

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061352.D
 Acq On : 8 May 2020 11:24
 Operator : JC/MD
 Sample : VN0508WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 09 00:09:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	99693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	168289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	154919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	70887	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	80843	51.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.50%	
35) Dibromofluoromethane	7.54	113	46783	47.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.02%	
50) Toluene-d8	10.06	98	208305	51.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.37	95	76996	50.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	18960	17.935	ug/l	99
3) Chloromethane	2.03	50	25596	19.991	ug/l	99
4) Vinyl Chloride	2.16	62	28120	19.337	ug/l	98
5) Bromomethane	2.53	94	12217	16.995	ug/l	98
6) Chloroethane	2.67	64	17718	19.222	ug/l	95
7) Trichlorofluoromethane	2.98	101	35870	21.863	ug/l	96
8) Diethyl Ether	3.37	74	14711	21.496	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	21290	20.142	ug/l	99
10) Methyl Iodide	3.90	142	22138	16.297	ug/l	98
11) Tert butyl alcohol	4.72	59	24228	114.655	ug/l	99
12) 1,1-Dichloroethene	3.69	96	20365	19.361	ug/l	100
13) Acrolein	3.56	56	12399	88.049	ug/l	99
14) Allyl chloride	4.27	41	43873	22.496	ug/l	98
15) Acrylonitrile	4.92	53	66543	102.584	ug/l	99
16) Acetone	3.77	43	64603	102.637	ug/l	96
17) Carbon Disulfide	4.00	76	42818	14.737	ug/l	100
18) Methyl Acetate	4.27	43	36634	18.827	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	78391	19.504	ug/l	98
20) Methylene Chloride	4.50	84	24092	19.586	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	21629	18.884	ug/l	98
22) Diisopropyl ether	5.90	45	92747	20.507	ug/l	97
23) Vinyl Acetate	5.84	43	361425	99.252	ug/l	100
24) 1,1-Dichloroethane	5.79	63	46970	19.877	ug/l	98
25) 2-Butanone	6.78	43	93626	100.303	ug/l	99
26) 2,2-Dichloropropane	6.77	77	41603	20.903	ug/l	98
27) cis-1,2-Dichloroethene	6.77	96	25729	19.142	ug/l	97
28) Bromochloromethane	7.14	49	22536	20.122	ug/l	98
29) Tetrahydrofuran	7.16	42	61990	98.588	ug/l	99
30) Chloroform	7.32	83	46581	19.452	ug/l	99
31) Cyclohexane	7.61	56	40058	17.456	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	40331	19.341	ug/l	99
36) 1,1-Dichloropropene	7.75	75	32701	19.411	ug/l	100
37) Ethyl Acetate	6.87	43	38892	19.692	ug/l	99
38) Carbon Tetrachloride	7.73	117	29178	20.402	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	31954	16.913	ug/l	99
40) Benzene	8.00	78	99150	19.755	ug/l	100
41) Methacrylonitrile	7.12	41	15600	19.024	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	39705	20.882	ug/l	99
43) Isopropyl Acetate	8.12	43	64551	19.694	ug/l #	91
44) Trichloroethene	8.80	130	24961	18.397	ug/l	97
45) 1,2-Dichloropropane	9.08	63	26904	20.065	ug/l	99
46) Dibromomethane	9.17	93	16945	20.410	ug/l	99
47) Bromodichloromethane	9.37	83	37281	20.921	ug/l	98
48) Methyl methacrylate	9.17	41	29433	19.900	ug/l	98
49) 1,4-Dioxane	9.16	88	8577	510.864	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	197998	102.627	ug/l	99
52) Toluene	10.12	92	59603	19.716	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	40026	19.934	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	42737	20.133	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	23969	19.878	ug/l	98
56) Ethyl methacrylate	10.40	69	36268	19.046	ug/l	99
57) 1,3-Dichloropropane	10.68	76	43184	20.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	90633	92.857	ug/l	99
59) 2-Hexanone	10.72	43	140108	99.820	ug/l	99
60) Dibromochloromethane	10.87	129	25373	20.091	ug/l	98
61) 1,2-Dibromoethane	10.98	107	24227	20.046	ug/l	99
64) Tetrachloroethene	10.60	164	24003	17.889	ug/l	99
65) Chlorobenzene	11.41	112	60689	19.749	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	22695	20.634	ug/l	99
67) Ethyl Benzene	11.48	91	112492	19.554	ug/l	99
68) m/p-Xylenes	11.60	106	82326	39.097	ug/l	96
69) o-Xylene	11.92	106	37753	18.665	ug/l	95
70) Styrene	11.94	104	65163	19.249	ug/l	98
71) Bromoform	12.10	173	16111	19.931	ug/l #	98
73) Isopropylbenzene	12.22	105	105264	20.199	ug/l	99
74) N-amyl acetate	12.04	43	52683	19.964	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	35163	21.640	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	47505	31.787	ug/l #	100
77) Bromobenzene	12.50	156	24670	20.507	ug/l	96
78) n-propylbenzene	12.56	91	125911	20.370	ug/l	99
79) 2-Chlorotoluene	12.65	91	74321	20.457	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	87935	20.388	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	11962	20.326	ug/l	95
82) 4-Chlorotoluene	12.75	91	79559	20.777	ug/l	99
83) tert-Butylbenzene	12.97	119	71325	19.612	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	88572	19.932	ug/l	100
85) sec-Butylbenzene	13.15	105	95093	19.178	ug/l	100
86) p-Isopropyltoluene	13.26	119	84745	18.969	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	44470	20.080	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	45251	19.998	ug/l	99
89) n-Butylbenzene	13.59	91	74956	18.302	ug/l	98
90) Hexachloroethane	13.85	117	11261	28.106	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	43193	20.341	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	6865	20.004	ug/l	98

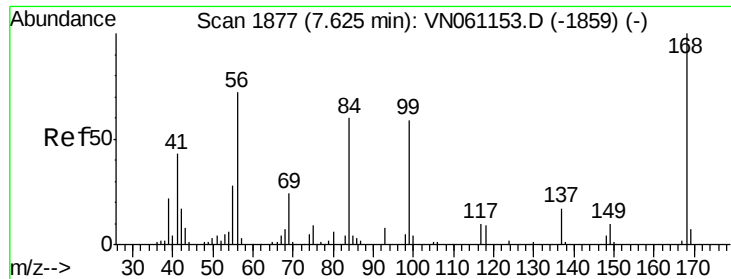
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	23083	17.851	ug/l	98
94) Hexachlorobutadiene	14.98	225	10692	19.793	ug/l	98
95) Naphthalene	15.11	128	71025	16.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	22905	17.942	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

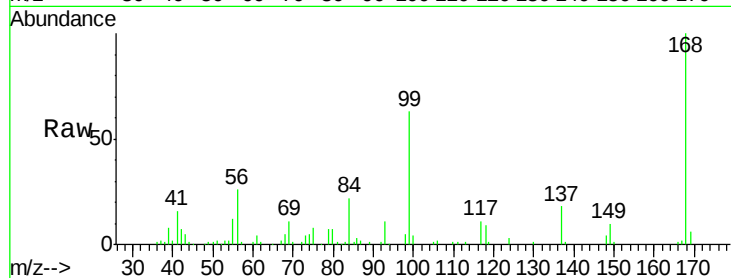
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Tot Ion:168 Resp: 99693

Ion Ratio Lower Upper

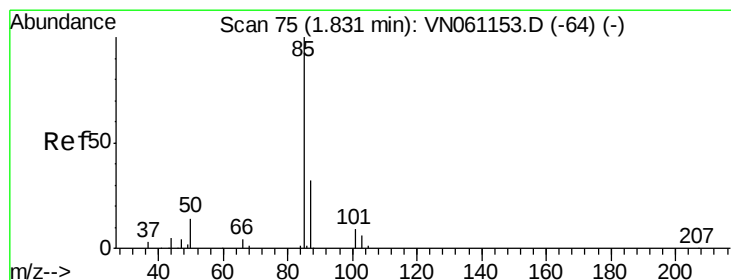
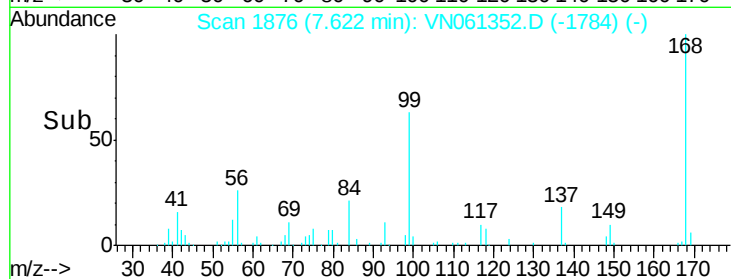
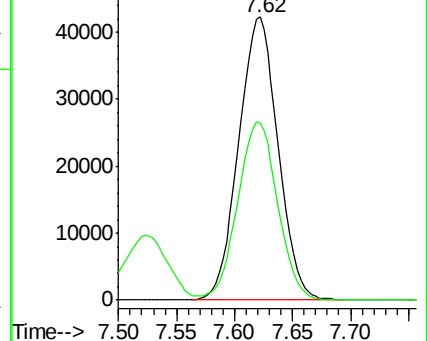
168 100

99 62.6 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.935 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061352.D

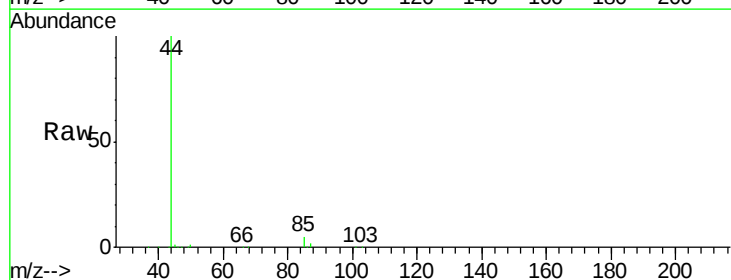
Acq: 8 May 2020 11:24

Tgt Ion: 85 Resp: 18960

Ion Ratio Lower Upper

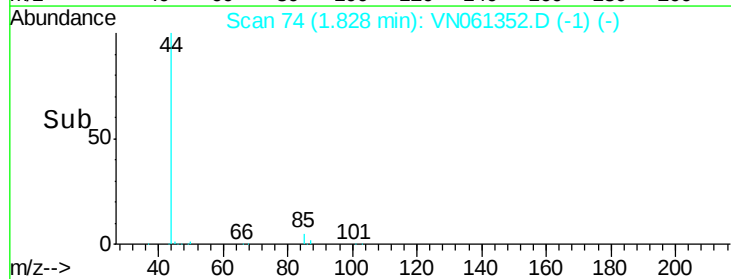
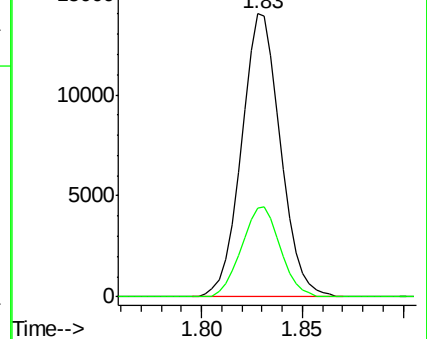
85 100

87 31.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.991 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

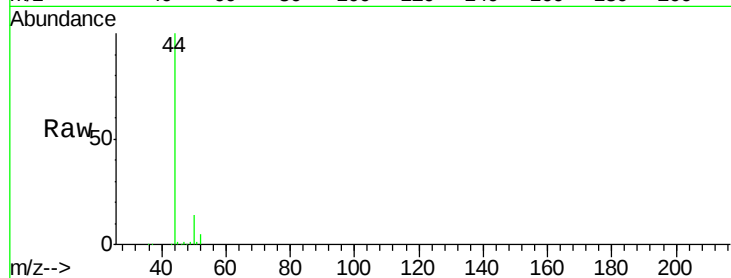
ClientSampleId :

Tot Ion: 50 Resp: 25596

Ion Ratio Lower Upper

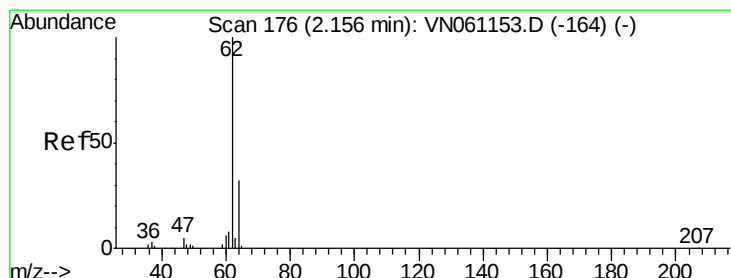
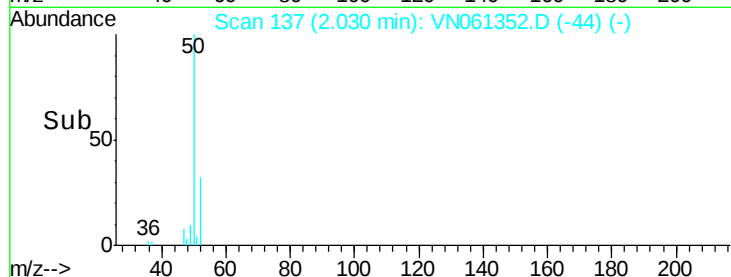
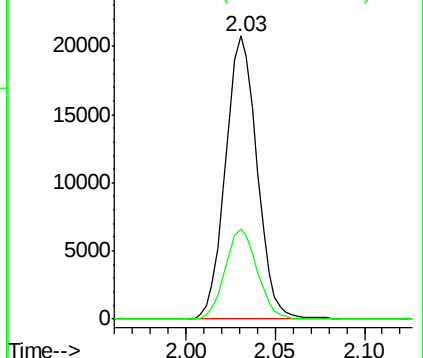
50 100

52 32.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.337 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061352.D

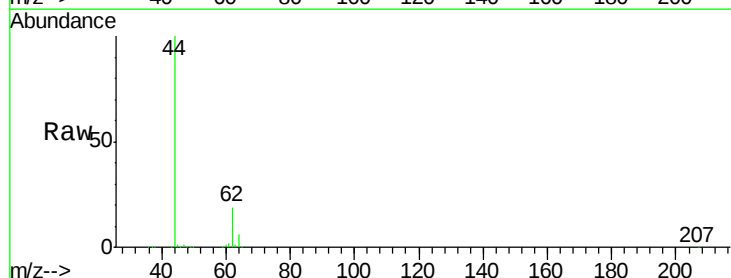
Acq: 8 May 2020 11:24

Tgt Ion: 62 Resp: 28120

Ion Ratio Lower Upper

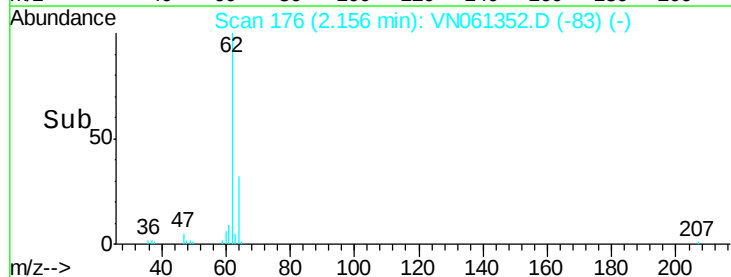
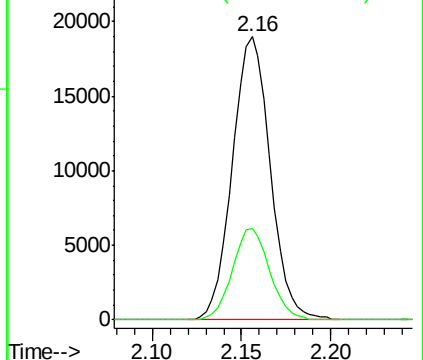
62 100

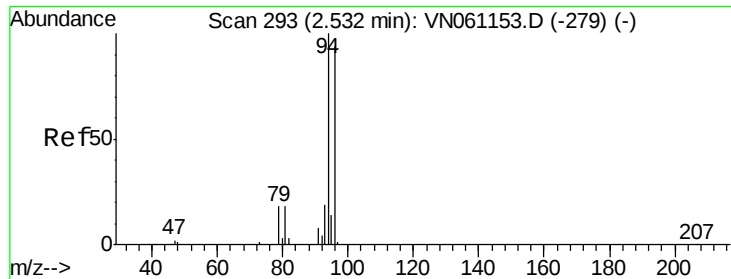
64 32.5 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 16.995 ug/l

RT: 2.53 min Scan# 293

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

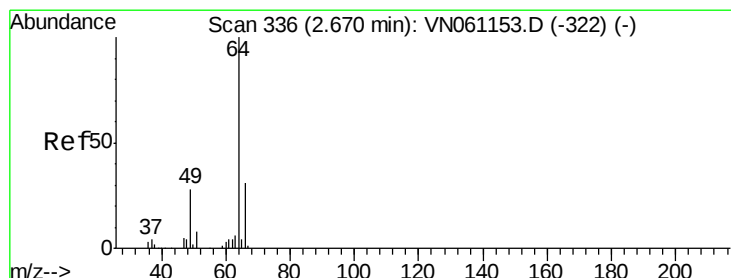
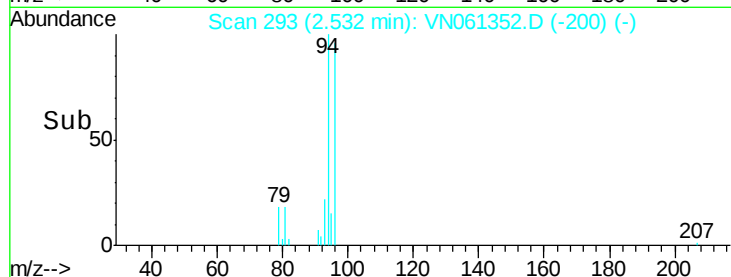
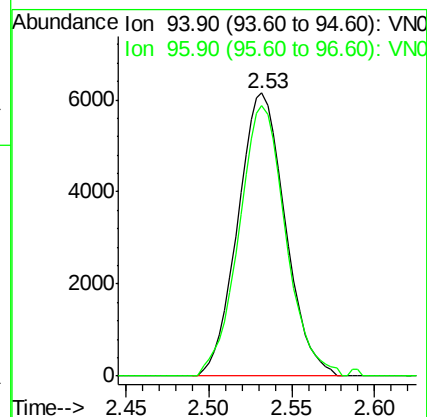
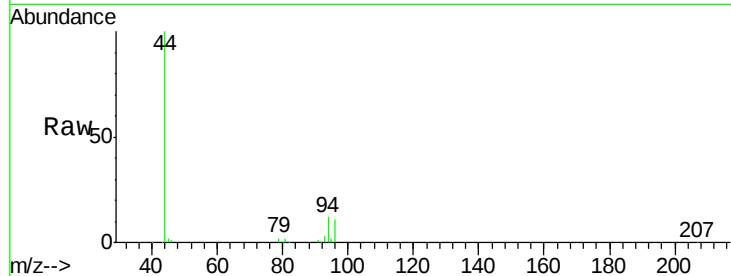
ClientSampled :

Tot Ion: 94 Resp: 12217

Ion Ratio Lower Upper

94 100

96 95.8 75.1 112.7



#6

Chloroethane

Concen: 19.222 ug/l

RT: 2.67 min Scan# 335

Delta R.T. -0.00 min

Lab File: VN061352.D

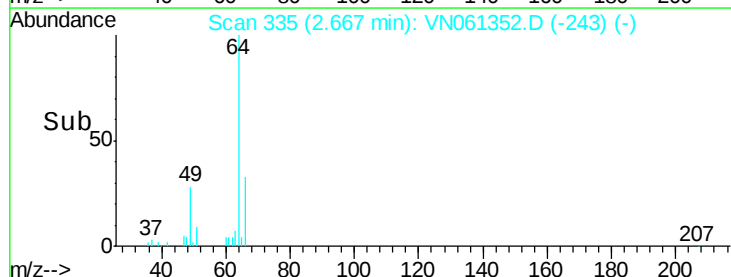
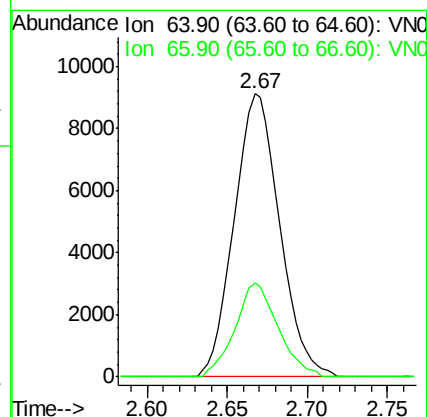
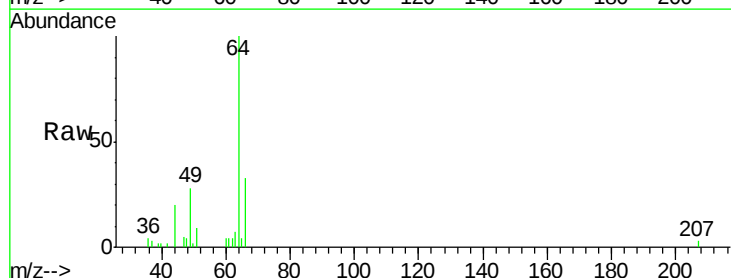
Acq: 8 May 2020 11:24

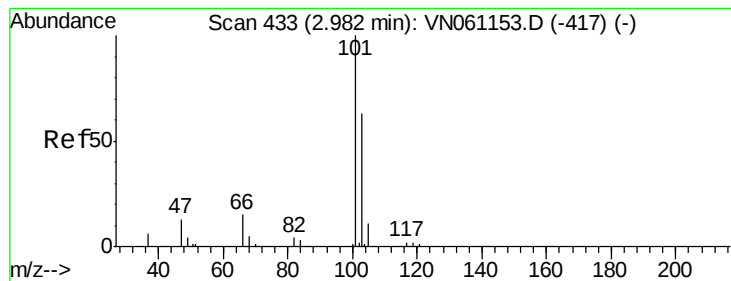
Tgt Ion: 64 Resp: 17718

Ion Ratio Lower Upper

64 100

66 33.3 24.6 36.8



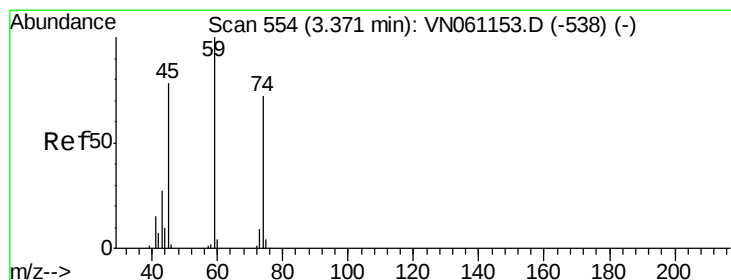
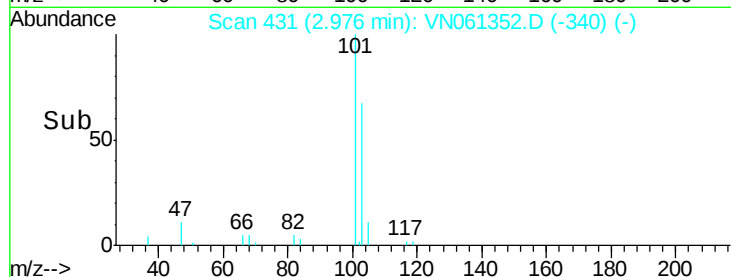
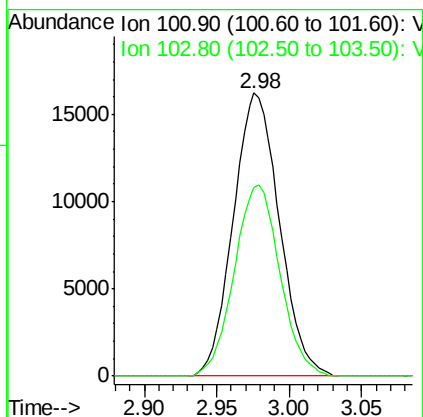
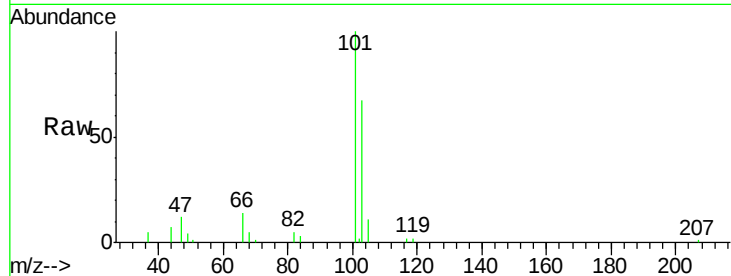


#7

Trichlorofluoromethane
 Concen: 21.863 ug/l
 RT: 2.98 min Scan# 431
 Delta R.T. -0.01 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Instrument :
 MSVOA_N
 ClientSampled :

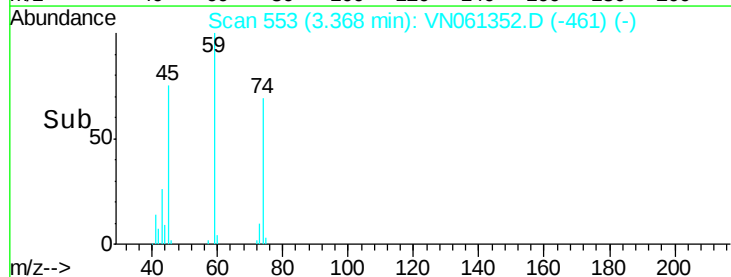
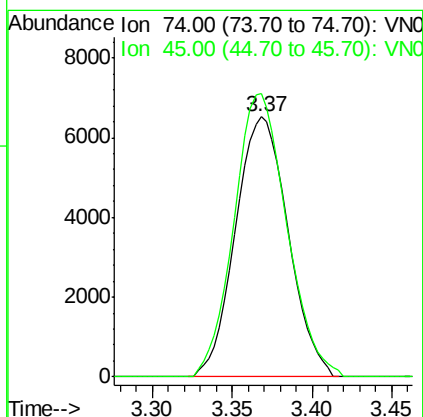
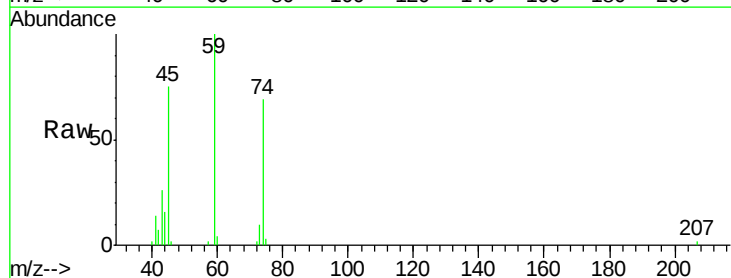
Tot Ion:101 Resp: 35870
 Ion Ratio Lower Upper
 101 100
 103 66.7 50.6 76.0



#8

Diethyl Ether
 Concen: 21.496 ug/l
 RT: 3.37 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion: 74 Resp: 14711
 Ion Ratio Lower Upper
 74 100
 45 109.0 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.142 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

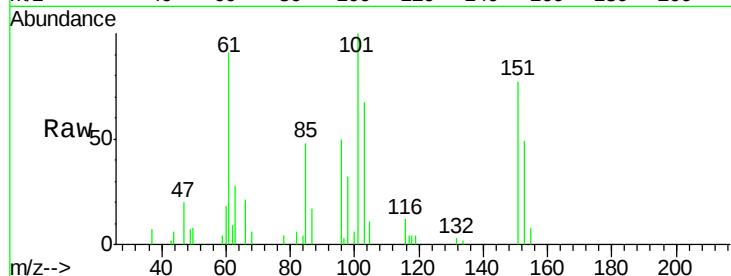
Tot Ion:101 Resp: 21290

Ion Ratio Lower Upper

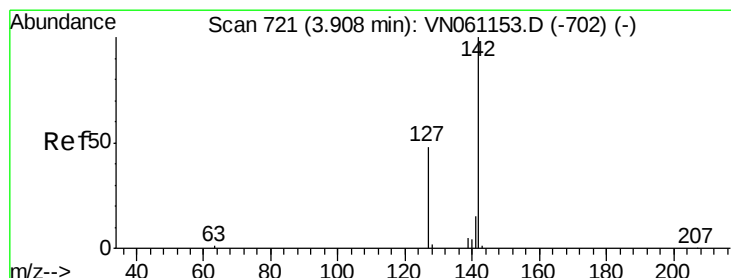
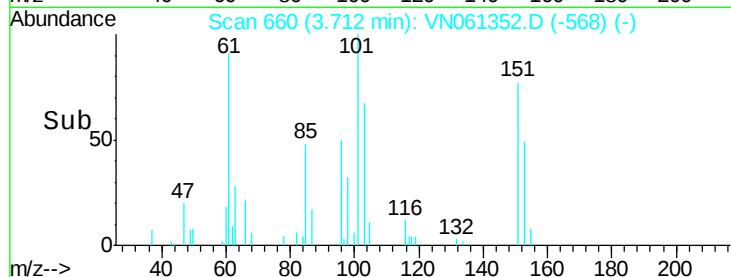
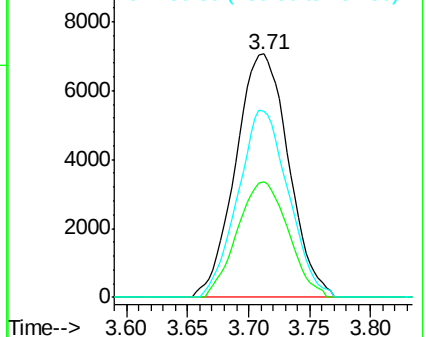
101 100

85 45.7 37.2 55.8

151 73.5 57.7 86.5



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



#10

Methyl Iodide

Concen: 16.297 ug/l

RT: 3.90 min Scan# 720

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

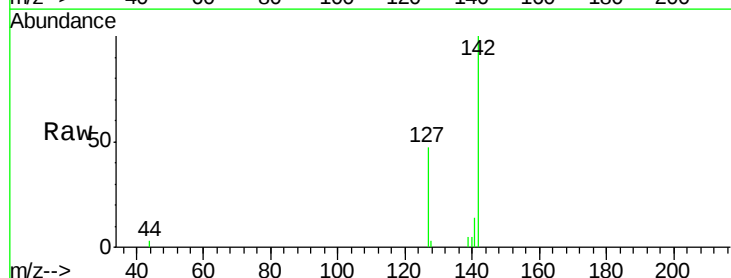
Tgt Ion:142 Resp: 22138

Ion Ratio Lower Upper

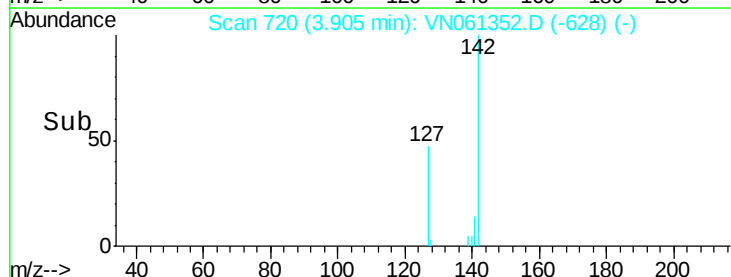
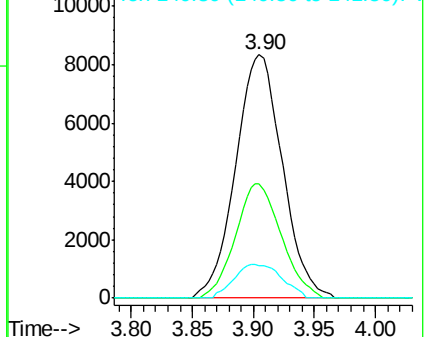
142 100

