone	3.77	43	162700	260.178	ug/l	100
17) Carbon Disulfide	4.01	76	104176	34.949	ug/l	100
18) Methyl Acetate	4.27	43	97581	47.798	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	210293	51.001	ug/l	100
20) Methylene Chloride	4.50	84	61185	48.486	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	57067	48.566	ug/l	97
22) Diisopropyl ether	5.90	45	242202	52.201	ug/l	98
23) Vinyl Acetate	5.84	43	990938	265.251	ug/l	100
24) 1,1-Dichloroethane	5.79	63	121350	50.058	ug/l	100
25) 2-Butanone	6.78	43	262551	274.172	ug/l	100
26) 2,2-Dichloropropane	6.77	77	101527	49.722	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	68203	49.461	ug/l	100
28) Bromochloromethane	7.15	49	58469	50.886	ug/l	96
29) Tetrahydrofuran	7.16	42	174348	270.278	ug/l	99
30) Chloroform	7.32	83	120718	49.139	ug/l	99
31) Cyclohexane	7.61	56	102578	43.571	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	105157	49.156	ug/l	99
36) 1,1-Dichloropropene	7.75	75	88066	48.745	ug/l	99
37) Ethyl Acetate	6.88	43	110505	52.174	ug/l	100
38) Carbon Tetrachloride	7.73	117	82114	49.824	ug/l	99

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

39) Methylcyclohexane	9.05	83	85222	42.062	ug/l	97
40) Benzene	8.00	78	257672	47.872	ug/l	99
41) Methacrylonitrile	7.13	41	54208	61.642	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	104090	51.047	ug/l	99
43) Isopropyl Acetate	8.12	43	183295	52.145	ug/l	99
44) Trichloroethene	8.80	130	63927	43.935	ug/l	100
45) 1,2-Dichloropropane	9.09	63	70616	49.108	ug/l	99
46) Dibromomethane	9.17	93	44963	50.500	ug/l	99
47) Bromodichloromethane	9.37	83	98126	51.346	ug/l	99
48) Methyl methacrylate	9.17	41	84584	53.325	ug/l	97
49) 1,4-Dioxane	9.16	88	17465	969.997	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	565981	273.548	ug/l	100
52) Toluene	10.12	92	158265	48.816	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	108294	50.291	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	112461	49.400	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	63529	49.127	ug/l	98
56) Ethyl methacrylate	10.40	69	108072	48.070	ug/l	99
57) 1,3-Dichloropropane	10.68	76	115136	50.653	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	271773	259.637	ug/l	100
59) 2-Hexanone	10.72	43	415541	276.058	ug/l	100
60) Dibromochloromethane	10.87	129	68954	50.912	ug/l	99
61) 1,2-Dibromoethane	10.98	107	65777	50.749	ug/l	100
64) Tetrachloroethene	10.60	164	60419	40.989	ug/l	99
65) Chlorobenzene	11.41	112	163255	48.358	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	61537	50.929	ug/l	100
67) Ethyl Benzene	11.48	91	312102	49.385	ug/l	99
68) m/p-Xylenes	11.60	106	227274	98.250	ug/l	98
69) o-Xylene	11.92	106	107649	48.447	ug/l	98
70) Styrene	11.94	104	186737	50.212	ug/l	99
71) Bromoform	12.10	173	47497	53.486	ug/l #	100
73) Isopropylbenzene	12.22	105	293894	48.889	ug/l	100
74) N-amyl acetate	12.04	43	161260	52.975	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	95418	50.905	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	134711	78.140	ug/l #	100
77) Bromobenzene	12.50	156	66845	48.169	ug/l	94
78) n-propylbenzene	12.57	91	344536	48.320	ug/l	100
79) 2-Chlorotoluene	12.65	91	205054	48.927	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	245637	49.370	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	35638	52.496	ug/l	97
82) 4-Chlorotoluene	12.75	91	219174	49.619	ug/l	98
83) tert-Butylbenzene	12.97	119	201862	48.116	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	246994	48.184	ug/l	100
85) sec-Butylbenzene	13.15	105	267177	46.711	ug/l	99
86) p-Isopropyltoluene	13.26	119	240086	46.587	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	123020	48.155	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	123905	47.469	ug/l	100
89) n-Butylbenzene	13.59	91	218511	46.251	ug/l	99
90) Hexachloroethane	13.85	117	32997	59.649	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	119423	48.754	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	21414	54.092	ug/l	97

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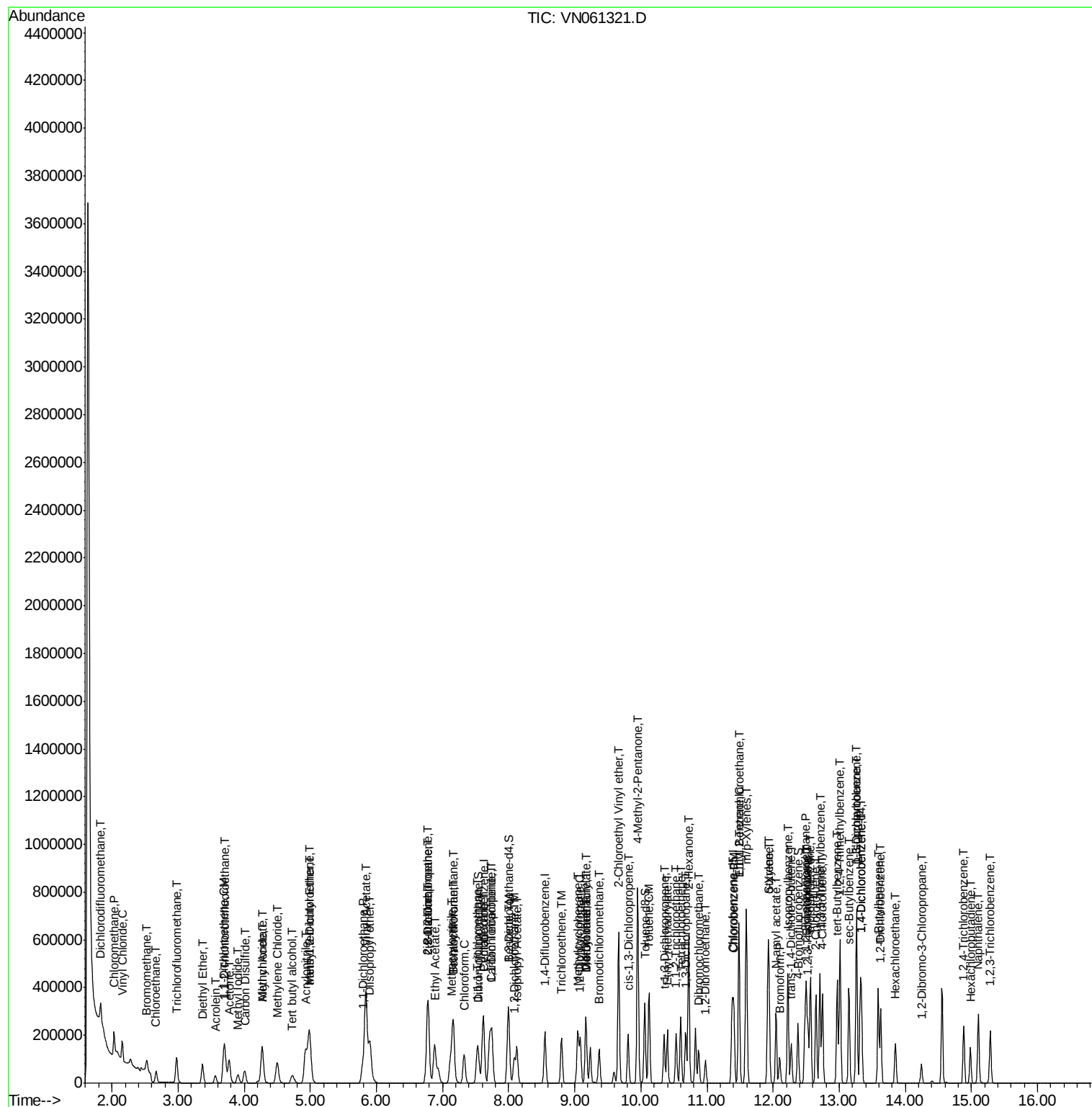
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	69278	46.445	ug/l	99
94) Hexachlorobutadiene	14.99	225	26522	42.561	ug/l	96
95) Naphthalene	15.10	128	230329	47.415	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	65512	44.485	ug/l	98

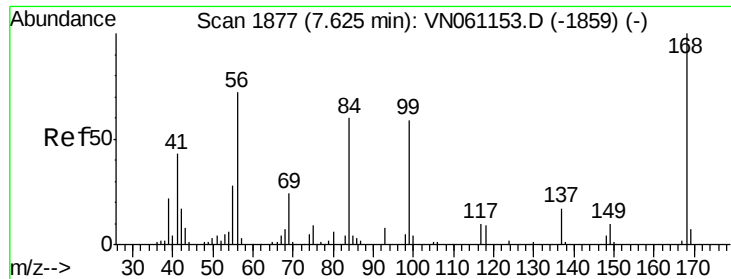
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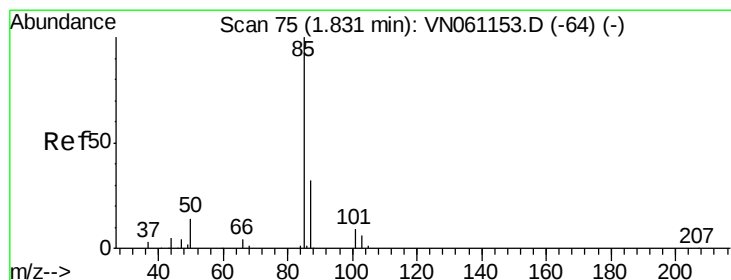
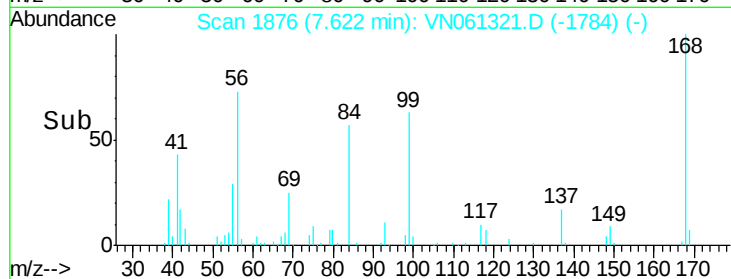
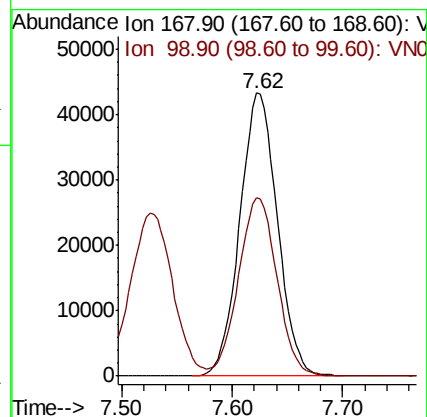
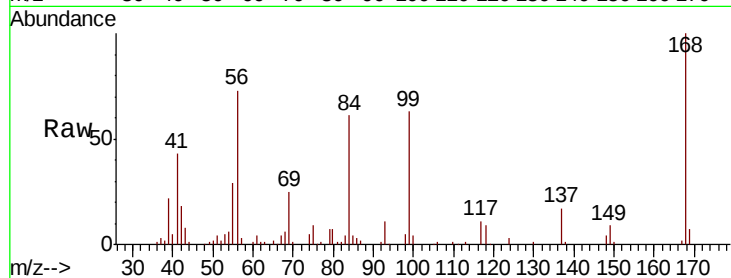




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VN061321.D
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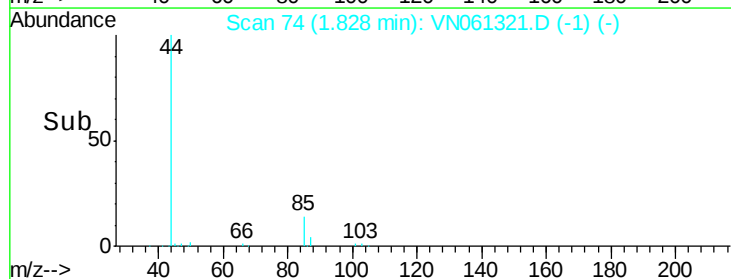
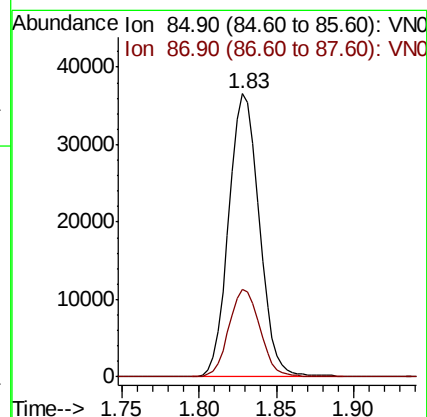
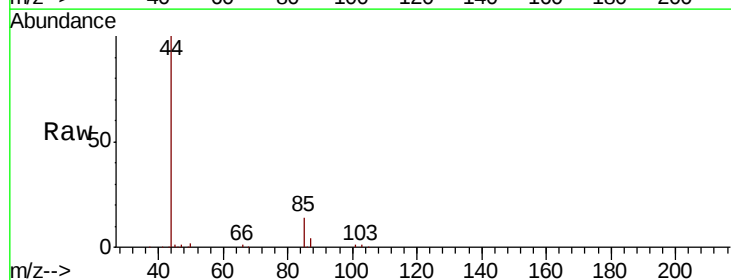
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 102276
Ion Ratio Lower Upper
168 100
99 62.9 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 46.254 ug/l
RT: 1.83 min Scan# 74
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 85 Resp: 50165
Ion Ratio Lower Upper
85 100
87 30.9 16.1 48.2





#3

Chloromethane

Concen: 50.204 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

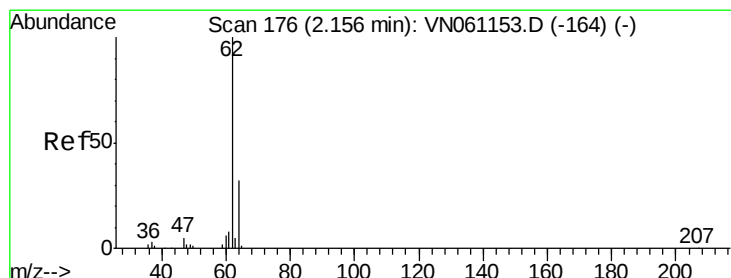
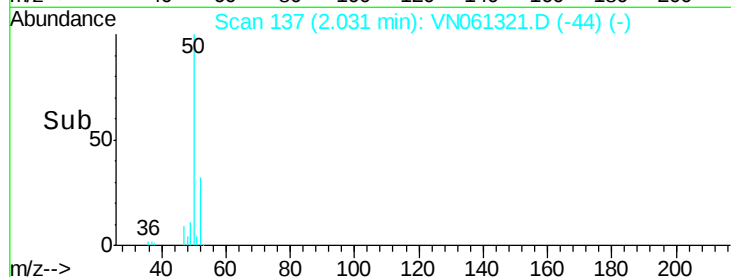
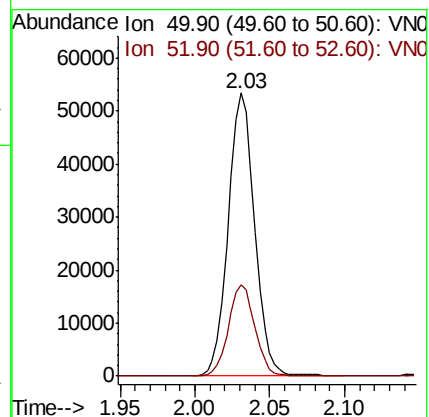
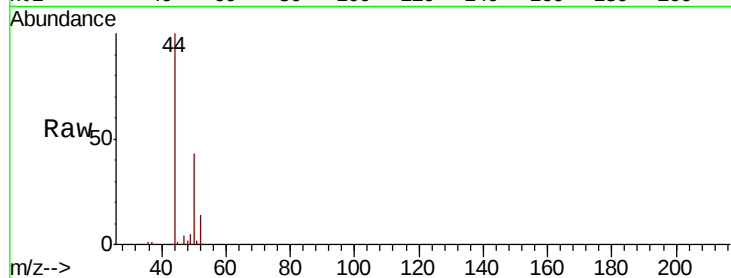
ClientSampleId :

Tot Ion: 50 Resp: 65945

Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



#4

Vinyl Chloride

Concen: 50.758 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061321.D

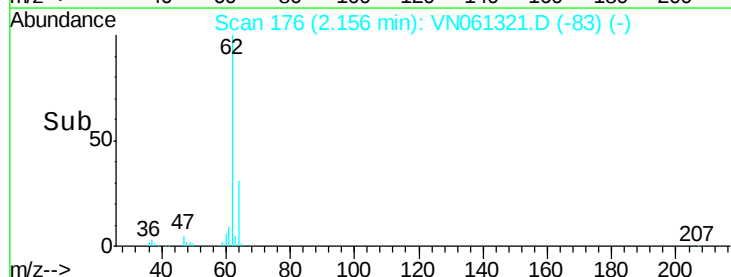
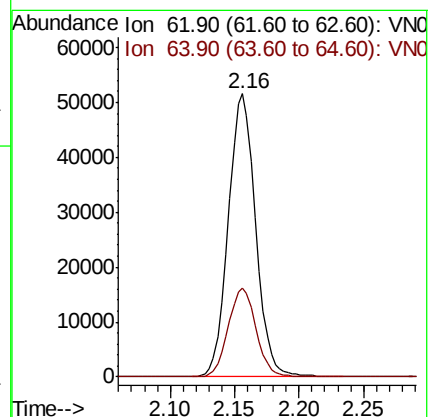
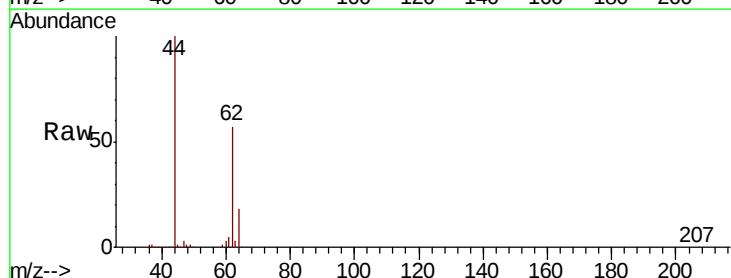
Acq: 6 May 2020 19:41

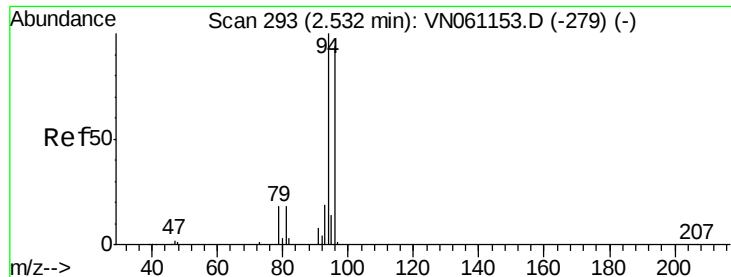
Tgt Ion: 62 Resp: 75727

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 42.254 ug/l

RT: 2.53 min Scan# 291

Delta R.T. -0.01 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

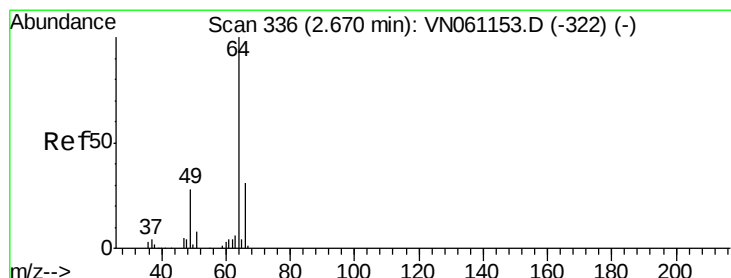
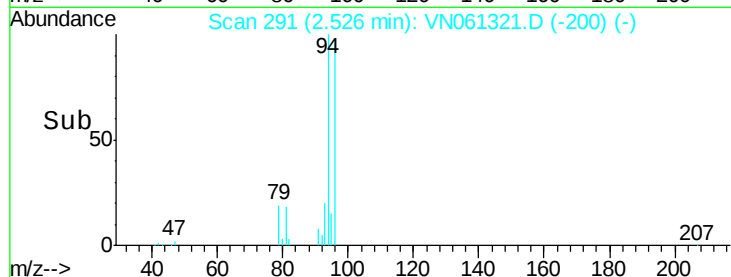
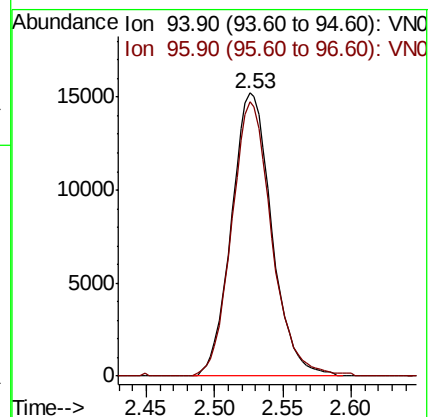
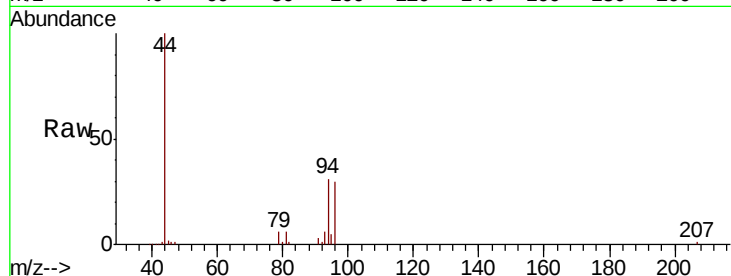
ClientSampleId :

Tot Ion: 94 Resp: 31161

Ion Ratio Lower Upper

94 100

96 96.8 75.1 112.7



#6

Chloroethane

Concen: 49.019 ug/l

RT: 2.67 min Scan# 335

Delta R.T. -0.00 min

Lab File: VN061321.D

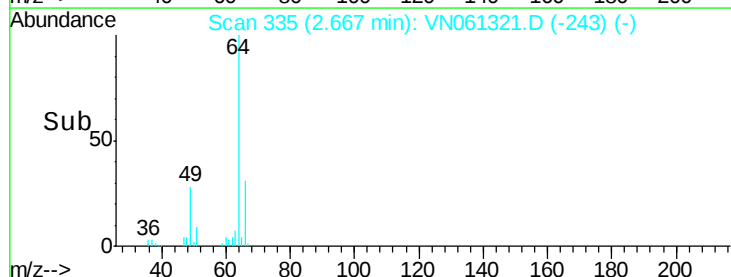
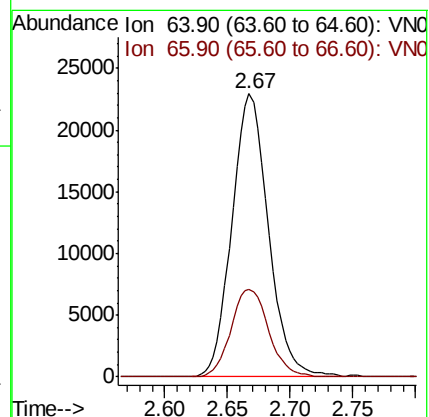
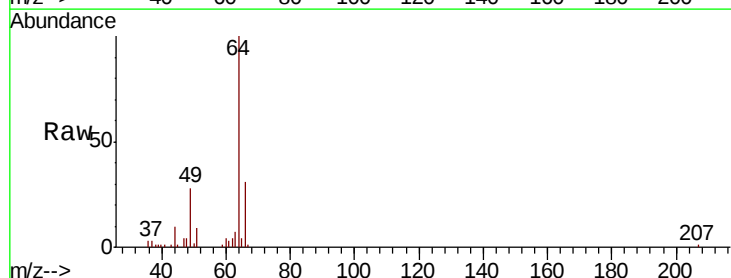
Acq: 6 May 2020 19:41

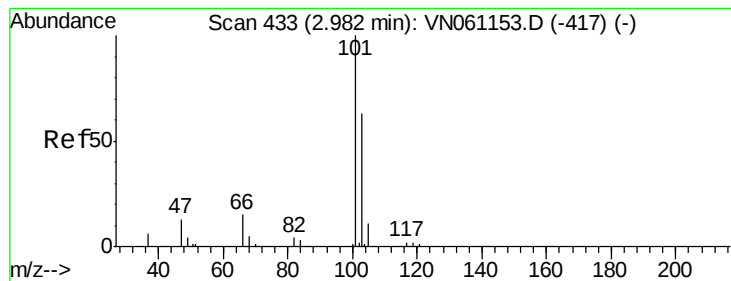
Tgt Ion: 64 Resp: 46354

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8



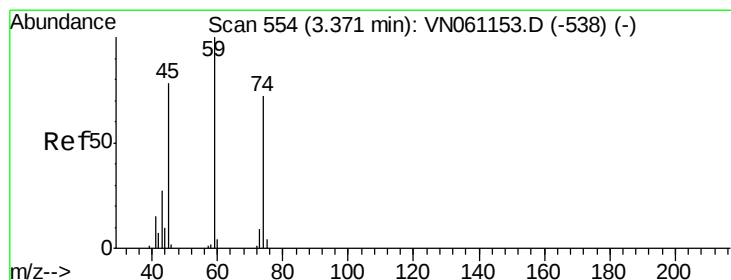
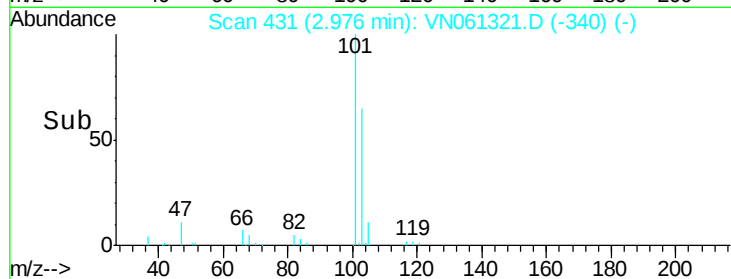
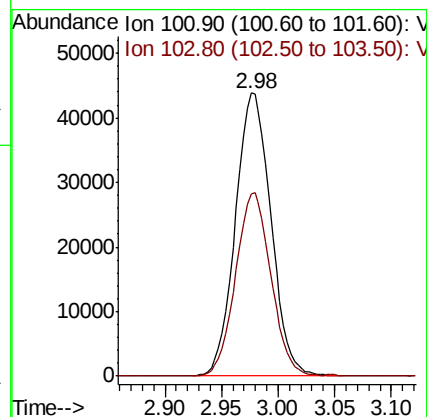
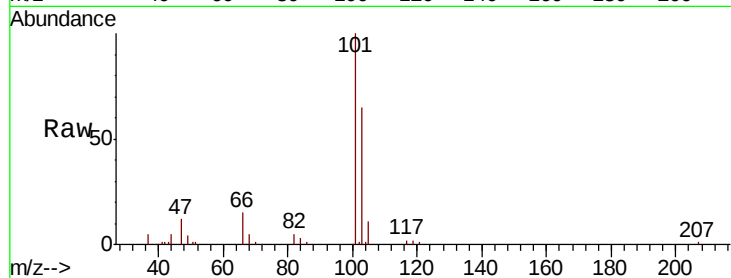


#7

Trichlorofluoromethane
 Concen: 57.092 ug/l
 RT: 2.98 min Scan# 431
 Delta R.T. -0.01 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :

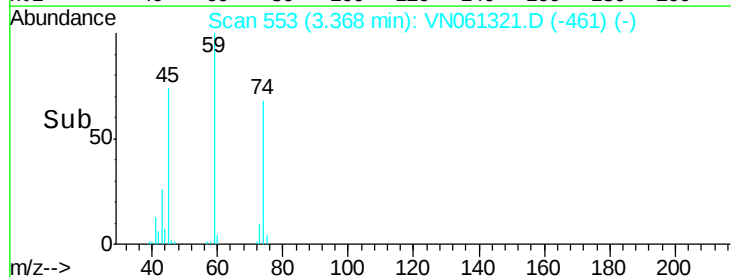
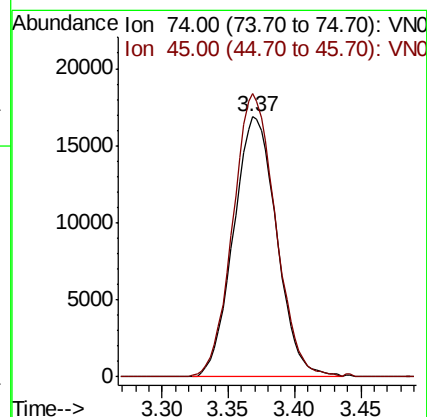
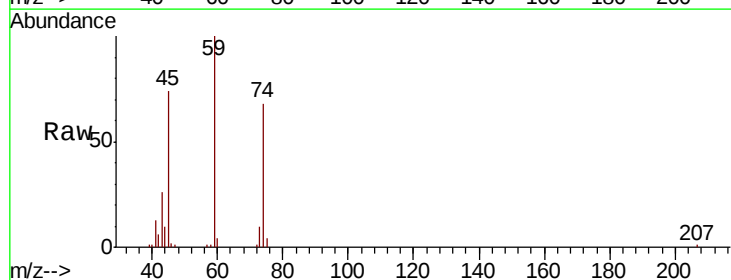
Tot Ion:101 Resp: 96097
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.6 76.0

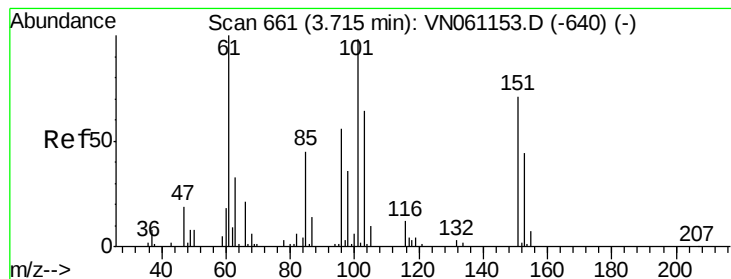


#8

Diethyl Ether
 Concen: 54.427 ug/l
 RT: 3.37 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion: 74 Resp: 38212
 Ion Ratio Lower Upper
 74 100
 45 107.5 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.152 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

