

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050520\
 Data File : VN061290.D
 Acq On : 5 May 2020 14:32
 Operator : JC/MD
 Sample : VN0505WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 03:46:39 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	7.63	168	112581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	196670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	181846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84630	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	84629	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.54	113	50427	43.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.72%	
50) Toluene-d8	10.06	98	216656	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
62) 4-Bromofluorobenzene	12.37	95	80063	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	22585	18.918	ug/l	99
3) Chloromethane	2.03	50	30065	20.794	ug/l	99
4) Vinyl Chloride	2.16	62	33494	20.395	ug/l	98
5) Bromomethane	2.54	94	14331	17.654	ug/l	96
6) Chloroethane	2.67	64	21140	20.309	ug/l	99
7) Trichlorofluoromethane	2.98	101	42391	22.879	ug/l	98
8) Diethyl Ether	3.37	74	16459	21.297	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	24673	20.671	ug/l	98
10) Methyl Iodide	3.91	142	26132	17.035	ug/l	98
11) Tert butyl alcohol	4.73	59	18423	77.203	ug/l	99
12) 1,1-Dichloroethene	3.69	96	23874	20.099	ug/l	99
13) Acrolein	3.56	56	15248	95.885	ug/l	96
14) Allyl chloride	4.27	41	49097	22.292	ug/l	99
15) Acrylonitrile	4.93	53	72278	98.669	ug/l	99
16) Acetone	3.77	43	63067	87.961	ug/l	100
17) Carbon Disulfide	4.01	76	56192	17.126	ug/l	97
18) Methyl Acetate	4.27	43	38998	17.786	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	90146	19.861	ug/l	99
20) Methylene Chloride	4.50	84	27566	19.845	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	25141	19.437	ug/l	97
22) Diisopropyl ether	5.90	45	103164	20.199	ug/l	97
23) Vinyl Acetate	5.84	43	408100	99.240	ug/l	100
24) 1,1-Dichloroethane	5.80	63	52751	19.768	ug/l	99
25) 2-Butanone	6.78	43	98154	93.117	ug/l	98
26) 2,2-Dichloropropane	6.77	77	47443	21.108	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	29689	19.560	ug/l	98
28) Bromochloromethane	7.15	49	25230	19.948	ug/l	96
29) Tetrahydrofuran	7.16	42	66531	93.697	ug/l	99
30) Chloroform	7.33	83	53108	19.639	ug/l	98
31) Cyclohexane	7.61	56	46655	18.003	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	46408	19.708	ug/l	99
36) 1,1-Dichloropropene	7.75	75	38206	19.406	ug/l	100
37) Ethyl Acetate	6.88	43	43998	19.063	ug/l	99
38) Carbon Tetrachloride	7.73	117	33894	20.293	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	38931	17.633	ug/l	98
40) Benzene	8.00	78	113775	19.398	ug/l	99
41) Methacrylonitrile	7.12	41	18718	19.533	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	44870	20.193	ug/l	99
43) Isopropyl Acetate	8.12	43	73498	19.188	ug/l #	92
44) Trichloroethene	8.80	130	28724	18.116	ug/l	98
45) 1,2-Dichloropropane	9.09	63	30372	19.382	ug/l	98
46) Dibromomethane	9.18	93	19394	19.989	ug/l	99
47) Bromodichloromethane	9.37	83	41794	20.069	ug/l	100
48) Methyl methacrylate	9.17	41	32727	18.934	ug/l	96
49) 1,4-Dioxane	9.17	88	4518	230.268	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	217780	96.591	ug/l	100
52) Toluene	10.12	92	67771	19.183	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	45382	19.340	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	47977	19.340	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	26857	19.059	ug/l	99
56) Ethyl methacrylate	10.40	69	41419	18.674	ug/l	97
57) 1,3-Dichloropropane	10.68	76	48322	19.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	98506	86.359	ug/l	98
59) 2-Hexanone	10.72	43	154139	93.969	ug/l	99
60) Dibromochloromethane	10.87	129	28482	19.298	ug/l	99
61) 1,2-Dibromoethane	10.98	107	27208	19.263	ug/l	100
64) Tetrachloroethene	10.60	164	26860	17.054	ug/l	95
65) Chlorobenzene	11.40	112	69771	19.342	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	25735	19.933	ug/l	99
67) Ethyl Benzene	11.48	91	131155	19.423	ug/l	99
68) m/p-Xylenes	11.59	106	93499	37.828	ug/l	96
69) o-Xylene	11.92	106	44551	18.765	ug/l	97
70) Styrene	11.94	104	74794	18.822	ug/l	98
71) Bromoform	12.10	173	18275	19.260	ug/l #	97
73) Isopropylbenzene	12.22	105	121322	19.500	ug/l	99
74) N-amyl acetate	12.04	43	61111	19.397	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	39405	20.312	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	53845	30.178	ug/l #	100
77) Bromobenzene	12.50	156	28672	19.964	ug/l	99
78) n-propylbenzene	12.56	91	144235	19.545	ug/l	100
79) 2-Chlorotoluene	12.65	91	85667	19.750	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	101327	19.678	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	13575	19.321	ug/l	96
82) 4-Chlorotoluene	12.75	91	90485	19.793	ug/l	99
83) tert-Butylbenzene	12.97	119	83933	19.331	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	102342	19.291	ug/l	100
85) sec-Butylbenzene	13.15	105	114326	19.313	ug/l	99
86) p-Isopropyltoluene	13.26	119	102148	19.152	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	50819	19.221	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	50584	18.725	ug/l	96
89) n-Butylbenzene	13.59	91	92389	18.895	ug/l	100
90) Hexachloroethane	13.85	117	12223	26.246	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	49712	19.609	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7924	19.340	ug/l	95

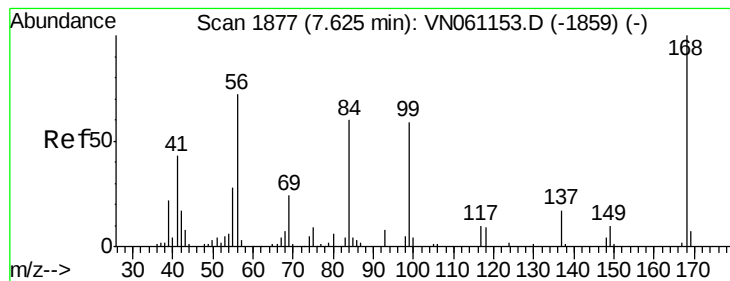
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	28325	18.348	ug/l	99
94) Hexachlorobutadiene	14.99	225	12731	19.740	ug/l	99
95) Naphthalene	15.10	128	88191	17.542	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	27096	17.778	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

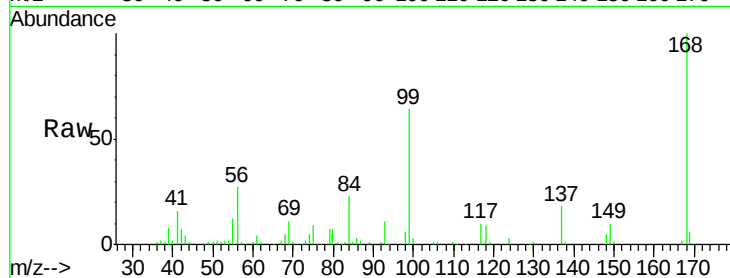
ClientSampled :

Tot Ion:168 Resp: 112581

Ion Ratio Lower Upper

168 100

99 63.8 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

50000

40000

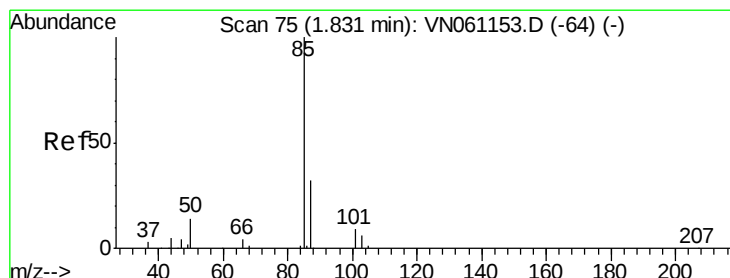
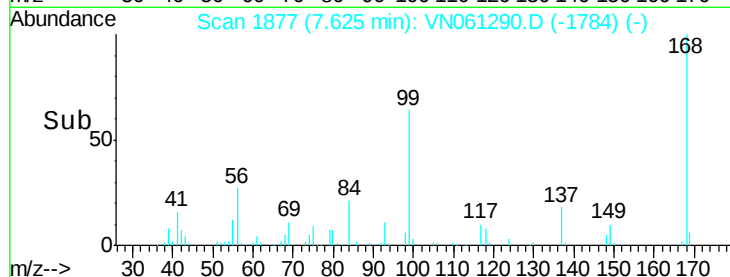
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.918 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061290.D

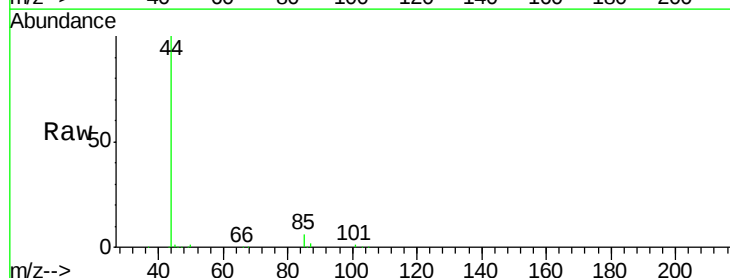
Acq: 5 May 2020 14:32

Tgt Ion: 85 Resp: 22585

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

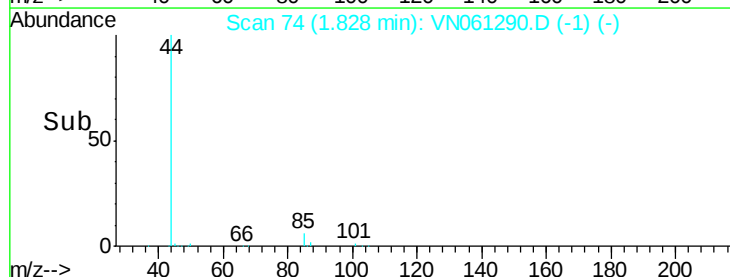
15000

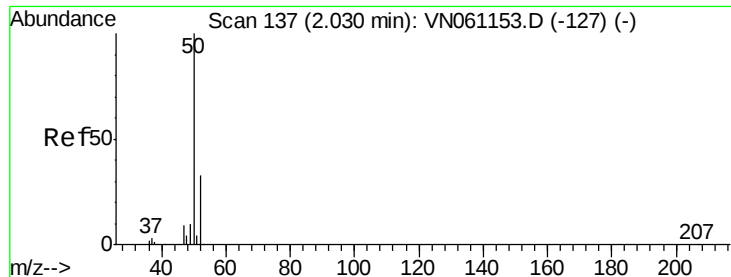
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.794 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

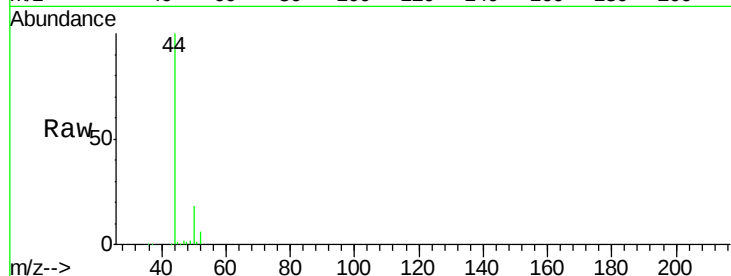
ClientSampled :

Tot Ion: 50 Resp: 30065

Ion Ratio Lower Upper

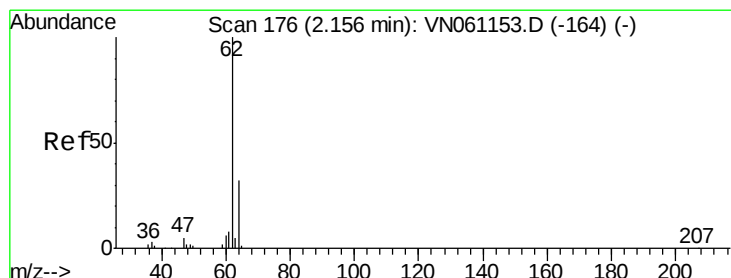
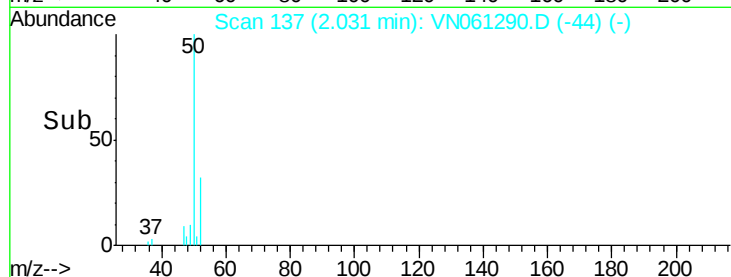
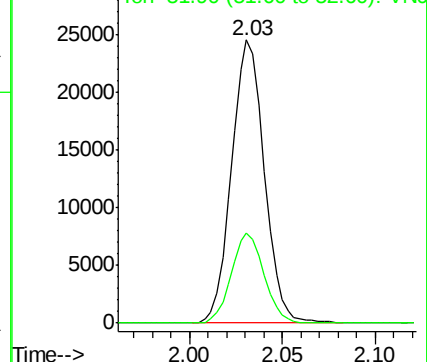
50 100

52 32.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.395 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061290.D

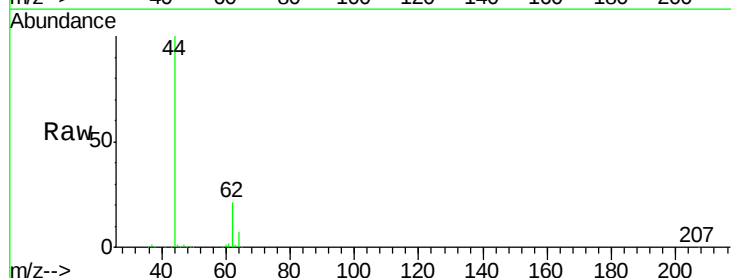
Acq: 5 May 2020 14:32

Tgt Ion: 62 Resp: 33494

Ion Ratio Lower Upper

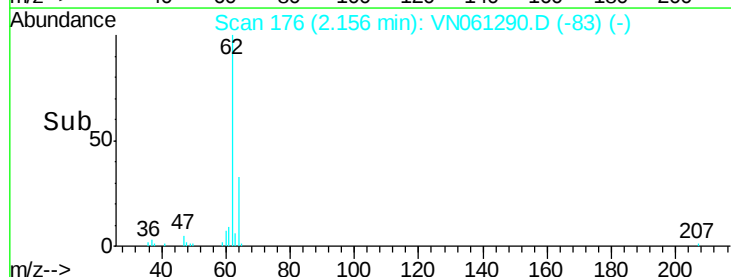
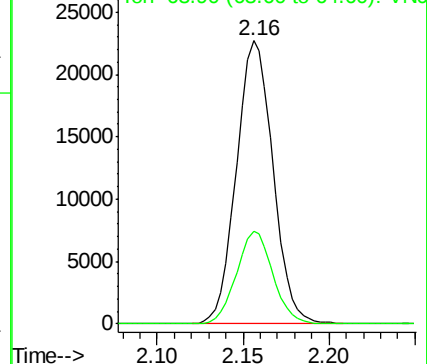
62 100

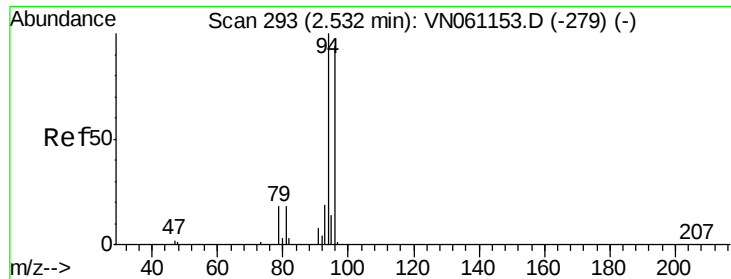
64 32.8 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.654 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.01 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

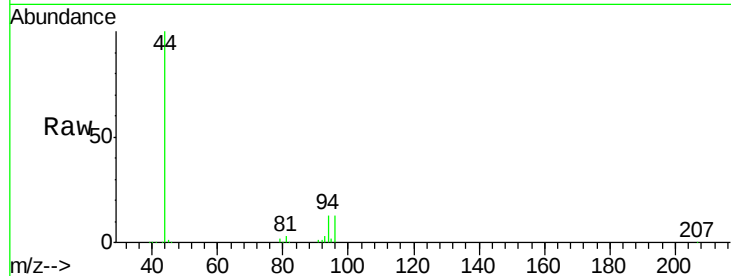
ClientSampled :

Tot Ion: 94 Resp: 14331

Ion Ratio Lower Upper

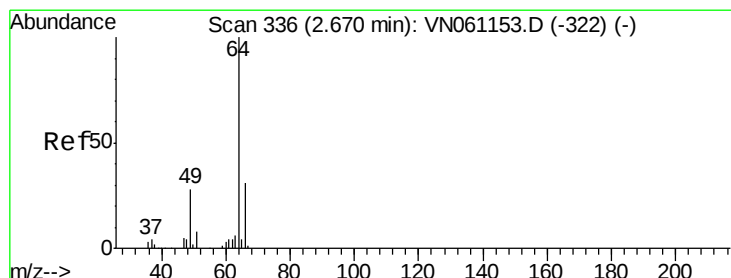
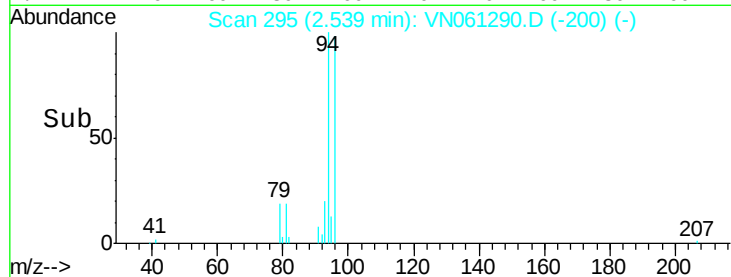
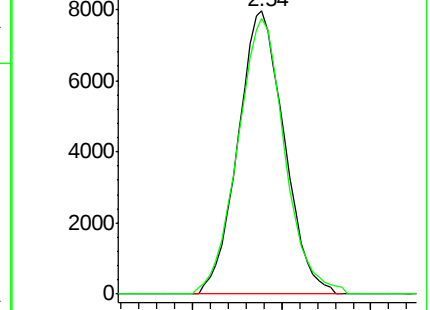
94 100

96 97.6 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VN061153.D (-279) (-)

Ion 95.90 (95.60 to 96.60): VN061153.D (-279) (-)



#6

Chloroethane

Concen: 20.309 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061290.D

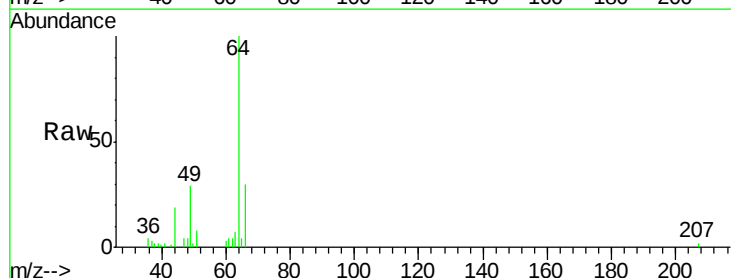
Acq: 5 May 2020 14:32

Tgt Ion: 64 Resp: 21140

Ion Ratio Lower Upper

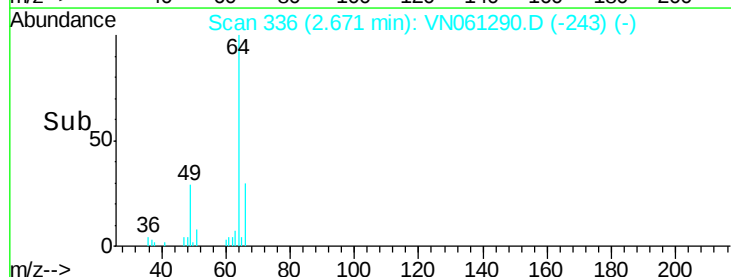
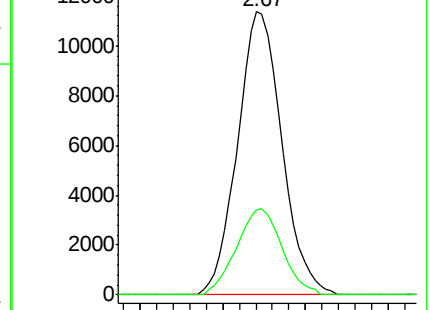
64 100

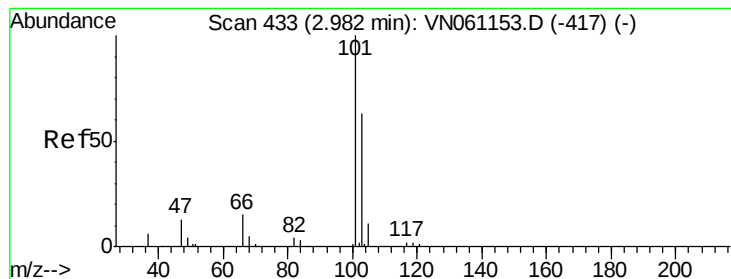
66 30.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN061153.D (-322) (-)

Ion 65.90 (65.60 to 66.60): VN061153.D (-322) (-)



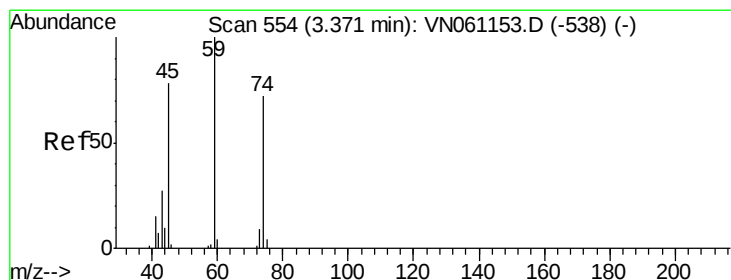
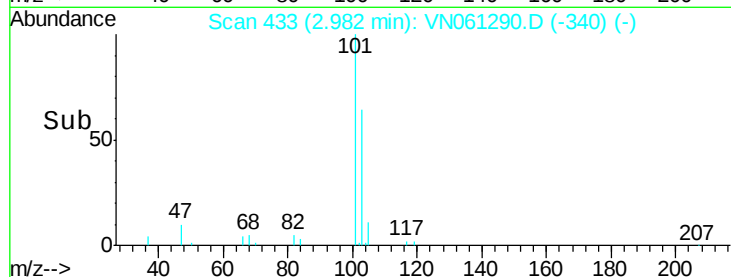
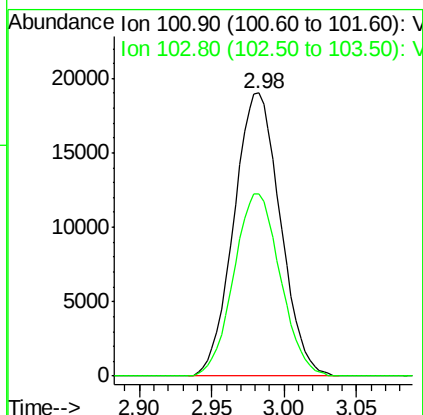
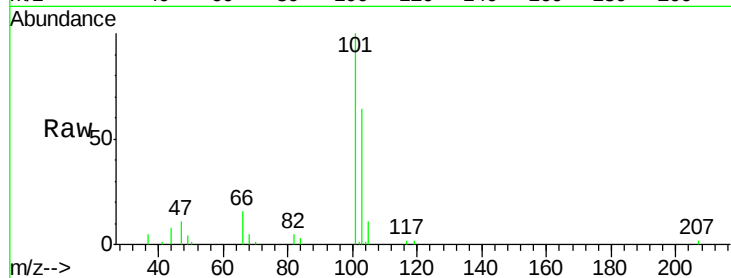


#7

Trichlorofluoromethane
Concen: 22.879 ug/l
RT: 2.98 min Scan# 433
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Instrument :
MSVOA_N
ClientSampleId :

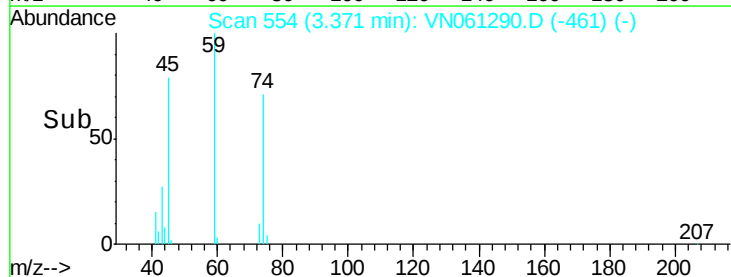
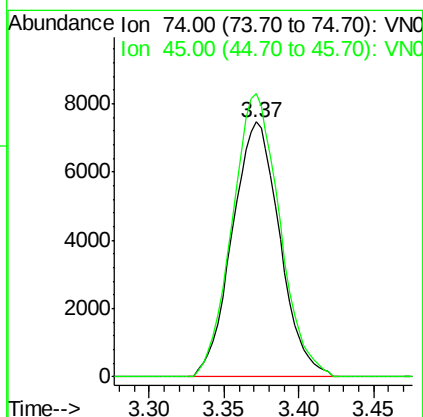
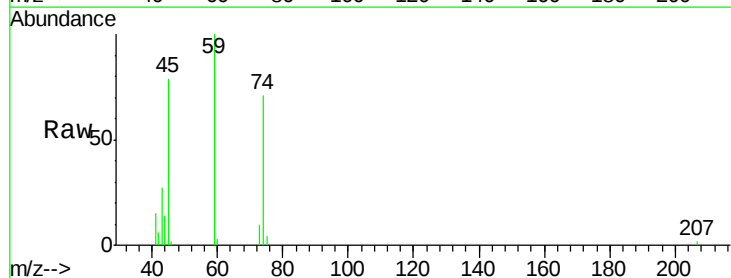
Tot Ion:101 Resp: 42391
Ion Ratio Lower Upper
101 100
103 64.5 50.6 76.0

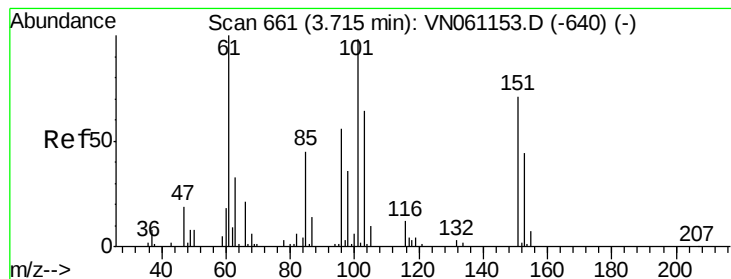


#8

Diethyl Ether
Concen: 21.297 ug/l
RT: 3.37 min Scan# 554
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Tgt Ion: 74 Resp: 16459
Ion Ratio Lower Upper
74 100
45 111.1 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.671 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

ClientSampled :

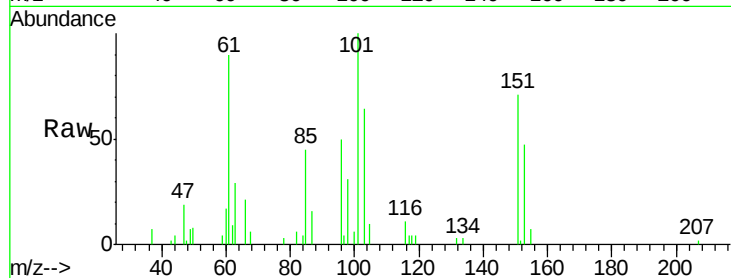
Tot Ion:101 Resp: 24673

Ion Ratio Lower Upper

101 100

85 44.4 37.2 55.8

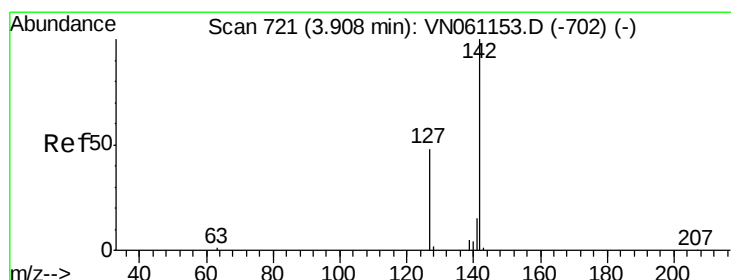
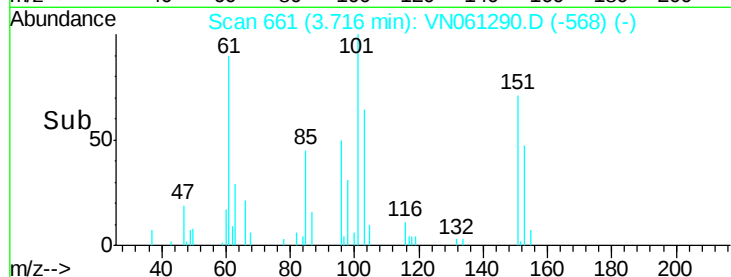
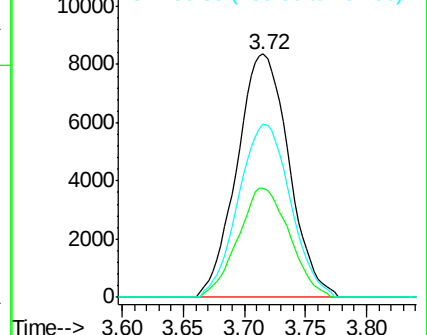
151 71.4 57.7 86.5



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: 17.035 ug/l

RT: 3.91 min Scan# 721

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

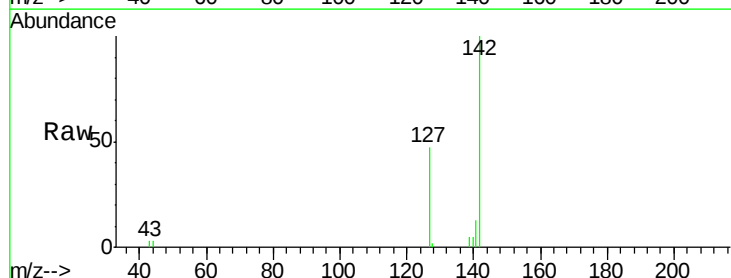
Tgt Ion:142 Resp: 26132

Ion Ratio Lower Upper

142 100

127 48.8 38.0 57.0

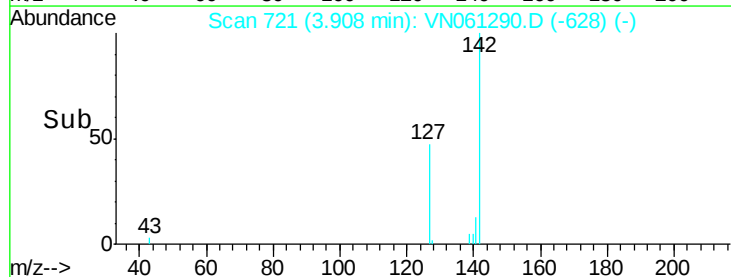
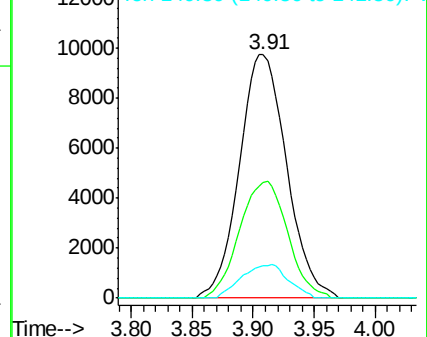
141 13.6 11.7 17.5

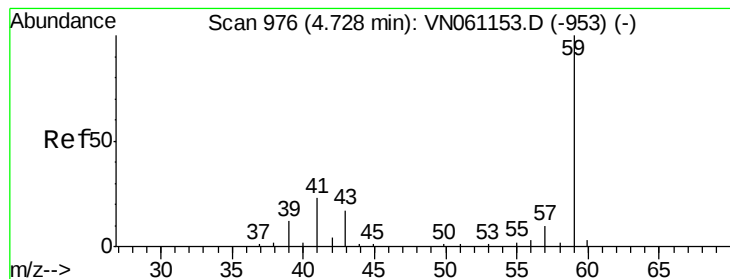


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



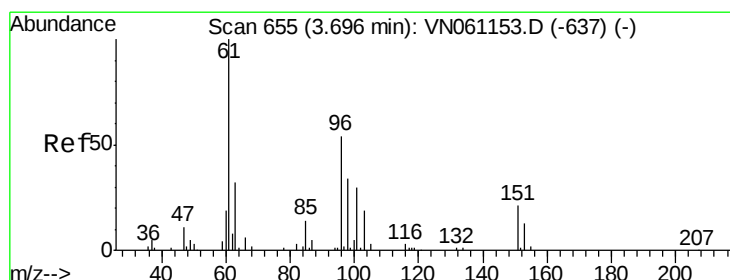
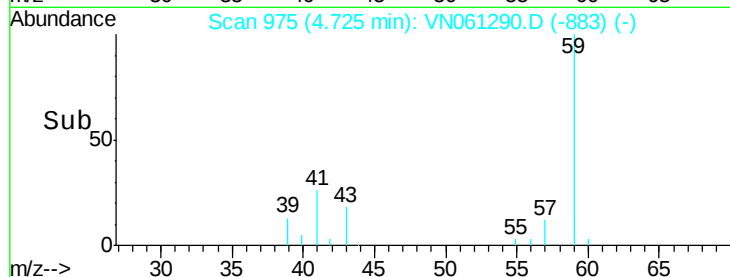
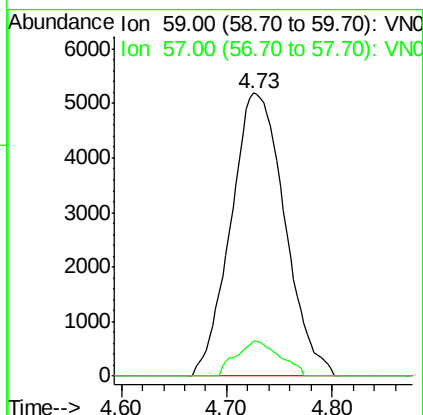
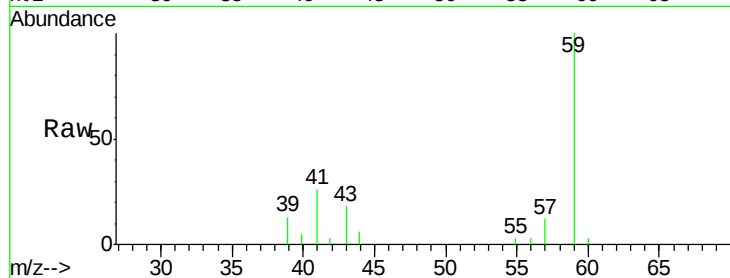


