

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061302.D
 Acq On : 6 May 2020 11:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 03:07:17 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	108839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	183076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	169770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	81597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	87761	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	7.54	113	48462	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	
50) Toluene-d8	10.06	98	231281	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.37	95	88531	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	53003	45.924	ug/l 99
3) Chloromethane	2.03	50	71611	51.231	ug/l 99
4) Vinyl Chloride	2.15	62	79627	50.154	ug/l 100
5) Bromomethane	2.52	94	32914	41.940	ug/l 98
6) Chloroethane	2.66	64	48925	48.618	ug/l 100
7) Trichlorofluoromethane	2.97	101	98319	54.890	ug/l 96
8) Diethyl Ether	3.37	74	39773	53.234	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	57426	49.765	ug/l 100
10) Methyl Iodide	3.90	142	60860	41.038	ug/l 100
11) Tert butyl alcohol	4.73	59	67142	291.039	ug/l 99
12) 1,1-Dichloroethene	3.69	96	54635	47.577	ug/l 100
13) Acrolein	3.56	56	35454	230.613	ug/l 97
14) Allyl chloride	4.27	41	119114	55.942	ug/l 99
15) Acrylonitrile	4.92	53	189688	267.852	ug/l 99
16) Acetone	3.77	43	189102	284.684	ug/l 100
17) Carbon Disulfide	4.00	76	115860	36.525	ug/l 100
18) Methyl Acetate	4.27	43	101414	46.696	ug/l 100
19) Methyl tert-butyl Ether	4.98	73	217449	49.556	ug/l 99
20) Methylene Chloride	4.49	84	64211	47.816	ug/l 99
21) trans-1,2-Dichloroethene	4.98	96	60057	48.029	ug/l 97
22) Diisopropyl ether	5.90	45	249879	50.608	ug/l 99
23) Vinyl Acetate	5.83	43	1023635	257.481	ug/l 100
24) 1,1-Dichloroethane	5.79	63	125148	48.512	ug/l 99
25) 2-Butanone	6.78	43	285935	280.586	ug/l 98
26) 2,2-Dichloropropane	6.77	77	114220	52.566	ug/l 99
27) cis-1,2-Dichloroethene	6.77	96	70622	48.127	ug/l 98
28) Bromochloromethane	7.14	49	61569	50.353	ug/l 97
29) Tetrahydrofuran	7.16	42	183829	267.792	ug/l 99
30) Chloroform	7.32	83	125542	48.021	ug/l 99
31) Cyclohexane	7.61	56	108985	43.501	ug/l 99
32) 1,1,1-Trichloroethane	7.52	97	108177	47.519	ug/l 99
36) 1,1-Dichloropropene	7.74	75	89842	49.022	ug/l 99
37) Ethyl Acetate	6.87	43	112842	52.521	ug/l 99
38) Carbon Tetrachloride	7.73	117	83013	49.662	ug/l 99

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 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)
39) Methylcyclohexane	9.04	83	98625	47.986	ug/l	98
40) Benzene	8.00	78	268427	49.163	ug/l	98
41) Methacrylonitrile	7.16	41	167986	188.313	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	106973	51.717	ug/l	99
43) Isopropyl Acetate	8.12	43	188426	52.844	ug/l #	92
44) Trichloroethene	8.80	130	69144	46.846	ug/l	100
45) 1,2-Dichloropropane	9.08	63	73179	50.168	ug/l	100
46) Dibromomethane	9.17	93	45699	50.598	ug/l	99
47) Bromodichloromethane	9.37	83	101118	52.161	ug/l	99
48) Methyl methacrylate	9.16	41	85871	53.368	ug/l	97
49) 1,4-Dioxane	9.16	88	22405	1226.703	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	582389	277.484	ug/l	100
52) Toluene	10.12	92	164705	50.082	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	114264	52.310	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	120339	52.111	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	66200	50.466	ug/l	99
56) Ethyl methacrylate	10.40	69	109717	48.107	ug/l	99
57) 1,3-Dichloropropane	10.68	76	117051	50.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	330963	311.696	ug/l	99
59) 2-Hexanone	10.72	43	439459	287.805	ug/l	100
60) Dibromochloromethane	10.87	129	70861	51.577	ug/l	99
61) 1,2-Dibromoethane	10.98	107	67498	51.338	ug/l	100
64) Tetrachloroethene	10.60	164	67088	45.626	ug/l	99
65) Chlorobenzene	11.40	112	169030	50.192	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	64352	53.390	ug/l	99
67) Ethyl Benzene	11.48	91	323428	51.303	ug/l	99
68) m/p-Xylenes	11.59	106	236530	102.503	ug/l	98
69) o-Xylene	11.92	106	112218	50.628	ug/l	97
70) Styrene	11.94	104	192945	52.009	ug/l	99
71) Bromoform	12.10	173	49278	55.628	ug/l #	99
73) Isopropylbenzene	12.22	105	309743	51.636	ug/l	100
74) N-amyl acetate	12.04	43	163771	53.915	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	99393	53.139	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	139361	81.010	ug/l #	100
77) Bromobenzene	12.50	156	69737	50.361	ug/l	96
78) n-propylbenzene	12.56	91	371231	52.176	ug/l	100
79) 2-Chlorotoluene	12.65	91	216722	51.822	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	262352	52.843	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	38273	56.499	ug/l	99
82) 4-Chlorotoluene	12.75	91	230918	52.390	ug/l	98
83) tert-Butylbenzene	12.97	119	217053	51.848	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	263091	51.434	ug/l	100
85) sec-Butylbenzene	13.15	105	295883	51.840	ug/l	100
86) p-Isopropyltoluene	13.26	119	266286	51.782	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	129154	50.665	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	128853	49.471	ug/l	99
89) n-Butylbenzene	13.59	91	244712	51.908	ug/l	100
90) Hexachloroethane	13.85	117	32791	59.435	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	123391	50.482	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21265	53.830	ug/l	99

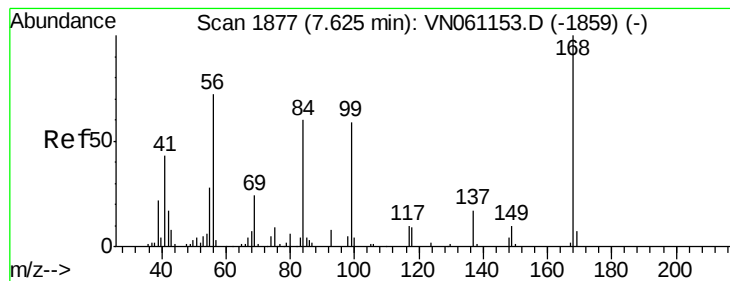
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	72206	48.511	ug/l	99
94) Hexachlorobutadiene	14.99	225	32169	51.734	ug/l	98
95) Naphthalene	15.11	128	233325	48.134	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	71440	48.614	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

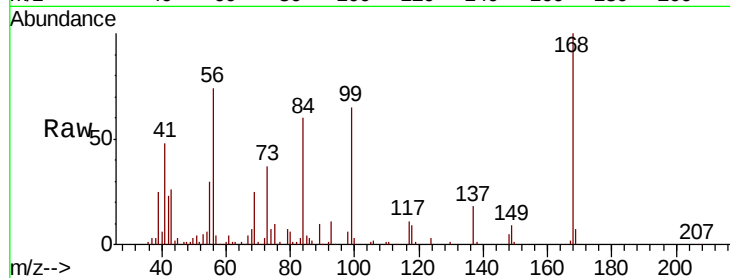
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 108839

Ion Ratio Lower Upper

168 100

99 64.9 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

50000

40000

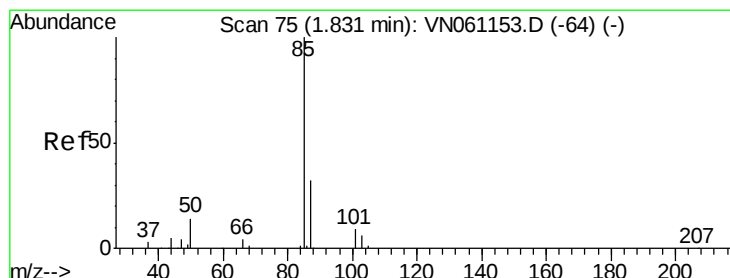
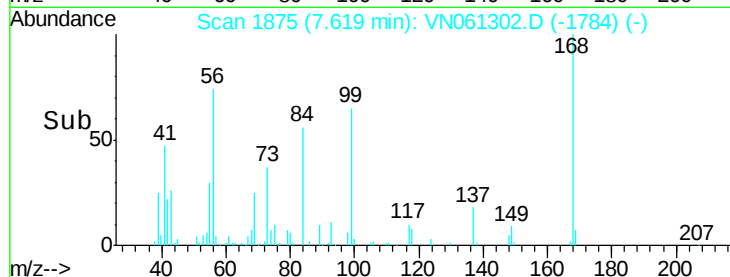
30000

20000

10000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 45.924 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061302.D

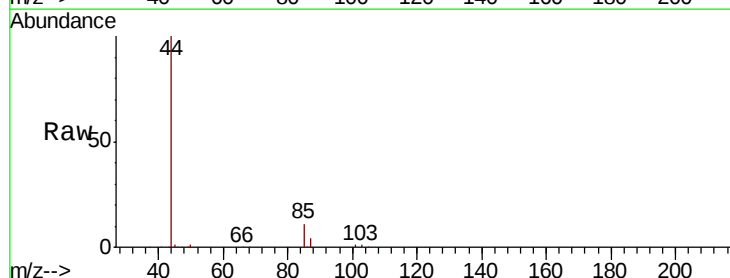
Acq: 6 May 2020 11:14

Tgt Ion: 85 Resp: 53003

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

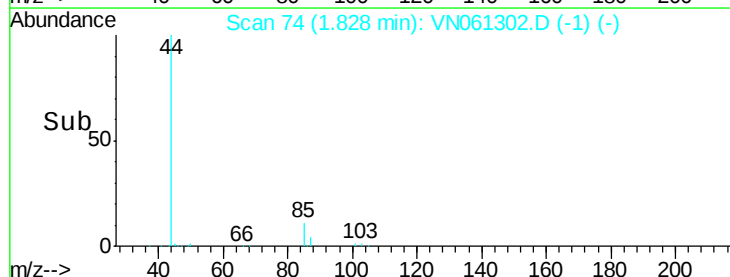
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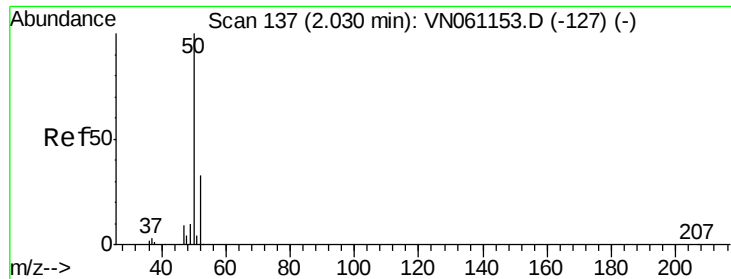
20000

10000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 51.231 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

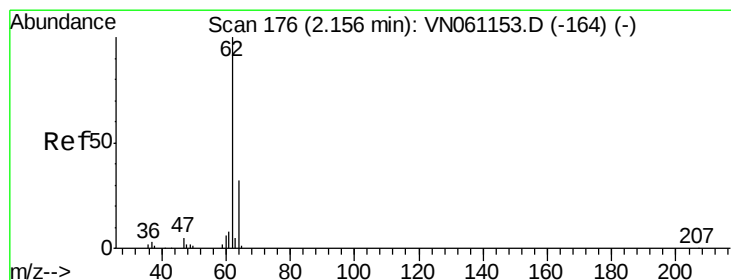
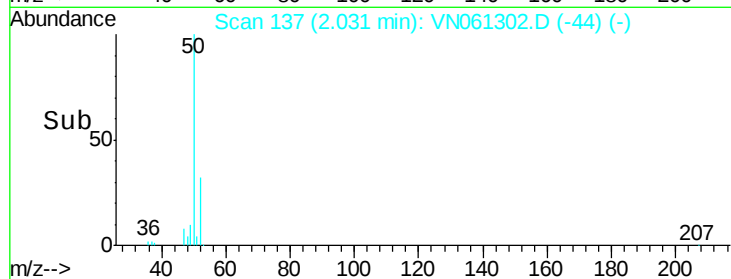
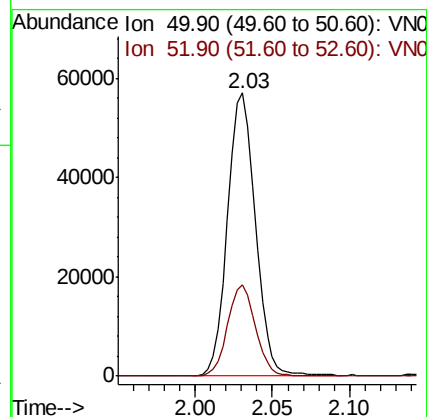
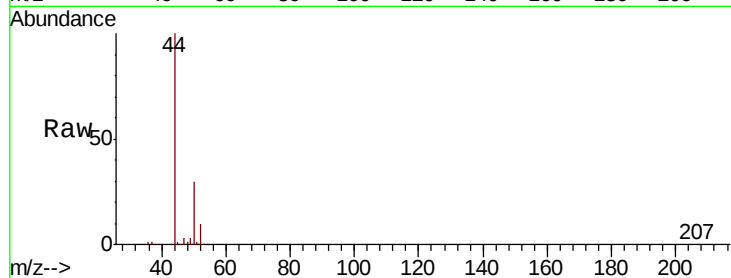
ClientSampleId :

Tot Ion: 50 Resp: 71611

Ion Ratio Lower Upper

50 100

52 32.1 26.0 39.0



#4

Vinyl Chloride

Concen: 50.154 ug/l

RT: 2.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VN061302.D

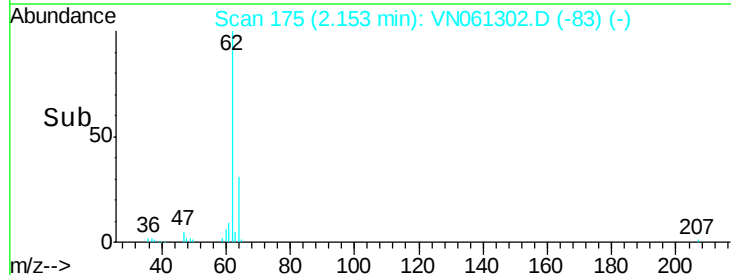
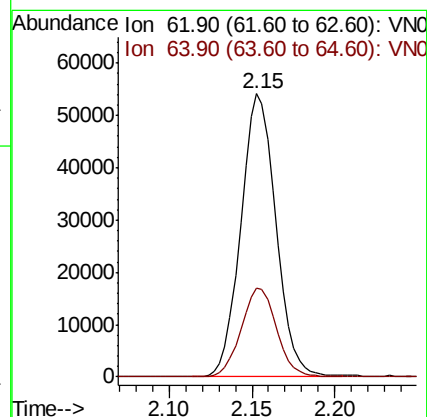
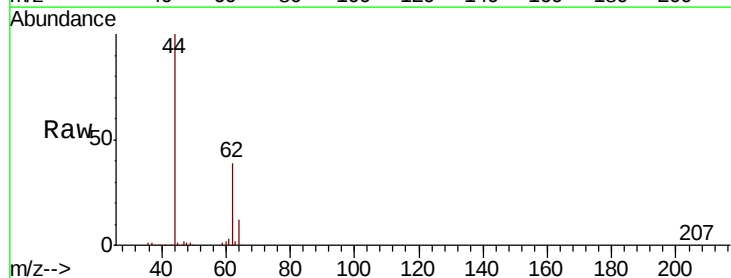
Acq: 6 May 2020 11:14