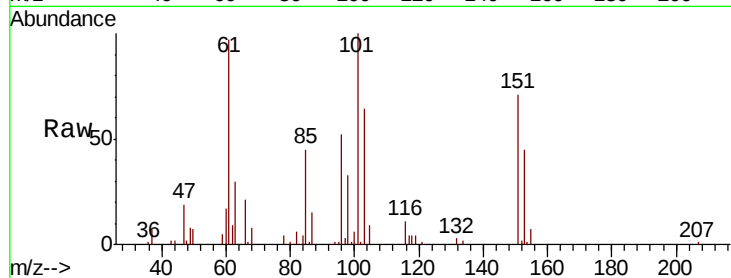
Tot Ion:101 Resp: 54383

Ion Ratio Lower Upper

101 100

85 46.2 37.2 55.8

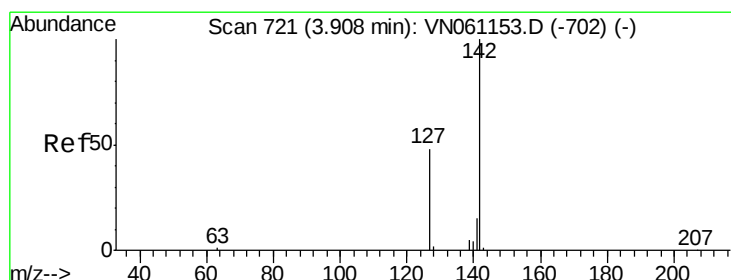
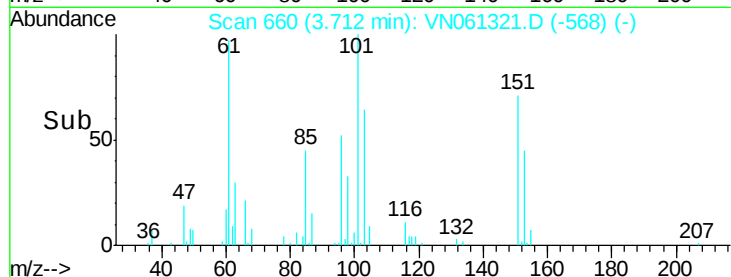
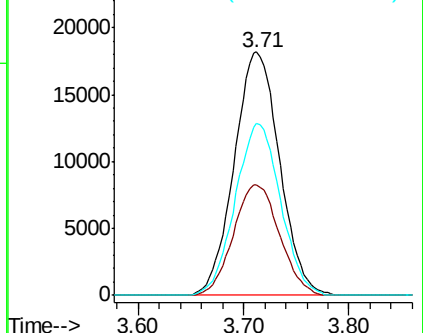
151 70.6 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.668 ug/l

RT: 3.91 min Scan# 720

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

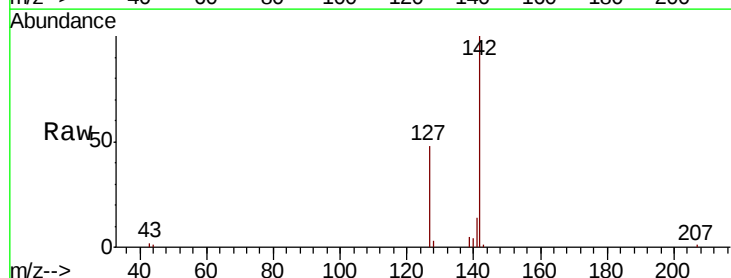
Tgt Ion:142 Resp: 55280

Ion Ratio Lower Upper

142 100

127 47.4 38.0 57.0

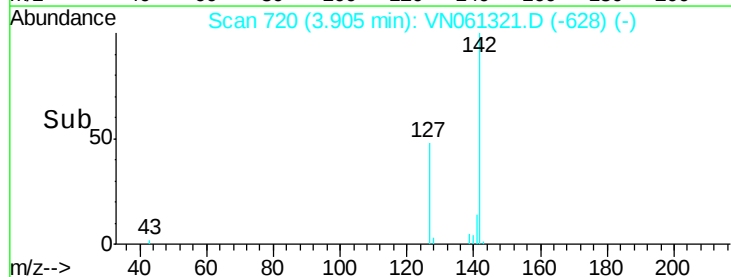
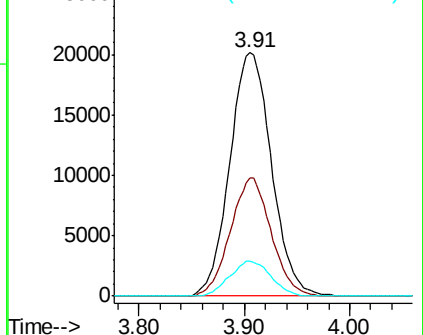
141 14.1 11.7 17.5

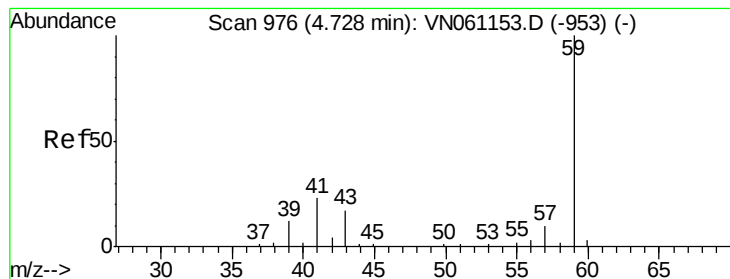


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



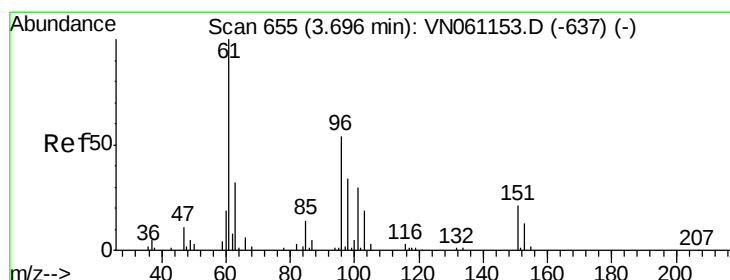
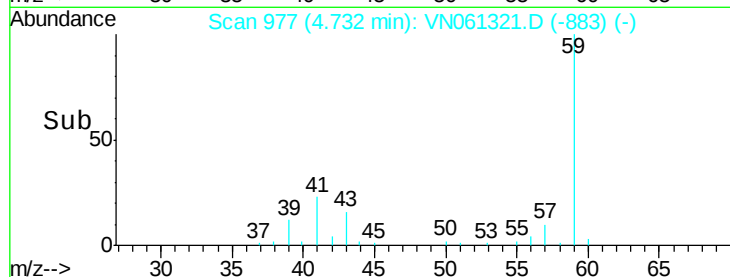
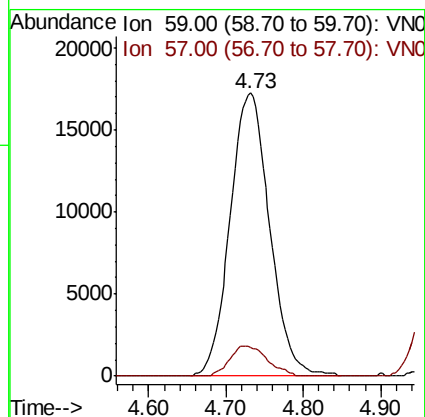
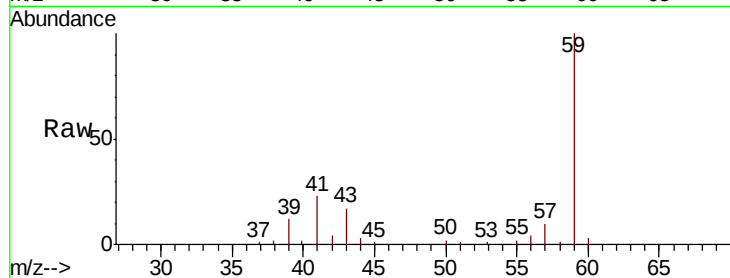


#11

Tert butyl alcohol
 Concen: 282.647 ug/l
 RT: 4.73 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :

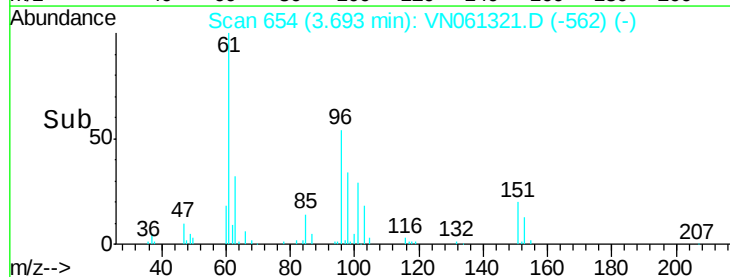
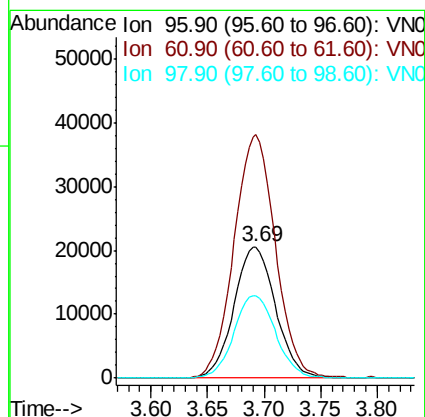
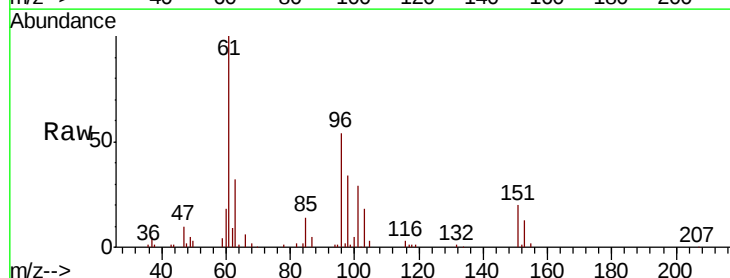
Tot Ion: 59 Resp: 61274
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.3 12.5

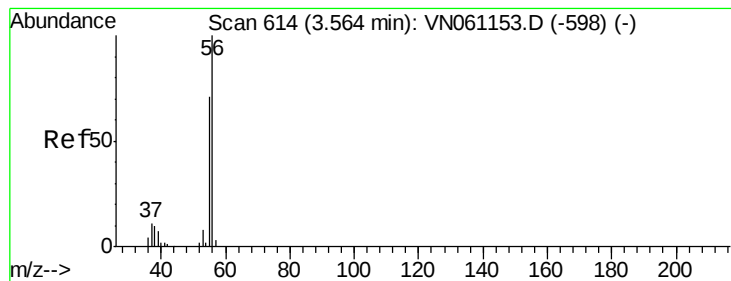


#12

1,1-Dichloroethene
 Concen: 48.812 ug/l
 RT: 3.69 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion: 96 Resp: 52673
 Ion Ratio Lower Upper
 96 100
 61 185.5 147.0 220.6
 98 62.7 49.8 74.6





#13

Acrolein

Concen: 224.833 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

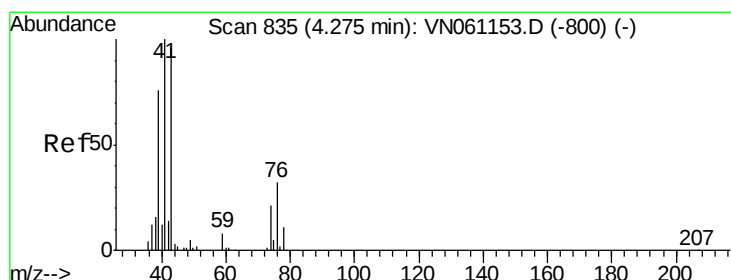
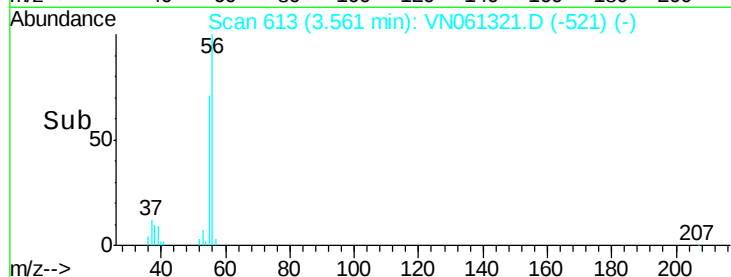
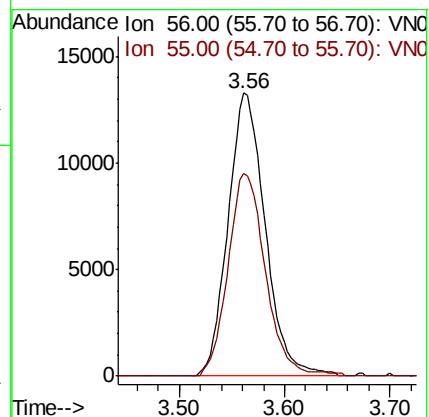
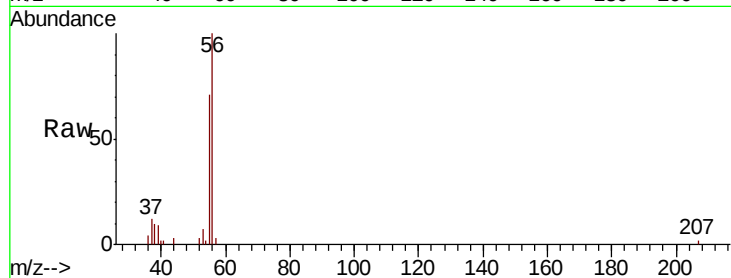
ClientSampled :

Tot Ion: 56 Resp: 32481

Ion Ratio Lower Upper

56 100

55 72.0 58.5 87.7



#14

Allyl chloride

Concen: 56.563 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

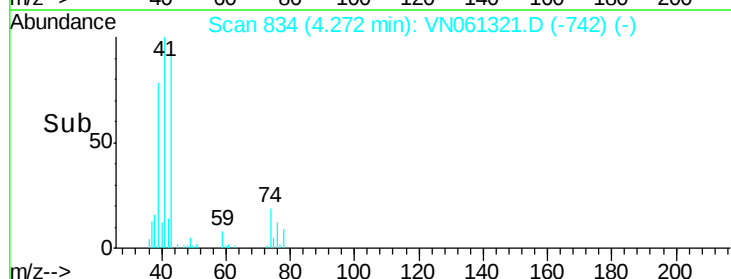
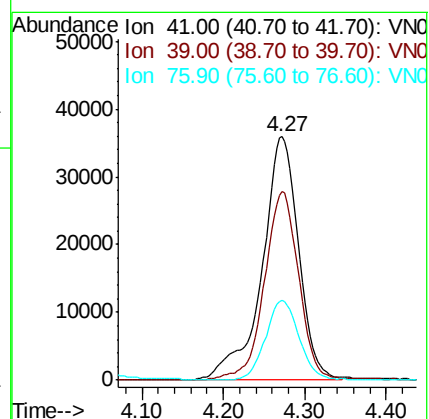
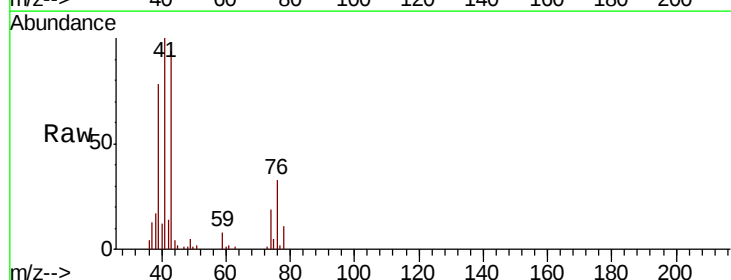
Tgt Ion: 41 Resp: 113173

Ion Ratio Lower Upper

41 100

39 72.4 57.1 85.7

76 29.7 24.3 36.5





#15

Acrylonitrile

Concen: 272.941 ug/l

RT: 4.93 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

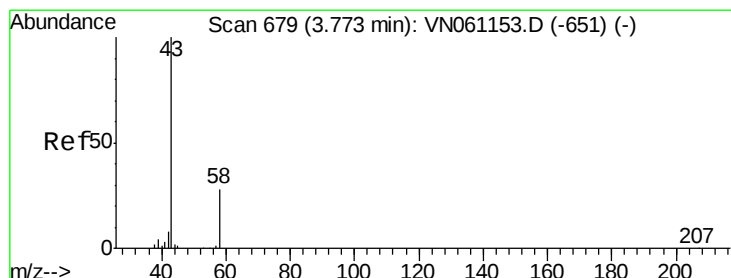
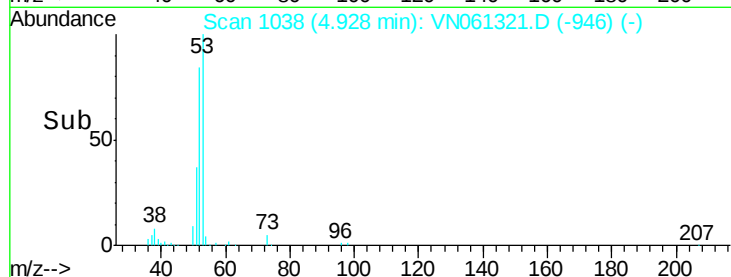
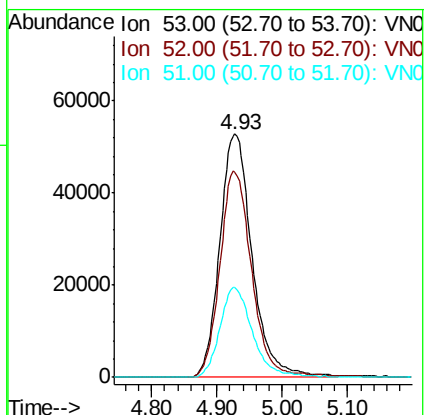
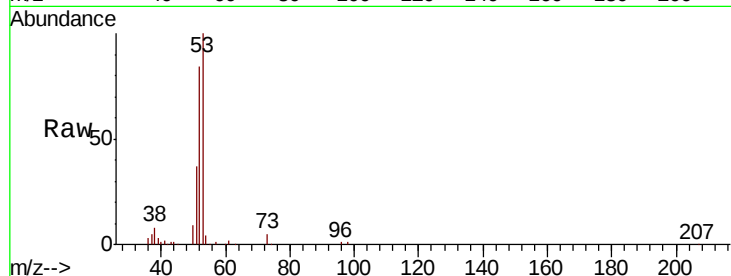
Tot Ion: 53 Resp: 181636

Ion Ratio Lower Upper

53 100

52 82.8 65.4 98.0

51 37.3 29.5 44.3



#16

Acetone

Concen: 260.178 ug/l

RT: 3.77 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN061321.D

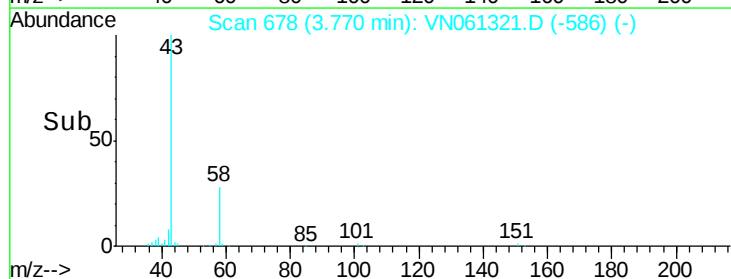
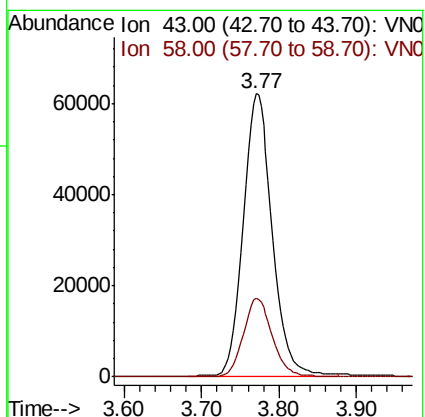
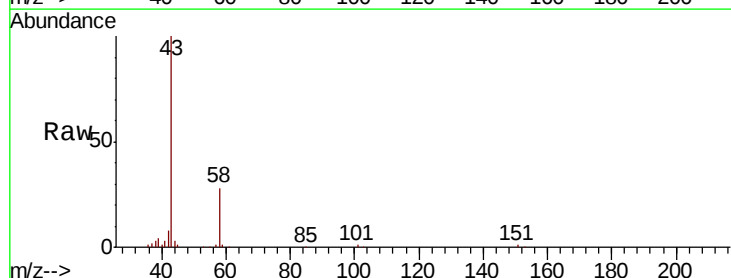
Acq: 6 May 2020 19:41

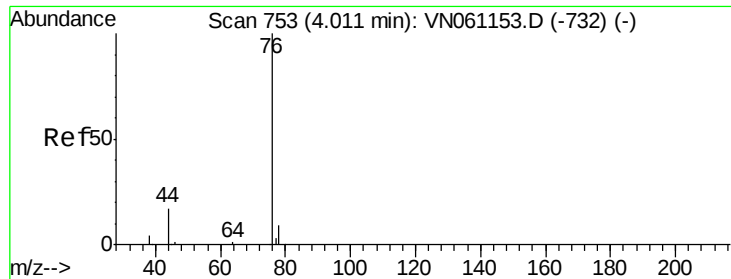
Tgt Ion: 43 Resp: 162700

Ion Ratio Lower Upper

43 100

58 27.9 22.2 33.2

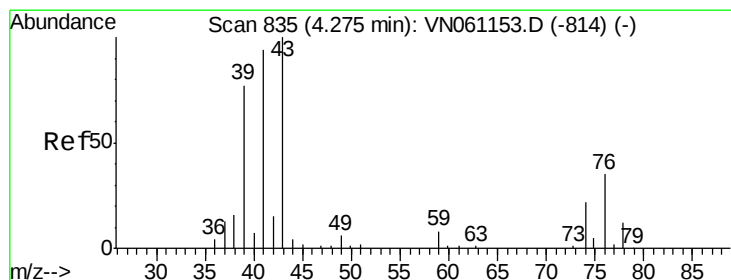
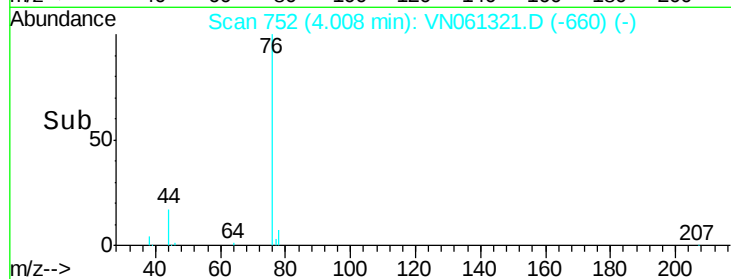
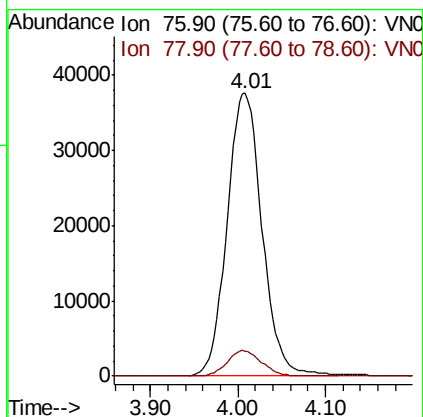
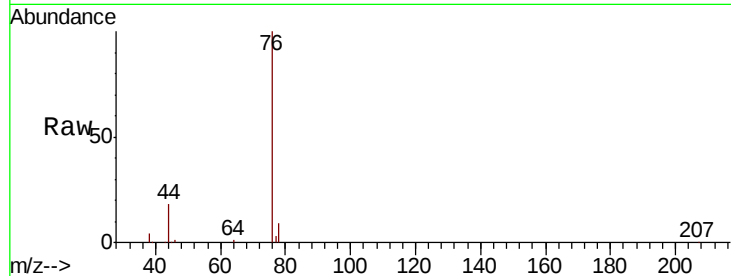




#17
Carbon Disulfide
Concen: 34.949 ug/l
RT: 4.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

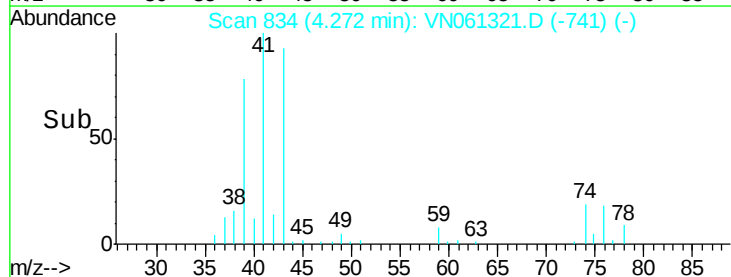
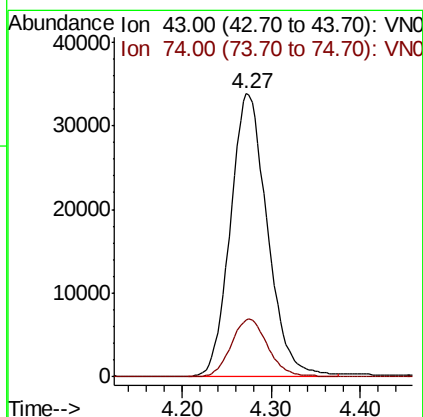
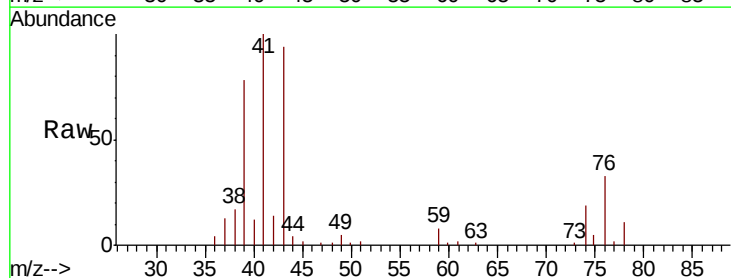
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 104176
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 47.798 ug/l
RT: 4.27 min Scan# 834
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 43 Resp: 97581
Ion Ratio Lower Upper
43 100
74 20.2 17.0 25.4

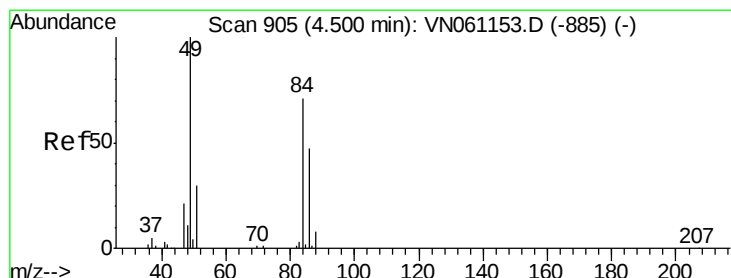
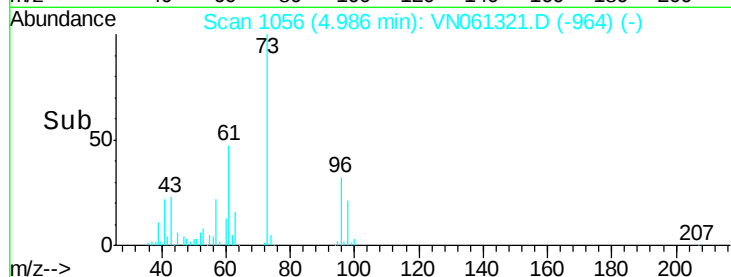
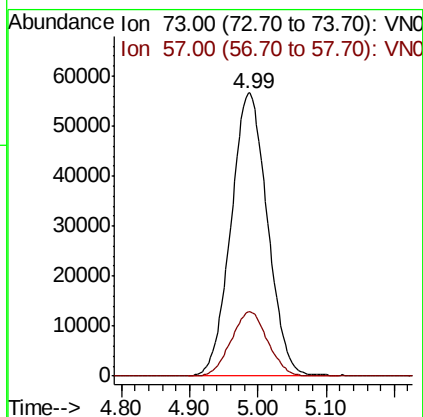
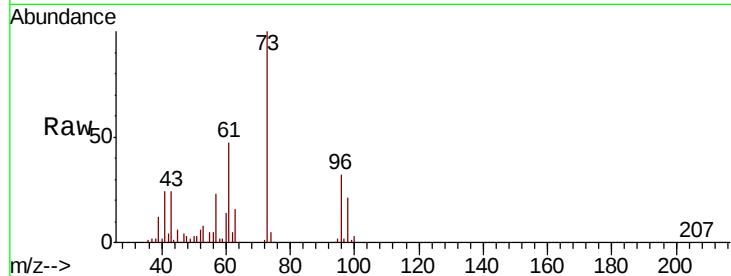




#19
Methvl tert-butvl Ether
Concen: 51.001 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

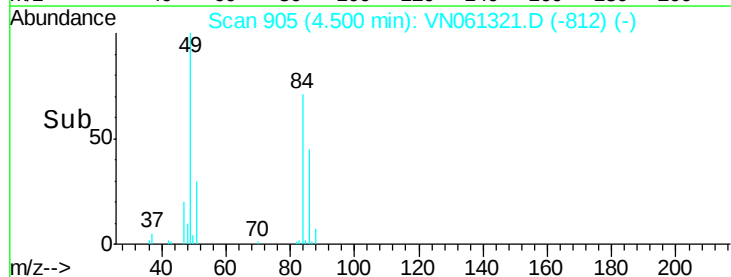
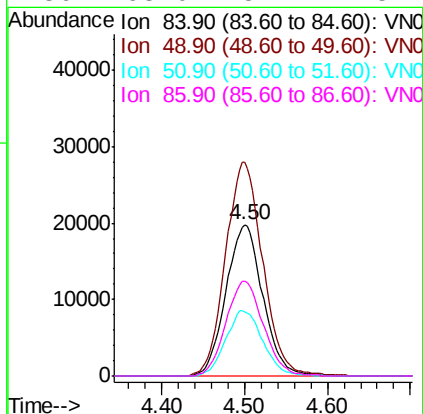
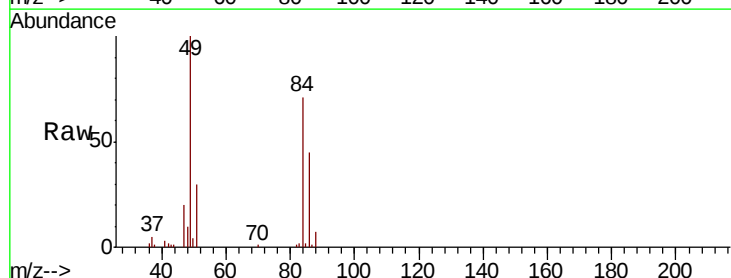
Instrument :
MSVOA_N
ClientSampleId :

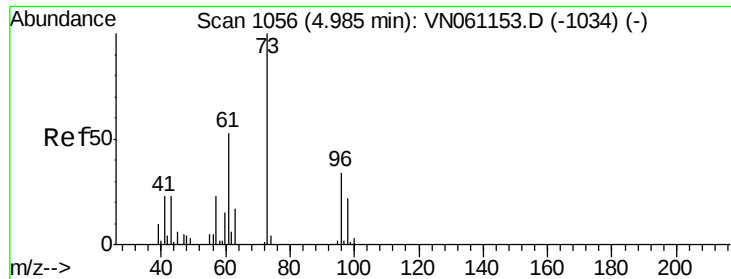
Tot Ion: 73 Resp: 210293
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5



#20
Methylene Chloride
Concen: 48.486 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 84 Resp: 61185
Ion Ratio Lower Upper
84 100
49 141.2 112.0 168.0
51 42.5 33.6 50.4
86 63.0 52.1 78.1