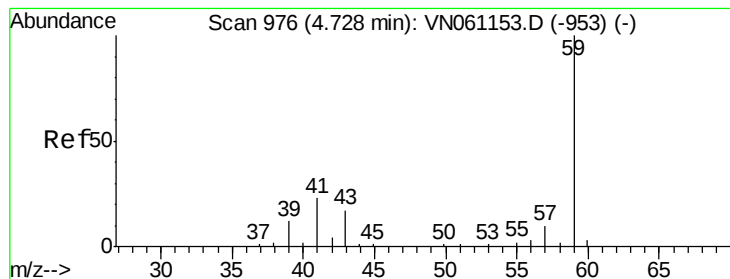
127 46.1 38.0 57.0

141 14.1 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



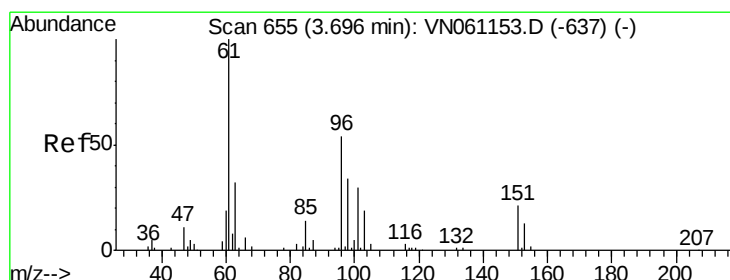
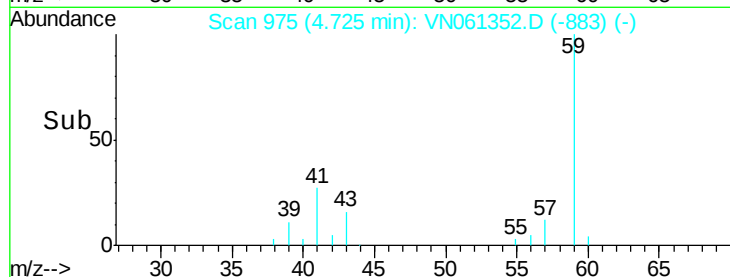
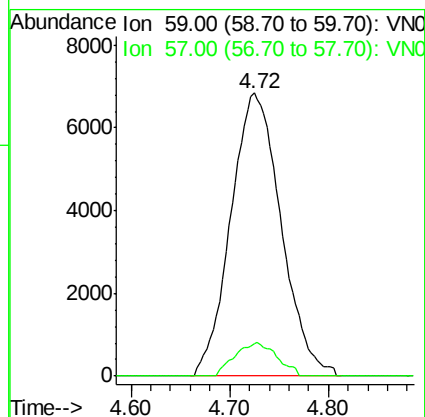
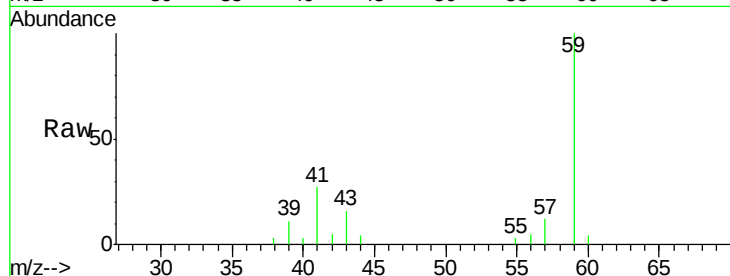


#11

Tert butyl alcohol
Concen: 114.655 ug/l
RT: 4.72 min Scan# 975
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :

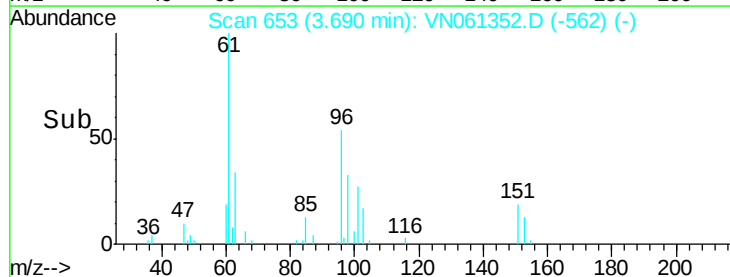
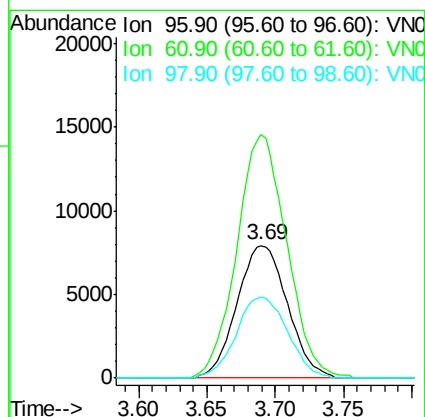
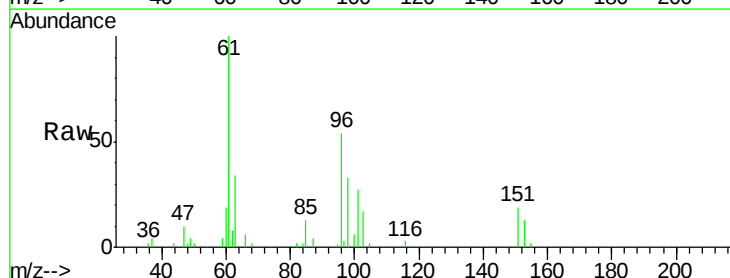
Tot Ion: 59 Resp: 24228
Ion Ratio Lower Upper
59 100
57 9.9 8.3 12.5

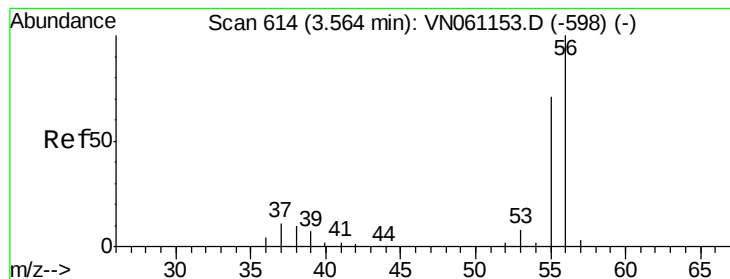


#12

1,1-Dichloroethene
Concen: 19.361 ug/l
RT: 3.69 min Scan# 653
Delta R.T. -0.01 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion: 96 Resp: 20365
Ion Ratio Lower Upper
96 100
61 184.1 147.0 220.6
98 61.3 49.8 74.6





#13

Acrolein

Concen: 88.049 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

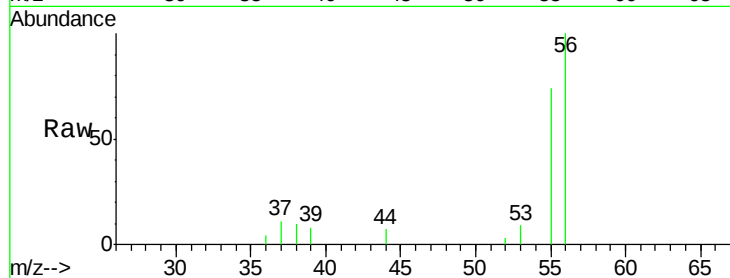
ClientSampled :

Tot Ion: 56 Resp: 12399

Ion Ratio Lower Upper

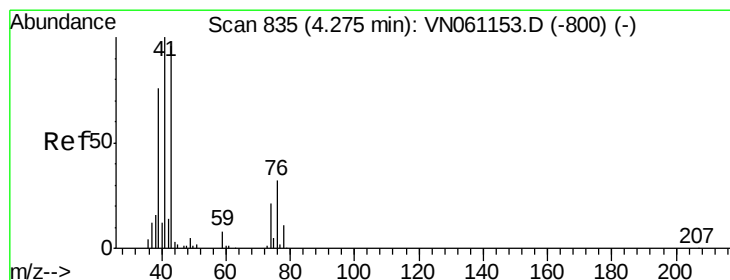
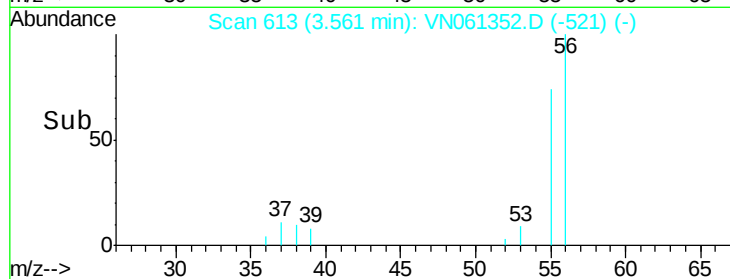
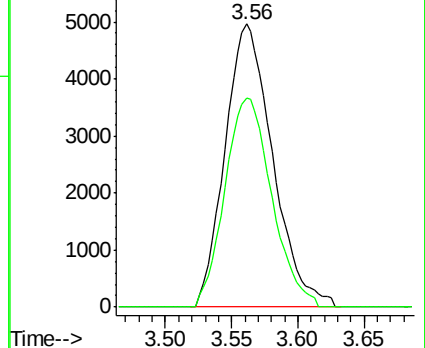
56 100

55 72.6 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 22.496 ug/l

RT: 4.27 min Scan# 833

Delta R.T. -0.01 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

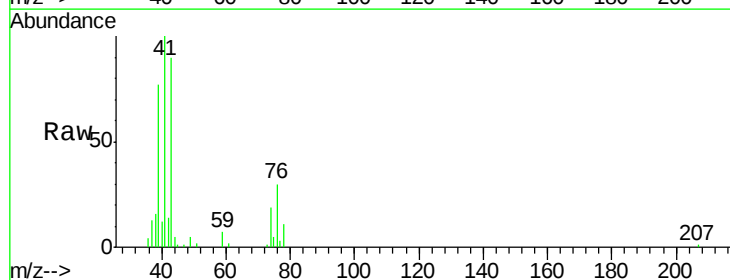
Tgt Ion: 41 Resp: 43873

Ion Ratio Lower Upper

41 100

39 71.0 57.1 85.7

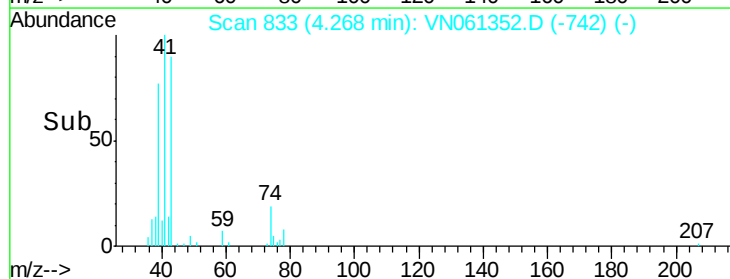
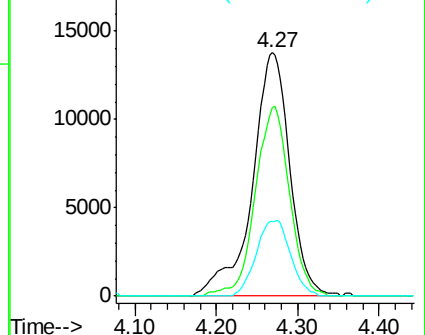
76 28.2 24.3 36.5

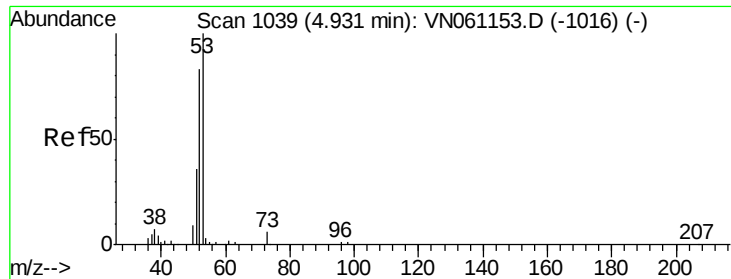


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

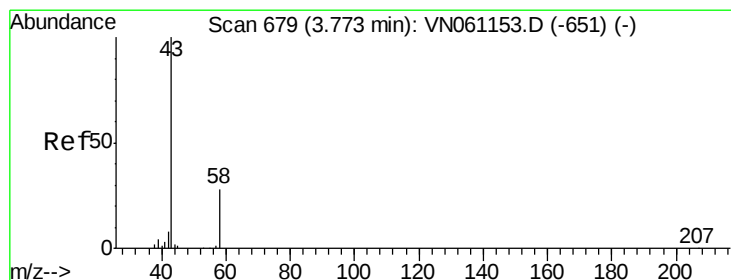
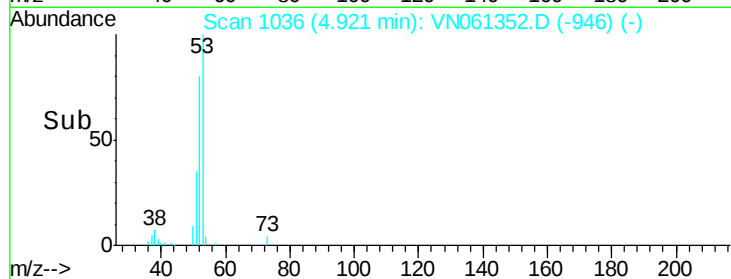
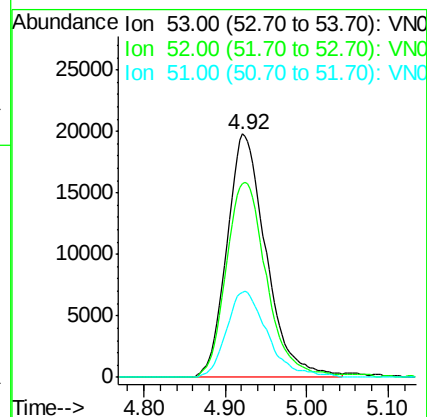
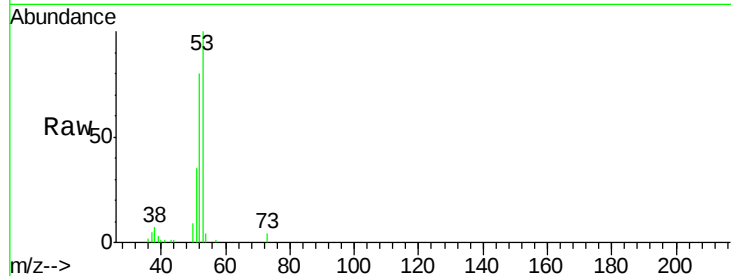




#15
 Acrylonitrile
 Concen: 102.584 ug/l
 RT: 4.92 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

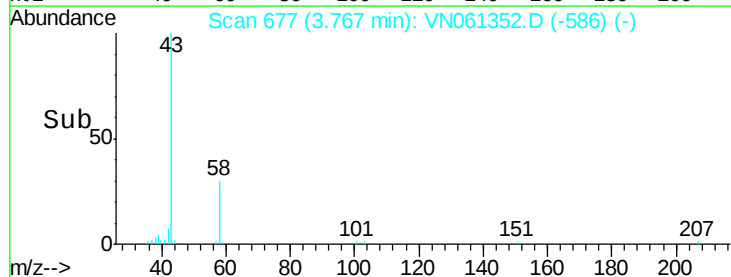
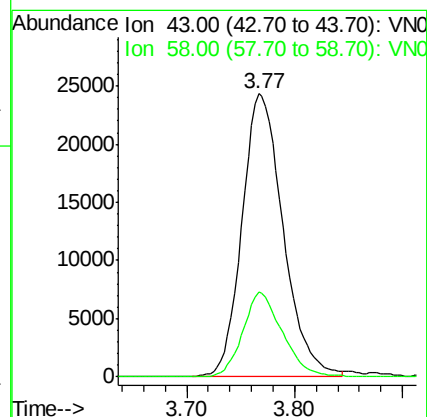
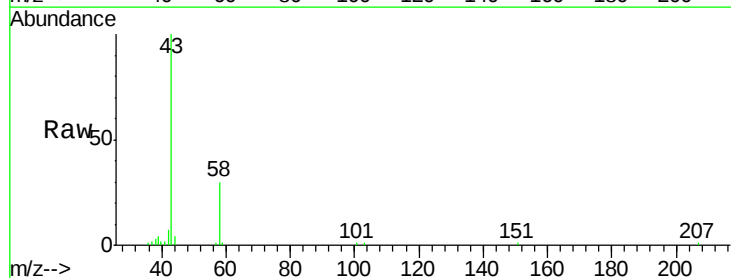
Instrument :
 MSVOA_N
 ClientSampled :

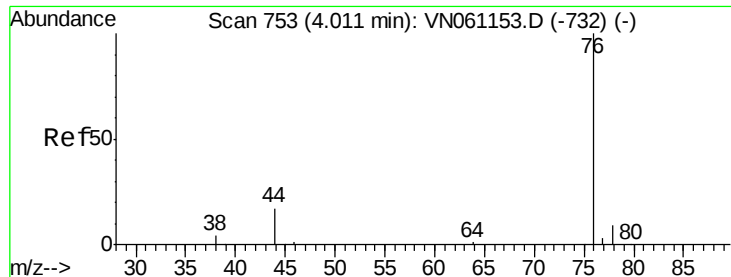
Tot Ion	53	Resp	66543
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.4	98.0
51	37.1	29.5	44.3



#16
 Acetone
 Concen: 102.637 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion	43	Resp	64603
Ion	Ratio	Lower	Upper
43	100		
58	29.9	22.2	33.2

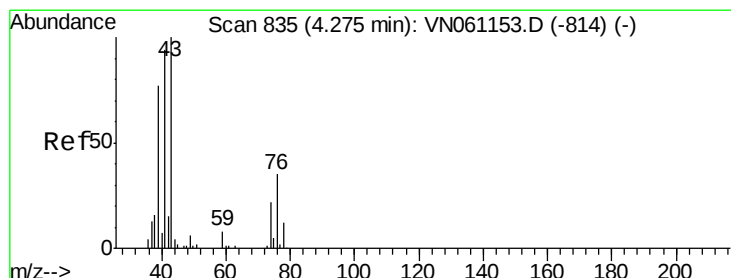
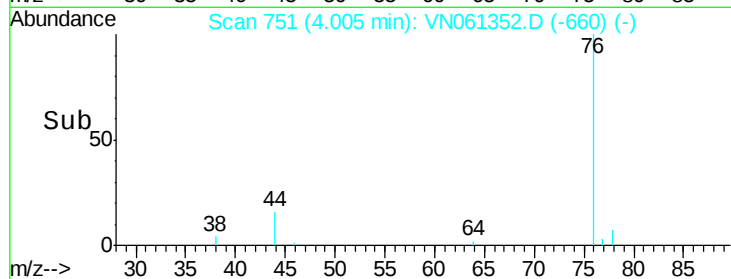
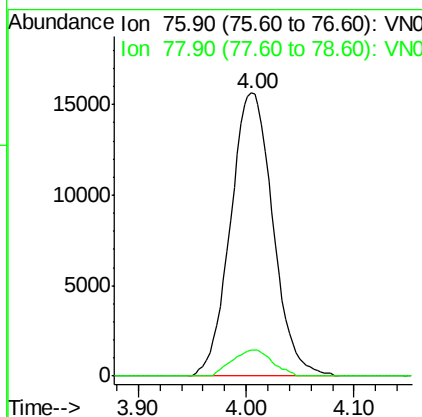
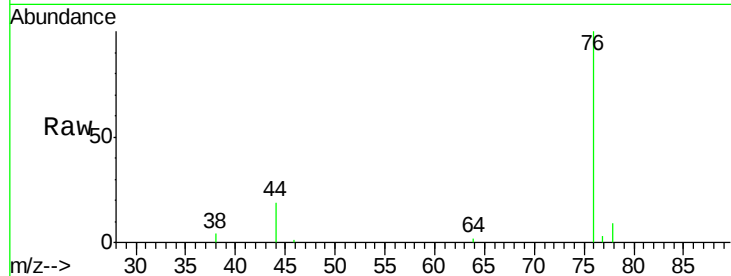




#17
Carbon Disulfide
Concen: 14.737 ug/l
RT: 4.00 min Scan# 751
Delta R.T. -0.01 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

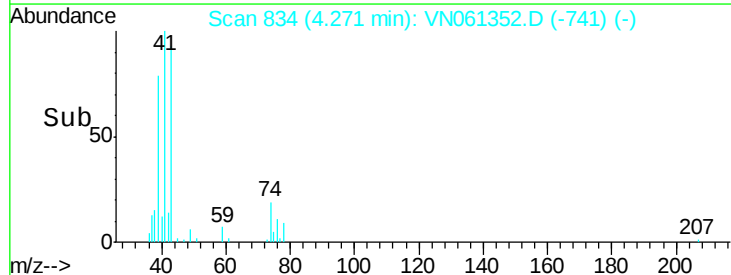
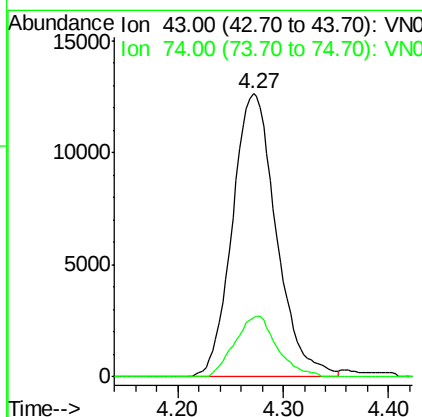
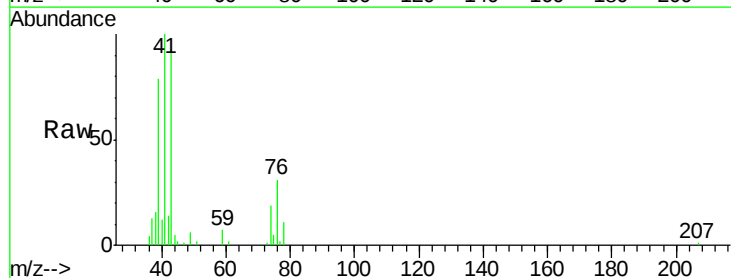
Instrument :
MSVOA_N
ClientSampleId :

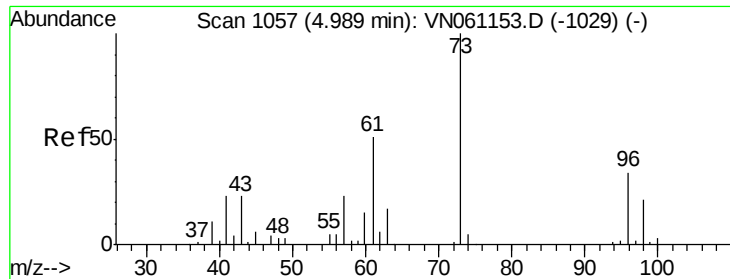
Tot Ion: 76 Resp: 42818
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 18.827 ug/l
RT: 4.27 min Scan# 834
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion: 43 Resp: 36634
Ion Ratio Lower Upper
43 100
74 20.6 17.0 25.4

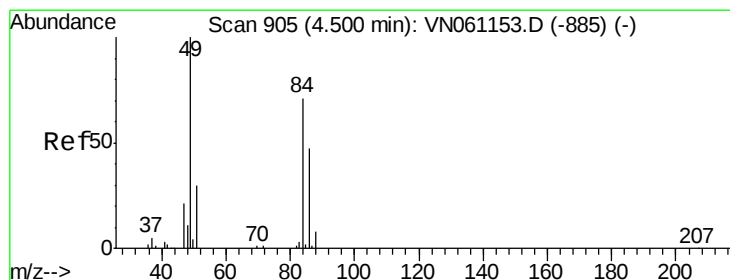
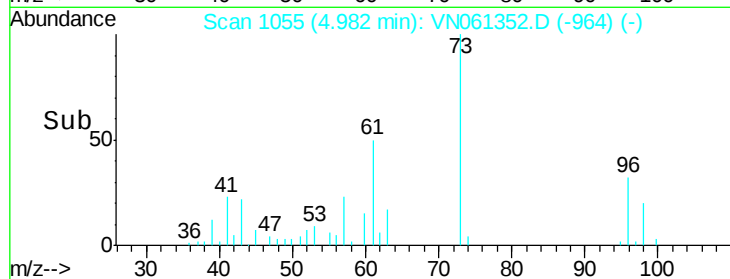
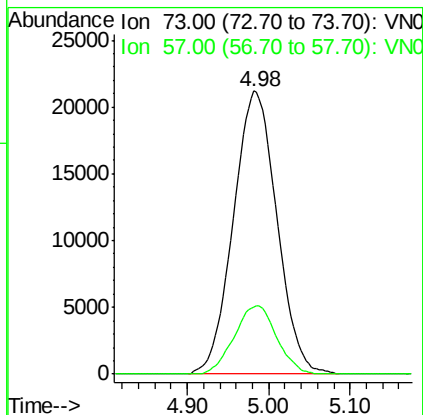
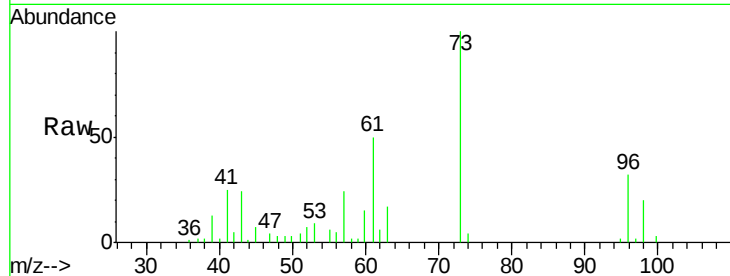




#19
Methyl tert-butyl Ether
Concen: 19.504 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

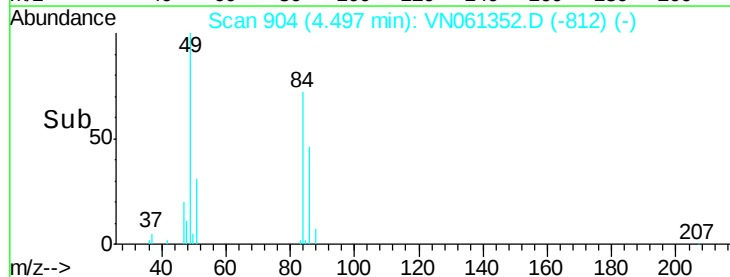
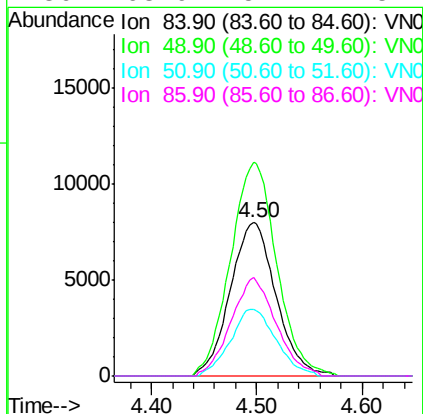
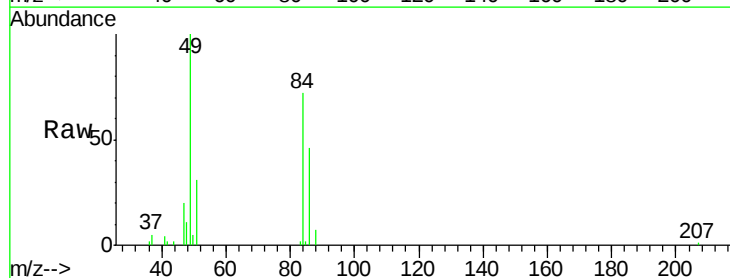
Instrument :
MSVOA_N
ClientSampled :

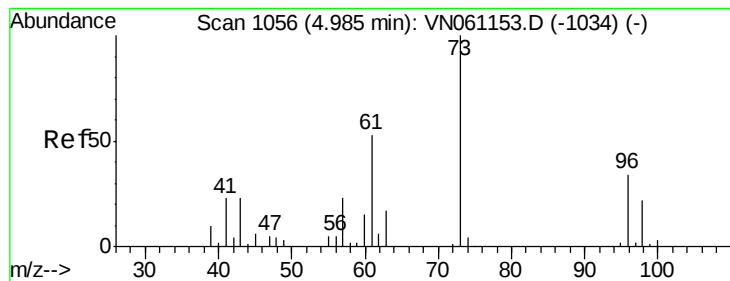
Tot Ion: 73 Resp: 78391
Ion Ratio Lower Upper
73 100
57 23.9 18.3 27.5



#20
Methylene Chloride
Concen: 19.586 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion: 84 Resp: 24092
Ion Ratio Lower Upper
84 100
49 139.2 112.0 168.0
51 43.3 33.6 50.4
86 63.9 52.1 78.1



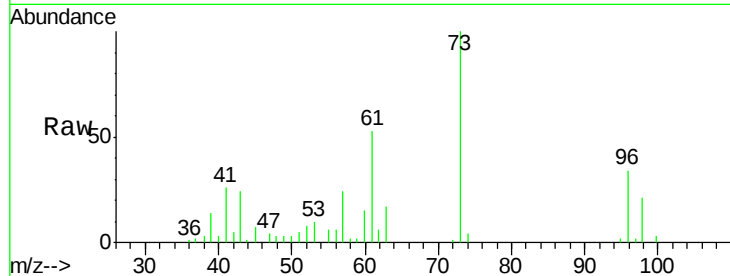


#21

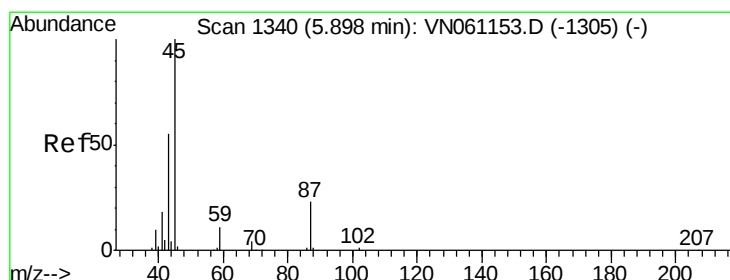
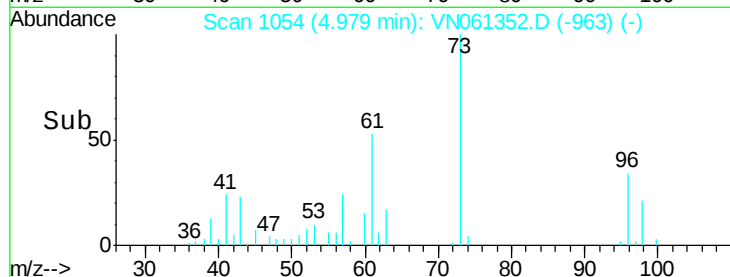
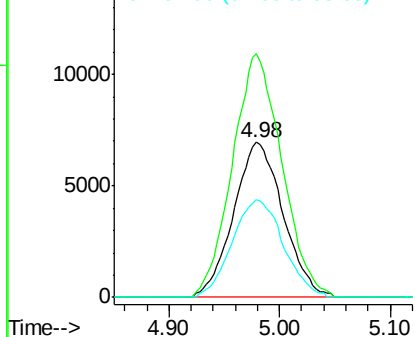
trans-1,2-Dichloroethene
Concen: 18.884 ug/l
RT: 4.98 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 21629
Ion Ratio Lower Upper
96 100
61 157.0 123.0 184.4
98 62.7 50.1 75.1