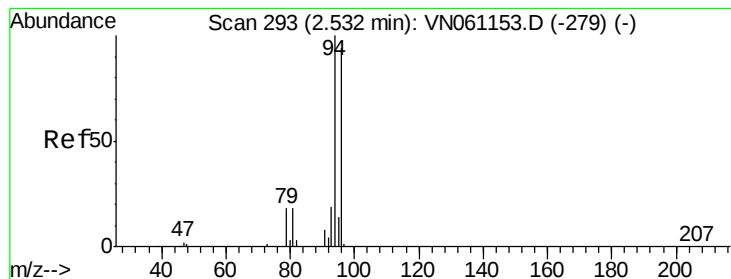
Tgt Ion: 62 Resp: 79627

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 41.940 ug/l

RT: 2.52 min Scan# 288

Delta R.T. -0.02 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

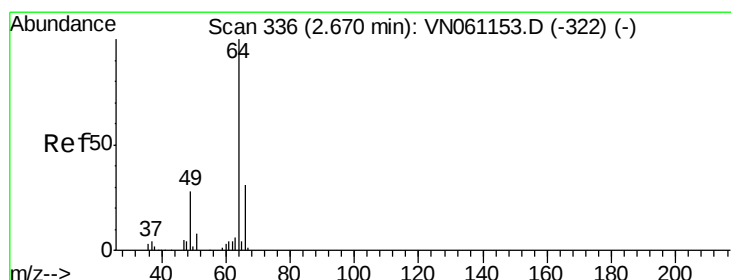
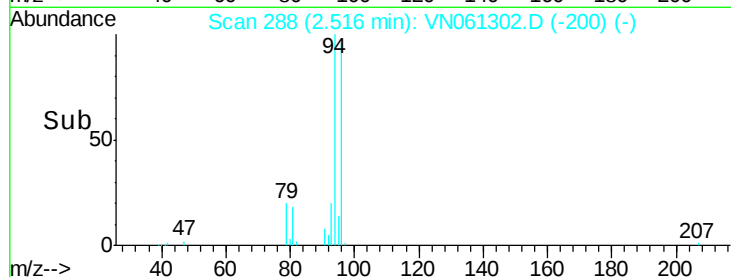
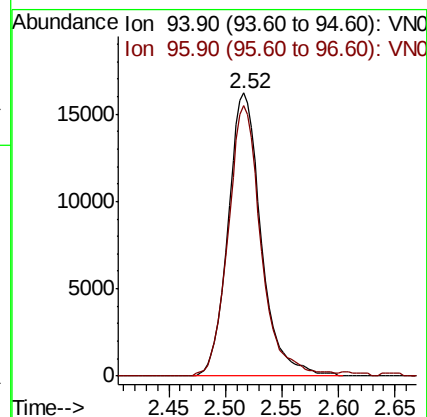
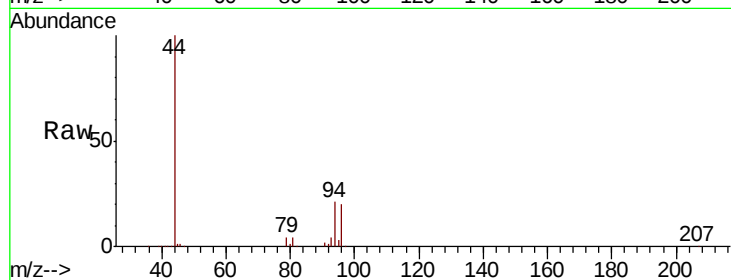
ClientSampled :

Tot Ion: 94 Resp: 32914

Ion Ratio Lower Upper

94 100

96 95.5 75.1 112.7



#6

Chloroethane

Concen: 48.618 ug/l

RT: 2.66 min Scan# 333

Delta R.T. -0.01 min

Lab File: VN061302.D

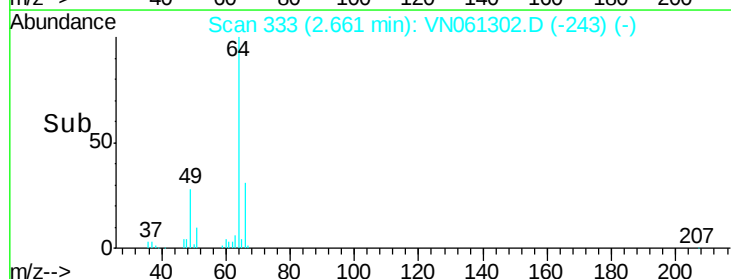
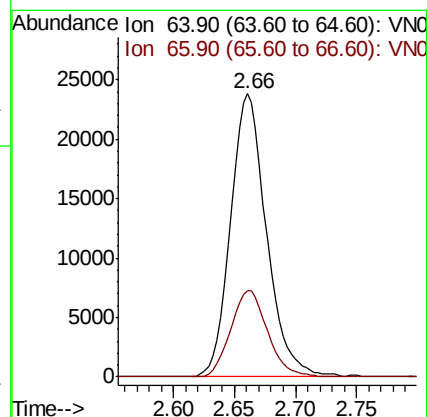
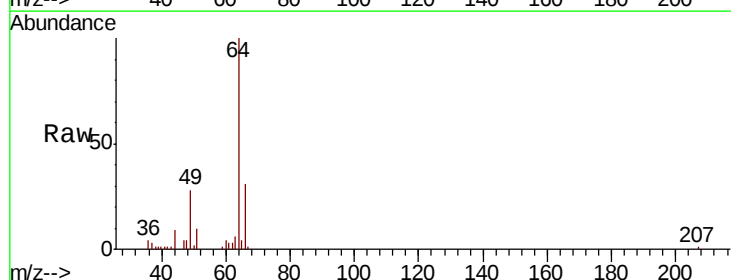
Acq: 6 May 2020 11:14

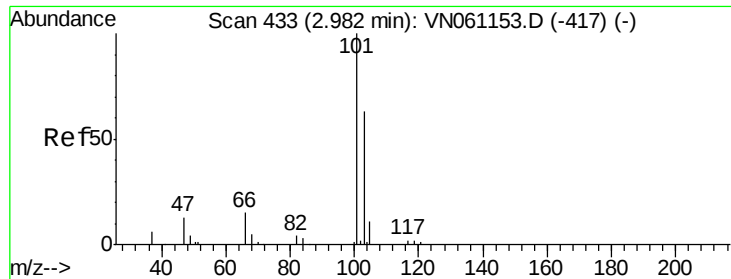
Tgt Ion: 64 Resp: 48925

Ion Ratio Lower Upper

64 100

66 30.6 24.6 36.8



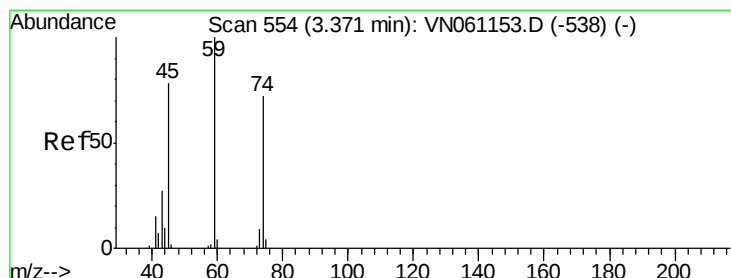
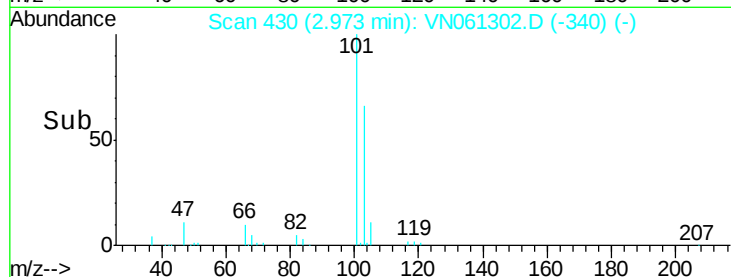
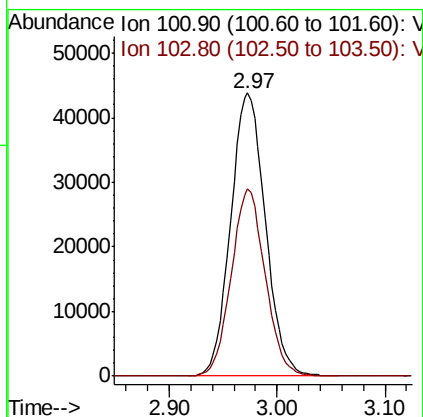
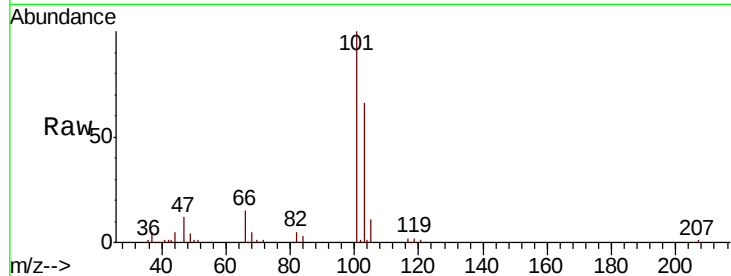


#7

Trichlorofluoromethane
 Concen: 54.890 ug/l
 RT: 2.97 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :

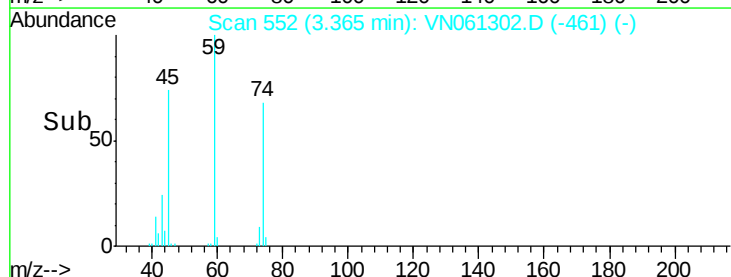
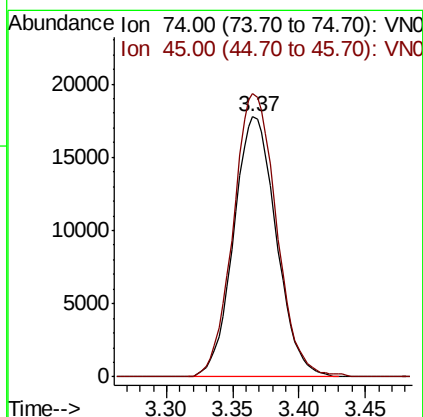
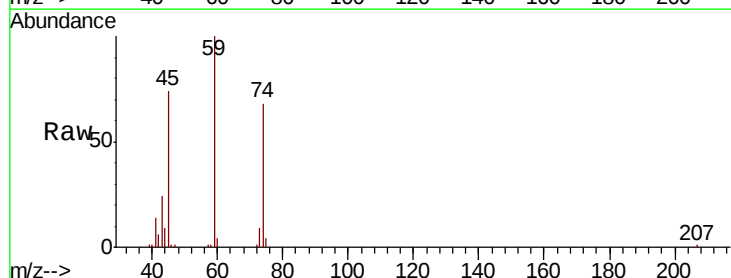
Tot Ion:101 Resp: 98319
 Ion Ratio Lower Upper
 101 100
 103 66.3 50.6 76.0



#8

Diethyl Ether
 Concen: 53.234 ug/l
 RT: 3.37 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion: 74 Resp: 39773
 Ion Ratio Lower Upper
 74 100
 45 110.4 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.765 ug/l

RT: 3.71 min Scan# 659

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

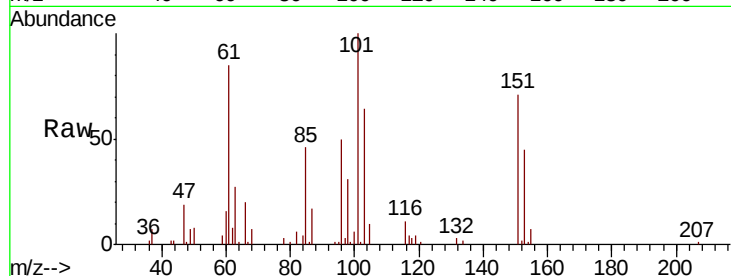
Tot Ion:101 Resp: 57426

Ion Ratio Lower Upper

101 100

85 46.7 37.2 55.8

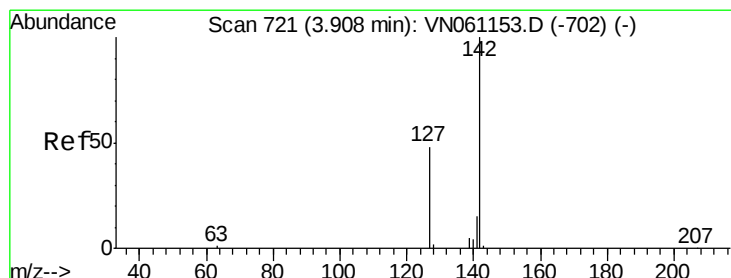
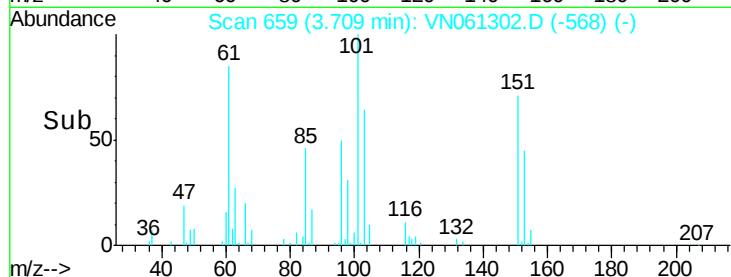
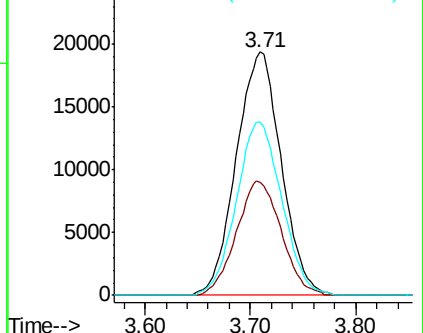
151 71.8 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.038 ug/l

RT: 3.90 min Scan# 719

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

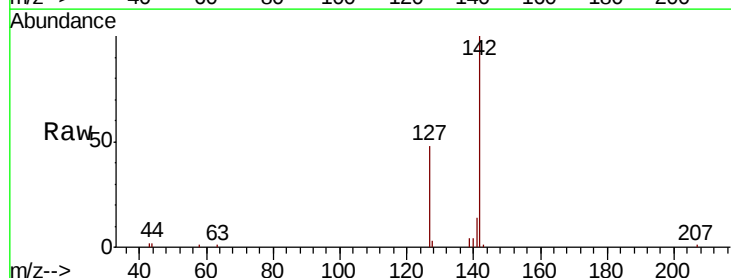
Tgt Ion:142 Resp: 60860

Ion Ratio Lower Upper

142 100

127 47.5 38.0 57.0

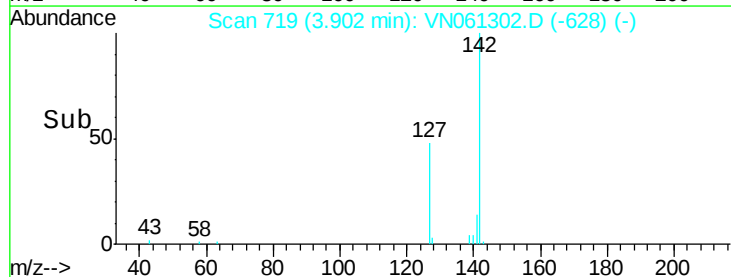
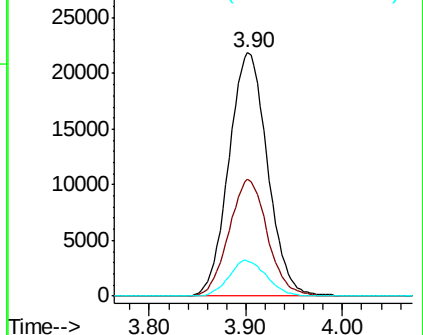
141 14.3 11.7 17.5