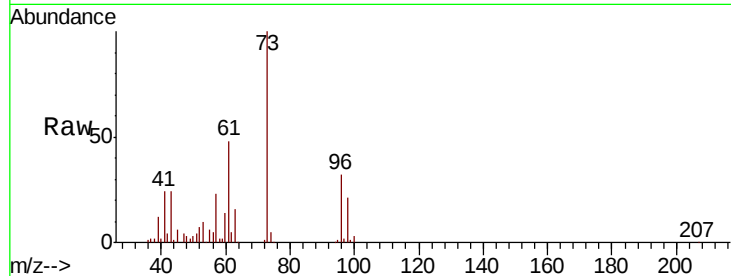


#21

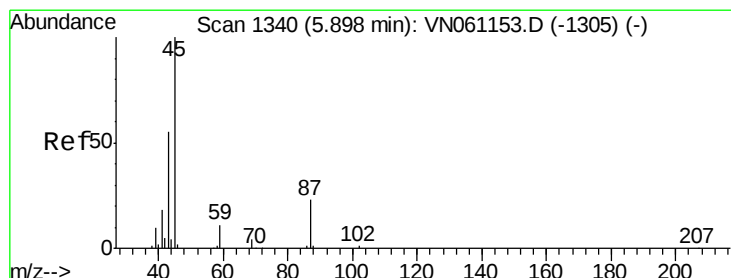
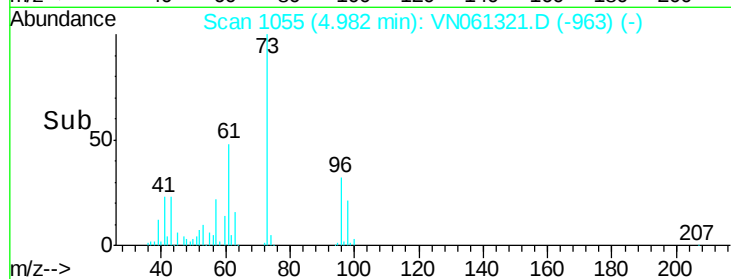
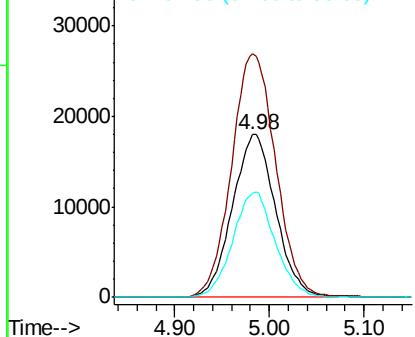
trans-1,2-Dichloroethene
Concen: 48.566 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 57067
Ion Ratio Lower Upper
96 100
61 149.7 123.0 184.4
98 63.7 50.1 75.1



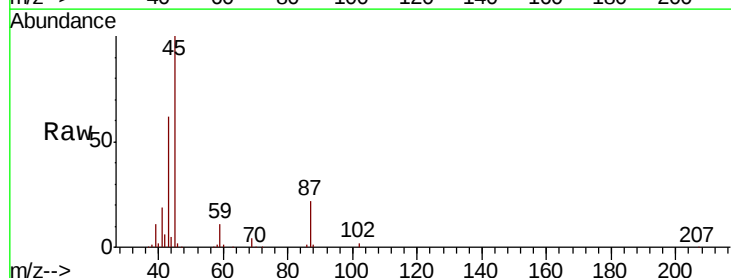
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



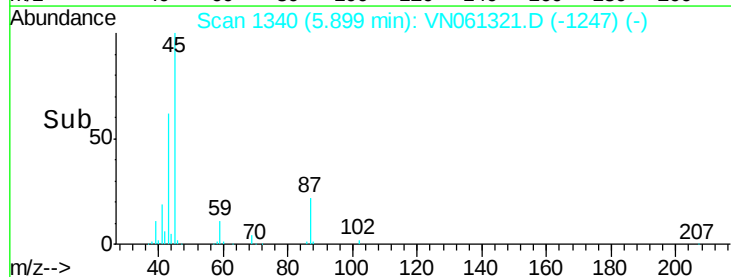
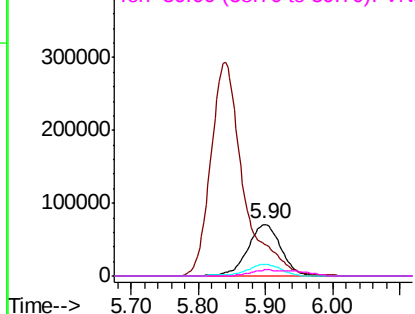
#22

Diisopropyl ether
Concen: 52.201 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 45 Resp: 242202
Ion Ratio Lower Upper
45 100
43 60.9 47.9 71.9
87 22.4 19.2 28.8
59 11.0 9.0 13.4



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

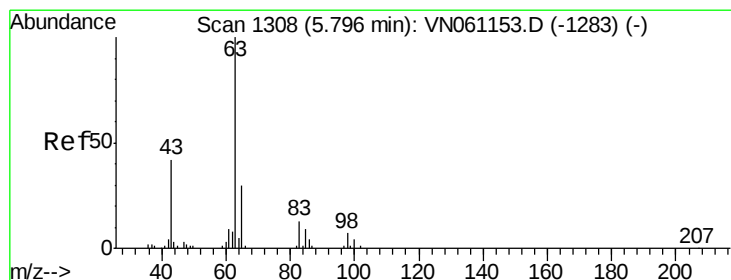
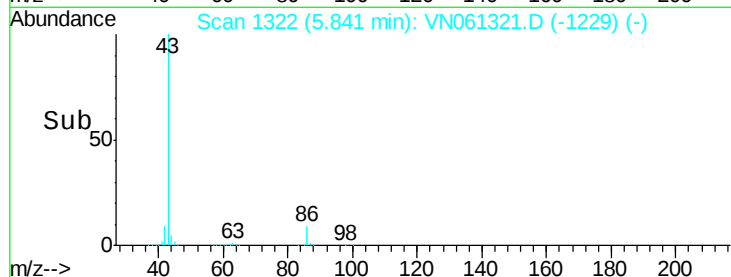
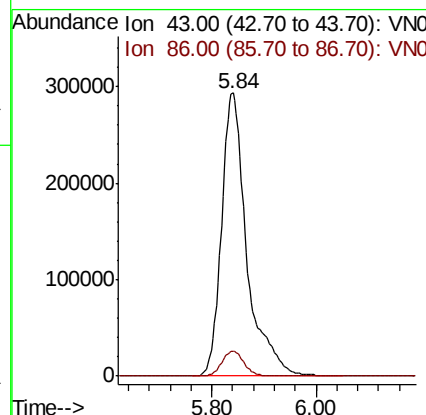
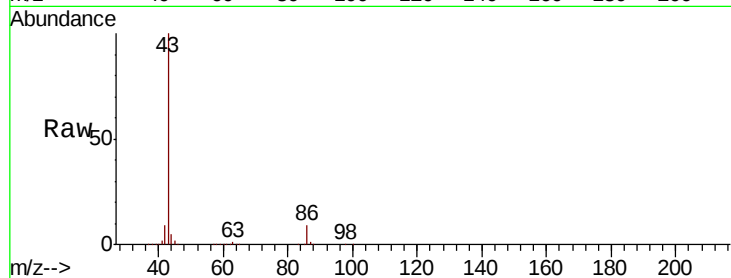




#23
 Vinyl Acetate
 Concen: 265.251 ug/l
 RT: 5.84 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

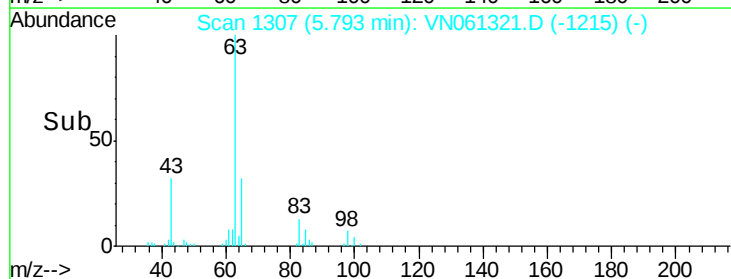
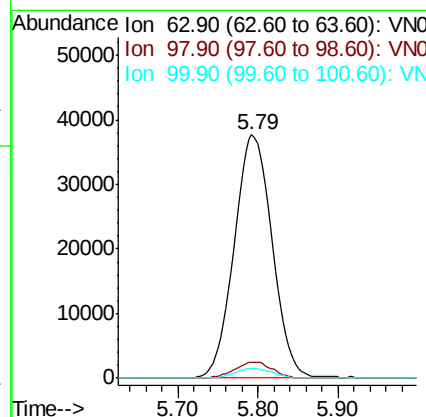
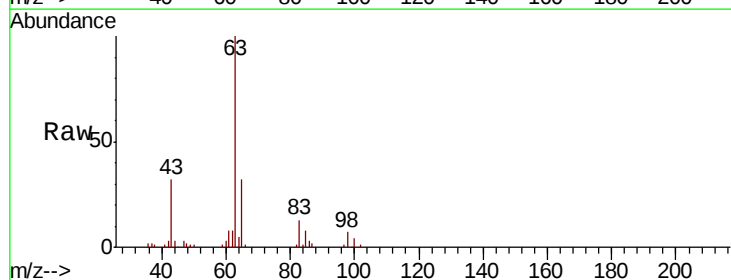
Instrument :
 MSVOA_N
 ClientSampleId :

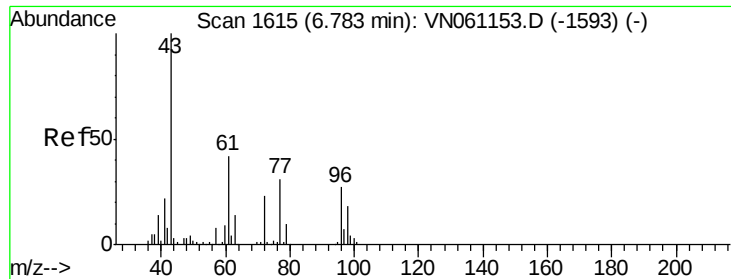
Tot Ion: 43 Resp: 990938
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 50.058 ug/l
 RT: 5.79 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion: 63 Resp: 121350
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 3.9 1.9 5.7

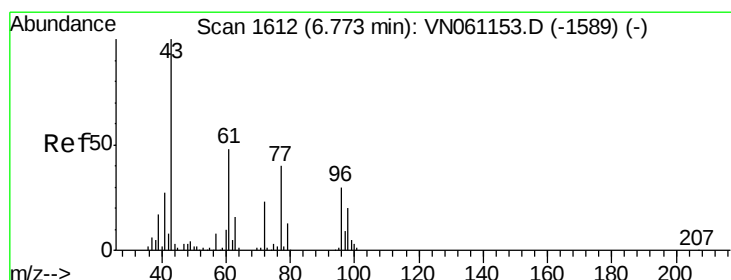
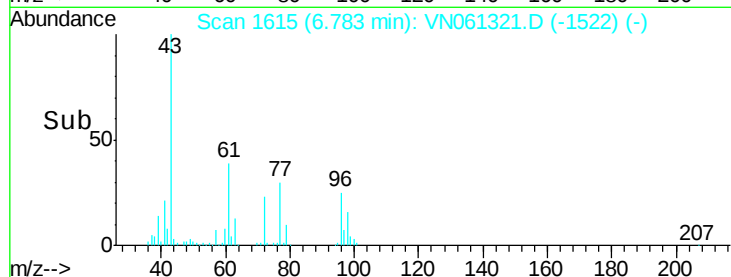
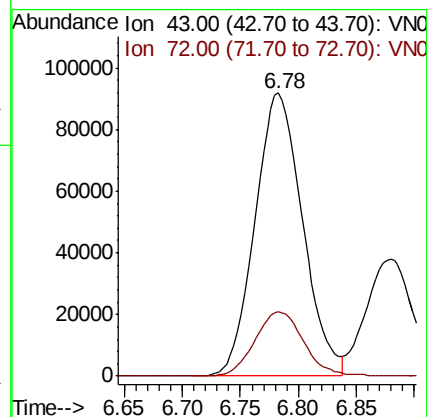
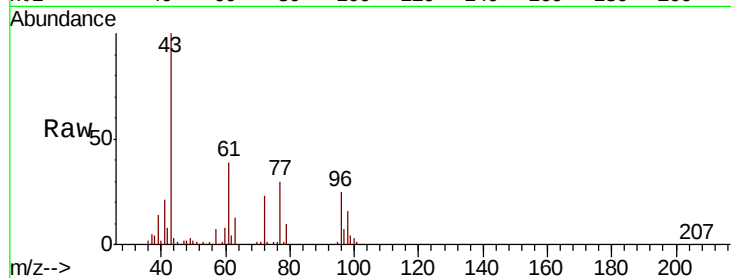




#25
2-Butanone
Concen: 274.172 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

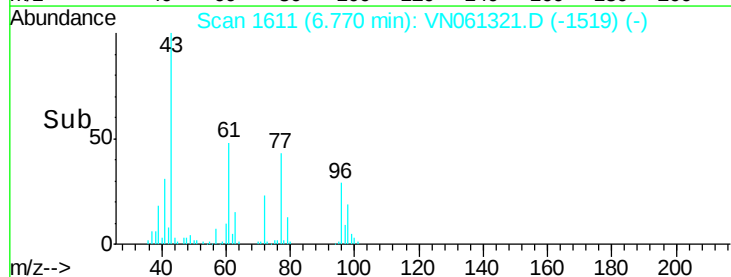
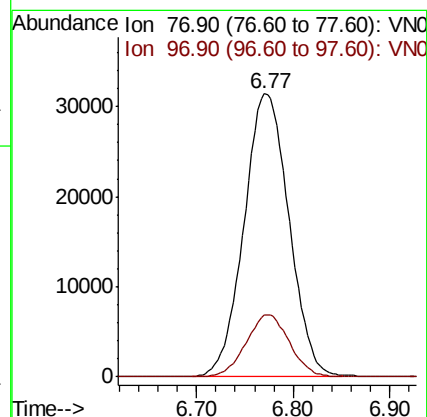
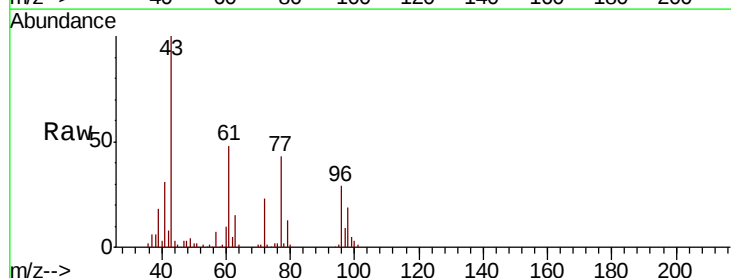
Instrument :
MSVOA_N
ClientSampled :

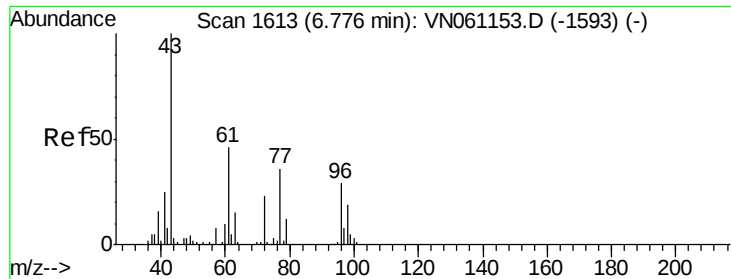
Tot Ion: 43 Resp: 262551
Ion Ratio Lower Upper
43 100
72 22.7 18.2 27.4



#26
2,2-Dichloropropane
Concen: 49.722 ug/l
RT: 6.77 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 77 Resp: 101527
Ion Ratio Lower Upper
77 100
97 21.1 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 49.461 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :

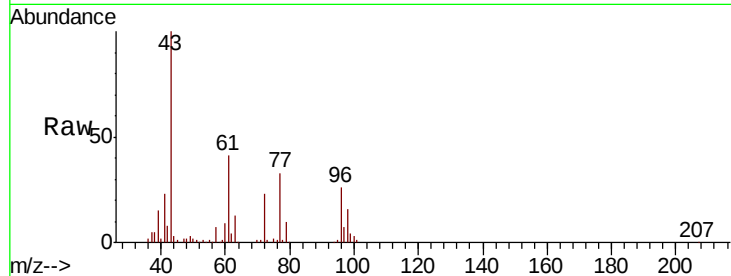
Tot Ion: 96 Resp: 68203

Ion Ratio Lower Upper

96 100

61 161.4 0.0 322.0

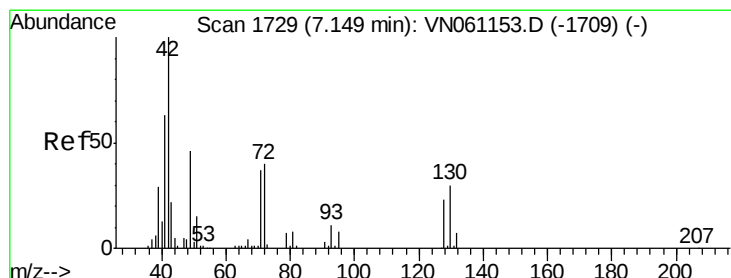
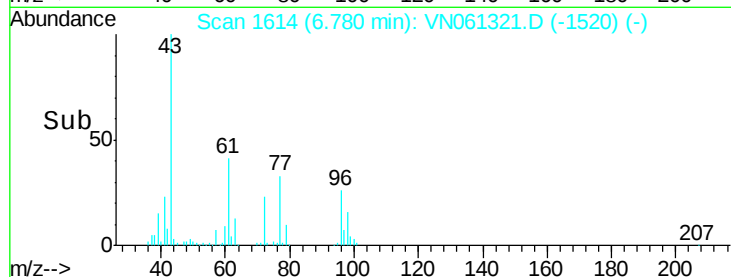
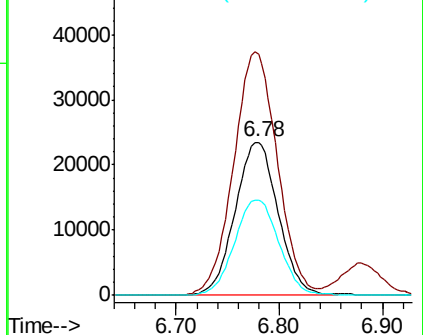
98 64.3 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN061321.D (-1520) (-)

Ion 60.90 (60.60 to 61.60): VN061321.D (-1520) (-)

Ion 97.90 (97.60 to 98.60): VN061321.D (-1520) (-)



#28

Bromochloromethane

Concen: 50.886 ug/l

RT: 7.15 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

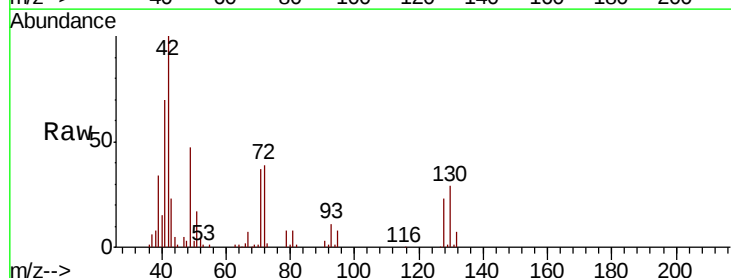
Tgt Ion: 49 Resp: 58469

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.0

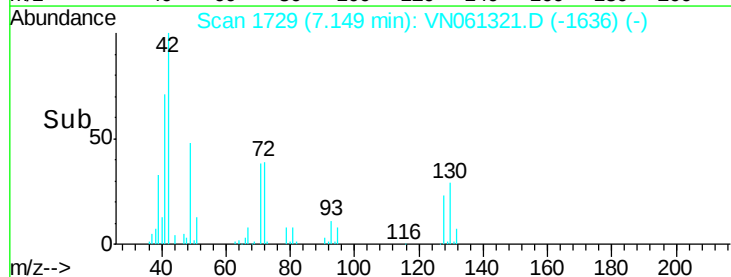
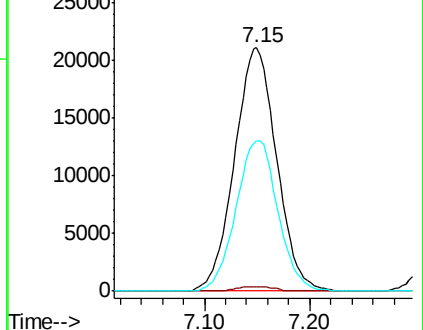
130 61.5 51.4 77.2



Abundance Ion 48.90 (48.60 to 49.60): VN061321.D (-1636) (-)

Ion 128.80 (128.50 to 129.50): VN061321.D (-1636) (-)

Ion 129.80 (129.50 to 130.50): VN061321.D (-1636) (-)

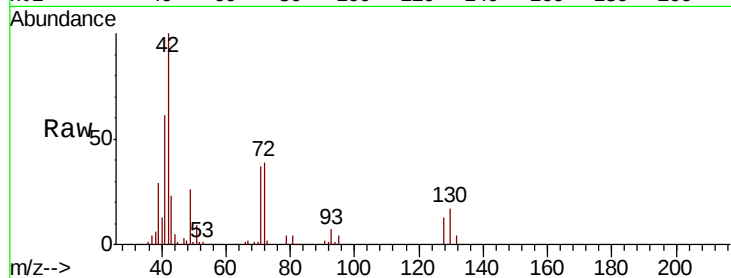




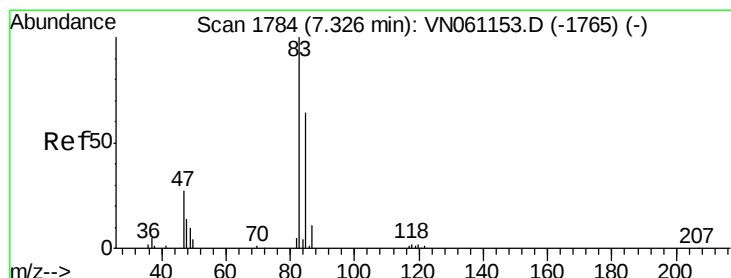
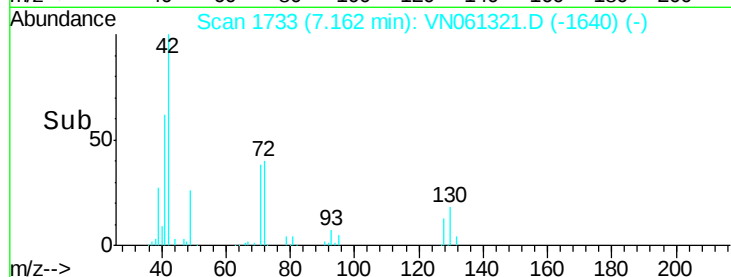
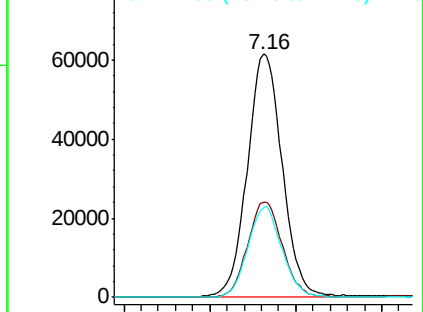
#29
Tetrahydrofuran
Concen: 270.278 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 174348
Ion Ratio Lower Upper
42 100
72 39.1 31.4 47.0
71 36.2 29.5 44.3

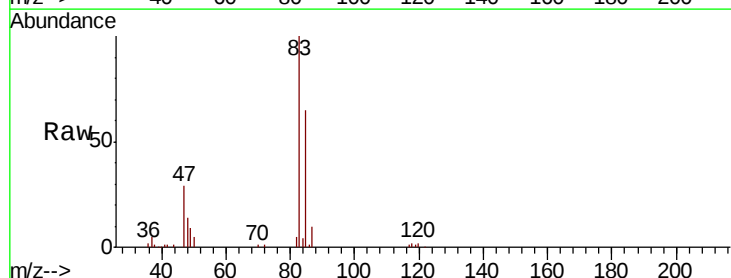


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

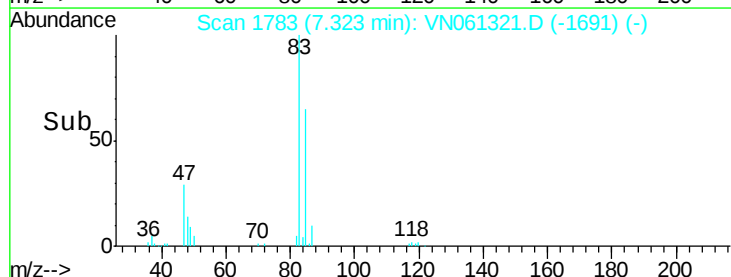
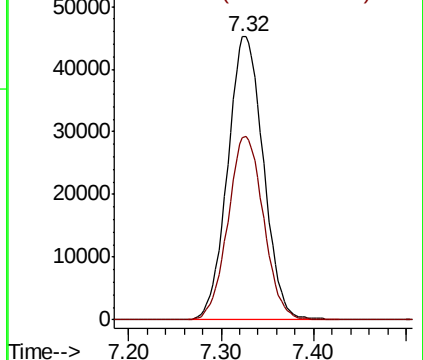


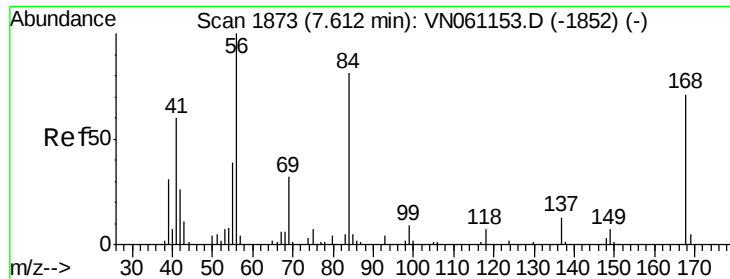
#30
Chloroform
Concen: 49.139 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 83 Resp: 120718
Ion Ratio Lower Upper
83 100
85 64.6 51.1 76.7



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

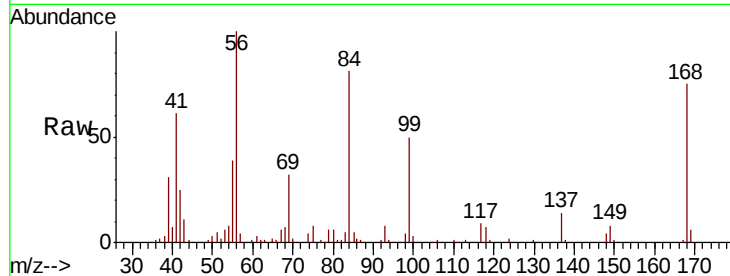




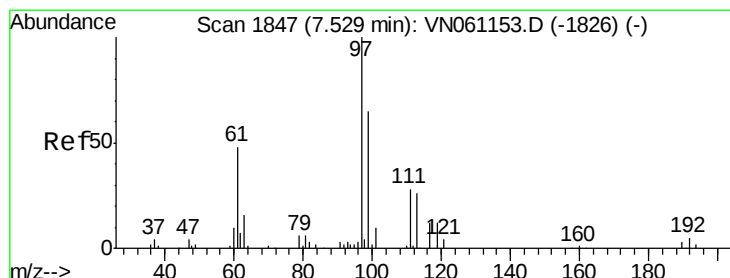
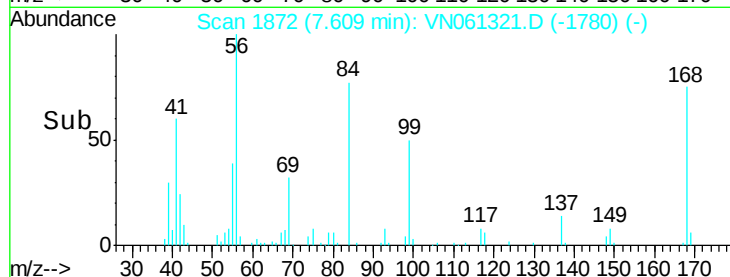
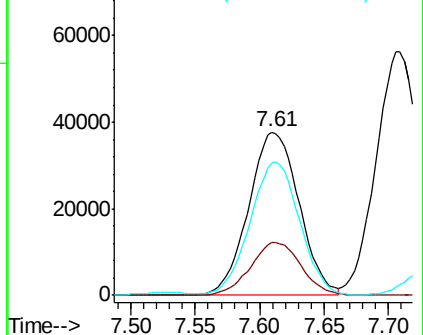
#31
Cyclohexane
Concen: 43.571 ug/l
RT: 7.61 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 102578
Ion Ratio Lower Upper
56 100
69 32.3 25.7 38.5
84 79.9 64.6 97.0

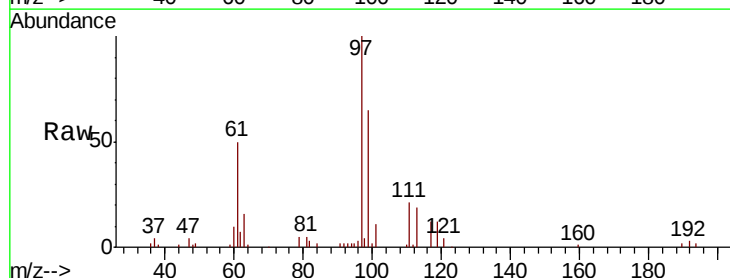


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

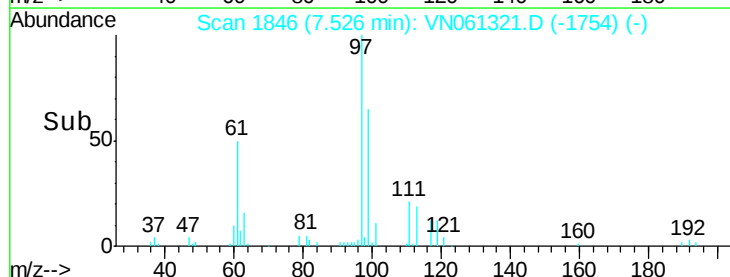
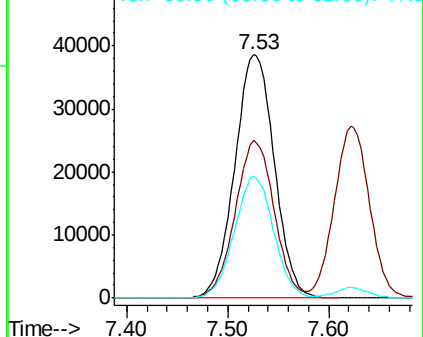


#32
1,1,1-Trichloroethane
Concen: 49.156 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 97 Resp: 105157
Ion Ratio Lower Upper
97 100
99 63.9 51.3 76.9
61 49.6 38.6 57.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

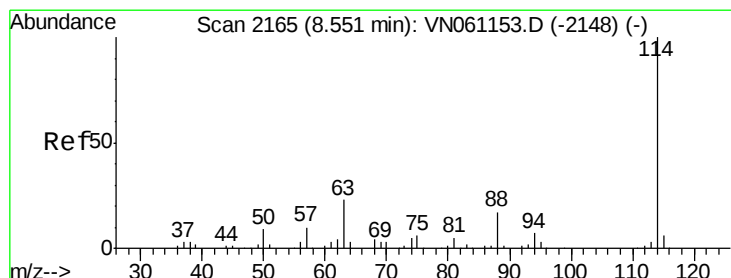
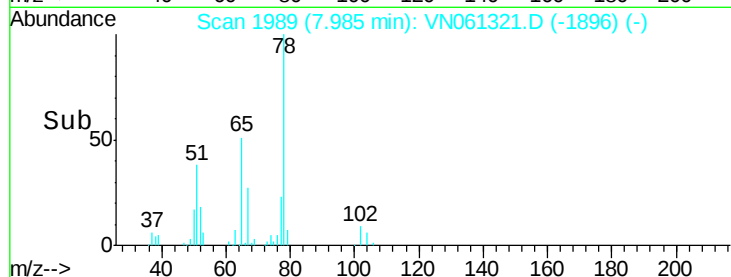
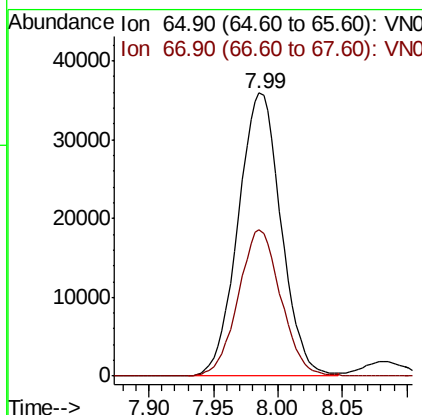
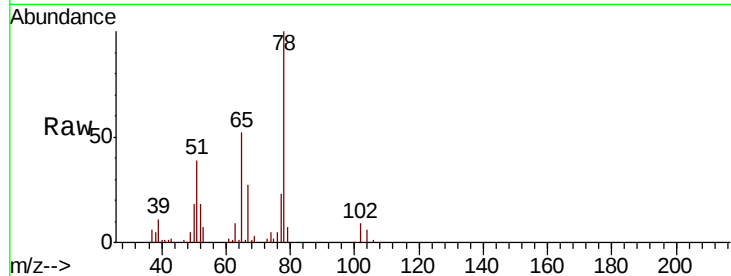