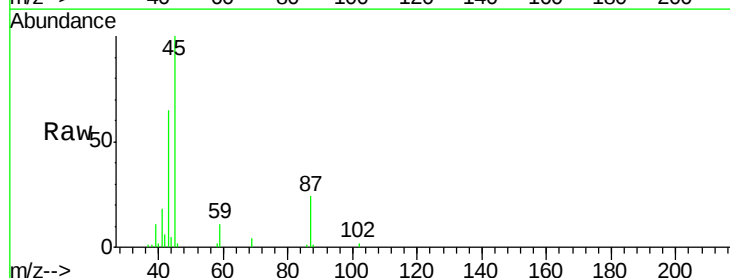
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



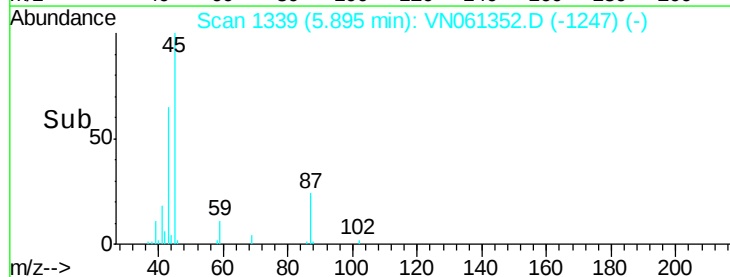
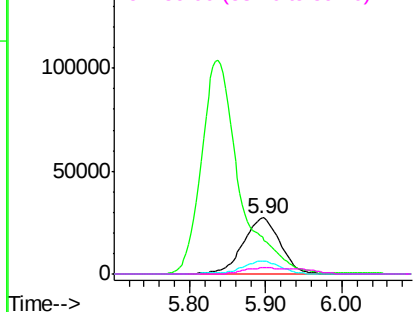
#22

Diisopropyl ether
Concen: 20.507 ug/l
RT: 5.90 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion: 45 Resp: 92747
Ion Ratio Lower Upper
45 100
43 63.0 47.9 71.9
87 23.5 19.2 28.8
59 10.7 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

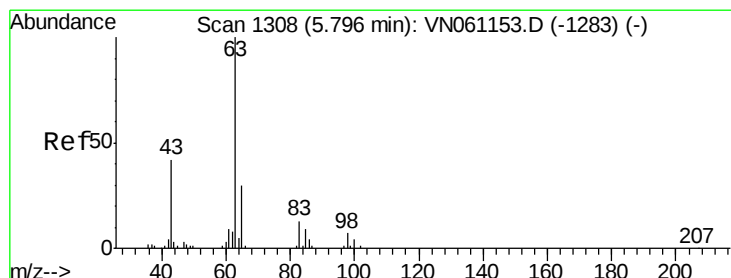
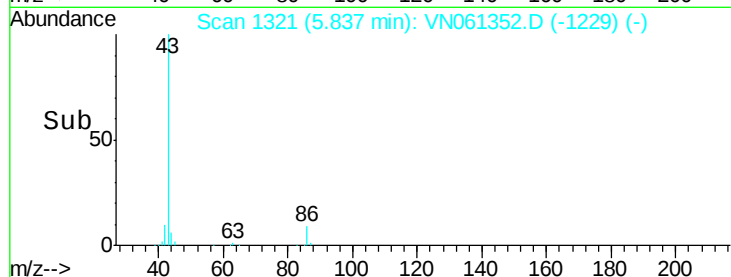
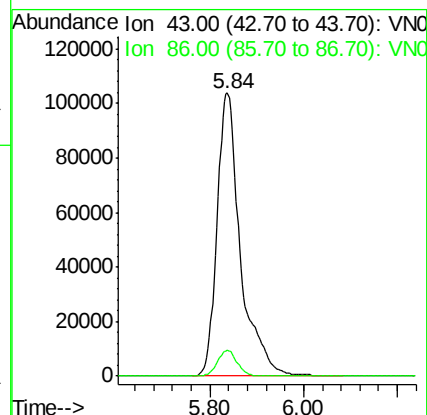
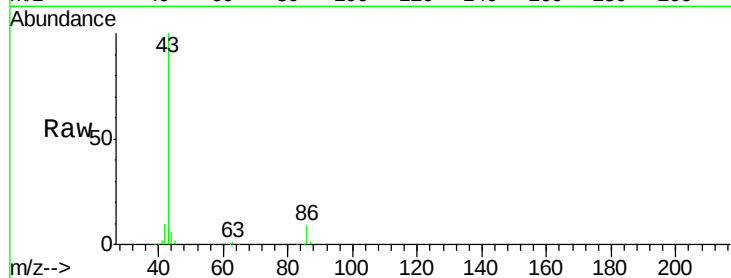




#23
 Vinyl Acetate
 Concen: 99.252 ug/l
 RT: 5.84 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

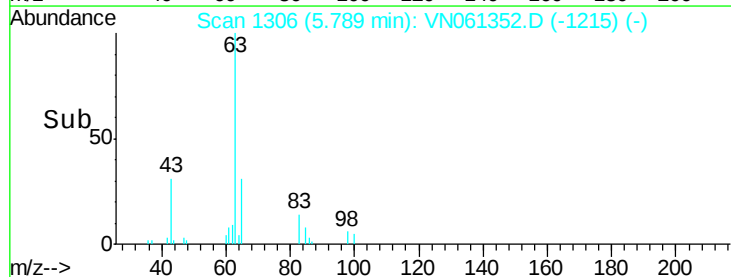
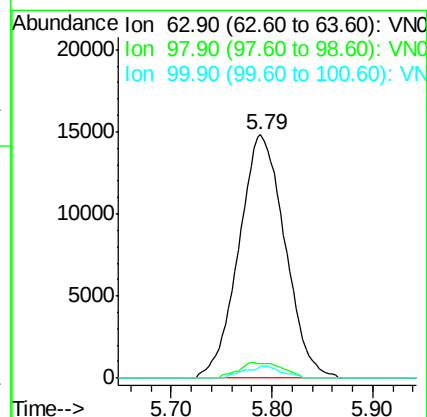
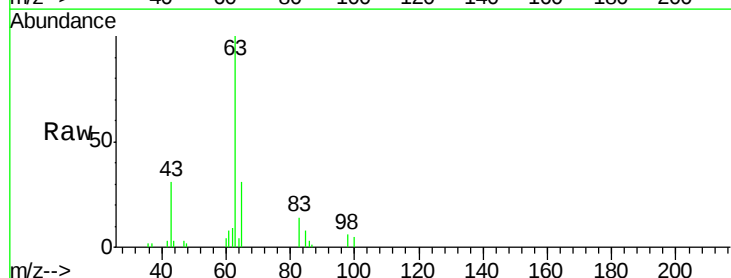
Instrument :
 MSVOA_N
 ClientSampleId :

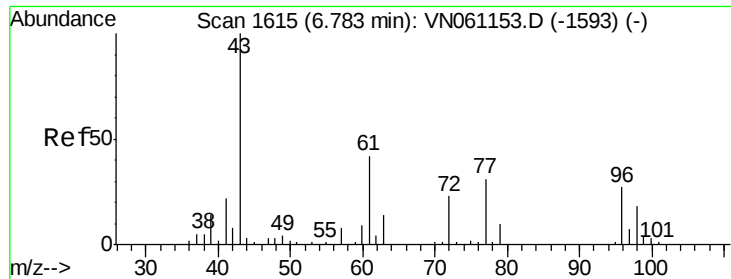
Tot Ion: 43 Resp: 361425
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 19.877 ug/l
 RT: 5.79 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion: 63 Resp: 46970
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.3 9.9
 100 4.8 1.9 5.7





#25

2-Butanone

Concen: 100.303 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

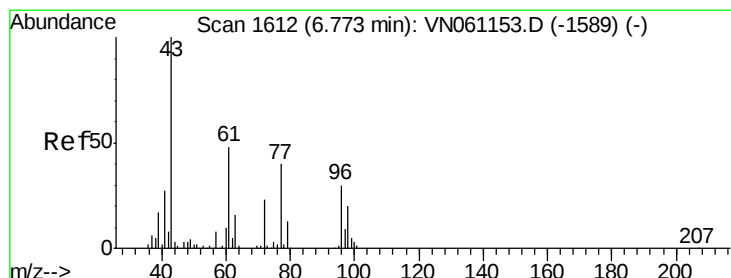
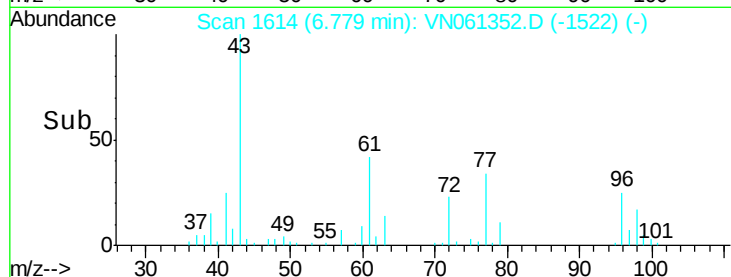
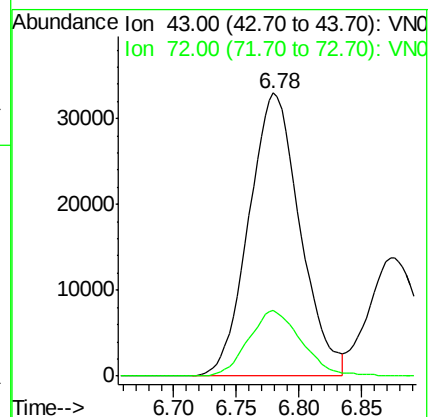
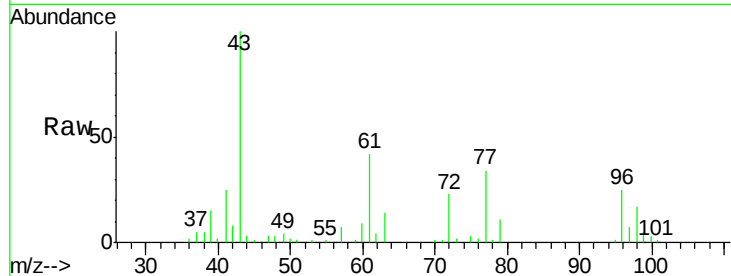
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 93626

Ion Ratio Lower Upper

43 100

72 23.0 18.2 27.4



#26

2,2-Dichloropropane

Concen: 20.903 ug/l

RT: 6.77 min Scan# 1610

Delta R.T. -0.01 min

Lab File: VN061352.D

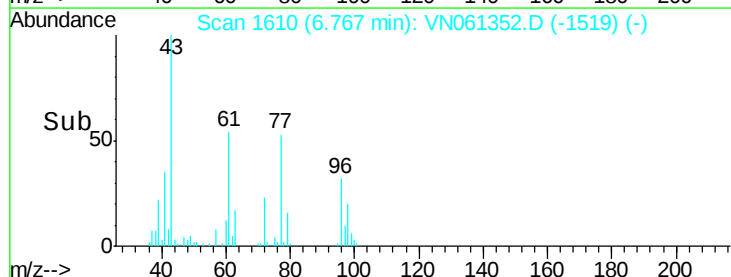
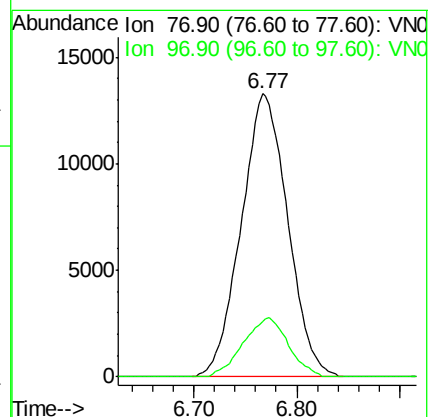
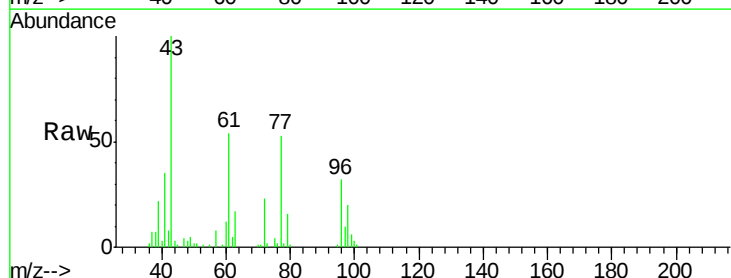
Acq: 8 May 2020 11:24

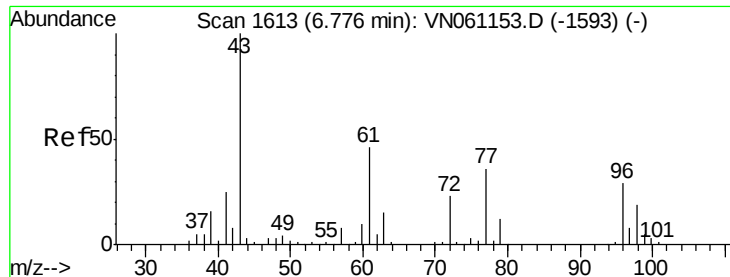
Tgt Ion: 77 Resp: 41603

Ion Ratio Lower Upper

77 100

97 20.3 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 19.142 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. -0.00 min

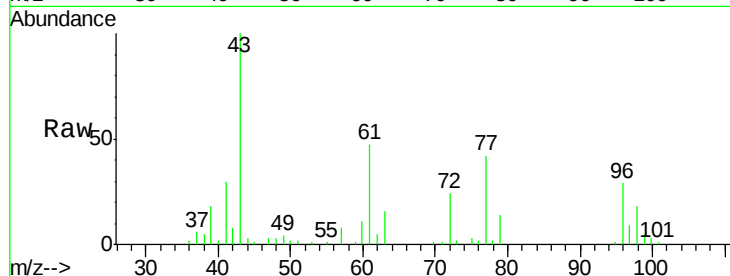
Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 25729

Ion	Ratio	Lower	Upper
96	100		
61	166.3	0.0	322.0
98	64.7	0.0	129.6

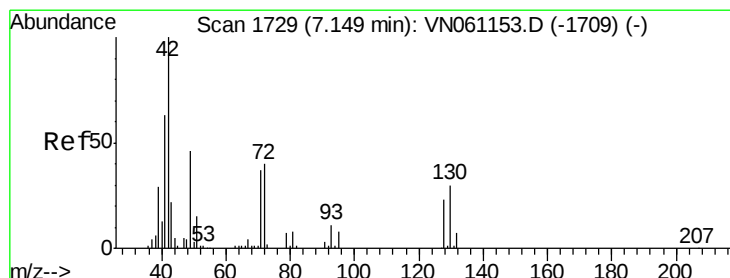
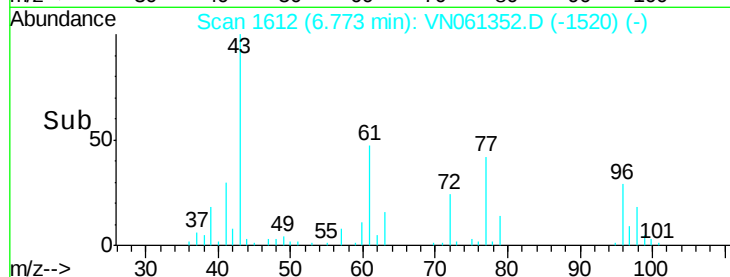
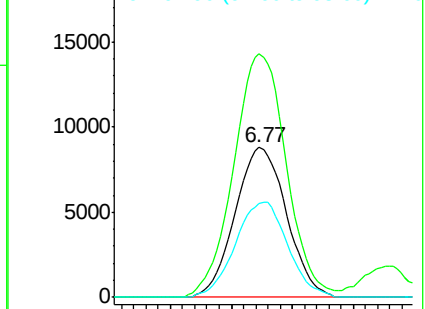


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.122 ug/l

RT: 7.14 min Scan# 1727

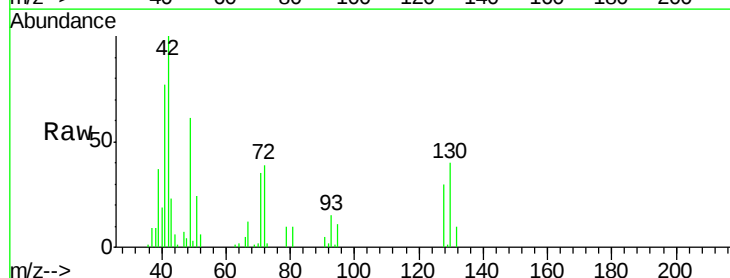
Delta R.T. -0.01 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Tgt Ion: 49 Resp: 22536

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.0
130	63.1	51.4	77.2

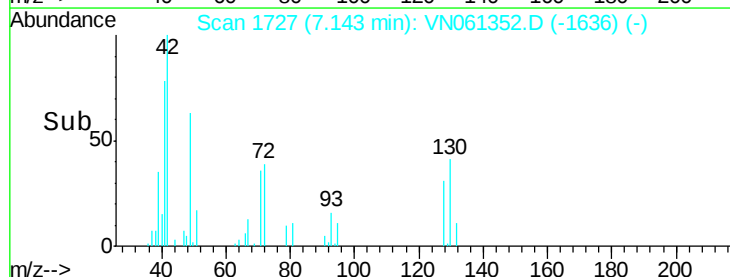
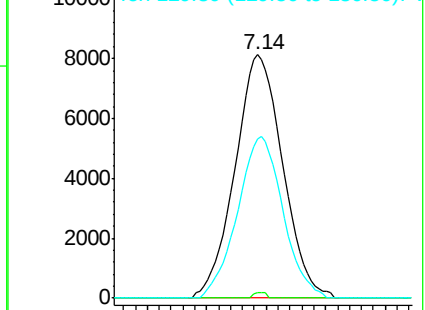


Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN0

Ion 129.80 (129.50 to 130.50): VN0

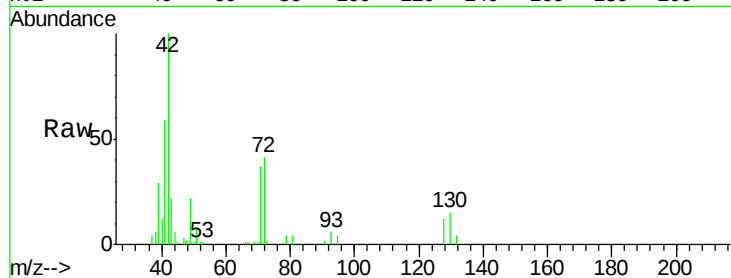




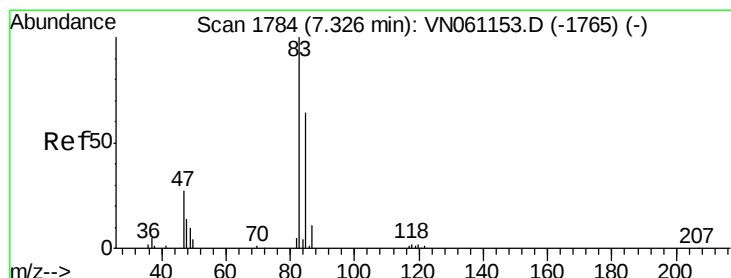
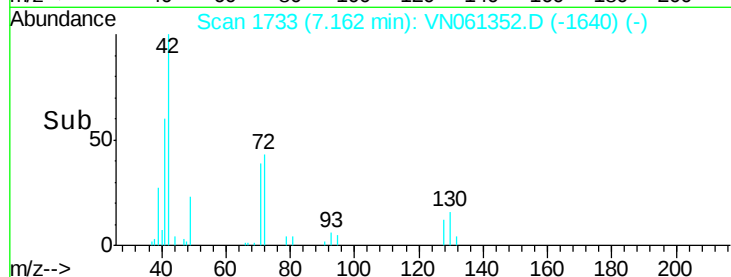
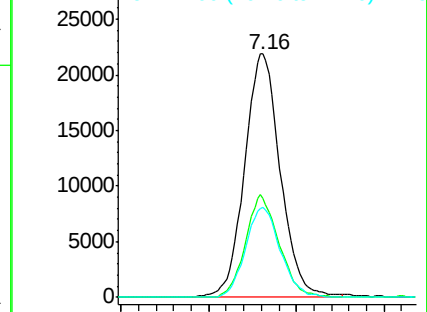
#29
Tetrahydrofuran
Concen: 98.588 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 61990
Ion Ratio Lower Upper
42 100
72 39.3 31.4 47.0
71 35.9 29.5 44.3

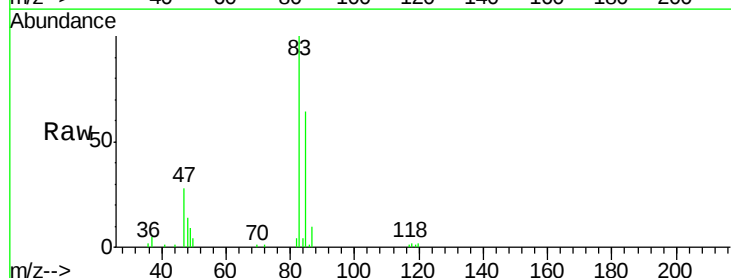


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

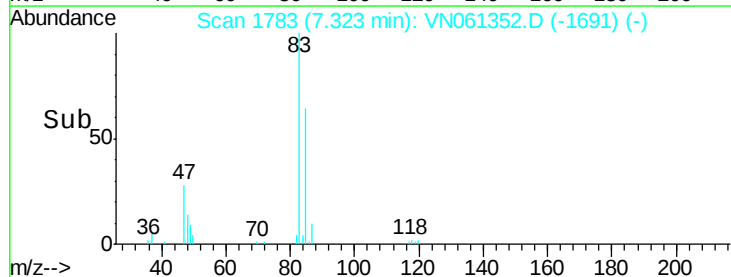
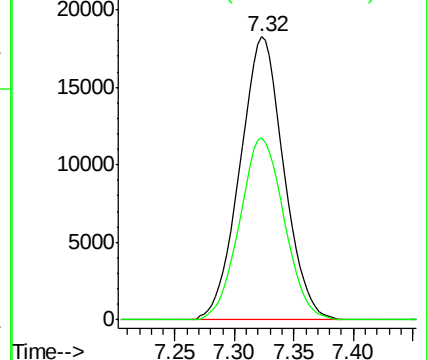


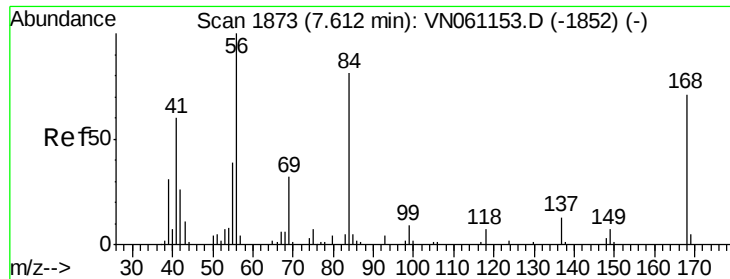
#30
Chloroform
Concen: 19.452 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion: 83 Resp: 46581
Ion Ratio Lower Upper
83 100
85 64.3 51.1 76.7



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

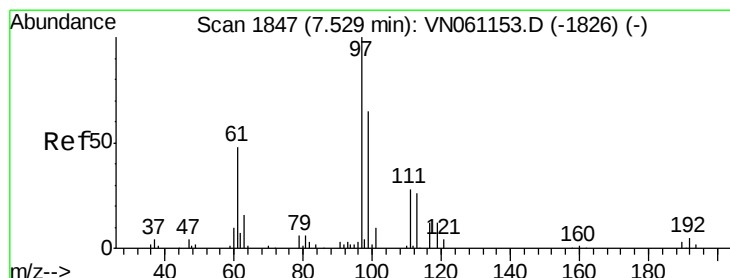
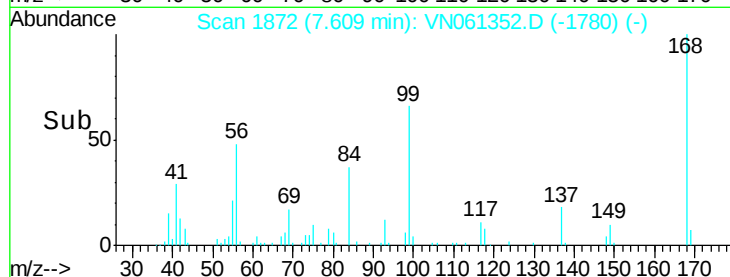
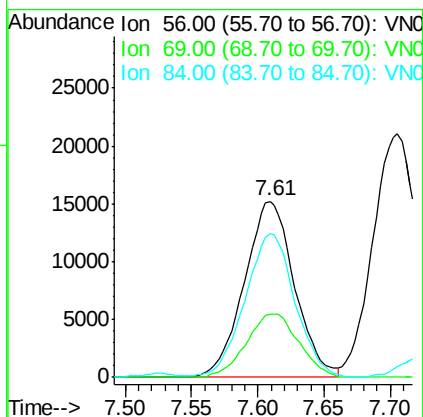
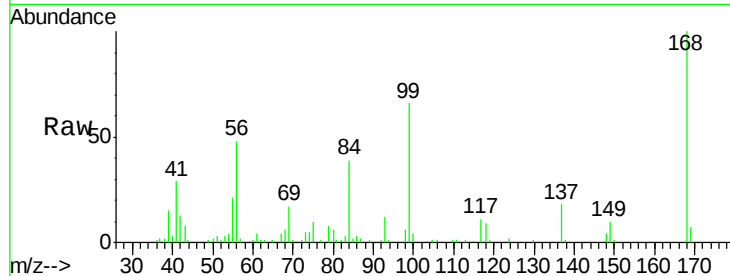




#31
Cyclohexane
Concen: 17.456 ug/l
RT: 7.61 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

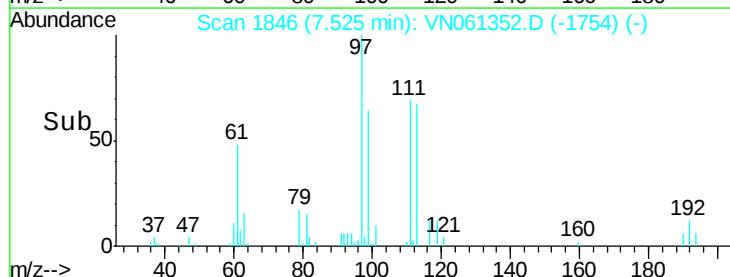
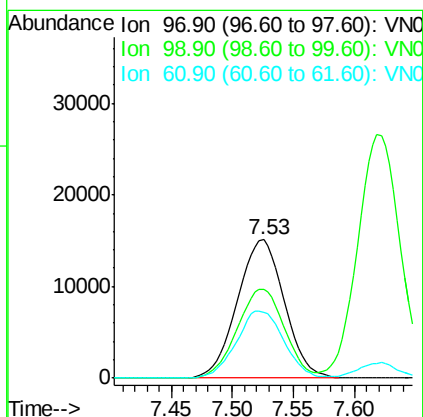
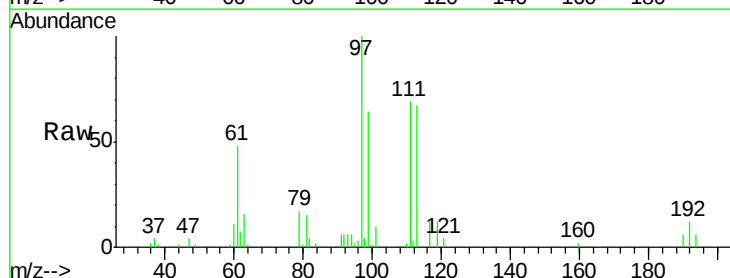
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 40058
Ion Ratio Lower Upper
56 100
69 36.1 25.7 38.5
84 80.8 64.6 97.0



#32
1,1,1-Trichloroethane
Concen: 19.341 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion: 97 Resp: 40331
Ion Ratio Lower Upper
97 100
99 64.6 51.3 76.9
61 49.1 38.6 57.8





#33

1,2-Dichloroethane-d4

Concen: 51.249 ug/l

RT: 7.98 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

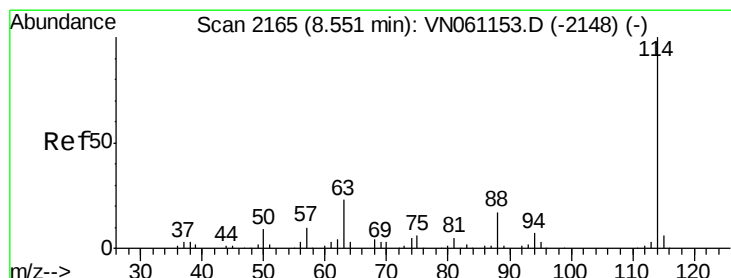
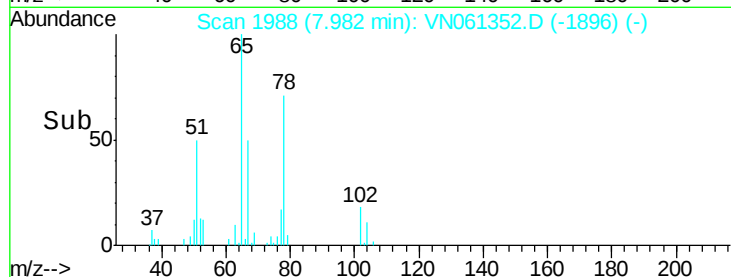
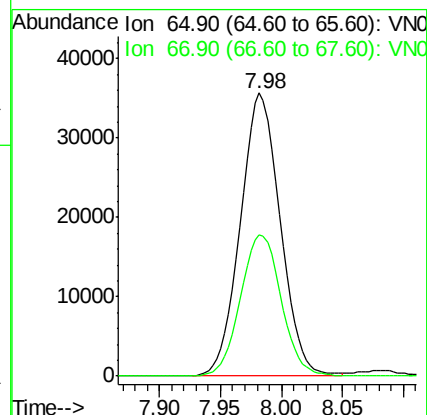
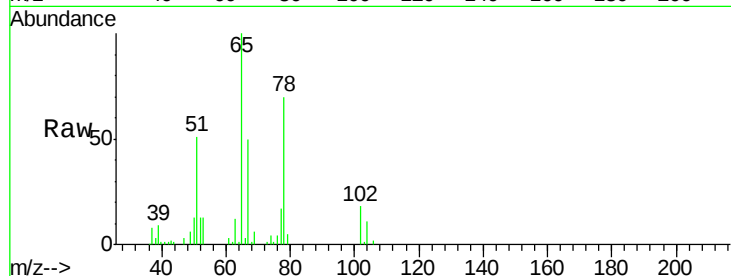
ClientSampleId :

Tot Ion: 65 Resp: 80843

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.54 min Scan# 2163

Delta R.T. -0.01 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

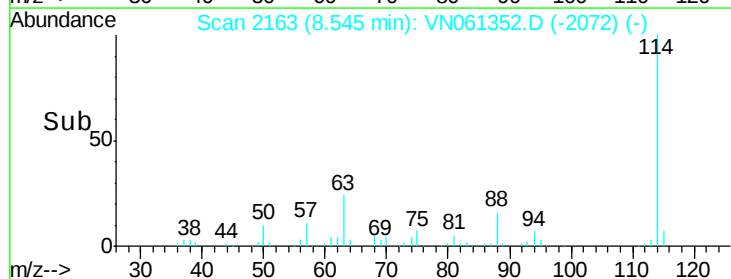
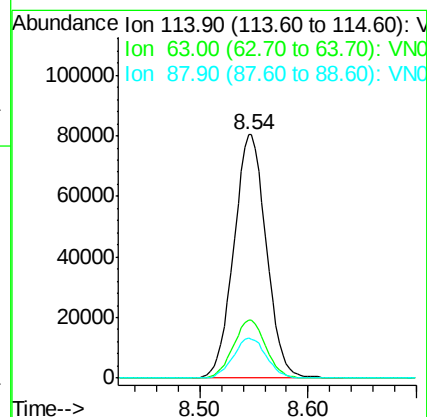
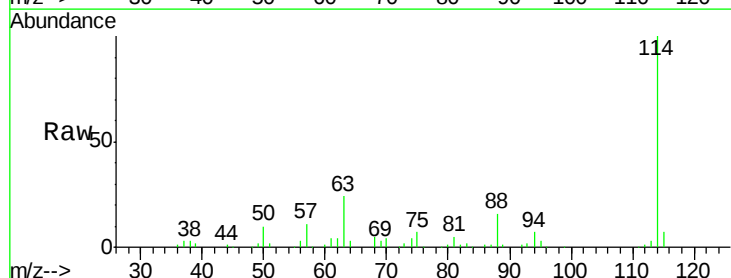
Tgt Ion: 114 Resp: 168289