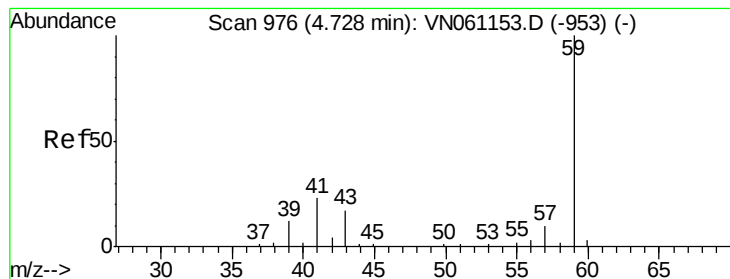


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



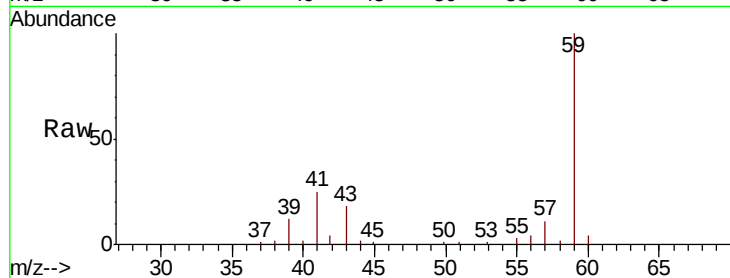


#11

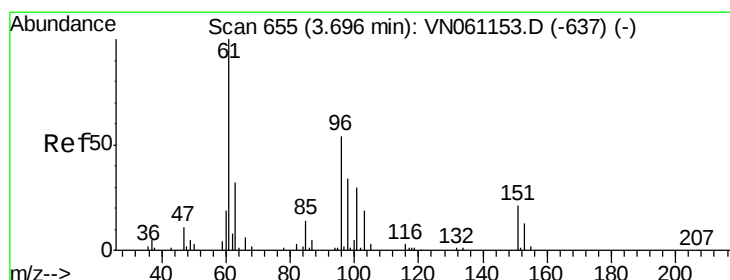
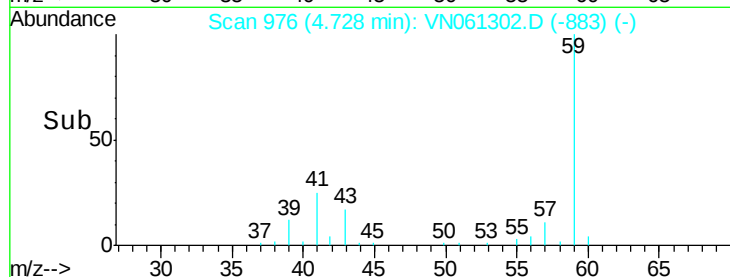
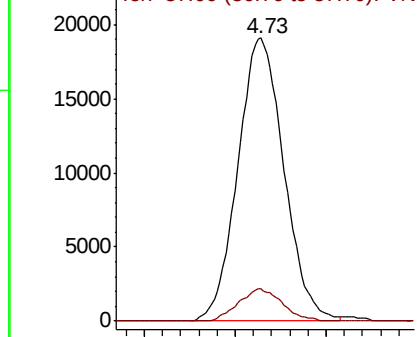
Tert butyl alcohol
Concen: 291.039 ug/l
RT: 4.73 min Scan# 976
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 59 Resp: 67142
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5



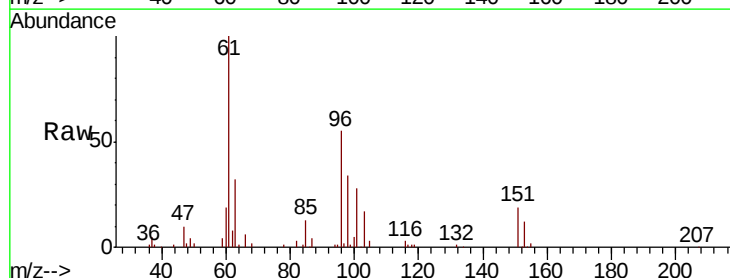
Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 57.00 (56.70 to 57.70): VN0



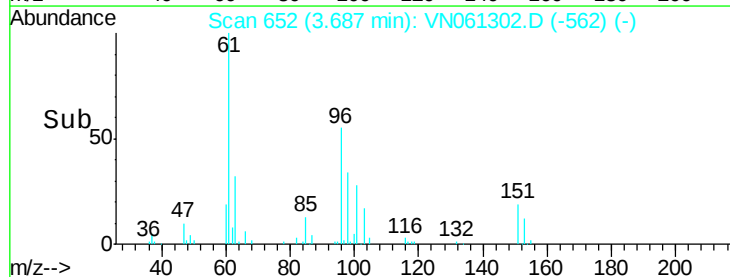
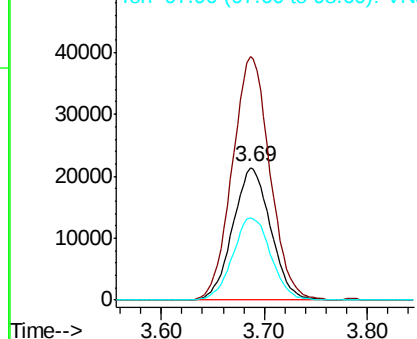
#12

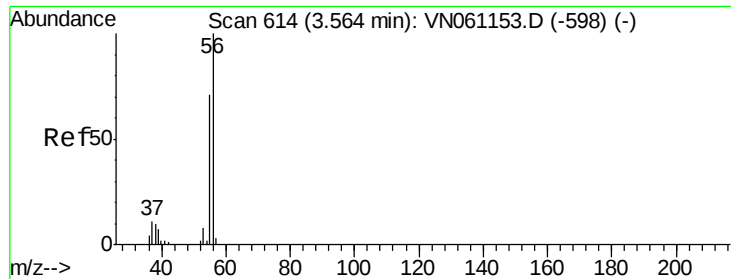
1,1-Dichloroethene
Concen: 47.577 ug/l
RT: 3.69 min Scan# 652
Delta R.T. -0.01 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion: 96 Resp: 54635
Ion Ratio Lower Upper
96 100
61 183.3 147.0 220.6
98 62.1 49.8 74.6



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





#13

Acrolein

Concen: 230.613 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

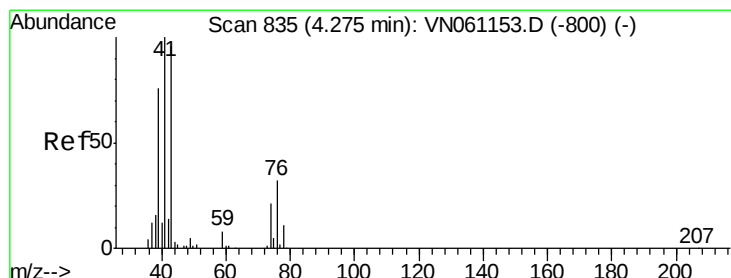
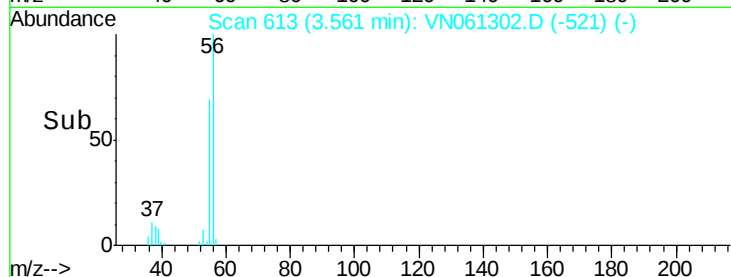
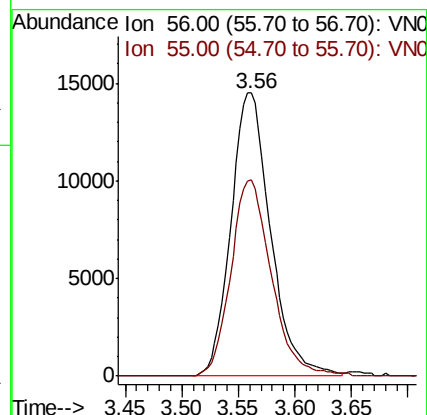
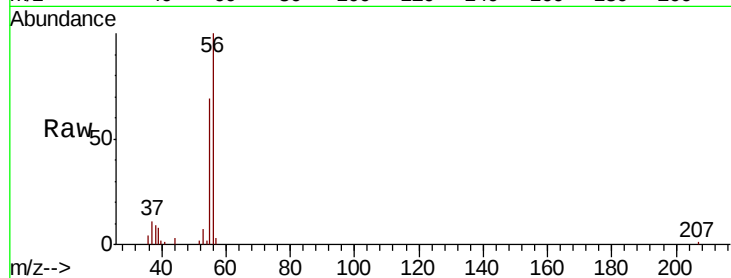
ClientSampleId :

Tot Ion: 56 Resp: 35454

Ion Ratio Lower Upper

56 100

55 70.8 58.5 87.7



#14

Allyl chloride

Concen: 55.942 ug/l

RT: 4.27 min Scan# 833

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

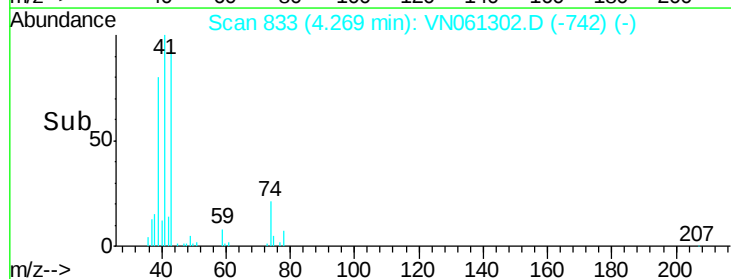
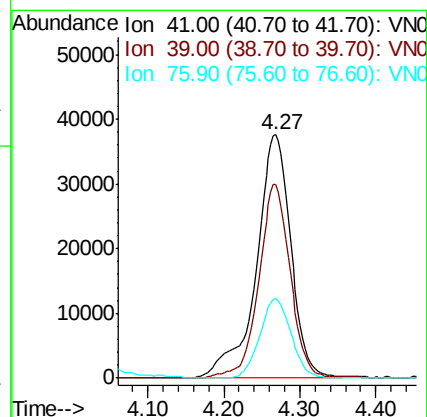
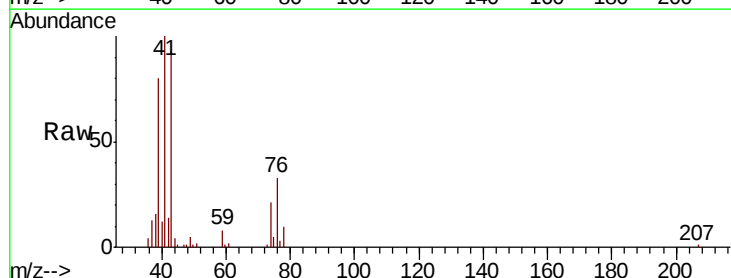
Tgt Ion: 41 Resp: 119114

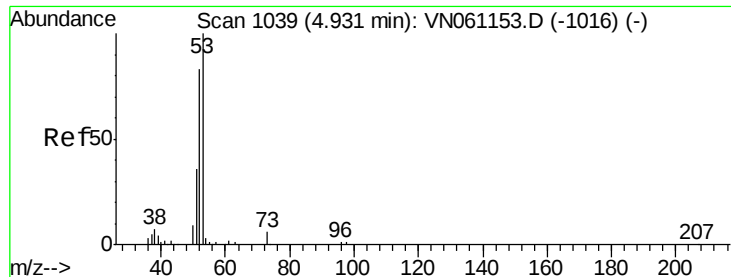
Ion Ratio Lower Upper

41 100

39 72.4 57.1 85.7

76 29.2 24.3 36.5



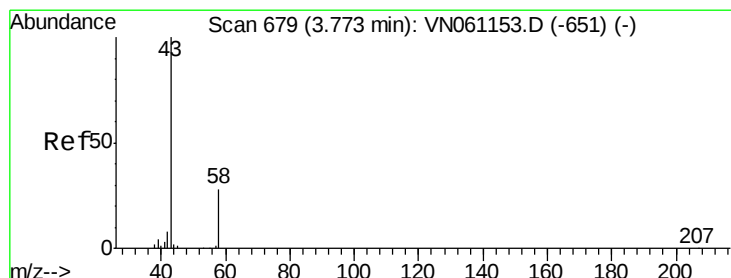
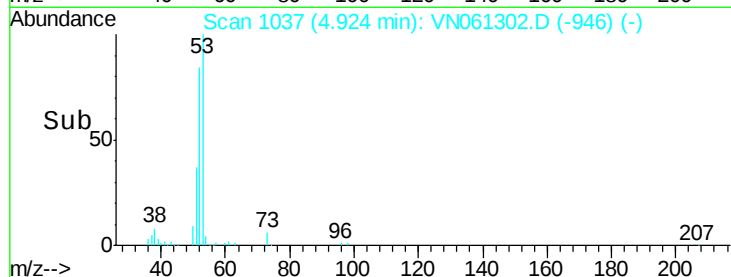
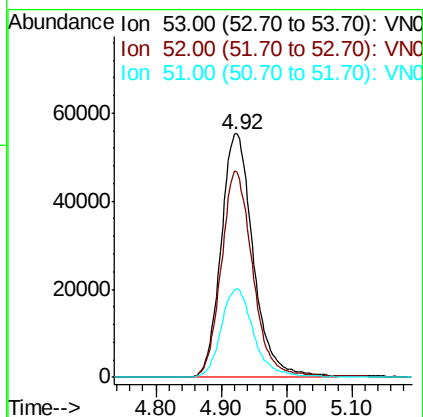
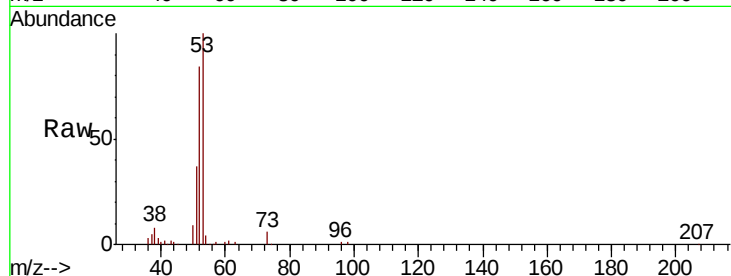


#15
 Acrylonitrile
 Concen: 267.852 ug/l
 RT: 4.92 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 53 Resp: 189688