#33
 1,2-Dichloroethane-d4
 Concen: 51.547 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

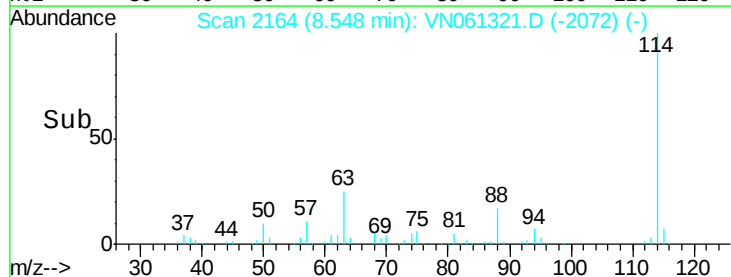
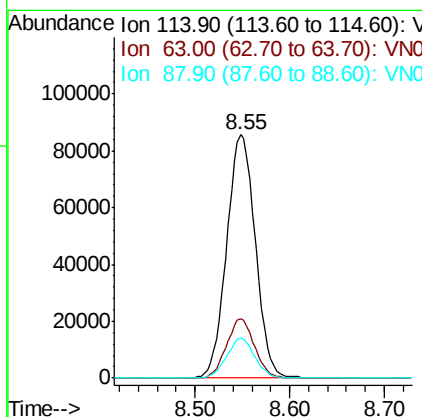
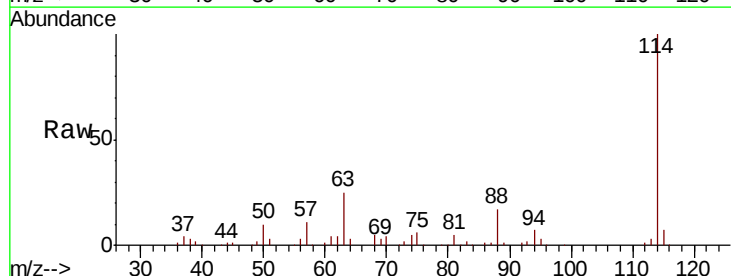
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 83419
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion: 114 Resp: 180478
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 46.6
 88 16.5 0.0 33.4

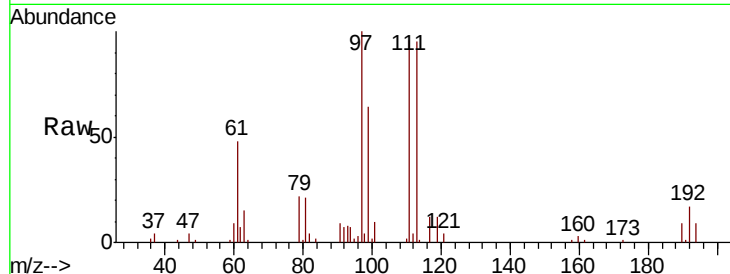




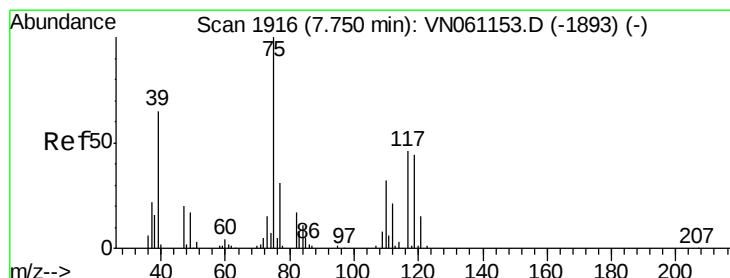
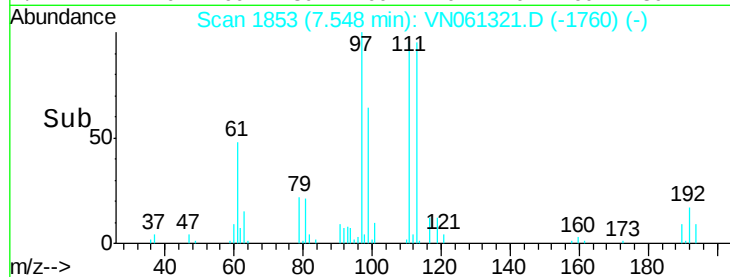
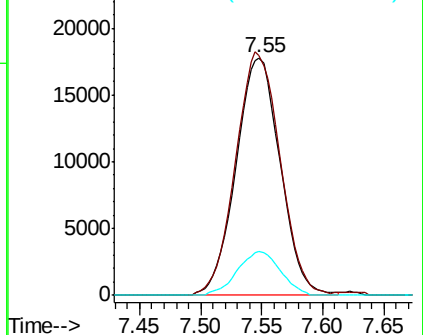
#35
 Dibromofluoromethane
 Concen: 41.789 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 44598
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 17.8 14.7 22.1

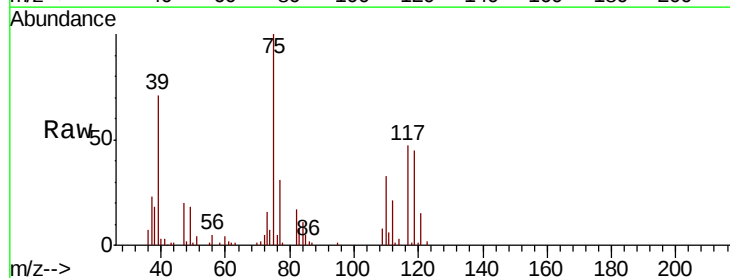


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

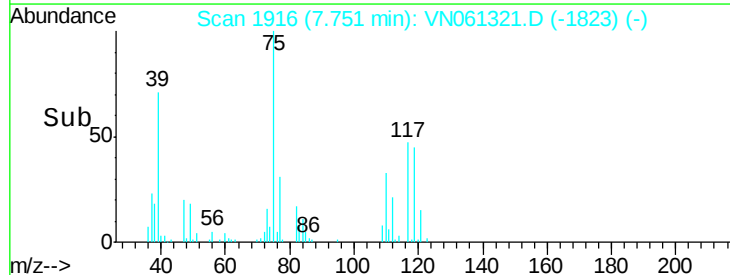
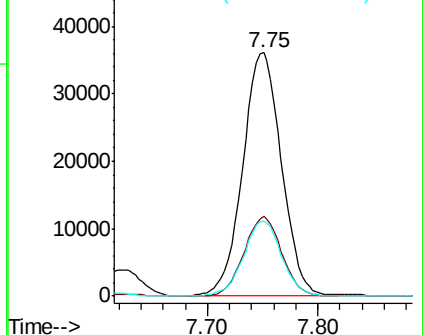


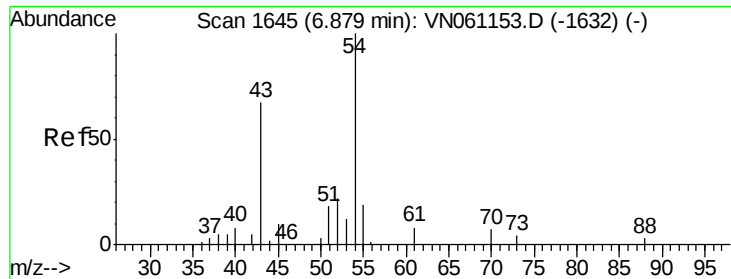
#36
 1,1-Dichloropropene
 Concen: 48.745 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion: 75 Resp: 88066
 Ion Ratio Lower Upper
 75 100
 110 31.5 16.0 48.0
 77 30.3 24.6 37.0



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

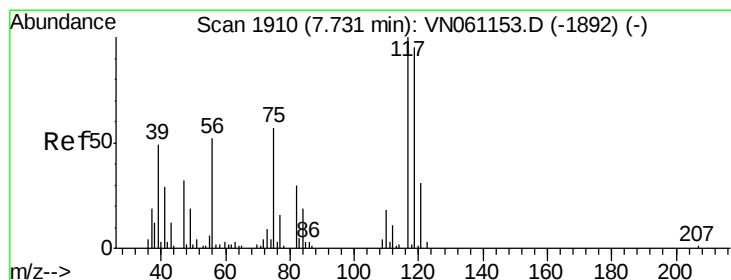
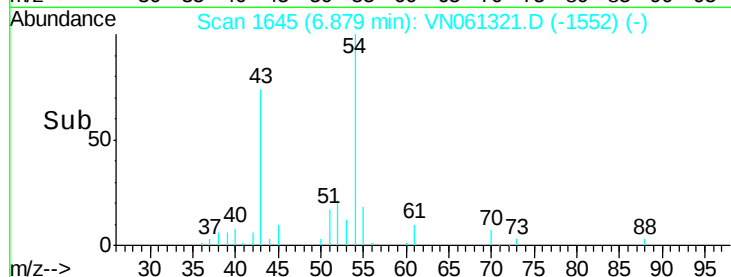
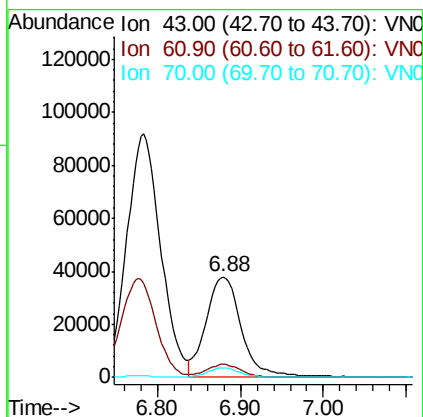
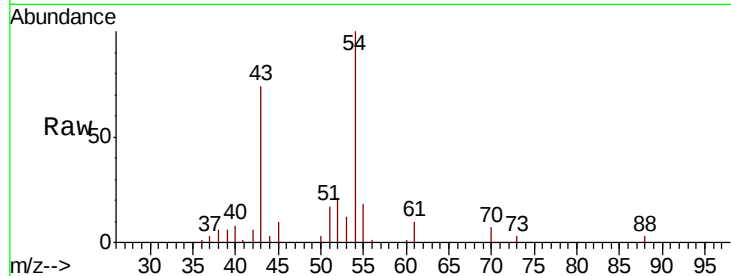




#37
Ethyl Acetate
Concen: 52.174 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

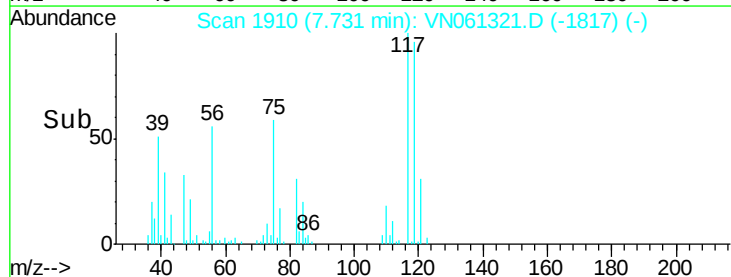
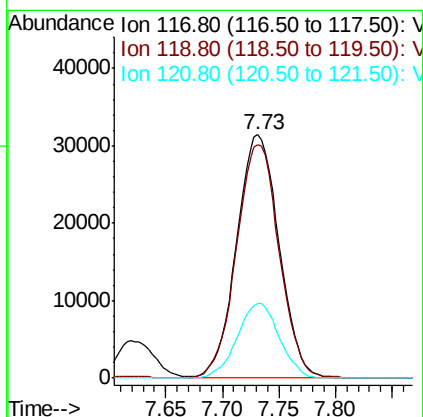
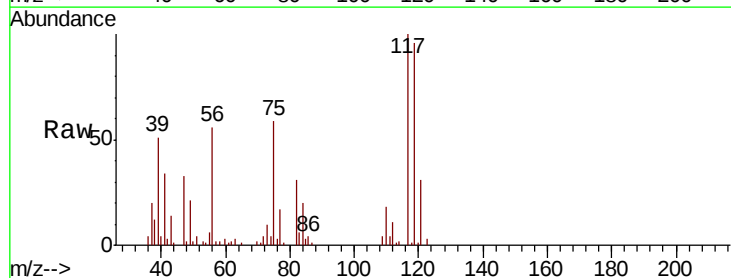
Instrument :
MSVOA_N
ClientSampled :

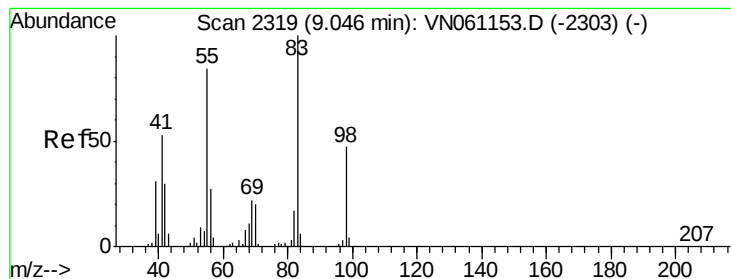
Tot Ion: 43 Resp: 110505
Ion Ratio Lower Upper
43 100
61 12.8 10.2 15.2
70 8.9 7.2 10.8



#38
Carbon Tetrachloride
Concen: 49.824 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 117 Resp: 82114
Ion Ratio Lower Upper
117 100
119 96.1 75.8 113.6
121 30.6 24.7 37.1





#39

Methvlcvclohexane

Concen: 42.062 ug/l

RT: 9.05 min Scan# 2319

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

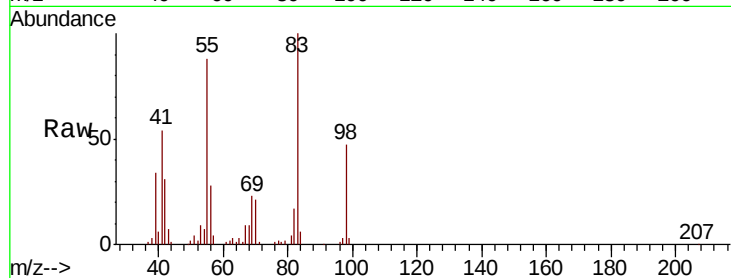
Tot Ion: 83 Resp: 85222

Ion Ratio Lower Upper

83 100

55 87.7 67.3 100.9

98 46.8 37.7 56.5

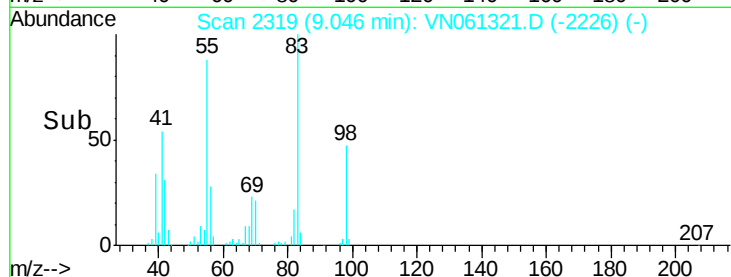


Abundance Ion 83.00 (82.70 to 83.70): VN061153.D (-2303) (-)

Ion 55.00 (54.70 to 55.70): VN061153.D (-2303) (-)

Ion 98.00 (97.70 to 98.70): VN061153.D (-2303) (-)

Time-->

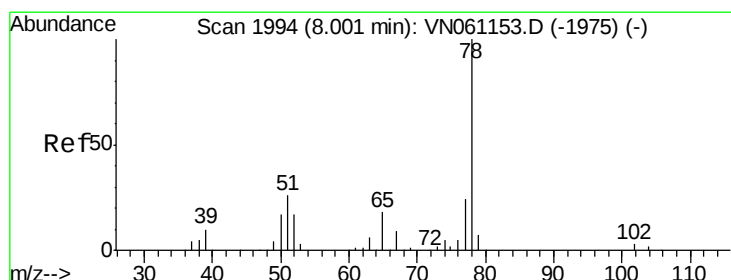


Abundance Ion 83.00 (82.70 to 83.70): VN061321.D (-2226) (-)

Ion 55.00 (54.70 to 55.70): VN061321.D (-2226) (-)

Ion 98.00 (97.70 to 98.70): VN061321.D (-2226) (-)

Time-->



#40

Benzene

Concen: 47.872 ug/l

RT: 8.00 min Scan# 1994

Delta R.T. 0.00 min

Lab File: VN061321.D

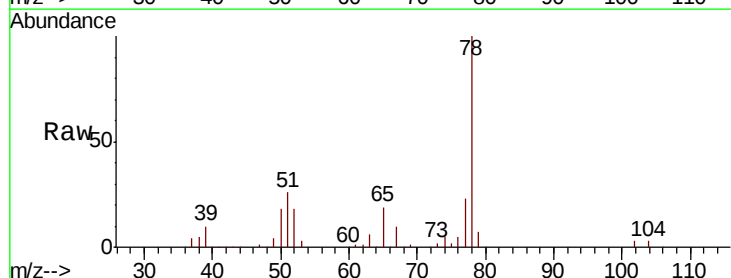
Acq: 6 May 2020 19:41

Tgt Ion: 78 Resp: 257672

Ion Ratio Lower Upper

78 100

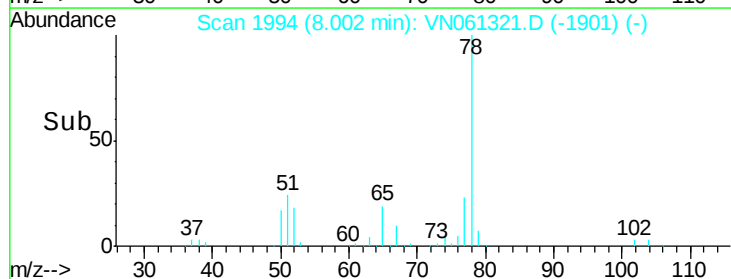
77 23.4 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN061153.D (-1975) (-)

Ion 77.00 (76.70 to 77.70): VN061153.D (-1975) (-)

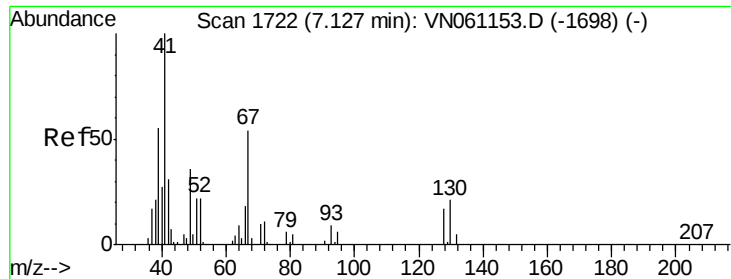
Time-->



Abundance Ion 78.00 (77.70 to 78.70): VN061321.D (-1901) (-)

Ion 77.00 (76.70 to 77.70): VN061321.D (-1901) (-)

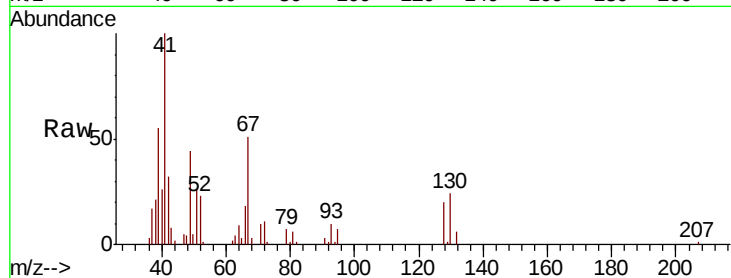
Time-->



#41
Methacrylonitrile
Concen: 61.642 ug/l
RT: 7.13 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	54208
Ion	Ratio	Lower	Upper
41	100		
39	60.8	0.0	0.0#
67	70.9	0.0	0.0#
52	32.0	0.0	0.0#



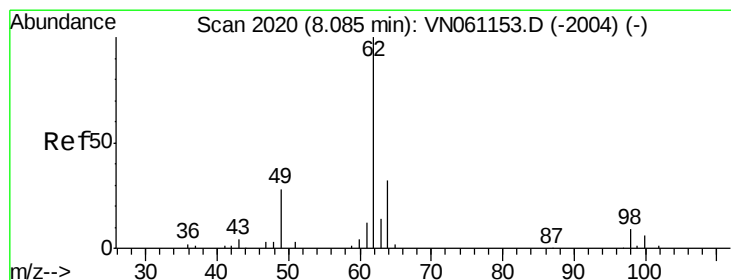
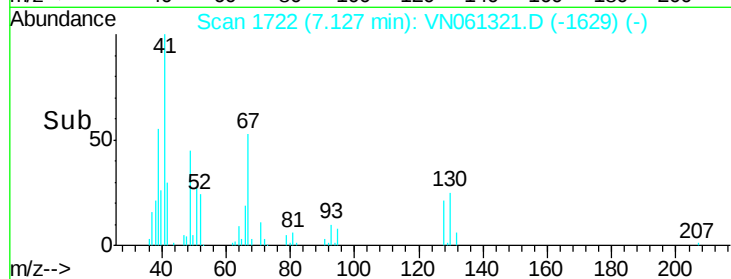
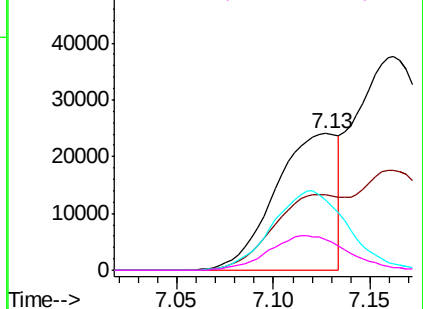
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

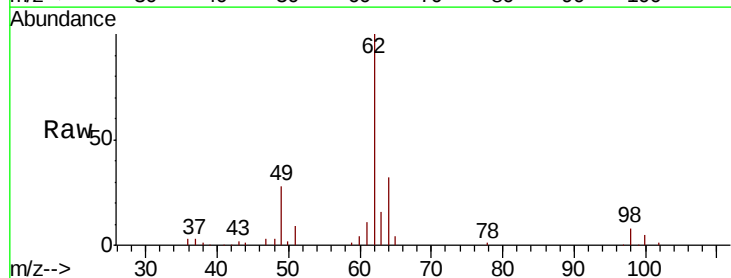
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42
1,2-Dichloroethane
Concen: 51.047 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

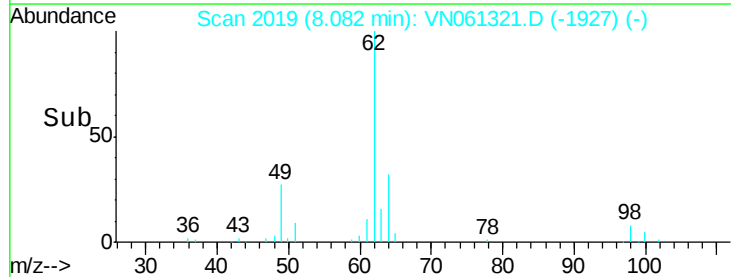
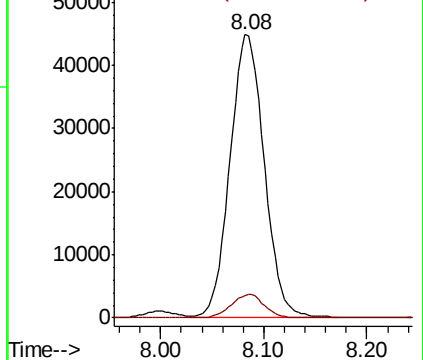
Tgt Ion:	62	Resp:	104090
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.8

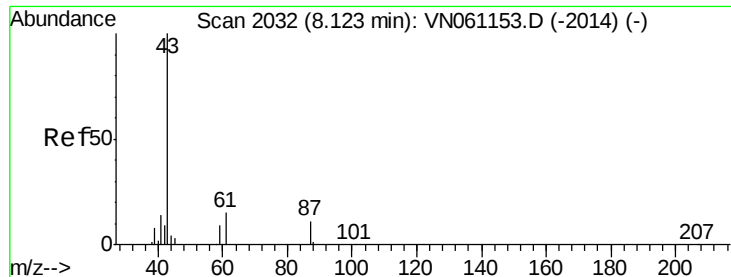


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 52.145 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampled :

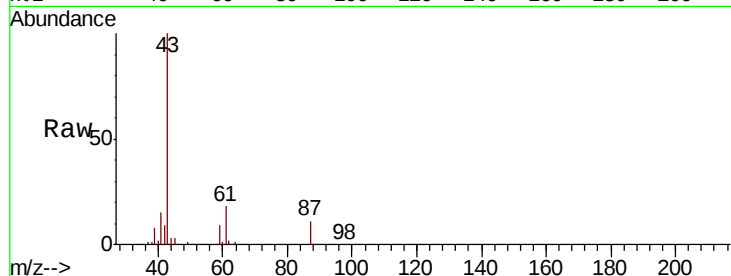
Tot Ion: 43 Resp: 183295

Ion Ratio Lower Upper

43 100

61 23.9 19.5 29.3

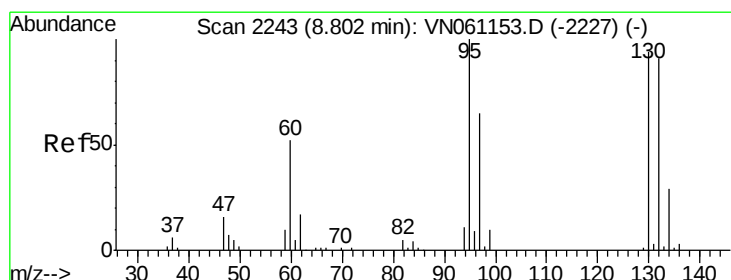
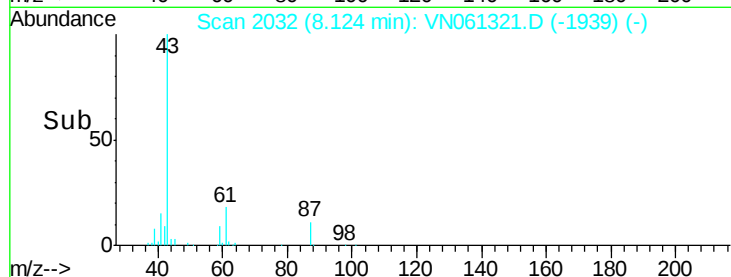
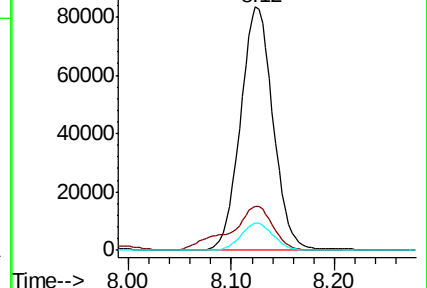
87 11.0 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2014) (-)

Ion 61.00 (60.70 to 61.70): VN061153.D (-2014) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-2014) (-)



#44

Trichloroethene

Concen: 43.935 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061321.D

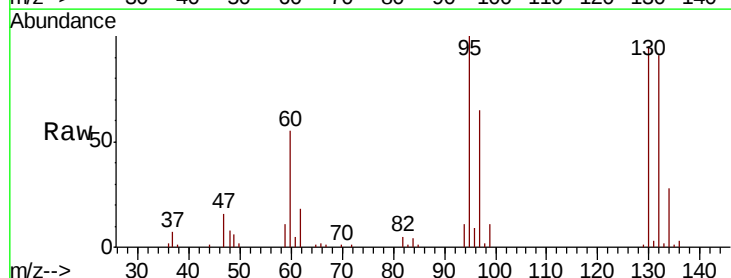
Acq: 6 May 2020 19:41

Tgt Ion: 130 Resp: 63927

Ion Ratio Lower Upper

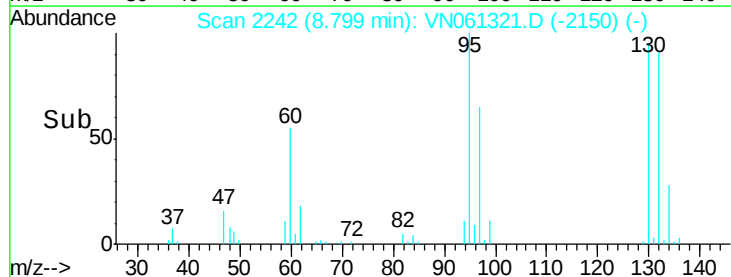
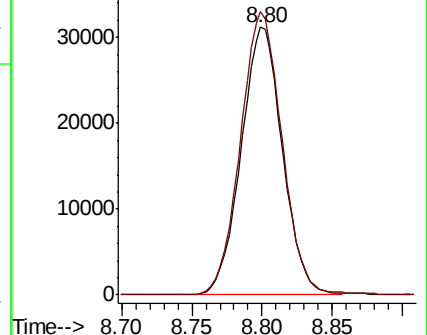
130 100

95 105.7 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061153.D (-2227) (-)

Ion 94.90 (94.60 to 95.60): VN061153.D (-2227) (-)





#45

1,2-Dichloropropane

Concen: 49.108 ug/l

RT: 9.09 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

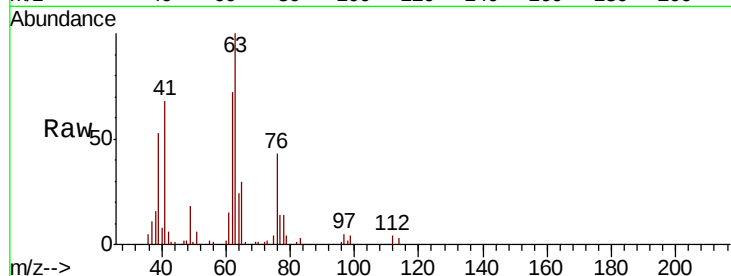
ClientSampleId :

Tot Ion: 63 Resp: 70616

Ion Ratio Lower Upper

63 100

65 30.2 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061321.D (-2238) (-)

Ion 64.90 (64.60 to 65.60): VN061321.D (-2238) (-)