Ion Ratio Lower Upper

114 100

63 24.0 0.0 46.6

88 16.3 0.0 33.4

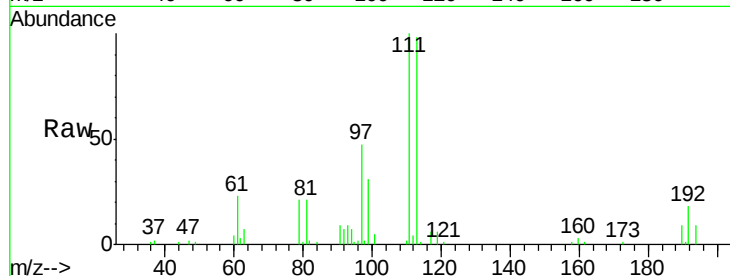




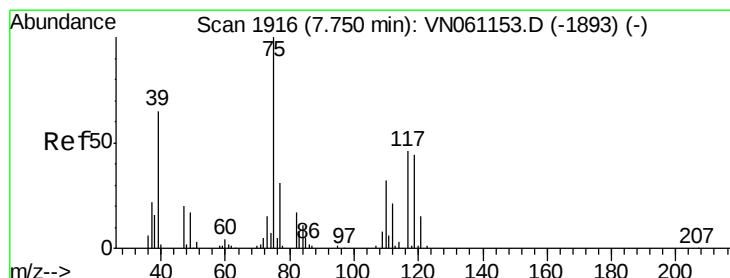
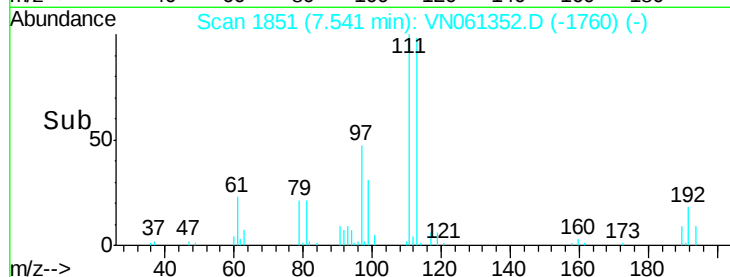
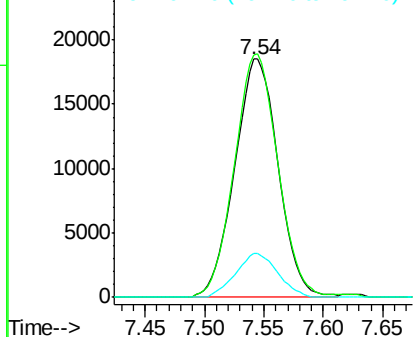
#35
 Dibromofluoromethane
 Concen: 47.012 ug/l
 RT: 7.54 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 46783
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.9 124.3
 192 17.8 14.7 22.1

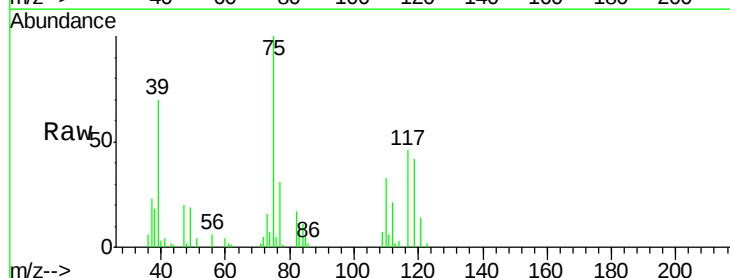


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

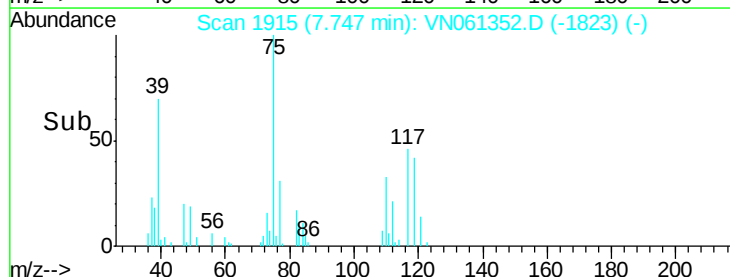
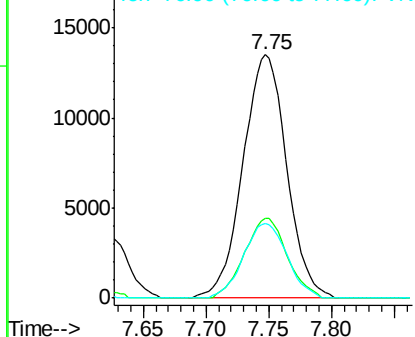


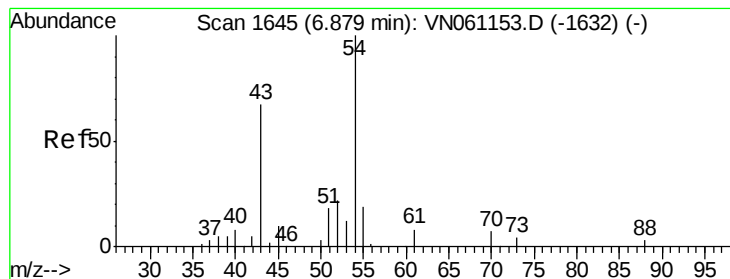
#36
 1,1-Dichloropropene
 Concen: 19.411 ug/l
 RT: 7.75 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion: 75 Resp: 32701
 Ion Ratio Lower Upper
 75 100
 110 32.1 16.0 48.0
 77 30.7 24.6 37.0



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





#37

Ethyl Acetate

Concen: 19.692 ug/l

RT: 6.87 min Scan# 1643

Delta R.T. -0.01 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

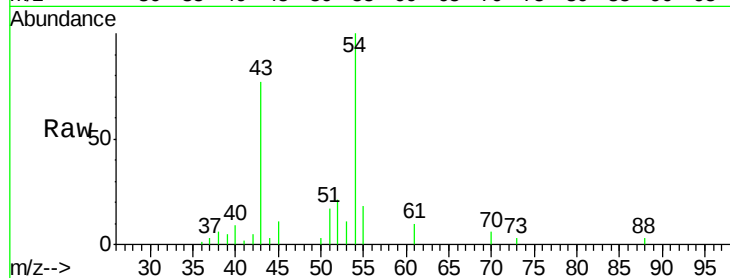
Tot Ion: 43 Resp: 38892

Ion Ratio Lower Upper

43 100

61 13.0 10.2 15.2

70 8.5 7.2 10.8

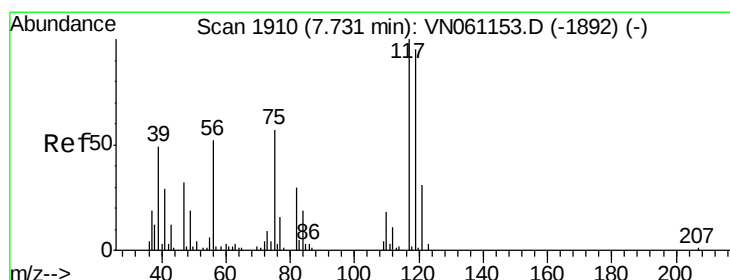
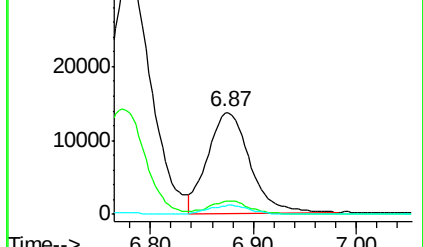
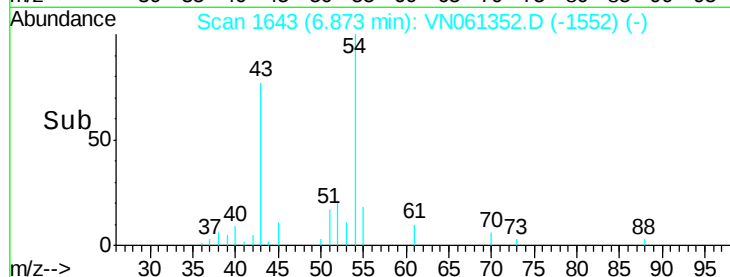


Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1632) (-)

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

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

Time-->



#38

Carbon Tetrachloride

Concen: 20.402 ug/l

RT: 7.73 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

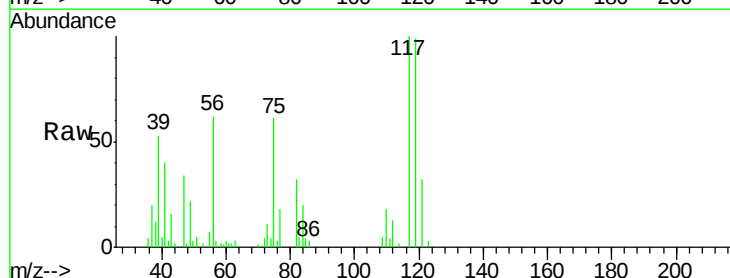
Tgt Ion: 117 Resp: 29178

Ion Ratio Lower Upper

117 100

119 98.5 75.8 113.6

121 32.0 24.7 37.1

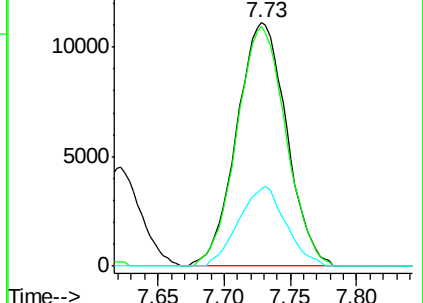
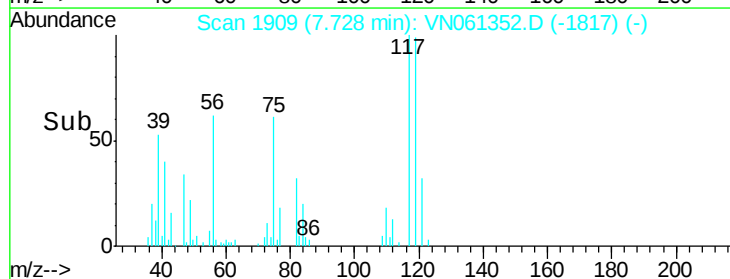


Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-1892) (-)

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

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

Time-->

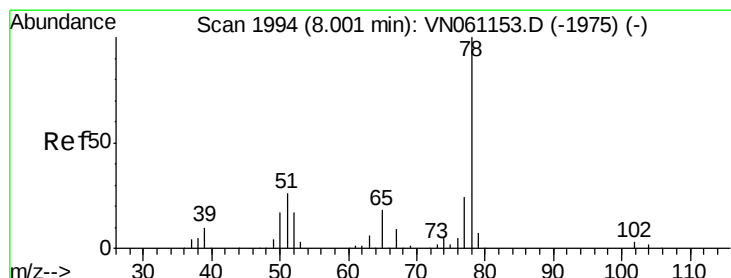
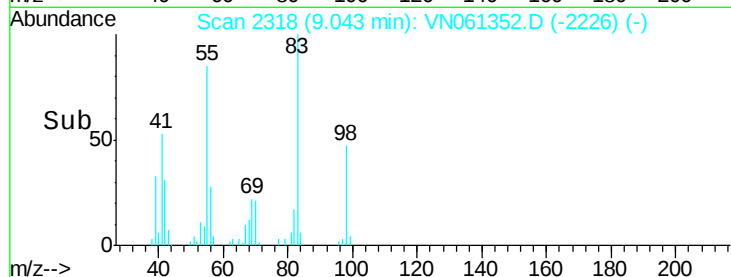
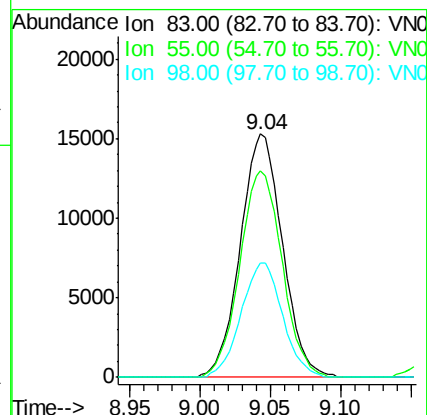
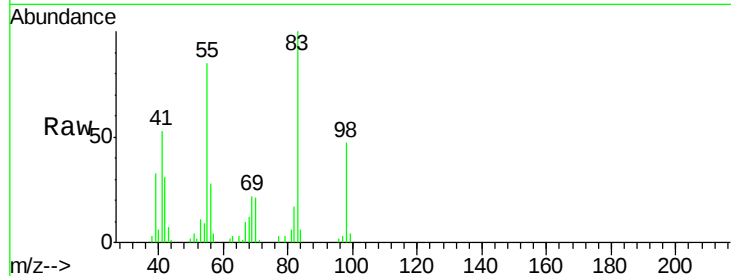




#39
Methvlcvclohexane
Concen: 16.913 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

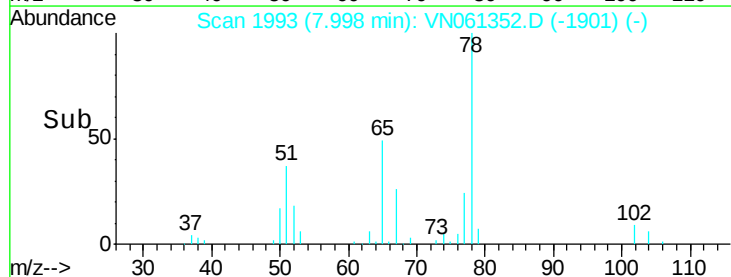
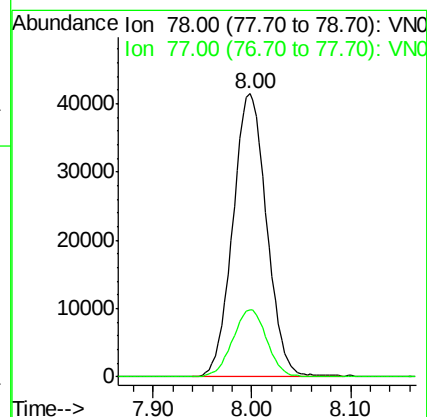
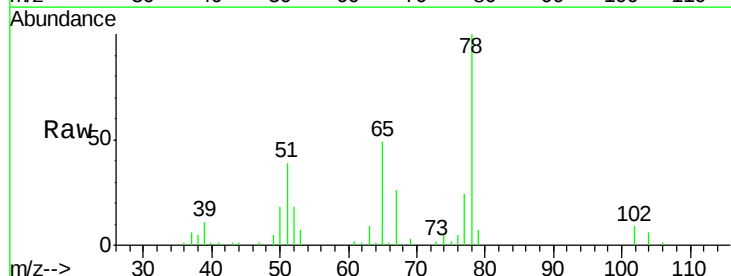
Instrument :
MSVOA_N
ClientSampled :

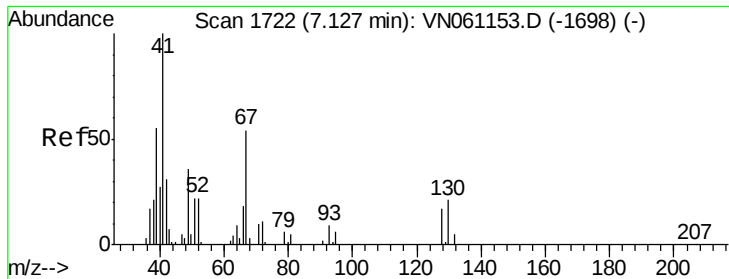
Tot Ion: 83 Resp: 31954
Ion Ratio Lower Upper
83 100
55 85.0 67.3 100.9
98 47.1 37.7 56.5



#40
Benzene
Concen: 19.755 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion: 78 Resp: 99150
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

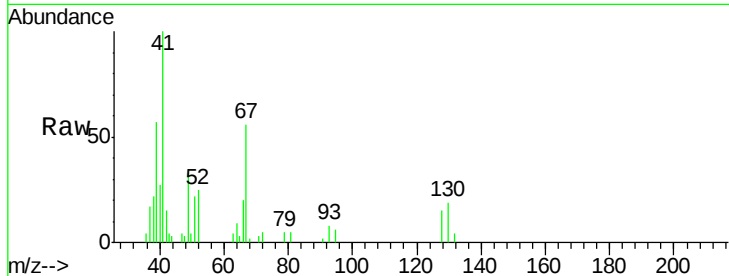




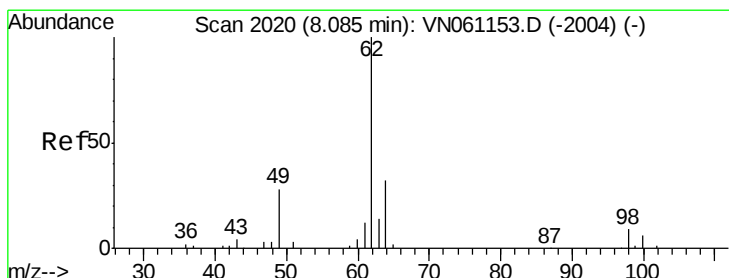
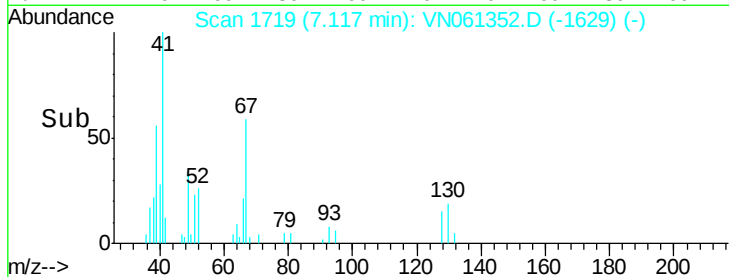
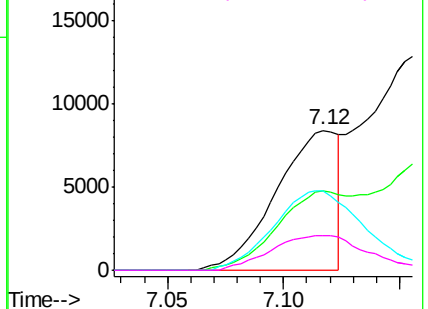
#41
Methacrylonitrile
Concen: 19.024 ug/l
RT: 7.12 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	15600
Ion	Ratio	Lower	Upper
41	100		
39	66.8	0.0	0.0#
67	83.6	0.0	0.0#
52	38.7	0.0	0.0#

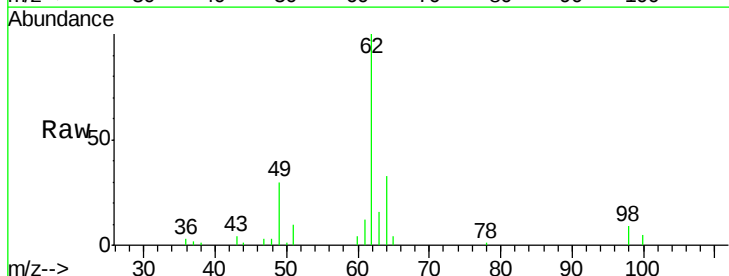


Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-1698) (-)
Ion 39.00 (38.70 to 39.70): VN061153.D (-1698) (-)
Ion 67.00 (66.70 to 67.70): VN061153.D (-1698) (-)
Ion 52.00 (51.70 to 52.70): VN061153.D (-1698) (-)

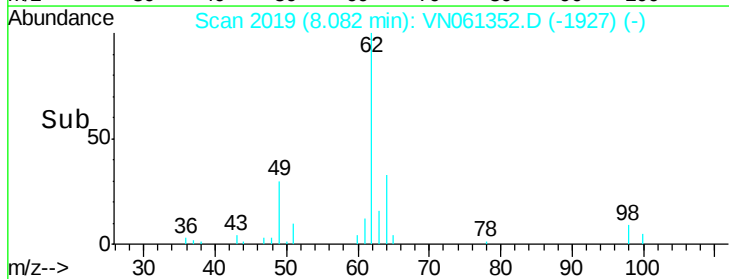
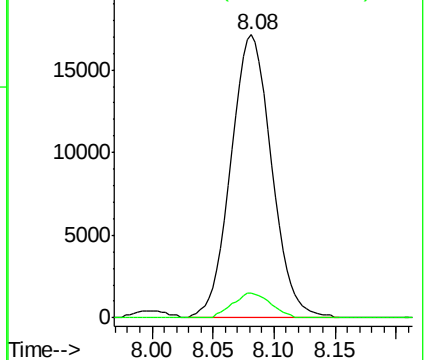


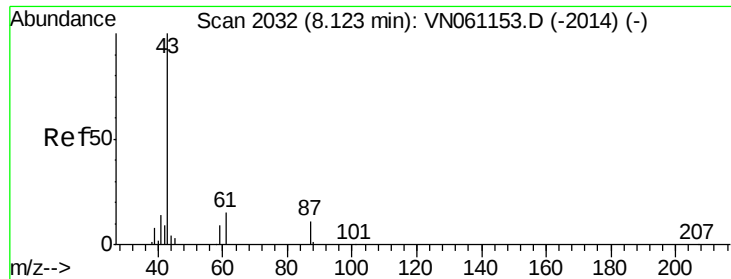
#42
1,2-Dichloroethane
Concen: 20.882 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion:	62	Resp:	39705
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.8



Abundance Ion 61.90 (61.60 to 62.60): VN061153.D (-2004) (-)
Ion 97.90 (97.60 to 98.60): VN061153.D (-2004) (-)





#43

Isopropyl Acetate

Concen: 19.694 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

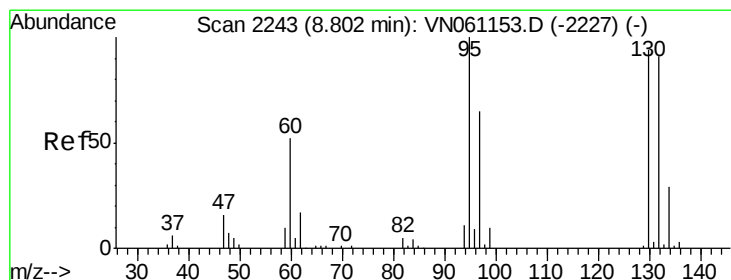
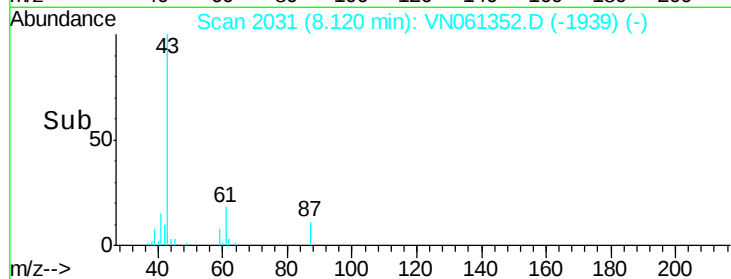
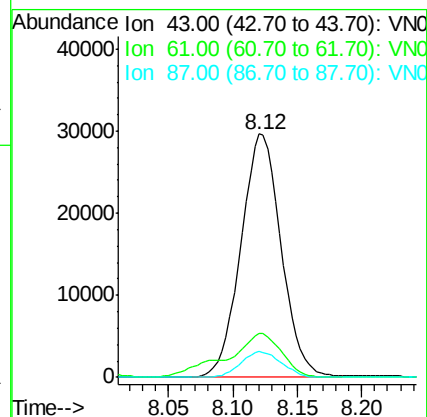
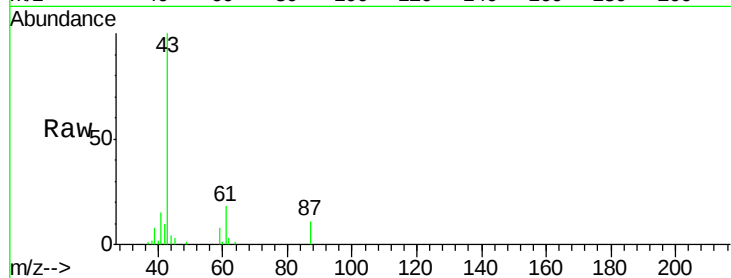
Tot Ion: 43 Resp: 64551

Ion Ratio Lower Upper

43 100

61 18.2 19.5 29.3#

87 10.5 8.9 13.3



#44

Trichloroethene

Concen: 18.397 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061352.D

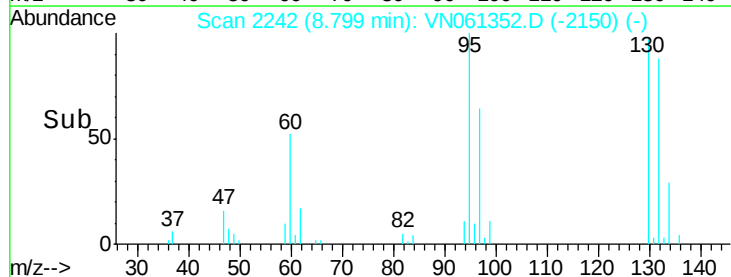
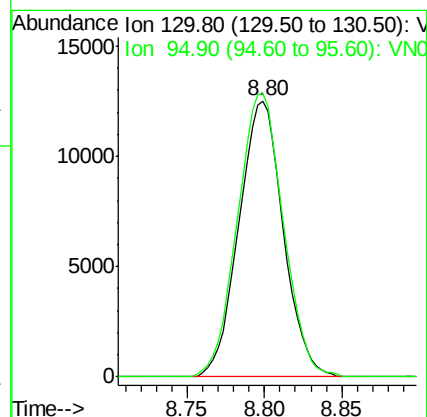
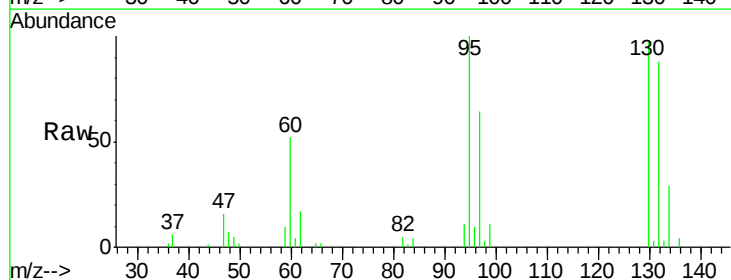
Acq: 8 May 2020 11:24

Tgt Ion: 130 Resp: 24961

Ion Ratio Lower Upper

130 100

95 102.6 0.0 212.4





#45

1,2-Dichloropropane

Concen: 20.065 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

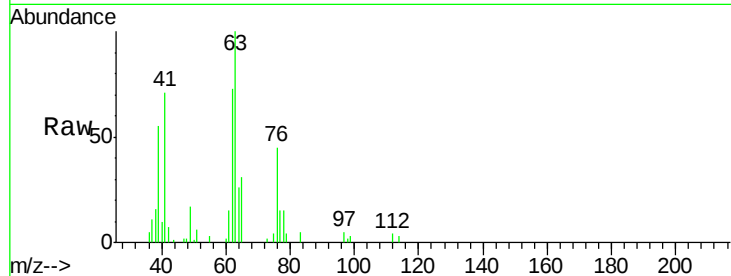
ClientSampleId :

Tot Ion: 63 Resp: 26904

Ion Ratio Lower Upper

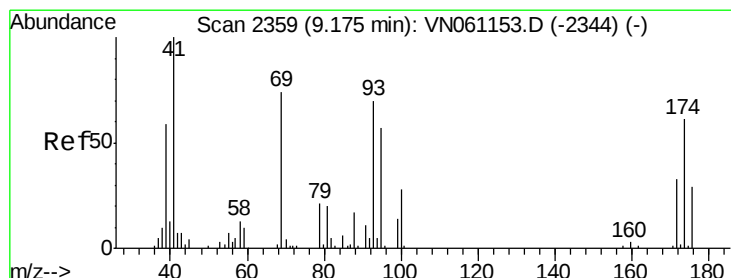
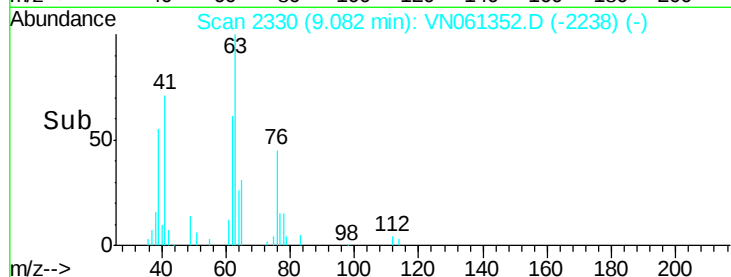
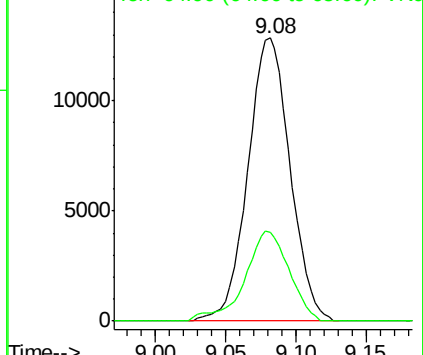
63 100

65 31.5 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061352.D (-2238) (-)

Ion 64.90 (64.60 to 65.60): VN061352.D (-2238) (-)



#46

Dibromomethane

Concen: 20.410 ug/l

RT: 9.17 min Scan# 2358

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

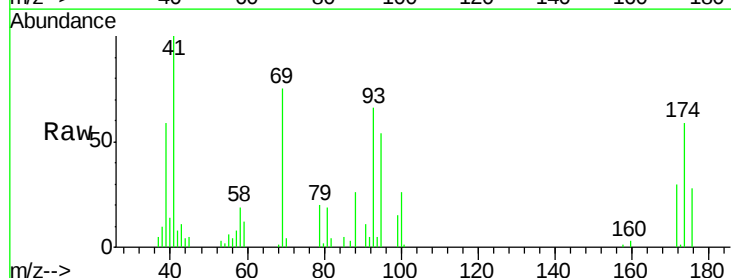
Tgt Ion: 93 Resp: 16945

Ion Ratio Lower Upper

93 100

95 81.7 66.6 99.8

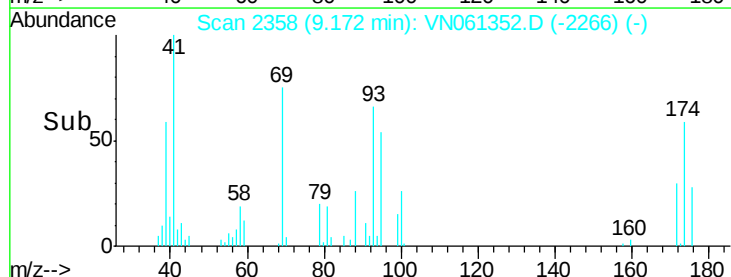
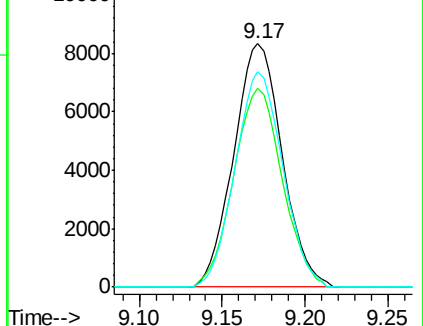
174 86.8 70.2 105.2