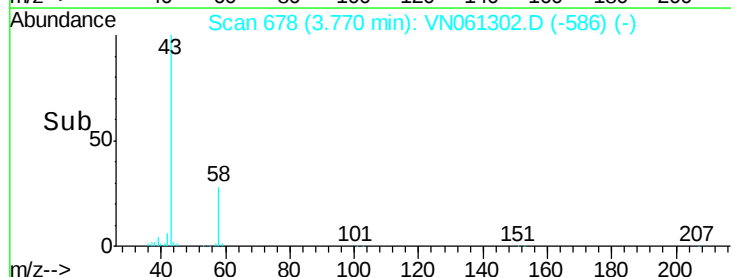
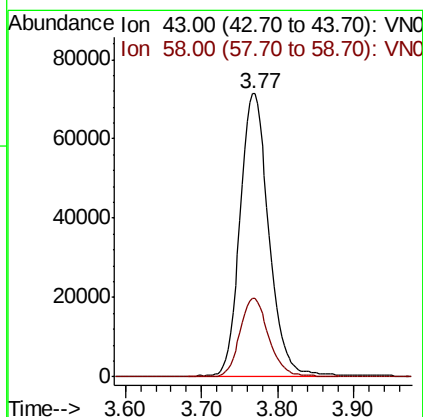
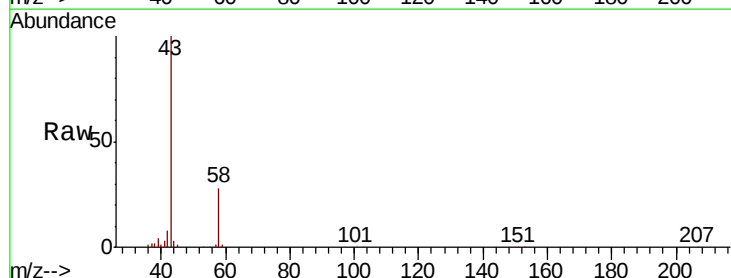
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.4	98.0
51	36.7	29.5	44.3

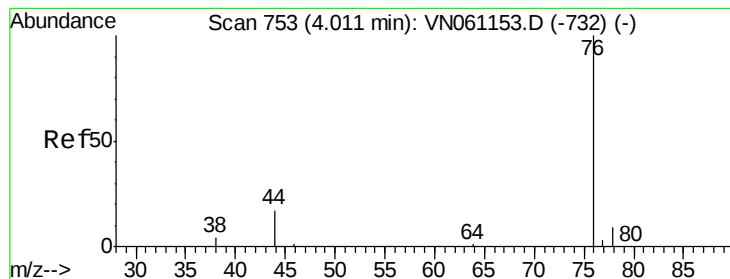


#16
 Acetone
 Concen: 284.684 ug/l
 RT: 3.77 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion: 43 Resp: 189102

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.2	33.2





#17

Carbon Disulfide

Concen: 36.525 ug/l

RT: 4.00 min Scan# 750

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

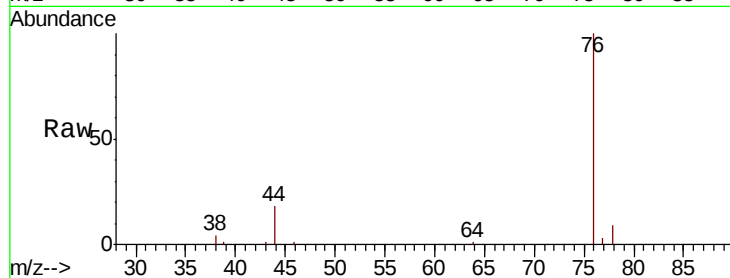
ClientSampled :

Tot Ion: 76 Resp: 115860

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

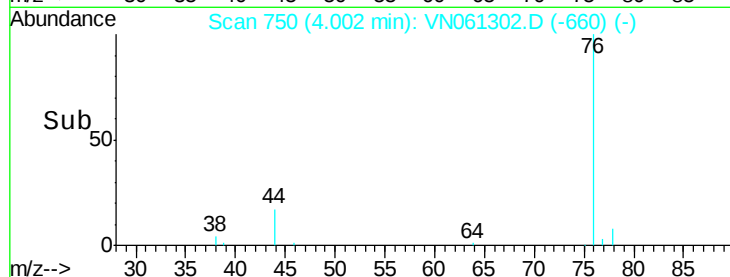


Abundance Ion 75.90 (75.60 to 76.60): VN061153.D (-732) (-)

Ion 77.90 (77.60 to 78.60): VN061153.D (-732) (-)

4.00

Time-->



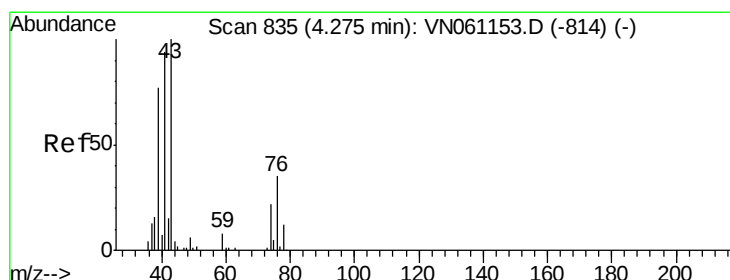
Abundance

Ion 75.90 (75.60 to 76.60): VN061153.D (-732) (-)

Ion 77.90 (77.60 to 78.60): VN061153.D (-732) (-)

4.00

Time-->



#18

Methyl Acetate

Concen: 46.696 ug/l

RT: 4.27 min Scan# 833

Delta R.T. -0.01 min

Lab File: VN061302.D

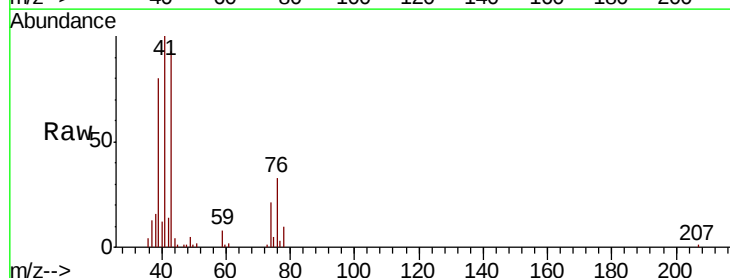
Acq: 6 May 2020 11:14

Tgt Ion: 43 Resp: 101414

Ion Ratio Lower Upper

43 100

74 21.3 17.0 25.4

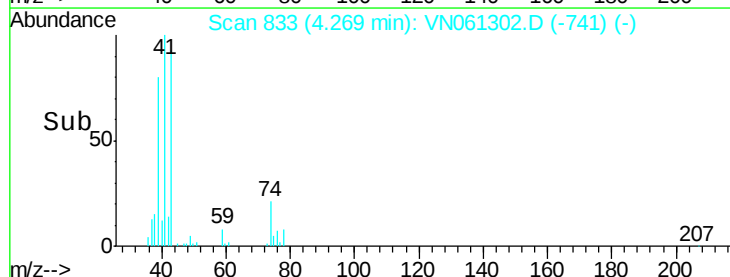


Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-814) (-)

Ion 74.00 (73.70 to 74.70): VN061153.D (-814) (-)

4.27

Time-->



Abundance

Ion 43.00 (42.70 to 43.70): VN061153.D (-814) (-)

Ion 74.00 (73.70 to 74.70): VN061153.D (-814) (-)

4.27

Time-->

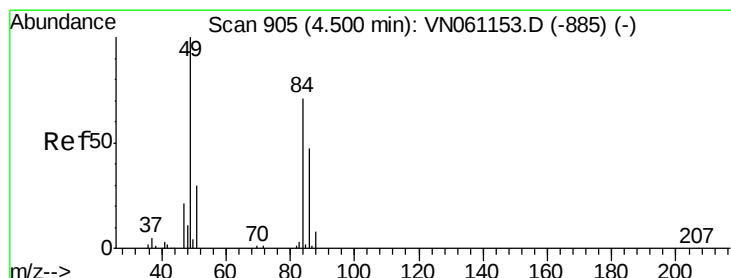
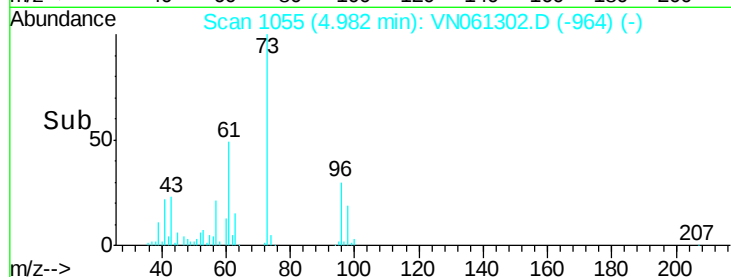
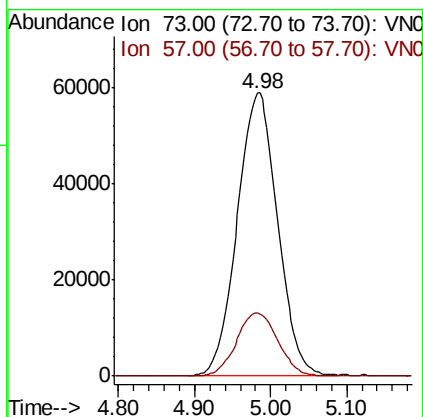
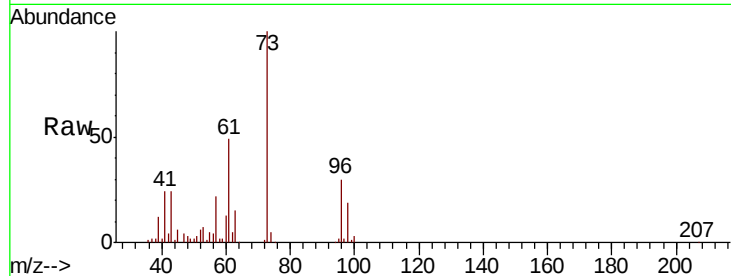


#19

Methyl tert-butyl Ether
 Concen: 49.556 ug/l
 RT: 4.98 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :

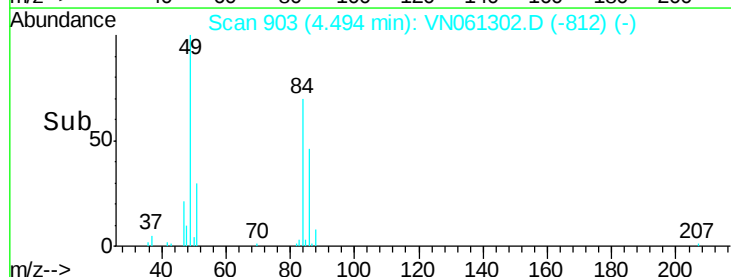
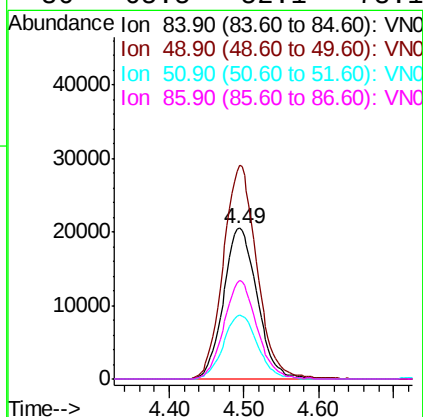
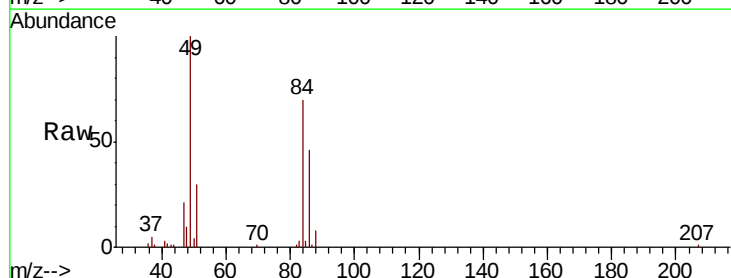
Tot Ion: 73 Resp: 217449
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.3 27.5

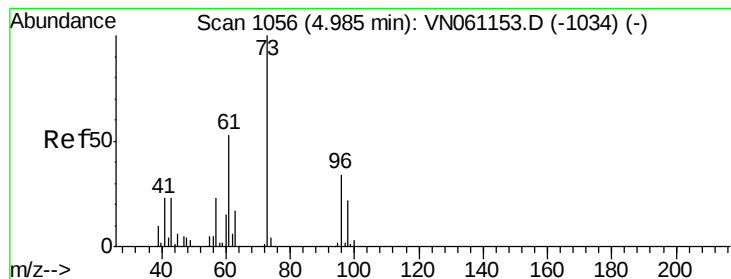


#20

Methylene Chloride
 Concen: 47.816 ug/l
 RT: 4.49 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion: 84 Resp: 64211
 Ion Ratio Lower Upper
 84 100
 49 141.9 112.0 168.0
 51 42.7 33.6 50.4
 86 65.5 52.1 78.1



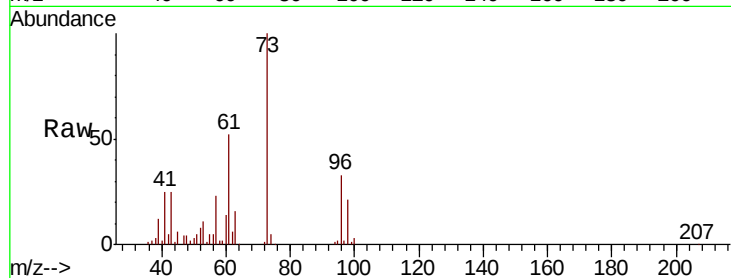


#21

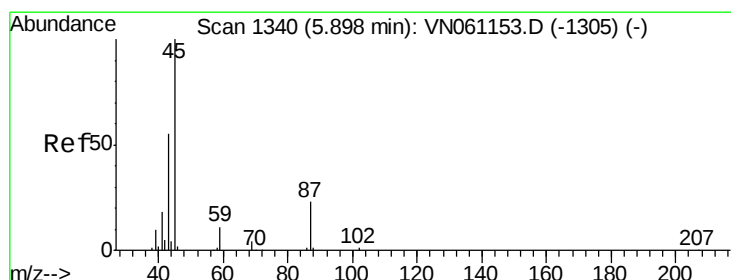
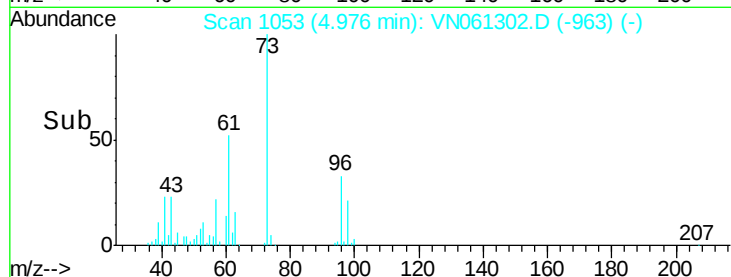
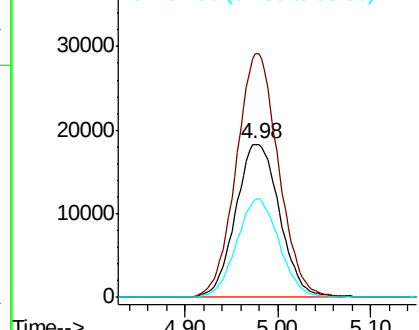
trans-1,2-Dichloroethene
Concen: 48.029 ug/l
RT: 4.98 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 60057
Ion Ratio Lower Upper
96 100
61 158.9 123.0 184.4
98 63.9 50.1 75.1



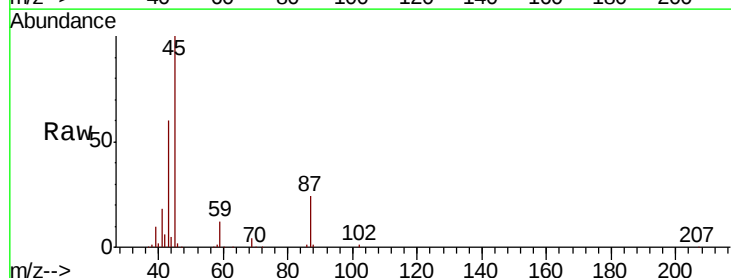
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