9.09

30000

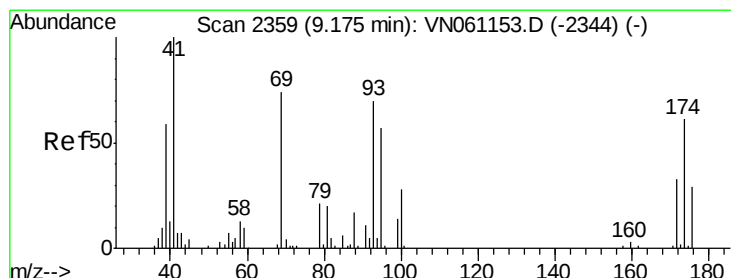
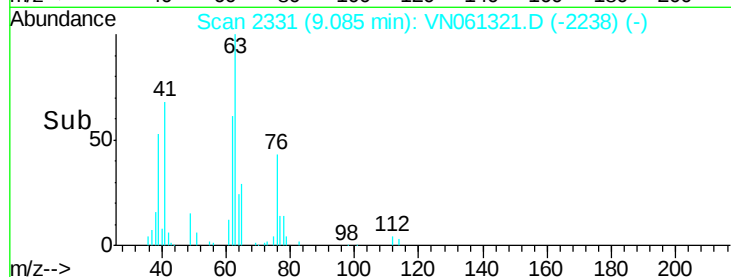
20000

10000

0

Time-->

9.00 9.05 9.10 9.15



#46

Dibromomethane

Concen: 50.500 ug/l

RT: 9.17 min Scan# 2358

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

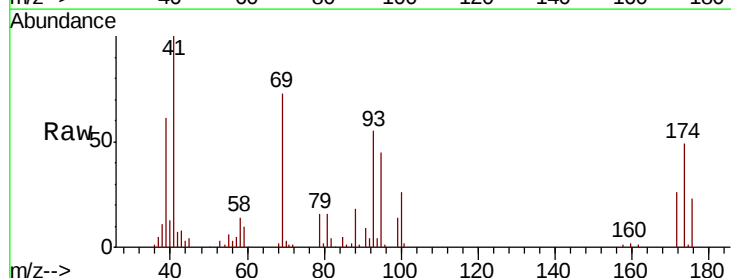
Tgt Ion: 93 Resp: 44963

Ion Ratio Lower Upper

93 100

95 81.6 66.6 99.8

174 87.8 70.2 105.2



Abundance Ion 92.80 (92.50 to 93.50): VN061321.D (-2266) (-)

Ion 94.80 (94.50 to 95.50): VN061321.D (-2266) (-)

Ion 173.70 (173.40 to 174.40): VN061321.D (-2266) (-)

9.17

30000

25000

20000

15000

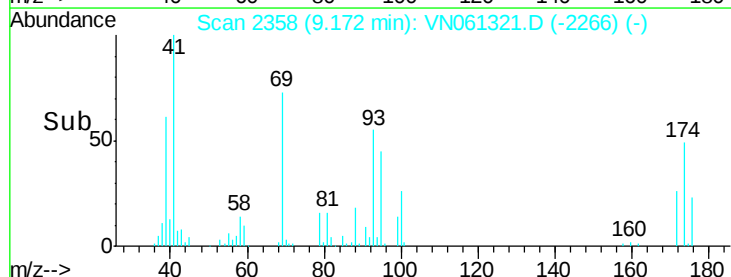
10000

5000

0

Time-->

9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 51.346 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

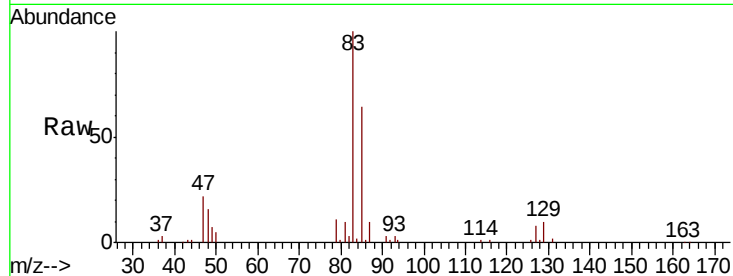
Tot Ion: 83 Resp: 98126

Ion Ratio Lower Upper

83 100

85 64.0 50.4 75.6

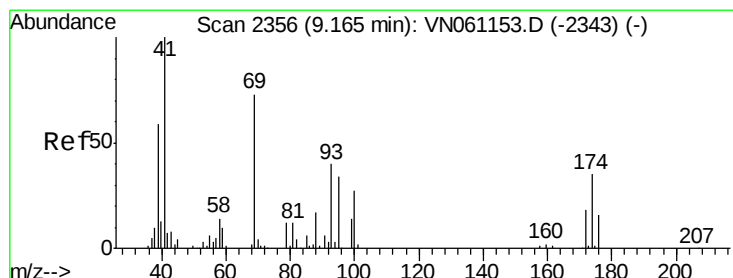
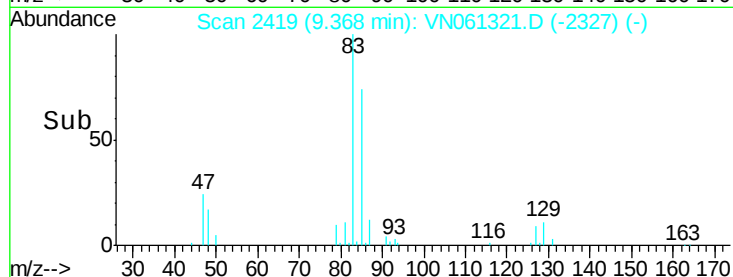
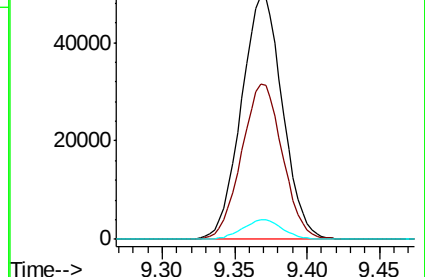
127 8.0 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN061153.D (-2404) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-2404) (-)

Ion 126.80 (126.50 to 127.50): VN061153.D (-2404) (-)



#48

Methyl methacrylate

Concen: 53.325 ug/l

RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

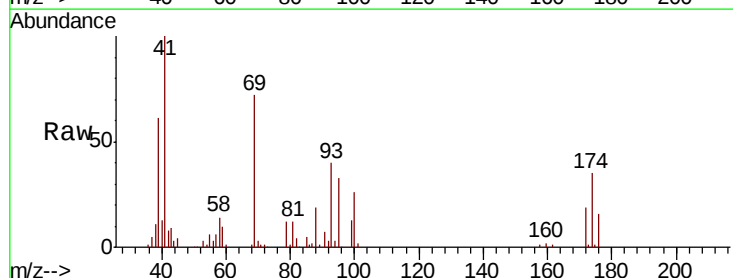
Tgt Ion: 41 Resp: 84584

Ion Ratio Lower Upper

41 100

69 74.6 60.3 90.5

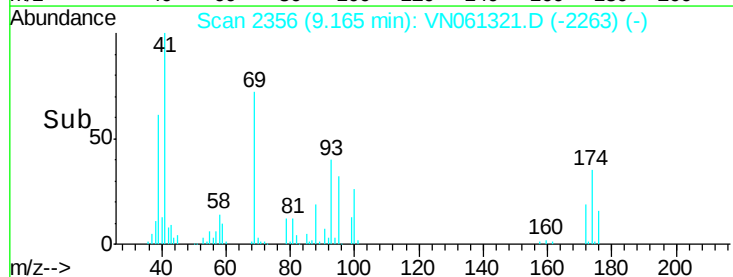
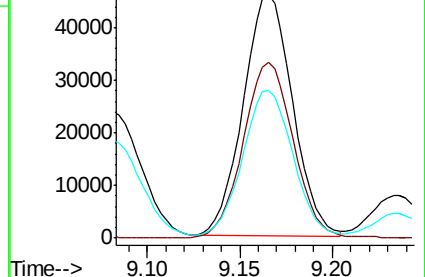
39 63.6 47.4 71.0



Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-2343) (-)

Ion 69.00 (68.70 to 69.70): VN061153.D (-2343) (-)

Ion 39.00 (38.70 to 39.70): VN061153.D (-2343) (-)

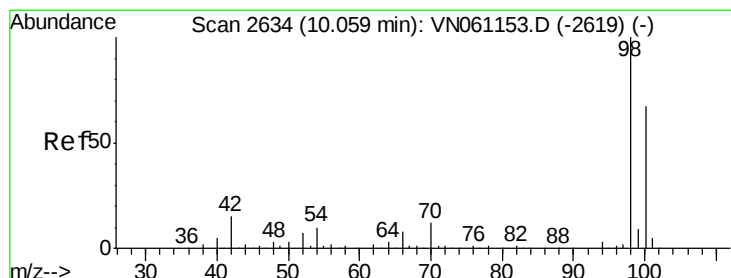
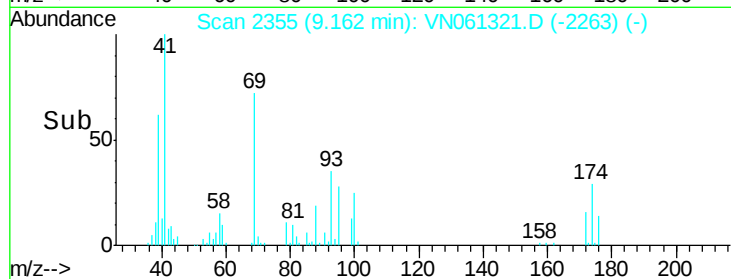
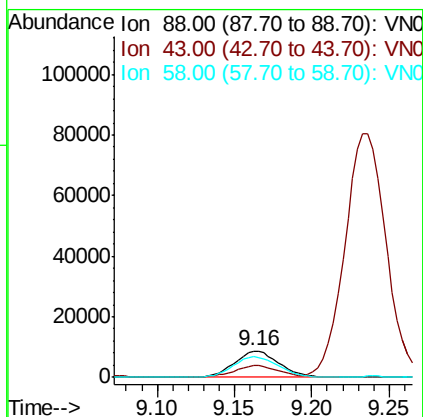
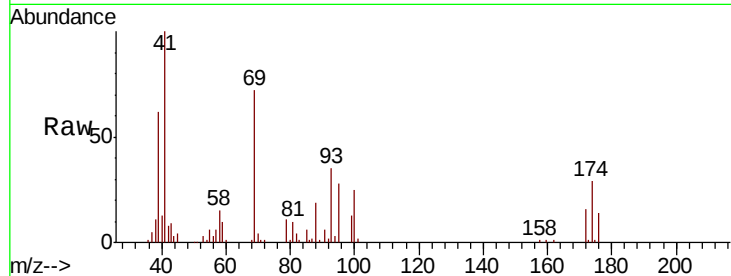




#49
1,4-Dioxane
Concen: 969.997 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

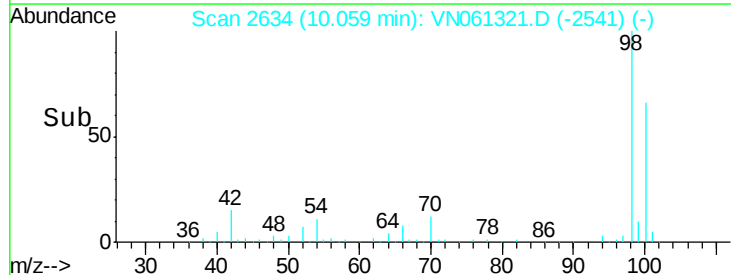
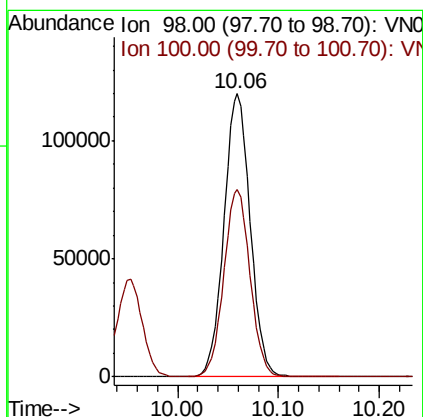
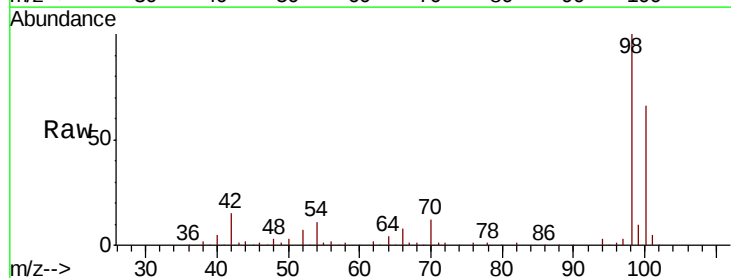
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 17465
Ion Ratio Lower Upper
88 100
43 46.2 35.3 52.9
58 78.7 61.5 92.3



#50
Toluene-d8
Concen: 50.155 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 98 Resp: 218199
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0

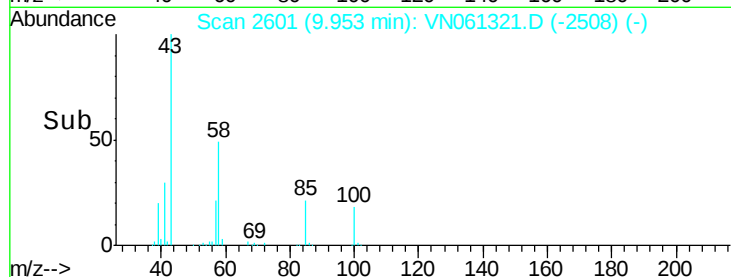
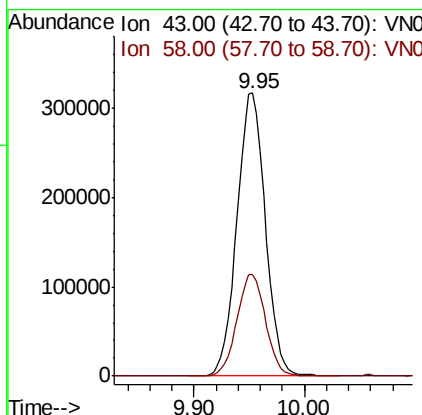
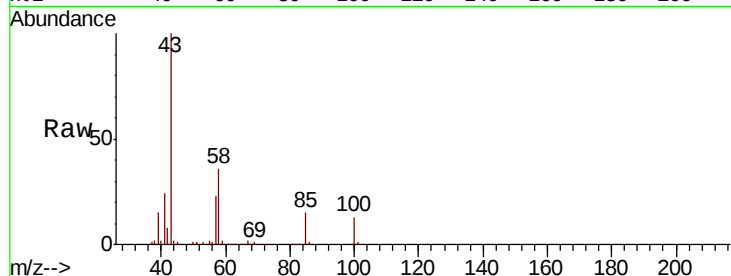




#51
 4-Methyl-2-Pentanone
 Concen: 273.548 ug/l
 RT: 9.95 min Scan# 2601
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

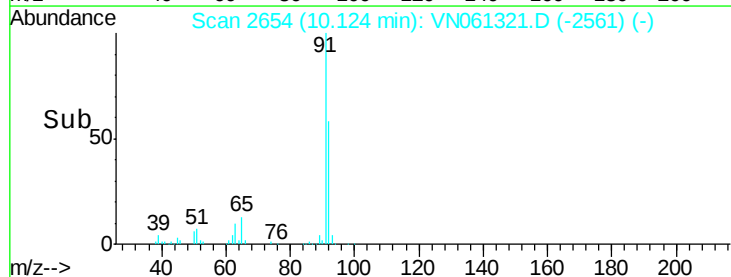
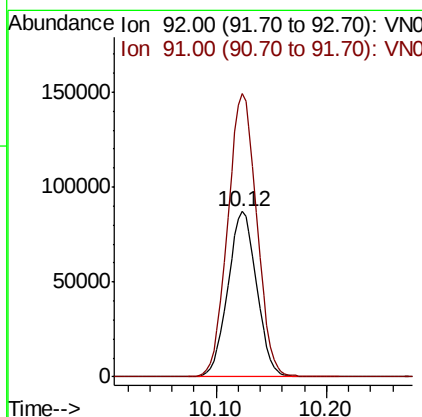
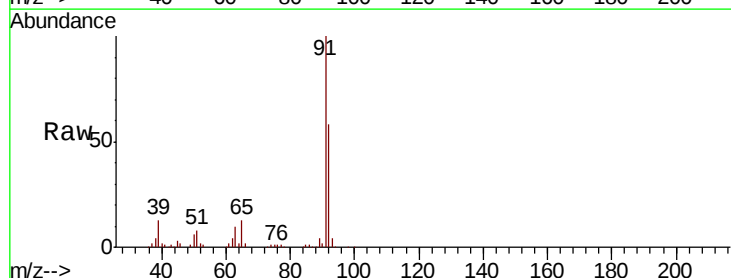
Instrument :
 MSVOA_N
 ClientSampled :

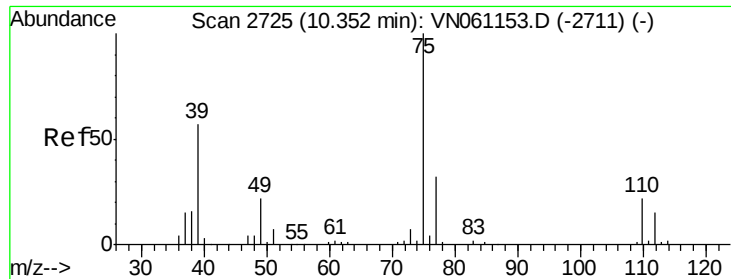
Tot Ion: 43 Resp: 565981
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.1 43.7



#52
 Toluene
 Concen: 48.816 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion: 92 Resp: 158265
 Ion Ratio Lower Upper
 92 100
 91 172.5 136.2 204.2

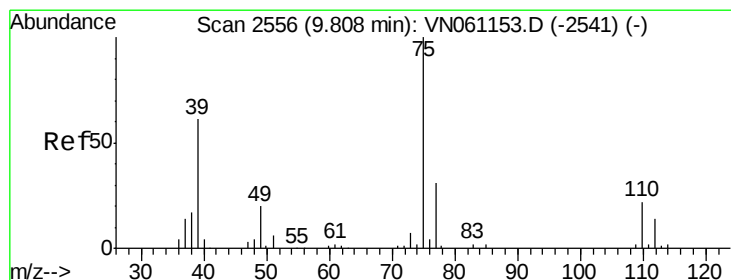
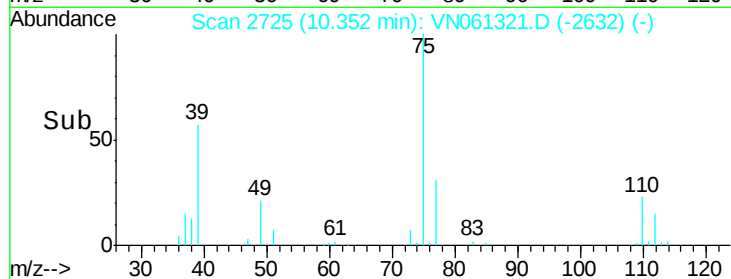
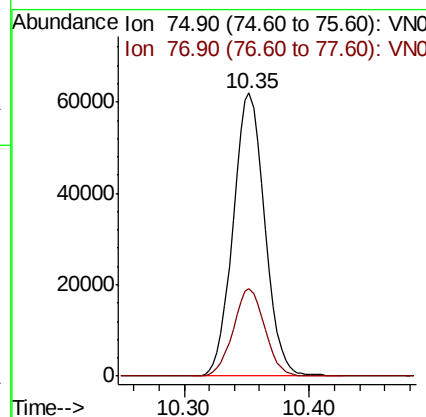
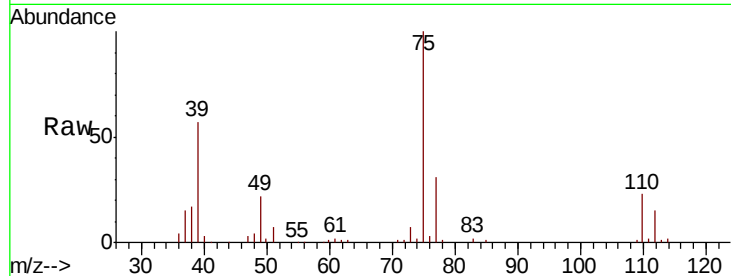




#53
t-1,3-Dichloropropene
Concen: 50.291 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

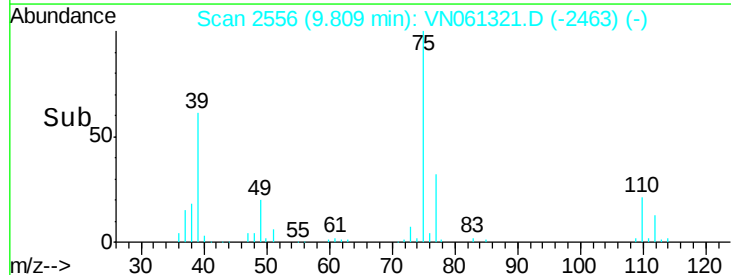
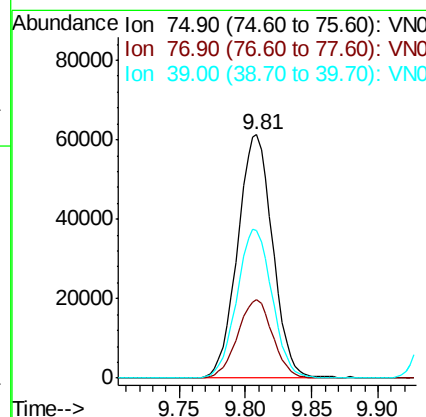
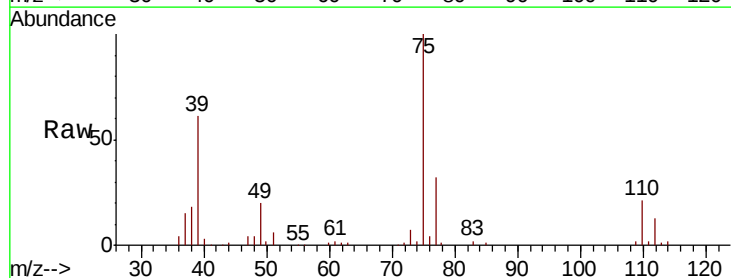
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 108294
Ion Ratio Lower Upper
75 100
77 30.8 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 49.400 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 75 Resp: 112461
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.4
39 60.5 48.7 73.1

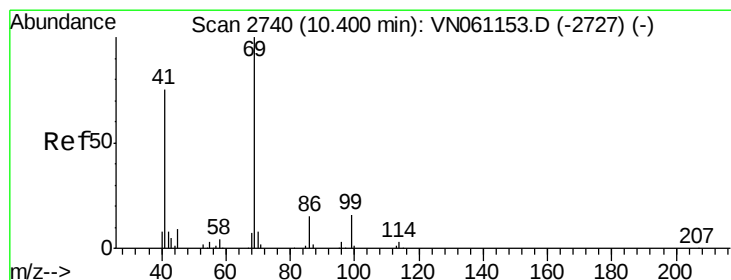
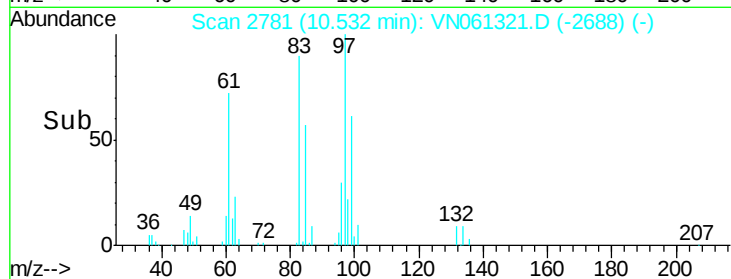
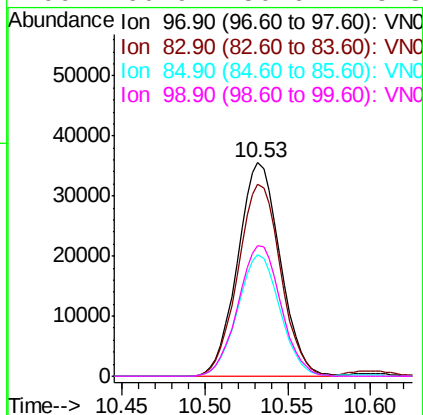
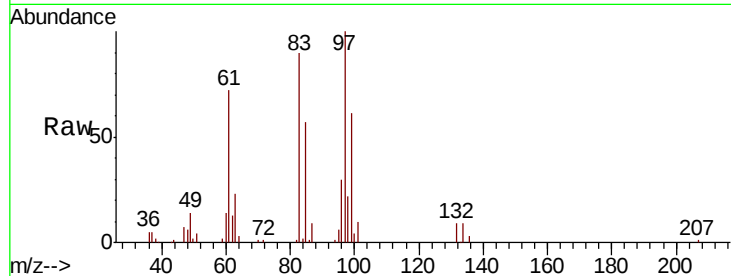




#55
 1,1,2-Trichloroethane
 Concen: 49.127 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

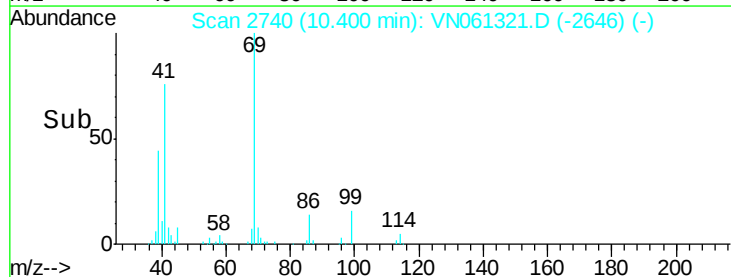
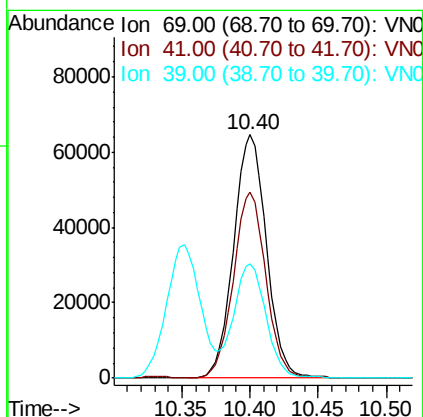
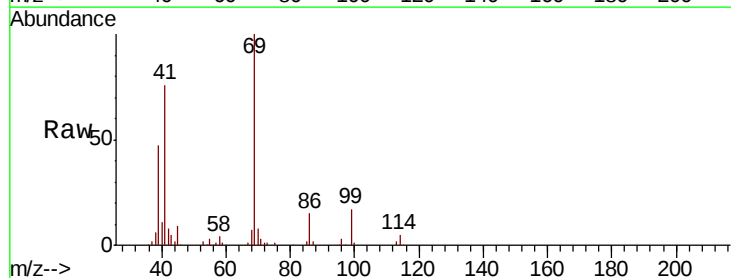
Instrument :
 MSVOA_N
 ClientSampleId :

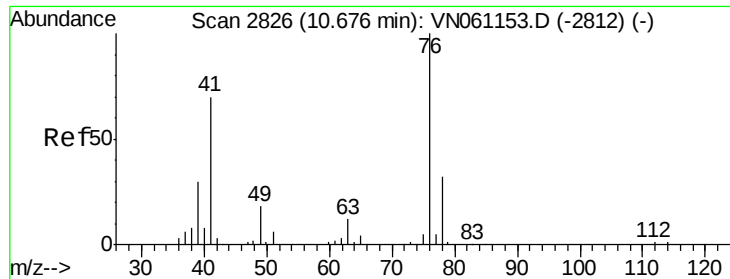
Tot Ion:	97	Resp:	63529
Ion	Ratio	Lower	Upper
97	100		
83	89.6	70.6	106.0
85	56.8	46.4	69.6
99	60.9	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 48.070 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion:	69	Resp:	108072
Ion	Ratio	Lower	Upper
69	100		
41	74.9	60.3	90.5
39	45.6	35.9	53.9

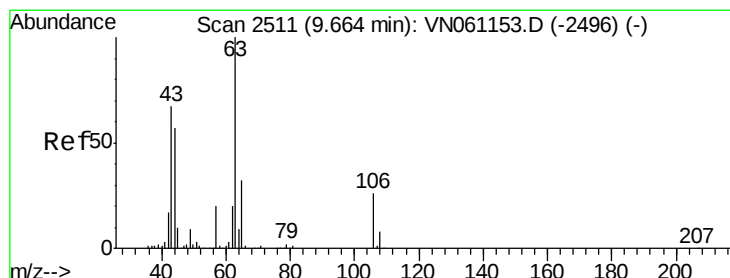
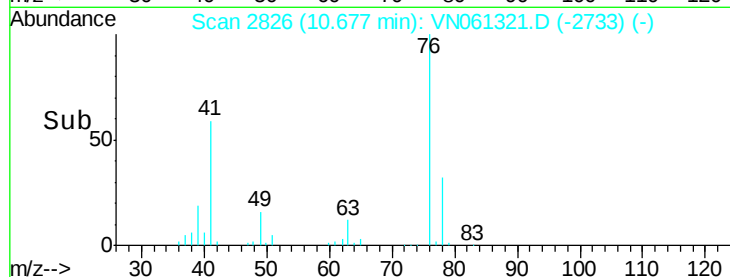
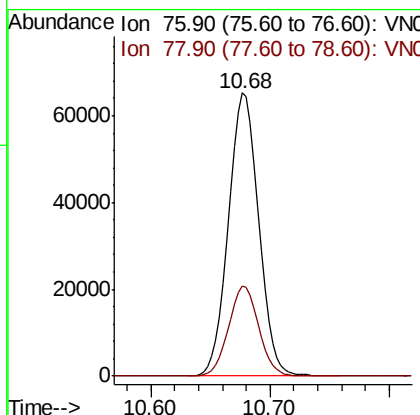
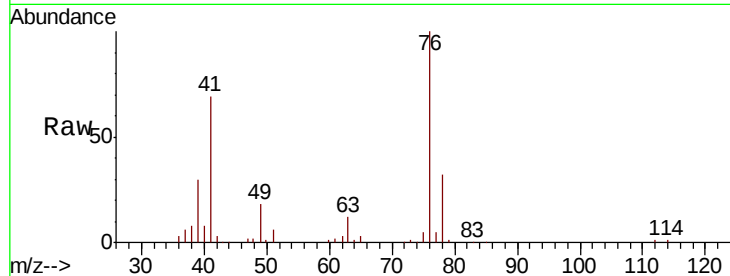




#57
 1,3-Dichloropropane
 Concen: 50.653 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

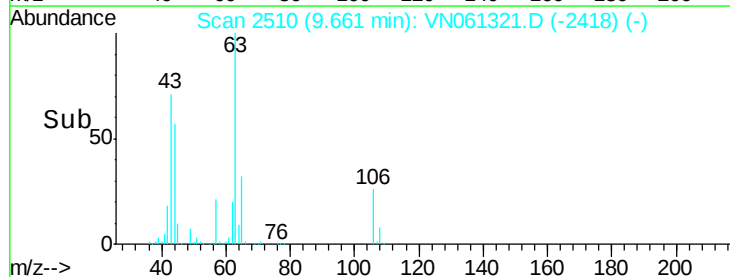
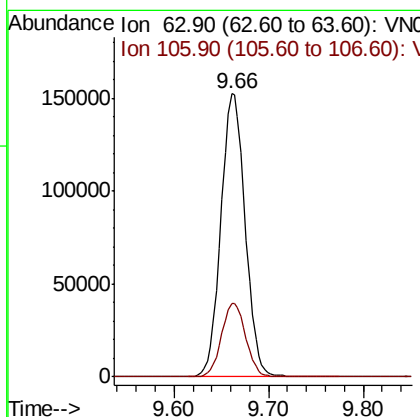
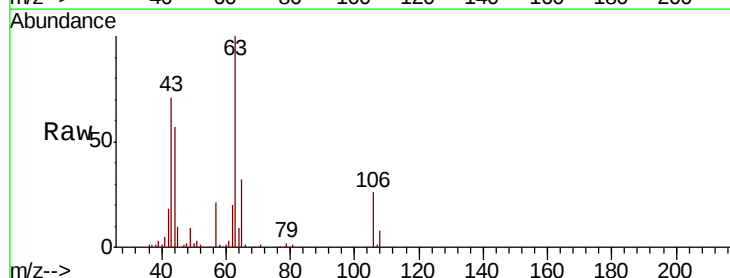
Instrument :
 MSVOA_N
 ClientSampled :