Abundance Ion 92.80 (92.50 to 93.50): VN061352.D (-2266) (-)

Ion 94.80 (94.50 to 95.50): VN061352.D (-2266) (-)

Ion 173.70 (173.40 to 174.40): VN061352.D (-2266) (-)





#47

Bromodichloromethane

Concen: 20.921 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

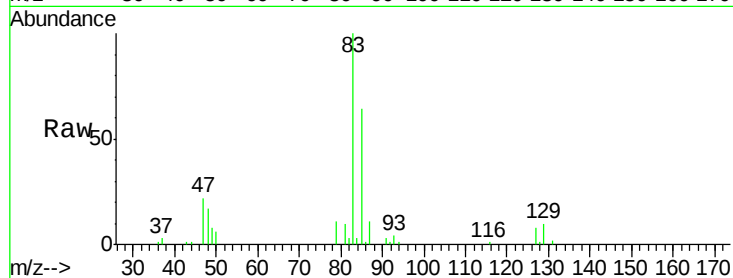
Tot Ion: 83 Resp: 37281

Ion Ratio Lower Upper

83 100

85 64.5 50.4 75.6

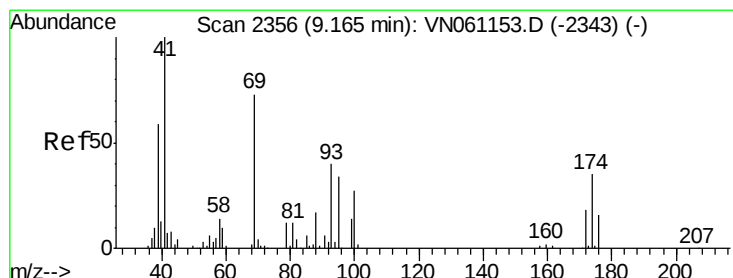
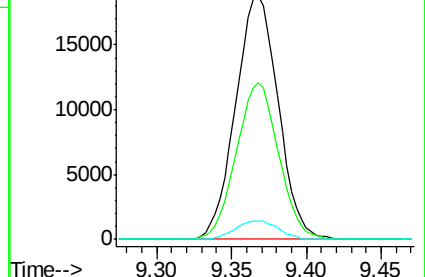
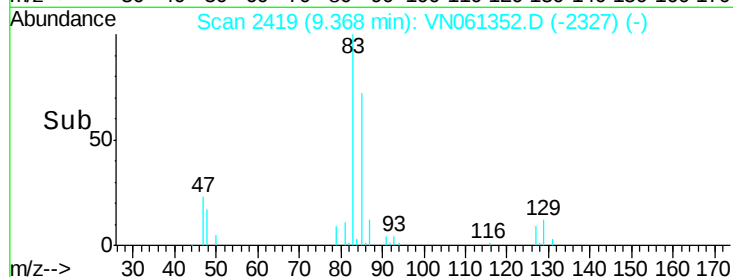
127 7.8 6.2 9.2



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

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

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



#48

Methyl methacrylate

Concen: 19.900 ug/l

RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

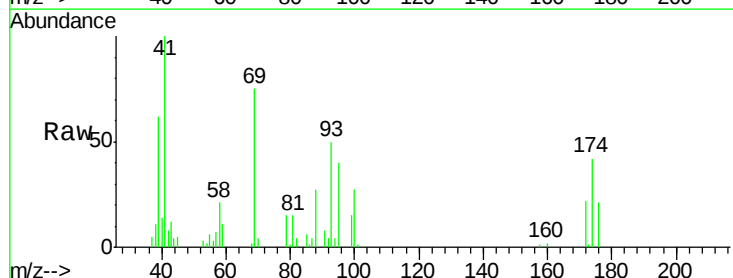
Tgt Ion: 41 Resp: 29433

Ion Ratio Lower Upper

41 100

69 74.4 60.3 90.5

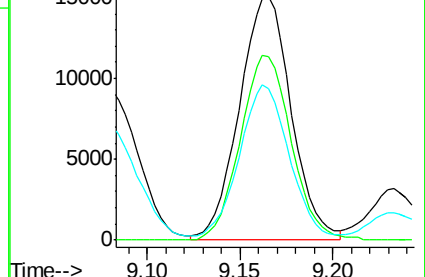
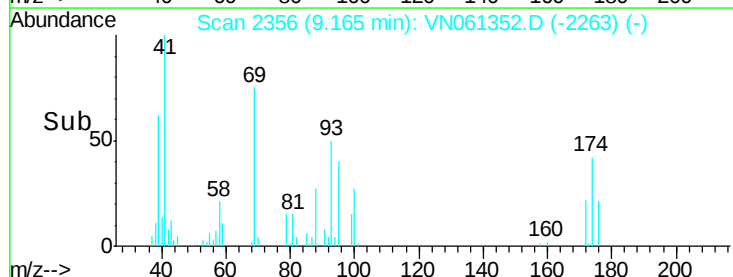
39 62.0 47.4 71.0



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

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

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

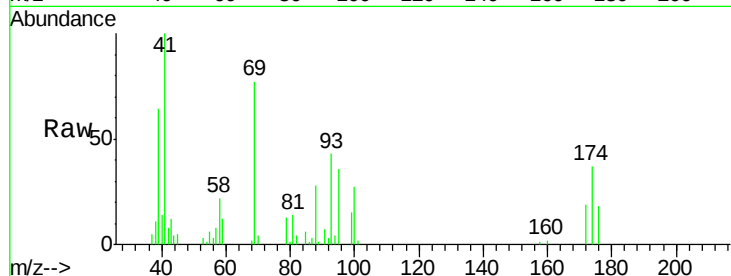




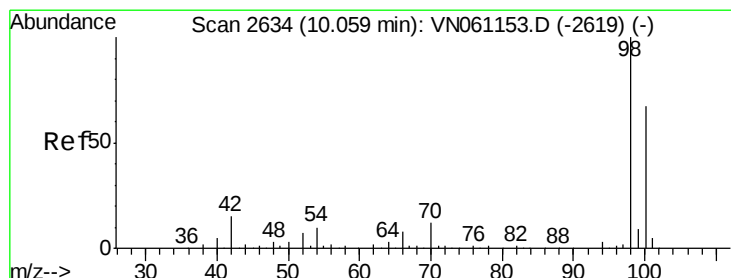
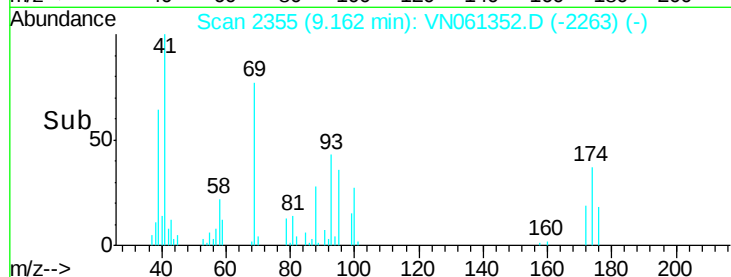
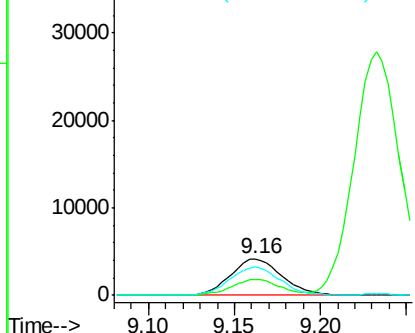
#49
1,4-Dioxane
Concen: 510.864 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 8577
Ion Ratio Lower Upper
88 100
43 41.3 35.3 52.9
58 75.6 61.5 92.3

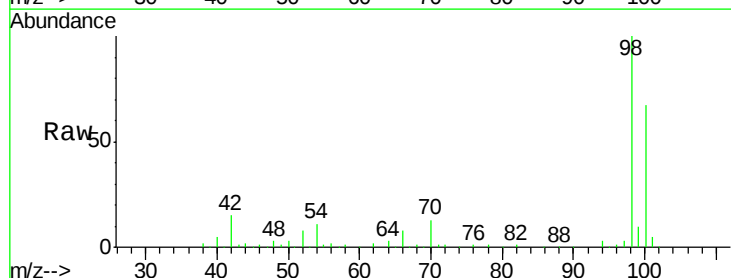


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

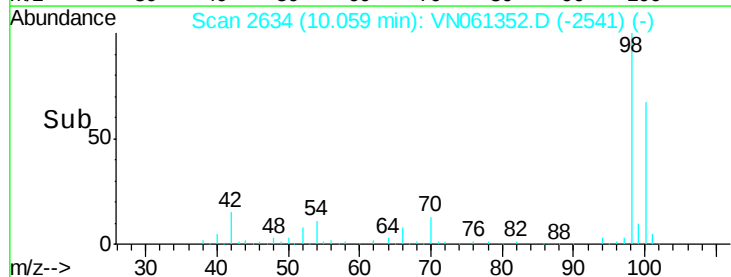
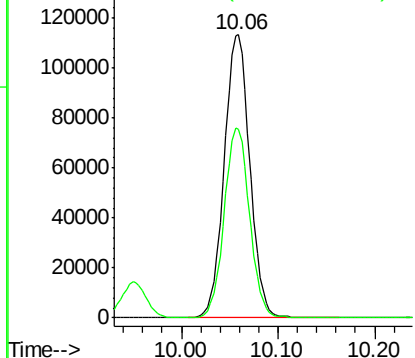


#50
Toluene-d8
Concen: 51.349 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion: 98 Resp: 208305
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0



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

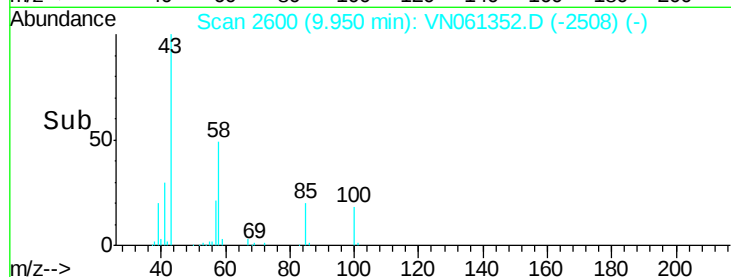
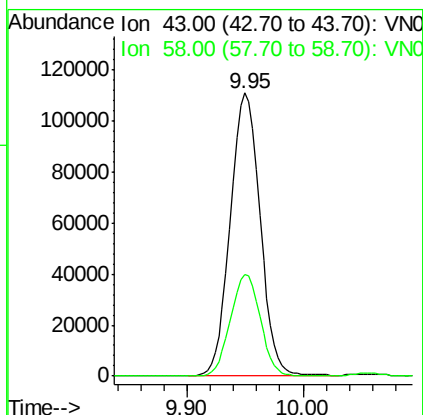
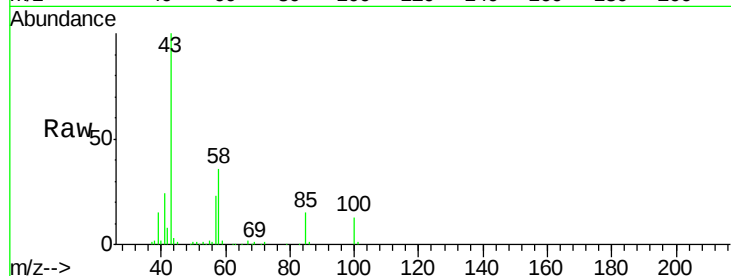




#51
 4-Methyl-2-Pentanone
 Concen: 102.627 ug/l
 RT: 9.95 min Scan# 2600
 Delta R.T. -0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

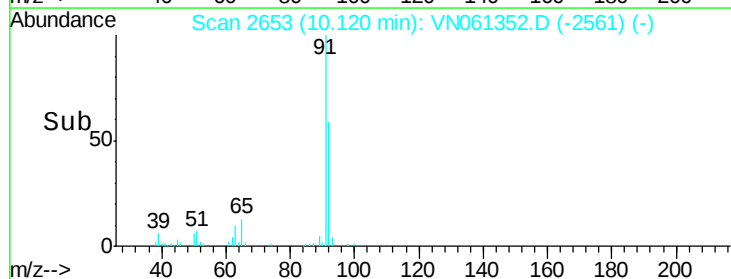
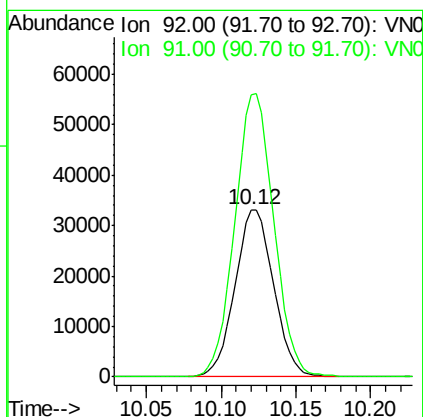
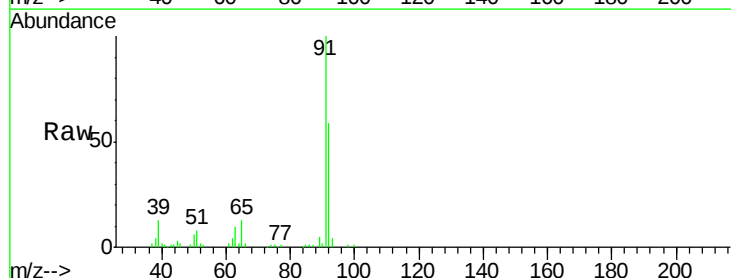
Instrument :
 MSVOA_N
 ClientSampled :

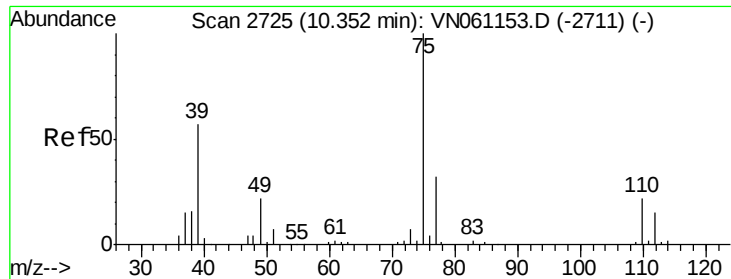
Tot Ion: 43 Resp: 197998
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.1 43.7



#52
 Toluene
 Concen: 19.716 ug/l
 RT: 10.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion: 92 Resp: 59603
 Ion Ratio Lower Upper
 92 100
 91 171.3 136.2 204.2

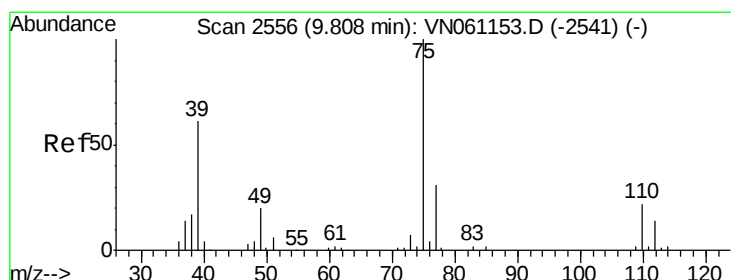
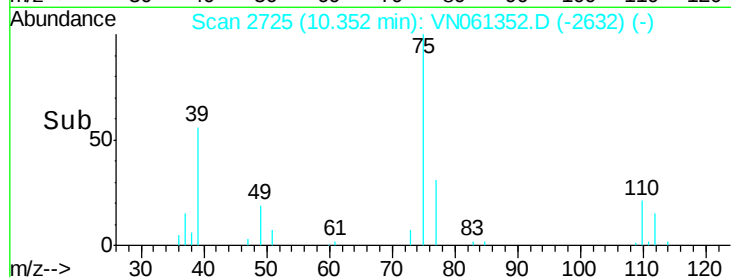
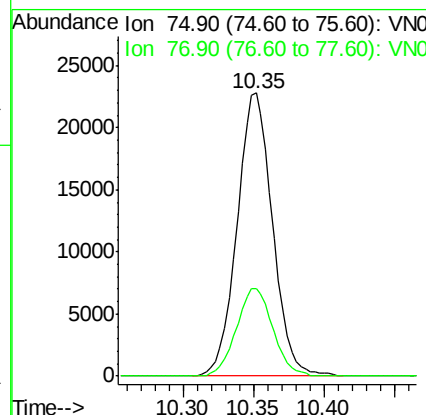
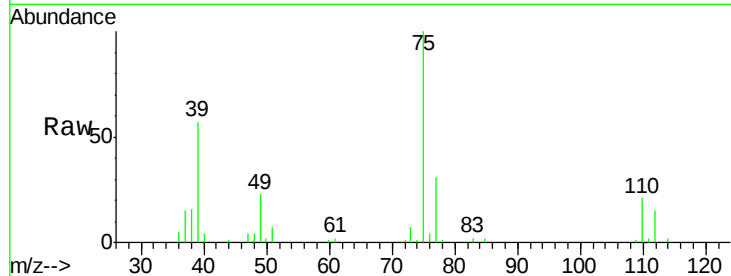




#53
t-1,3-Dichloropropene
Concen: 19.934 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

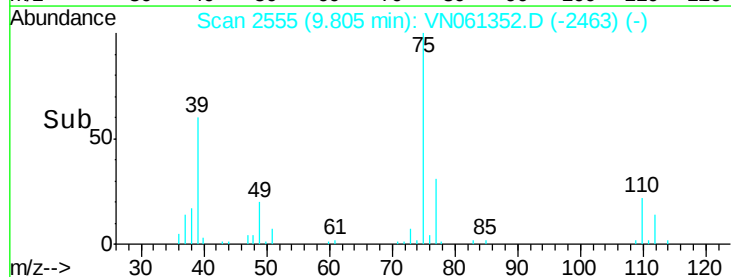
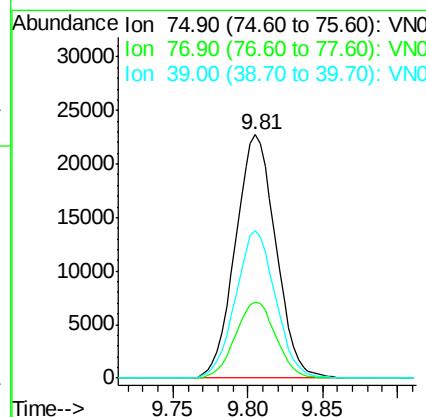
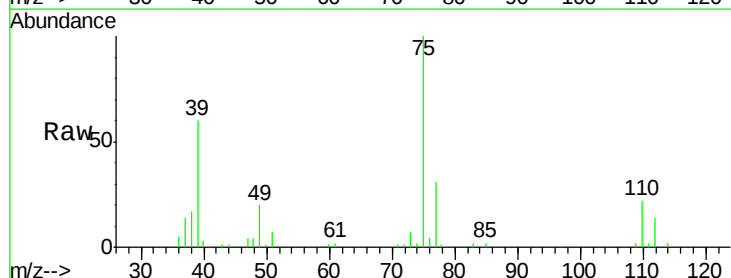
Instrument :
MSVOA_N
ClientSampled :

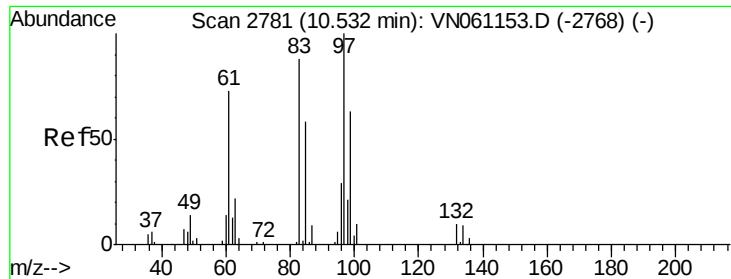
Tot Ion: 75 Resp: 40026
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 20.133 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion: 75 Resp: 42737
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4
39 60.5 48.7 73.1

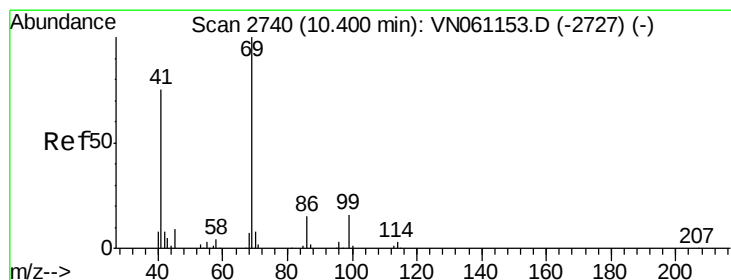
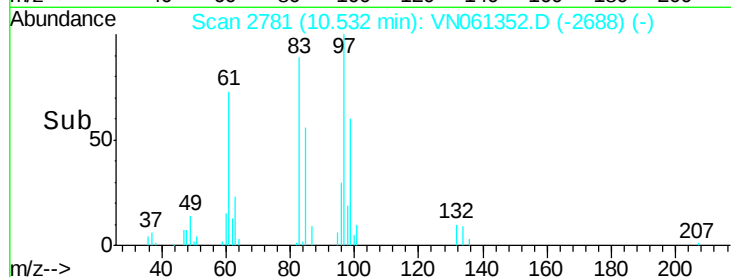
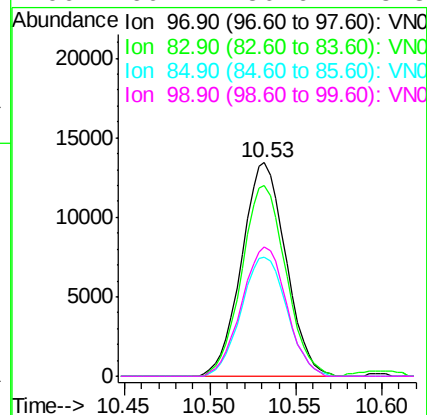
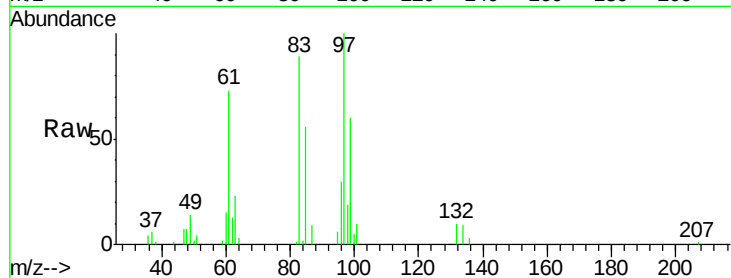




#55
 1,1,2-Trichloroethane
 Concen: 19.878 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

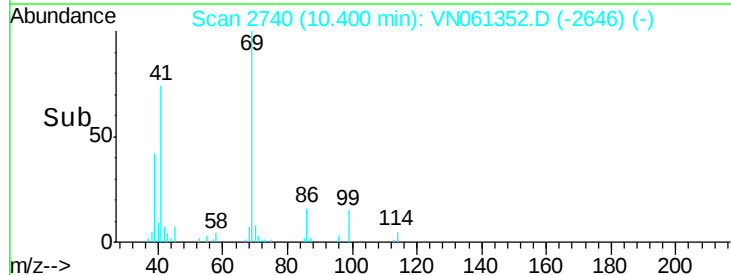
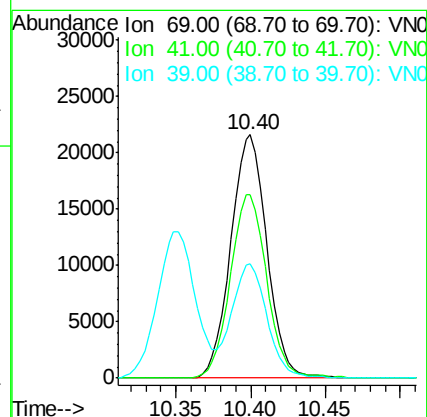
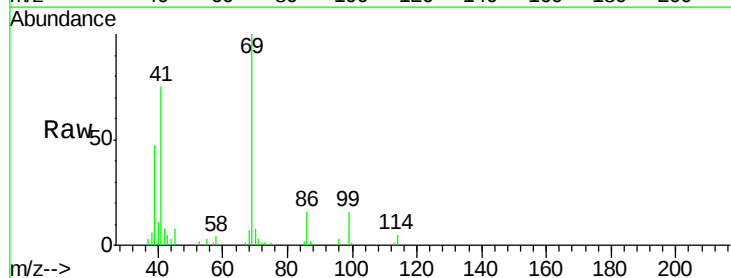
Instrument :
 MSVOA_N
 ClientSampleId :

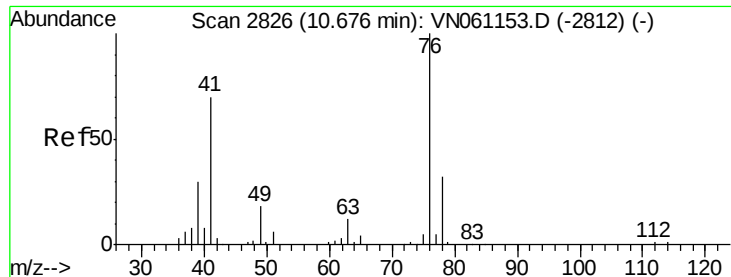
Tot Ion:	97	Resp:	23969
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.6	106.0
85	55.6	46.4	69.6
99	60.4	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 19.046 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion:	69	Resp:	36268
Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.3	90.5
39	45.6	35.9	53.9

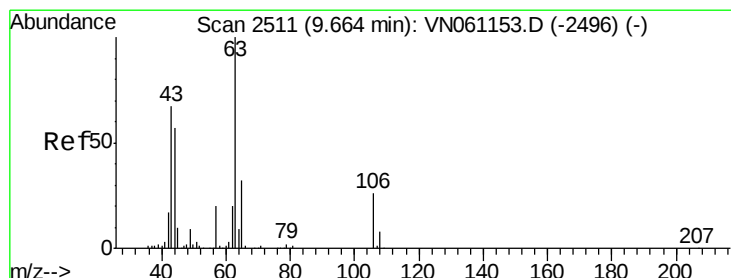
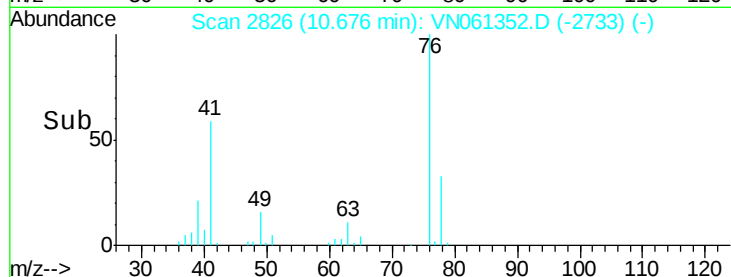
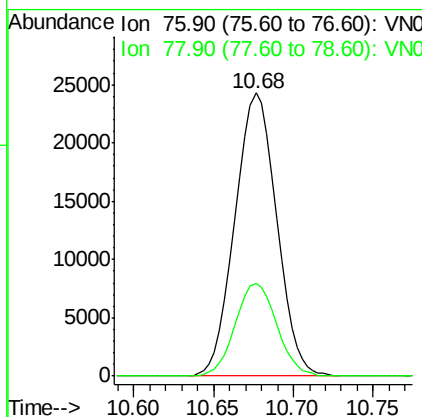
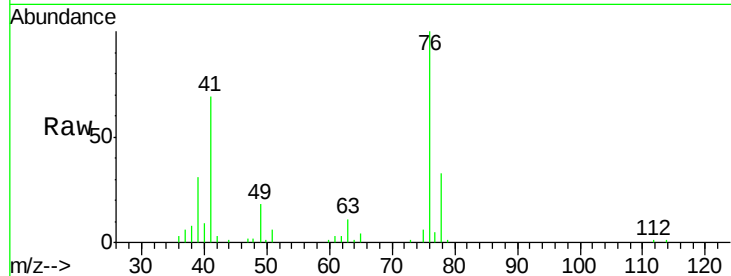




#57
 1,3-Dichloropropane
 Concen: 20.374 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

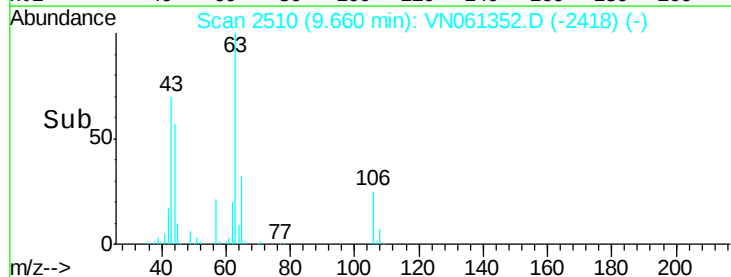
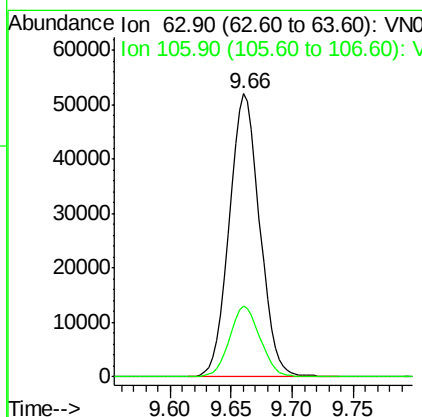
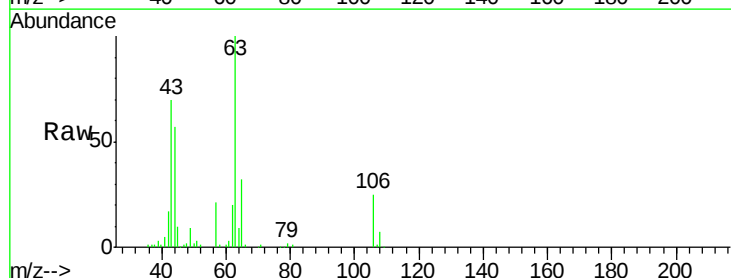
Instrument :
 MSVOA_N
 ClientSampled :

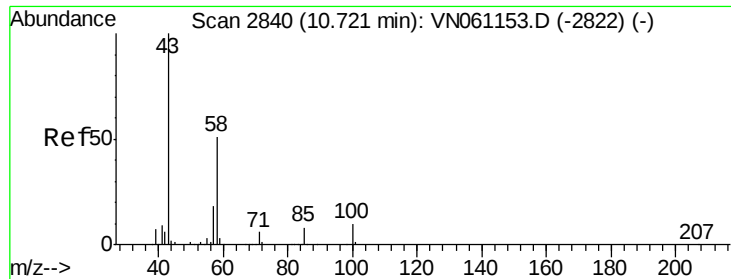
Tot Ion: 76 Resp: 43184
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.857 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion: 63 Resp: 90633
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.6 30.8