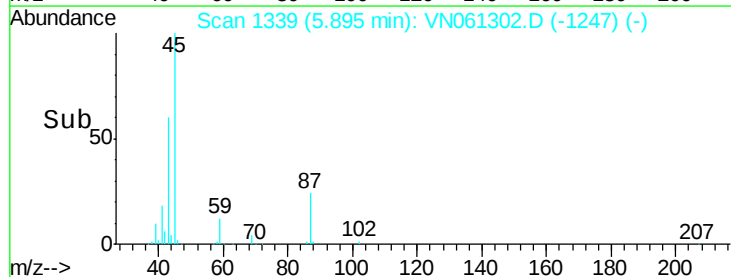
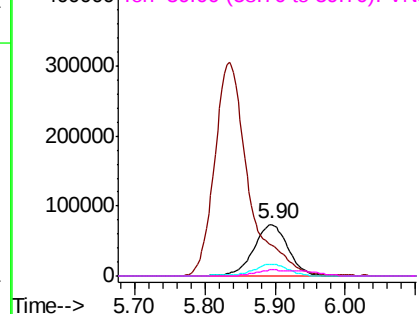
#22

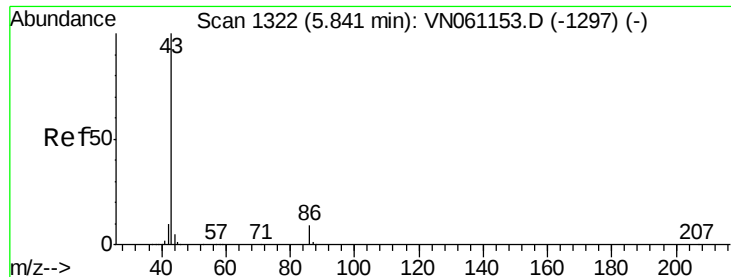
Diisopropyl ether
Concen: 50.608 ug/l
RT: 5.90 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion: 45 Resp: 249879
Ion Ratio Lower Upper
45 100
43 58.6 47.9 71.9
87 23.6 19.2 28.8
59 11.2 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: 257.481 ug/l

RT: 5.83 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

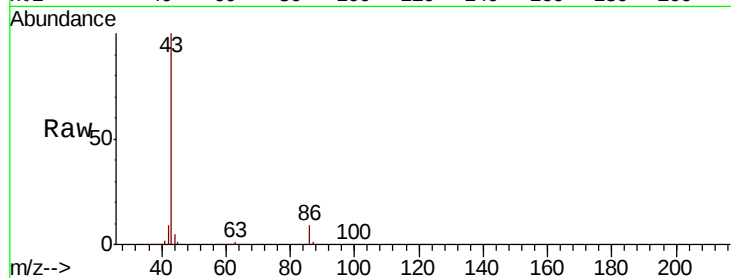
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1023635

Ion Ratio Lower Upper

43 100

86 8.9 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1297) (-)

Ion 86.00 (85.70 to 86.70): VN061153.D (-1297) (-)

5.83

300000

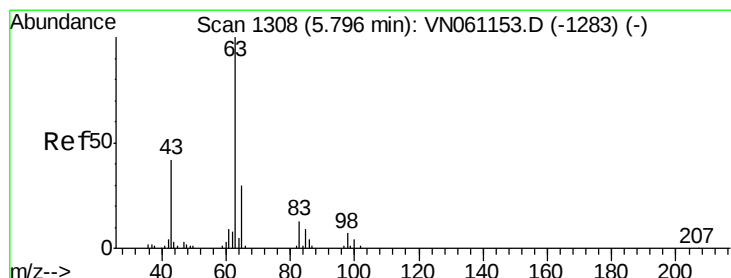
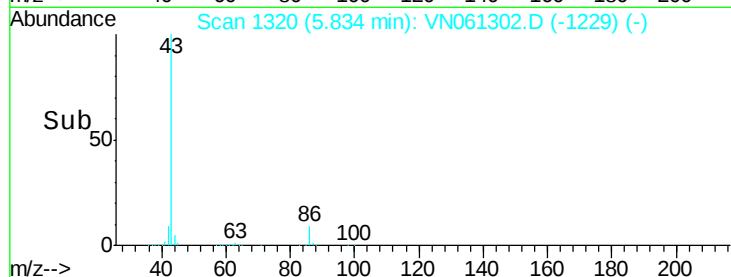
200000

100000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 48.512 ug/l

RT: 5.79 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

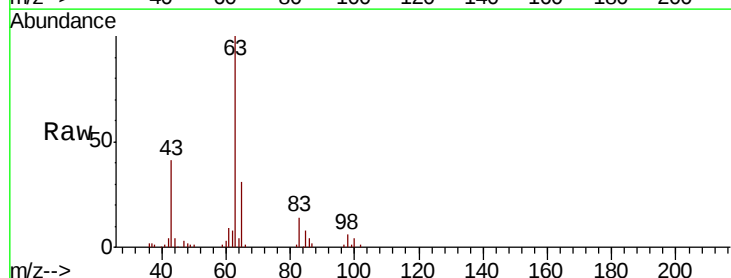
Tgt Ion: 63 Resp: 125148

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

100 4.0 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN061153.D (-1283) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1283) (-)

Ion 99.90 (99.60 to 100.60): VN061153.D (-1283) (-)

5.79

50000

40000

30000

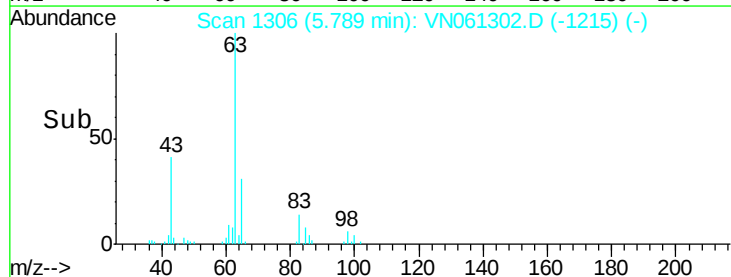
20000

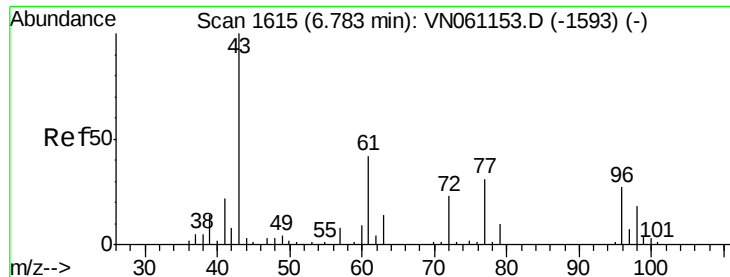
10000

0

5.70 5.80 5.90

Time-->

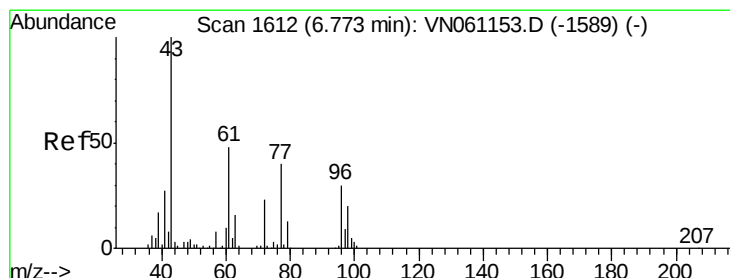
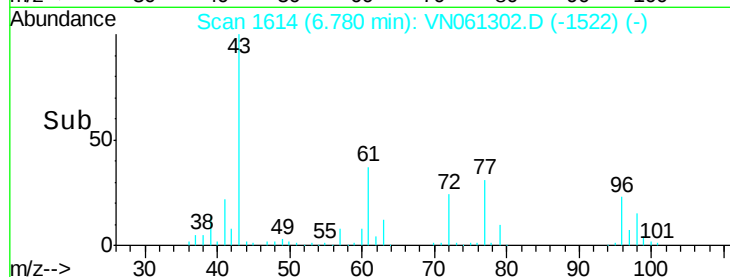
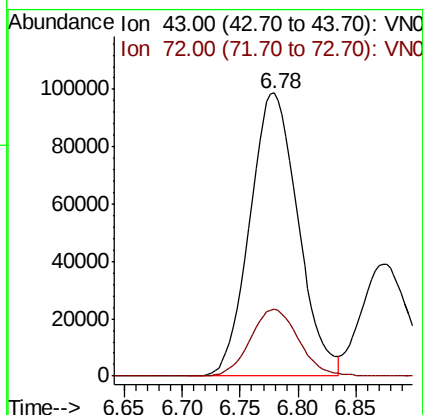
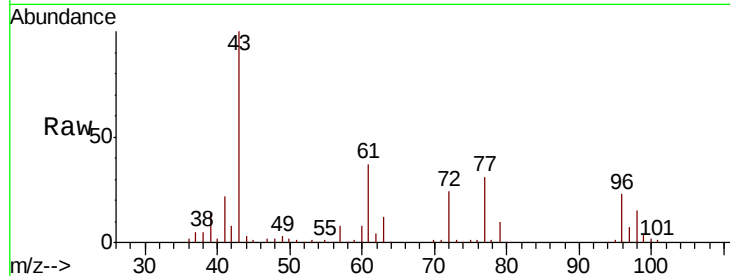




#25
 2-Butanone
 Concen: 280.586 ug/l
 RT: 6.78 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

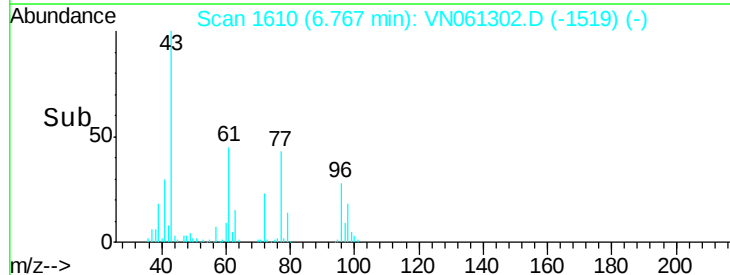
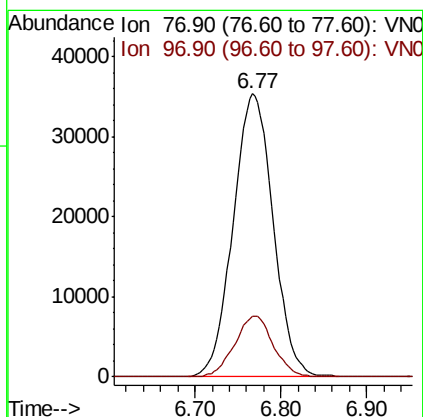
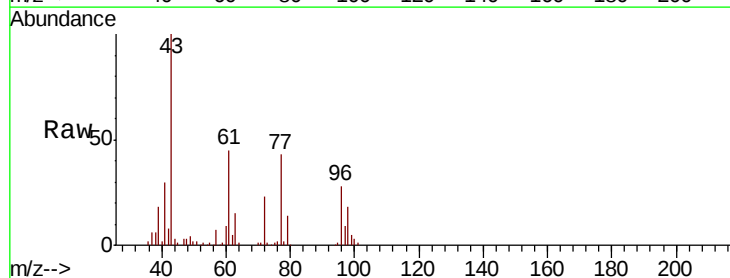
Instrument :
 MSVOA_N
 ClientSampled :

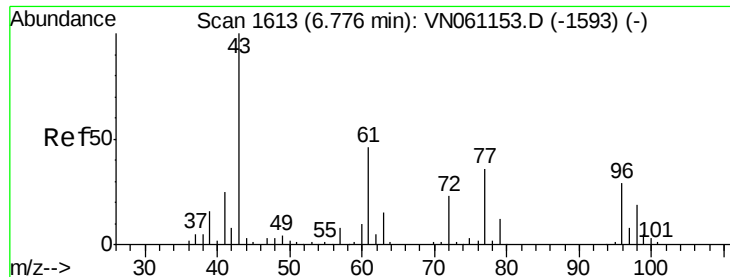
Tot Ion: 43 Resp: 285935
 Ion Ratio Lower Upper
 43 100
 72 23.6 18.2 27.4



#26
 2,2-Dichloropropane
 Concen: 52.566 ug/l
 RT: 6.77 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion: 77 Resp: 114220
 Ion Ratio Lower Upper
 77 100
 97 20.6 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 48.127 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :

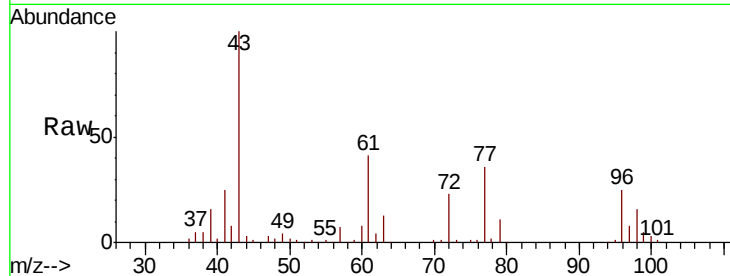
Tot Ion: 96 Resp: 70622

Ion Ratio Lower Upper

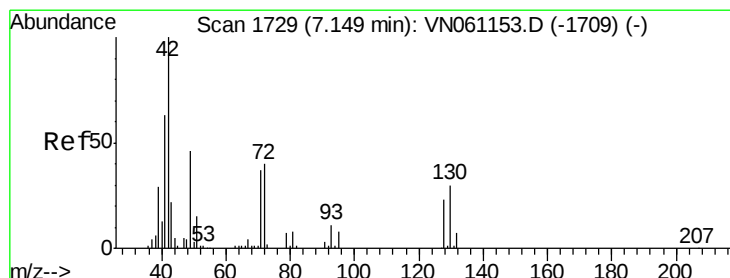
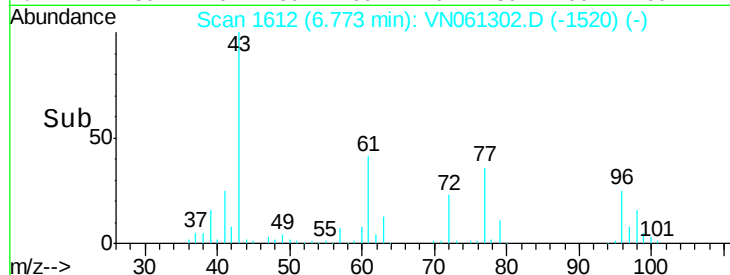
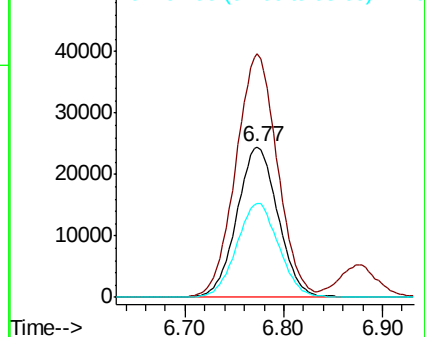
96 100