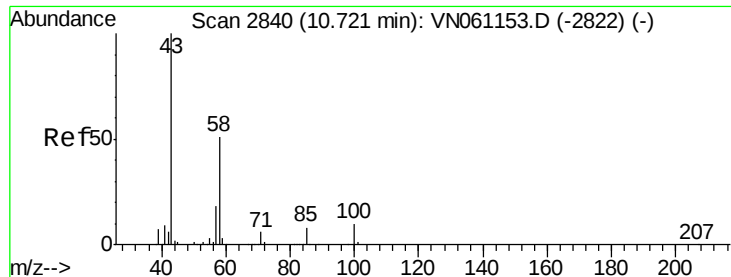
Tot Ion: 76 Resp: 115136
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.637 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion: 63 Resp: 271773
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.6 30.8

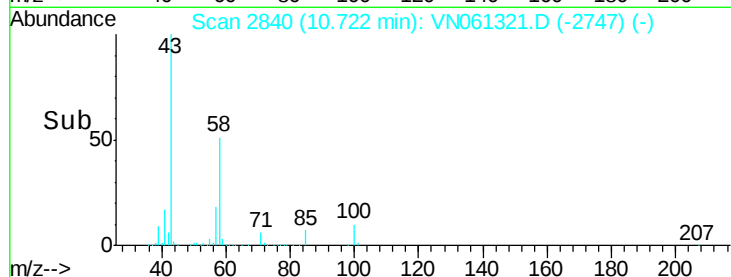
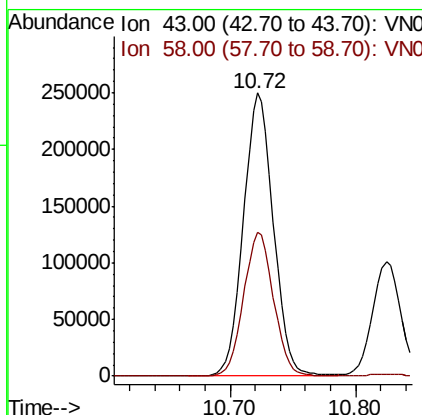
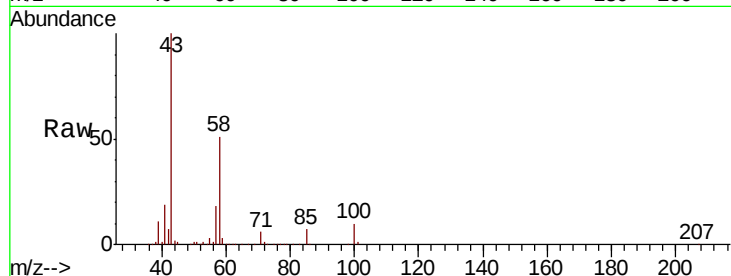




#59
2-Hexanone
Concen: 276.058 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

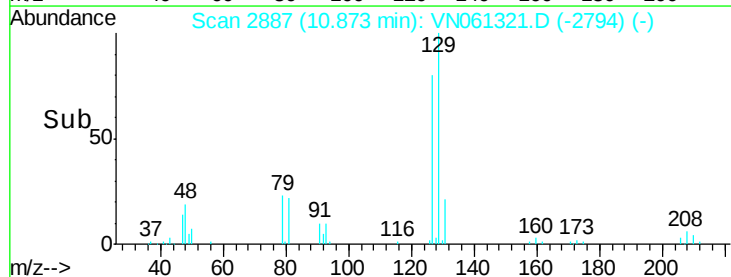
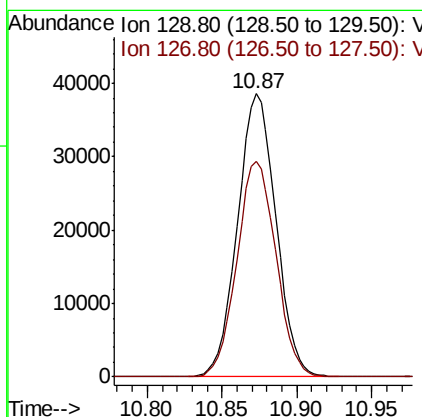
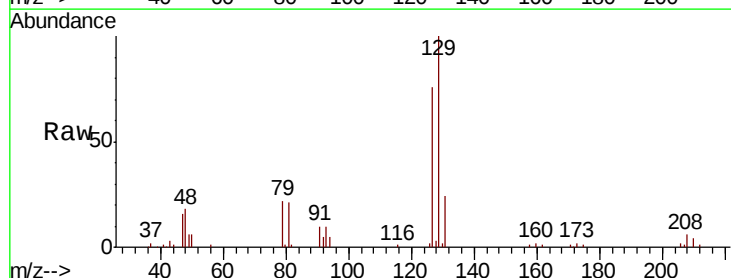
Instrument :
MSVOA_N
ClientSampled :

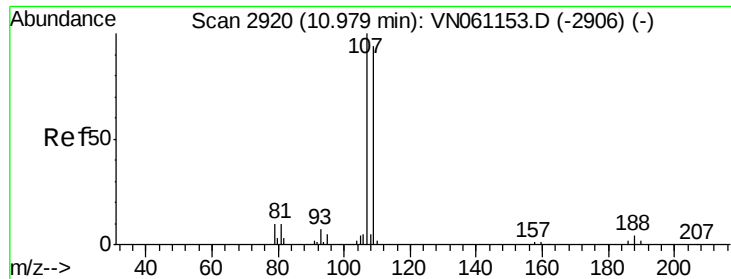
Tot Ion: 43 Resp: 415541
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.4



#60
Dibromochloromethane
Concen: 50.912 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 129 Resp: 68954
Ion Ratio Lower Upper
129 100
127 77.4 39.3 117.8

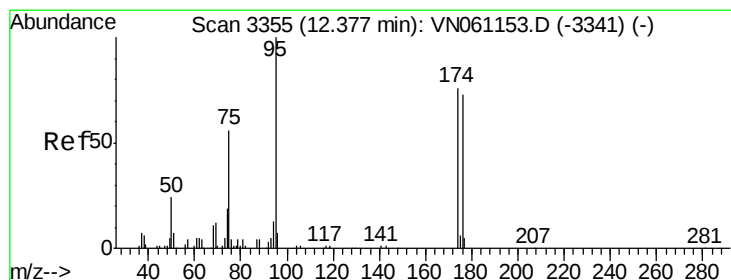
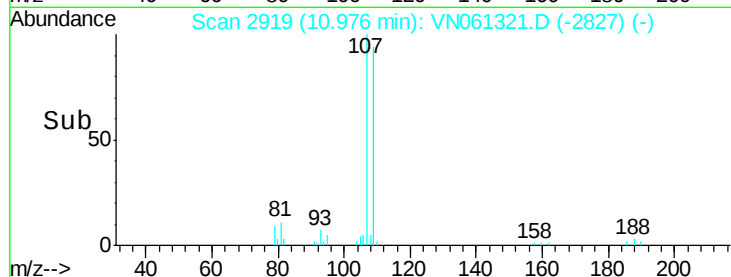
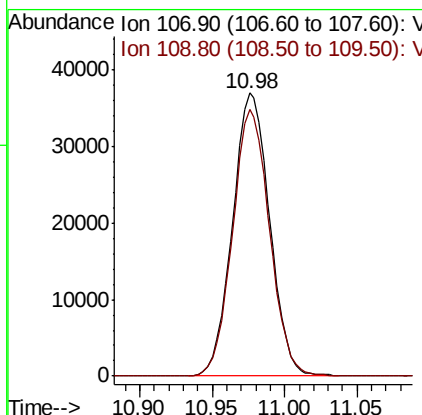
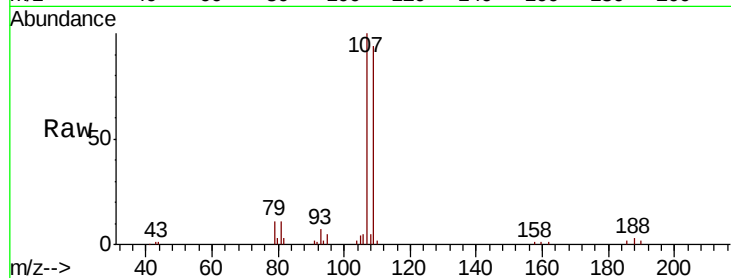




#61
 1,2-Dibromoethane
 Concen: 50.749 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

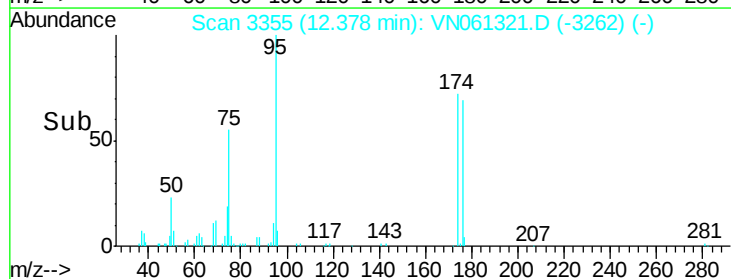
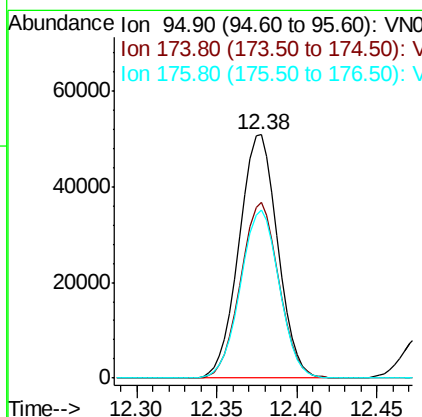
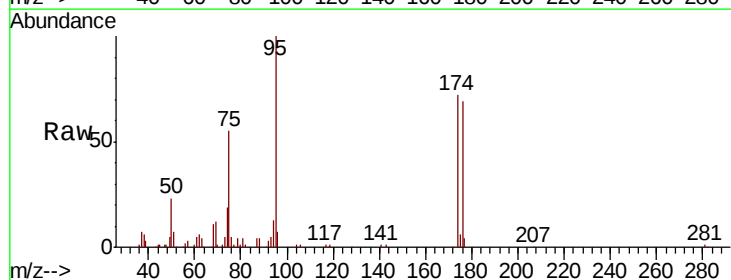
Instrument :
 MSVOA_N
 ClientSampleId :

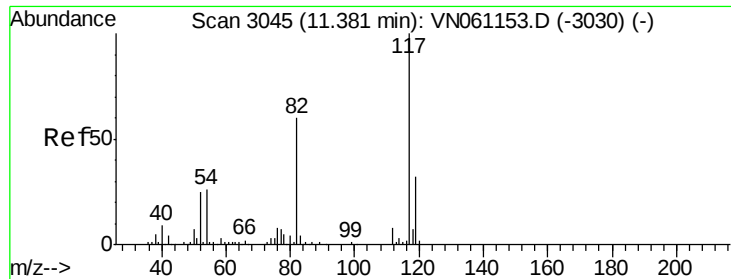
Tot Ion:107 Resp: 65777
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 51.188 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion: 95 Resp: 83803
 Ion Ratio Lower Upper
 95 100
 174 71.5 0.0 149.4
 176 69.1 0.0 144.8

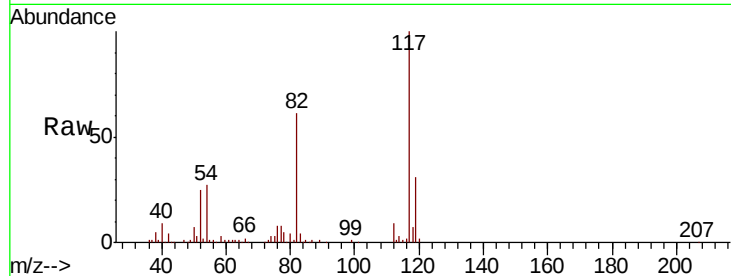




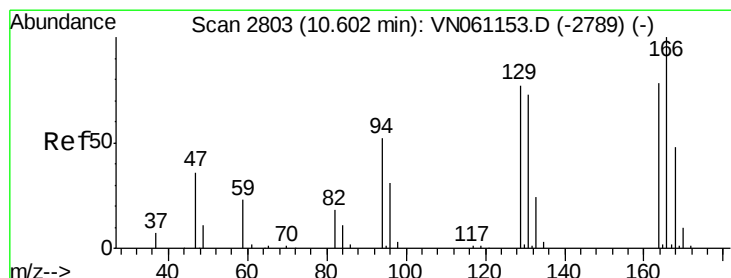
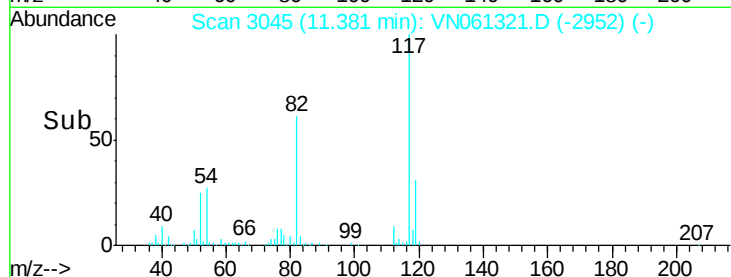
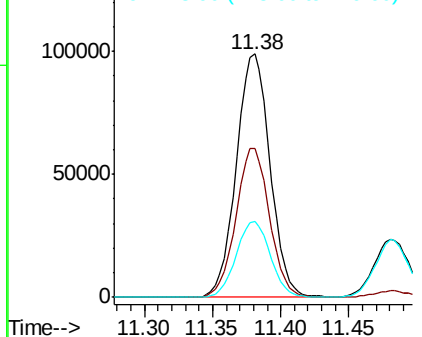
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 170189
Ion Ratio Lower Upper
117 100
82 60.9 47.8 71.8
119 31.3 25.8 38.6

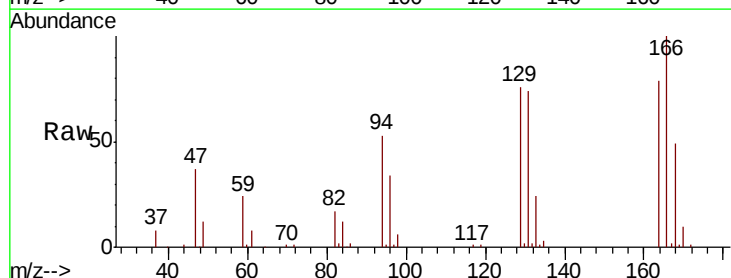


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

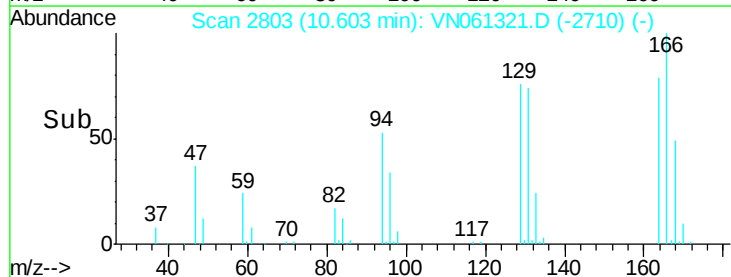
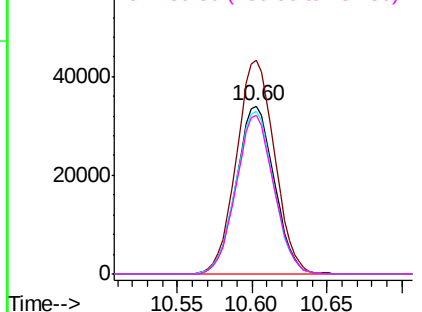


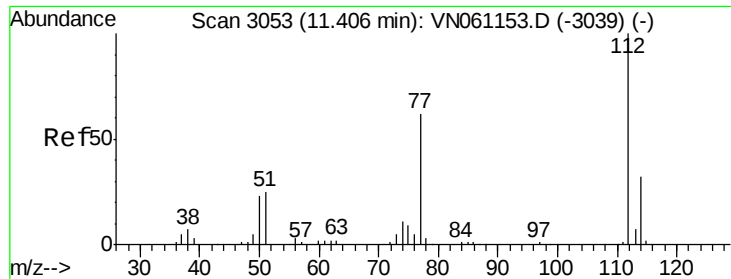
#64
Tetrachloroethene
Concen: 40.989 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion:164 Resp: 60419
Ion Ratio Lower Upper
164 100
166 126.9 102.0 153.0
129 96.6 78.2 117.2
131 94.2 74.5 111.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

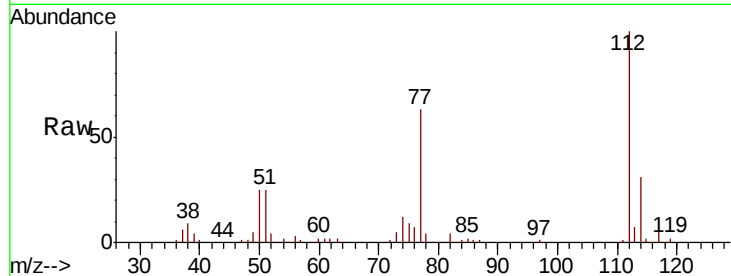




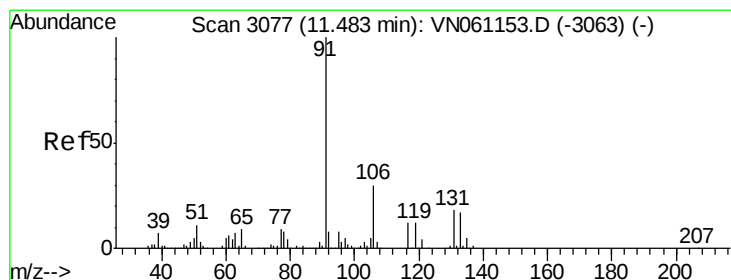
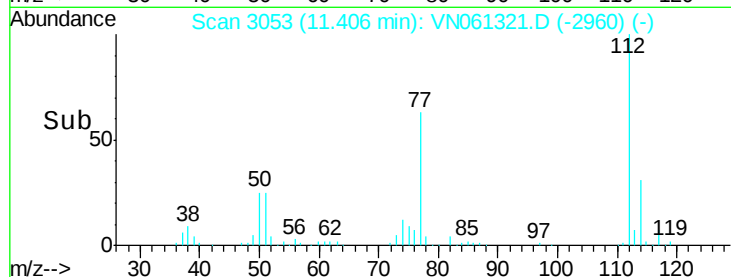
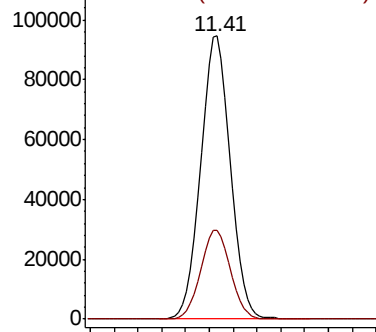
#65
Chlorobenzene
Concen: 48.358 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 163255
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.2

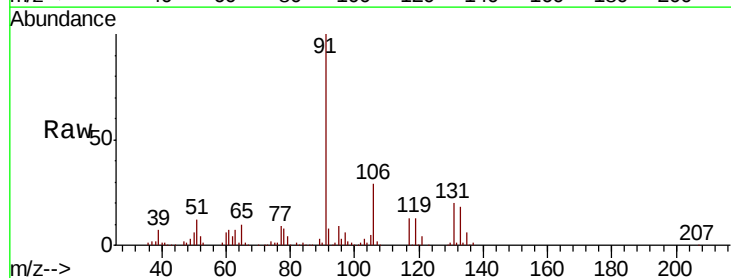


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

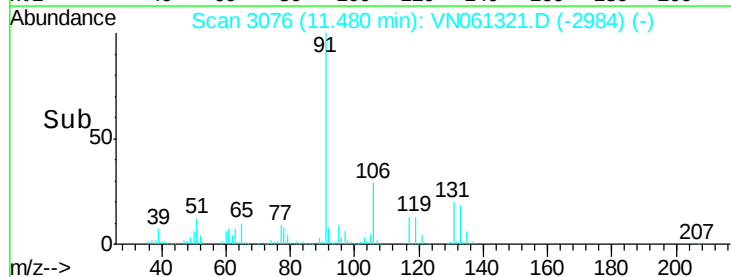
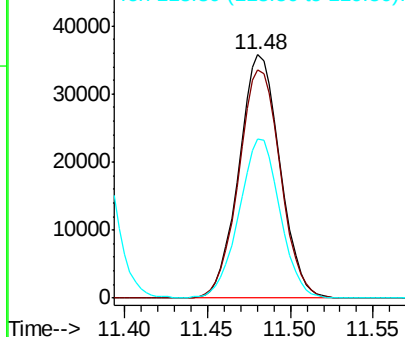


#66
1,1,1,2-Tetrachloroethane
Concen: 50.929 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion:131 Resp: 61537
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.2
119 65.1 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.385 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

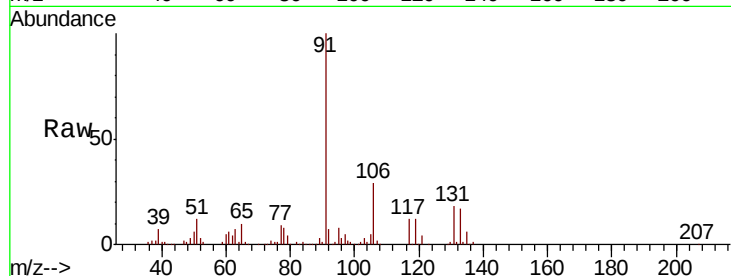
ClientSampleId :

Tot Ion: 91 Resp: 312102

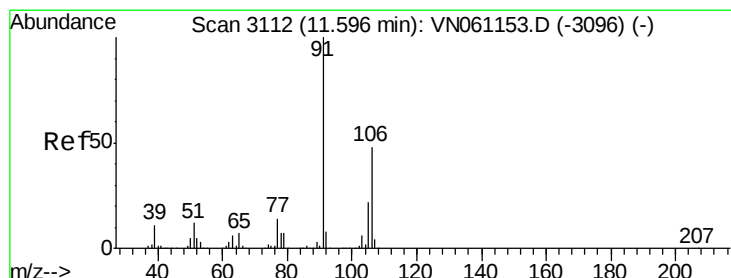
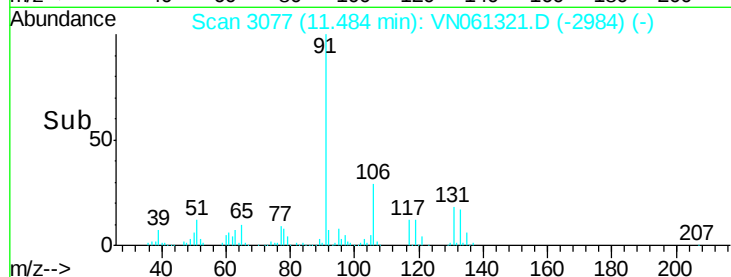
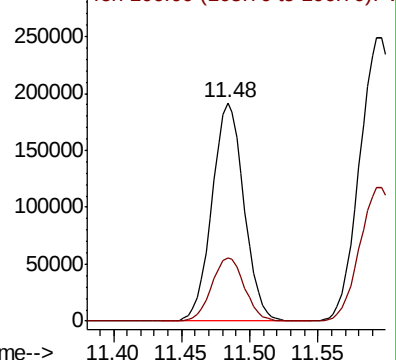
Ion Ratio Lower Upper

91 100

106 29.1 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3063) (-)



#68

m/p-Xylenes

Concen: 98.250 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061321.D

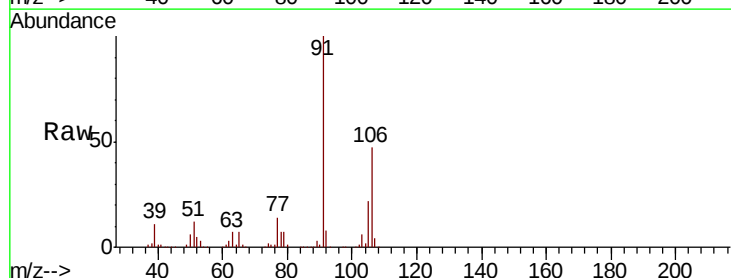
Acq: 6 May 2020 19:41

Tgt Ion: 106 Resp: 227274

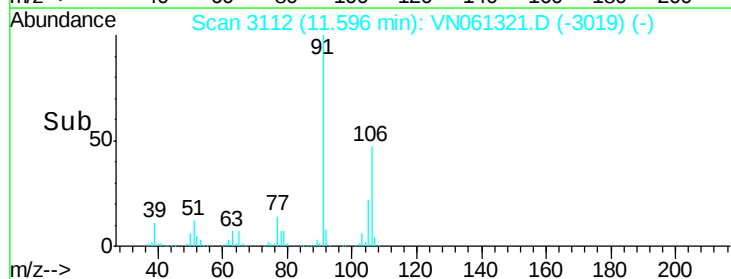
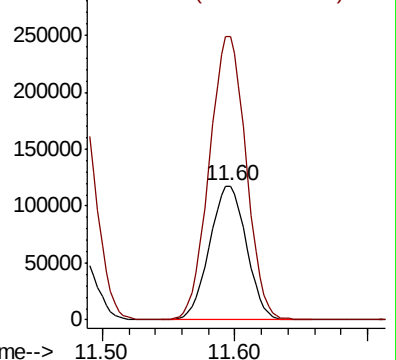
Ion Ratio Lower Upper

106 100

91 210.9 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061153.D (-3096) (-)

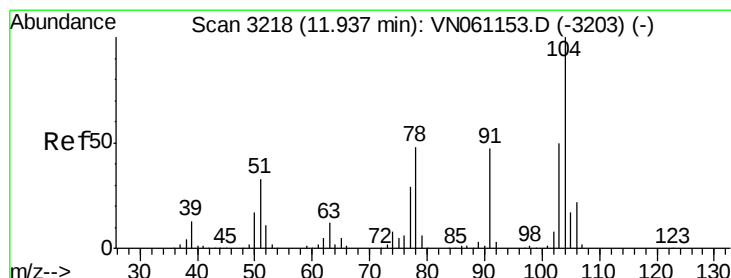
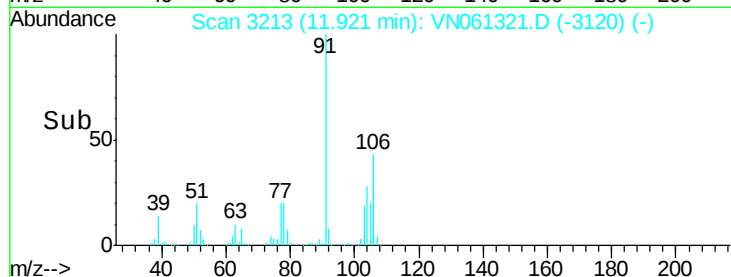
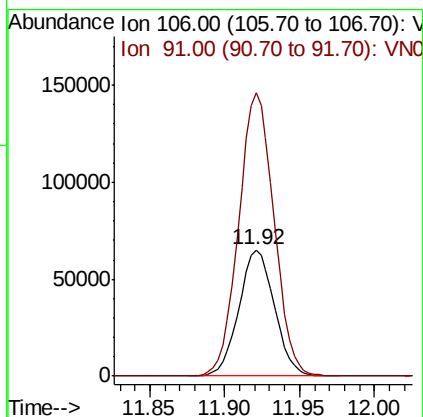
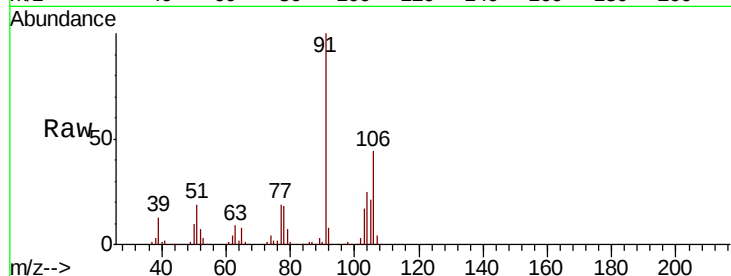




#69
o-Xylene
Concen: 48.447 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

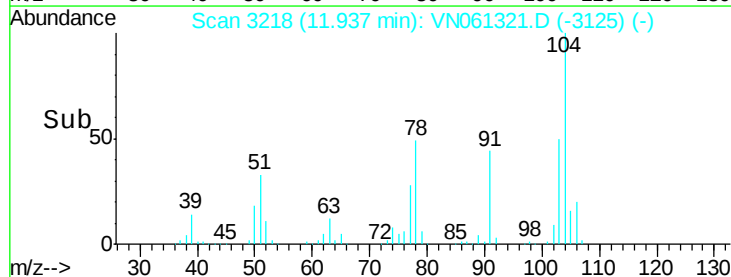
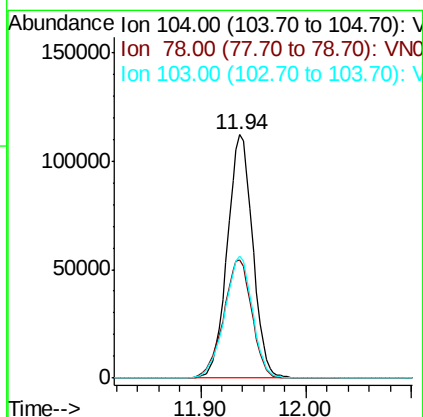
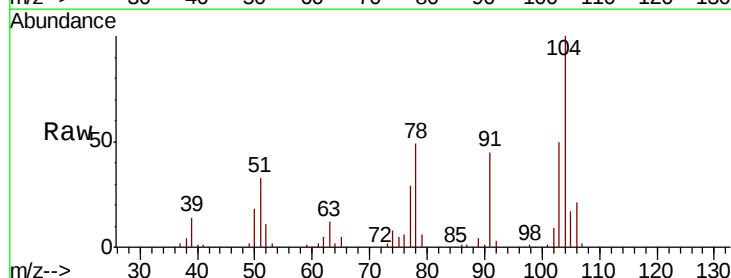
Instrument :
MSVOA_N
ClientSampleId :

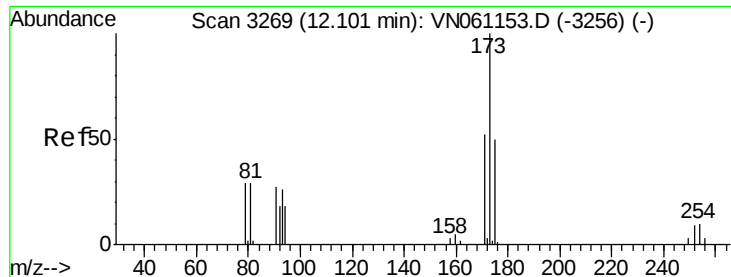
Tot Ion:106 Resp: 107649
Ion Ratio Lower Upper
106 100
91 223.2 109.7 329.0