#11

Tert butyl alcohol
 Concen: 77.203 ug/l
 RT: 4.73 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

Instrument :
 MSVOA_N
 ClientSampleId :

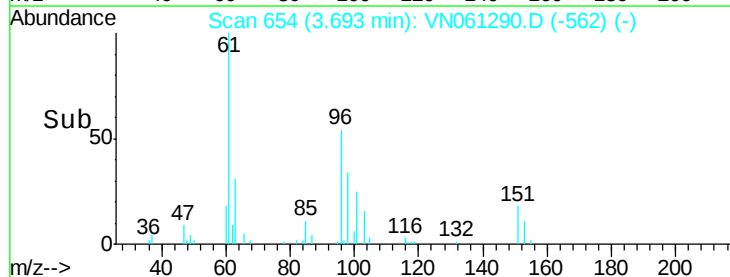
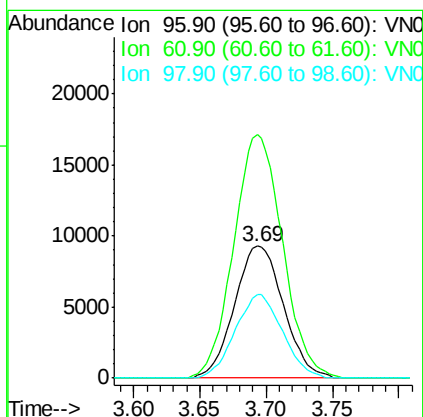
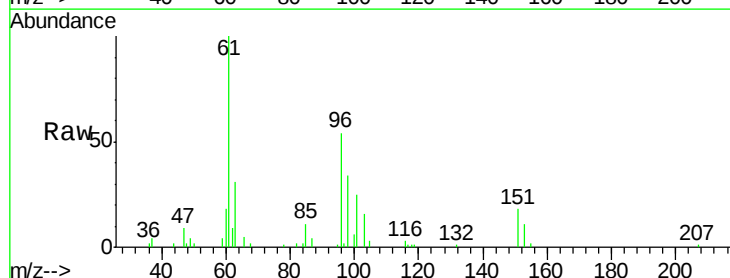
Tot Ion: 59 Resp: 18423
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.3 12.5

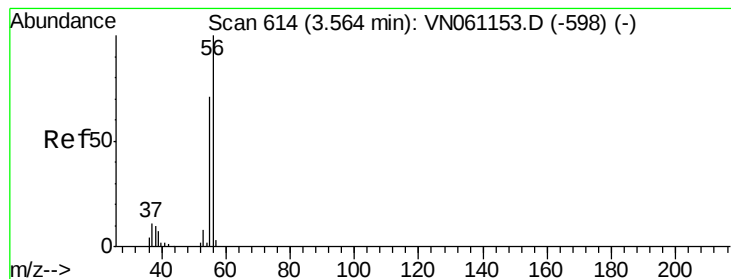


#12

1,1-Dichloroethene
 Concen: 20.099 ug/l
 RT: 3.69 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

Tgt Ion: 96 Resp: 23874
 Ion Ratio Lower Upper
 96 100
 61 184.2 147.0 220.6
 98 63.2 49.8 74.6





#13

Acrolein

Concen: 95.885 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

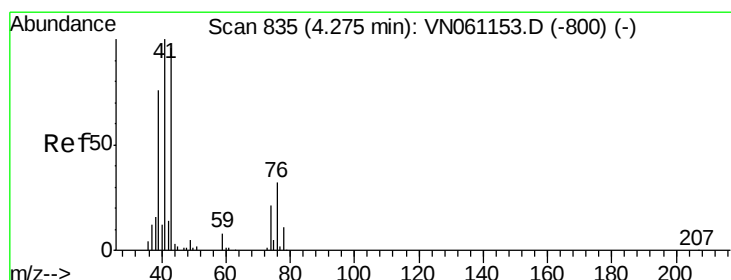
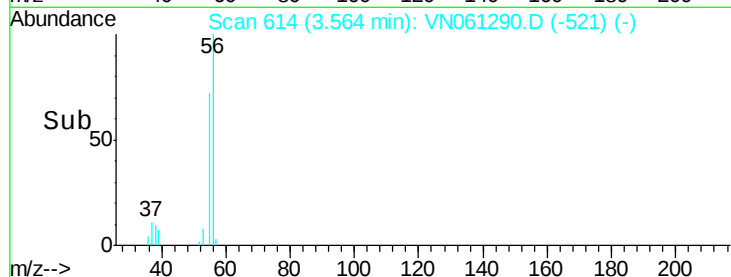
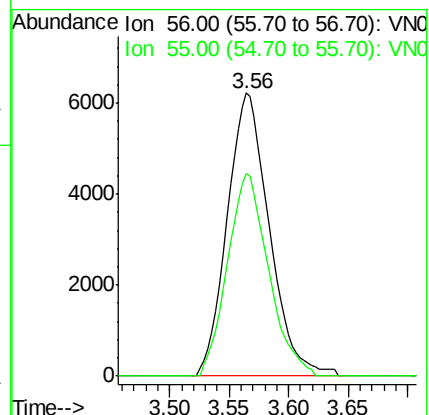
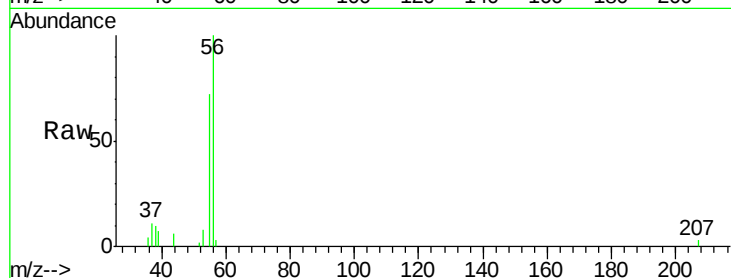
ClientSampled :

Tot Ion: 56 Resp: 15248

Ion Ratio Lower Upper

56 100

55 69.6 58.5 87.7



#14

Allyl chloride

Concen: 22.292 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

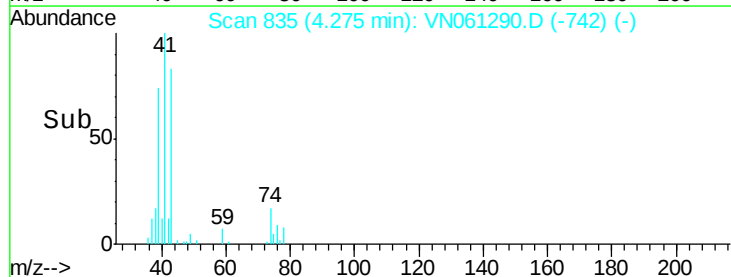
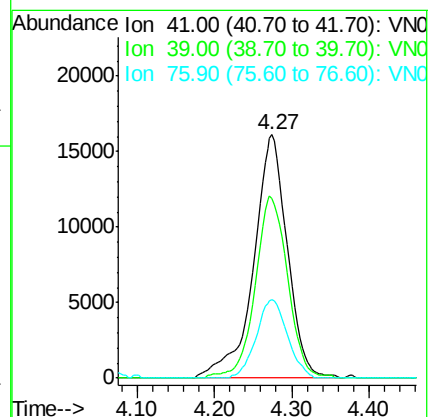
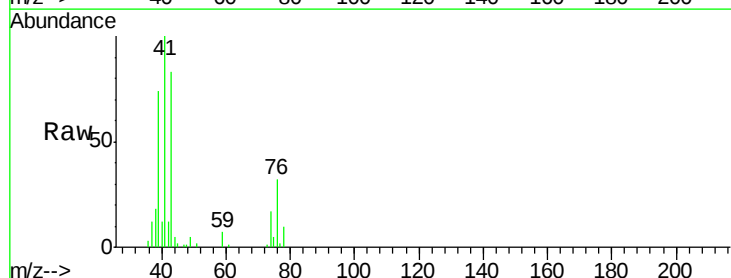
Tgt Ion: 41 Resp: 49097

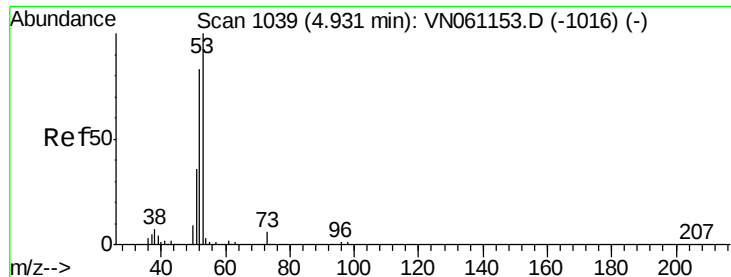
Ion Ratio Lower Upper

41 100

39 72.0 57.1 85.7

76 29.8 24.3 36.5





#15

Acrylonitrile

Concen: 98.669 ug/l

RT: 4.93 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

ClientSampled :

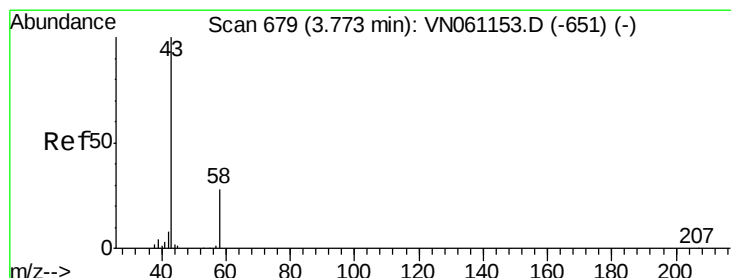
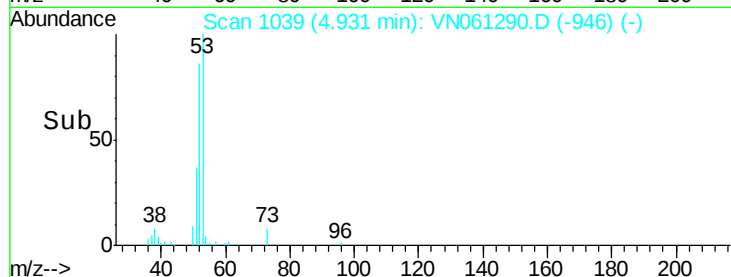
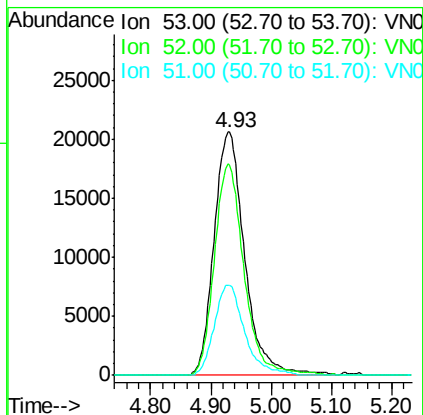
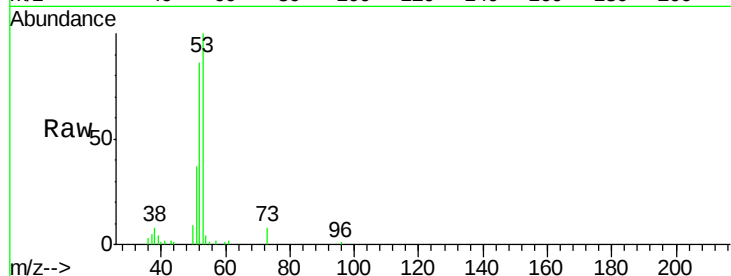
Tot Ion: 53 Resp: 72278

Ion Ratio Lower Upper

53 100

52 83.5 65.4 98.0

51 36.8 29.5 44.3



#16

Acetone

Concen: 87.961 ug/l

RT: 3.77 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN061290.D

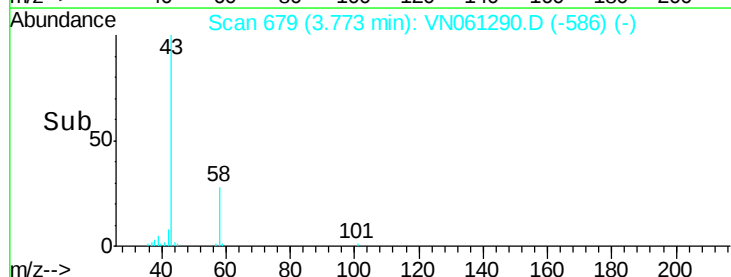
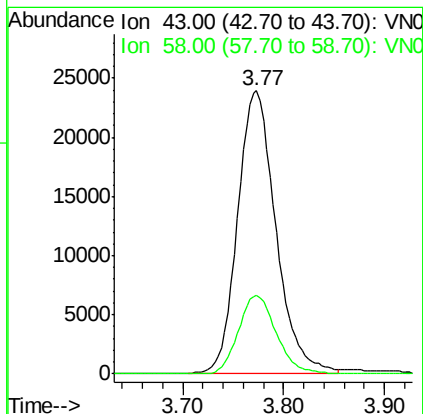
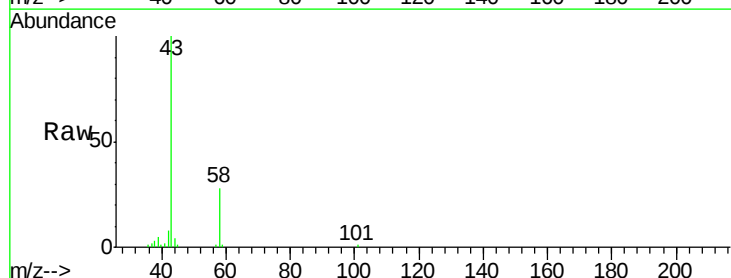
Acq: 5 May 2020 14:32

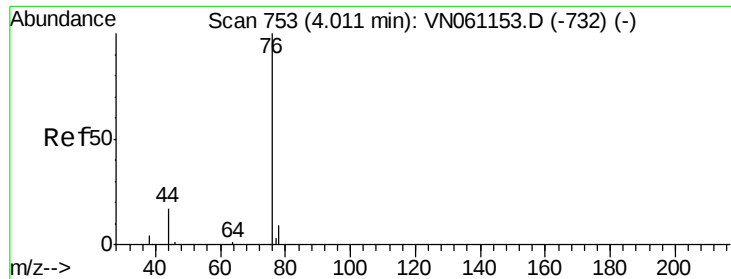
Tgt Ion: 43 Resp: 63067

Ion Ratio Lower Upper

43 100

58 27.6 22.2 33.2

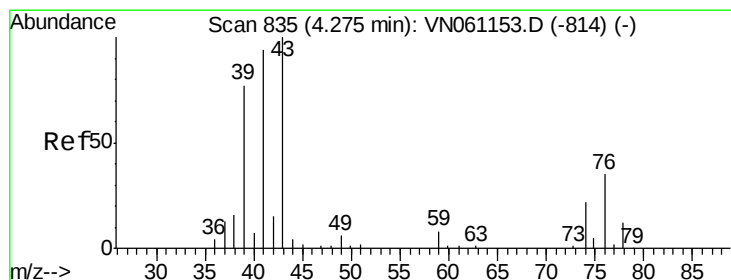
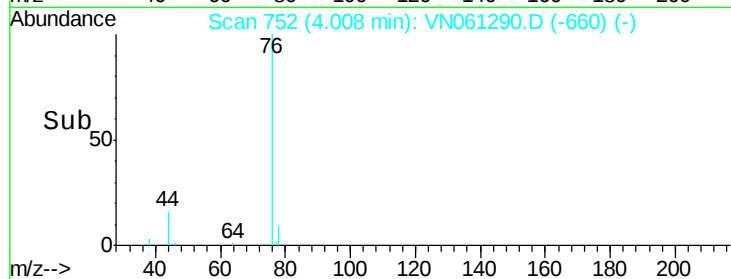
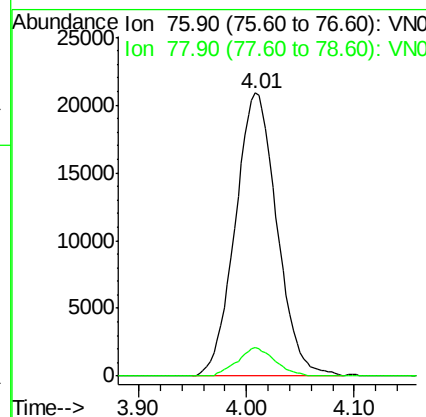
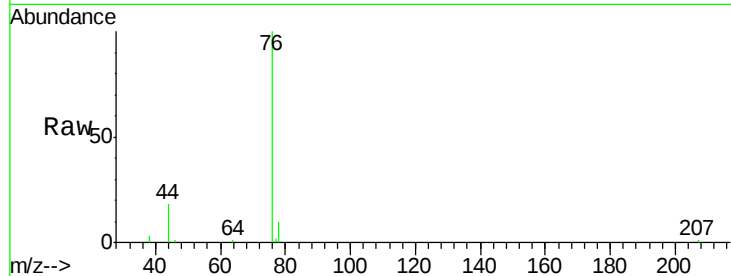




#17
Carbon Disulfide
Concen: 17.126 ug/l
RT: 4.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

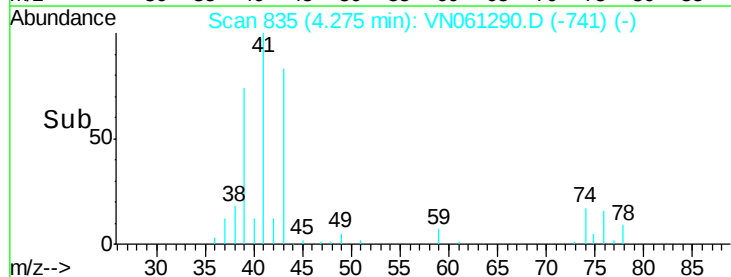
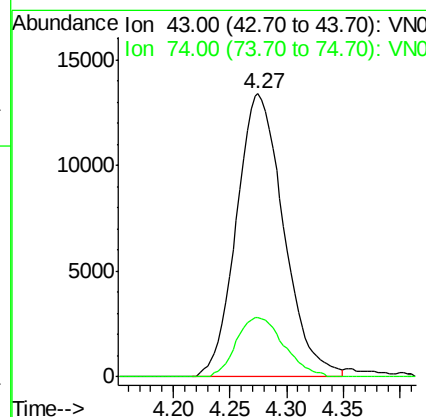
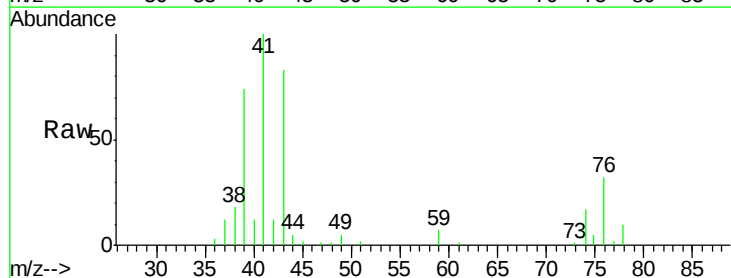
Instrument :
MSVOA_N
ClientSampleId :

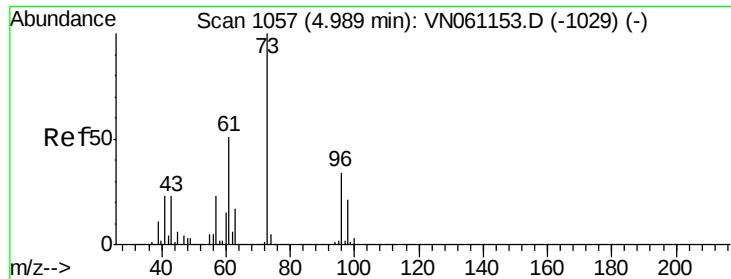
Tot Ion: 76 Resp: 56192
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8



#18
Methyl Acetate
Concen: 17.786 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Tgt Ion: 43 Resp: 38998
Ion Ratio Lower Upper
43 100
74 21.0 17.0 25.4

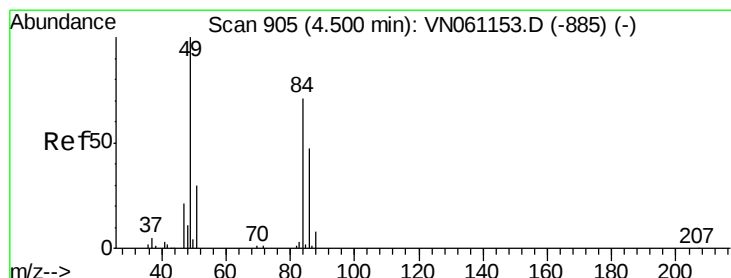
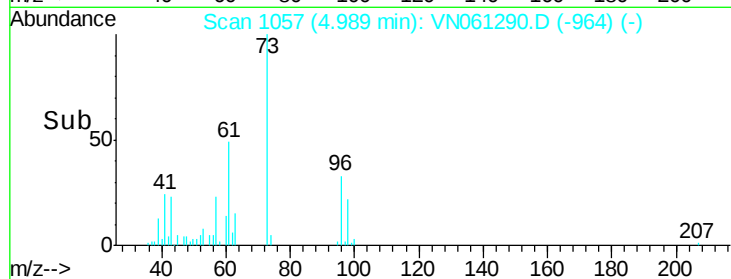
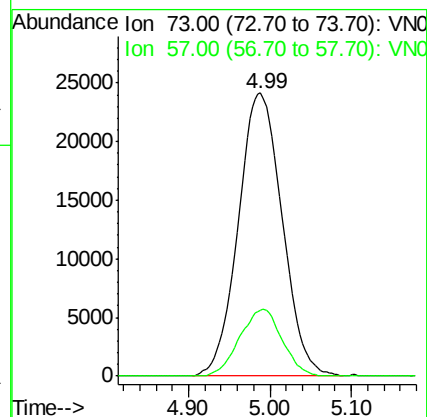
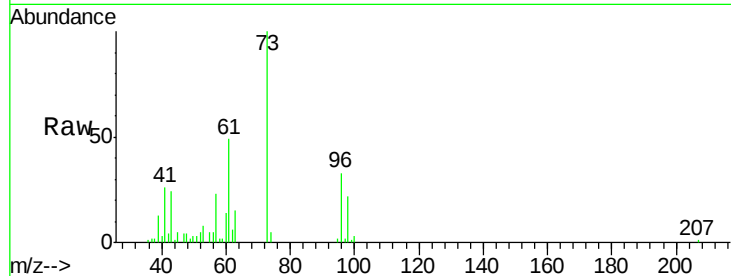




#19
Methyl tert-butyl Ether
Concen: 19.861 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

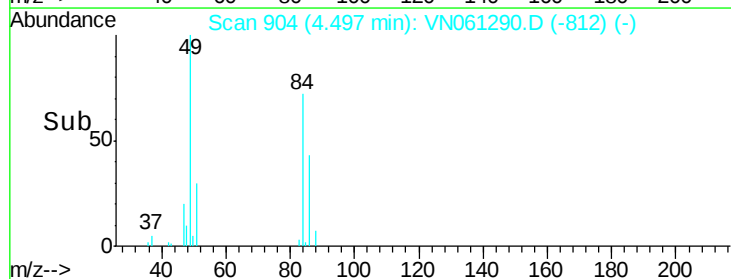
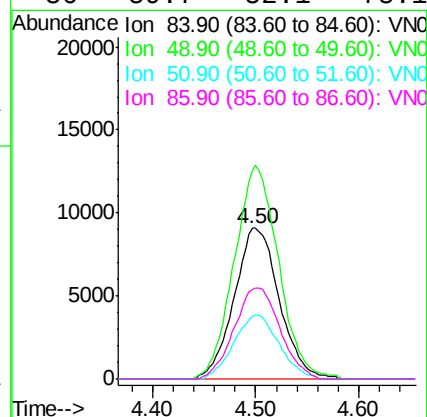
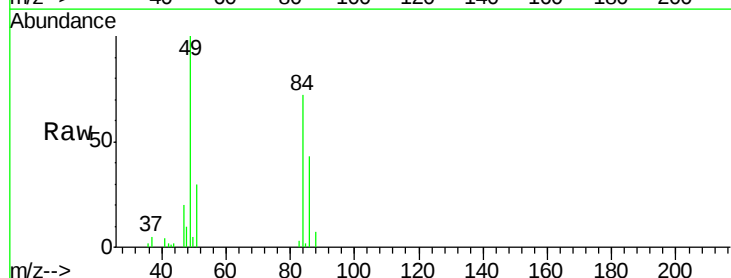
Instrument :
MSVOA_N
ClientSampled :

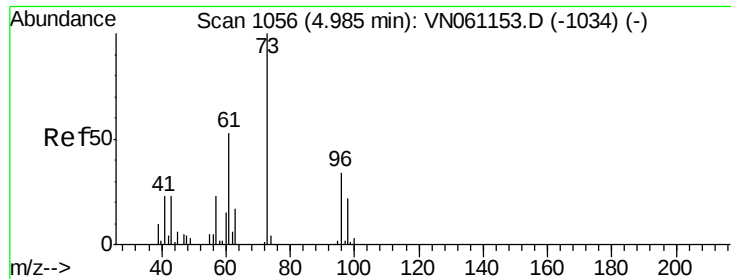
Tot Ion: 73 Resp: 90146
Ion Ratio Lower Upper
73 100
57 23.3 18.3 27.5



#20
Methylene Chloride
Concen: 19.845 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Tgt Ion: 84 Resp: 27566
Ion Ratio Lower Upper
84 100
49 138.9 112.0 168.0
51 41.3 33.6 50.4
86 59.7 52.1 78.1

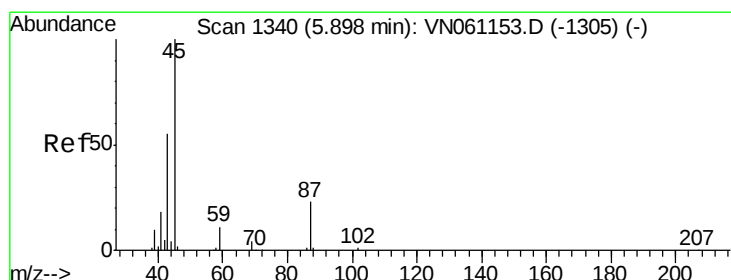
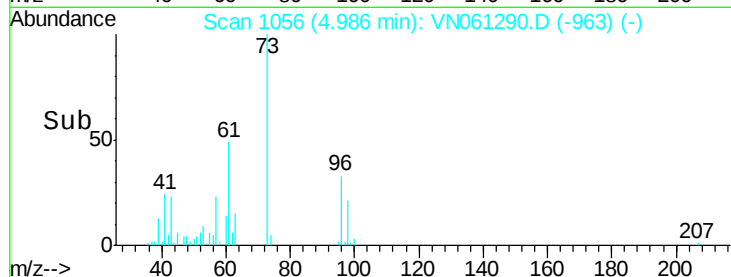
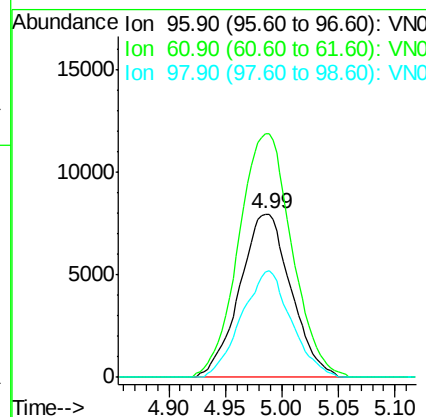
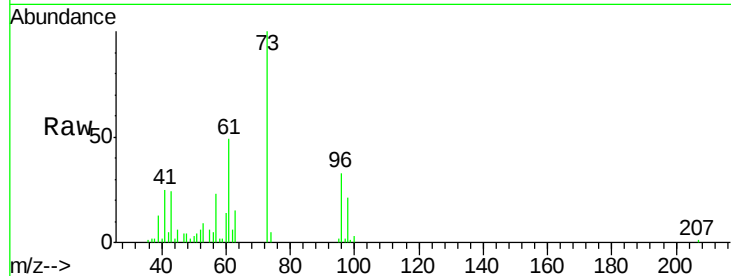




#21
trans-1,2-Dichloroethene
Concen: 19.437 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

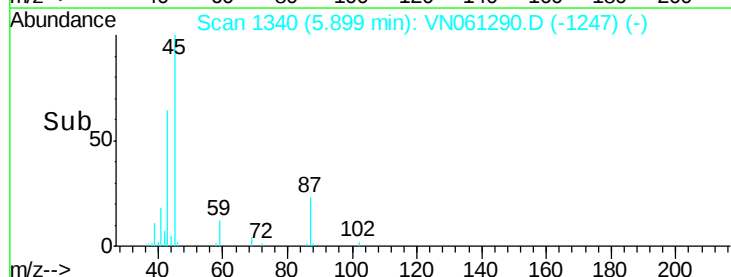
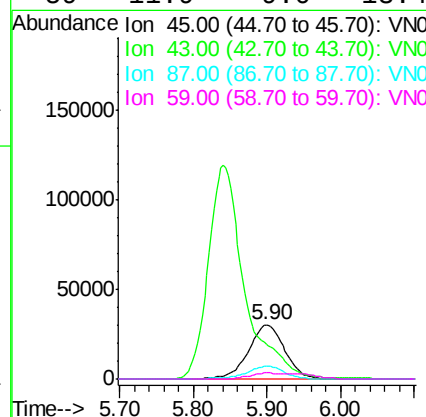
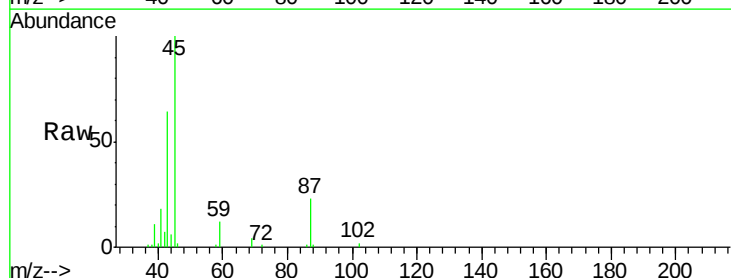
Instrument :
MSVOA_N
ClientSampled :

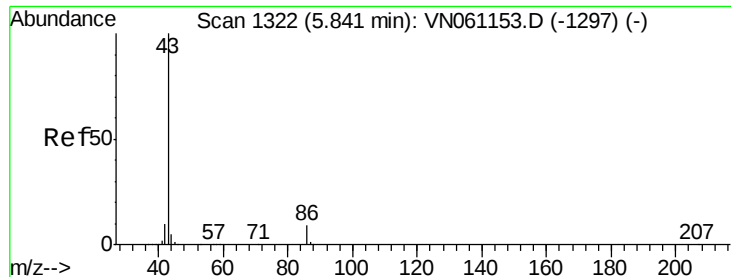
Tot Ion: 96 Resp: 25141
Ion Ratio Lower Upper
96 100
61 148.9 123.0 184.4
98 64.6 50.1 75.1



#22
Diisopropyl ether
Concen: 20.199 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Tgt Ion: 45 Resp: 103164
Ion Ratio Lower Upper
45 100
43 62.4 47.9 71.9
87 23.4 19.2 28.8
59 11.9 9.0 13.4