61 164.1 0.0 322.0

98 63.9 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: 50.353 ug/l

RT: 7.14 min Scan# 1727

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

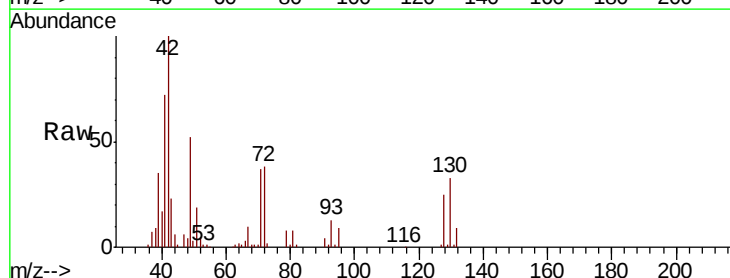
Tgt Ion: 49 Resp: 61569

Ion Ratio Lower Upper

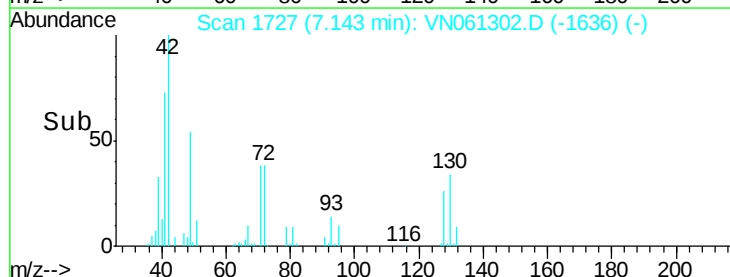
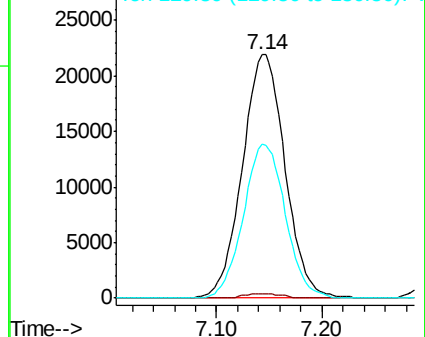
49 100

129 1.5 0.0 3.0

130 62.2 51.4 77.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

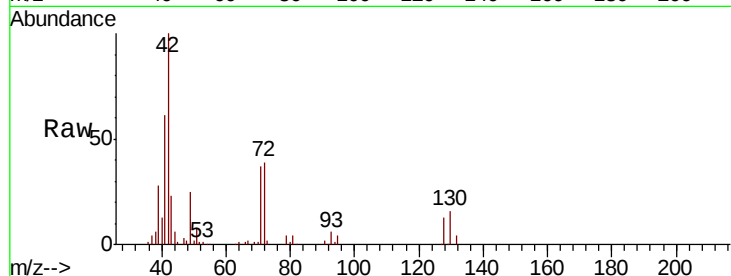




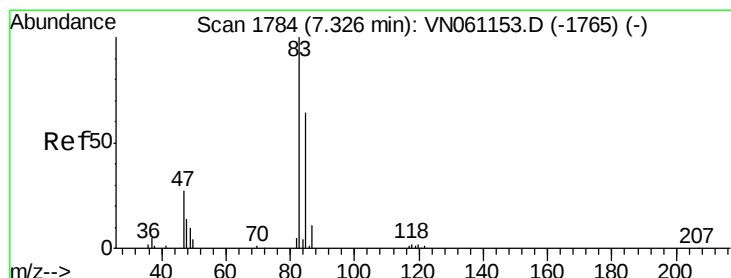
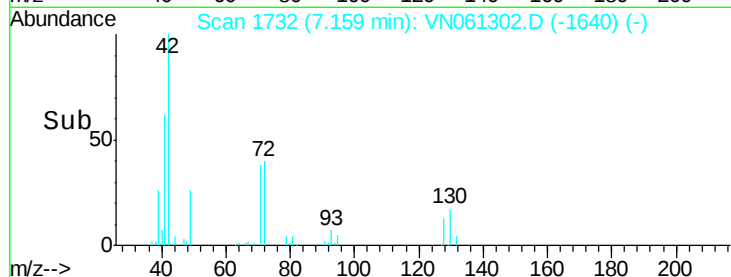
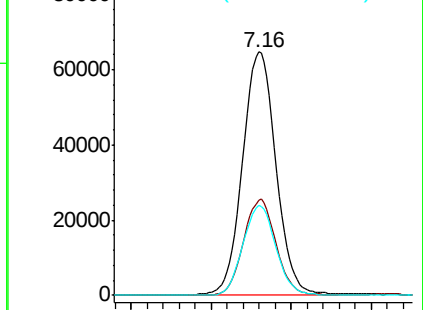
#29
Tetrahydrofuran
Concen: 267.792 ug/l
RT: 7.16 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 183829
Ion Ratio Lower Upper
42 100
72 38.4 31.4 47.0
71 36.3 29.5 44.3

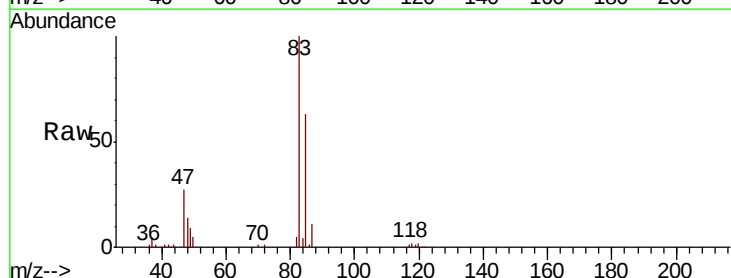


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

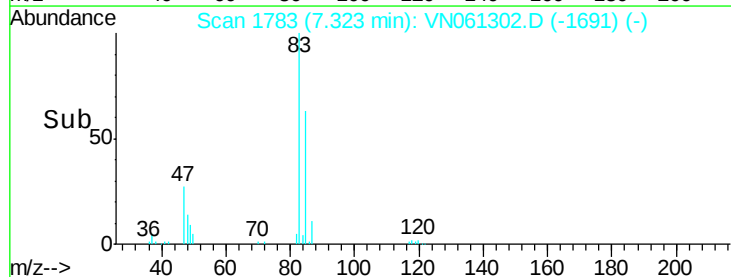
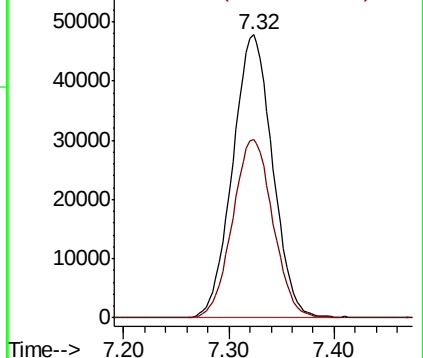


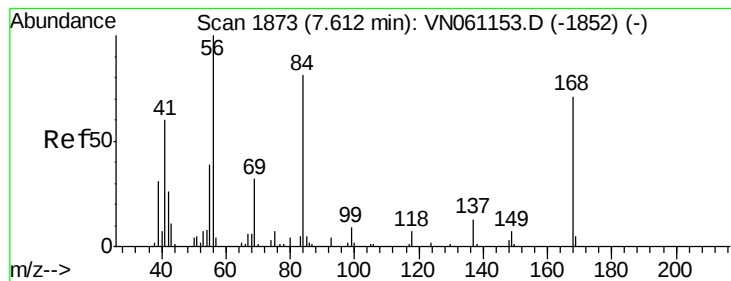
#30
Chloroform
Concen: 48.021 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion: 83 Resp: 125542
Ion Ratio Lower Upper
83 100
85 62.9 51.1 76.7



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





#31

Cyclohexane

Concen: 43.501 ug/l

RT: 7.61 min Scan# 1871

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampled :

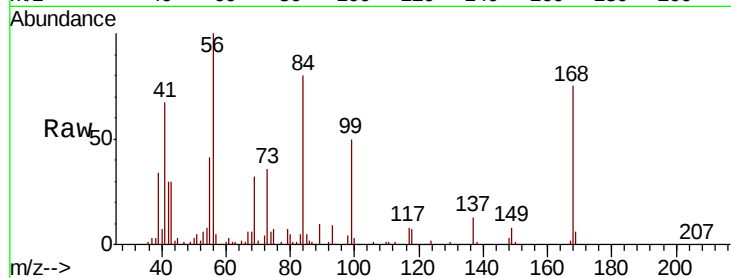
Tot Ion: 56 Resp: 108985

Ion Ratio Lower Upper

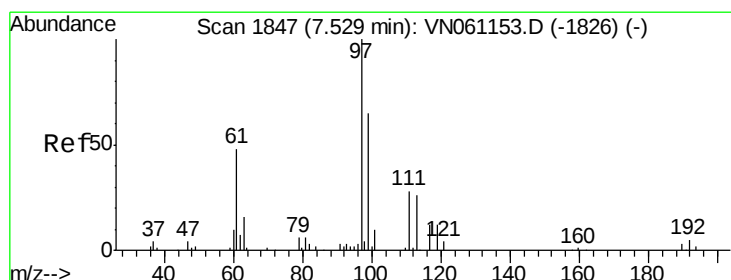
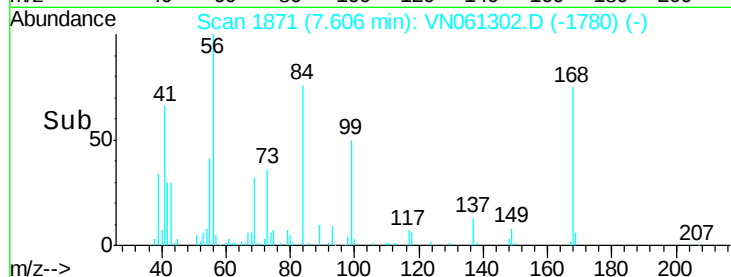
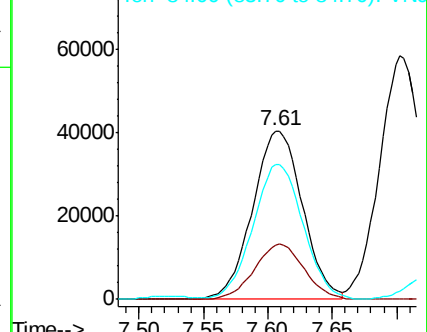
56 100

69 31.9 25.7 38.5

84 79.1 64.6 97.0



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



#32

1,1,1-Trichloroethane

Concen: 47.519 ug/l

RT: 7.52 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

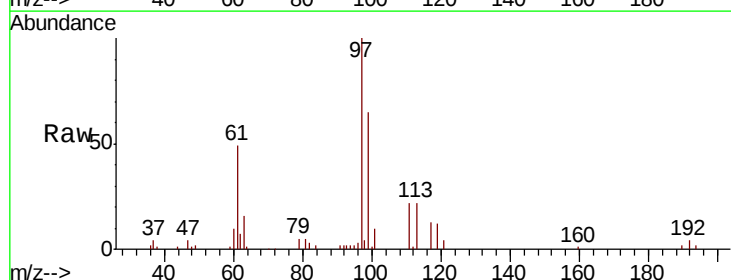
Tgt Ion: 97 Resp: 108177

Ion Ratio Lower Upper

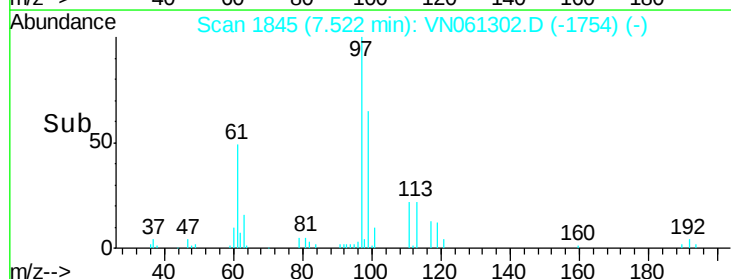
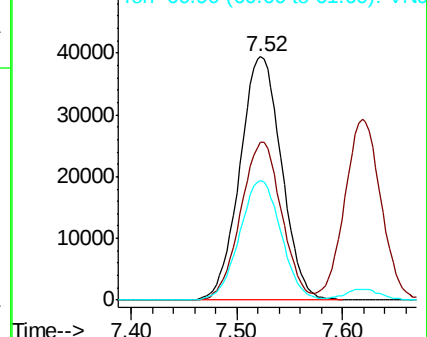
97 100

99 63.8 51.3 76.9

61 48.9 38.6 57.8



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

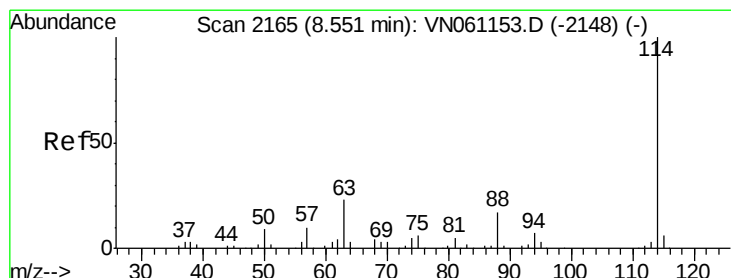
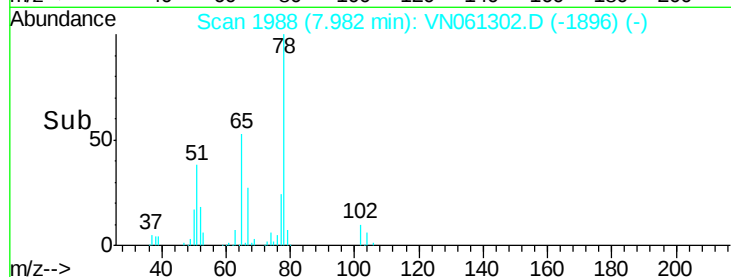
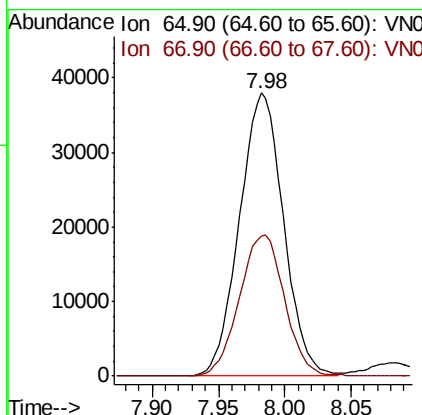
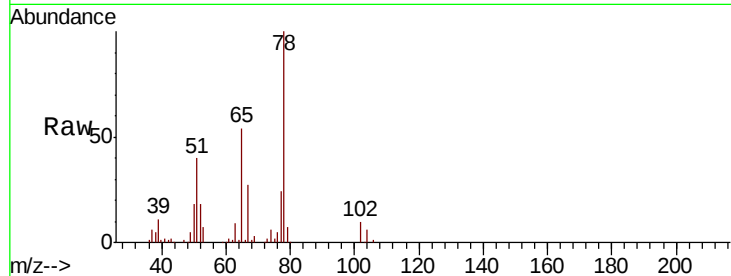




#33
 1,2-Dichloroethane-d4
 Concen: 50.960 ug/l
 RT: 7.98 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

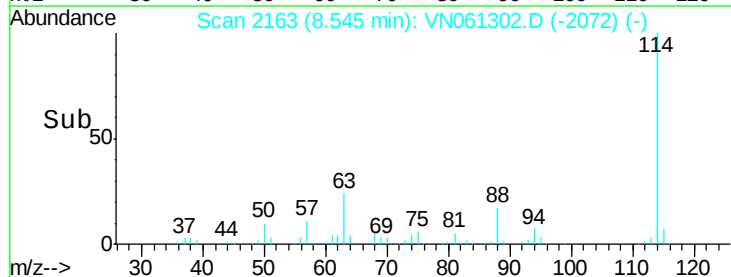
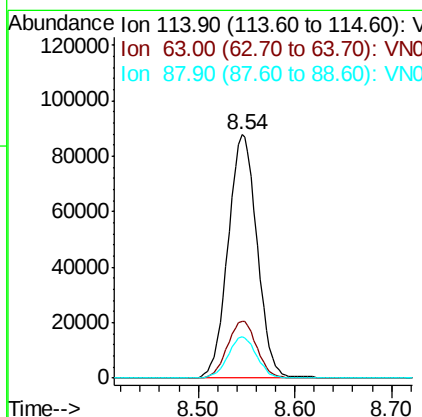
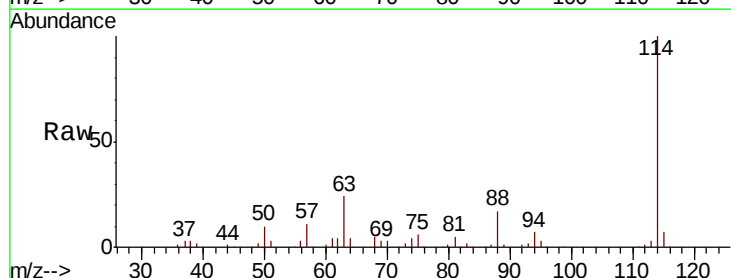
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 87761
 Ion Ratio Lower Upper
 65 100
 67 51.0 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: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion: 114 Resp: 183076
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.6
 88 17.0 0.0 33.4