#70
Styrene
Concen: 50.212 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion:104 Resp: 186737
Ion Ratio Lower Upper
104 100
78 54.1 42.1 63.1
103 54.6 43.3 64.9





#71

Bromoform

Concen: 53.486 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

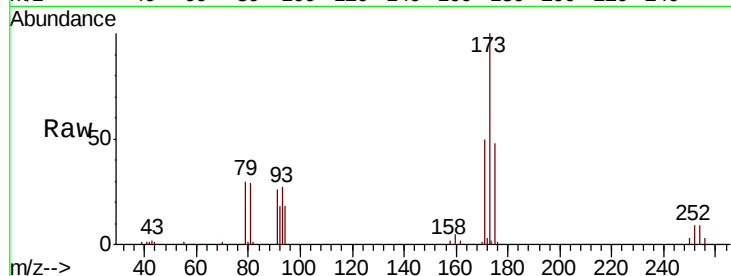
Tot Ion:173 Resp: 47497

Ion Ratio Lower Upper

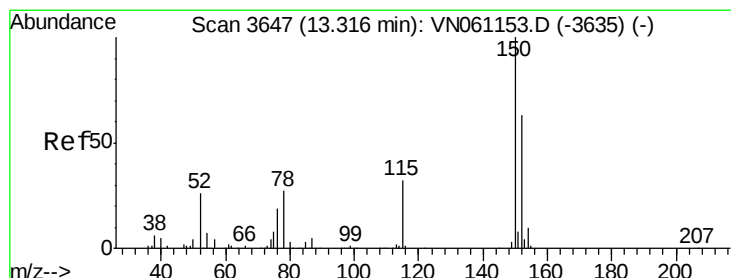
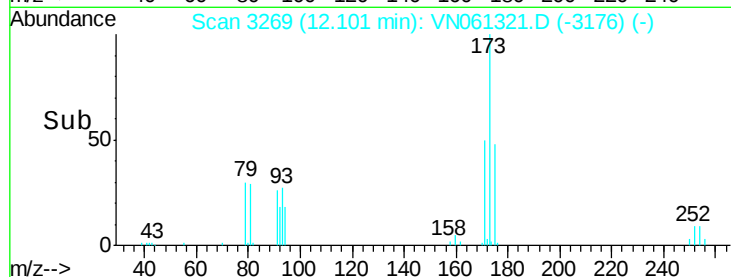
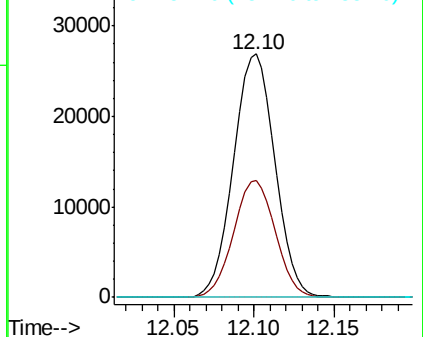
173 100

175 48.2 24.1 72.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

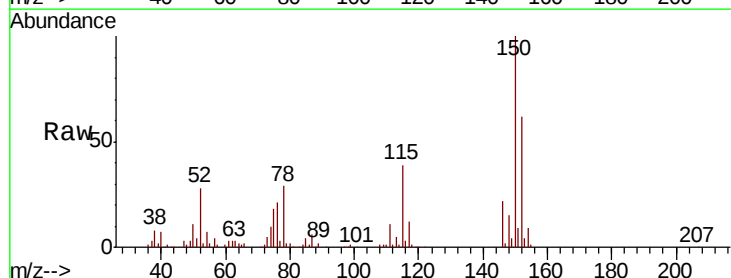
Tgt Ion:152 Resp: 81772

Ion Ratio Lower Upper

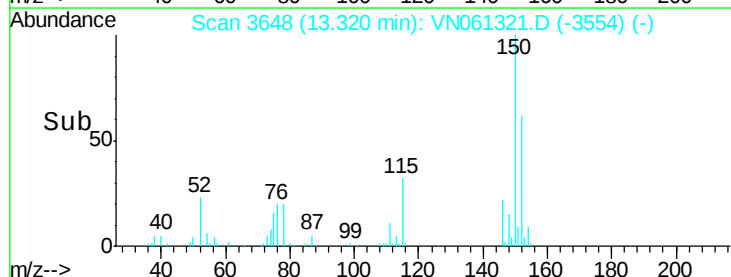
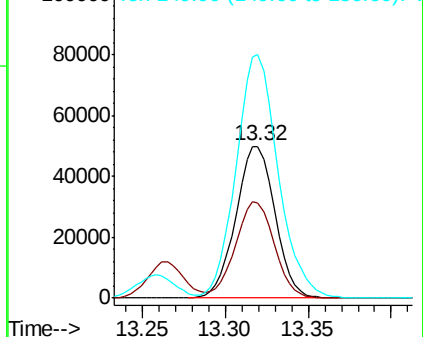
152 100

115 63.3 31.0 93.0

150 172.8 0.0 351.8



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





#73

Isopropylbenzene

Concen: 48.889 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

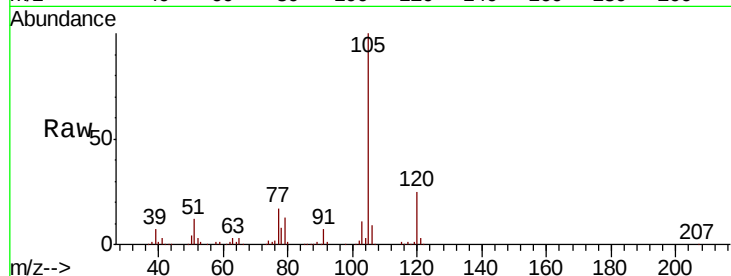
ClientSampled :

Tot Ion:105 Resp: 293894

Ion Ratio Lower Upper

105 100

120 25.3 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

200000

150000

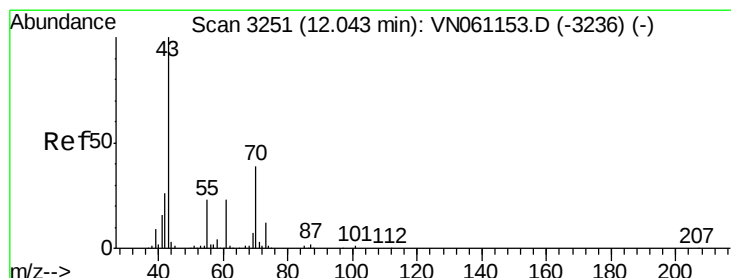
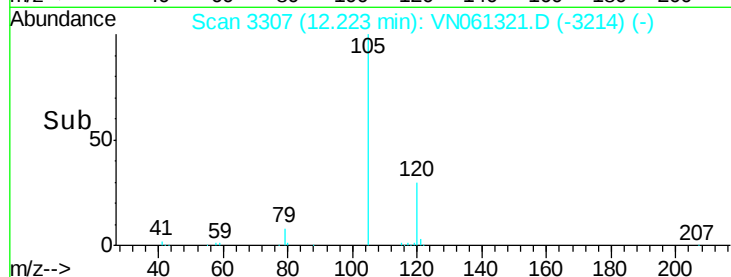
100000

50000

0

Time-->

12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 52.975 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Tgt Ion: 43 Resp: 161260

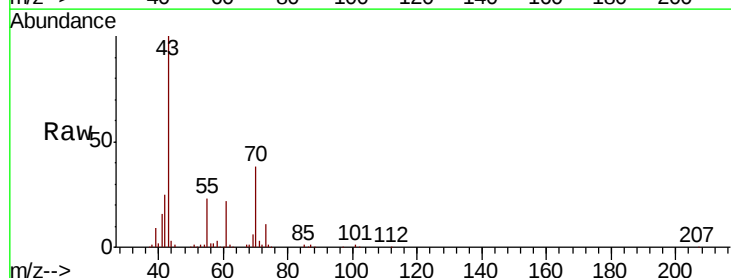
Ion Ratio Lower Upper

43 100

70 37.4 30.6 46.0

55 22.8 18.5 27.7

61 22.0 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

150000

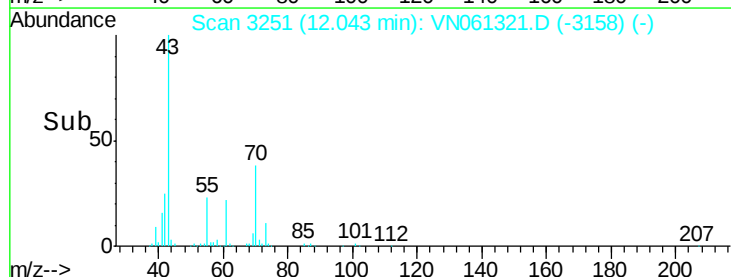
100000

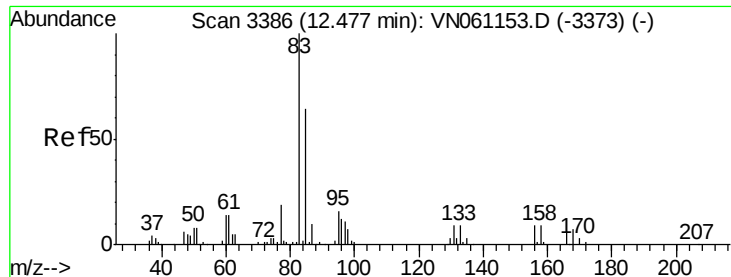
50000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 50.905 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

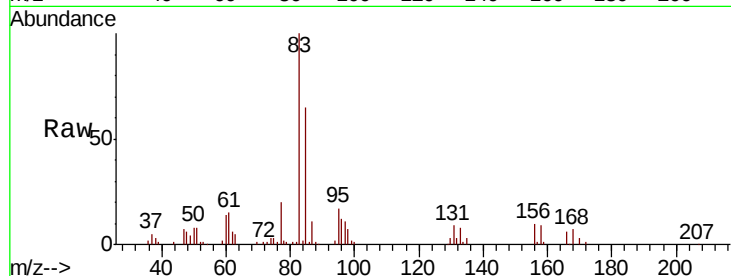
Tot Ion: 83 Resp: 95418

Ion Ratio Lower Upper

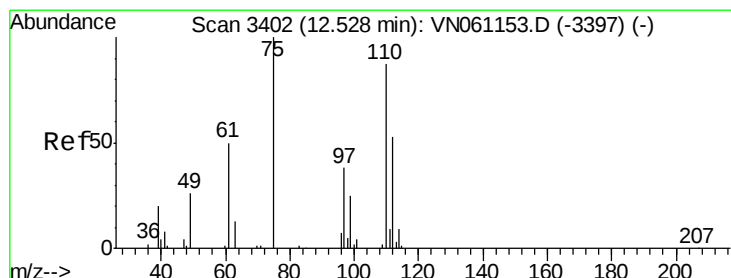
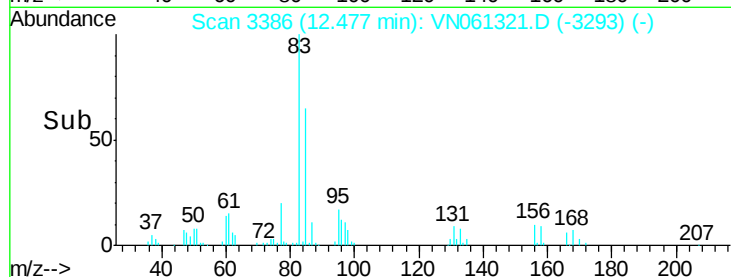
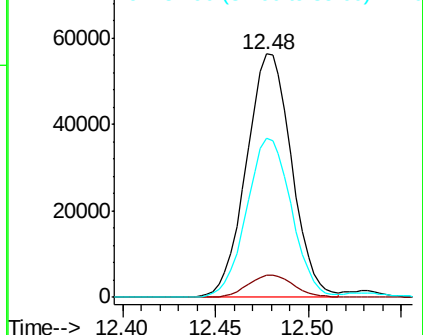
83 100

131 9.3 4.8 14.3

85 64.8 32.0 96.0



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: 78.140 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061321.D

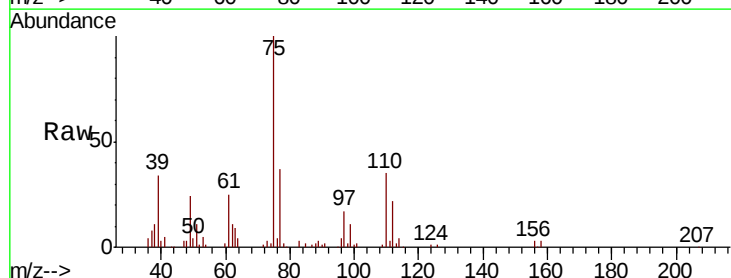
Acq: 6 May 2020 19:41

Tgt Ion: 75 Resp: 134711

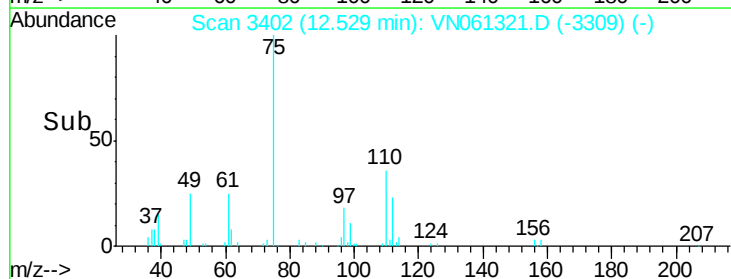
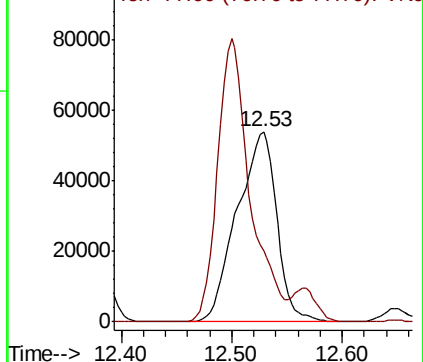
Ion Ratio Lower Upper

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: 48.169 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampled :

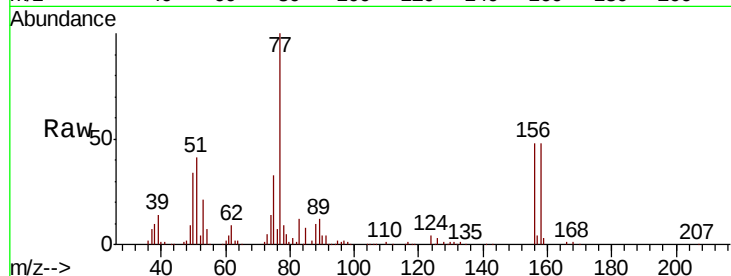
Tot Ion:156 Resp: 66845

Ion Ratio Lower Upper

156 100

77 246.7 117.4 352.2

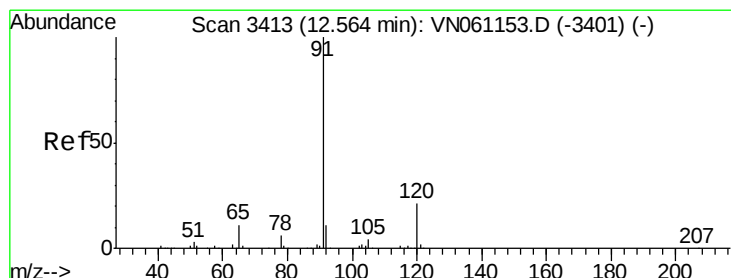
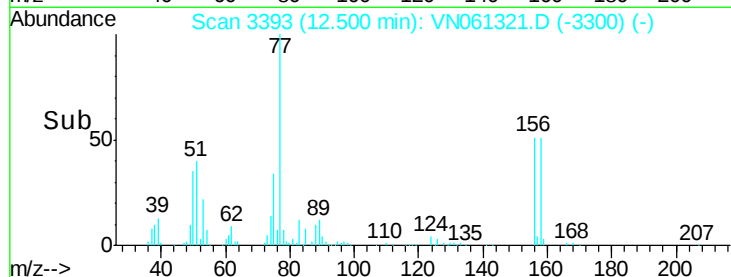
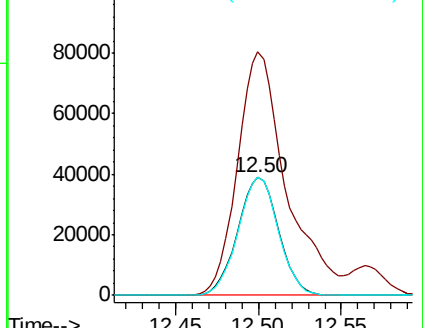
158 98.7 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.320 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061321.D

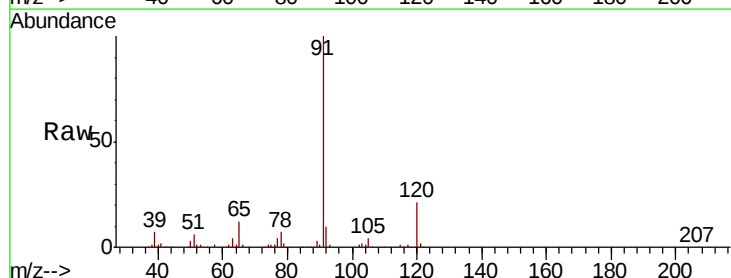
Acq: 6 May 2020 19:41

Tgt Ion: 91 Resp: 344536

Ion Ratio Lower Upper

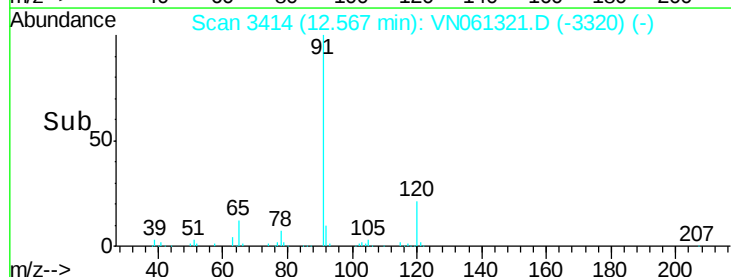
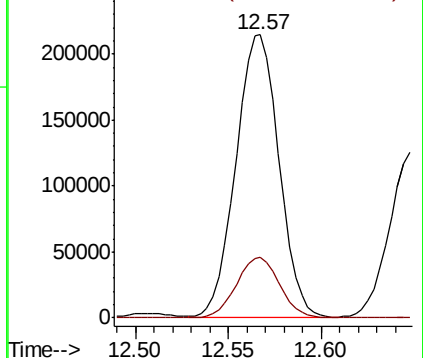
91 100

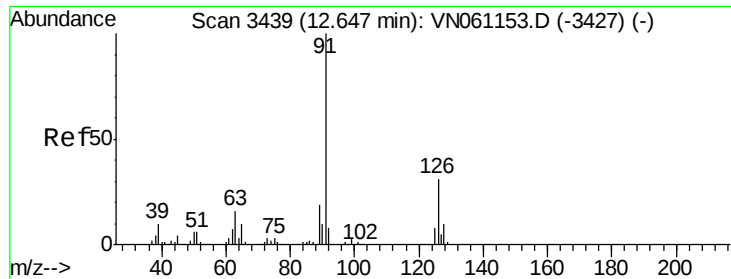
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.927 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

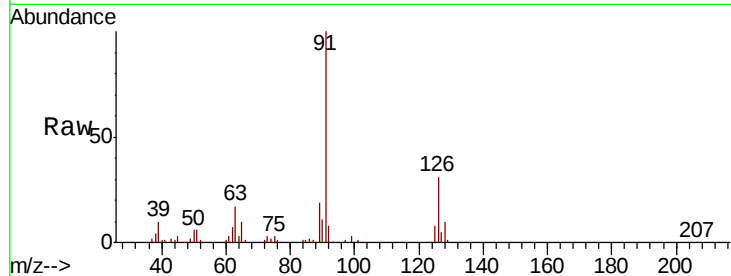
ClientSampled :

Tot Ion: 91 Resp: 205054

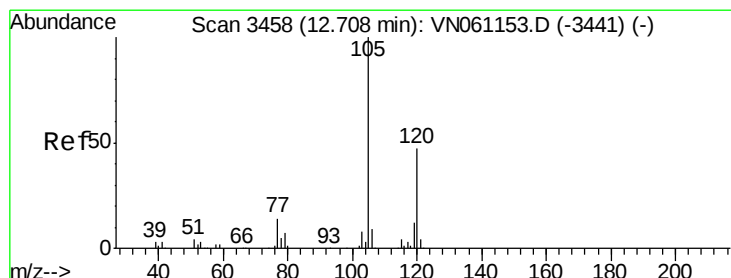
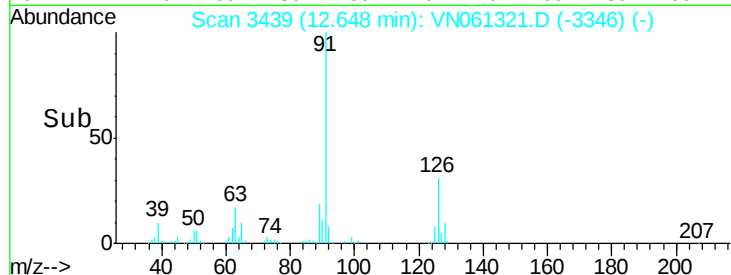
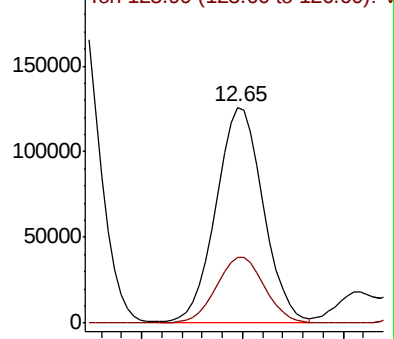
Ion Ratio Lower Upper

91 100

126 31.5 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.370 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061321.D

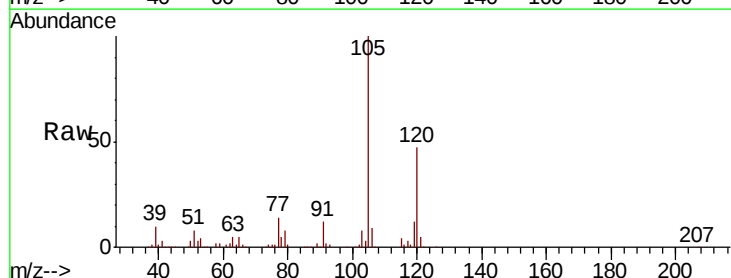
Acq: 6 May 2020 19:41

Tgt Ion: 105 Resp: 245637

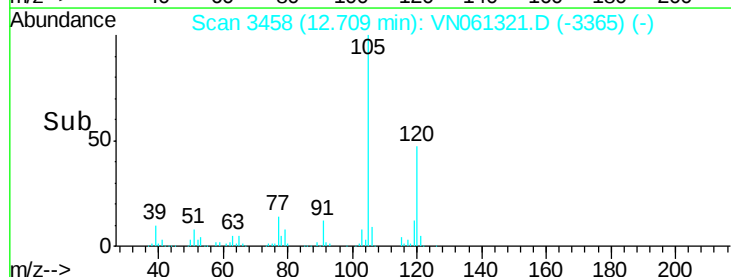
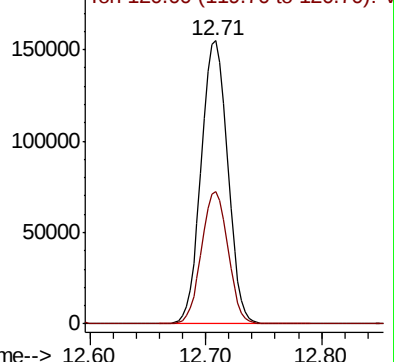
Ion Ratio Lower Upper

105 100

120 46.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.496 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

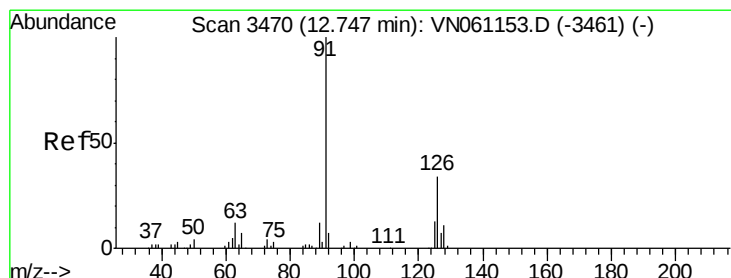
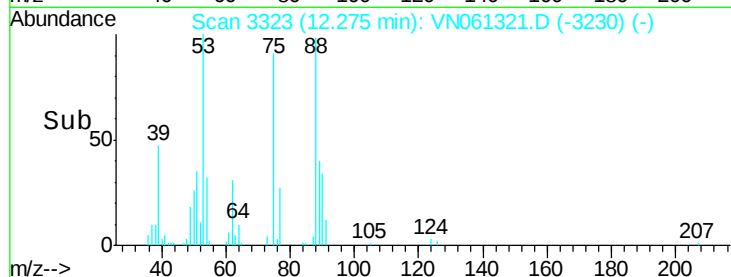
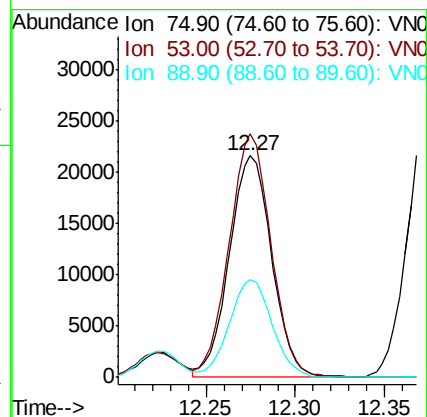
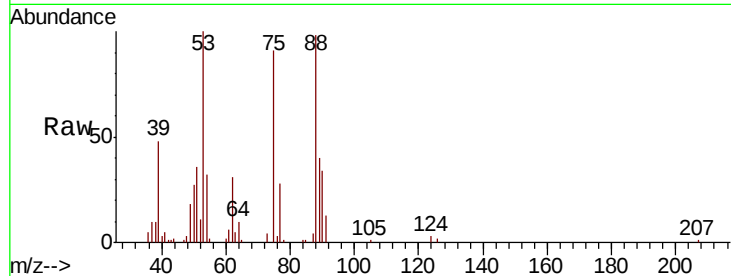
Tot Ion: 75 Resp: 35638

Ion Ratio Lower Upper

75 100

53 108.9 84.1 126.1

89 44.4 35.2 52.8



#82

4-Chlorotoluene

Concen: 49.619 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061321.D

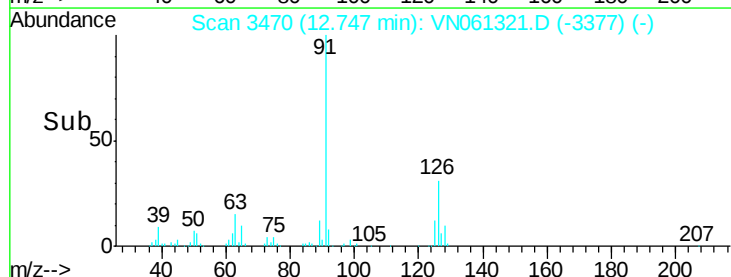
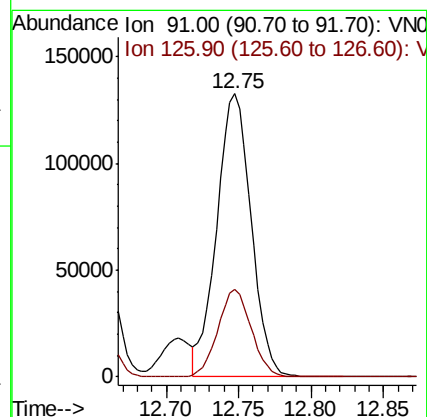
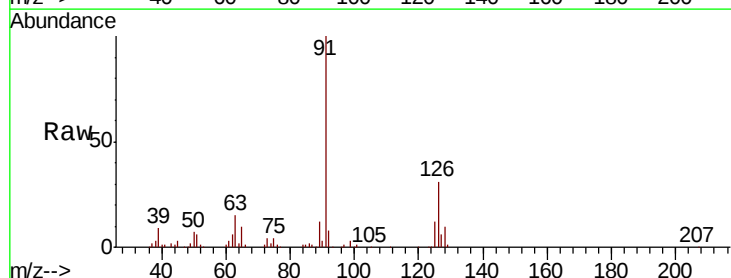
Acq: 6 May 2020 19:41

Tgt Ion: 91 Resp: 219174

Ion Ratio Lower Upper

91 100

126 30.0 15.7 47.1

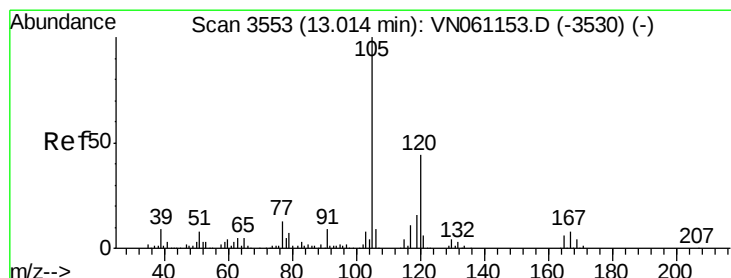
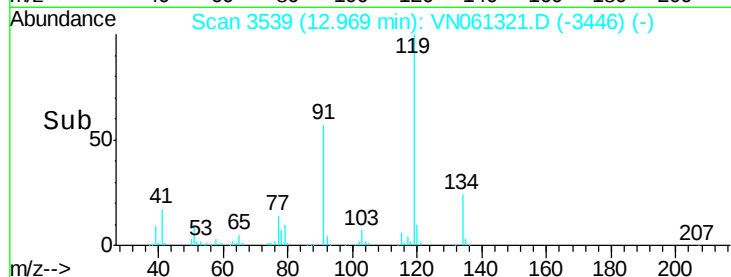
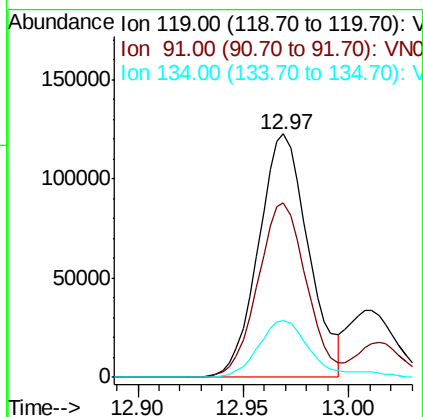
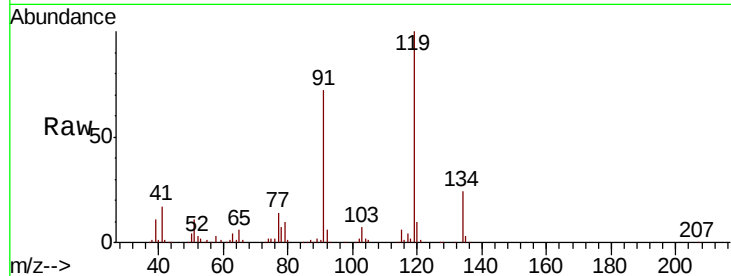




#83
tert-Butylbenzene
Concen: 48.116 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