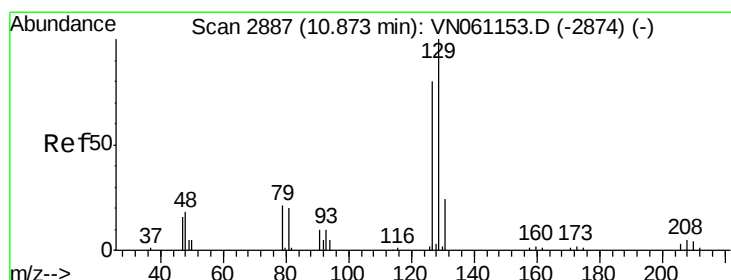
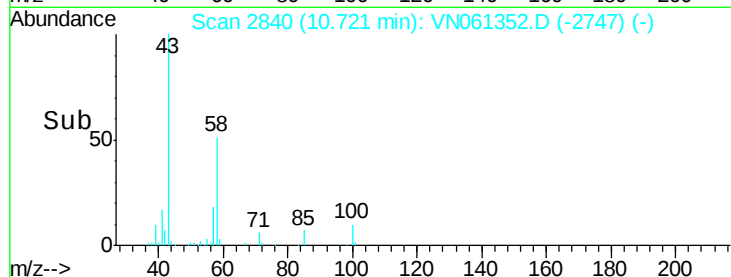
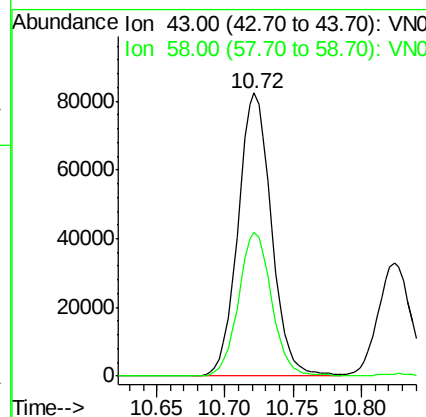
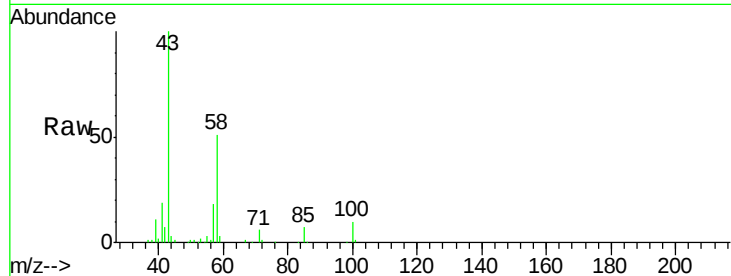




#59
2-Hexanone
Concen: 99.820 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

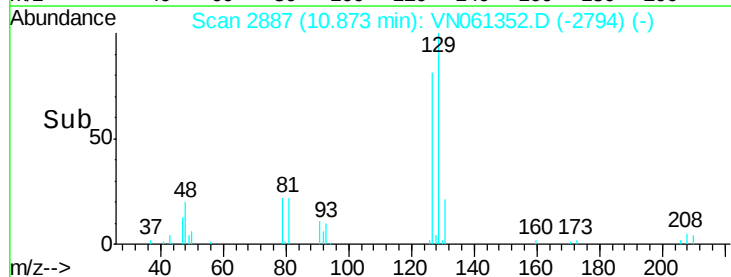
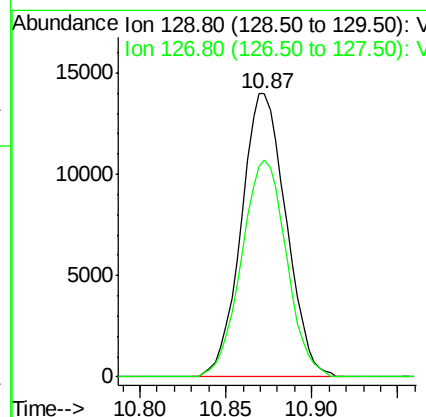
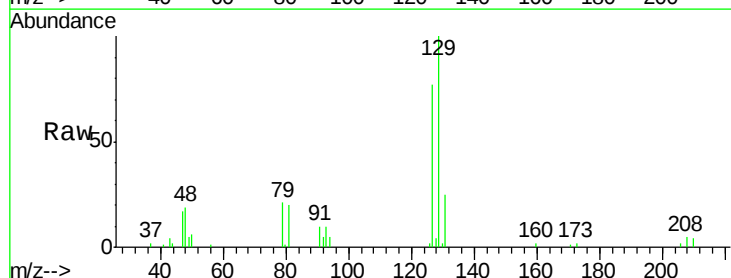
Instrument :
MSVOA_N
ClientSampleId :

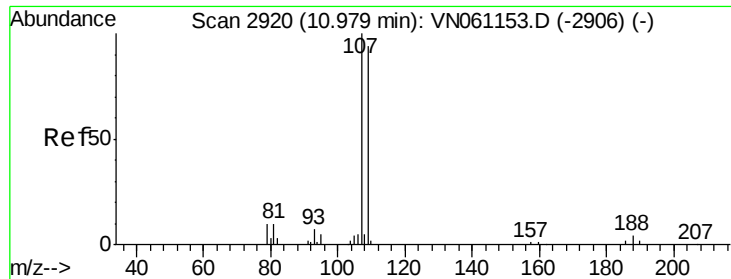
Tot Ion: 43 Resp: 140108
Ion Ratio Lower Upper
43 100
58 50.4 25.4 76.4



#60
Dibromochloromethane
Concen: 20.091 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion: 129 Resp: 25373
Ion Ratio Lower Upper
129 100
127 76.4 39.3 117.8

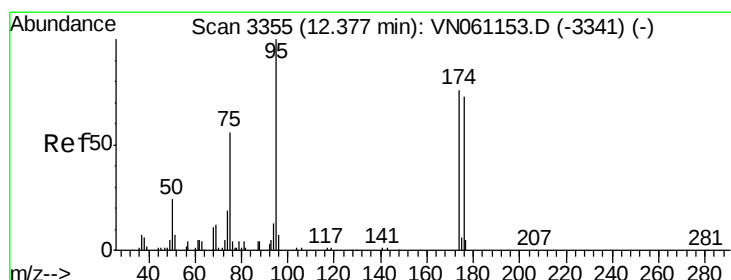
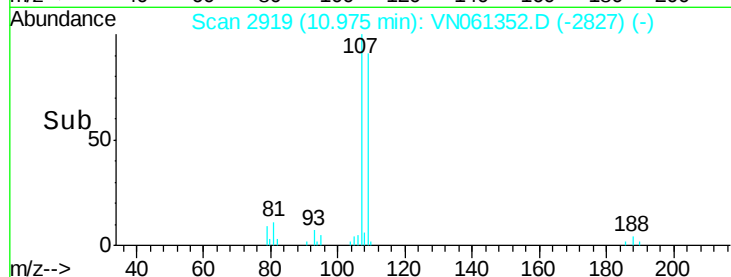
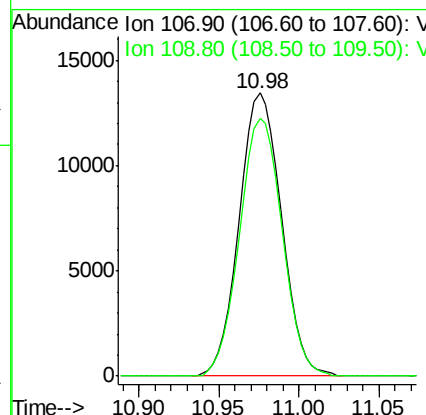
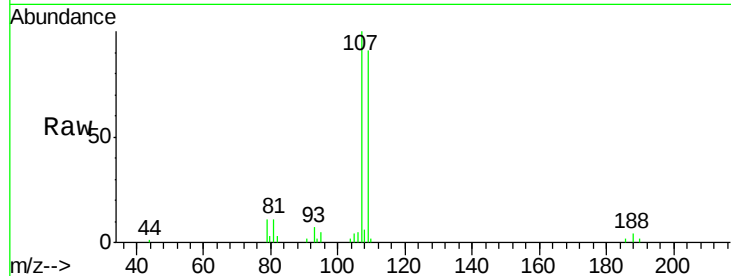




#61
 1,2-Dibromoethane
 Concen: 20.046 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

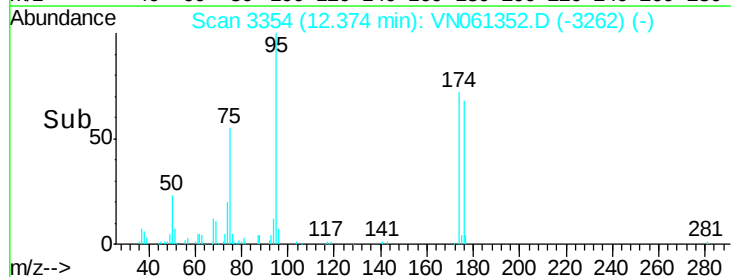
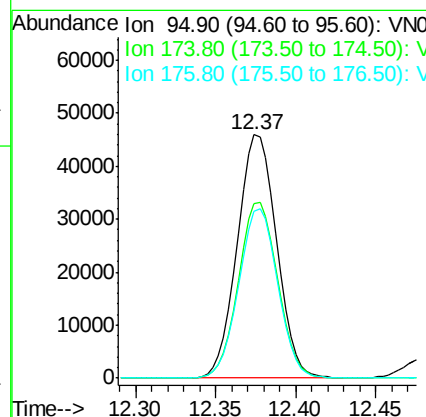
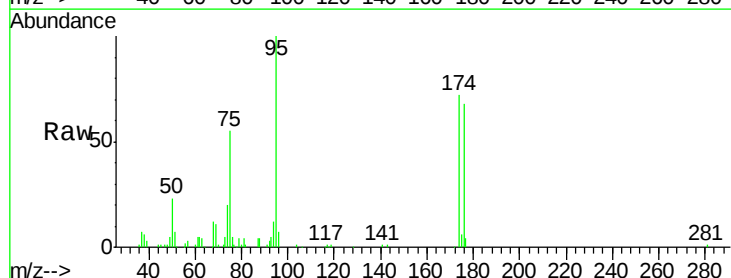
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:107 Resp: 24227
 Ion Ratio Lower Upper
 107 100
 109 92.2 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 50.436 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion: 95 Resp: 76996
 Ion Ratio Lower Upper
 95 100
 174 72.0 0.0 149.4
 176 68.8 0.0 144.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3044

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

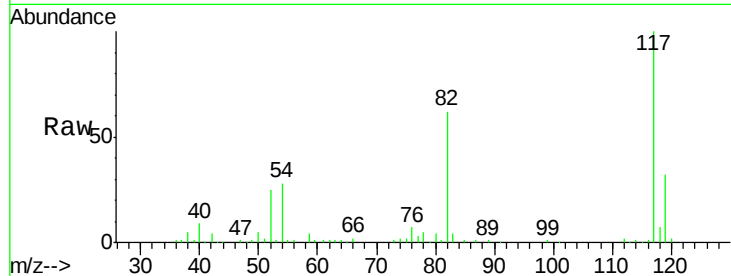
Tot Ion:117 Resp: 154919

Ion Ratio Lower Upper

117 100

82 61.7 47.8 71.8

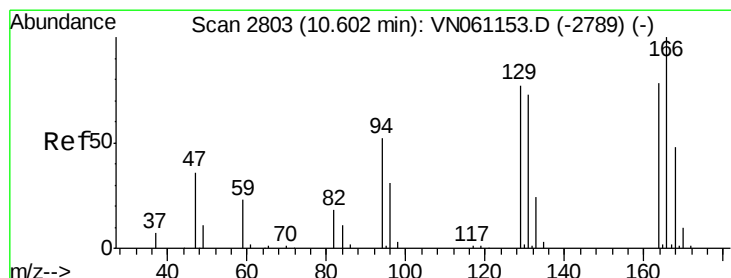
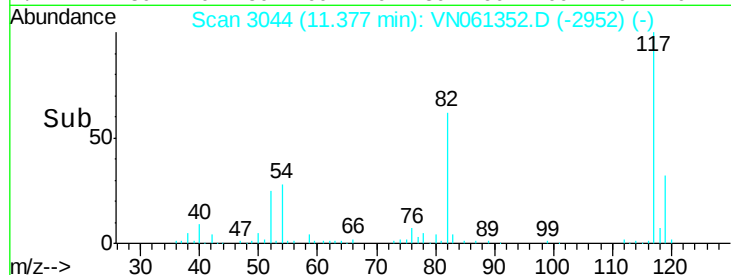
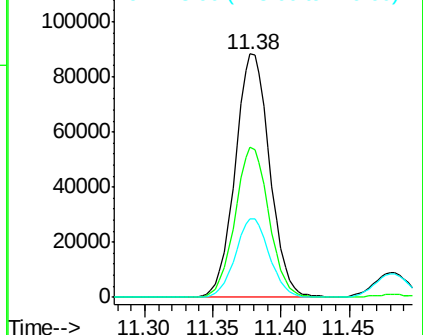
119 32.4 25.8 38.6



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: 17.889 ug/l

RT: 10.60 min Scan# 2802

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Tgt Ion:164 Resp: 24003

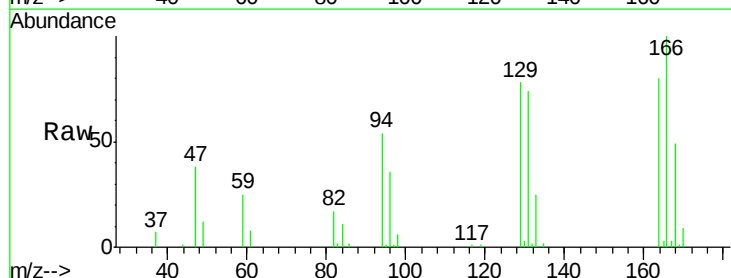
Ion Ratio Lower Upper

164 100

166 124.8 102.0 153.0

129 97.8 78.2 117.2

131 92.6 74.5 111.7

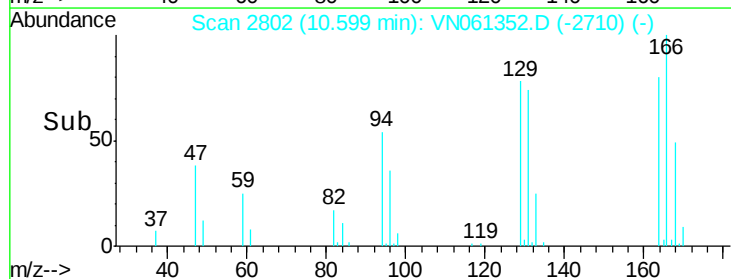
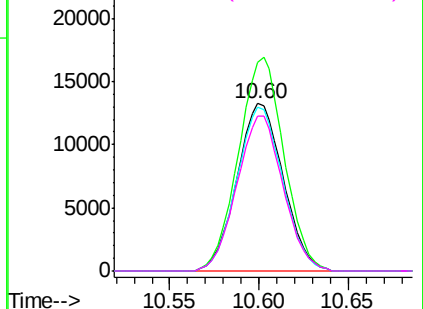


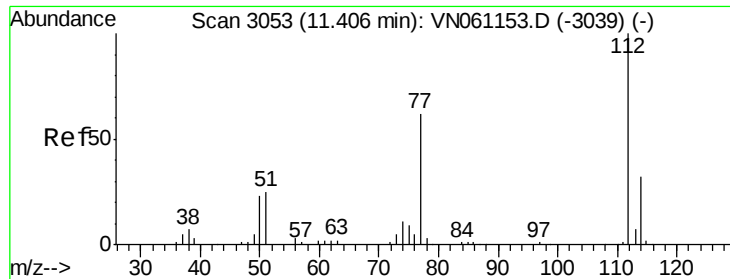
Abundance Ion 163.80 (163.50 to 164.50): V

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

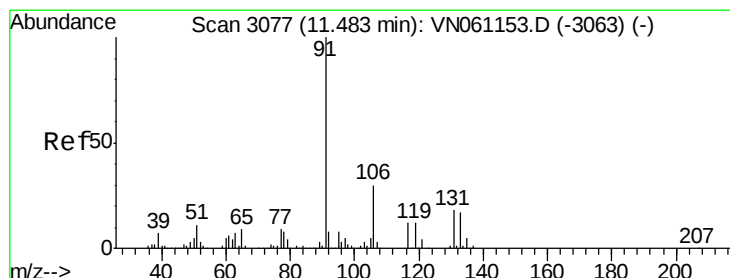
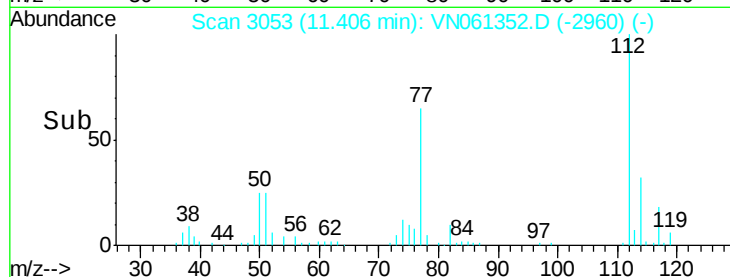
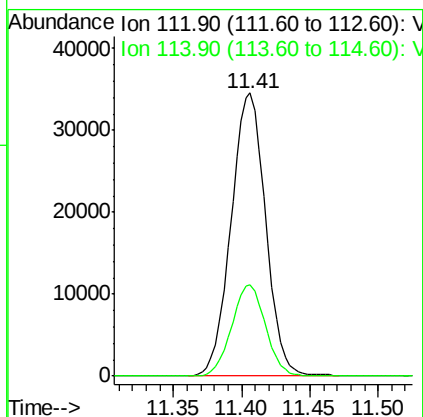
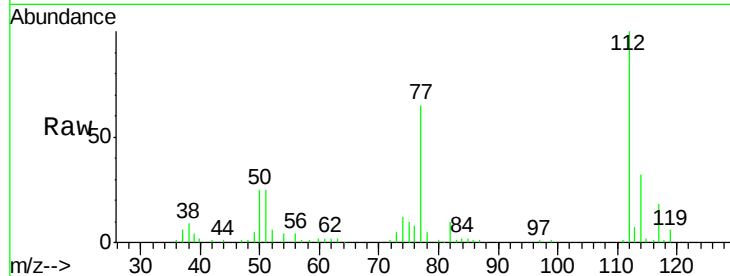




#65
Chlorobenzene
Concen: 19.749 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

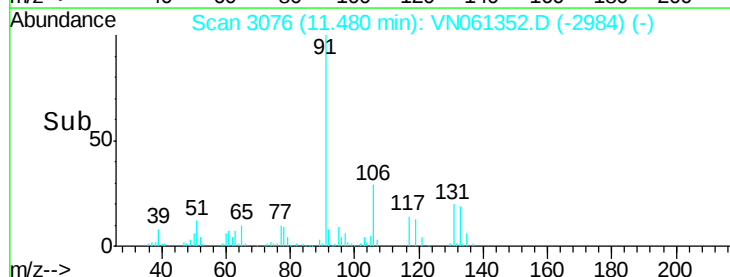
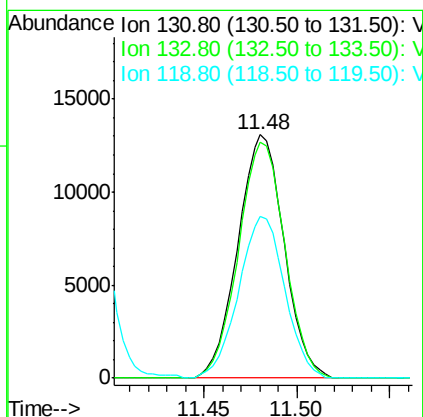
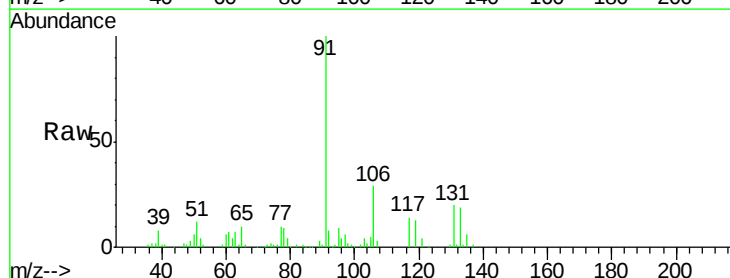
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 60689
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.634 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion:131 Resp: 22695
Ion Ratio Lower Upper
131 100
133 97.1 48.0 144.2
119 66.2 32.6 97.8





#67

Ethyl Benzene

Concen: 19.554 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

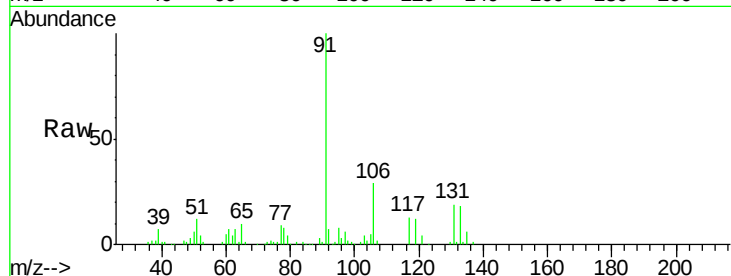
ClientSampled :

Tot Ion: 91 Resp: 112492

Ion Ratio Lower Upper

91 100

106 29.3 23.8 35.6



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

Ion 106.00 (105.70 to 106.70): VN061153.D (-3063) (-)

100000

80000

60000

40000

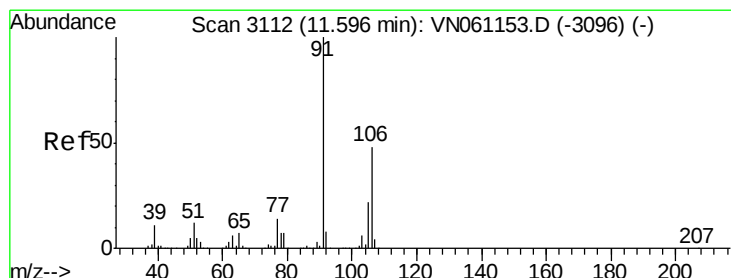
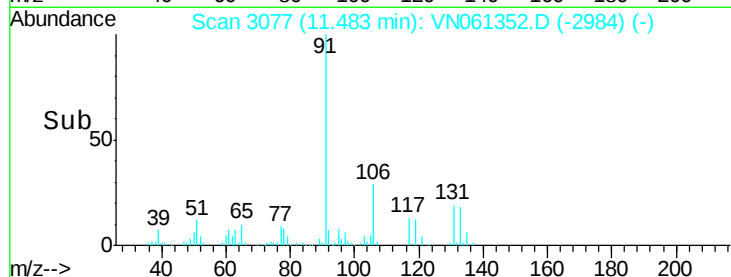
20000

0

11.40 11.45 11.50 11.55

11.48

Time-->



#68

m/p-Xylenes

Concen: 39.097 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061352.D

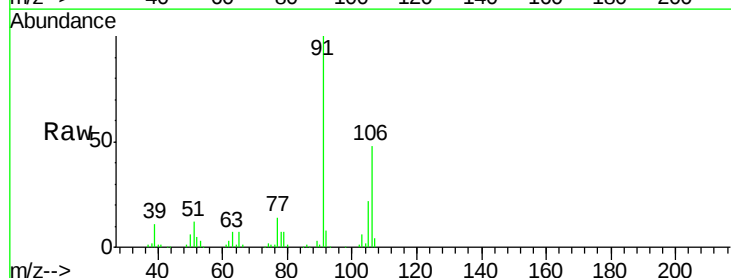
Acq: 8 May 2020 11:24

Tgt Ion: 106 Resp: 82326

Ion Ratio Lower Upper

106 100

91 213.8 166.4 249.6



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

Ion 91.00 (90.70 to 91.70): VN061153.D (-3096) (-)

100000

80000

60000

40000

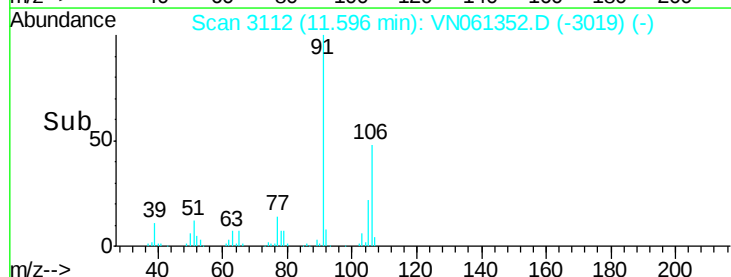
20000

0

11.50 11.55 11.60 11.65

11.60

Time-->

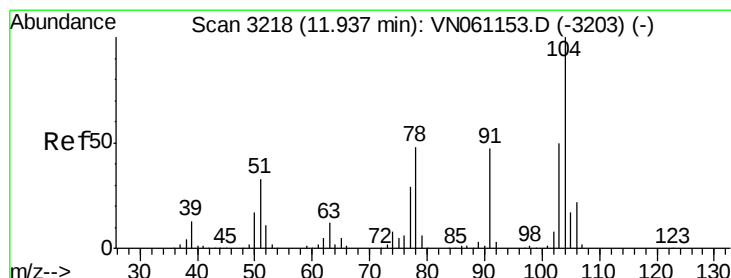
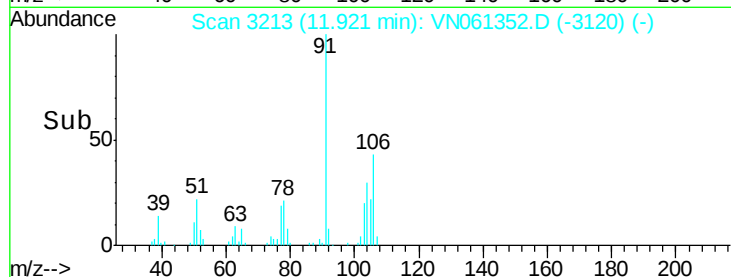
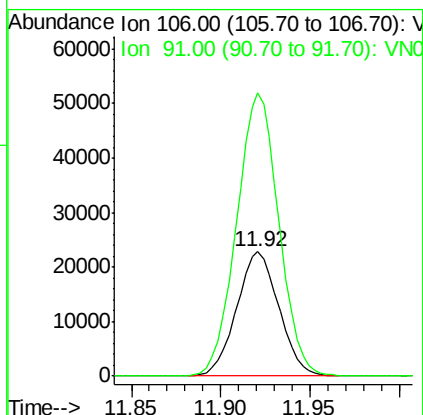
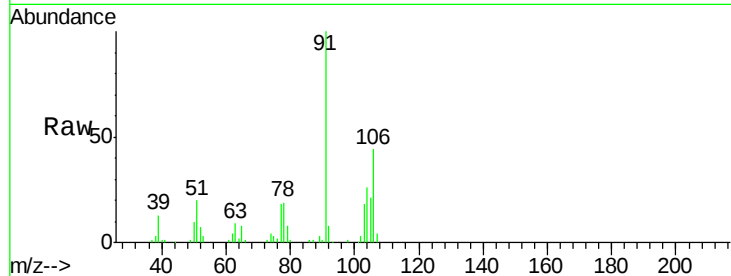




#69
o-Xylene
Concen: 18.665 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

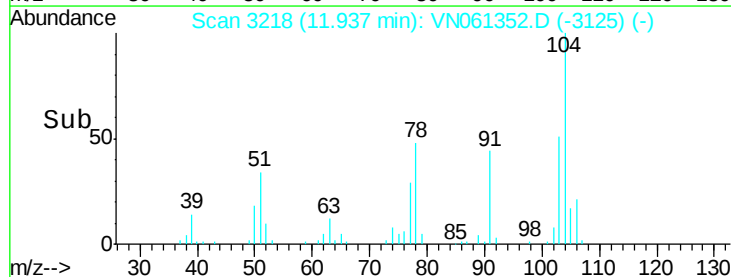
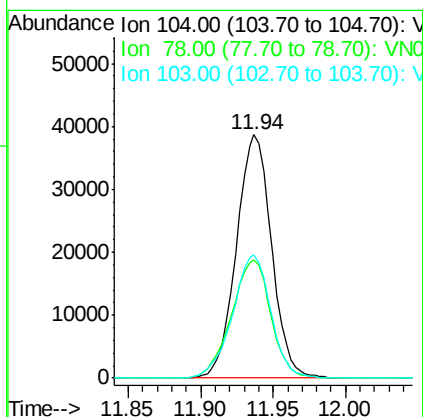
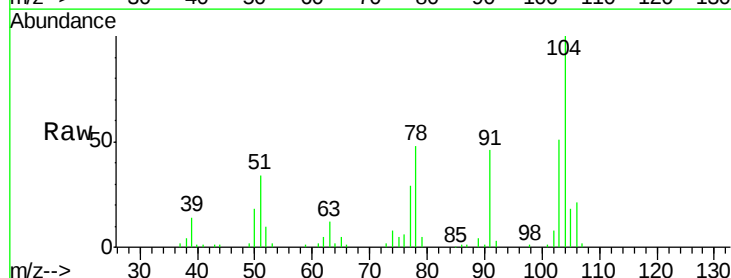
Instrument :
MSVOA_N
ClientSampled :

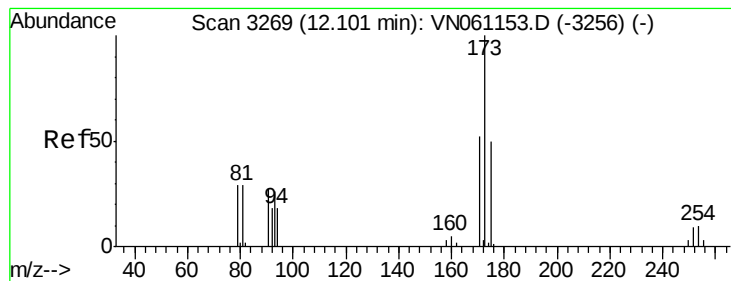
Tot Ion:106 Resp: 37753
Ion Ratio Lower Upper
106 100
91 227.2 109.7 329.0



#70
Styrene
Concen: 19.249 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion:104 Resp: 65163
Ion Ratio Lower Upper
104 100
78 54.4 42.1 63.1
103 54.9 43.3 64.9





#71

Bromoform

Concen: 19.931 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

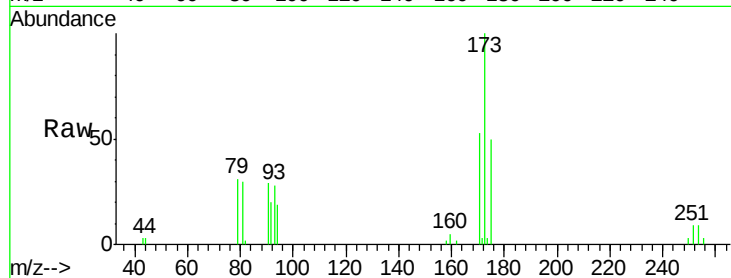
Tot Ion:173 Resp: 16111

Ion Ratio Lower Upper

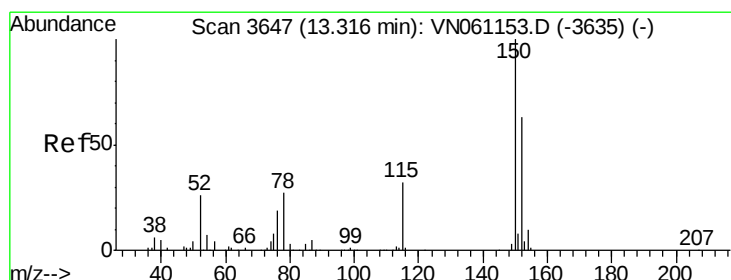
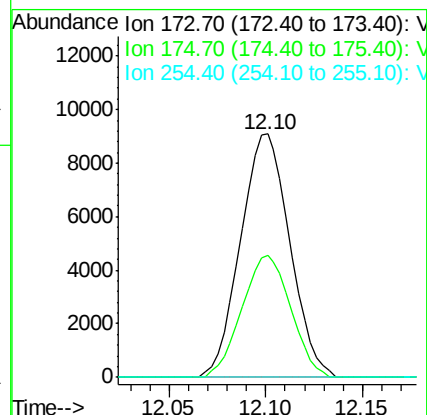
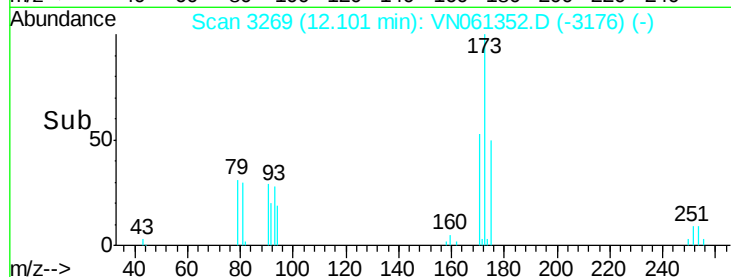
173 100