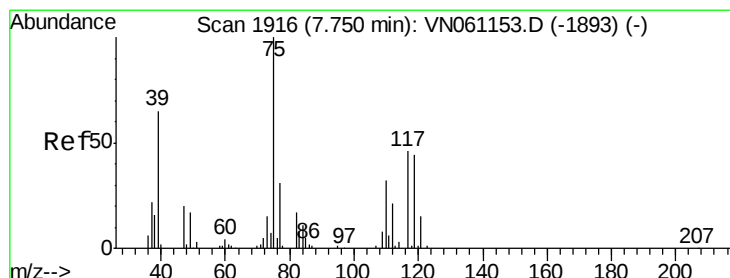
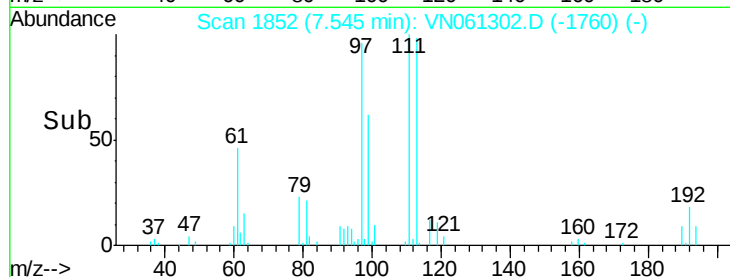
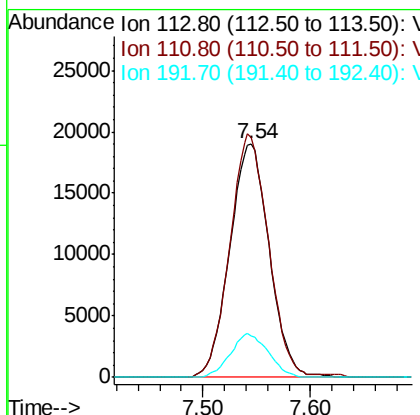
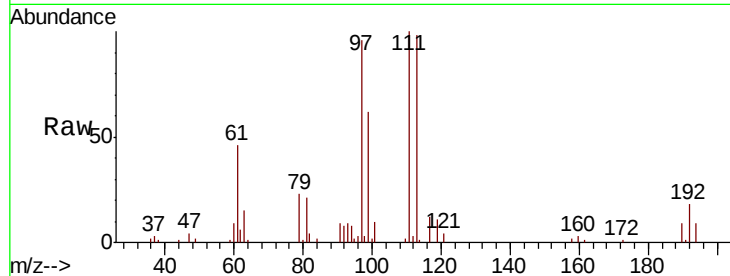




#35
 Dibromofluoromethane
 Concen: 44.766 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

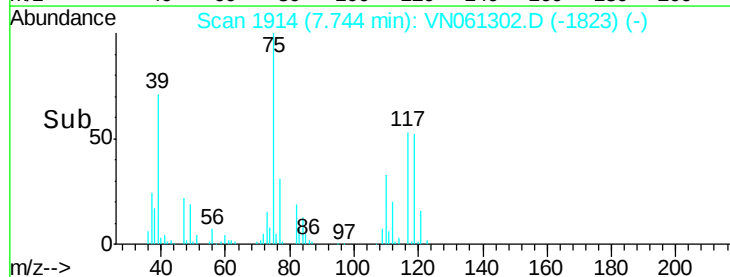
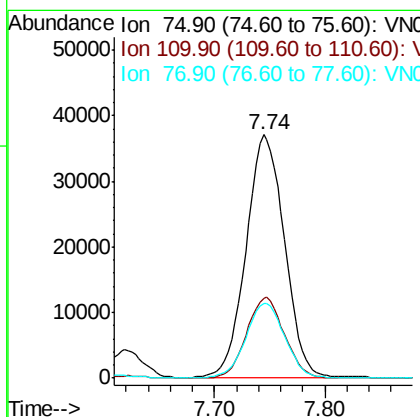
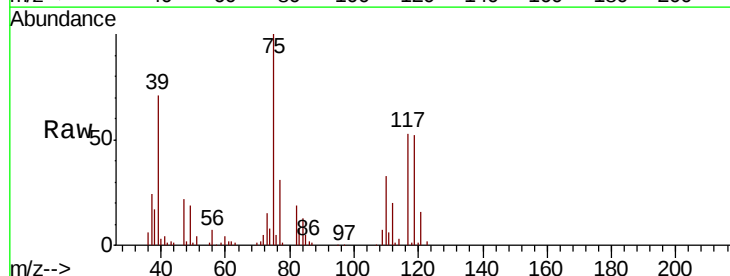
Instrument :
 MSVOA_N
 ClientSampled :

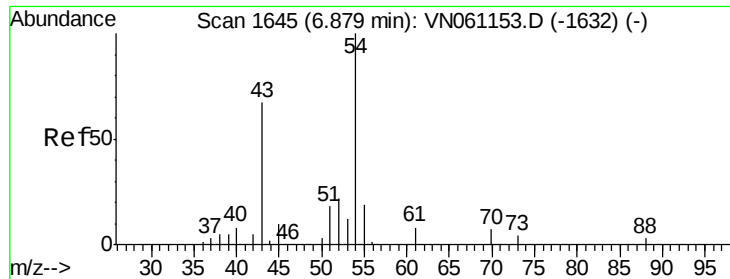
Tot Ion:113 Resp: 48462
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.9 124.3
 192 17.9 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 49.022 ug/l
 RT: 7.74 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion: 75 Resp: 89842
 Ion Ratio Lower Upper
 75 100
 110 32.3 16.0 48.0
 77 31.1 24.6 37.0

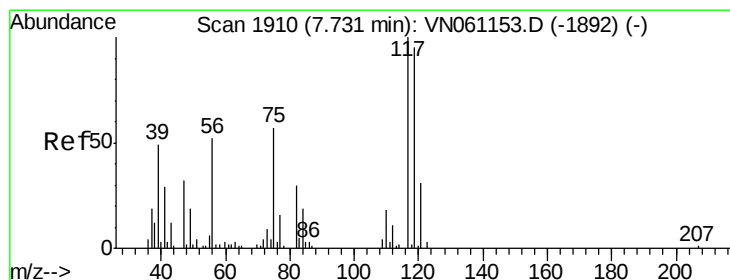
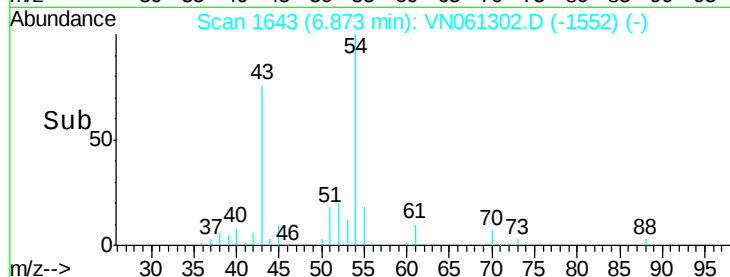
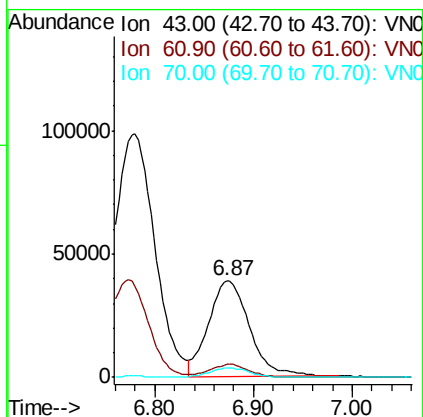
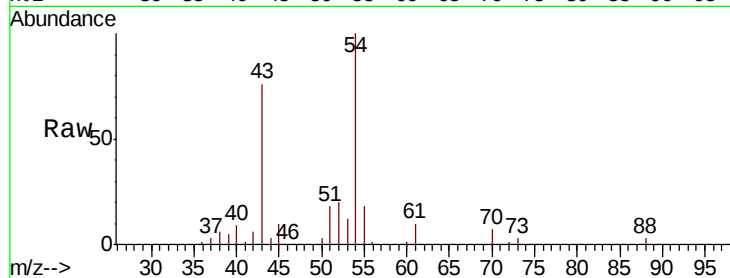




#37
Ethyl Acetate
Concen: 52.521 ug/l
RT: 6.87 min Scan# 1643
Delta R.T. -0.01 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

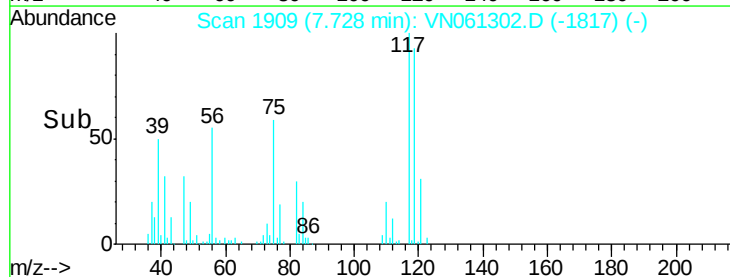
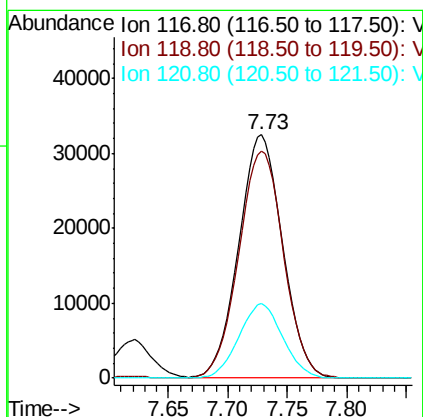
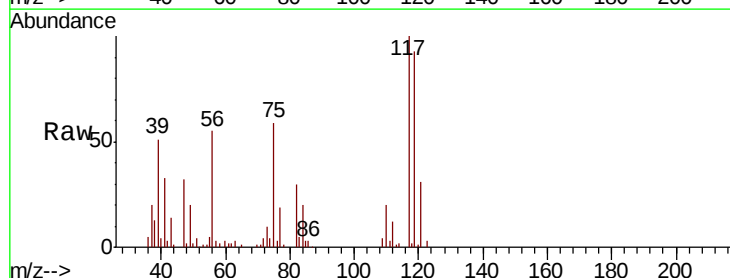
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 112842
Ion Ratio Lower Upper
43 100
61 12.2 10.2 15.2
70 9.4 7.2 10.8



#38
Carbon Tetrachloride
Concen: 49.662 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion: 117 Resp: 83013
Ion Ratio Lower Upper
117 100
119 93.2 75.8 113.6
121 30.6 24.7 37.1

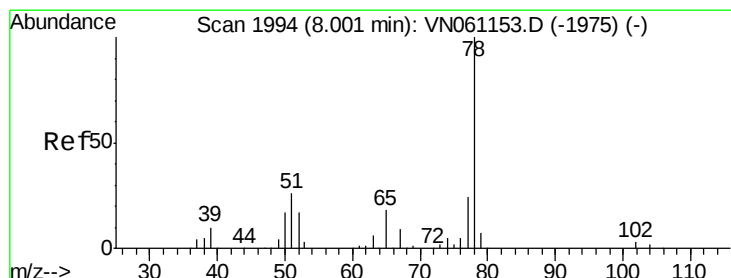
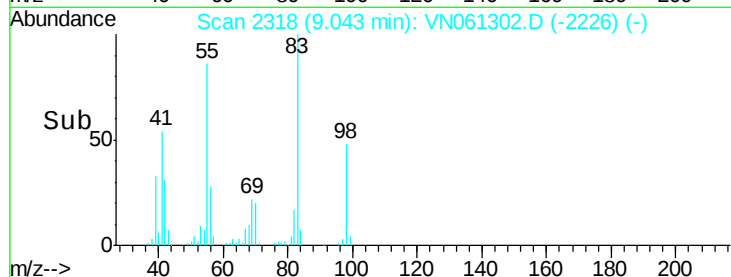
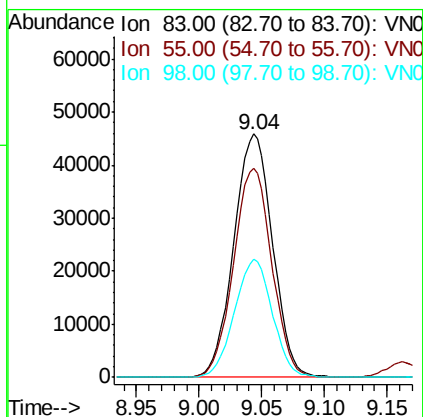
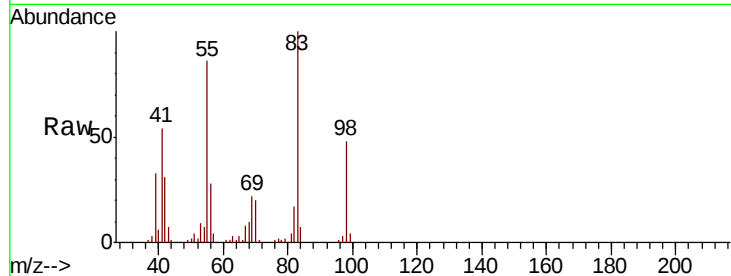




#39
Methvlcvclohexane
Concen: 47.986 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

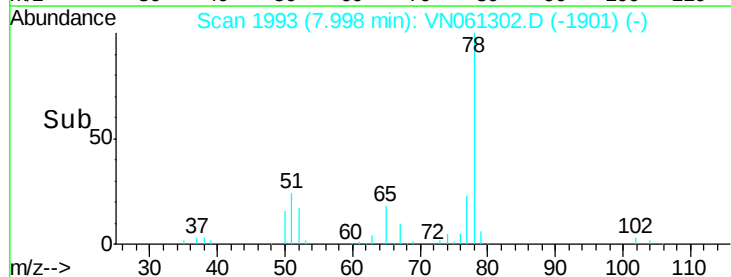
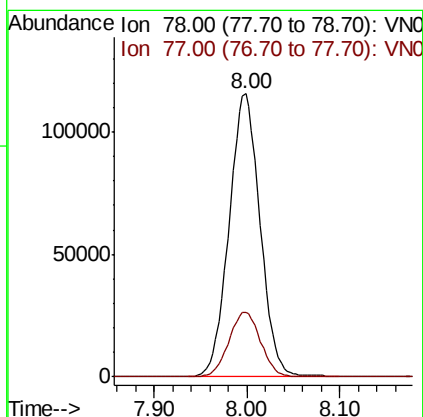
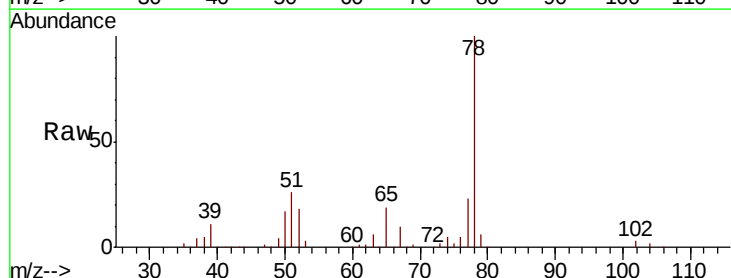
Instrument :
MSVOA_N
ClientSampleId :