#23

Vinyl Acetate

Concen: 99.240 ug/l

RT: 5.84 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

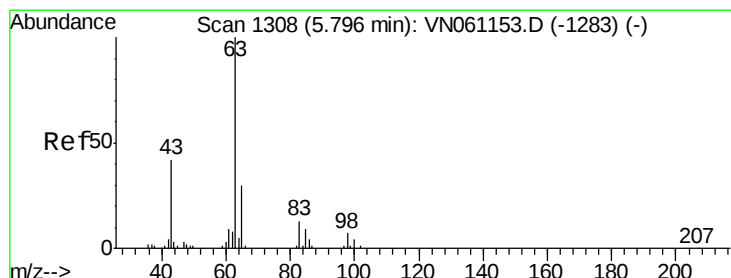
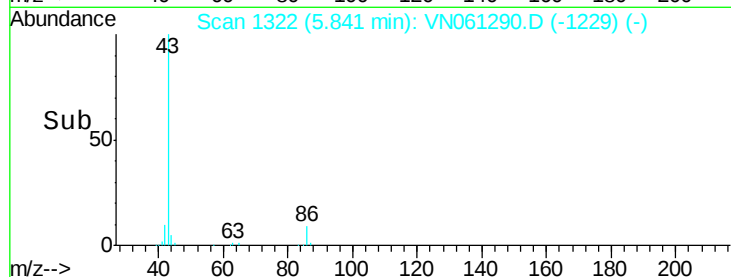
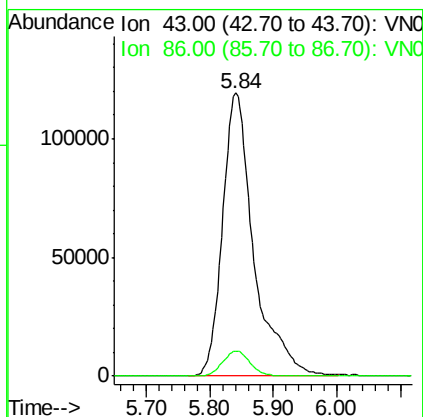
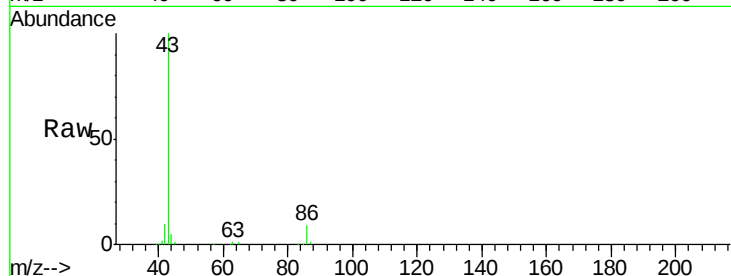
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 408100

Ion Ratio Lower Upper

43 100

86 9.0 7.2 10.8



#24

1,1-Dichloroethane

Concen: 19.768 ug/l

RT: 5.80 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

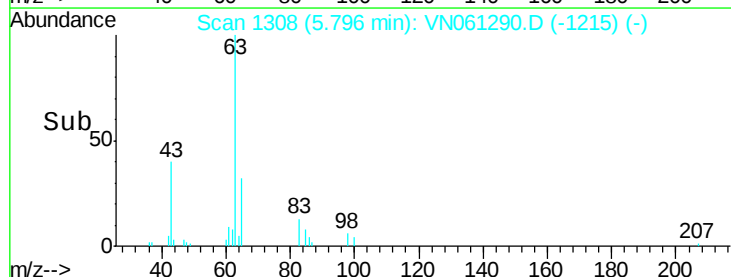
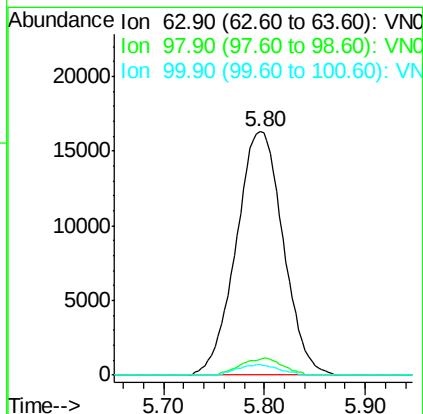
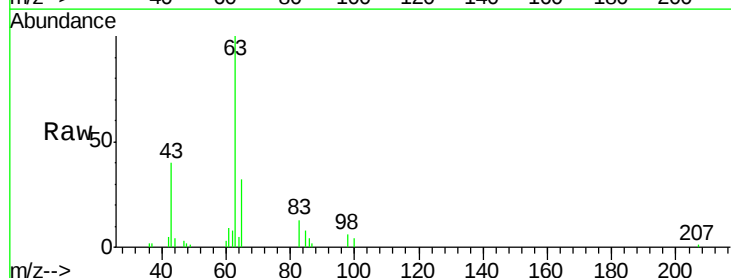
Tgt Ion: 63 Resp: 52751

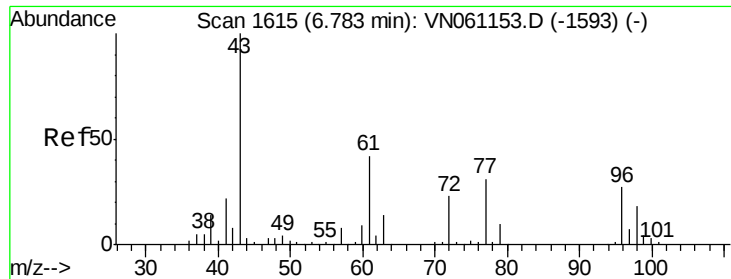
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 4.2 1.9 5.7





#25

2-Butanone

Concen: 93.117 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

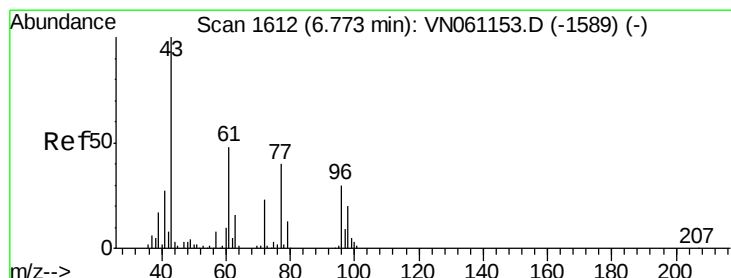
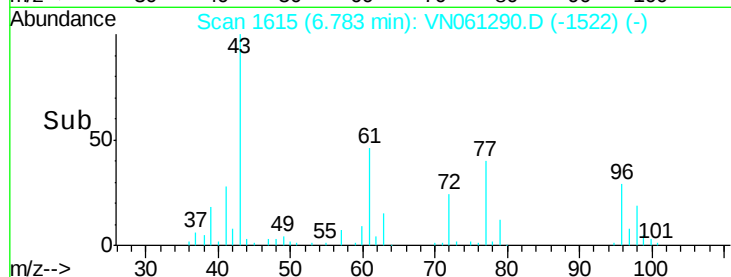
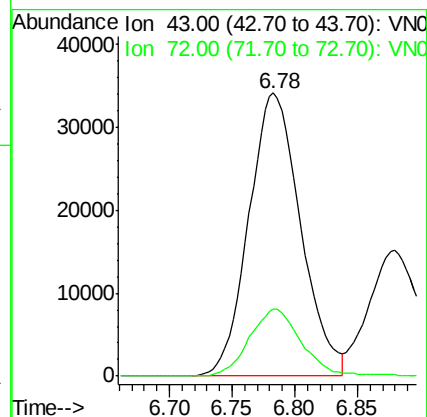
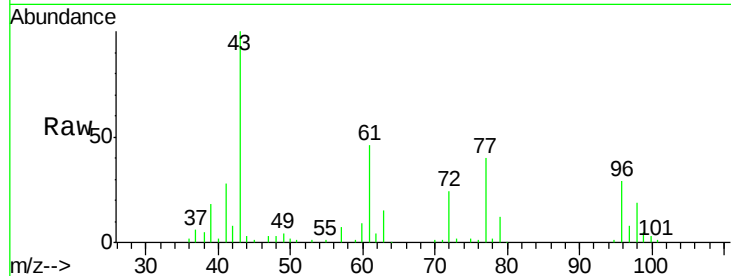
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 98154

Ion Ratio Lower Upper

43 100

72 23.8 18.2 27.4



#26

2,2-Dichloropropane

Concen: 21.108 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VN061290.D

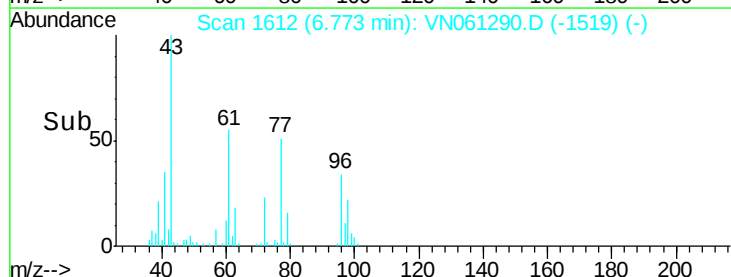
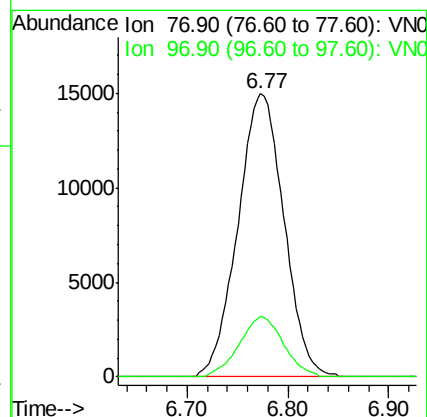
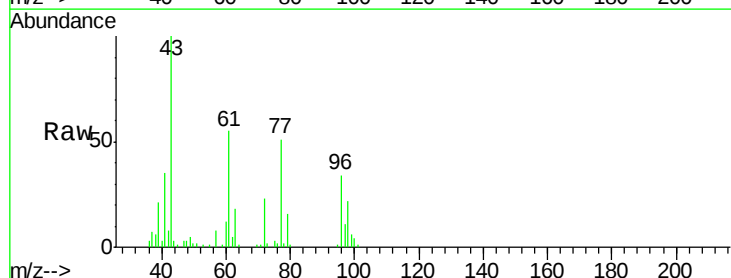
Acq: 5 May 2020 14:32

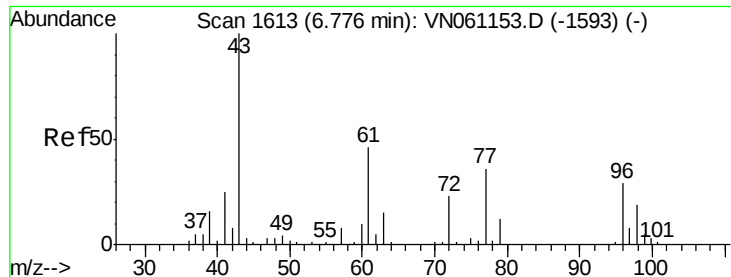
Tgt Ion: 77 Resp: 47443

Ion Ratio Lower Upper

77 100

97 20.5 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 19.560 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

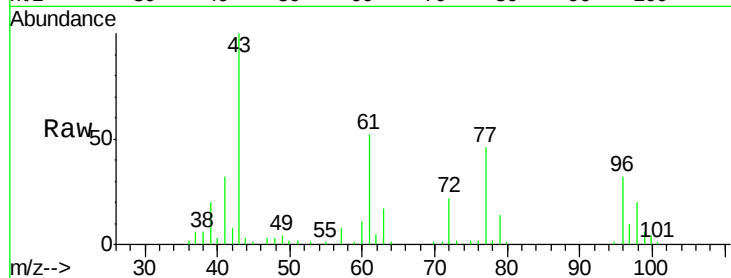
Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 29689

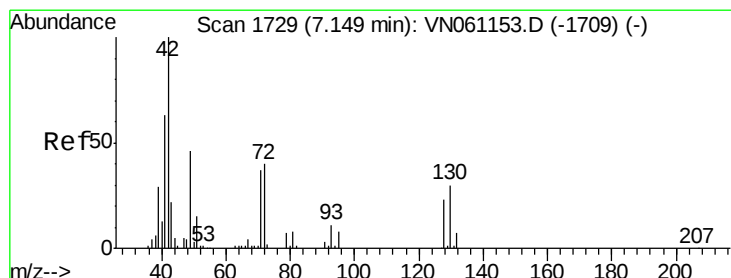
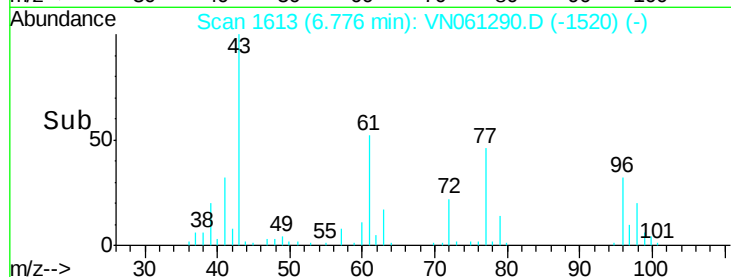
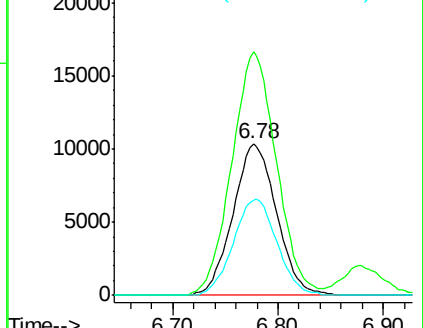
Ion	Ratio	Lower	Upper
96	100		
61	164.6	0.0	322.0
98	63.6	0.0	129.6



Abundance Ion 95.90 (95.60 to 96.60): VN061290.D (-1520) (-)

Ion 60.90 (60.60 to 61.60): VN061290.D (-1520) (-)

Ion 97.90 (97.60 to 98.60): VN061290.D (-1520) (-)



#28

Bromochloromethane

Concen: 19.948 ug/l

RT: 7.15 min Scan# 1729

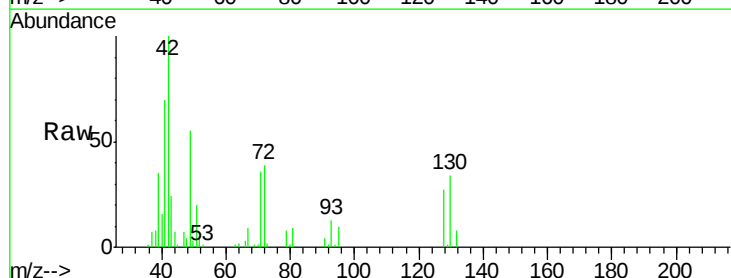
Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Tgt Ion: 49 Resp: 25230

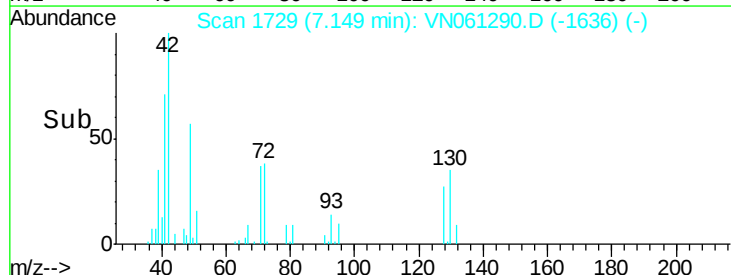
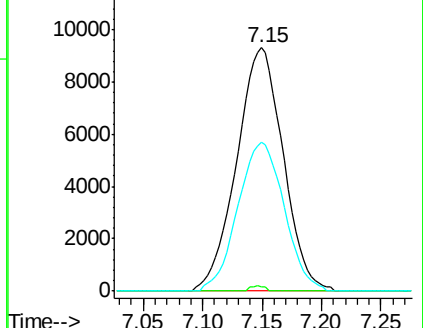
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.0
130	60.8	51.4	77.2

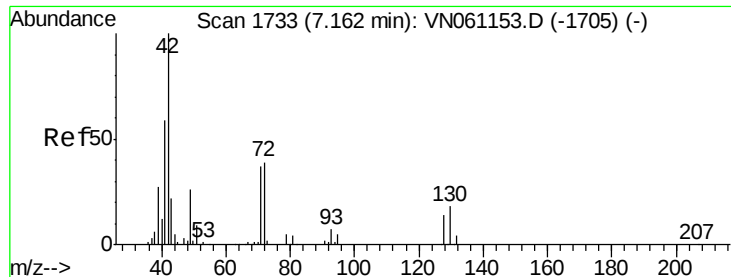


Abundance Ion 48.90 (48.60 to 49.60): VN061290.D (-1636) (-)

Ion 128.80 (128.50 to 129.50): VN061290.D (-1636) (-)

Ion 129.80 (129.50 to 130.50): VN061290.D (-1636) (-)

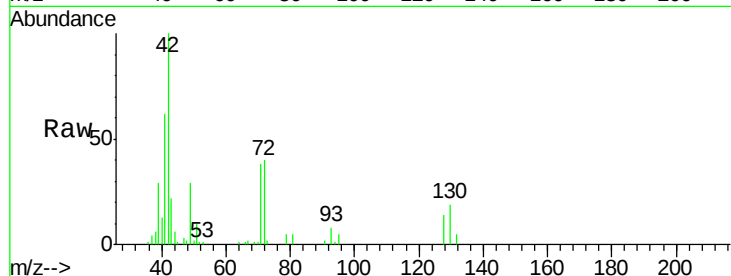




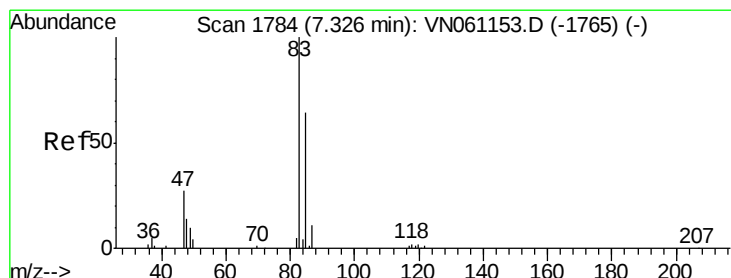
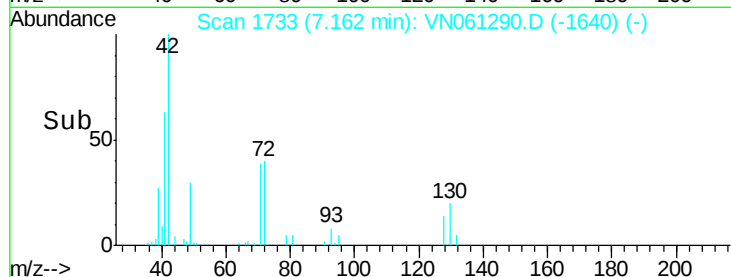
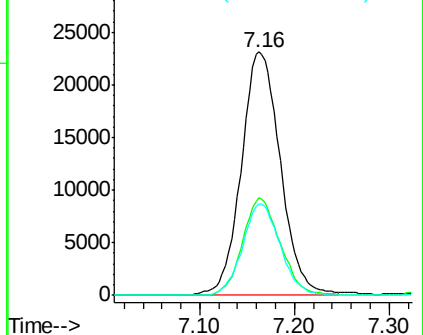
#29
Tetrahydrofuran
Concen: 93.697 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 66531
Ion Ratio Lower Upper
42 100
72 38.4 31.4 47.0
71 36.0 29.5 44.3

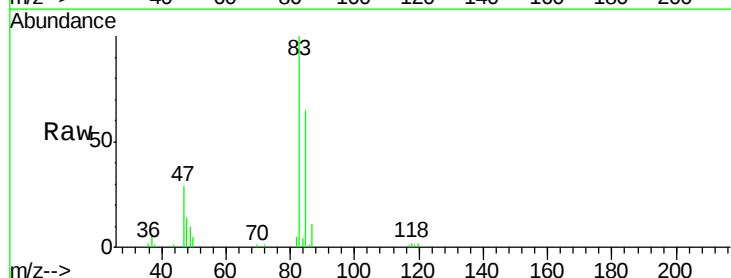


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

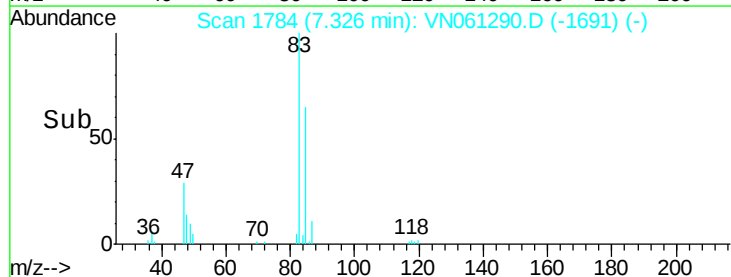
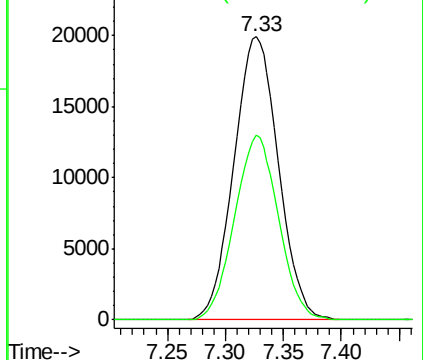


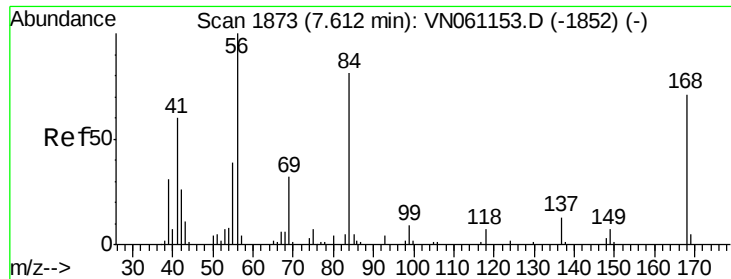
#30
Chloroform
Concen: 19.639 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Tgt Ion: 83 Resp: 53108
Ion Ratio Lower Upper
83 100
85 65.3 51.1 76.7



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

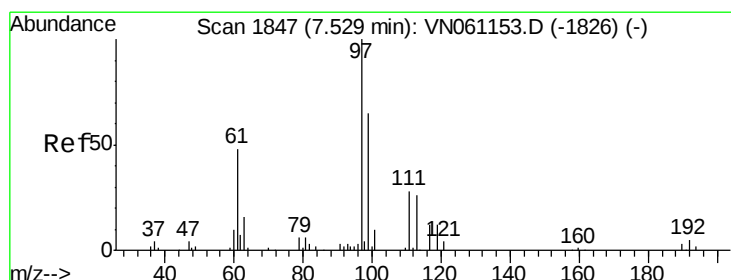
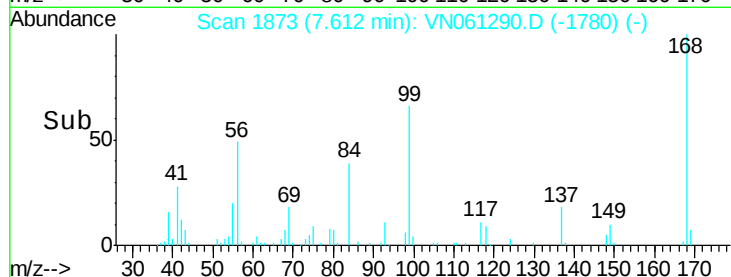
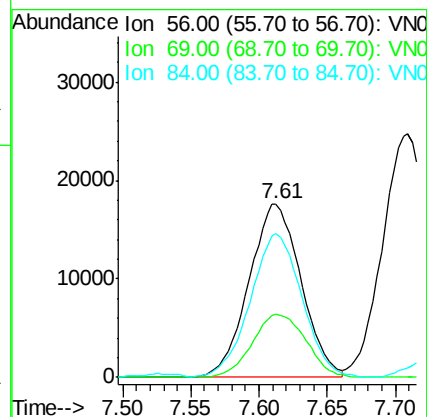
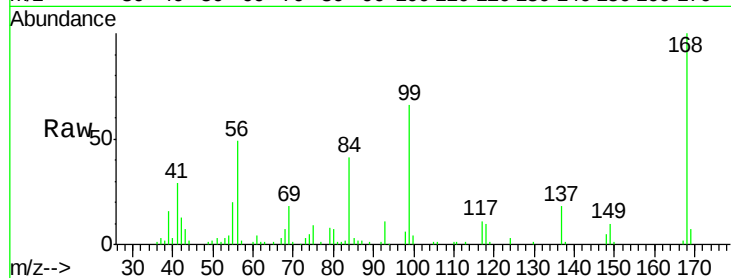




#31
Cyclohexane
Concen: 18.003 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

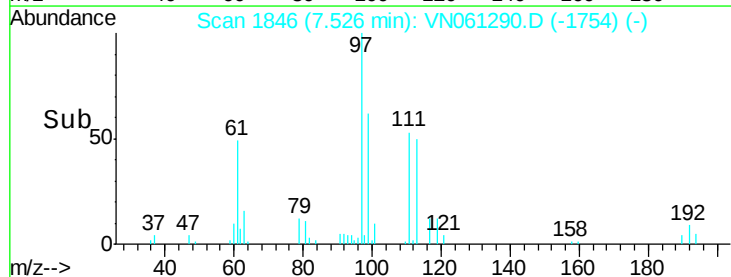
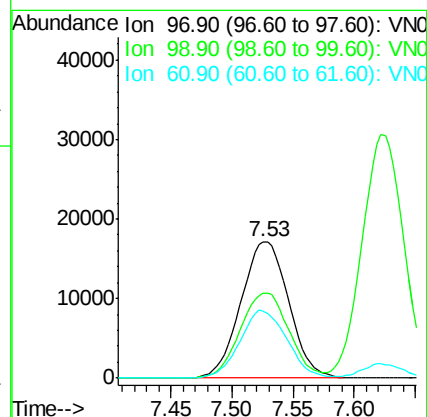
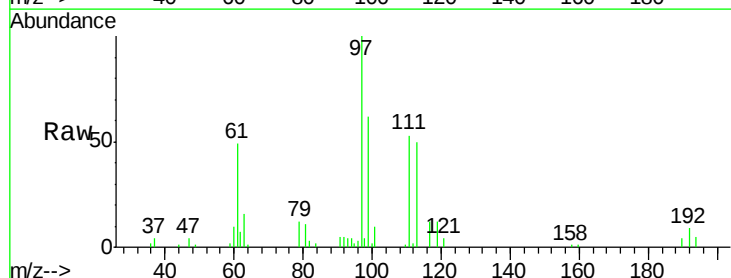
Instrument :
MSVOA_N
ClientSampleId :

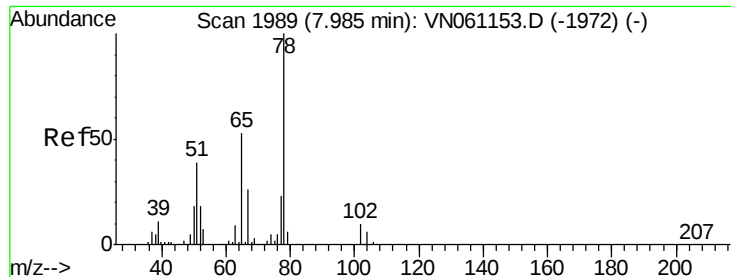
Tot Ion: 56 Resp: 46655
Ion Ratio Lower Upper
56 100
69 36.1 25.7 38.5
84 82.5 64.6 97.0



#32
1,1,1-Trichloroethane
Concen: 19.708 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Tgt Ion: 97 Resp: 46408
Ion Ratio Lower Upper
97 100
99 63.8 51.3 76.9
61 48.8 38.6 57.8





#33

1,2-Dichloroethane-d4

Concen: 47.508 ug/l

RT: 7.99 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

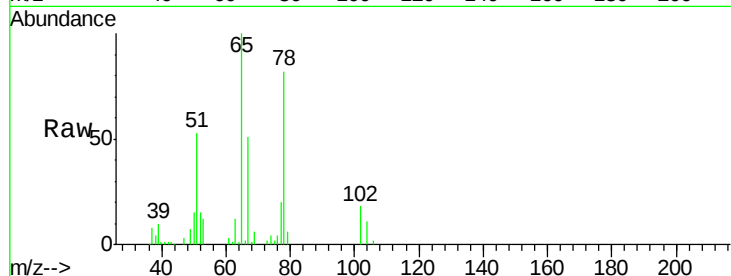
ClientSampleId :

Tot Ion: 65 Resp: 84629

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.6

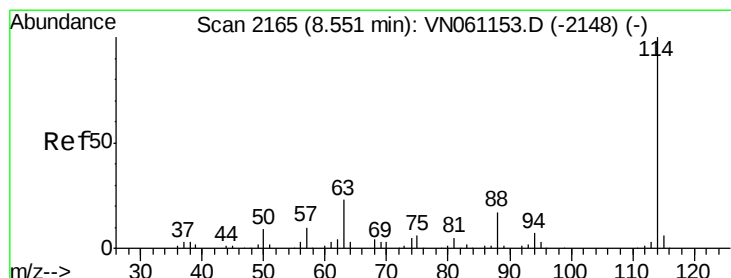
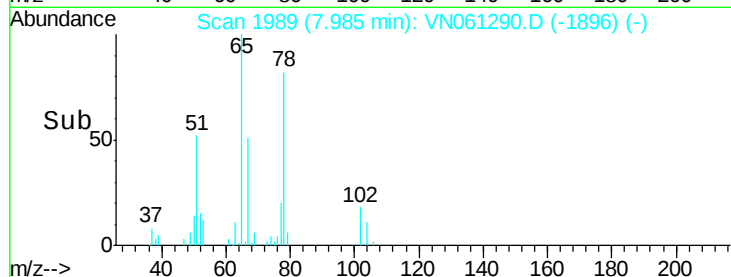


Abundance Ion 64.90 (64.60 to 65.60): VN061290.D (-1896) (-)

Ion 66.90 (66.60 to 67.60): VN061290.D (-1896) (-)

7.99

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

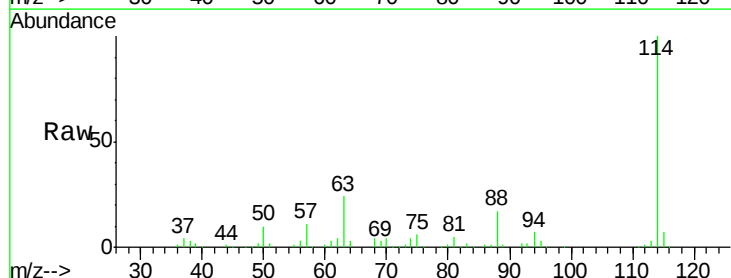
Tgt Ion: 114 Resp: 196670

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.6

88 16.6 0.0 33.4



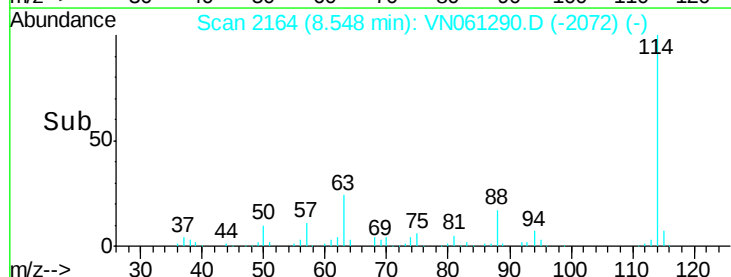
Abundance Ion 113.90 (113.60 to 114.60): VN061290.D (-2072) (-)

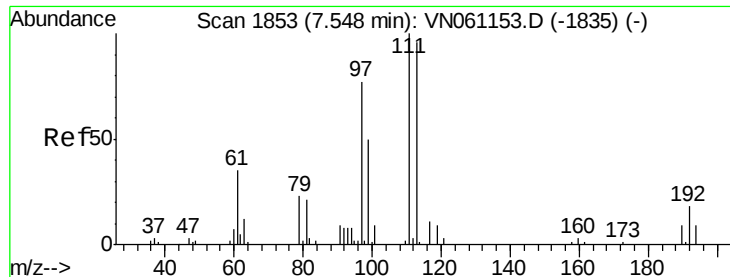
Ion 63.00 (62.70 to 63.70): VN061290.D (-2072) (-)

Ion 87.90 (87.60 to 88.60): VN061290.D (-2072) (-)

8.55

Time-->

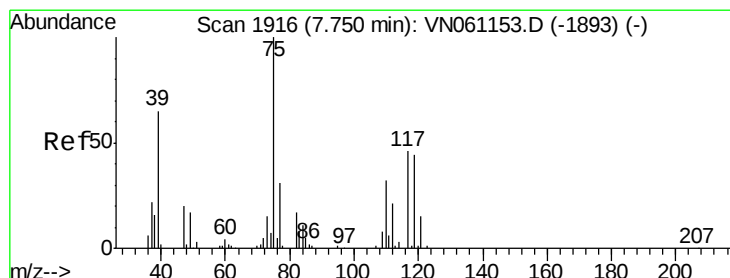
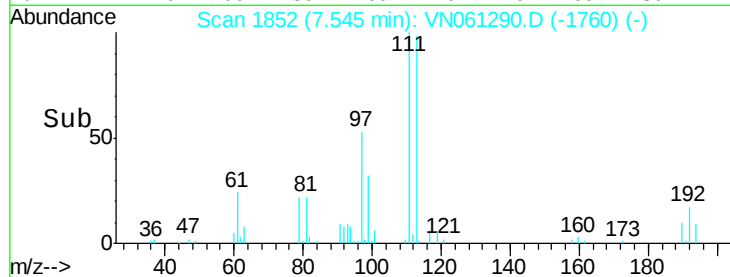
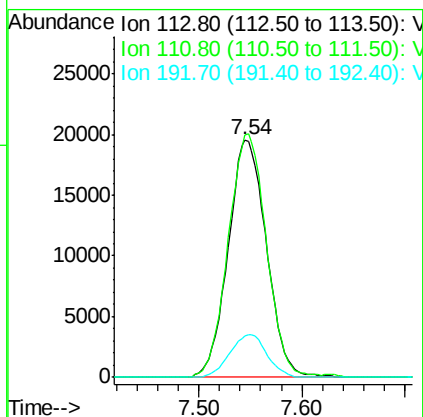
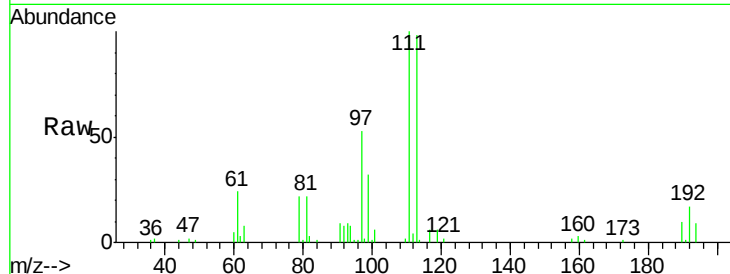