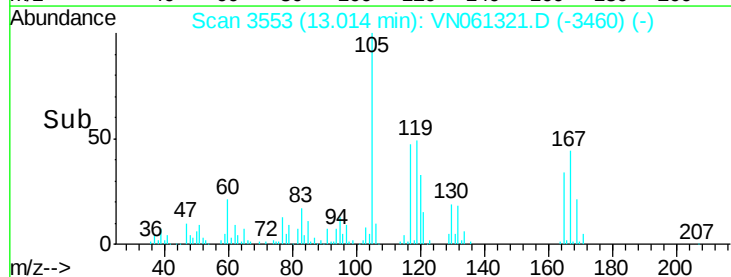
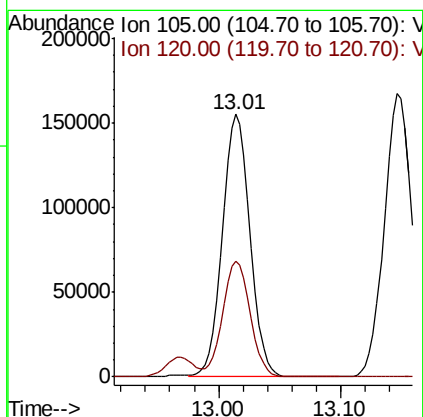
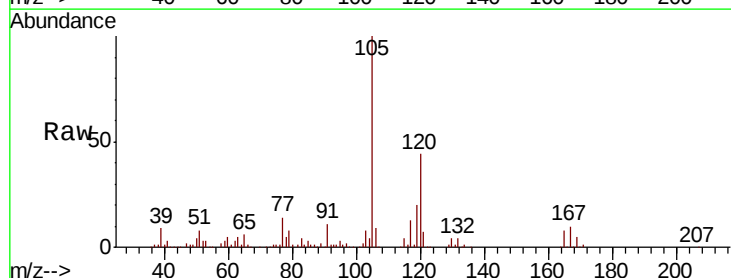
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 201862
Ion Ratio Lower Upper
119 100
91 70.3 34.8 104.4
134 25.1 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 48.184 ug/l
RT: 13.01 min Scan# 3553
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion:105 Resp: 246994
Ion Ratio Lower Upper
105 100
120 44.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 46.711 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

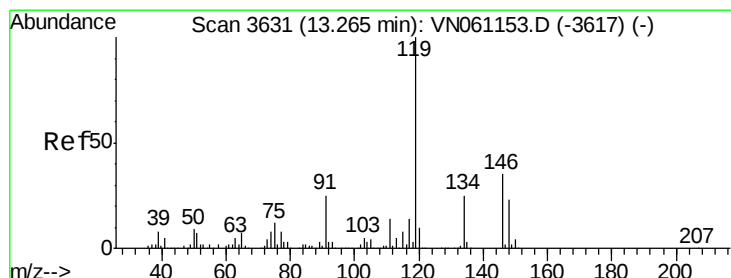
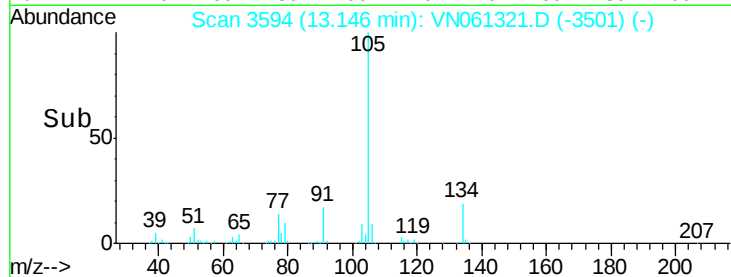
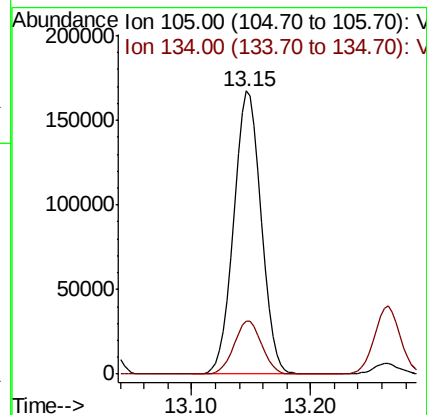
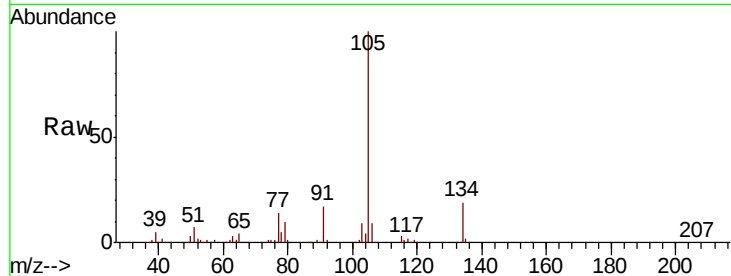
ClientSampleId :

Tot Ion:105 Resp: 267177

Ion Ratio Lower Upper

105 100

134 18.8 9.6 28.8



#86

p-Isopropyltoluene

Concen: 46.587 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

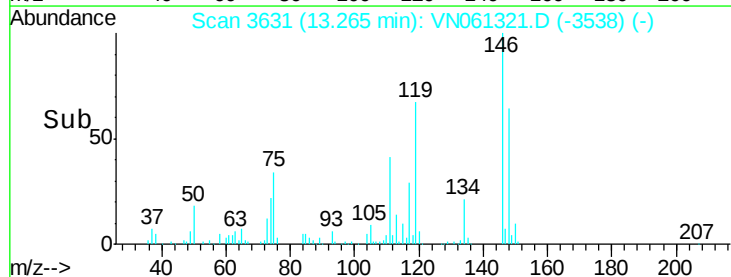
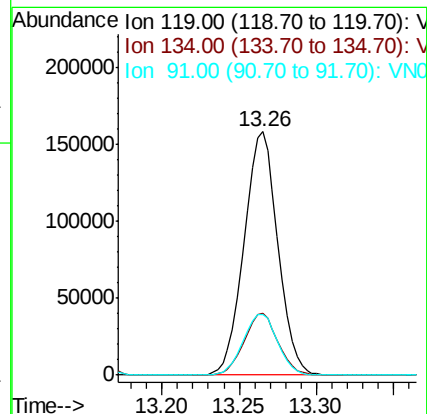
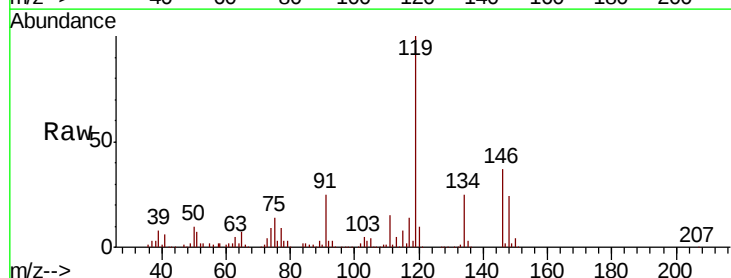
Tgt Ion:119 Resp: 240086

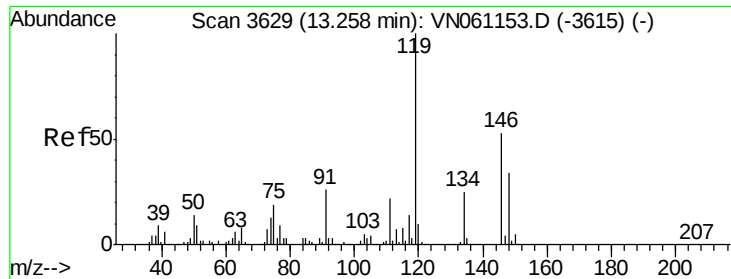
Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.6

91 25.6 12.7 38.0

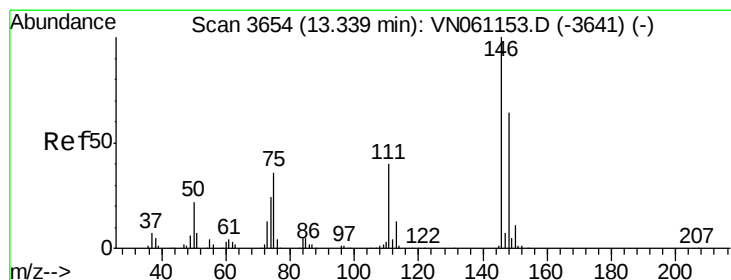
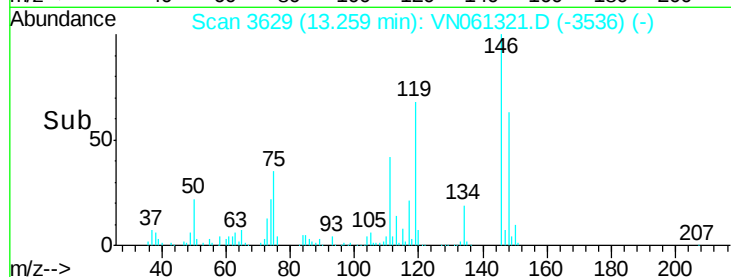
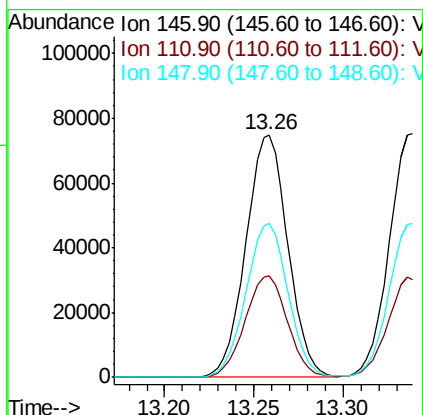
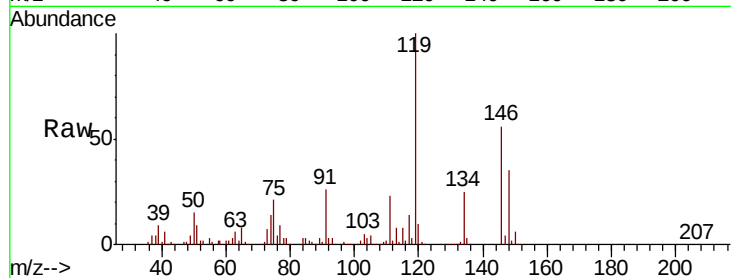




#87
 1,3-Dichlorobenzene
 Concen: 48.155 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

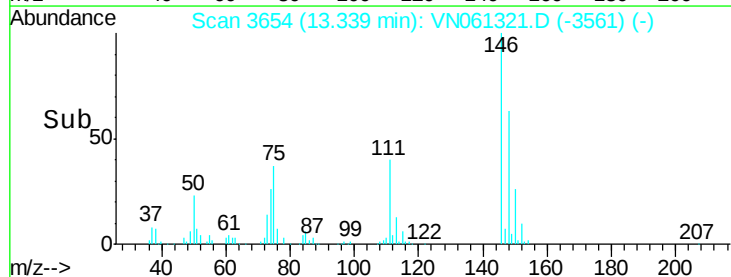
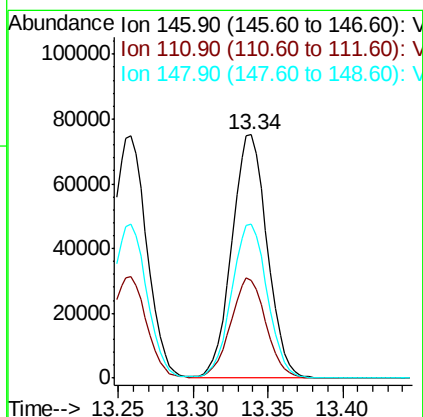
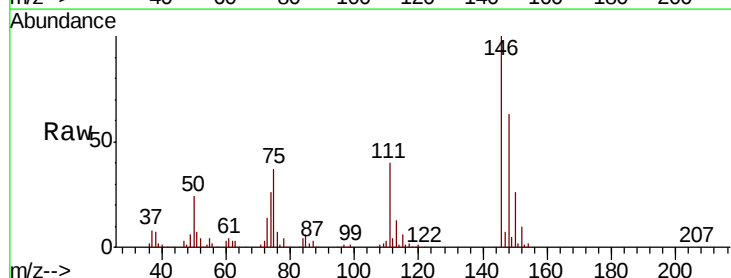
Instrument :
 MSVOA_N
 ClientSampled :

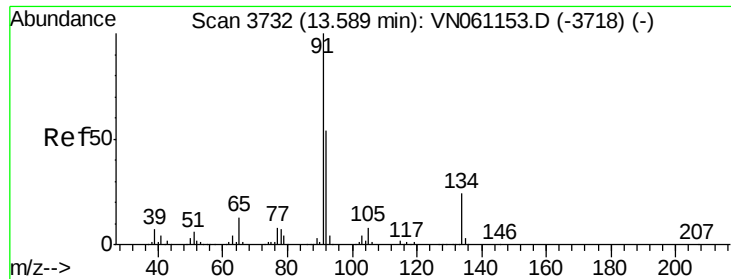
Tot Ion:146 Resp: 123020
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.7 62.1
 148 63.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 47.469 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion:146 Resp: 123905
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.4 61.3
 148 64.1 31.9 95.7

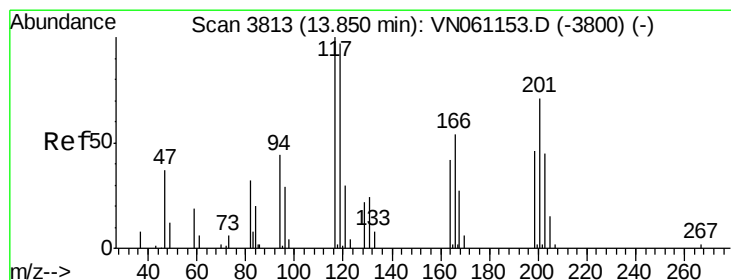
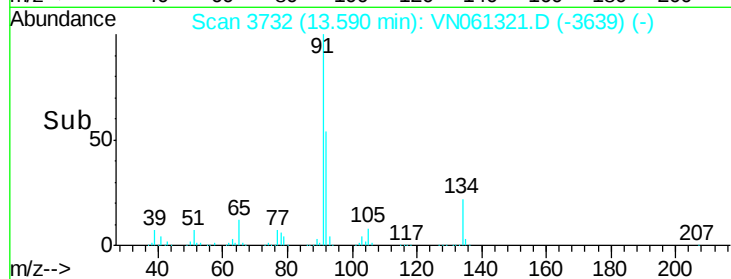
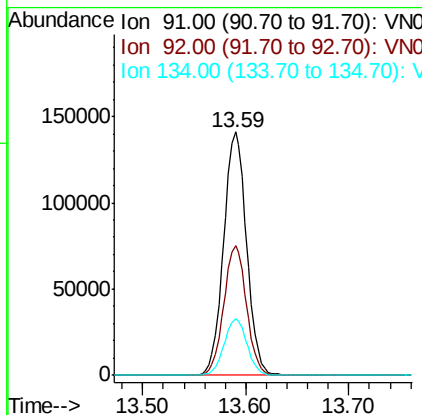
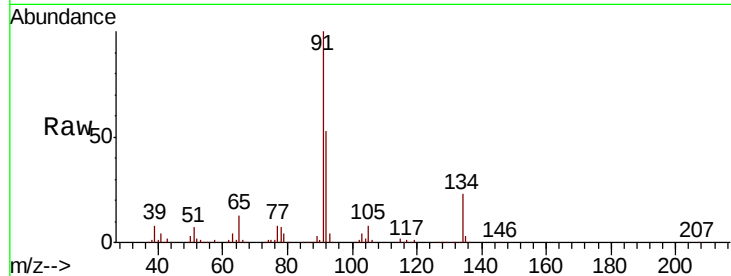




#89
n-Butylbenzene
Concen: 46.251 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

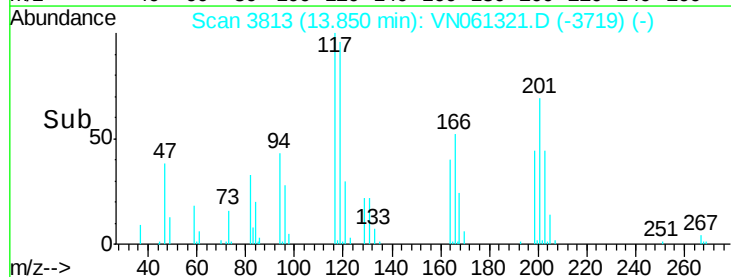
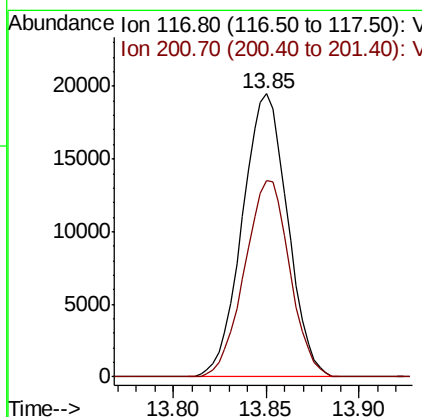
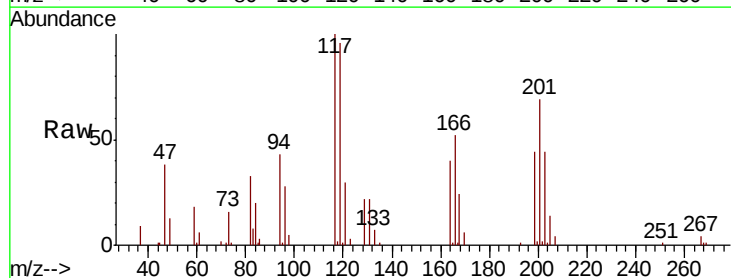
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 218511
Ion Ratio Lower Upper
91 100
92 52.7 26.8 80.3
134 23.3 11.9 35.5



#90
Hexachloroethane
Concen: 59.649 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 117 Resp: 32997
Ion Ratio Lower Upper
117 100
201 69.2 35.5 106.7

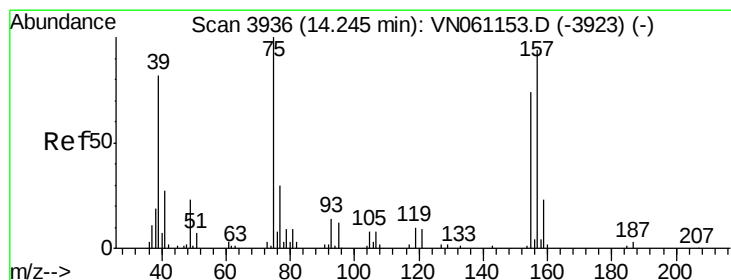
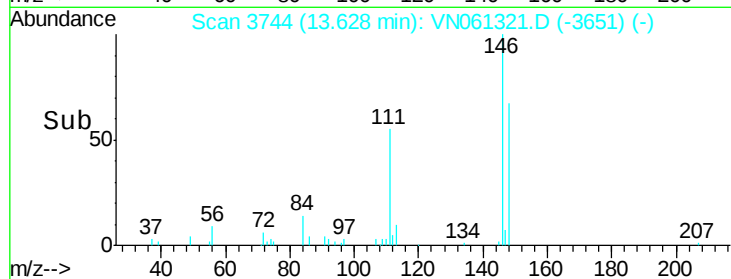
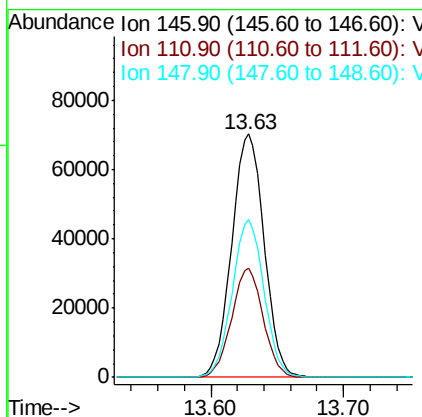
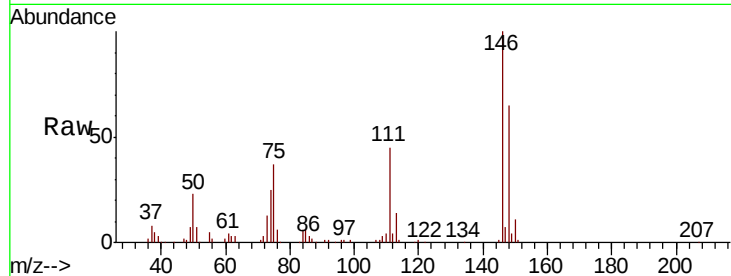




#91
 1,2-Dichlorobenzene
 Concen: 48.754 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

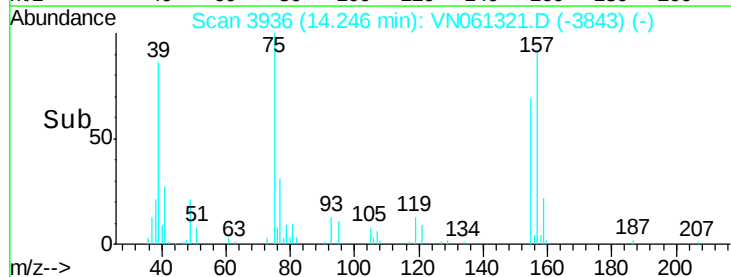
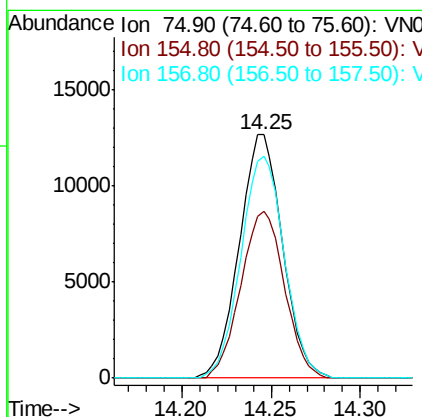
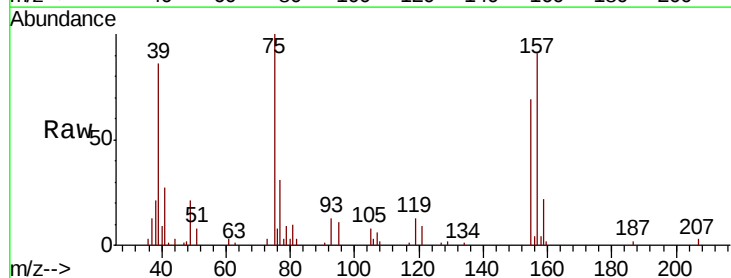
Instrument :
 MSVOA_N
 ClientSampleId :

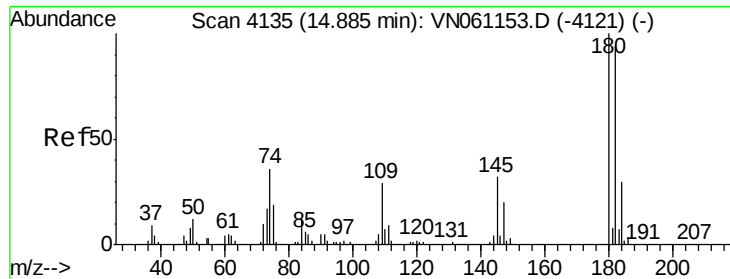
Tot Ion:146 Resp: 119423
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.8 65.3
 148 63.5 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.092 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion: 75 Resp: 21414
 Ion Ratio Lower Upper
 75 100
 155 69.1 36.5 109.7
 157 91.7 46.6 139.7

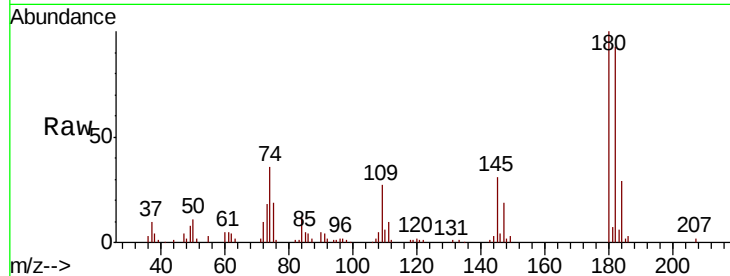




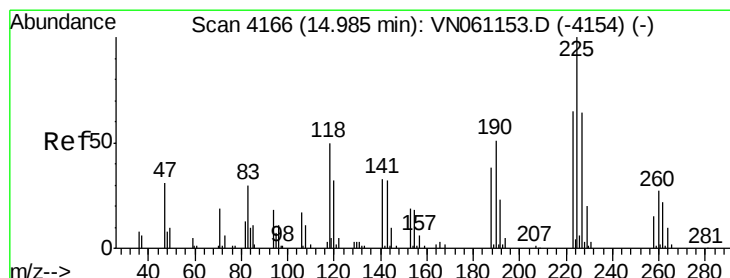
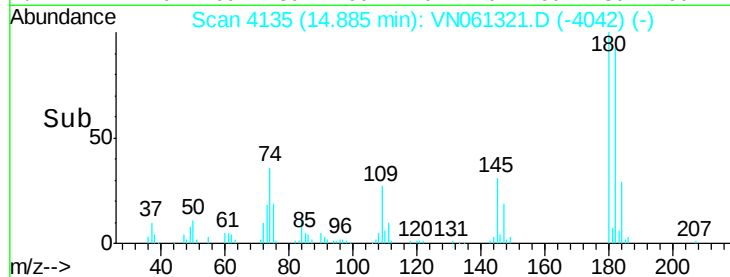
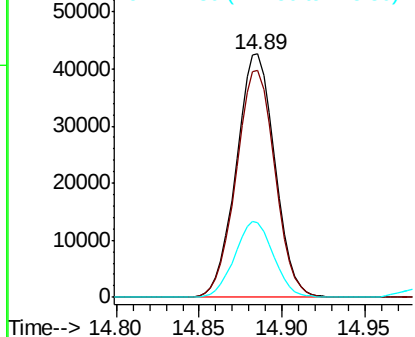
#93
 1,2,4-Trichlorobenzene
 Concen: 46.445 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.3	141.9
145	31.2	16.0	47.9

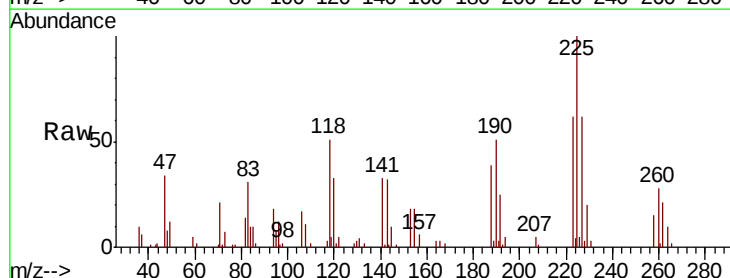


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

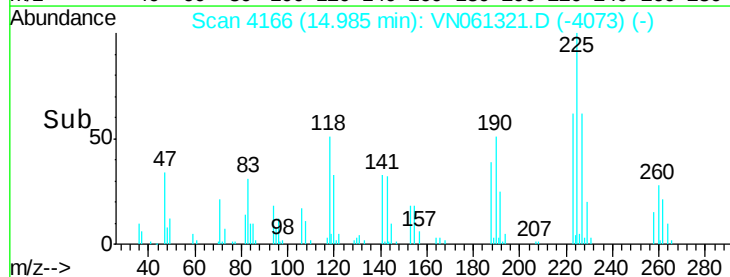
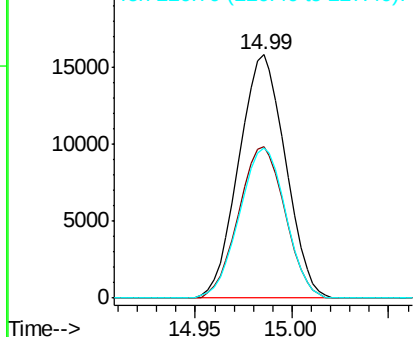


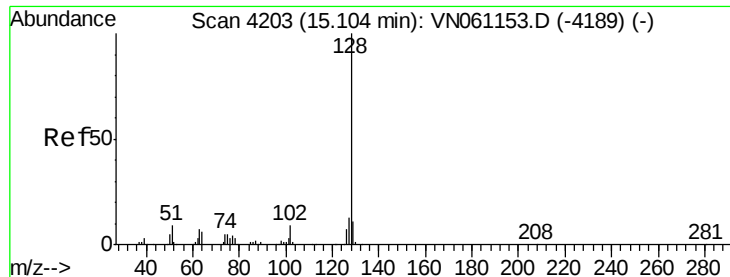
#94
 Hexachlorobutadiene
 Concen: 42.561 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.4	97.0
227	61.1	32.4	97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

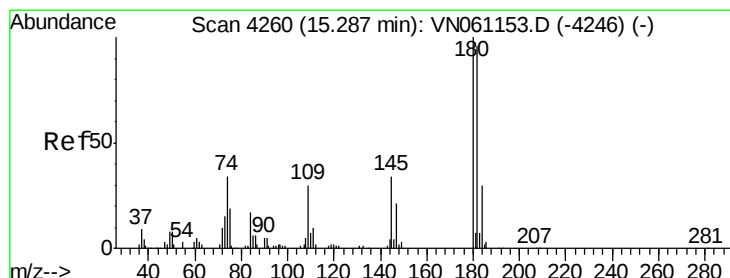
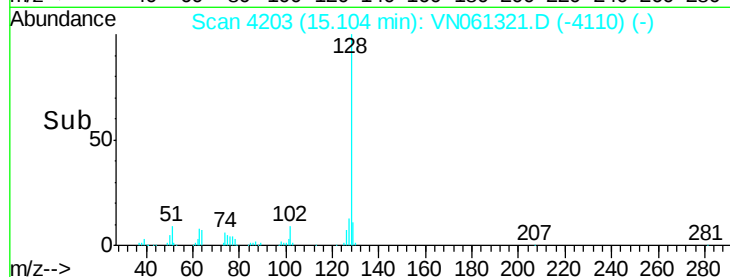
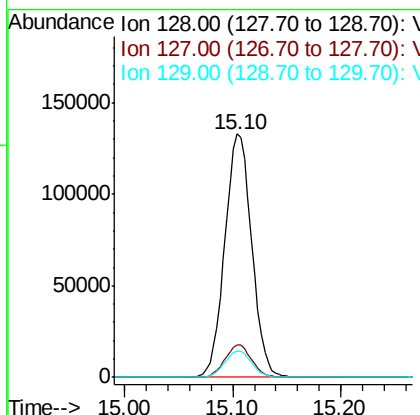
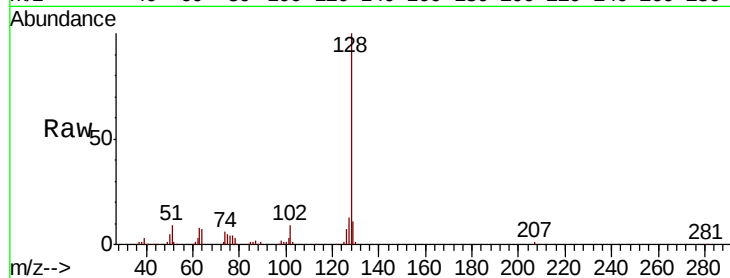




#95
Naphthalene
Concen: 47.415 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 230329
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 44.485 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion:180 Resp: 65512
Ion Ratio Lower Upper
180 100
182 97.4 47.5 142.5
145 34.8 16.9 50.7