175 49.5 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: VN061352.D

Acq: 8 May 2020 11:24

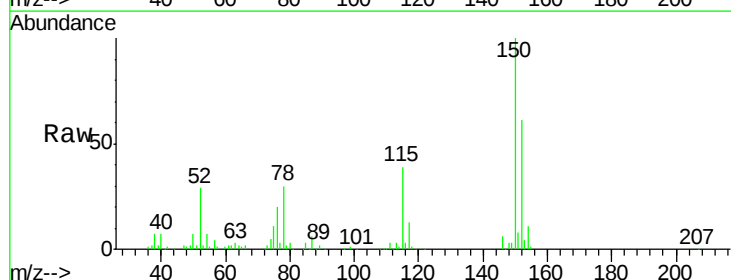
Tgt Ion:152 Resp: 70887

Ion Ratio Lower Upper

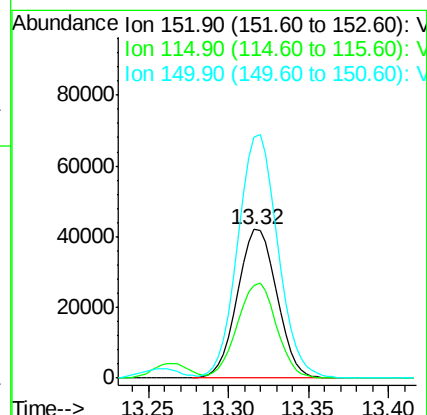
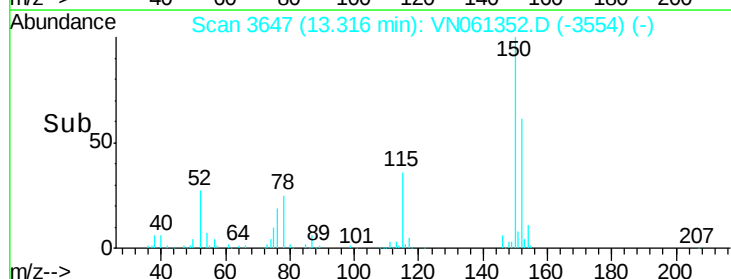
152 100

115 63.3 31.0 93.0

150 166.0 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: 20.199 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

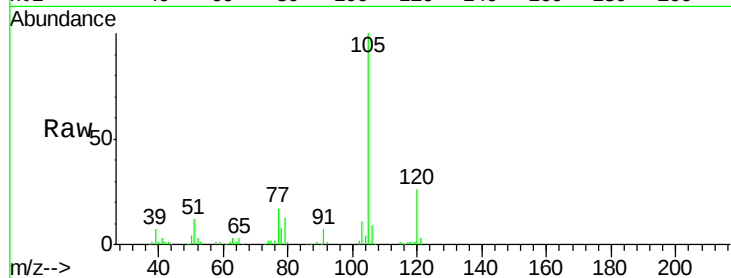
ClientSampleId :

Tot Ion:105 Resp: 105264

Ion Ratio Lower Upper

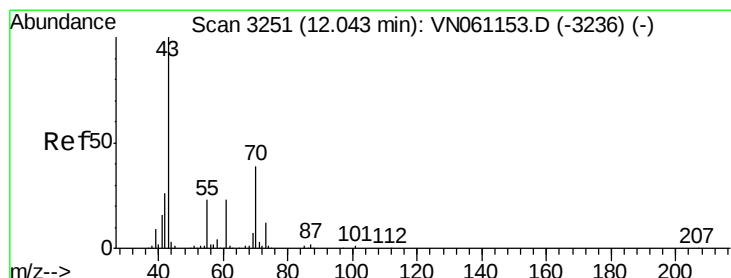
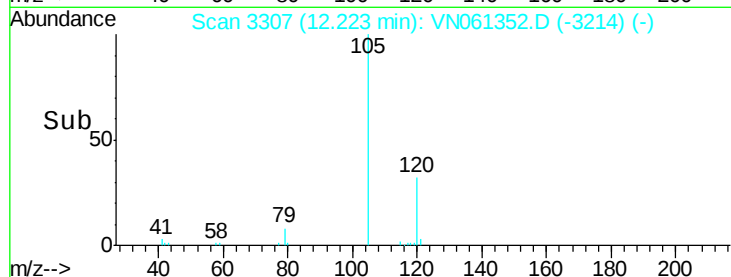
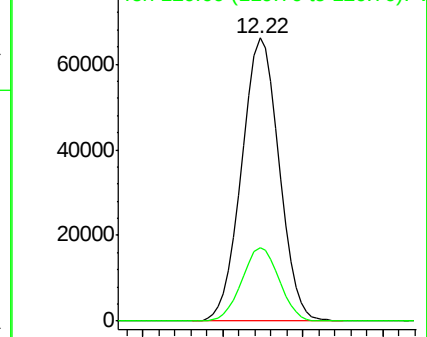
105 100

120 25.8 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.964 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Tgt Ion: 43 Resp: 52683

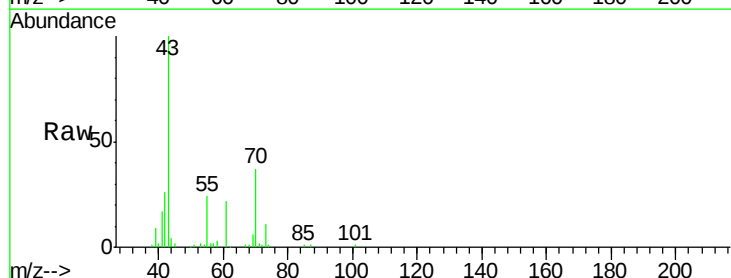
Ion Ratio Lower Upper

43 100

70 36.9 30.6 46.0

55 23.8 18.5 27.7

61 21.6 17.9 26.9

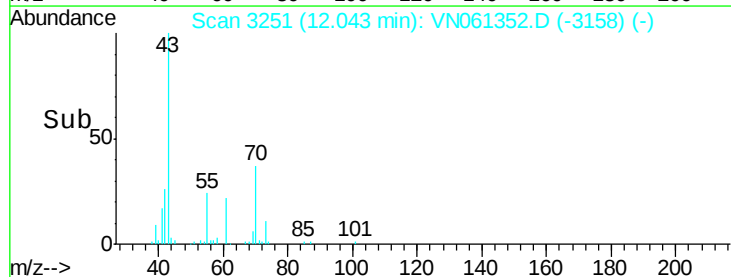
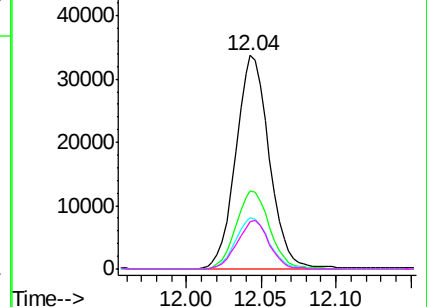


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.640 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

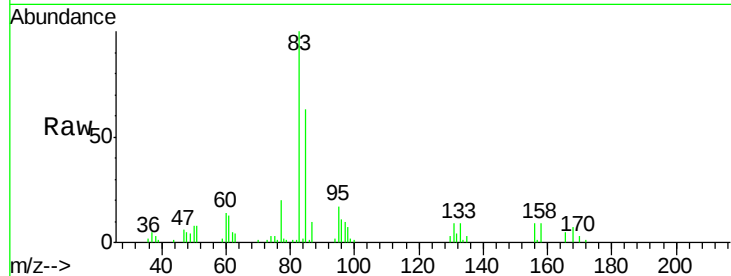
Tot Ion: 83 Resp: 35163

Ion Ratio Lower Upper

83 100

131 9.2 4.8 14.3

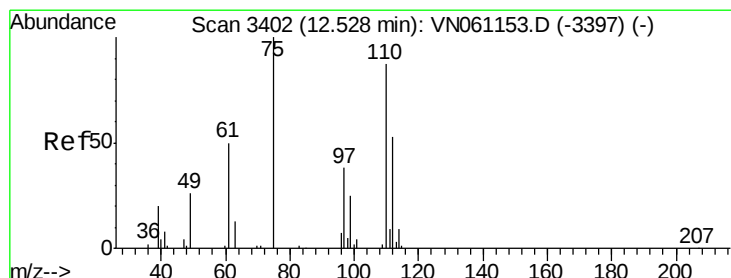
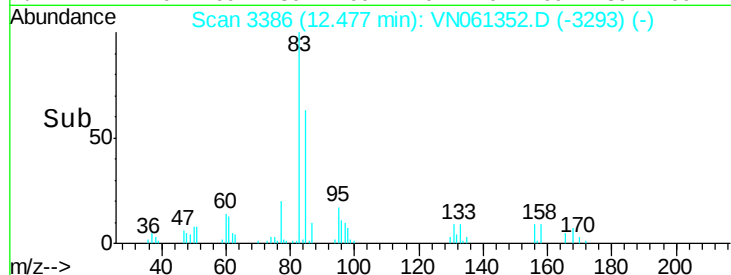
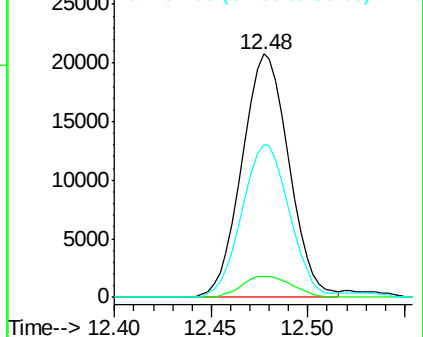
85 63.6 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.787 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061352.D

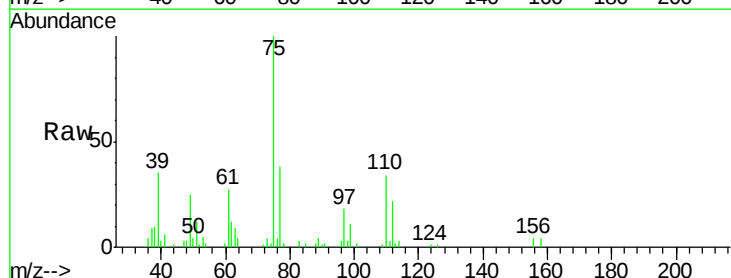
Acq: 8 May 2020 11:24

Tgt Ion: 75 Resp: 47505

Ion Ratio Lower Upper

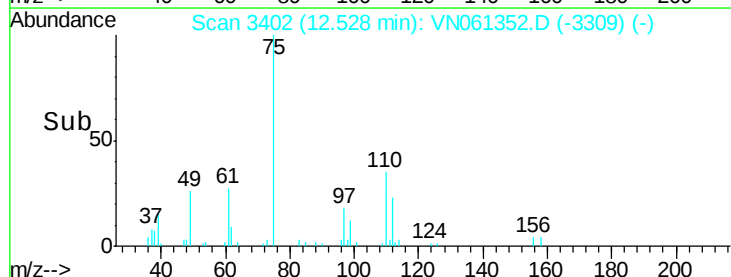
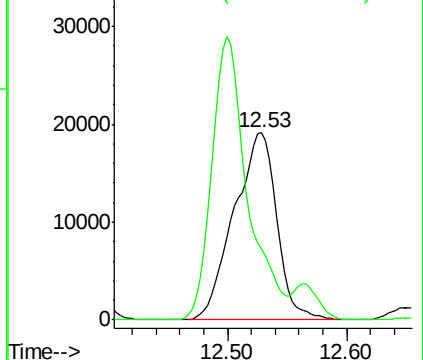
75 100

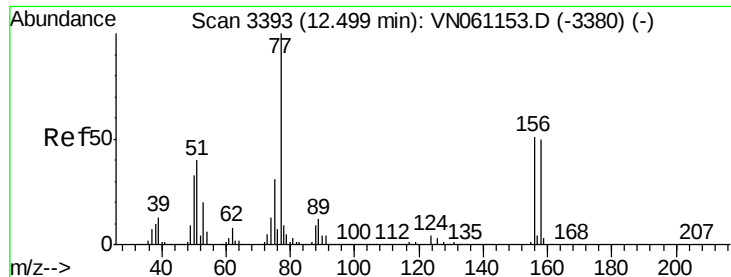
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.507 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

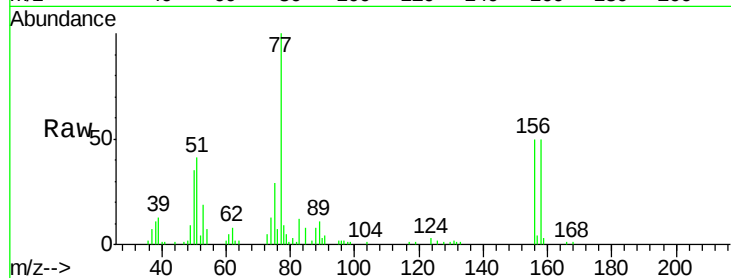
Tot Ion:156 Resp: 24670

Ion	Ratio	Lower	Upper
156	100		
77	243.2	117.4	352.2
158	96.8	48.4	145.0

156 100

77 243.2 117.4 352.2

158 96.8 48.4 145.0

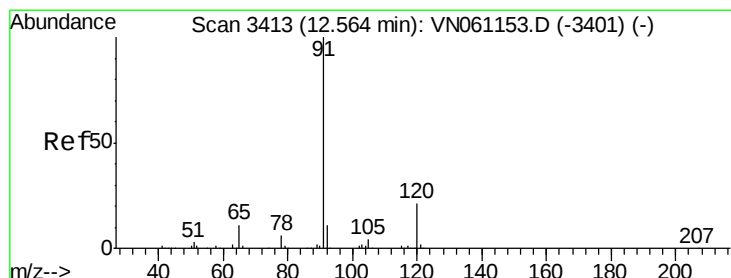
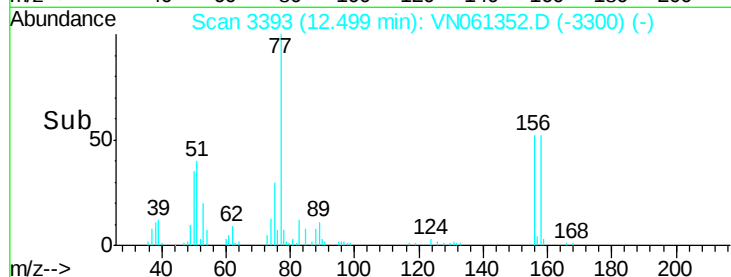
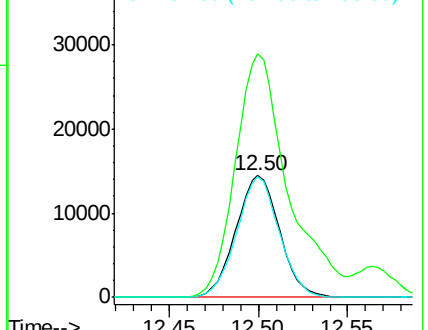


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.370 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061352.D

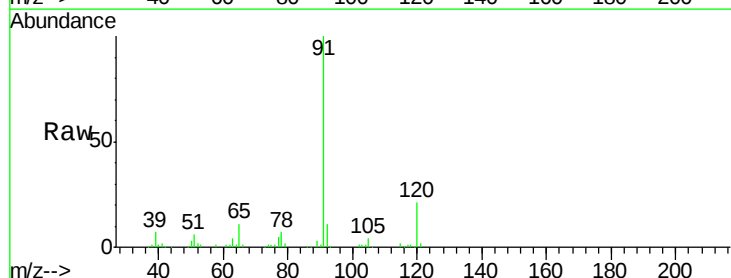
Acq: 8 May 2020 11:24

Tgt Ion: 91 Resp: 125911

Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.8	32.3

91 100

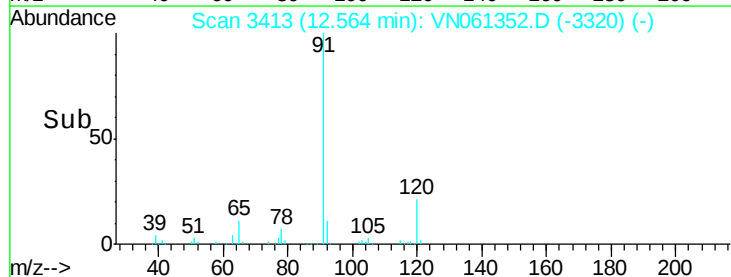
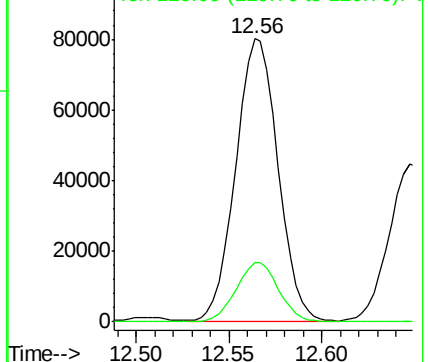
120 21.2 10.8 32.3

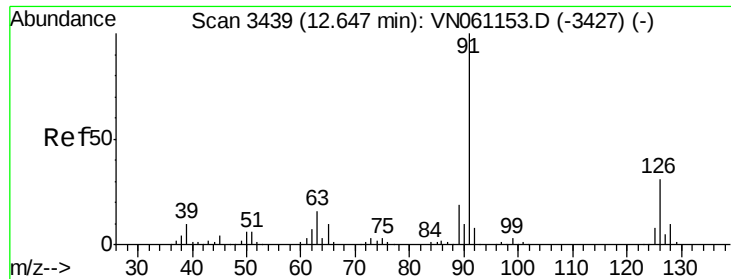


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

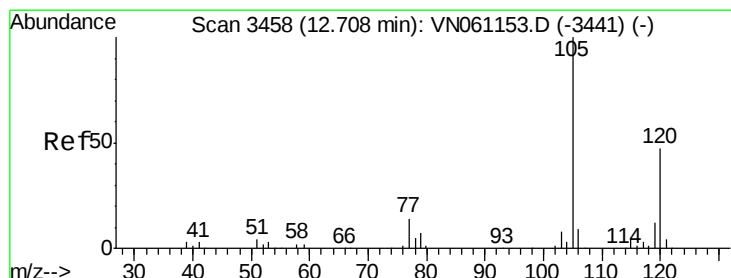
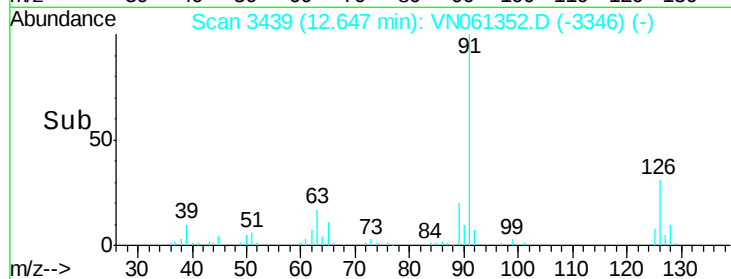
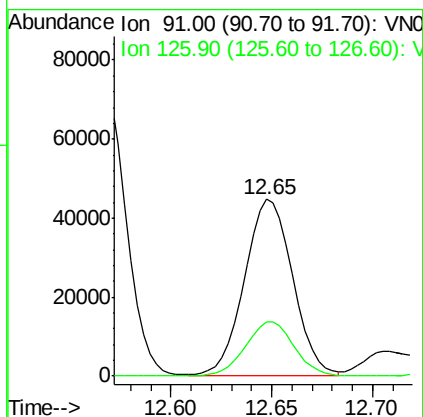
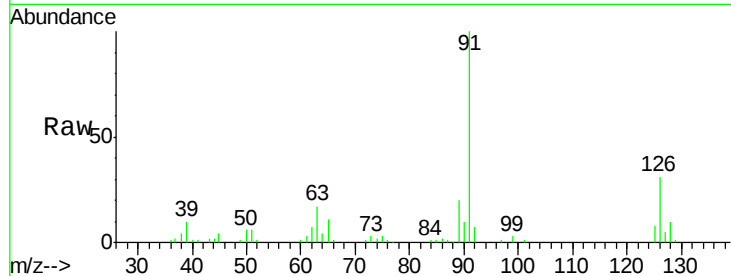




#79
 2-Chlorotoluene
 Concen: 20.457 ug/l
 RT: 12.65 min Scan# 3439
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

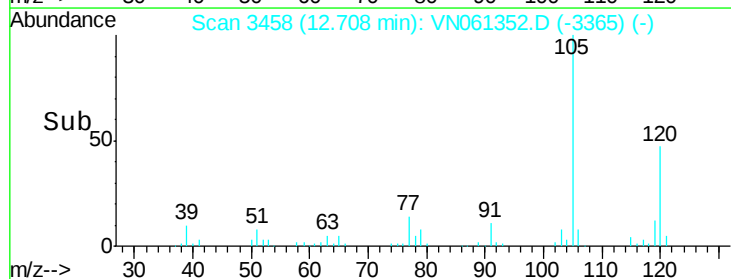
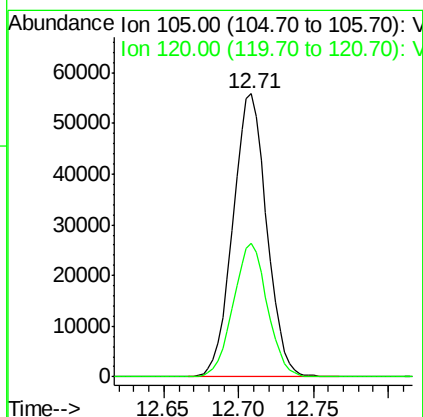
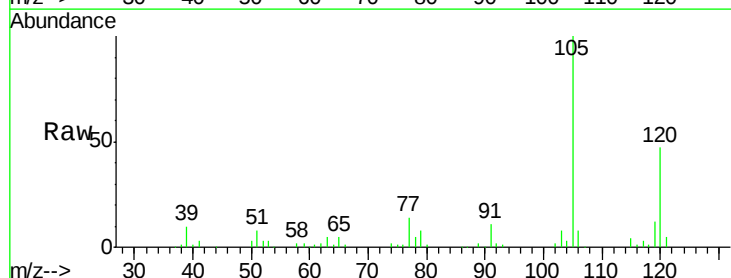
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 74321
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.9 47.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.388 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion: 105 Resp: 87935
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.326 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

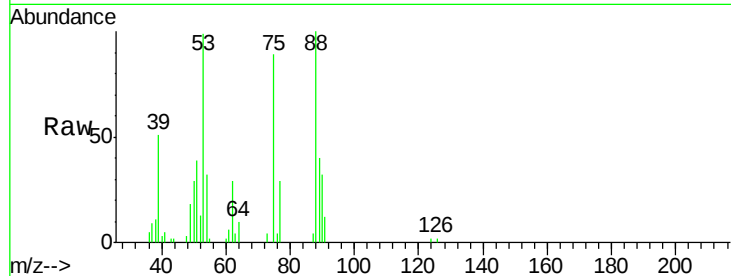
Tot Ion: 75 Resp: 11962

Ion Ratio Lower Upper

75 100

53 111.1 84.1 126.1

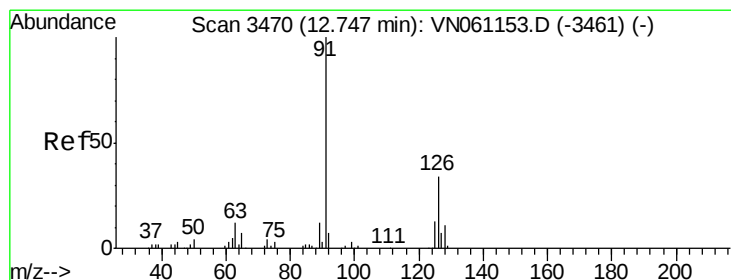
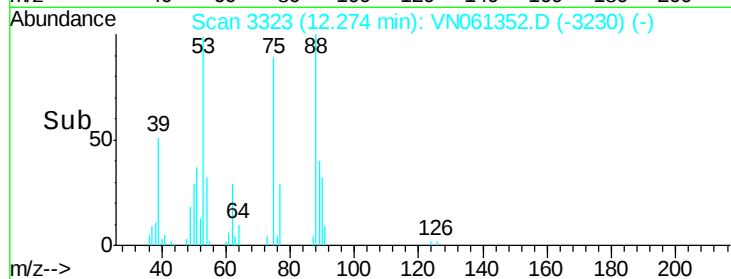
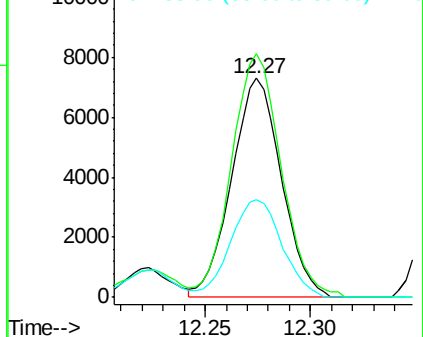
89 45.8 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.777 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061352.D

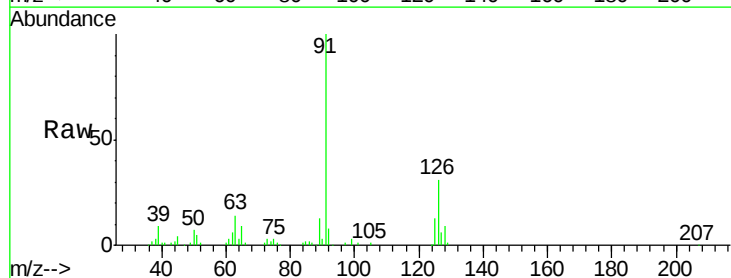
Acq: 8 May 2020 11:24

Tgt Ion: 91 Resp: 79559

Ion Ratio Lower Upper

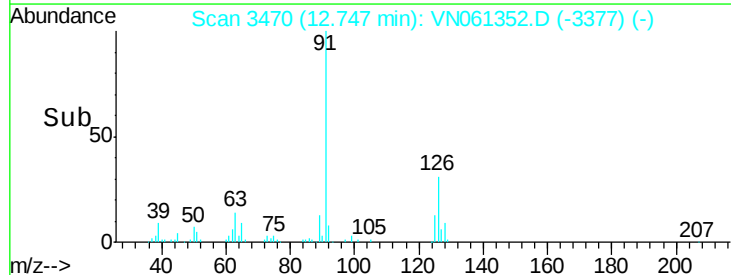
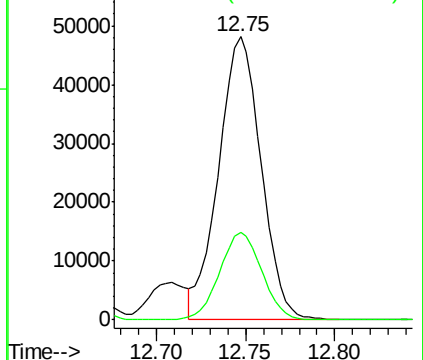
91 100

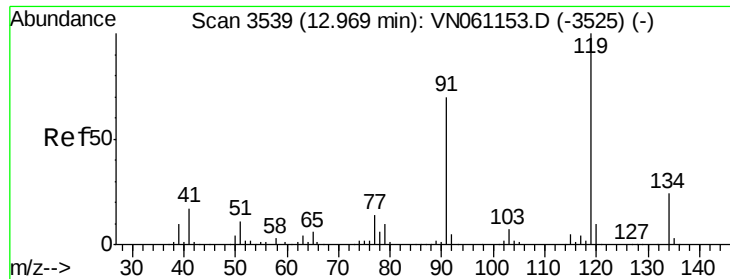
126 30.6 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

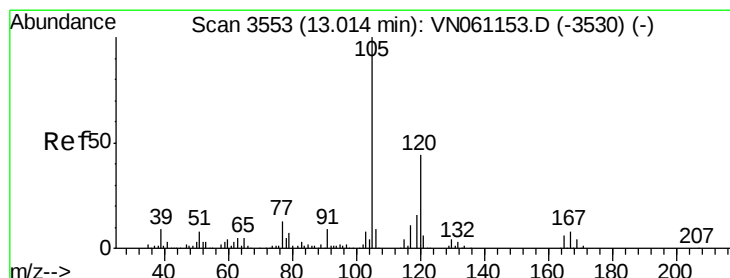
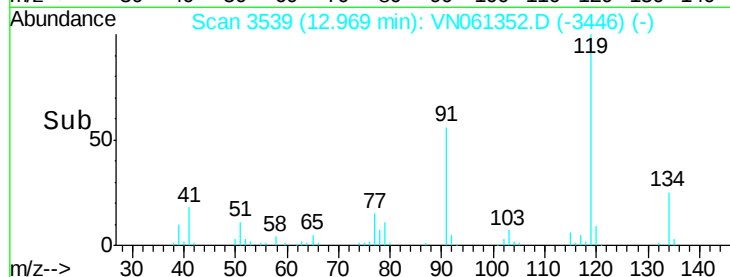
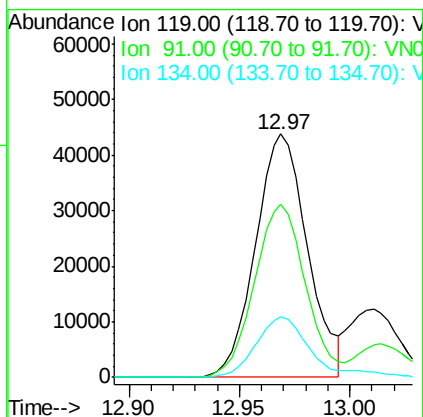
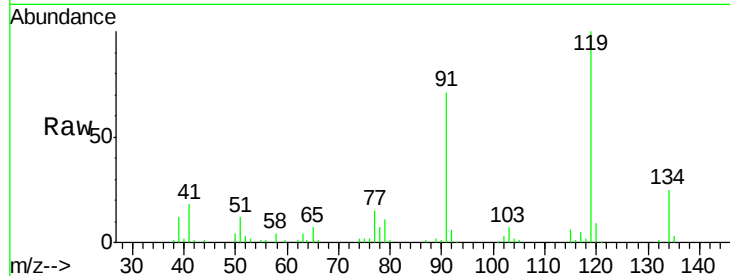




#83
tert-Butylbenzene
Concen: 19.612 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