#35
 Dibromofluoromethane
 Concen: 43.361 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

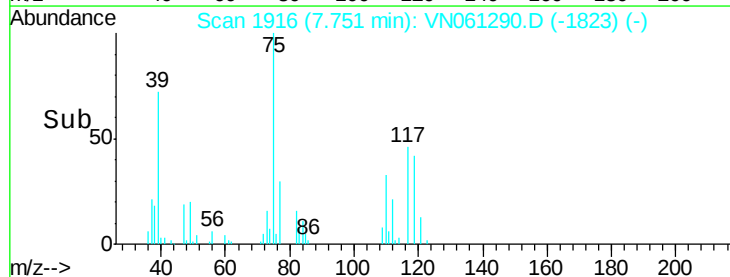
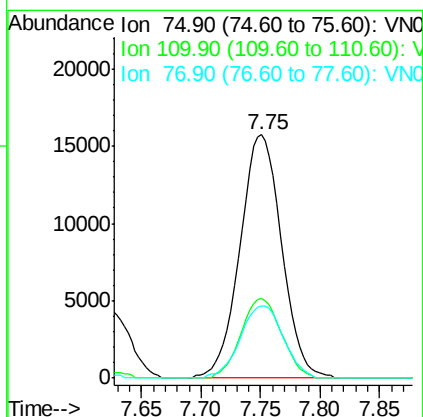
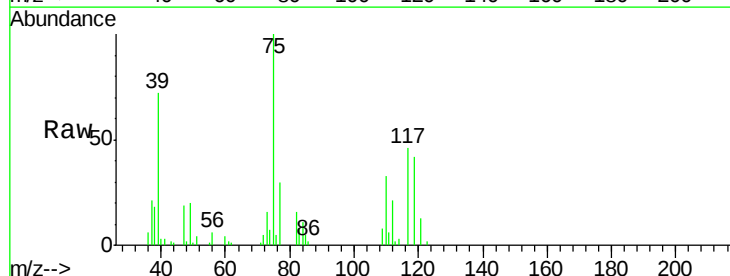
Instrument :
 MSVOA_N
 ClientSampleId :

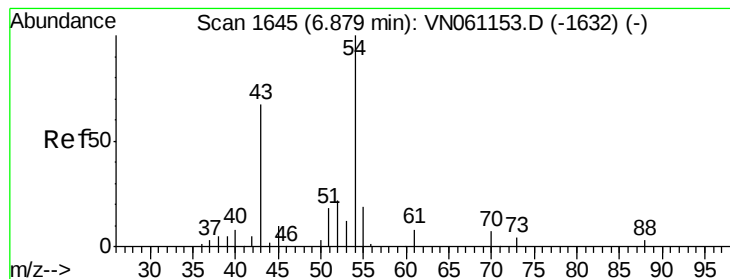
Tot Ion:113 Resp: 50427
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.9 124.3
 192 17.5 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 19.406 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

Tgt Ion: 75 Resp: 38206
 Ion Ratio Lower Upper
 75 100
 110 31.8 16.0 48.0
 77 30.8 24.6 37.0





#37

Ethyl Acetate

Concen: 19.063 ug/l

RT: 6.88 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :
MSVOA_N
ClientSampled :

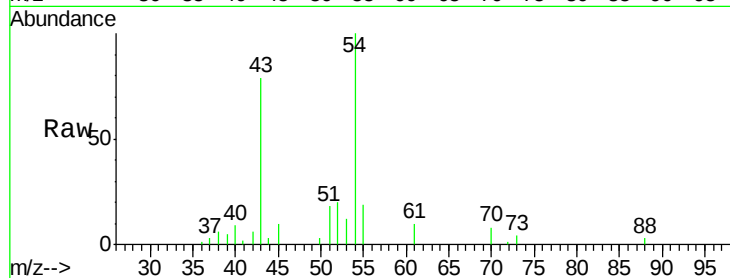
Tot Ion: 43 Resp: 43998

Ion Ratio Lower Upper

43 100

61 12.9 10.2 15.2

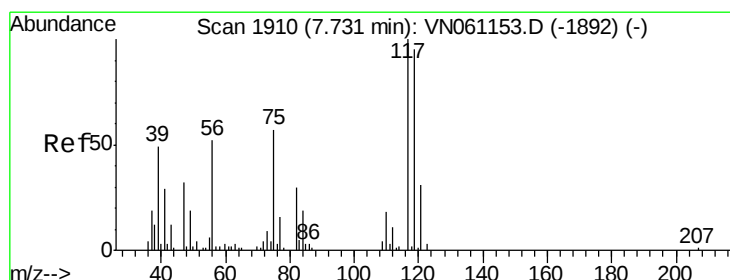
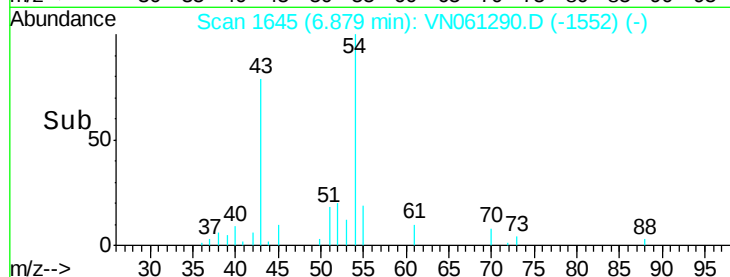
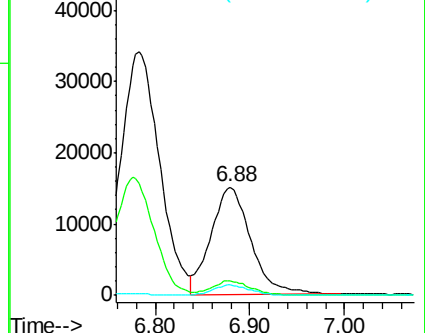
70 8.7 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1632) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-1632) (-)

Ion 70.00 (69.70 to 70.70): VN061153.D (-1632) (-)



#38

Carbon Tetrachloride

Concen: 20.293 ug/l

RT: 7.73 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

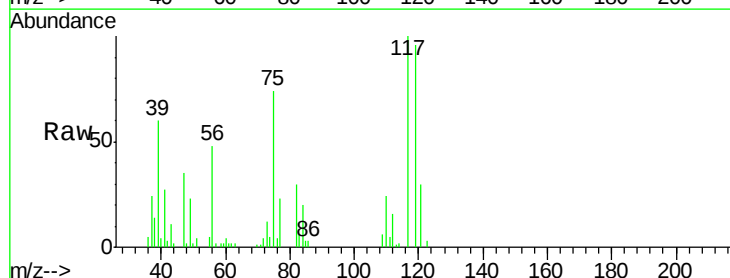
Tgt Ion: 117 Resp: 33894

Ion Ratio Lower Upper

117 100

119 95.5 75.8 113.6

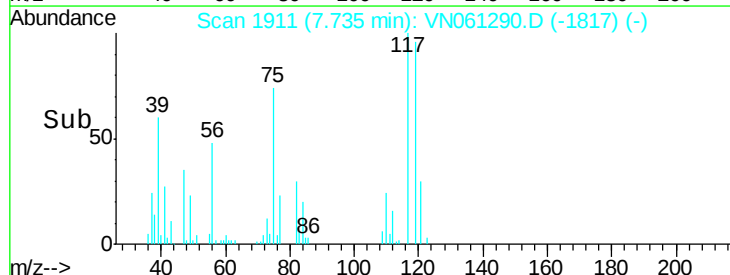
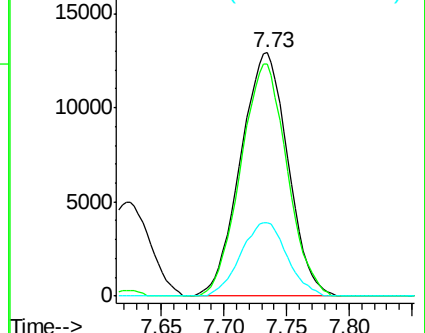
121 30.3 24.7 37.1

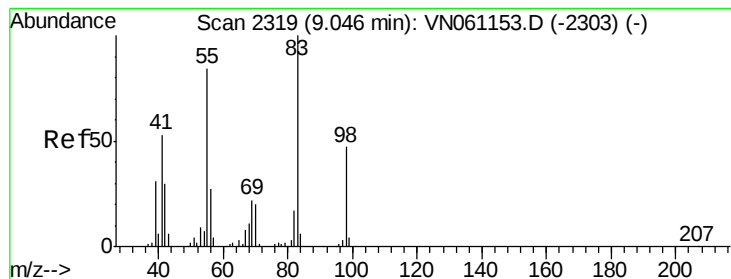


Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-1892) (-)

Ion 118.80 (118.50 to 119.50): VN061153.D (-1892) (-)

Ion 120.80 (120.50 to 121.50): VN061153.D (-1892) (-)





#39

Methvlcvclohexane

Concen: 17.633 ug/l

RT: 9.05 min Scan# 2319

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

ClientSampled :

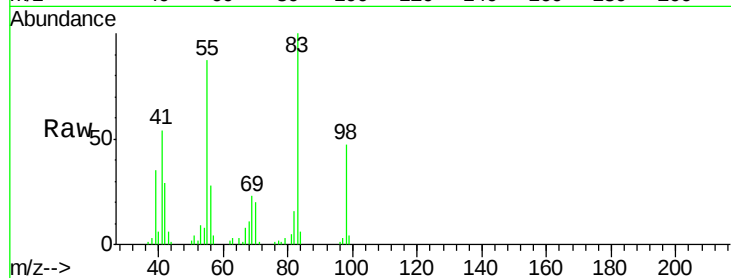
Tot Ion: 83 Resp: 38931

Ion Ratio Lower Upper

83 100

55 86.6 67.3 100.9

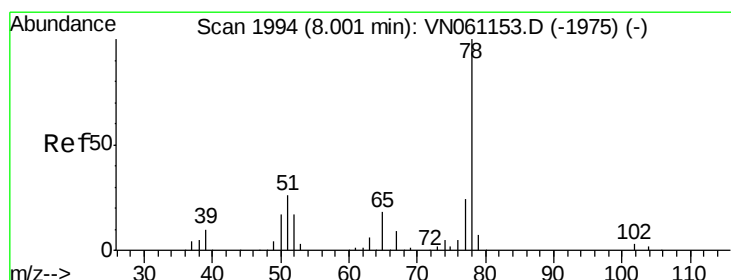
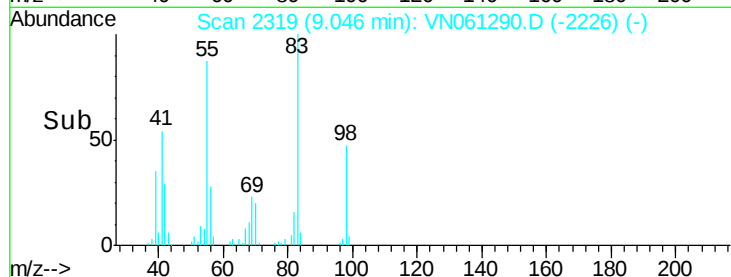
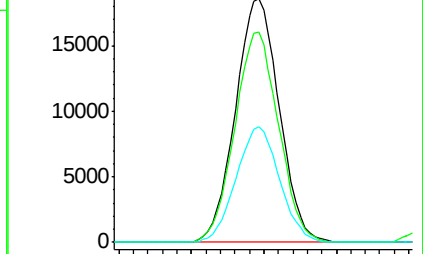
98 47.3 37.7 56.5



Abundance Ion 83.00 (82.70 to 83.70): VN061290.D (-2226) (-)

Ion 55.00 (54.70 to 55.70): VN061290.D (-2226) (-)

Ion 98.00 (97.70 to 98.70): VN061290.D (-2226) (-)



#40

Benzene

Concen: 19.398 ug/l

RT: 8.00 min Scan# 1994

Delta R.T. 0.00 min

Lab File: VN061290.D

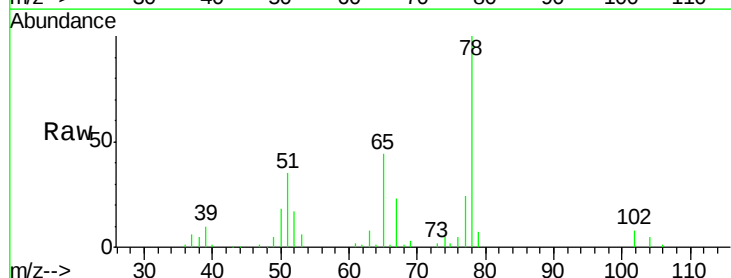
Acq: 5 May 2020 14:32

Tgt Ion: 78 Resp: 113775

Ion Ratio Lower Upper

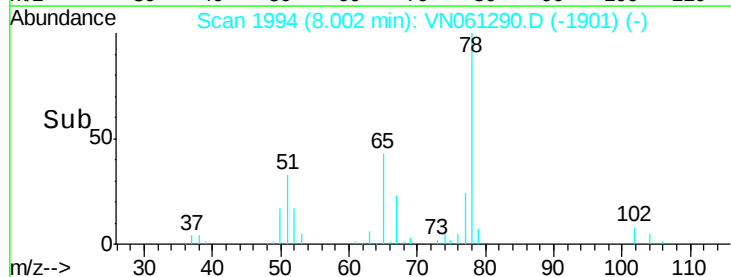
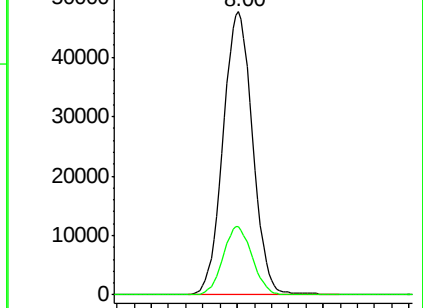
78 100

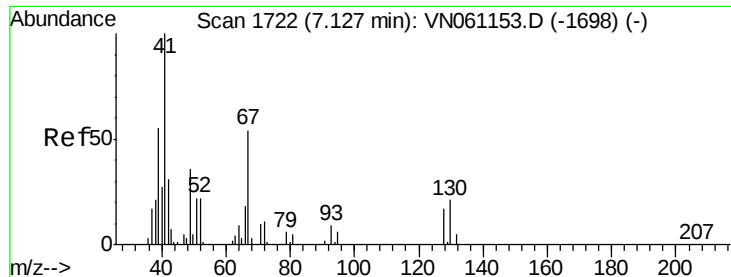
77 24.1 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN061290.D (-1901) (-)

Ion 77.00 (76.70 to 77.70): VN061290.D (-1901) (-)

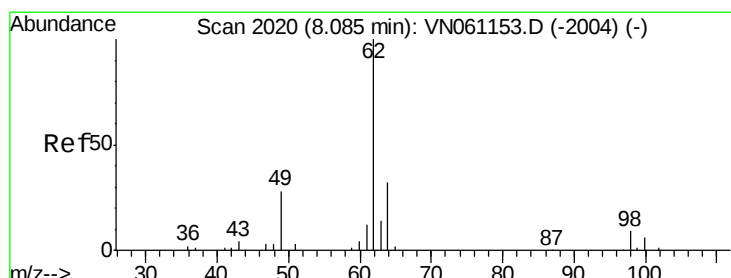
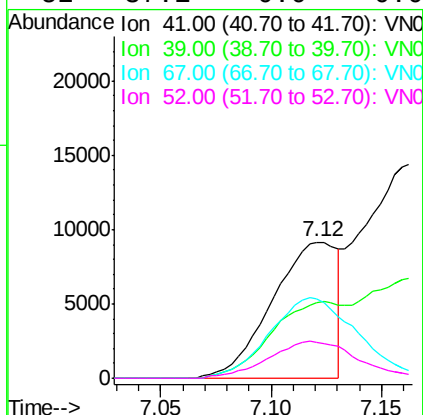
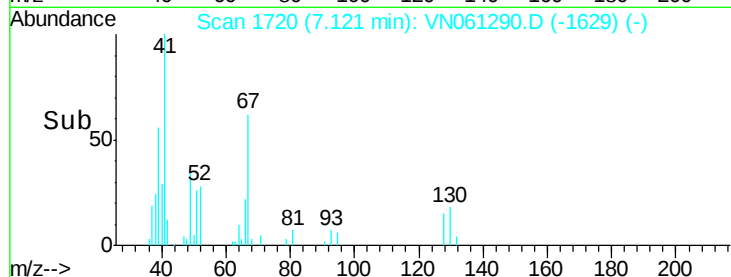
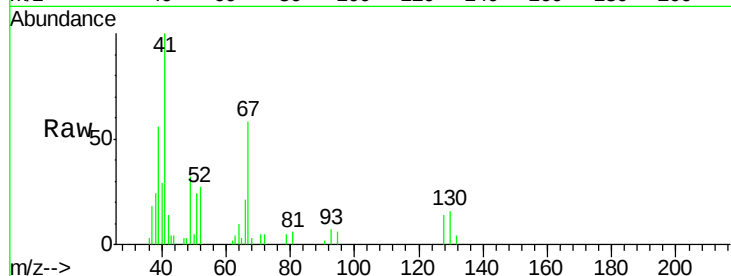




#41
Methacrylonitrile
Concen: 19.533 ug/l
RT: 7.12 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

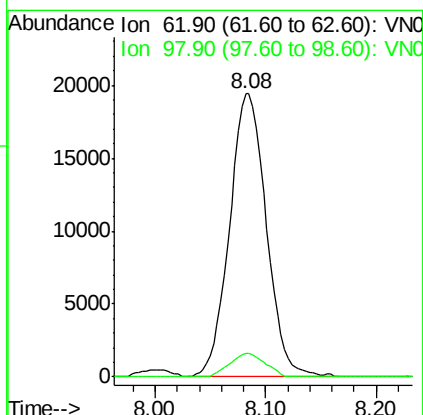
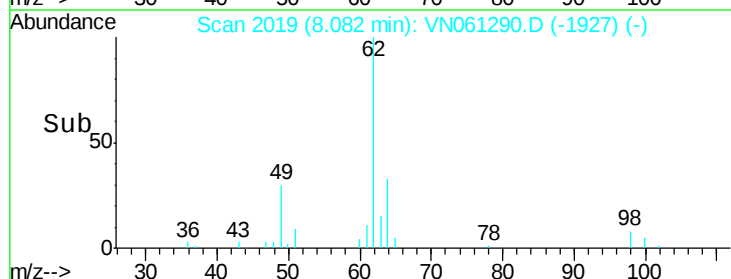
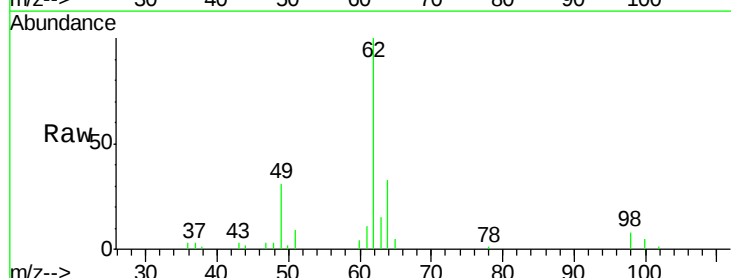
Instrument :
MSVOA_N
ClientSampled :

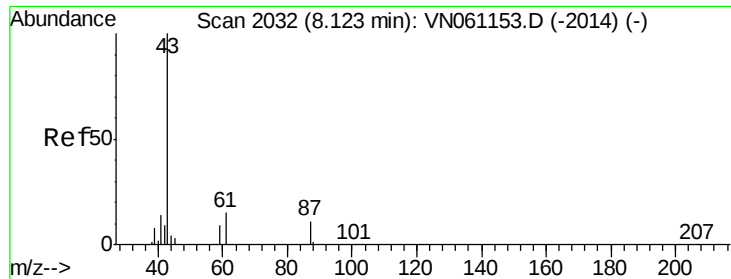
Tot Ion:	41	Resp:	18718
Ion	Ratio	Lower	Upper
41	100		
39	62.2	0.0	0.0#
67	80.5	0.0	0.0#
52	37.1	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 20.193 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Tgt Ion:	62	Resp:	44870
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.8





#43

Isopropyl Acetate

Concen: 19.188 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

ClientSampleId :

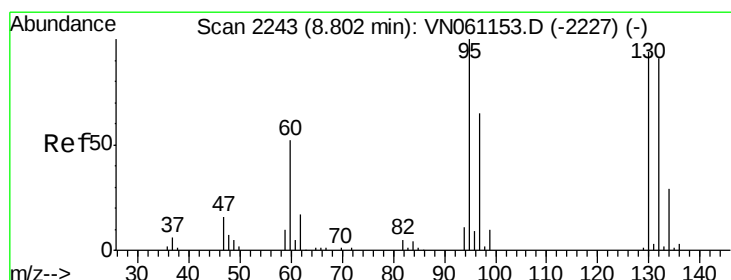
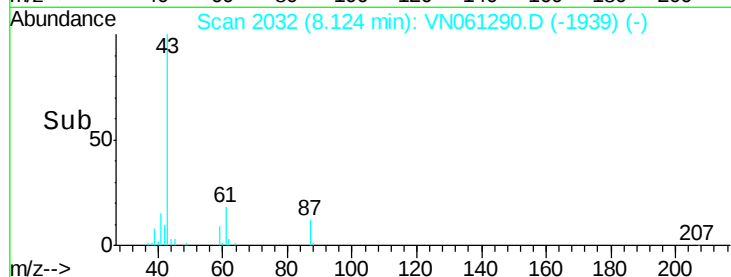
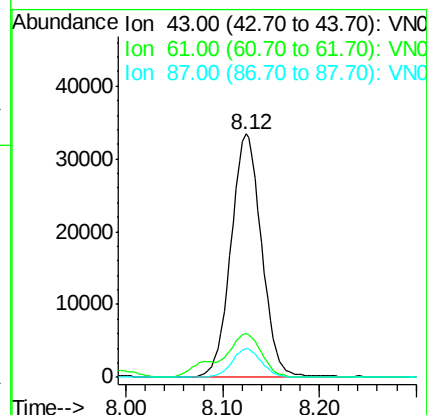
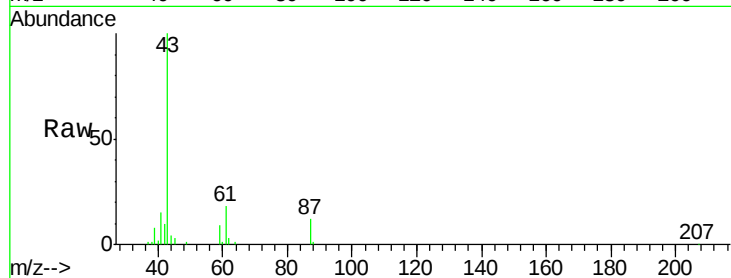
Tot Ion: 43 Resp: 73498

Ion Ratio Lower Upper

43 100

61 18.7 19.5 29.3#

87 11.2 8.9 13.3



#44

Trichloroethene

Concen: 18.116 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061290.D

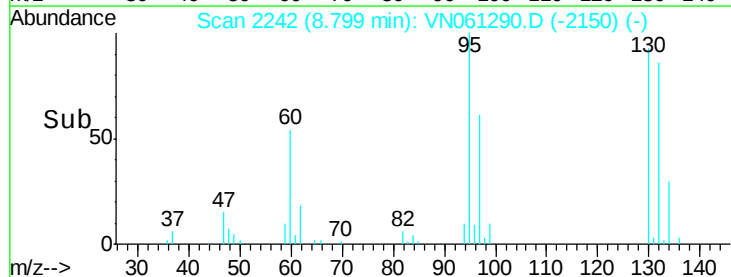
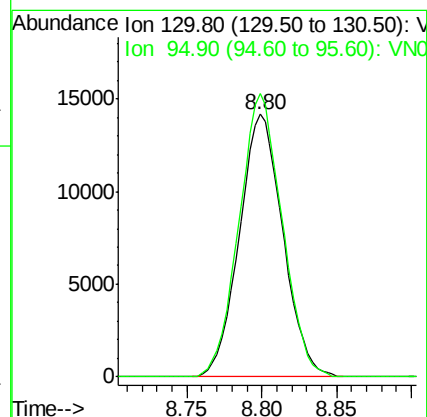
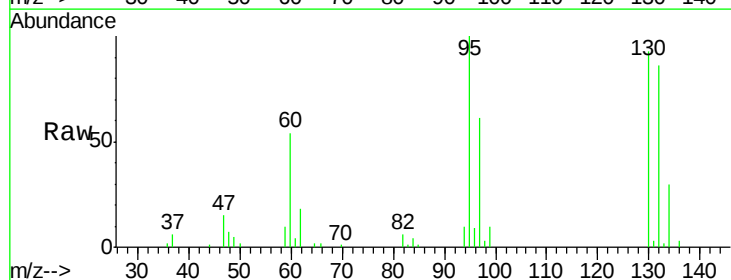
Acq: 5 May 2020 14:32

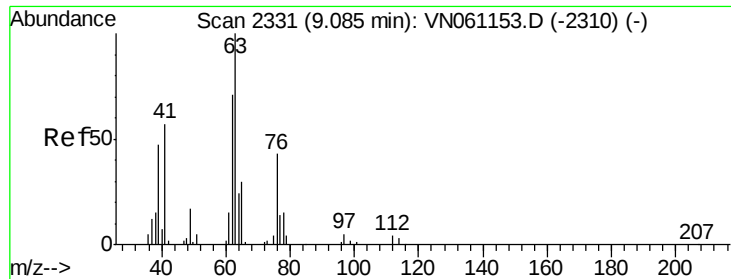
Tgt Ion:130 Resp: 28724

Ion Ratio Lower Upper

130 100

95 107.8 0.0 212.4





#45

1,2-Dichloropropane

Concen: 19.382 ug/l

RT: 9.09 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

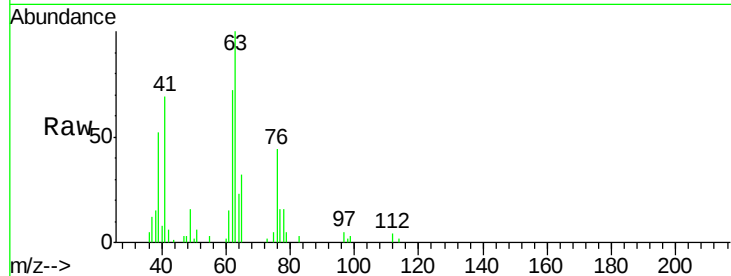
ClientSampleId :

Tot Ion: 63 Resp: 30372

Ion Ratio Lower Upper

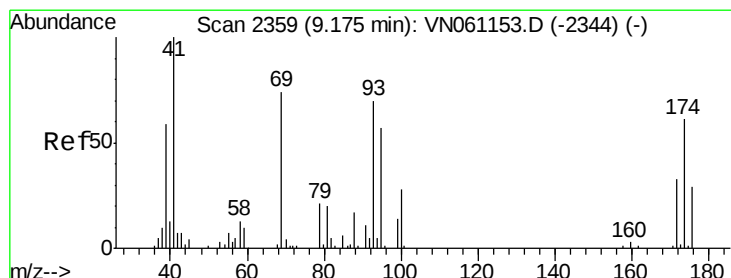
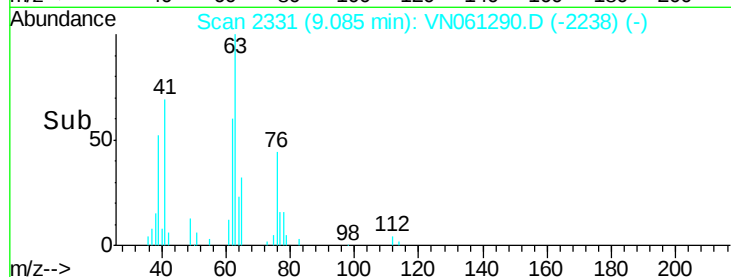
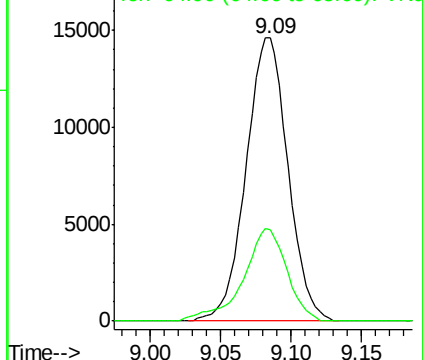
63 100

65 32.1 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061290.D (-2238) (-)

Ion 64.90 (64.60 to 65.60): VN061290.D (-2238) (-)



#46

Dibromomethane

Concen: 19.989 ug/l

RT: 9.18 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

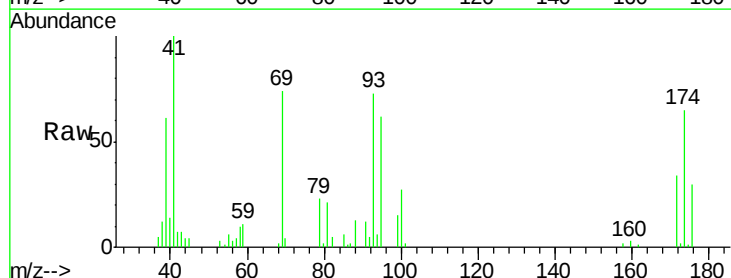
Tgt Ion: 93 Resp: 19394

Ion Ratio Lower Upper

93 100

95 81.0 66.6 99.8

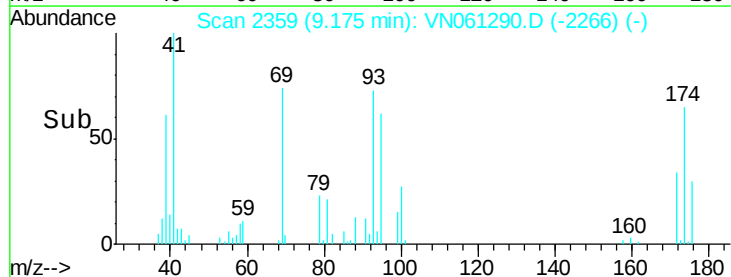
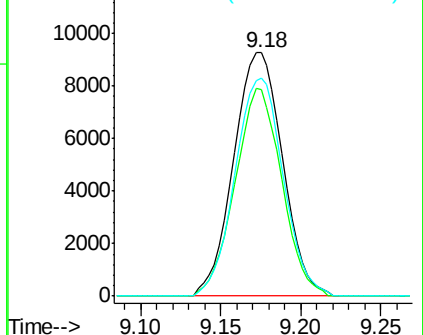
174 88.3 70.2 105.2

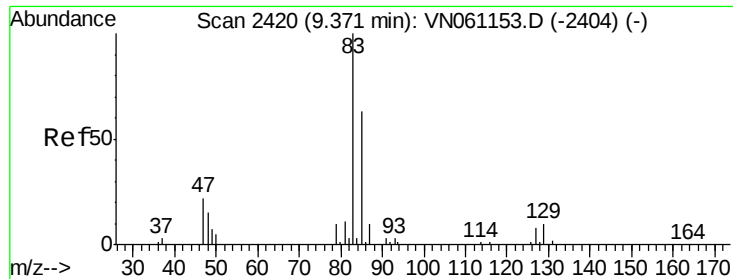


Abundance Ion 92.80 (92.50 to 93.50): VN061290.D (-2266) (-)

Ion 94.80 (94.50 to 95.50): VN061290.D (-2266) (-)

Ion 173.70 (173.40 to 174.40): VN061290.D (-2266) (-)





#47

Bromodichloromethane

Concen: 20.069 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :
MSVOA_N
ClientSampled :

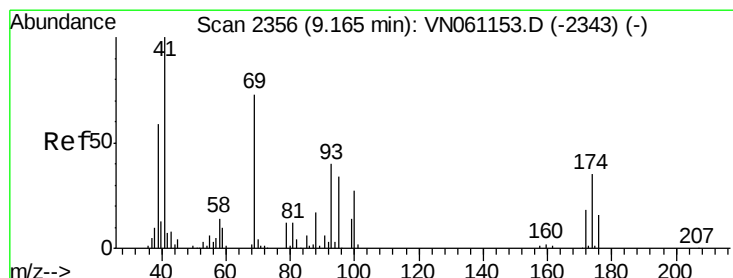
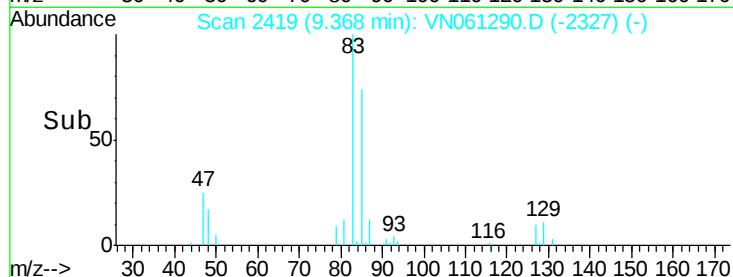
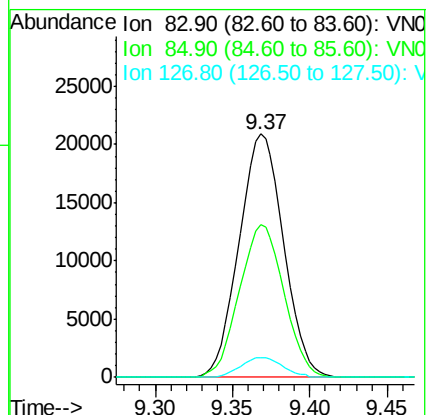
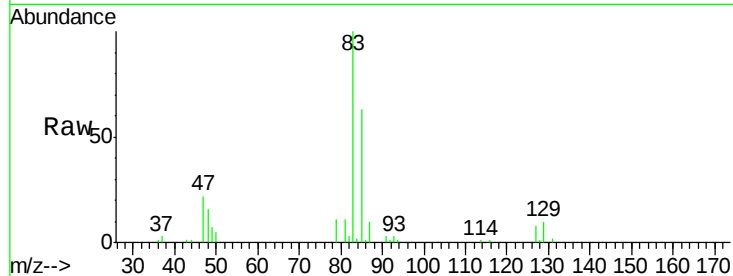
Tot Ion: 83 Resp: 41794

Ion Ratio Lower Upper

83 100

85 62.9 50.4 75.6

127 8.2 6.2 9.2



#48

Methyl methacrylate

Concen: 18.934 ug/l

RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

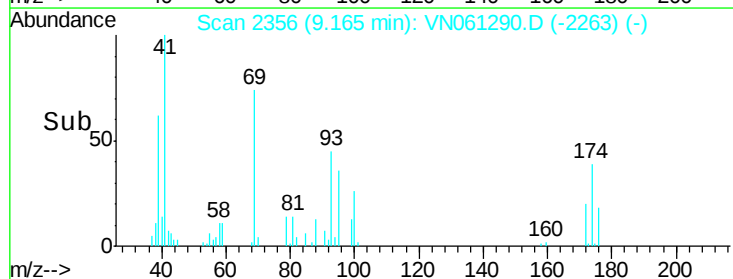
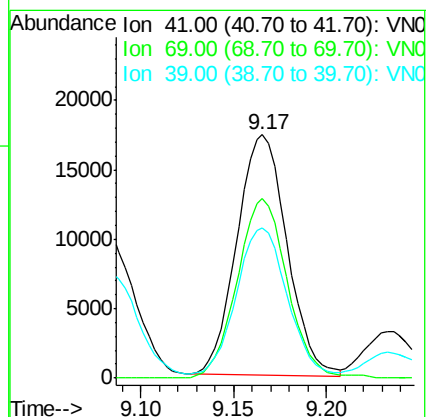
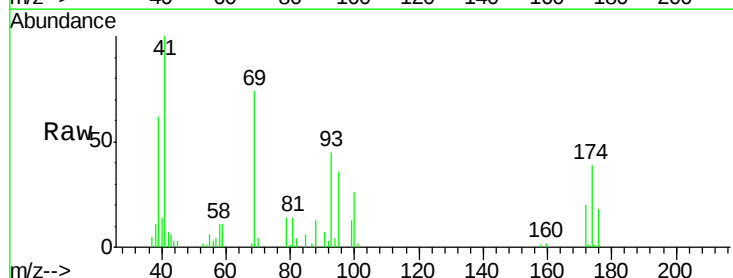
Tgt Ion: 41 Resp: 32727

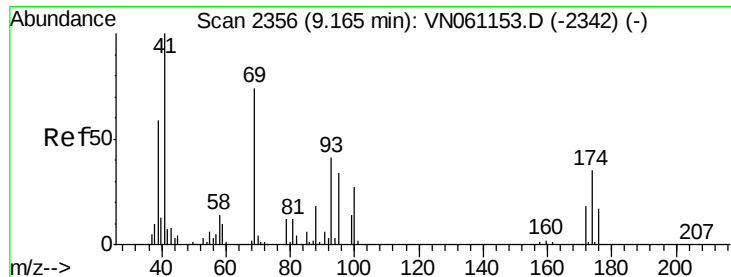
Ion Ratio Lower Upper

41 100

69 74.1 60.3 90.5

39 64.3 47.4 71.0

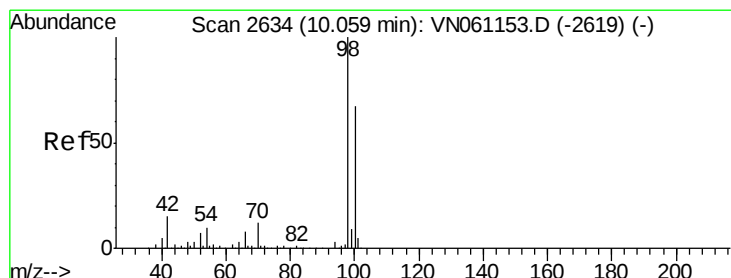
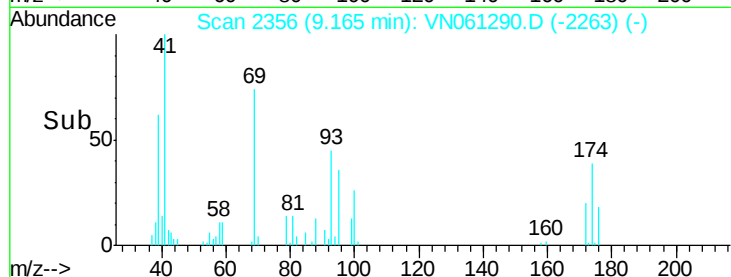
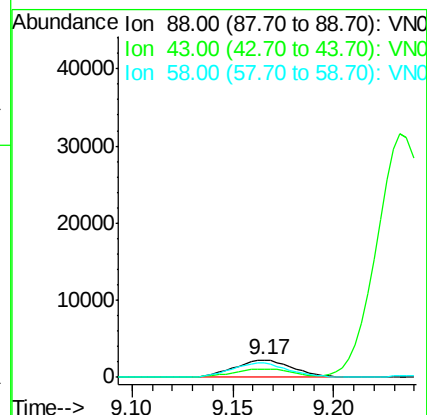
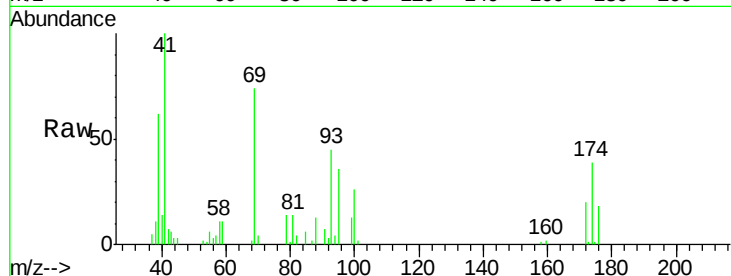




#49
1,4-Dioxane
Concen: 230.268 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

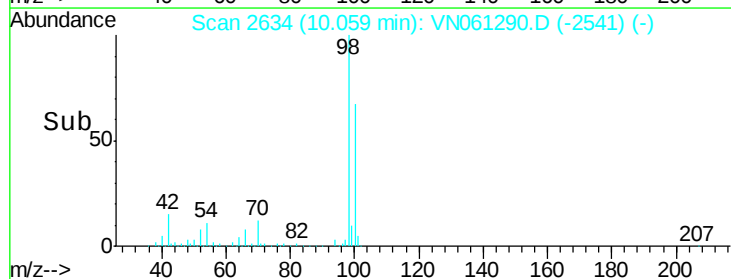
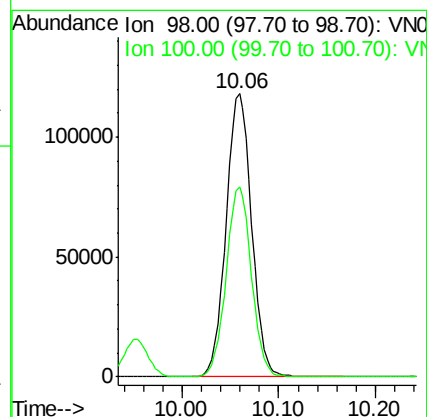
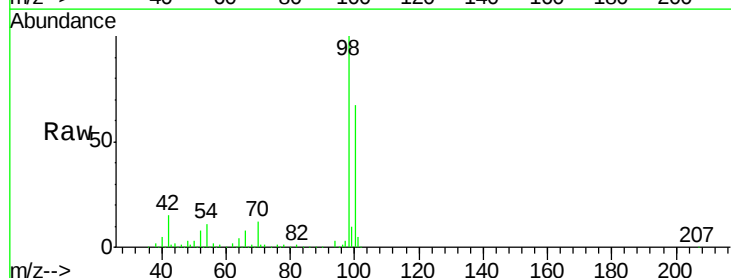
Instrument :
MSVOA_N
ClientSampleId :

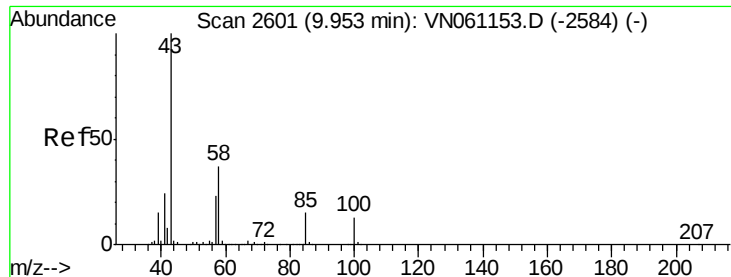
Tot Ion: 88 Resp: 4518
Ion Ratio Lower Upper
88 100
43 50.2 35.3 52.9
58 80.0 61.5 92.3



#50
Toluene-d8
Concen: 45.700 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Tgt Ion: 98 Resp: 216656
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0

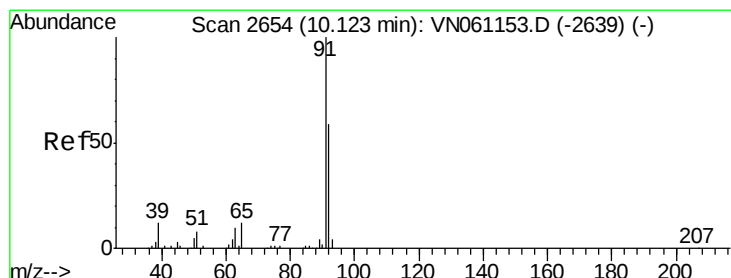
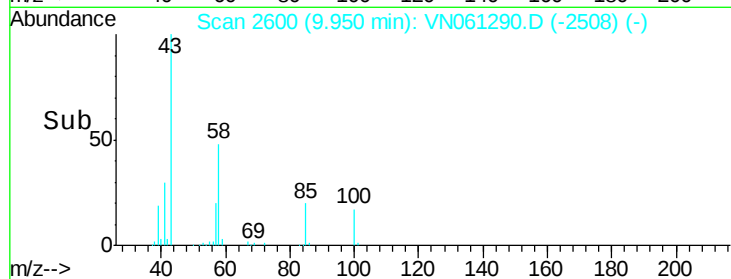
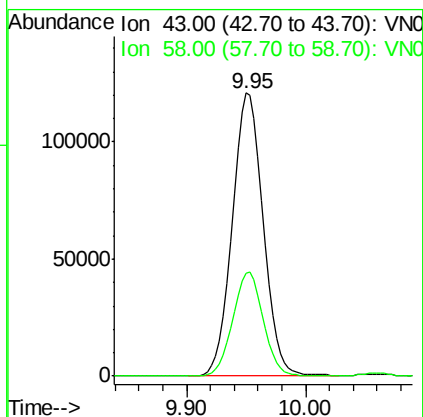
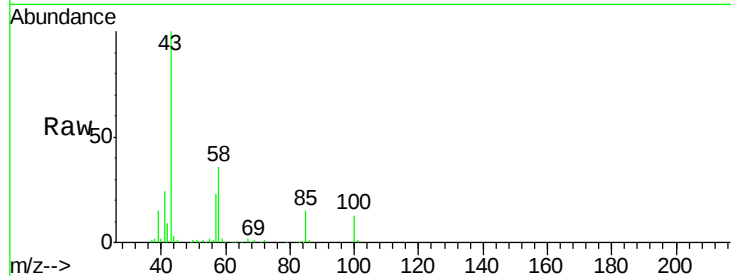




#51
 4-Methyl-2-Pentanone
 Concen: 96.591 ug/l
 RT: 9.95 min Scan# 2600
 Delta R.T. -0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

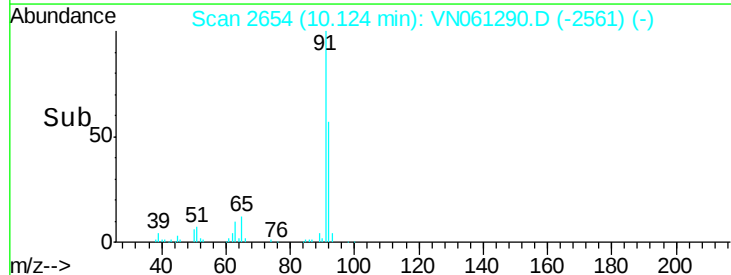
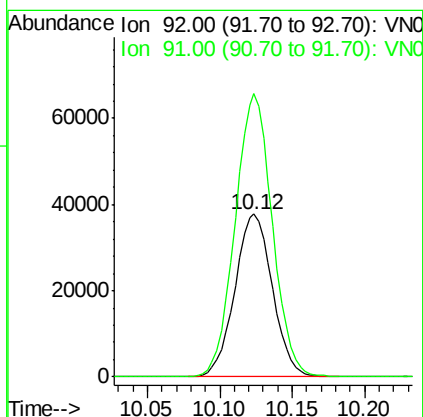
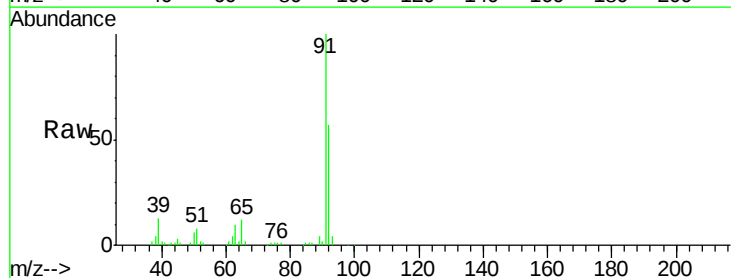
Instrument :
 MSVOA_N
 ClientSampled :

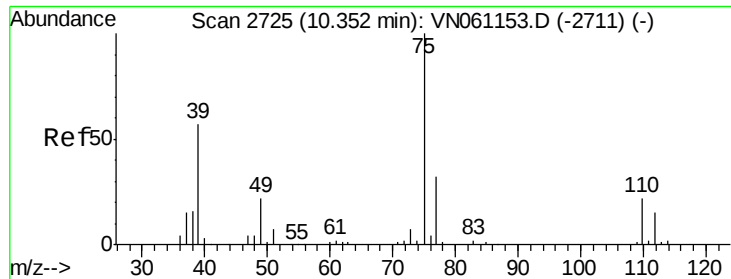
Tot Ion: 43 Resp: 217780
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.1 43.7



#52
 Toluene
 Concen: 19.183 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

Tgt Ion: 92 Resp: 67771
 Ion Ratio Lower Upper
 92 100
 91 172.6 136.2 204.2

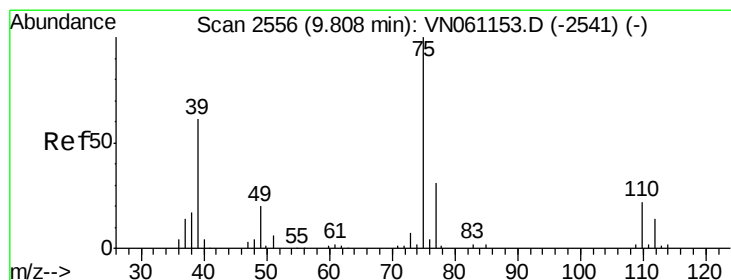
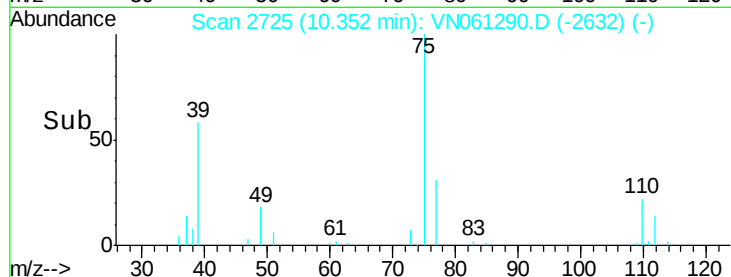
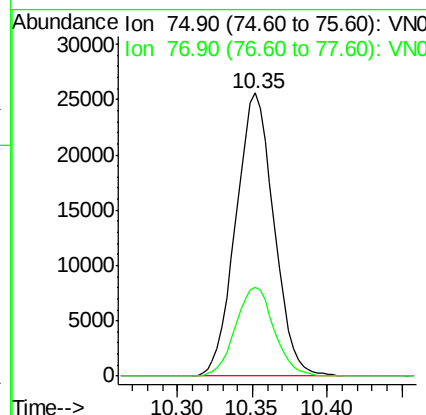
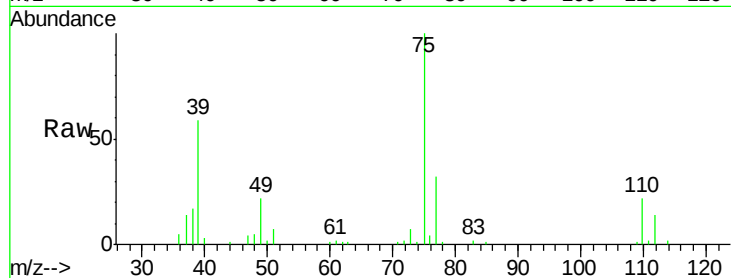




#53
t-1,3-Dichloropropene
Concen: 19.340 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

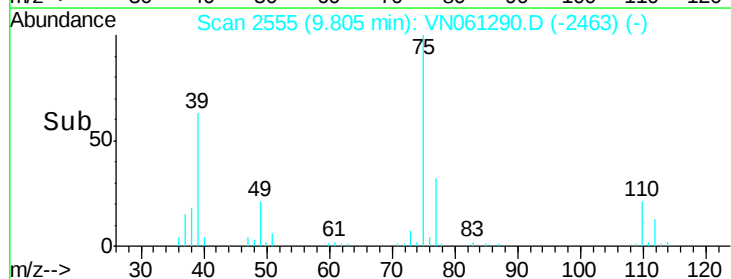
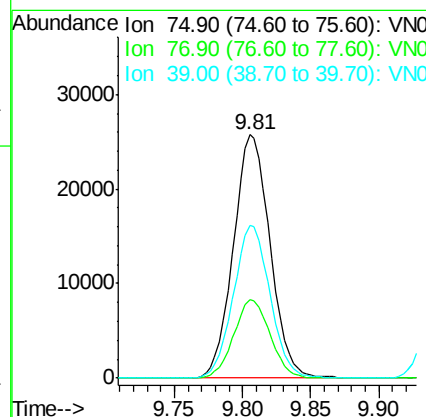
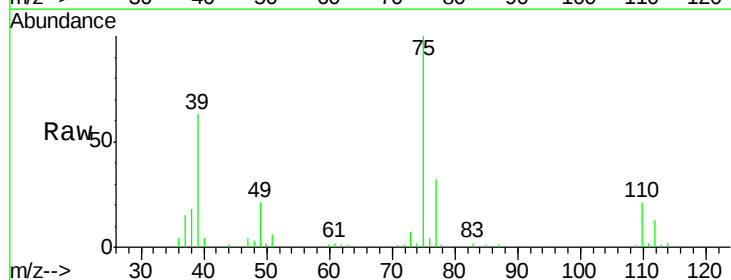
Instrument :
MSVOA_N
ClientSampled :

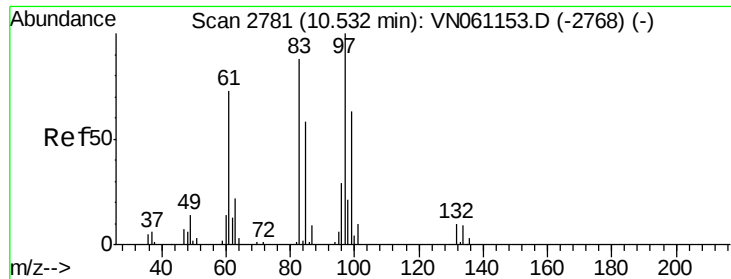
Tot Ion: 75 Resp: 45382
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 19.340 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Tgt Ion: 75 Resp: 47977
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.4
39 62.8 48.7 73.1

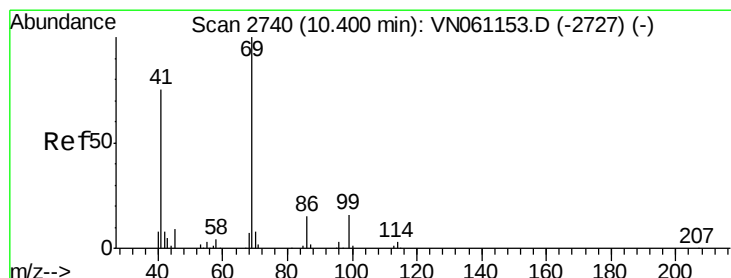
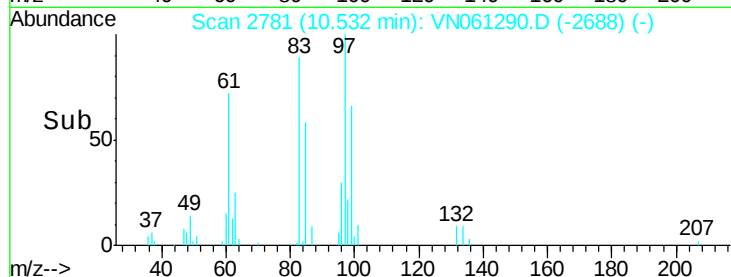
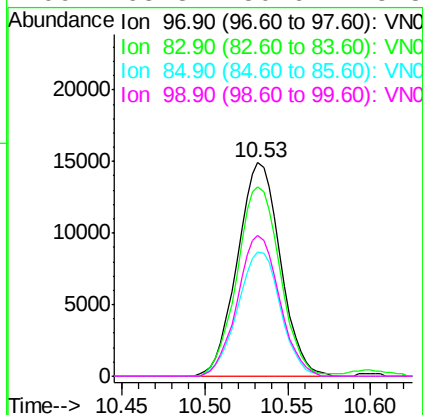
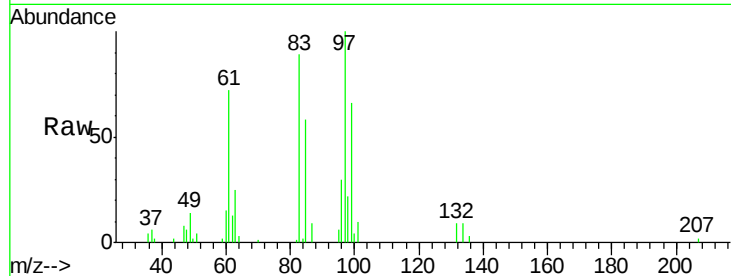




#55
 1,1,2-Trichloroethane
 Concen: 19.059 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

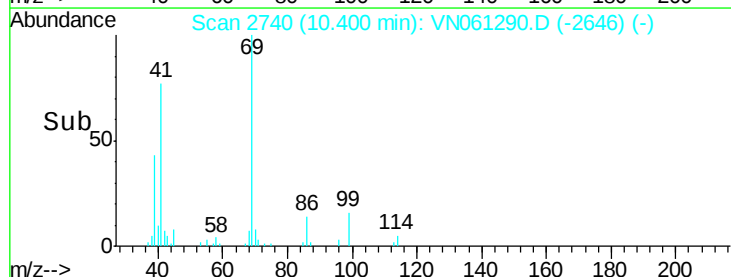
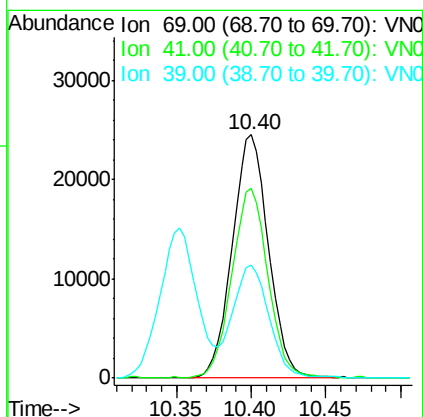
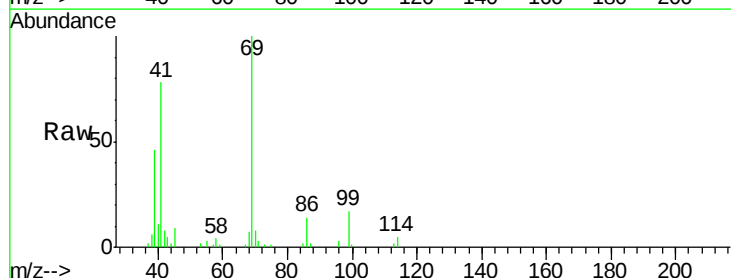
Instrument :
 MSVOA_N
 ClientSampled :

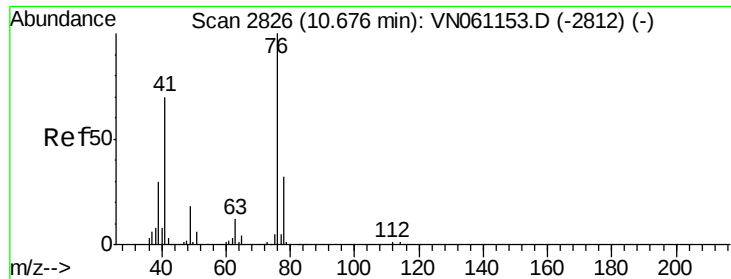
Tot Ion:	97	Resp:	26857
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.6	106.0
85	57.9	46.4	69.6
99	65.8	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 18.674 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

Tgt Ion:	69	Resp:	41419
Ion	Ratio	Lower	Upper
69	100		
41	78.0	60.3	90.5
39	46.9	35.9	53.9

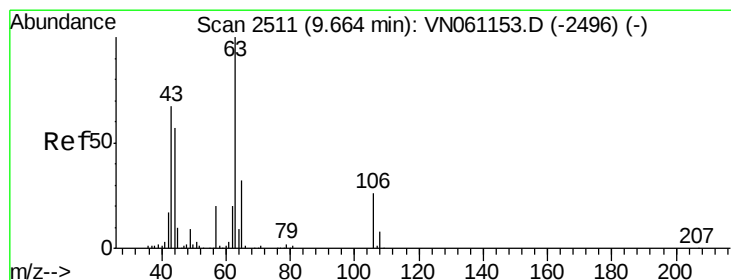
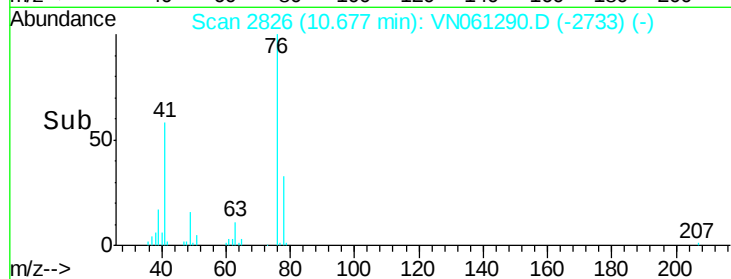
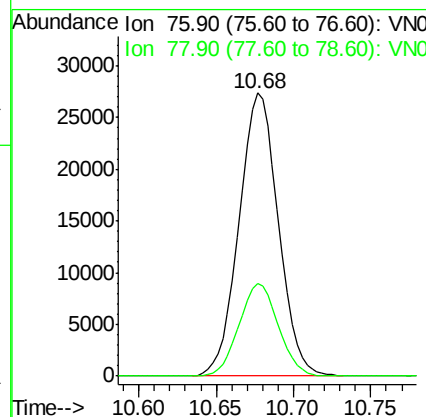
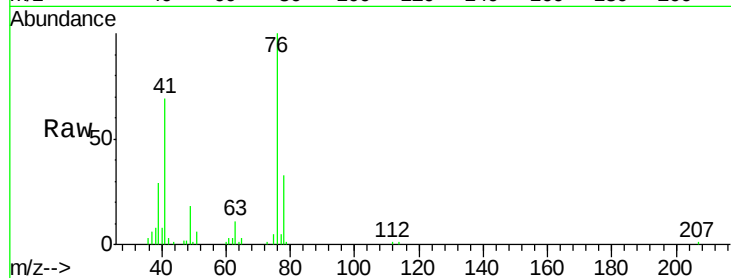




#57
 1,3-Dichloropropane
 Concen: 19.508 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

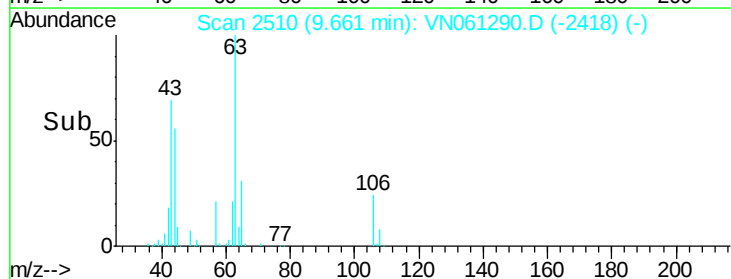
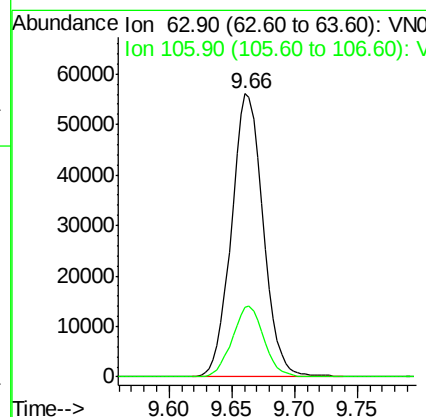
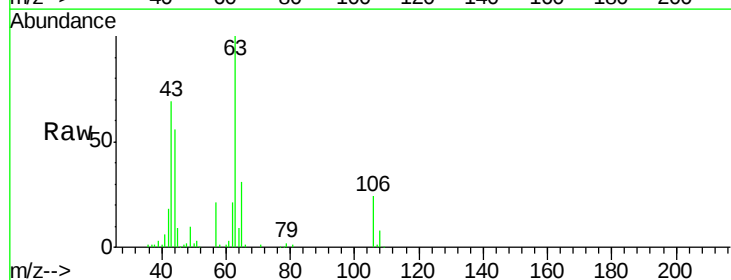
Instrument :
 MSVOA_N
 ClientSampled :

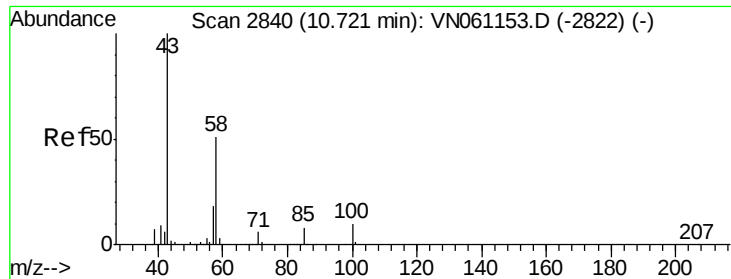
Tot Ion: 76 Resp: 48322
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.359 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

Tgt Ion: 63 Resp: 98506
 Ion Ratio Lower Upper
 63 100
 106 24.8 20.6 30.8

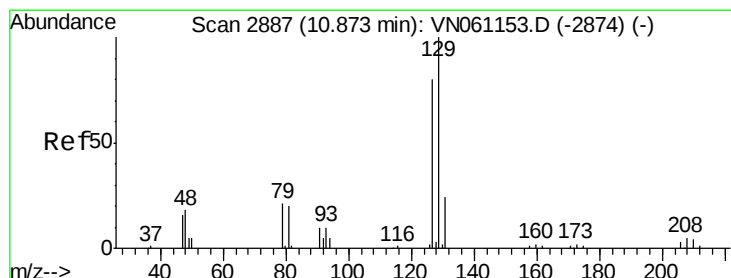
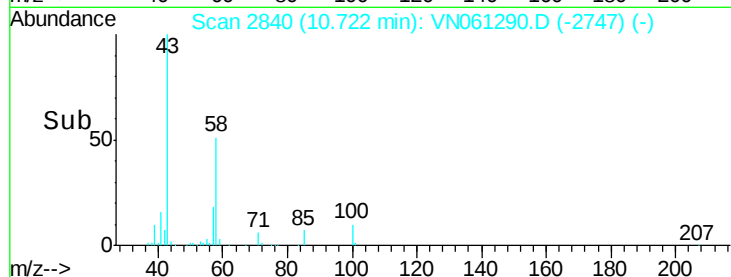
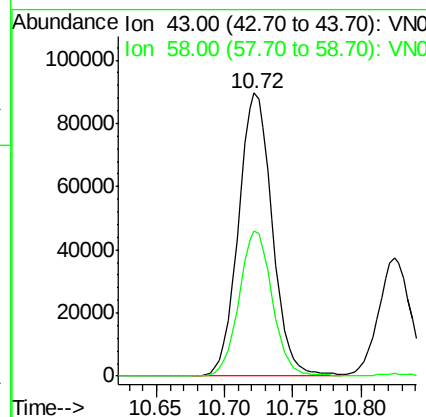
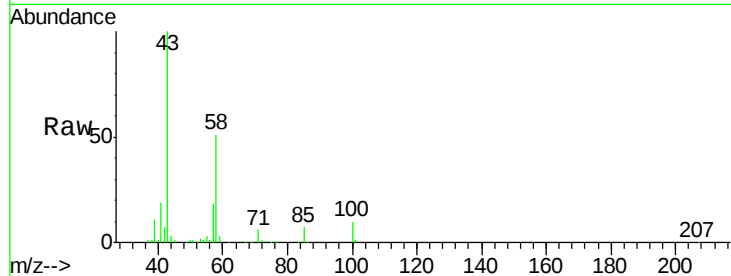