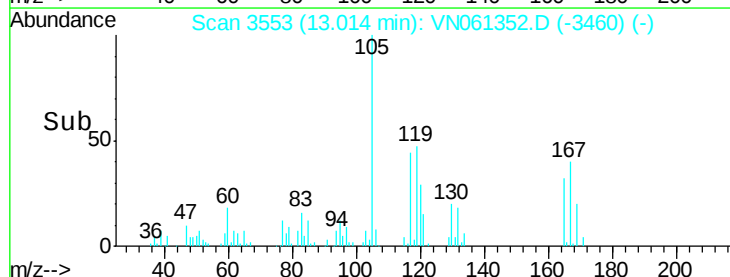
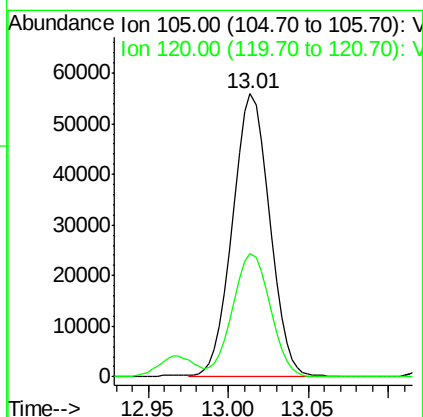
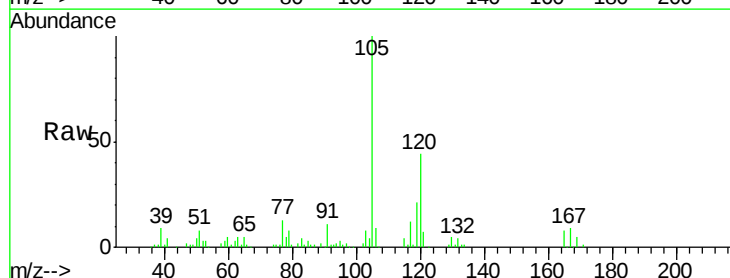
Instrument :
MSVOA_N
ClientSampleId :

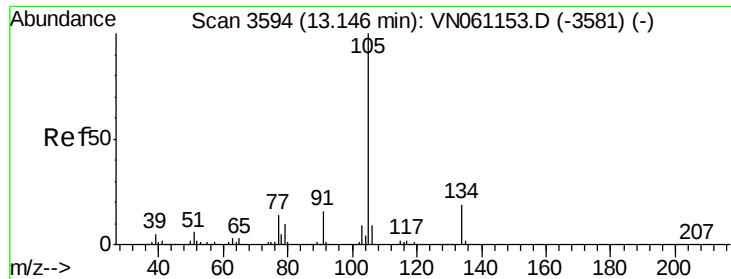
Tot Ion:119 Resp: 71325
Ion Ratio Lower Upper
119 100
91 70.3 34.8 104.4
134 26.2 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 19.932 ug/l
RT: 13.01 min Scan# 3553
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion:105 Resp: 88572
Ion Ratio Lower Upper
105 100
120 44.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.178 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

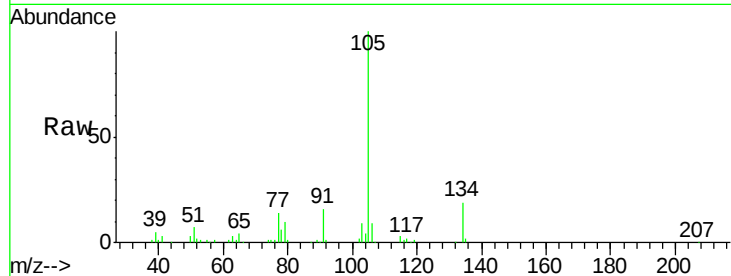
ClientSampleId :

Tot Ion:105 Resp: 95093

Ion Ratio Lower Upper

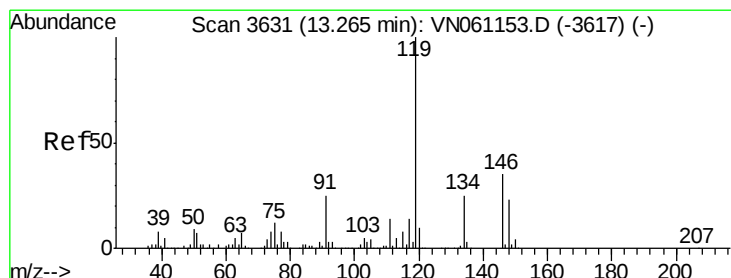
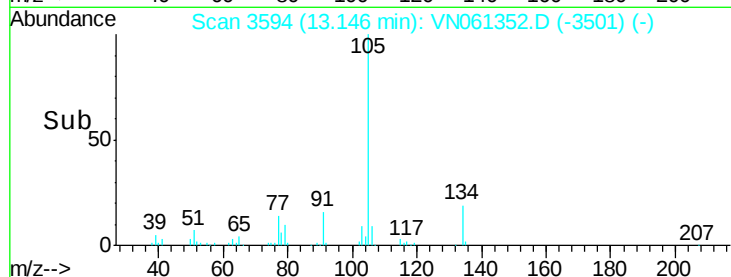
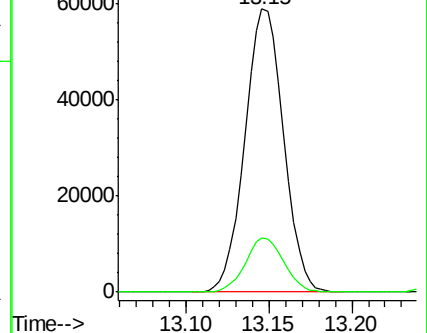
105 100

134 19.0 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.969 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

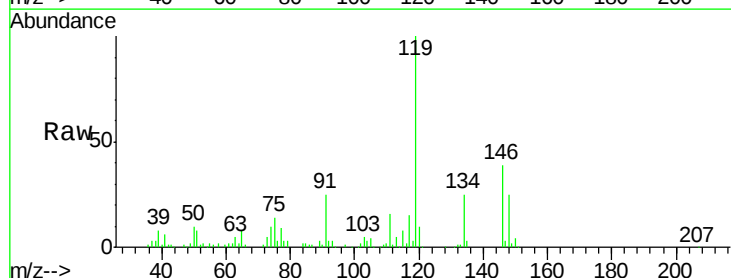
Tgt Ion:119 Resp: 84745

Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.6

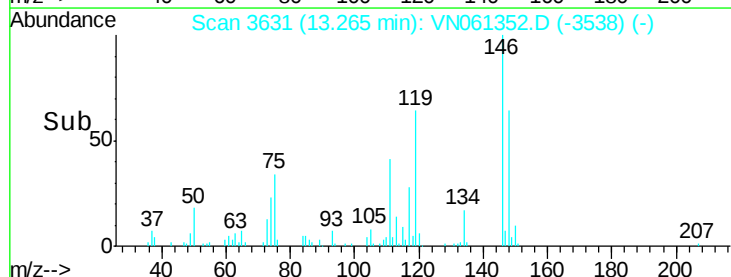
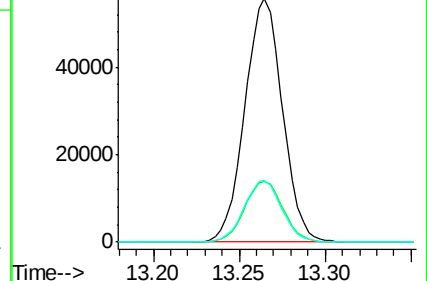
91 25.4 12.7 38.0

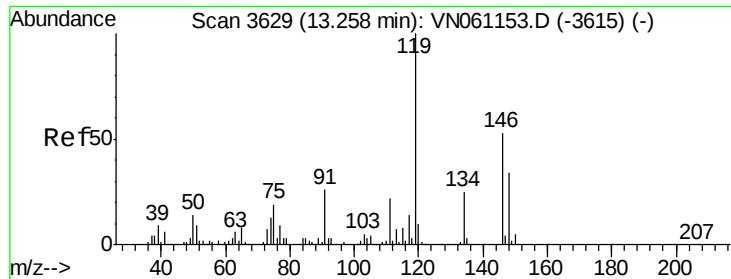


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

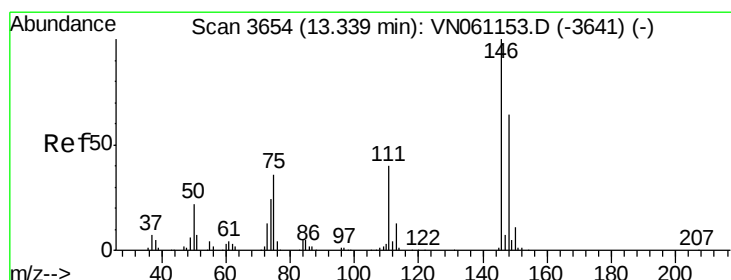
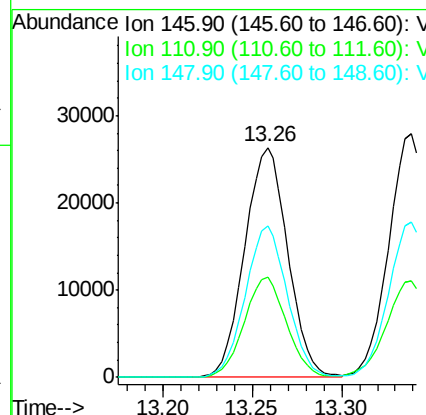
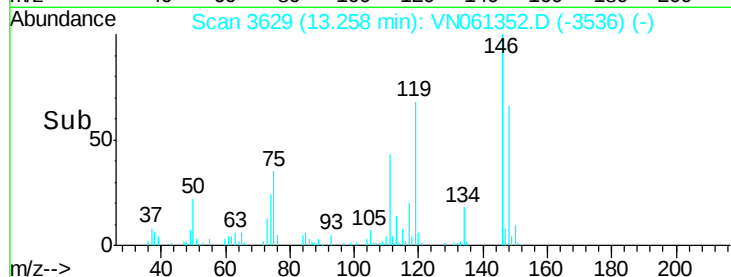
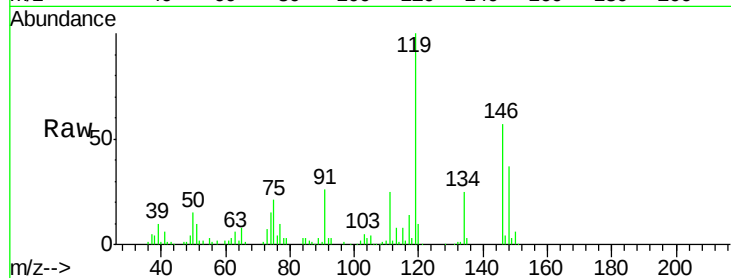




#87
 1,3-Dichlorobenzene
 Concen: 20.080 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

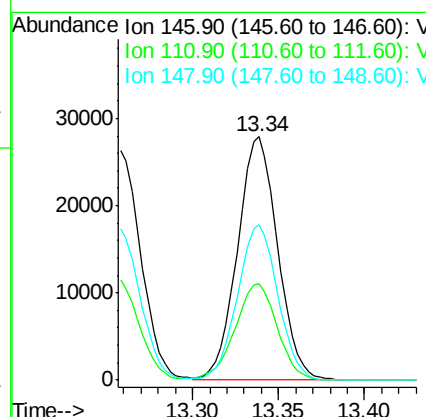
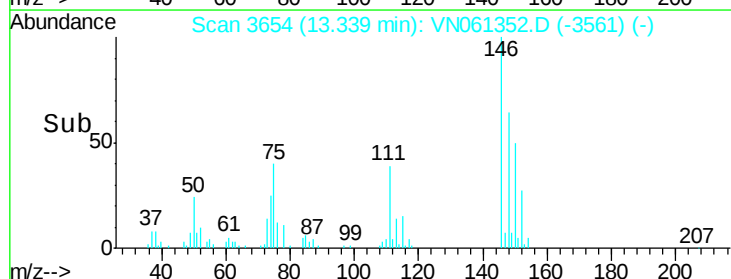
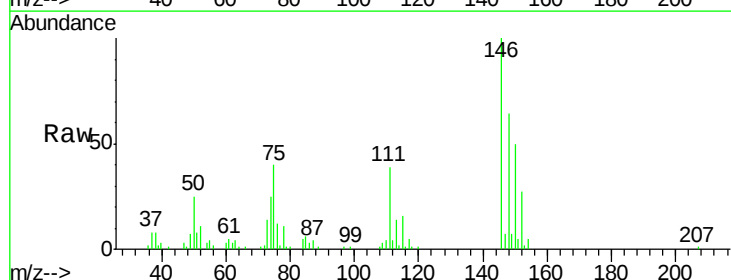
Instrument :
 MSVOA_N
 ClientSampled :

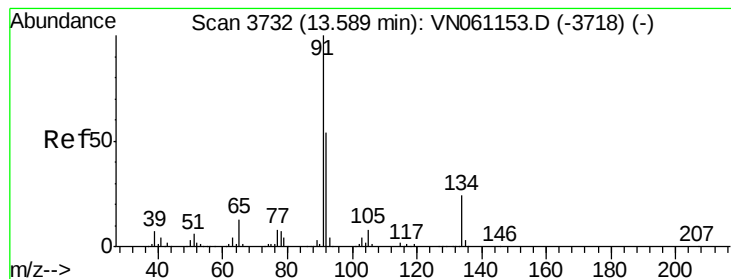
Tot Ion:146 Resp: 44470
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.7 62.1
 148 64.2 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.998 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion:146 Resp: 45251
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.4 61.3
 148 64.3 31.9 95.7





#89

n-Butylbenzene

Concen: 18.302 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

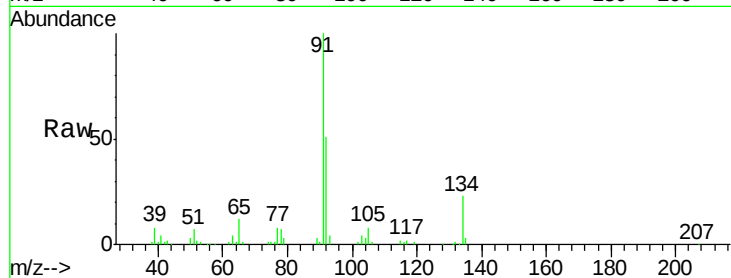
Tot Ion: 91 Resp: 74956

Ion Ratio Lower Upper

91 100

92 52.1 26.8 80.3

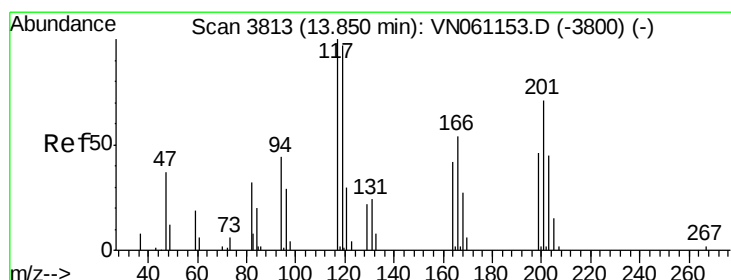
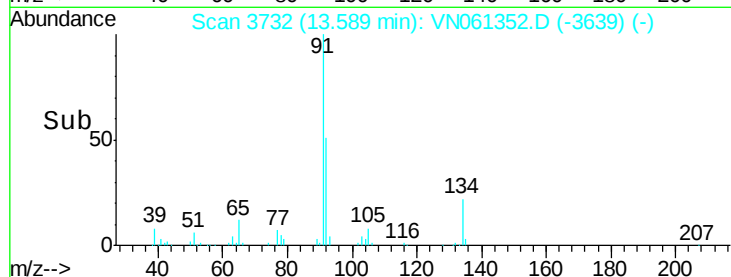
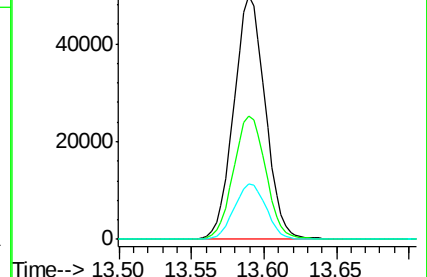
134 23.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3718) (-)

Ion 92.00 (91.70 to 92.70): VN061153.D (-3718) (-)

Ion 134.00 (133.70 to 134.70): VN061153.D (-3718) (-)



#90

Hexachloroethane

Concen: 28.106 ug/l

RT: 13.85 min Scan# 3813

Delta R.T. 0.00 min

Lab File: VN061352.D

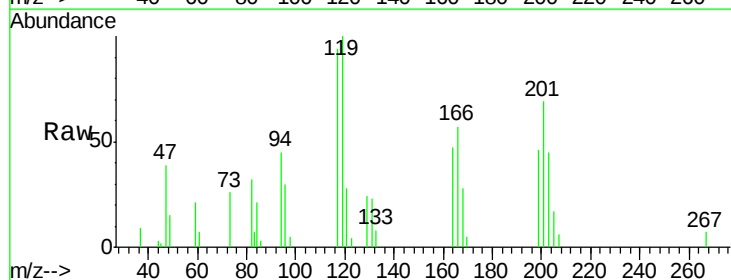
Acq: 8 May 2020 11:24

Tgt Ion: 117 Resp: 11261

Ion Ratio Lower Upper

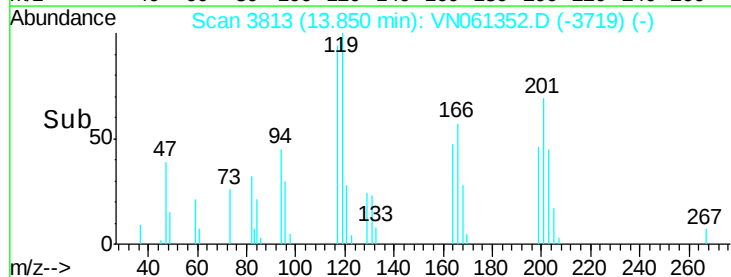
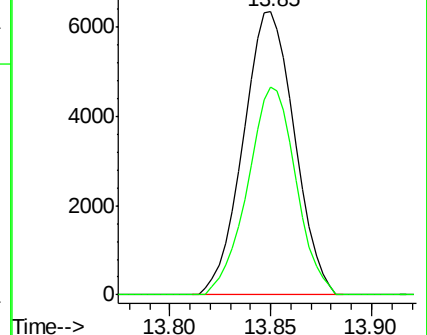
117 100

201 69.1 35.5 106.7



Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-3800) (-)

Ion 200.70 (200.40 to 201.40): VN061153.D (-3800) (-)





#91

1,2-Dichlorobenzene

Concen: 20.341 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

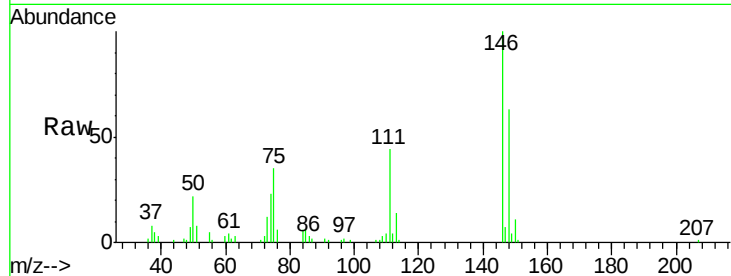
Tot Ion:146 Resp: 43193

Ion Ratio Lower Upper

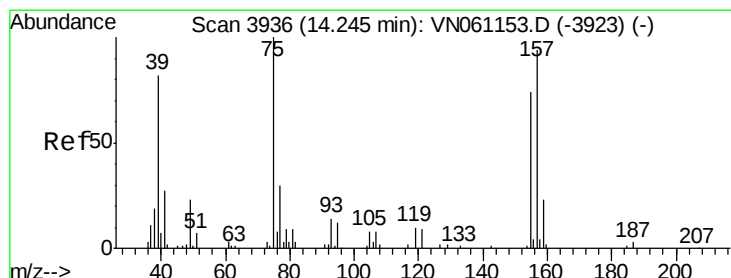
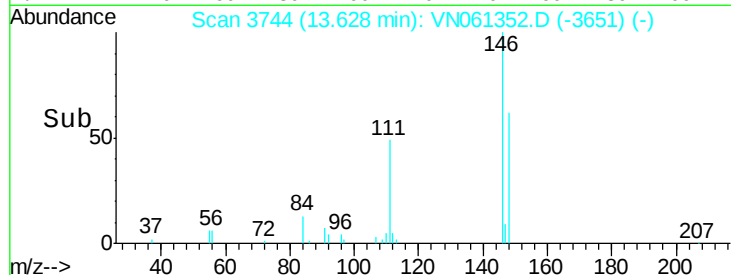
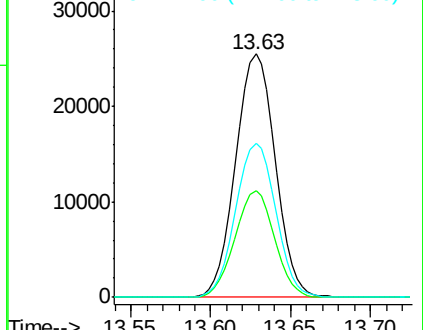
146 100

111 43.6 21.8 65.3

148 63.7 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.004 ug/l

RT: 14.25 min Scan# 3936

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

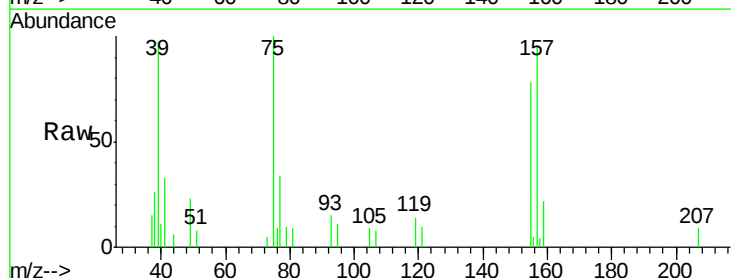
Tgt Ion: 75 Resp: 6865

Ion Ratio Lower Upper

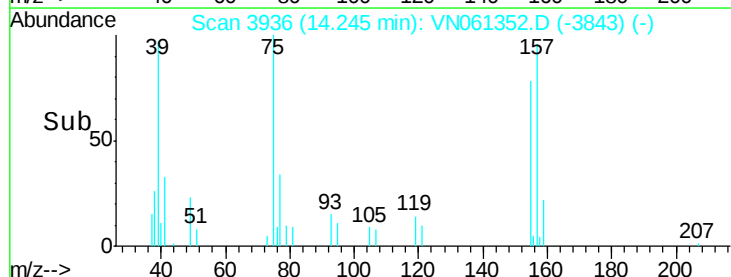
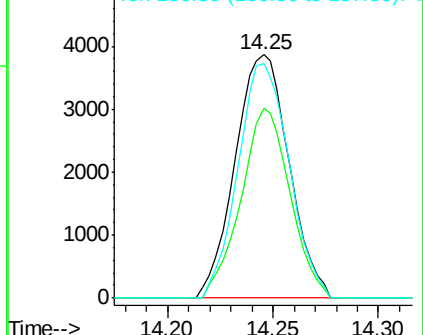
75 100

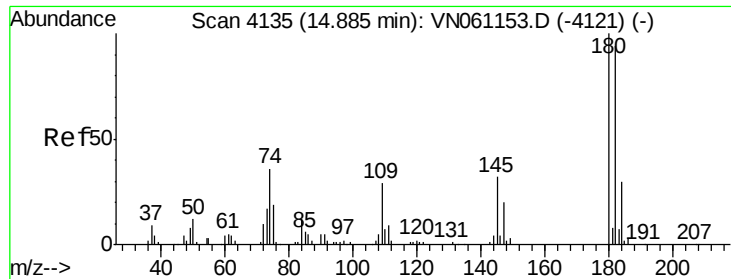
155 70.9 36.5 109.7

157 91.7 46.6 139.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

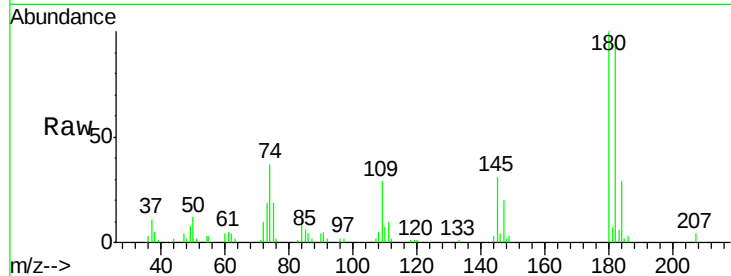




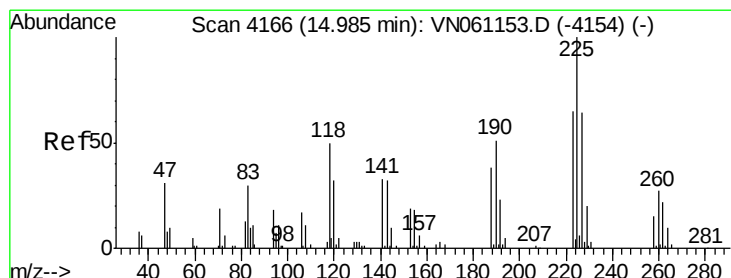
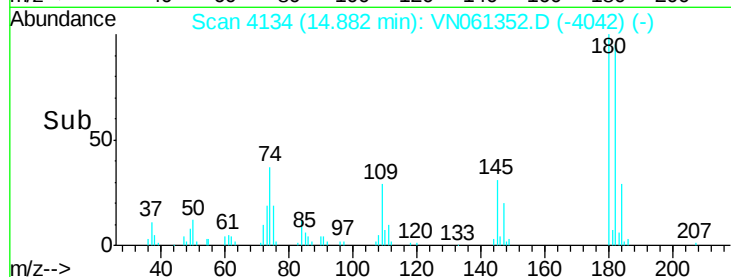
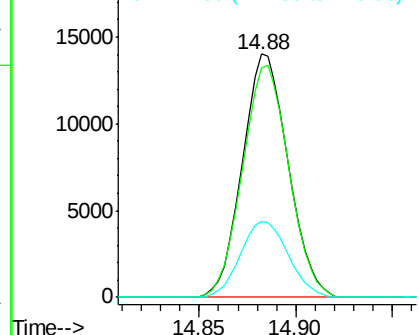
#93
 1,2,4-Trichlorobenzene
 Concen: 17.851 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 23083
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.3 141.9
 145 32.5 16.0 47.9

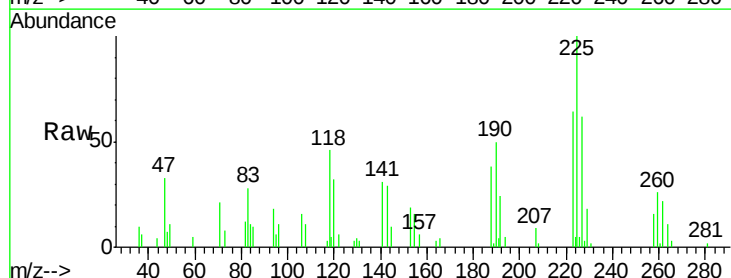


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

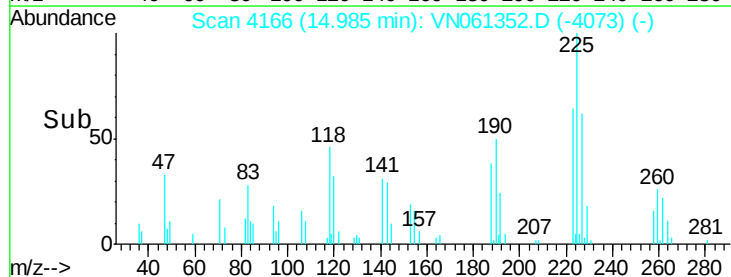
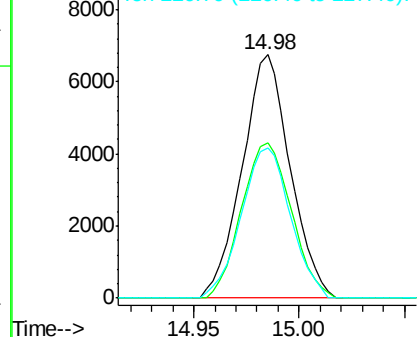


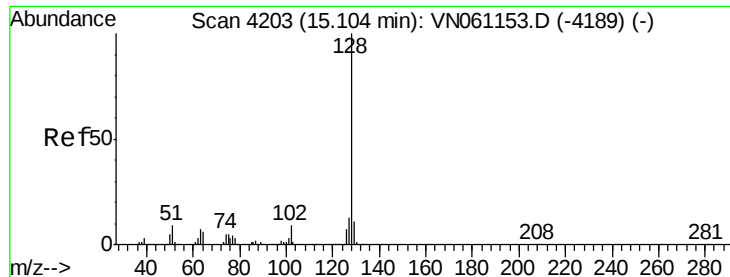
#94
 Hexachlorobutadiene
 Concen: 19.793 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion:225 Resp: 10692
 Ion Ratio Lower Upper
 225 100
 223 65.9 32.4 97.0
 227 63.2 32.4 97.0



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





#95

Naphthalene

Concen: 16.866 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

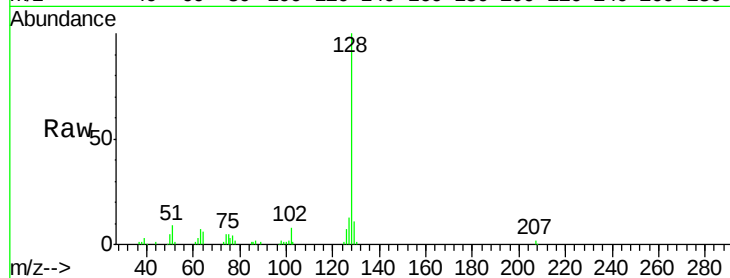
Tot Ion:128 Resp: 71025

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

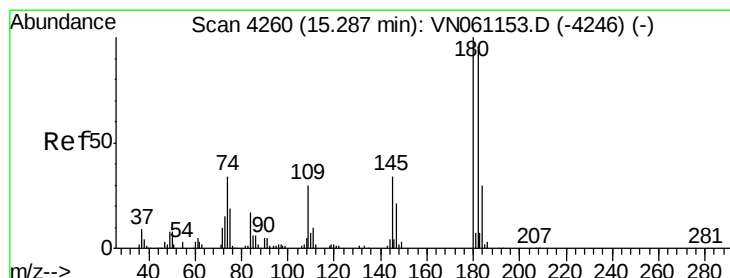
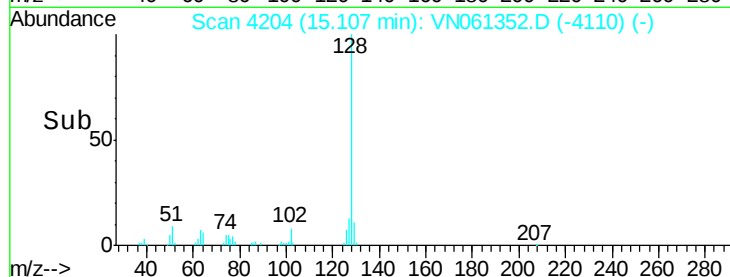
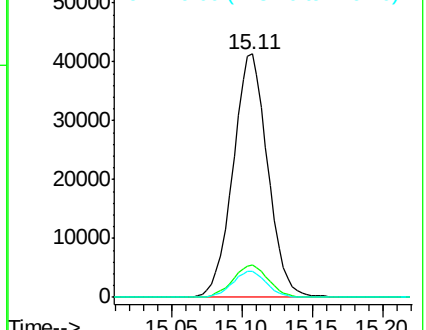
129 10.4 8.7 13.1



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: 17.942 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

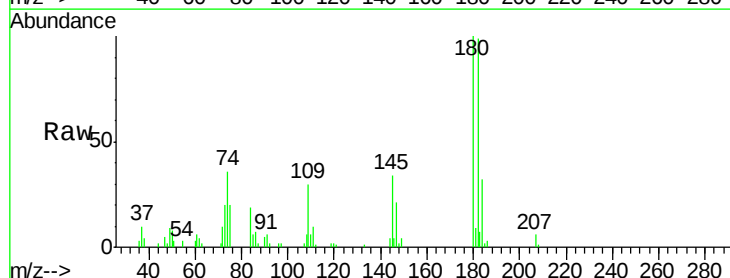
Tgt Ion:180 Resp: 22905

Ion Ratio Lower Upper

180 100

182 96.9 47.5 142.5

145 33.2 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