#59
2-Hexanone
Concen: 93.969 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

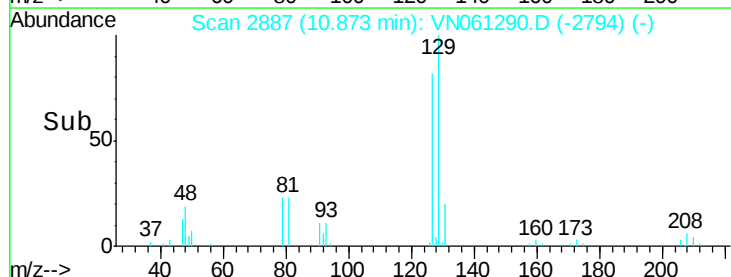
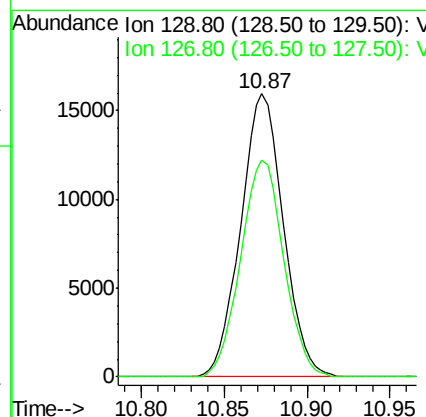
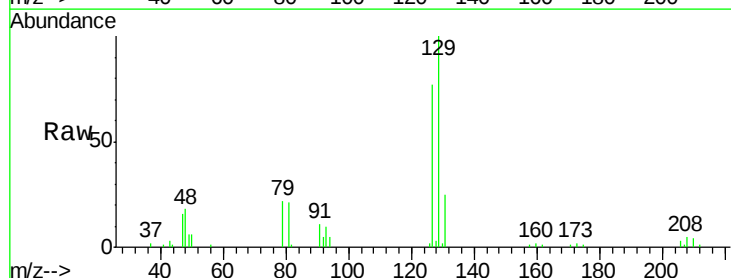
Instrument :
MSVOA_N
ClientSampled :

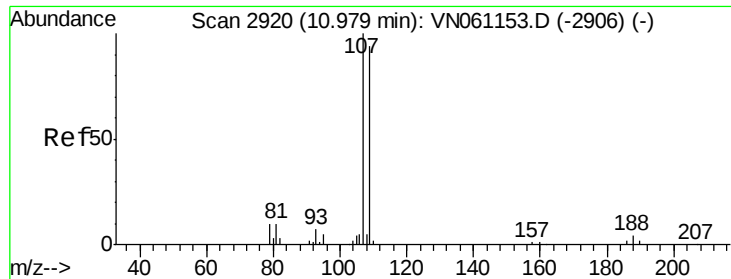
Tot Ion: 43 Resp: 154139
Ion Ratio Lower Upper
43 100
58 50.5 25.4 76.4



#60
Dibromochloromethane
Concen: 19.298 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Tgt Ion: 129 Resp: 28482
Ion Ratio Lower Upper
129 100
127 77.4 39.3 117.8

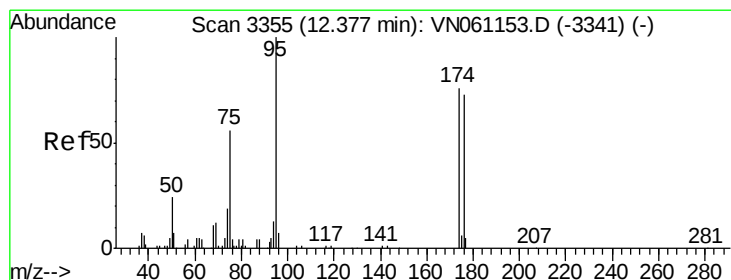
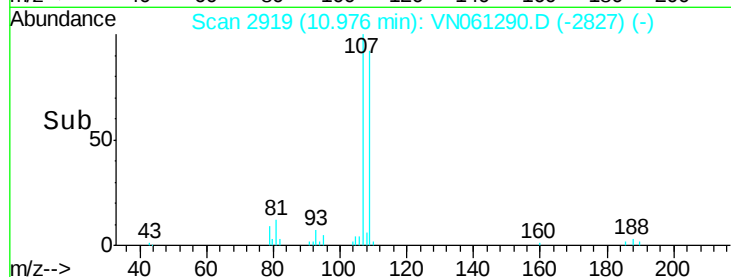
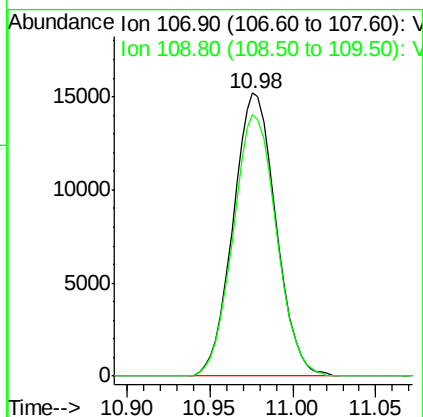
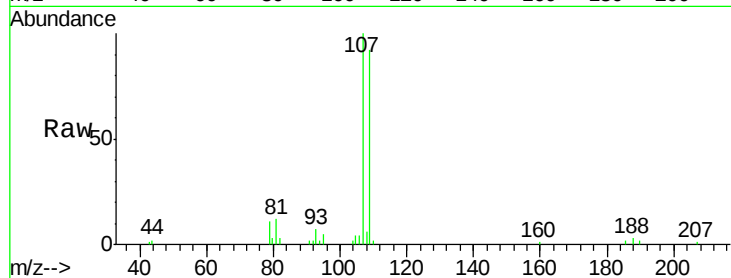




#61
 1,2-Dibromoethane
 Concen: 19.263 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

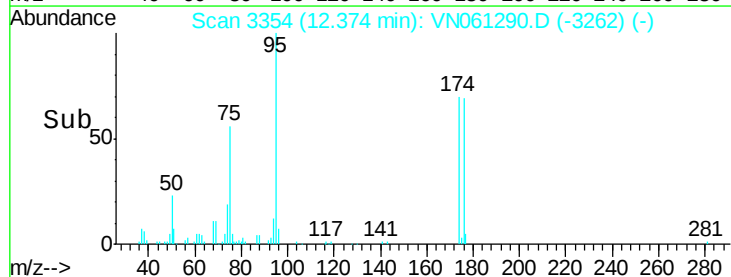
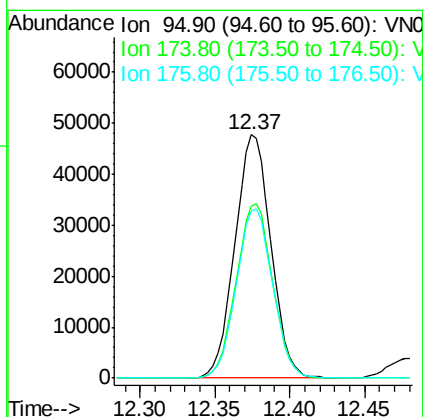
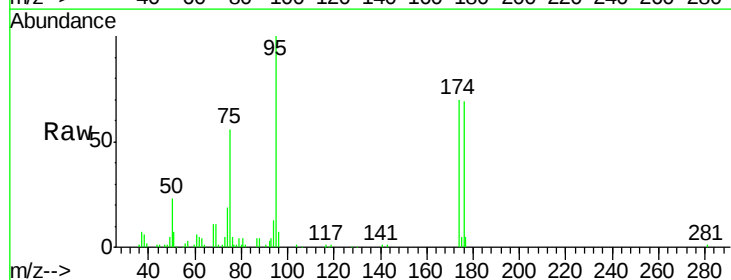
Instrument :
 MSVOA_N
 ClientSampleId :

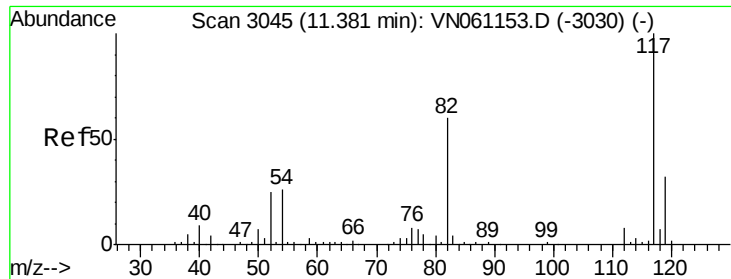
Tot Ion:107 Resp: 27208
 Ion Ratio Lower Upper
 107 100
 109 93.8 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 44.877 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

Tgt Ion: 95 Resp: 80063
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 149.4
 176 70.2 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: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

ClientSampled :

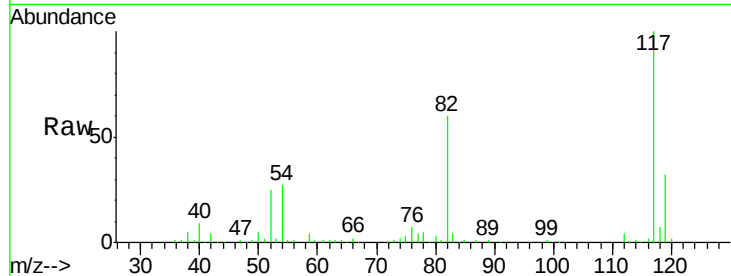
Tot Ion:117 Resp: 181846

Ion Ratio Lower Upper

117 100

82 60.1 47.8 71.8

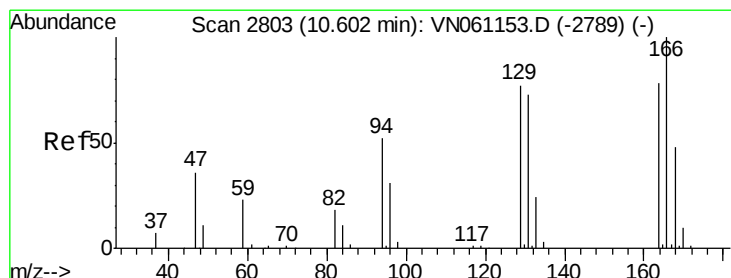
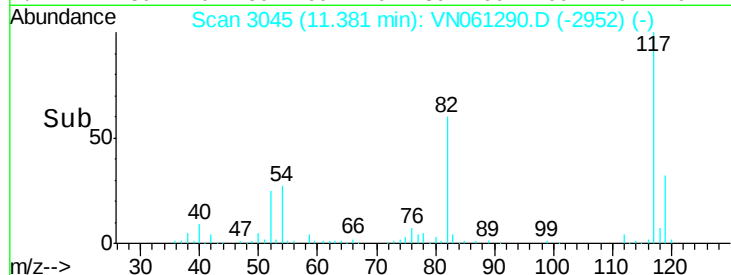
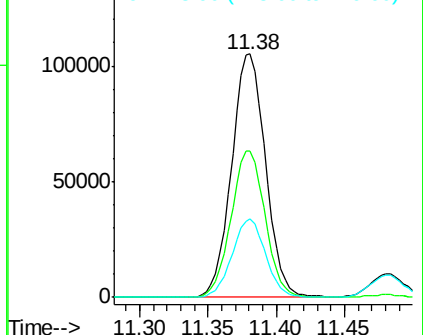
119 32.1 25.8 38.6



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: 17.054 ug/l

RT: 10.60 min Scan# 2803

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Tgt Ion:164 Resp: 26860

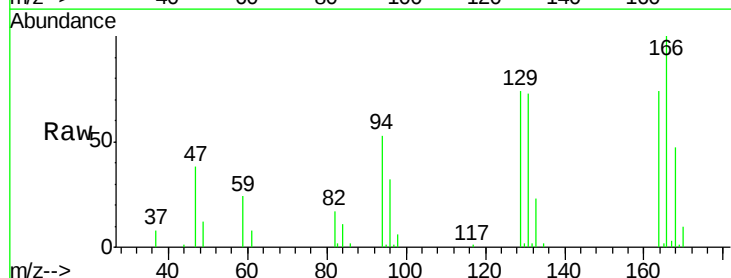
Ion Ratio Lower Upper

164 100

166 135.3 102.0 153.0

129 99.9 78.2 117.2

131 98.5 74.5 111.7

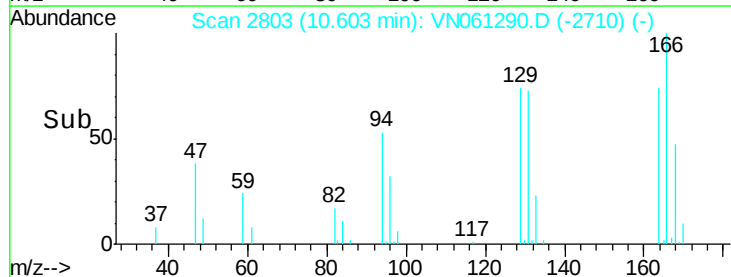
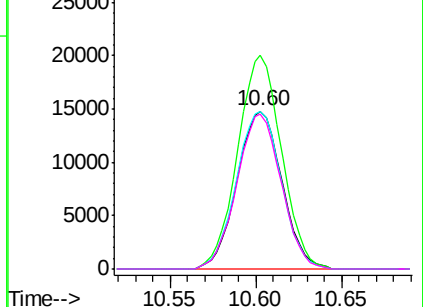


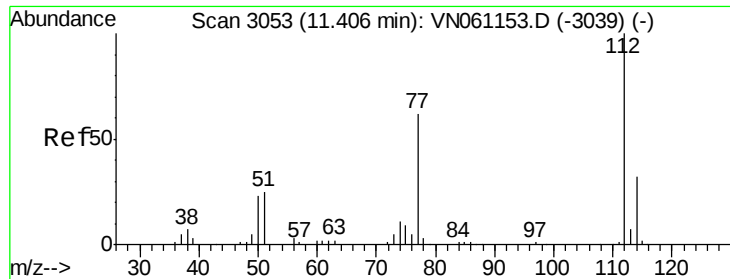
Abundance Ion 163.80 (163.50 to 164.50): V

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

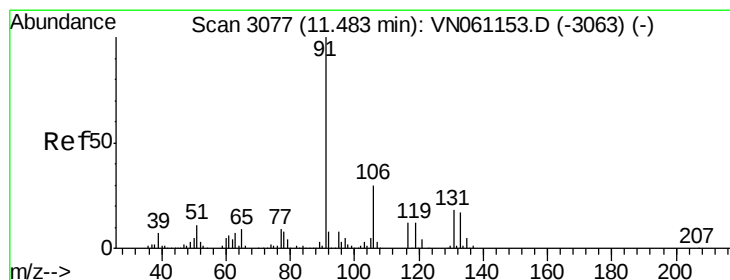
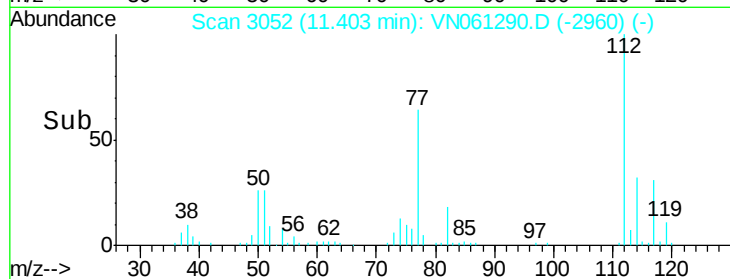
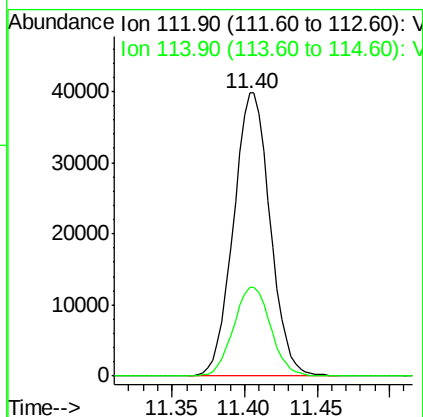
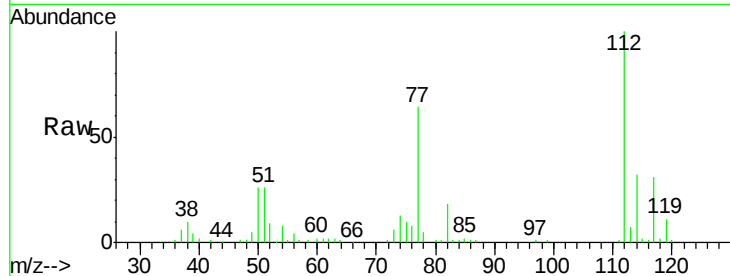




#65
Chlorobenzene
Concen: 19.342 ug/l
RT: 11.40 min Scan# 3052
Delta R.T. -0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

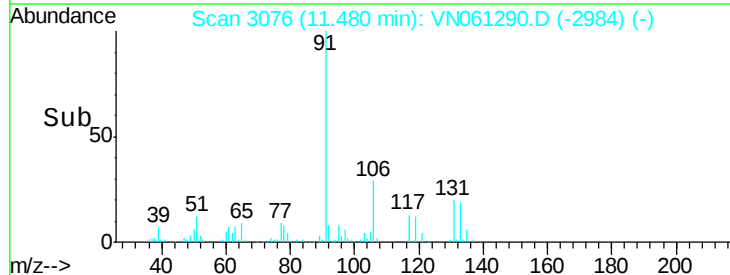
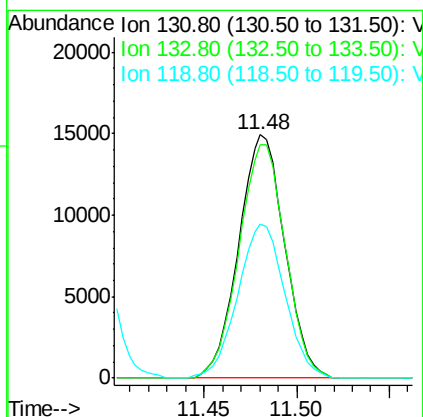
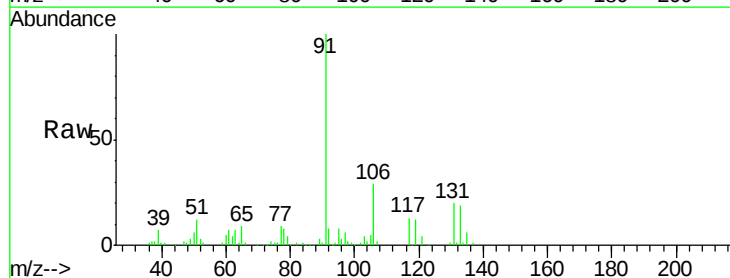
Instrument :
MSVOA_N
ClientSampled :

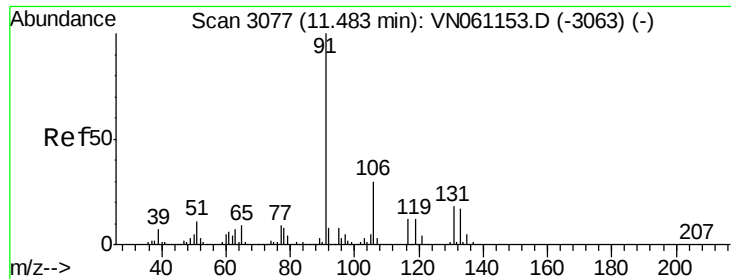
Tot Ion:112 Resp: 69771
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.933 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Tgt Ion:131 Resp: 25735
Ion Ratio Lower Upper
131 100
133 96.8 48.0 144.2
119 64.7 32.6 97.8





#67

Ethyl Benzene

Concen: 19.423 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

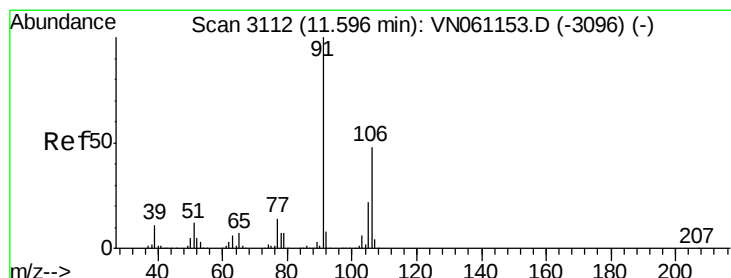
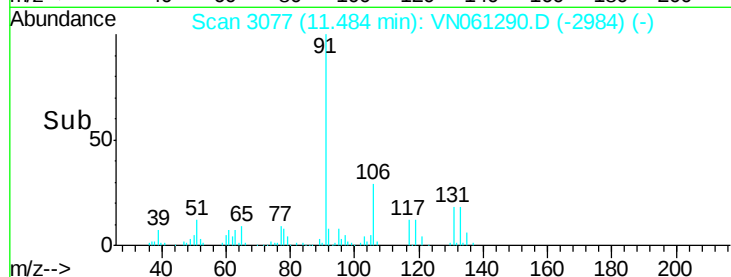
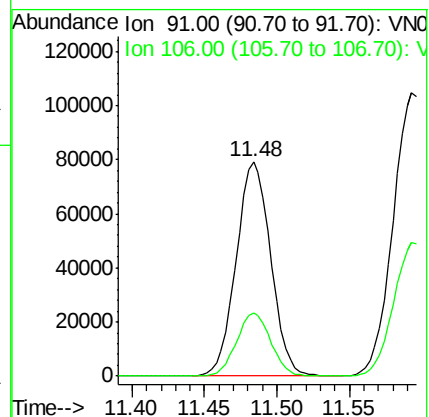
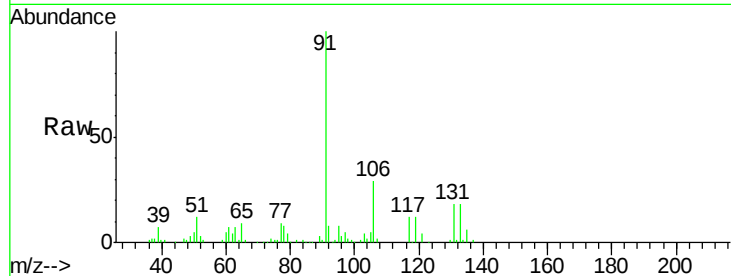
ClientSampled :

Tot Ion: 91 Resp: 131155

Ion Ratio Lower Upper

91 100

106 29.4 23.8 35.6



#68

m/p-Xylenes

Concen: 37.828 ug/l

RT: 11.59 min Scan# 3111

Delta R.T. -0.00 min

Lab File: VN061290.D

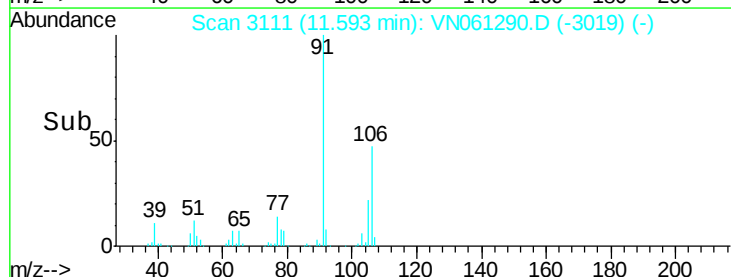
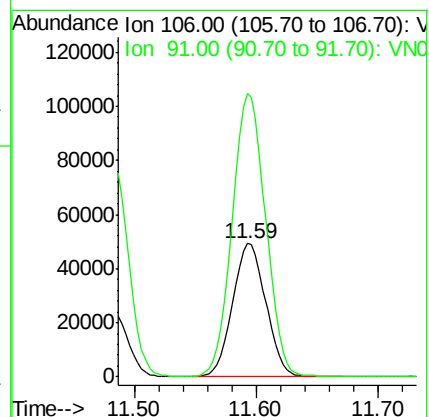
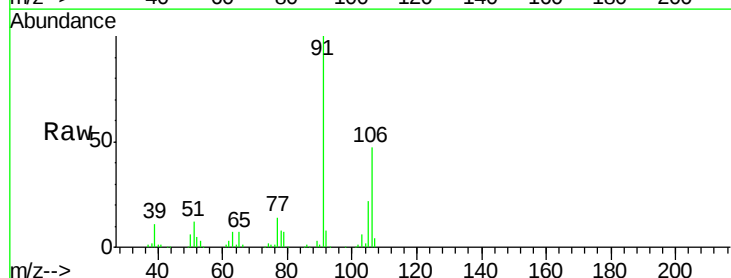
Acq: 5 May 2020 14:32

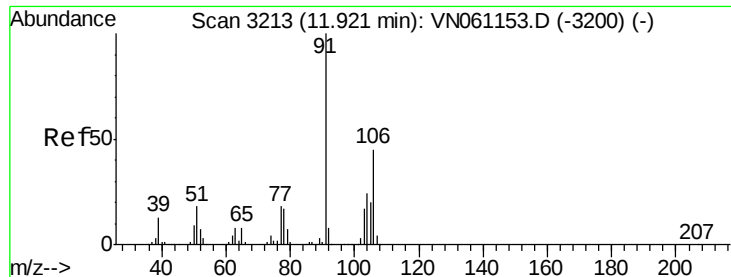
Tgt Ion: 106 Resp: 93499

Ion Ratio Lower Upper

106 100

91 214.2 166.4 249.6

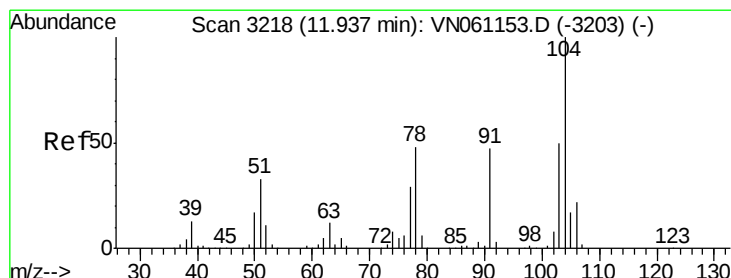
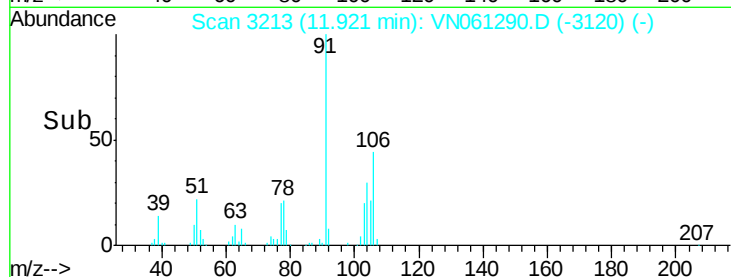
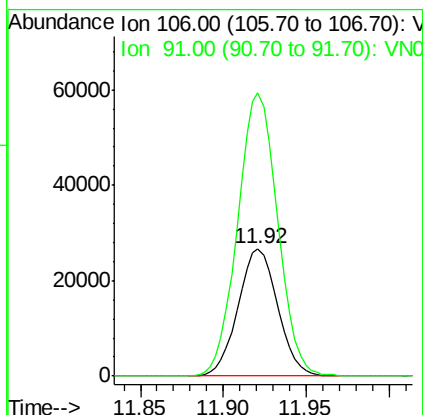
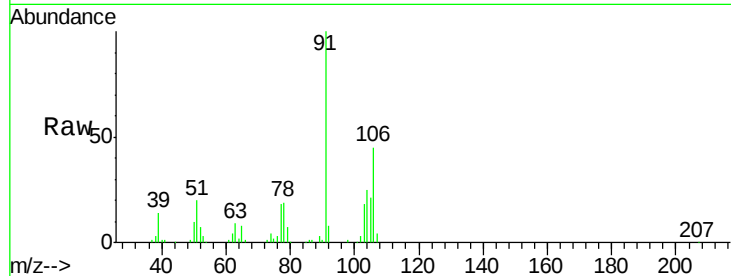




#69
o-Xylene
Concen: 18.765 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

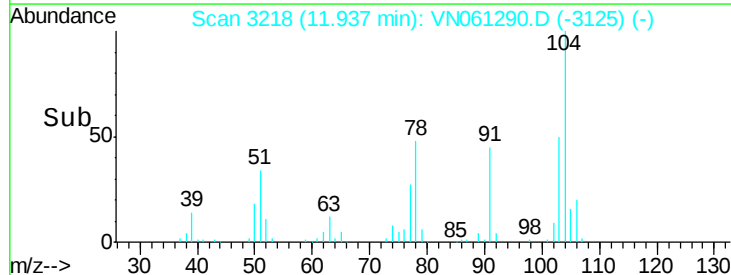
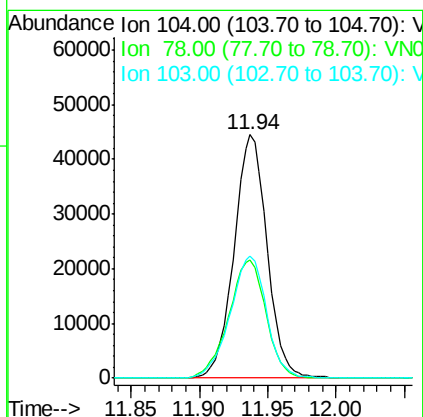
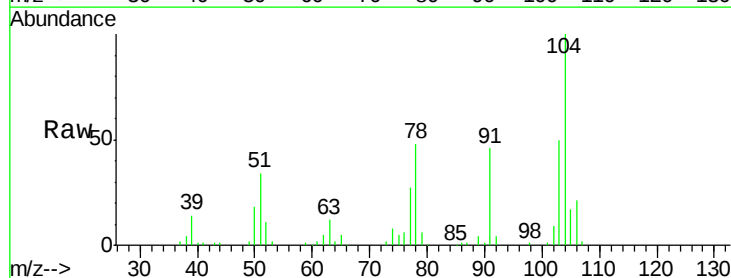
Instrument :
MSVOA_N
ClientSampled :

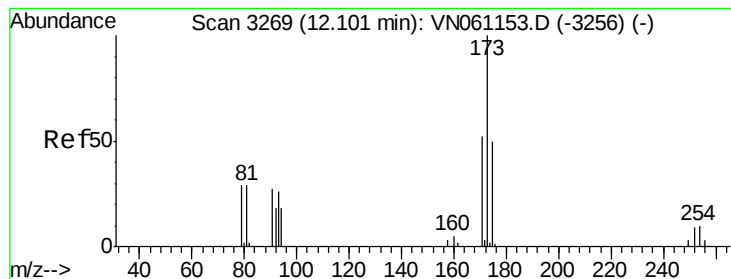
Tot Ion:106 Resp: 44551
Ion Ratio Lower Upper
106 100
91 224.0 109.7 329.0



#70
Styrene
Concen: 18.822 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Tgt Ion:104 Resp: 74794
Ion Ratio Lower Upper
104 100
78 54.6 42.1 63.1
103 55.0 43.3 64.9





#71

Bromoform

Concen: 19.260 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

ClientSampled :

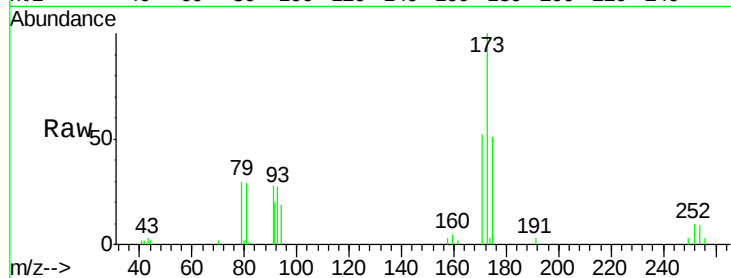
Tot Ion:173 Resp: 18275

Ion Ratio Lower Upper

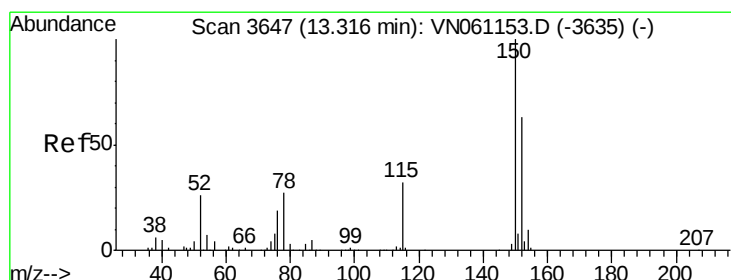
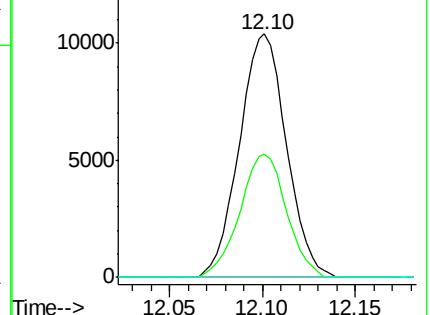
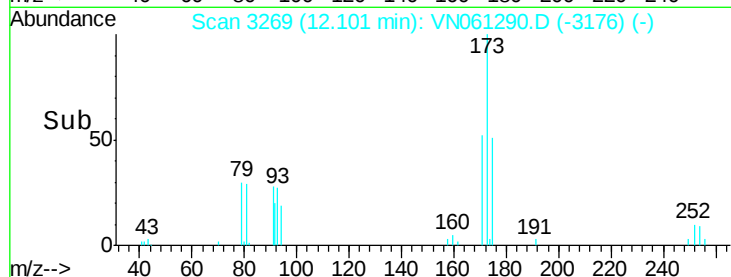
173 100

175 50.1 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# 3647

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

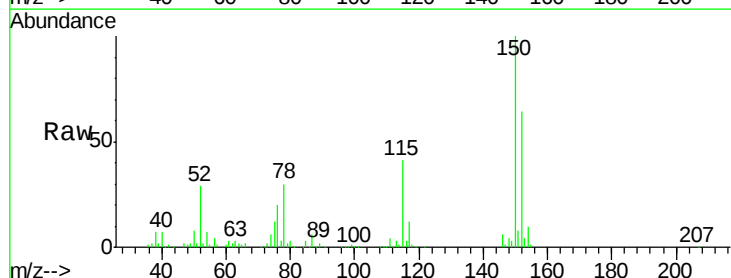
Tgt Ion:152 Resp: 84630

Ion Ratio Lower Upper

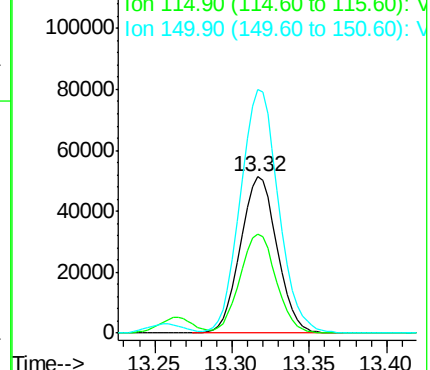
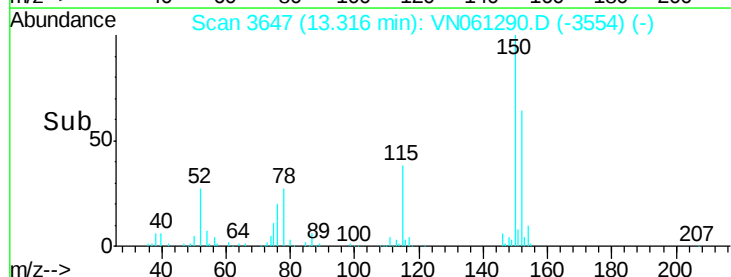
152 100

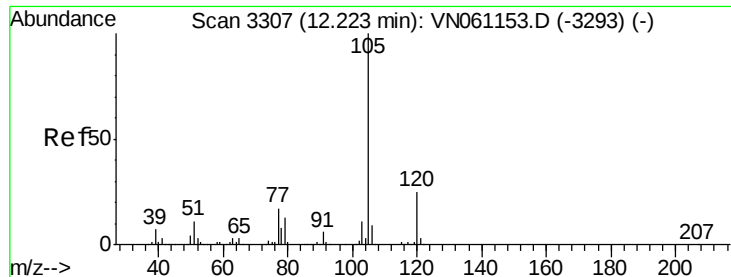
115 62.5 31.0 93.0

150 162.1 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: 19.500 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

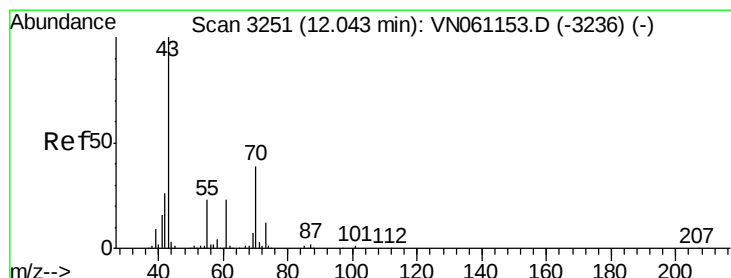
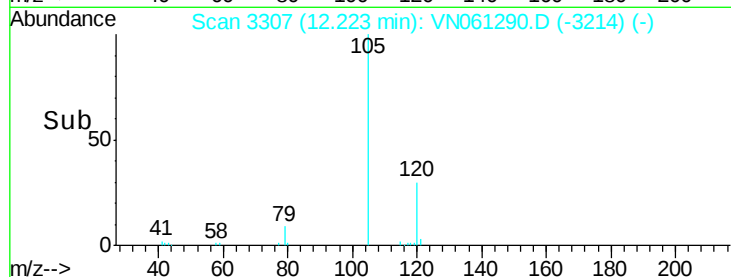
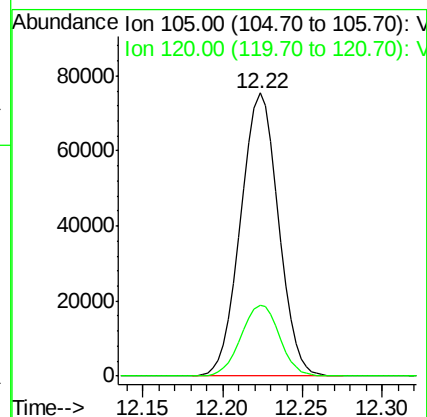
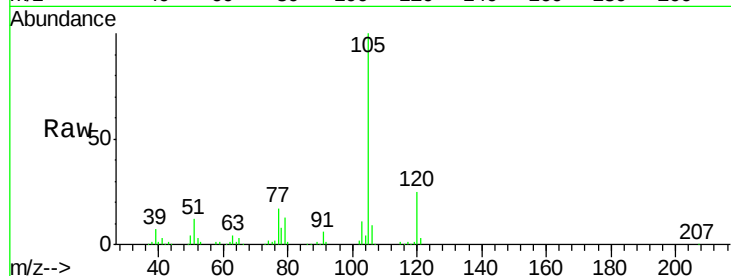
ClientSampleId :

Tot Ion:105 Resp: 121322

Ion Ratio Lower Upper

105 100

120 25.6 12.6 37.8



#74

N-ethyl acetate

Concen: 19.397 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Tgt Ion: 43 Resp: 61111

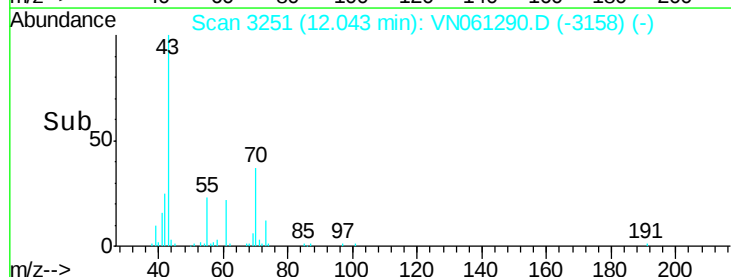
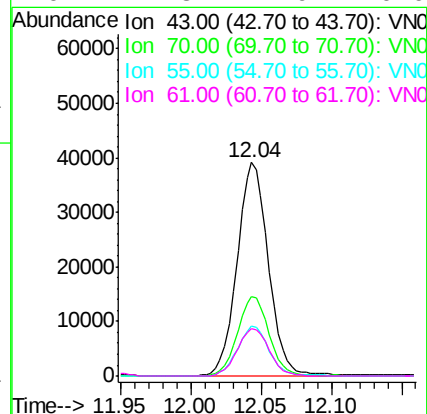
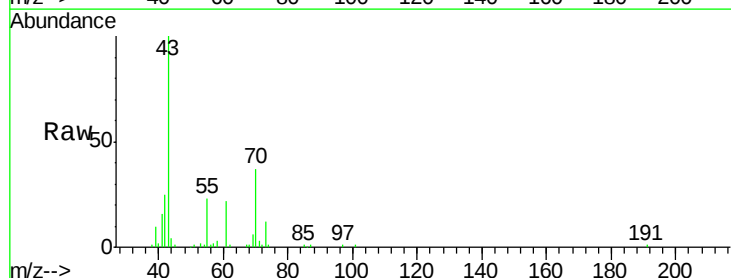
Ion Ratio Lower Upper

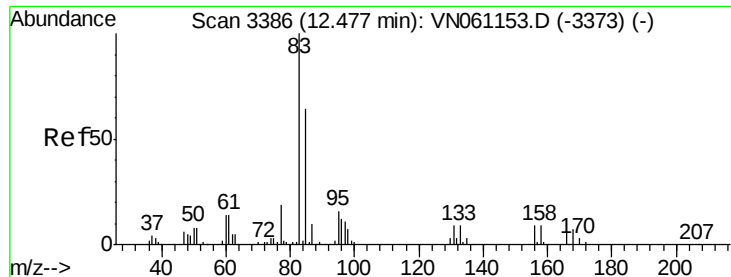
43 100

70 37.2 30.6 46.0

55 23.5 18.5 27.7

61 22.3 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.312 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

ClientSampled :

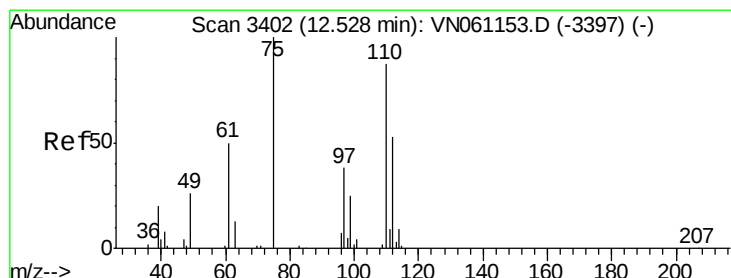
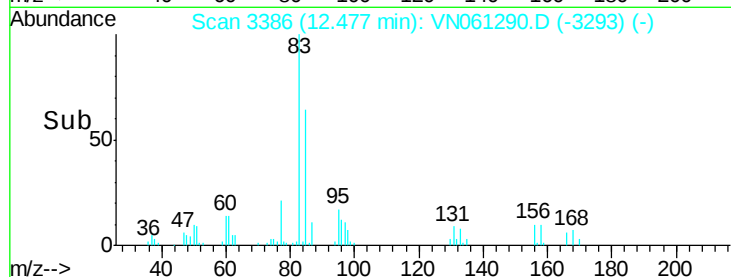
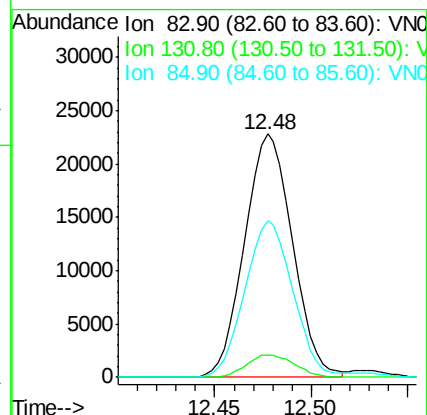
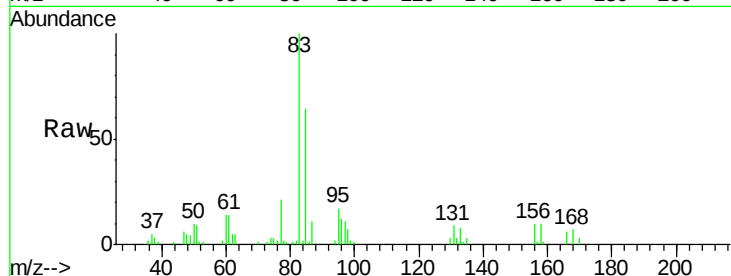
Tot Ion: 83 Resp: 39405

Ion Ratio Lower Upper

83 100

131 9.2 4.8 14.3

85 64.6 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 30.178 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061290.D

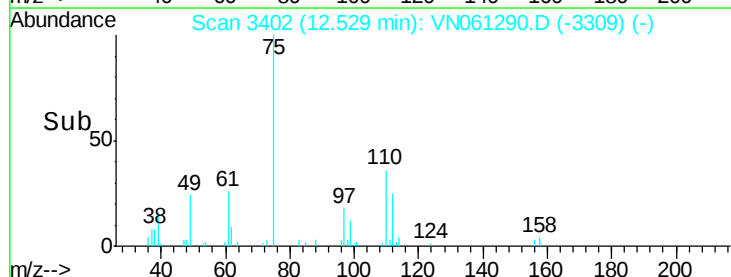
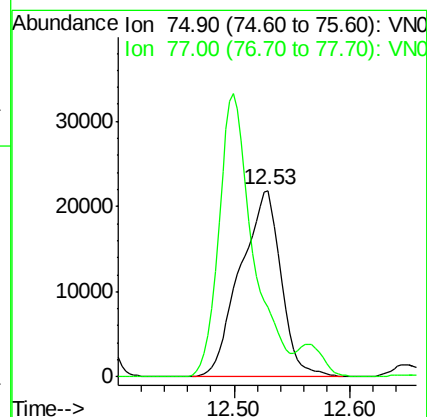
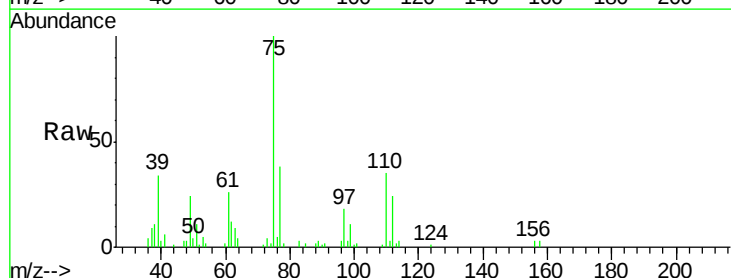
Acq: 5 May 2020 14:32

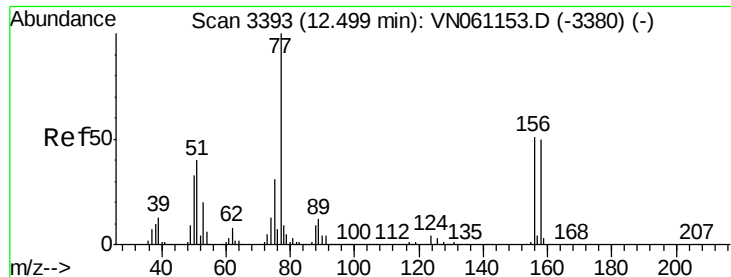
Tgt Ion: 75 Resp: 53845

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.964 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

ClientSampled :

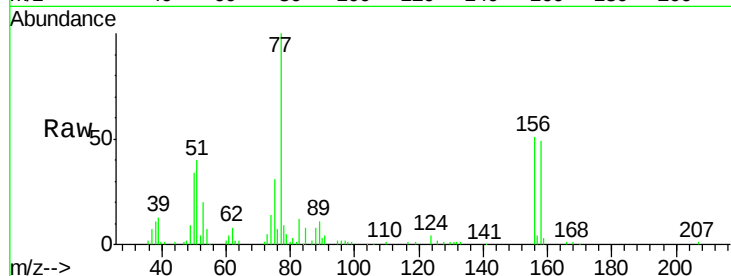
Tot Ion:156 Resp: 28672

Ion Ratio Lower Upper

156 100

77 237.2 117.4 352.2

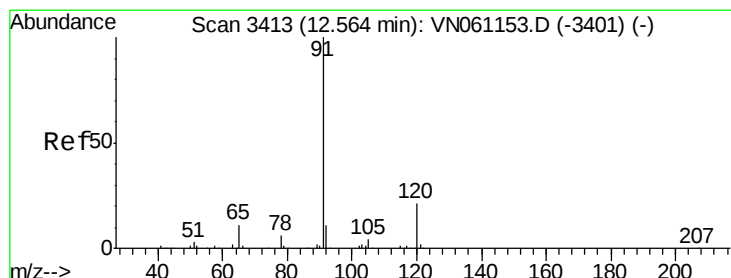
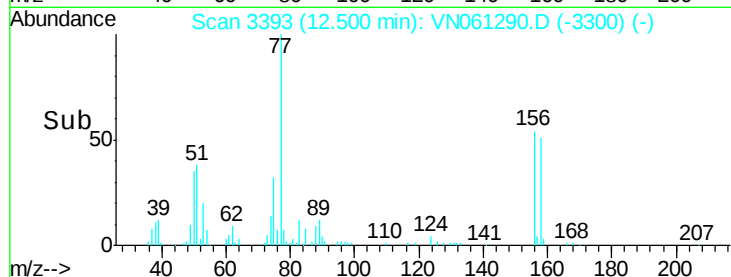
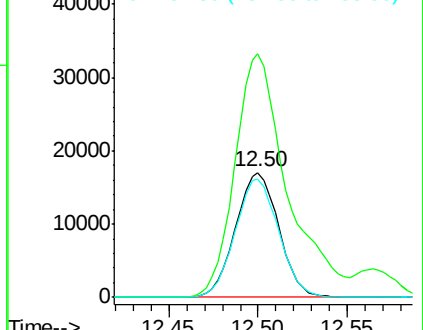
158 95.5 48.4 145.0



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: 19.545 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061290.D

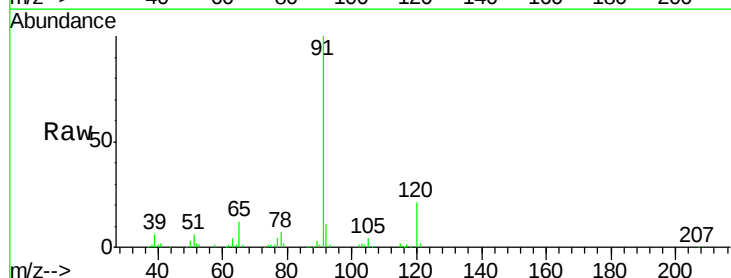
Acq: 5 May 2020 14:32

Tgt Ion: 91 Resp: 144235

Ion Ratio Lower Upper

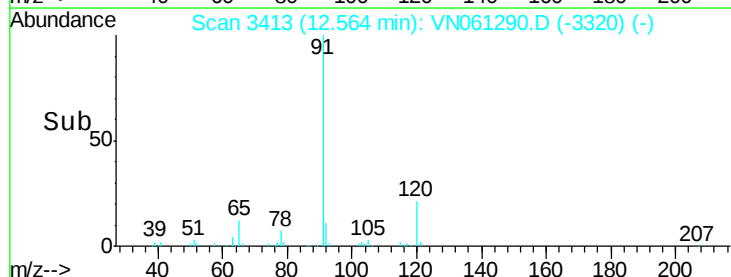
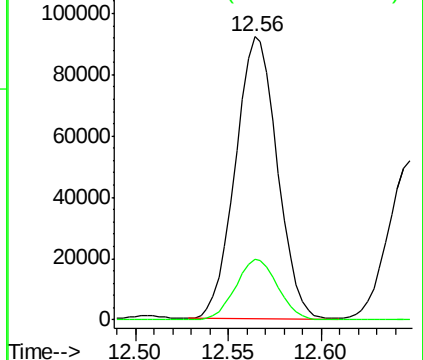
91 100

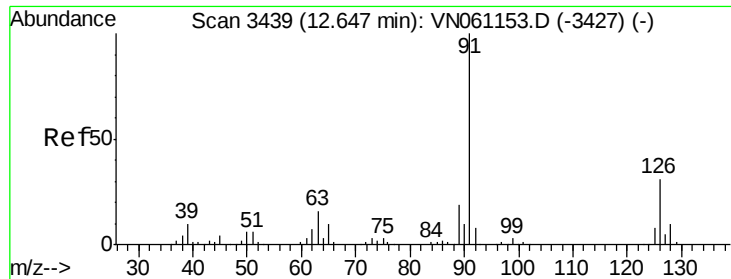
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.750 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

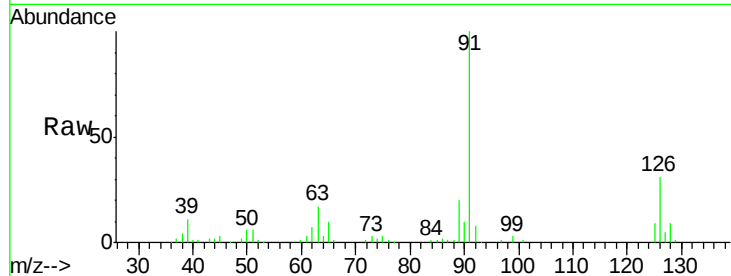
ClientSampled :

Tot Ion: 91 Resp: 85667

Ion Ratio Lower Upper

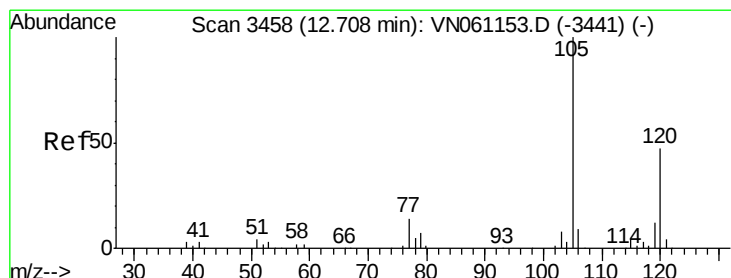
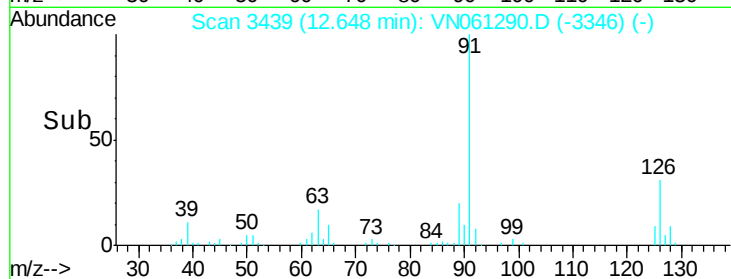
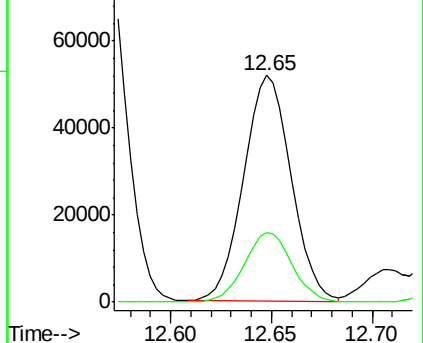
91 100

126 30.9 15.9 47.7



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

Ion 125.90 (125.60 to 126.60): VN061153.D (-3427) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.678 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061290.D

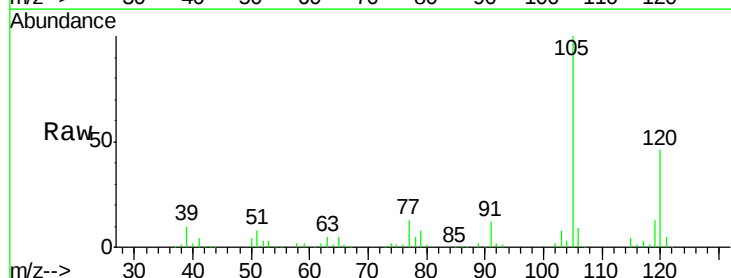
Acq: 5 May 2020 14:32

Tgt Ion: 105 Resp: 101327

Ion Ratio Lower Upper

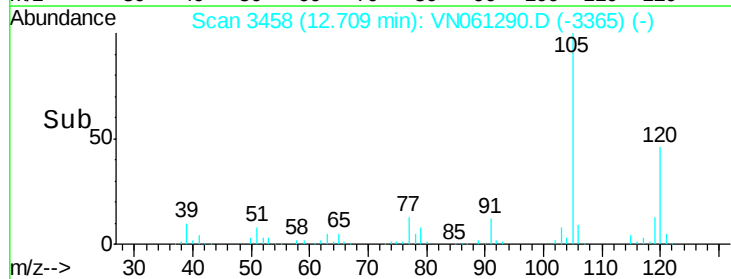
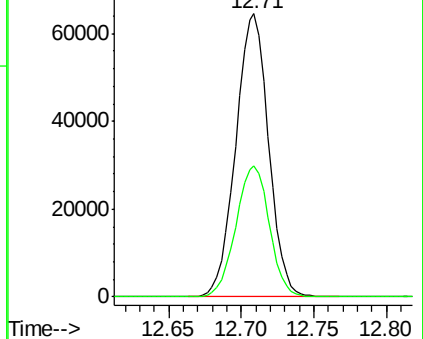
105 100

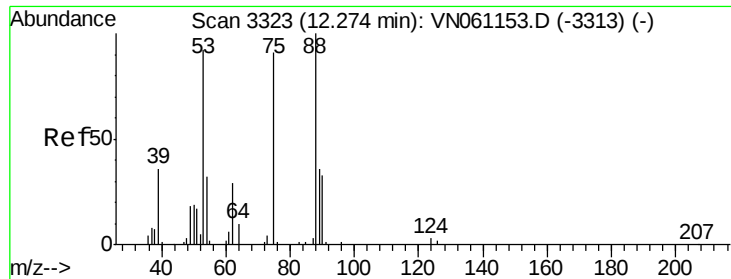
120 47.0 23.9 71.7



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

Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.321 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

ClientSampled :

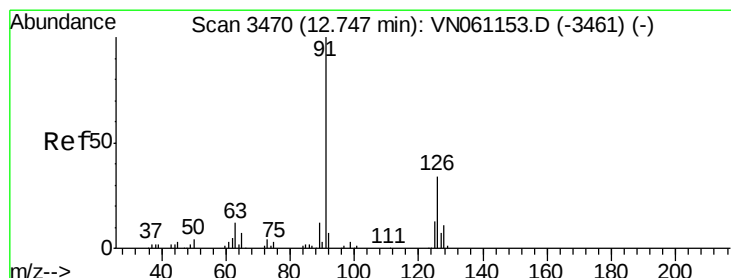
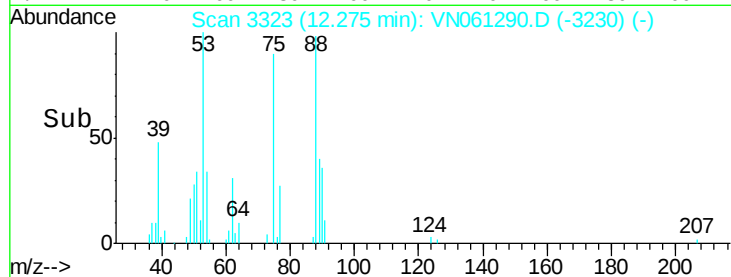
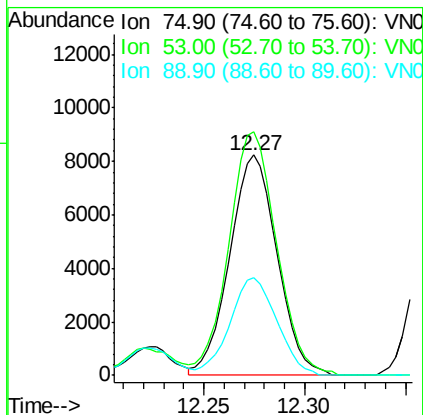
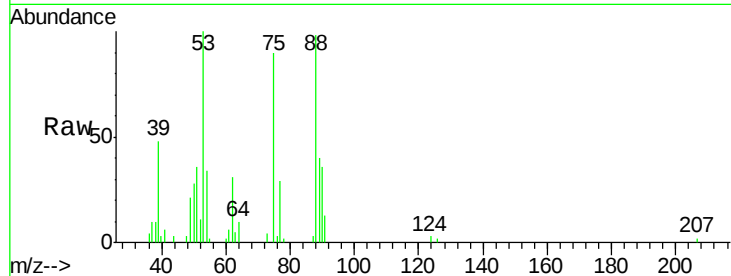
Tot Ion: 75 Resp: 13575

Ion Ratio Lower Upper

75 100

53 111.4 84.1 126.1

89 43.9 35.2 52.8



#82

4-Chlorotoluene

Concen: 19.793 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061290.D

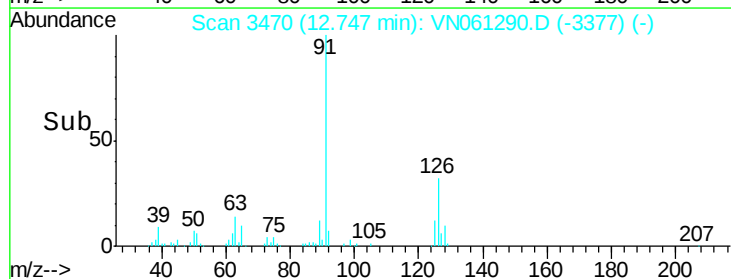
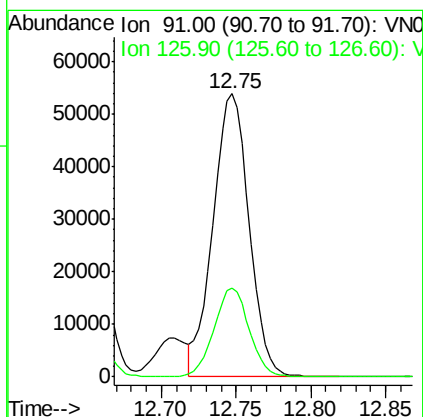
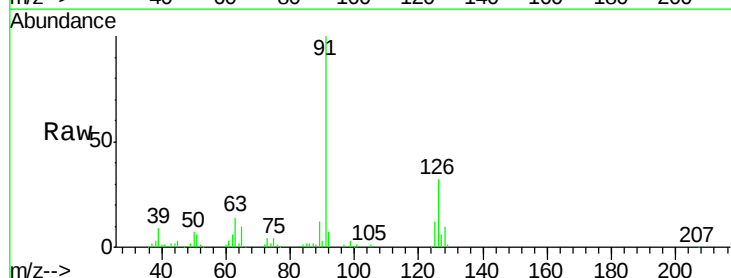
Acq: 5 May 2020 14:32

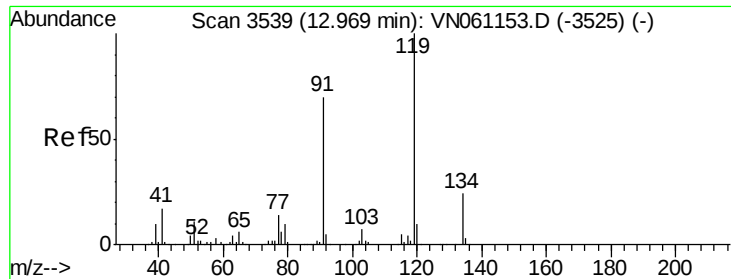
Tgt Ion: 91 Resp: 90485

Ion Ratio Lower Upper

91 100

126 30.6 15.7 47.1

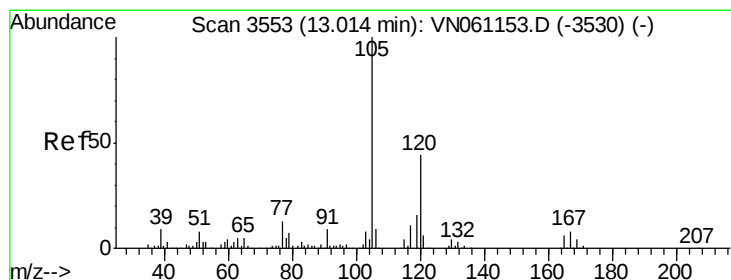
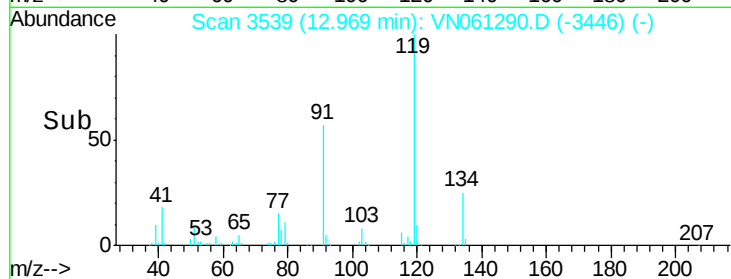
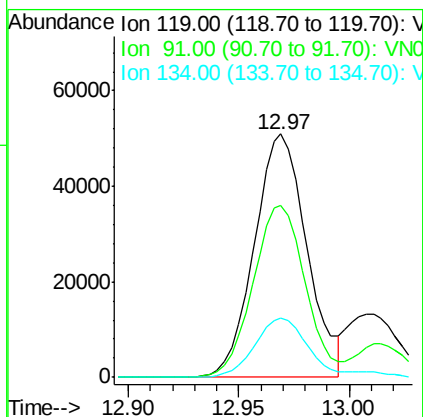
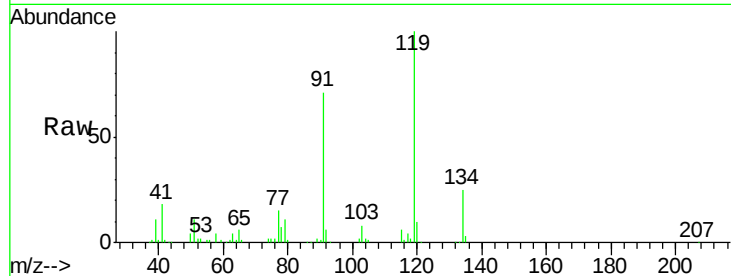




#83
 tert-Butylbenzene
 Concen: 19.331 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

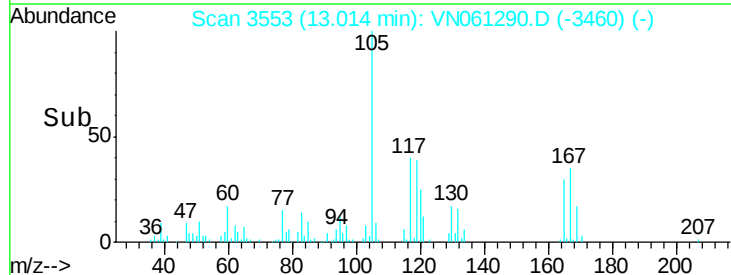
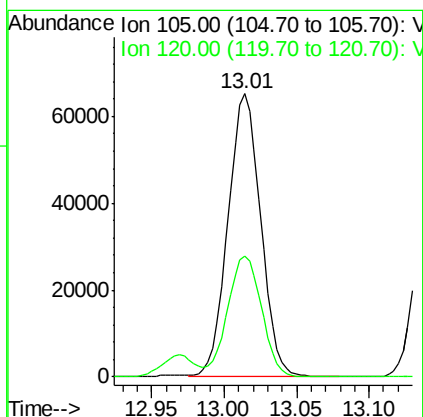
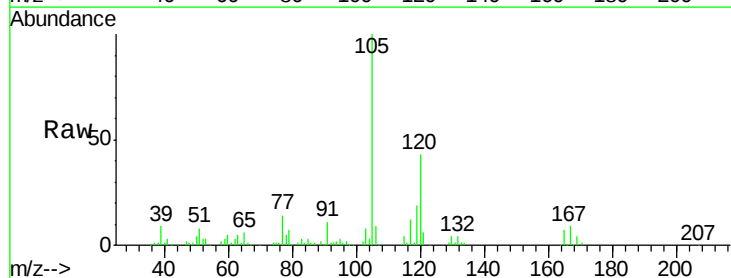
Instrument :
 MSVOA_N
 ClientSampleId :

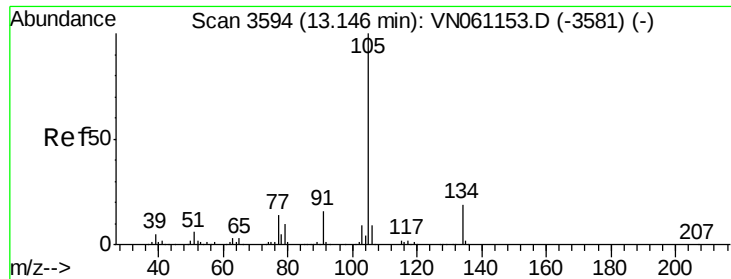
Tot Ion:119 Resp: 83933
 Ion Ratio Lower Upper
 119 100
 91 70.0 34.8 104.4
 134 24.3 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 19.291 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

Tgt Ion:105 Resp: 102342
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.313 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

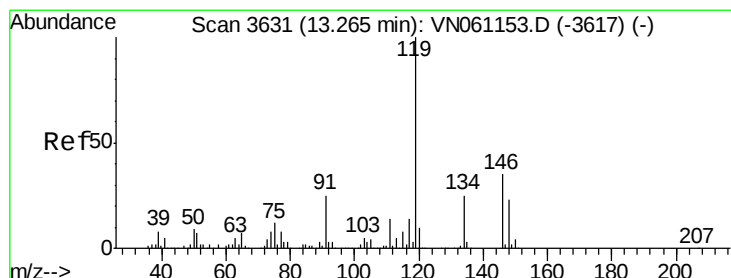
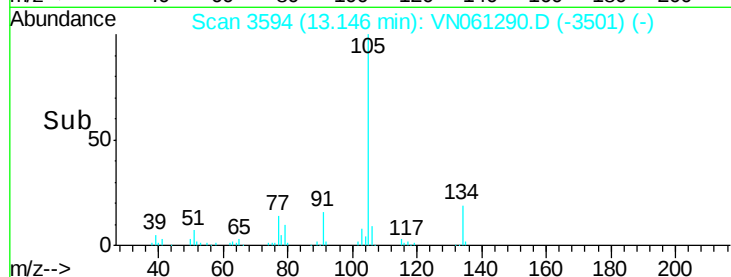
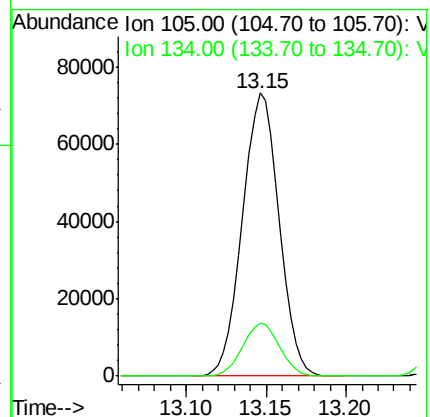
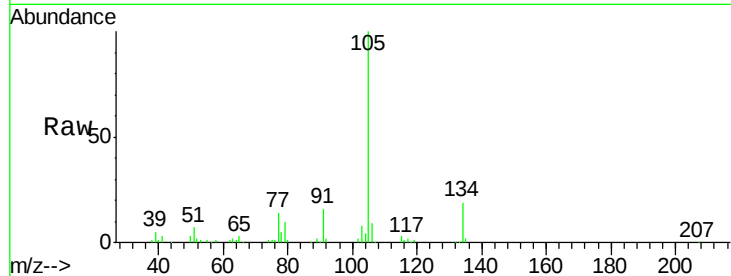
ClientSampleId :

Tot Ion:105 Resp: 114326

Ion Ratio Lower Upper

105 100

134 18.8 9.6 28.8



#86

p-Isopropyltoluene

Concen: 19.152 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

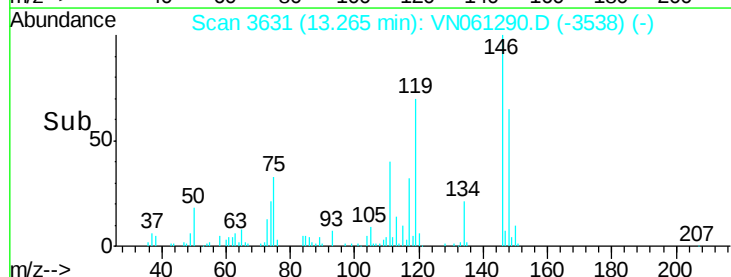
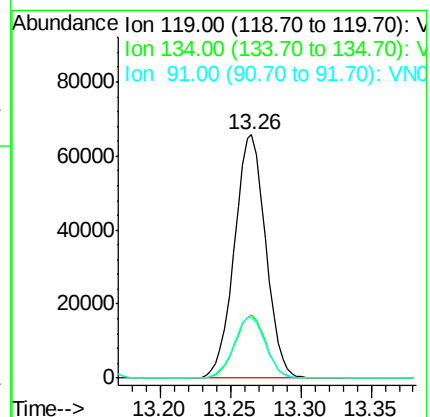
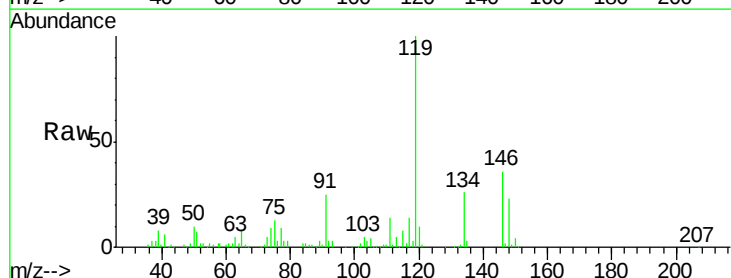
Tgt Ion:119 Resp: 102148

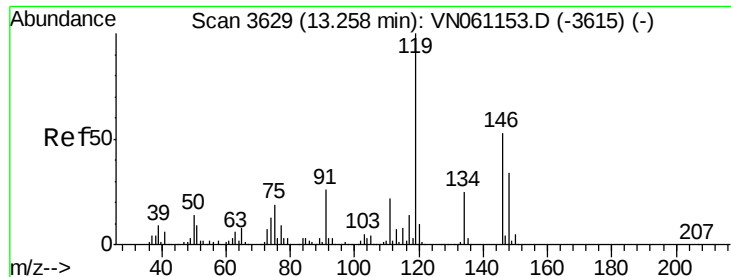
Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.6

91 25.4 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 19.221 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

ClientSampleId :

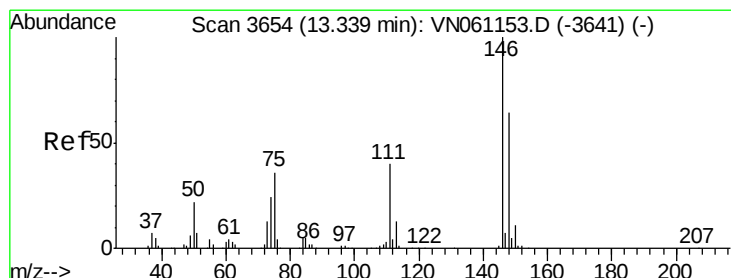
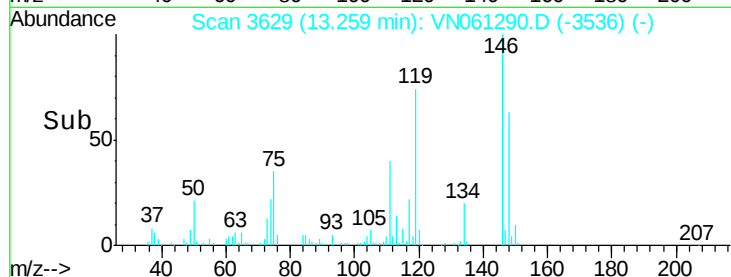
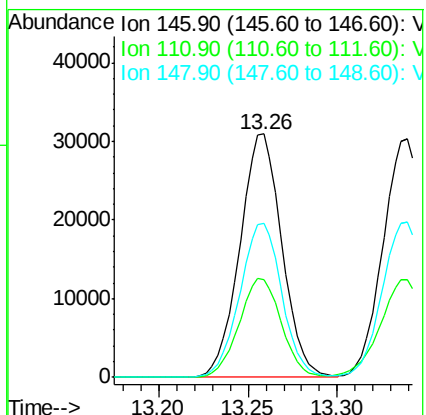
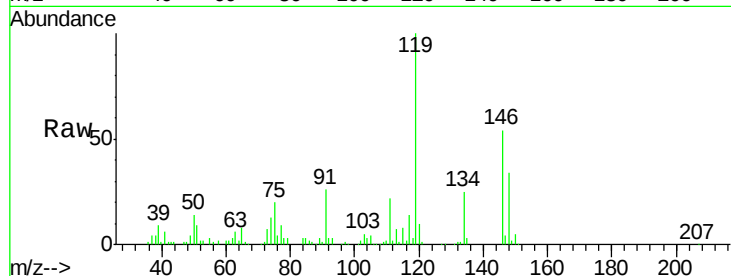
Tot Ion:146 Resp: 50819

Ion Ratio Lower Upper

146 100

111 40.8 20.7 62.1

148 63.2 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 18.725 ug/l

RT: 13.34 min Scan# 3654

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

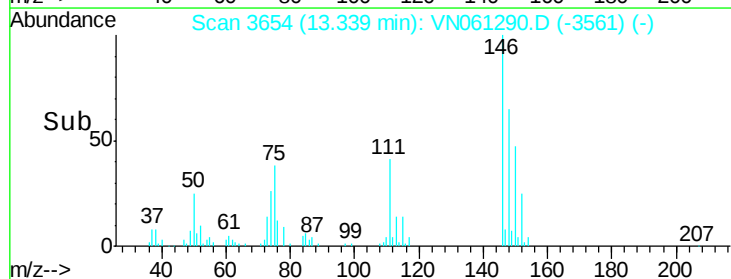
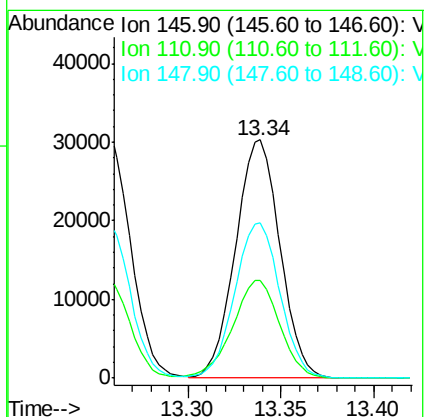
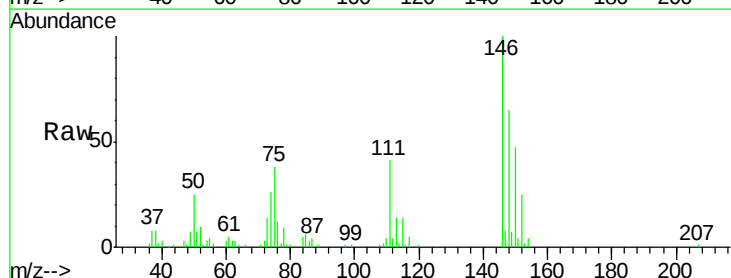
Tgt Ion:146 Resp: 50584

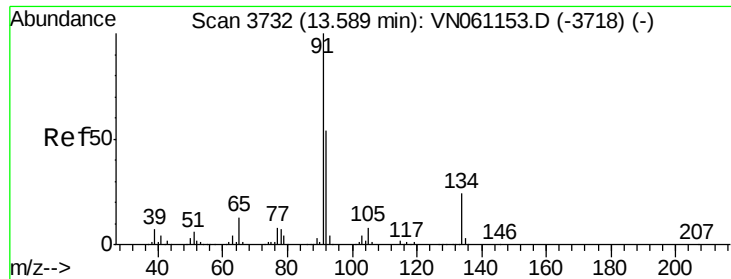
Ion Ratio Lower Upper

146 100

111 43.5 20.4 61.3

148 66.4 31.9 95.7

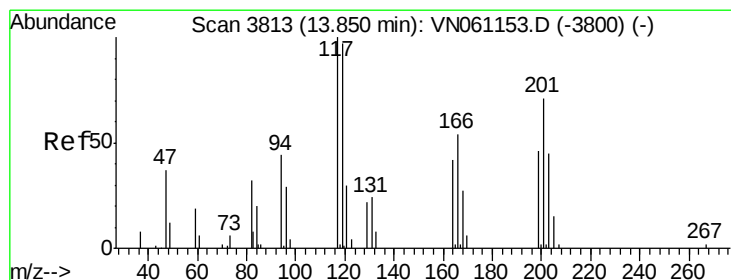
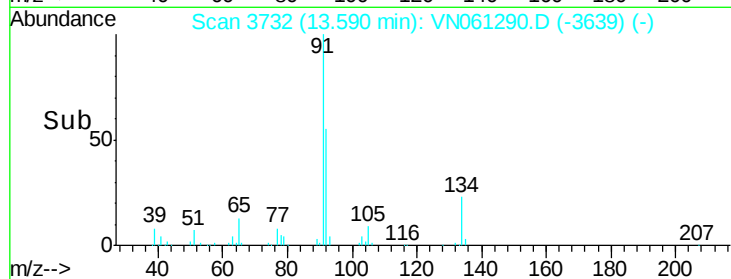
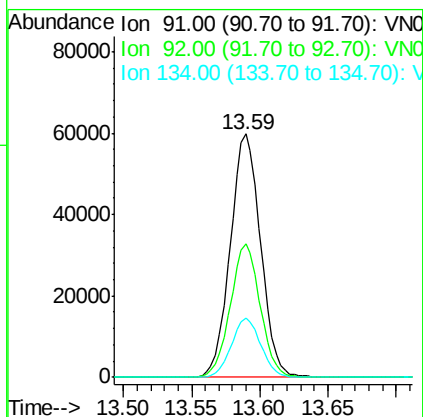
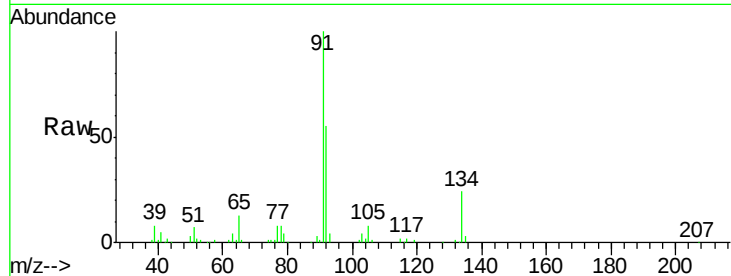




#89
n-Butylbenzene
Concen: 18.895 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

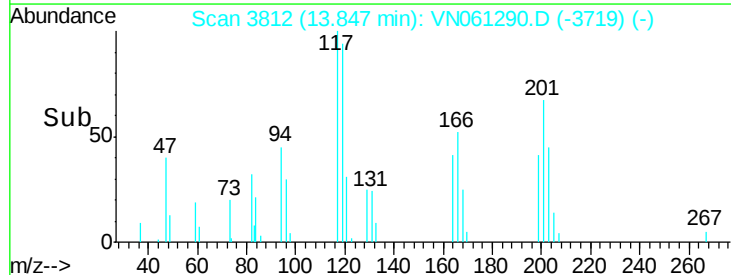
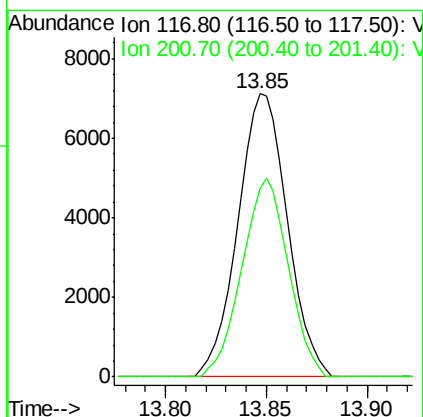
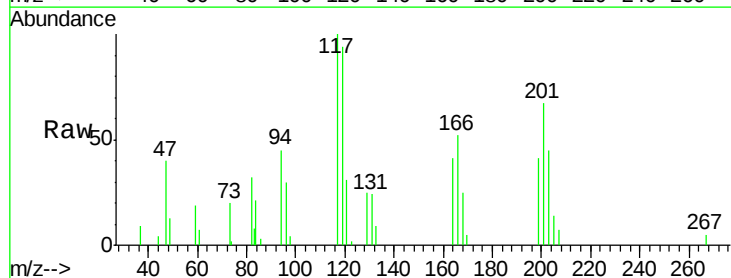
Instrument :
MSVOA_N
ClientSampleId :

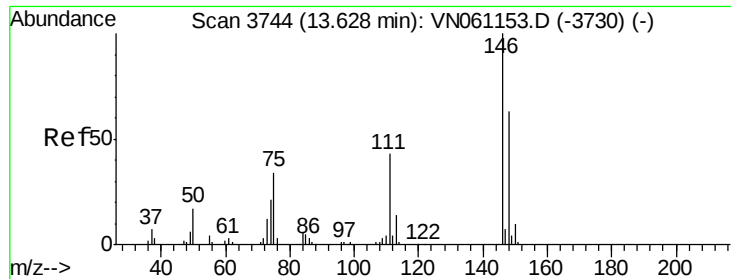
Tot Ion: 91 Resp: 92389
Ion Ratio Lower Upper
91 100
92 53.8 26.8 80.3
134 23.5 11.9 35.5



#90
Hexachloroethane
Concen: 26.246 ug/l
RT: 13.85 min Scan# 3812
Delta R.T. -0.00 min
Lab File: VN061290.D
Acq: 5 May 2020 14:32

Tgt Ion: 117 Resp: 12223
Ion Ratio Lower Upper
117 100
201 65.7 35.5 106.7

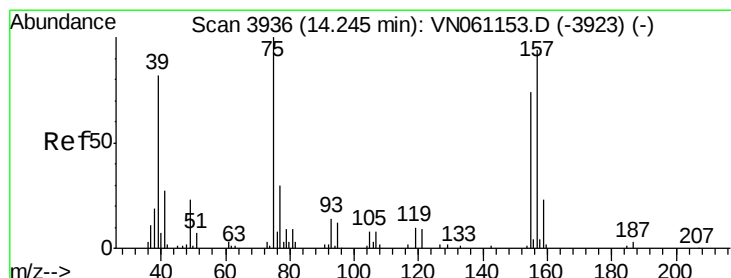
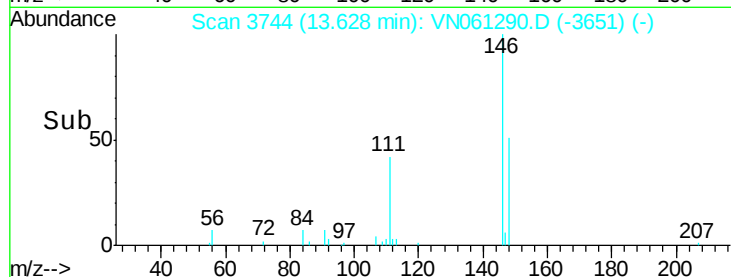
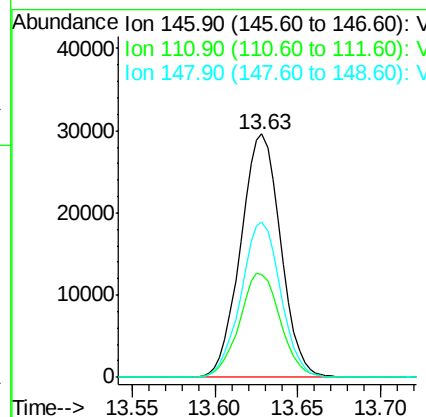
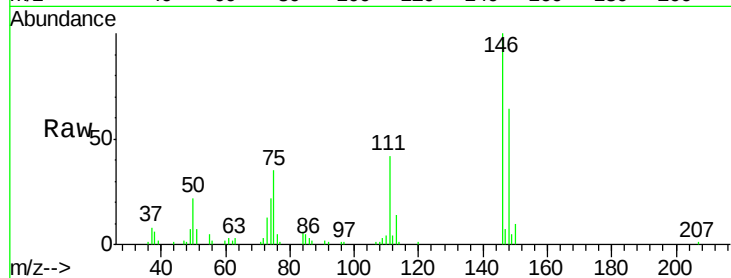




#91
 1,2-Dichlorobenzene
 Concen: 19.609 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

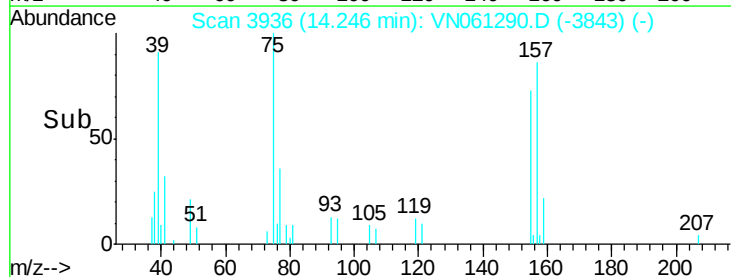
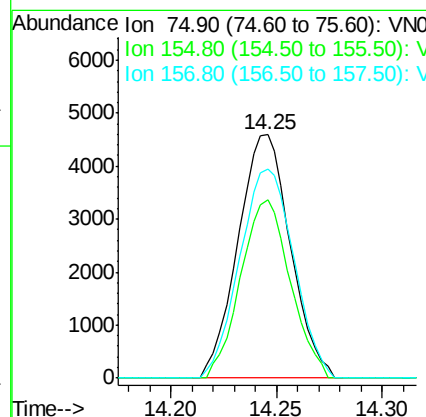
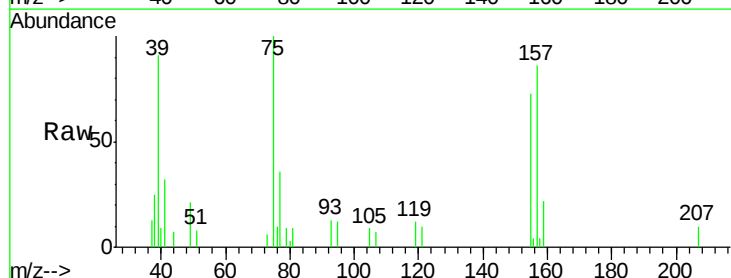
Instrument :
 MSVOA_N
 ClientSampleId :

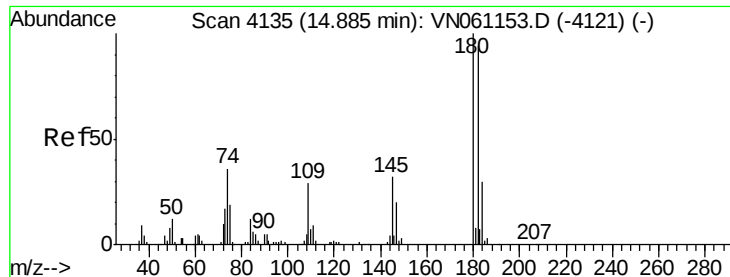
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.3
148	63.1	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.340 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.2	36.5	109.7
157	88.8	46.6	139.7

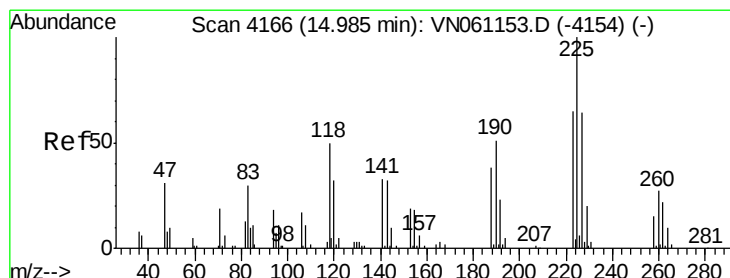
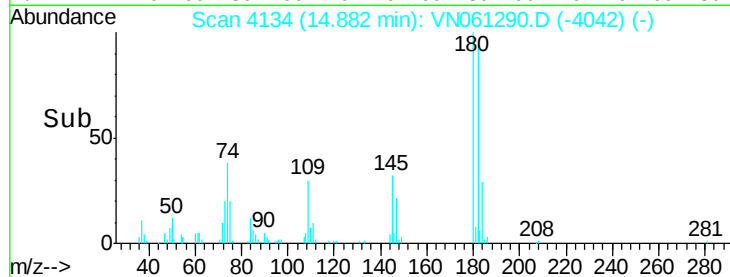
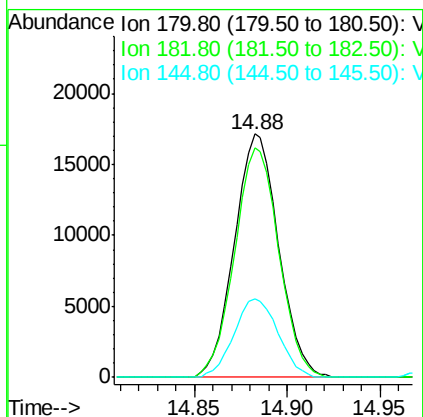
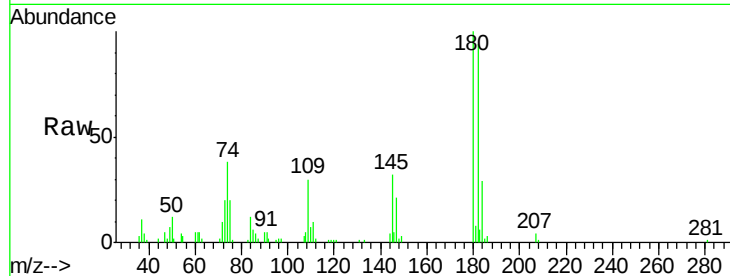




#93
 1,2,4-Trichlorobenzene
 Concen: 18.348 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

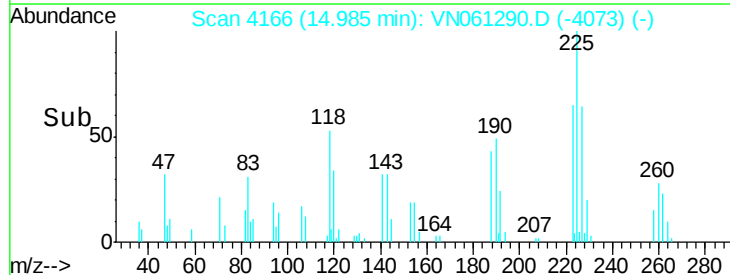
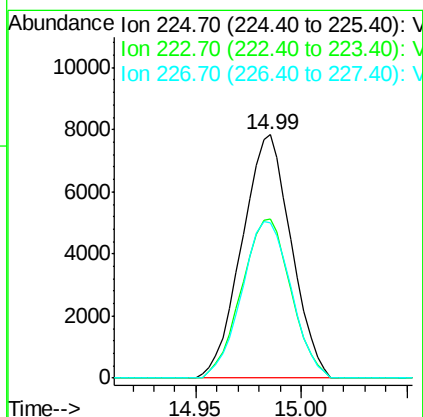
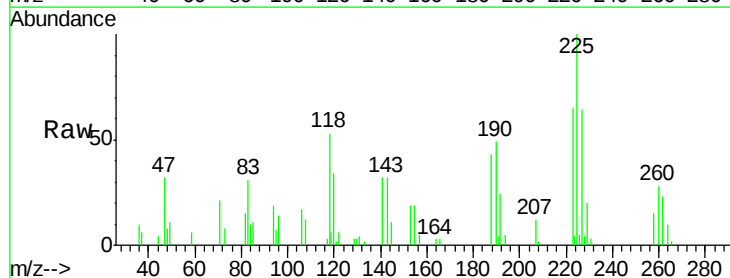
Instrument :
 MSVOA_N
 ClientSampled :

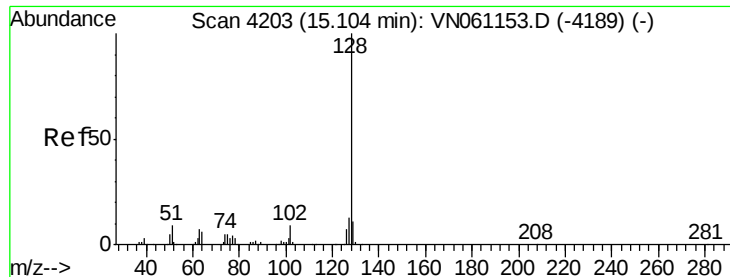
Tot Ion:180 Resp: 28325
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.3 141.9
 145 32.1 16.0 47.9



#94
 Hexachlorobutadiene
 Concen: 19.740 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061290.D
 Acq: 5 May 2020 14:32

Tgt Ion:225 Resp: 12731
 Ion Ratio Lower Upper
 225 100
 223 65.4 32.4 97.0
 227 64.4 32.4 97.0





#95

Naphthalene

Concen: 17.542 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

Instrument :

MSVOA_N

ClientSampleId :

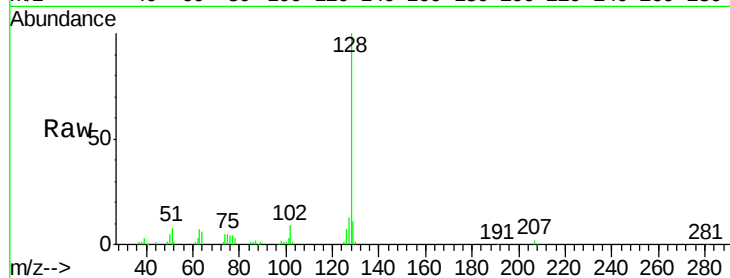
Tot Ion:128 Resp: 88191

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

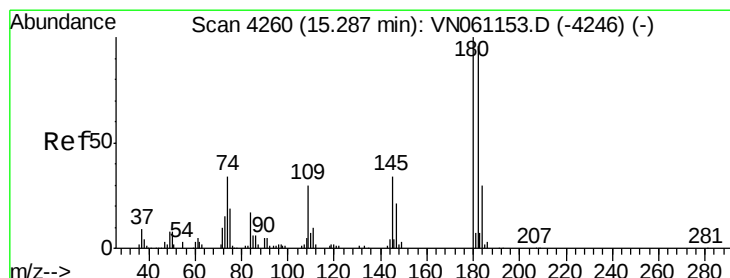
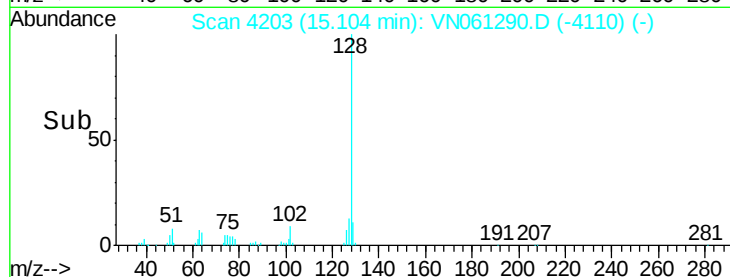
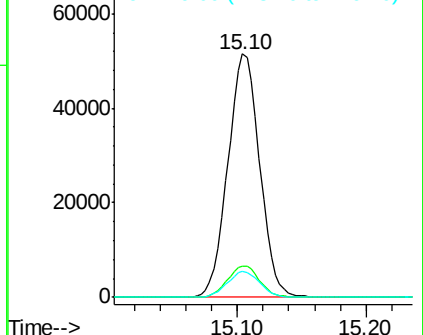
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.778 ug/l

RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061290.D

Acq: 5 May 2020 14:32

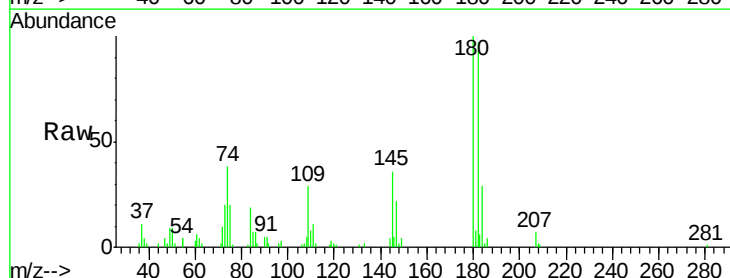
Tgt Ion:180 Resp: 27096

Ion Ratio Lower Upper

180 100

182 96.6 47.5 142.5

145 35.4 16.9 50.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