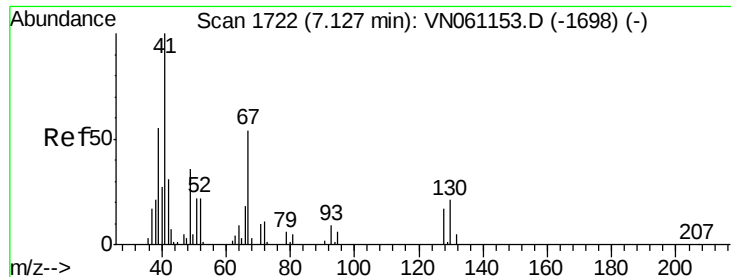
Tot Ion: 83 Resp: 98625
Ion Ratio Lower Upper
83 100
55 86.0 67.3 100.9
98 48.4 37.7 56.5



#40
Benzene
Concen: 49.163 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion: 78 Resp: 268427
Ion Ratio Lower Upper
78 100
77 22.9 19.0 28.6

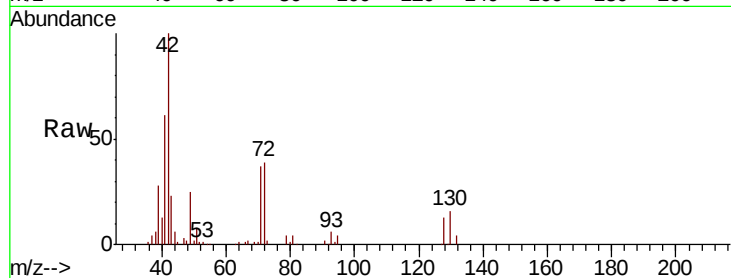




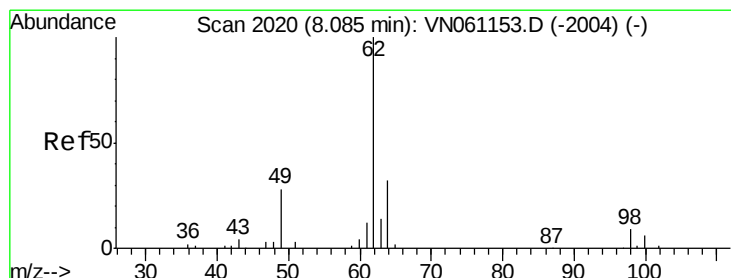
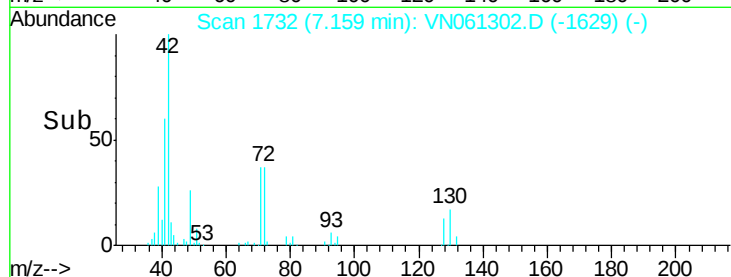
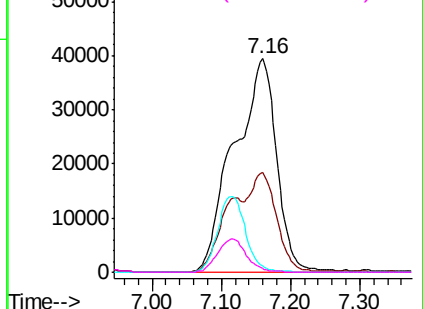
#41
Methacrylonitrile
Concen: 188.313 ug/l
RT: 7.16 min Scan# 1732
Delta R.T. 0.03 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	167986
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

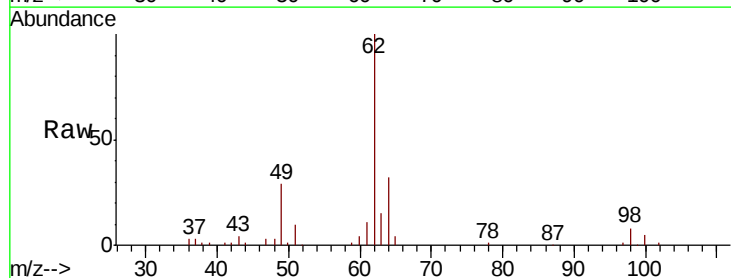


Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-1698) (-)
Ion 39.00 (38.70 to 39.70): VN061153.D (-1698) (-)
Ion 67.00 (66.70 to 67.70): VN061153.D (-1698) (-)
Ion 52.00 (51.70 to 52.70): VN061153.D (-1698) (-)

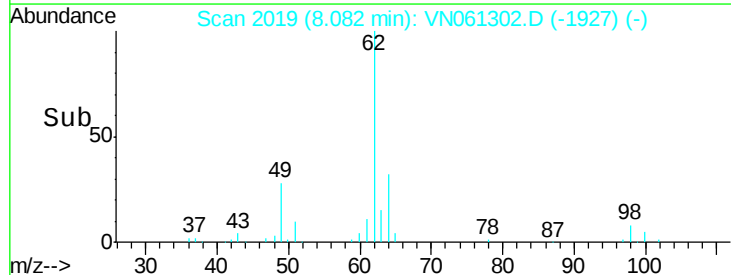
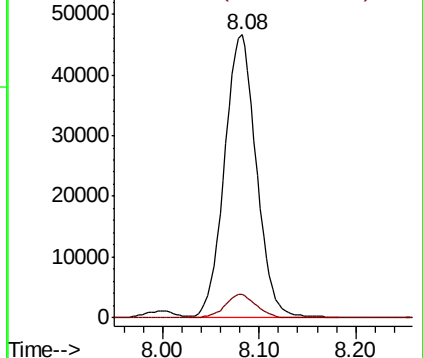


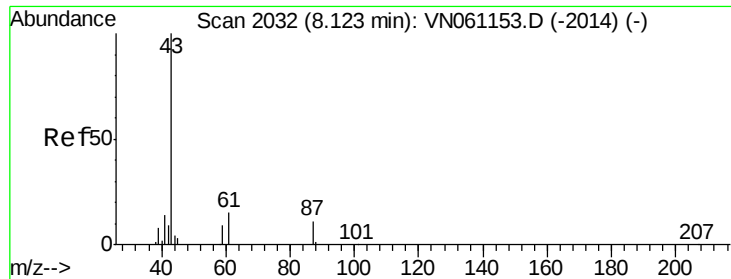
#42
1,2-Dichloroethane
Concen: 51.717 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion:	62	Resp:	106973
Ion	Ratio	Lower	Upper
62	100		
98	8.0	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: 52.844 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampled :

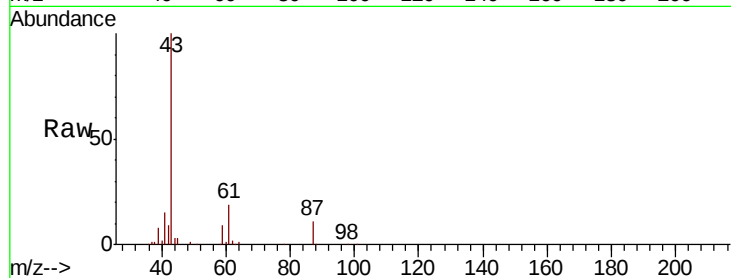
Tot Ion: 43 Resp: 188426

Ion Ratio Lower Upper

43 100

61 18.8 19.5 29.3#

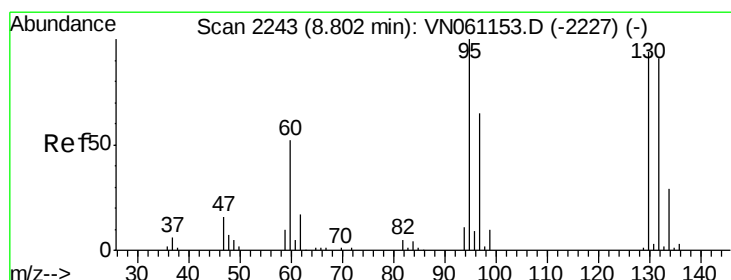
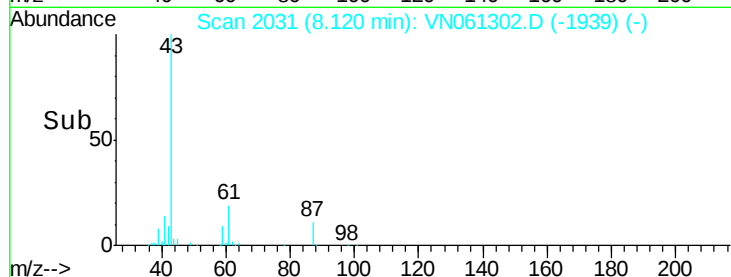
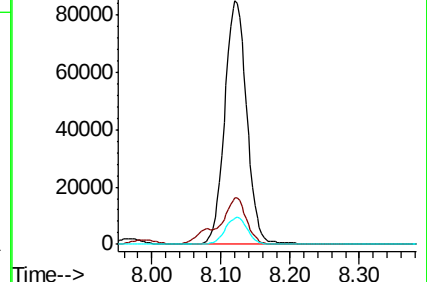
87 11.1 8.9 13.3



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

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

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



#44

Trichloroethene

Concen: 46.846 ug/l

RT: 8.80 min Scan# 2241

Delta R.T. -0.01 min

Lab File: VN061302.D

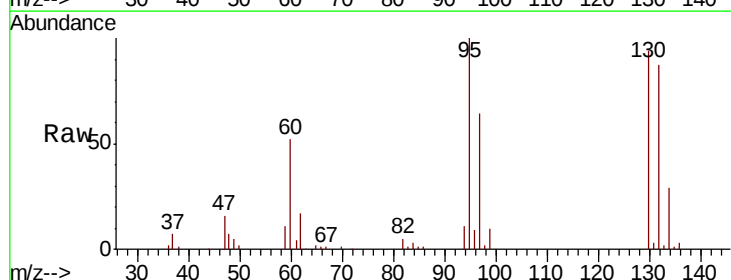
Acq: 6 May 2020 11:14

Tgt Ion:130 Resp: 69144

Ion Ratio Lower Upper

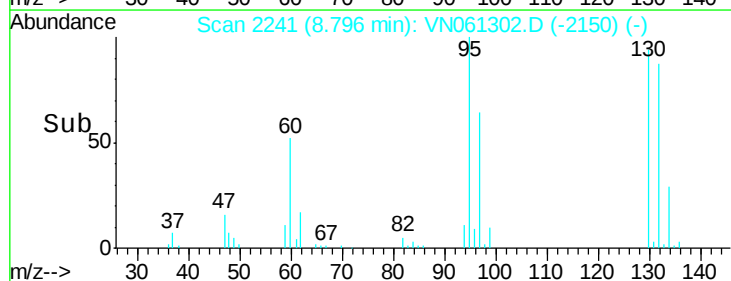
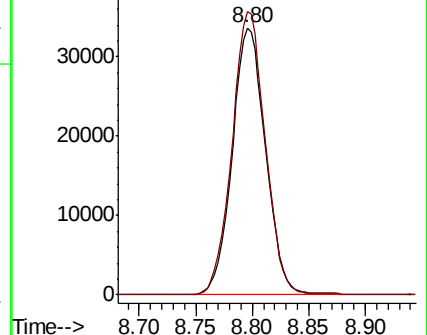
130 100

95 106.0 0.0 212.4



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

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

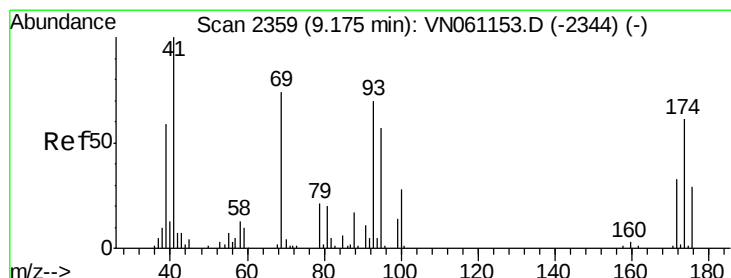
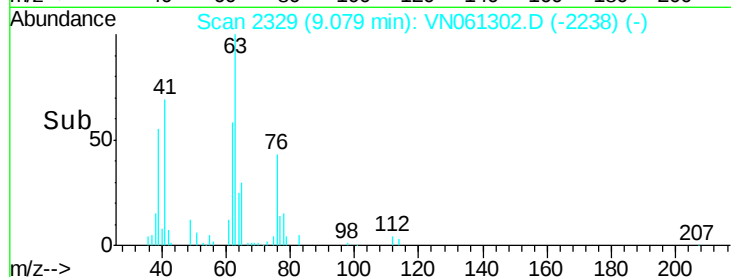
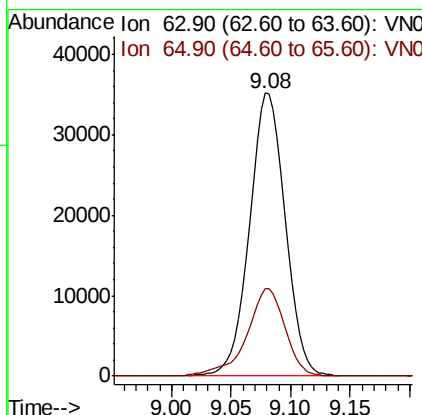
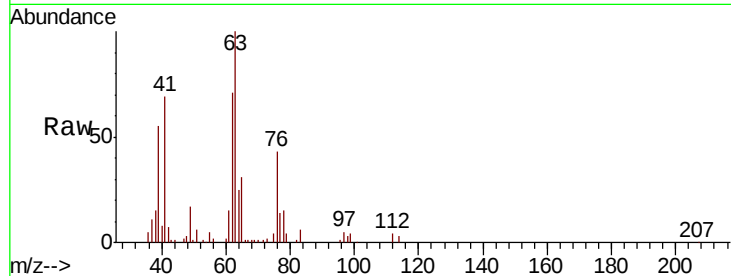




#45
 1,2-Dichloropropane
 Concen: 50.168 ug/l
 RT: 9.08 min Scan# 2329
 Delta R.T. -0.01 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

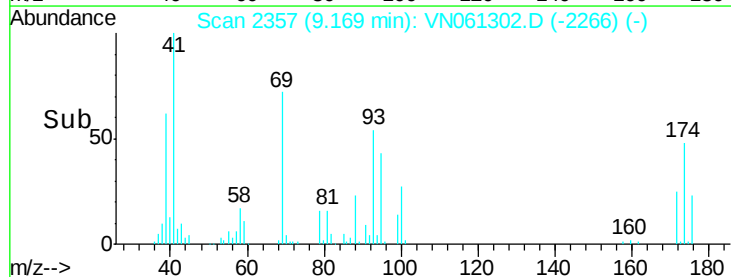
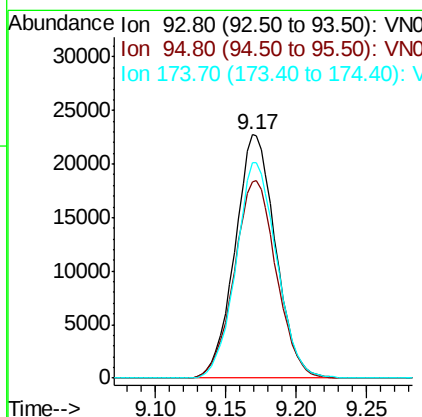
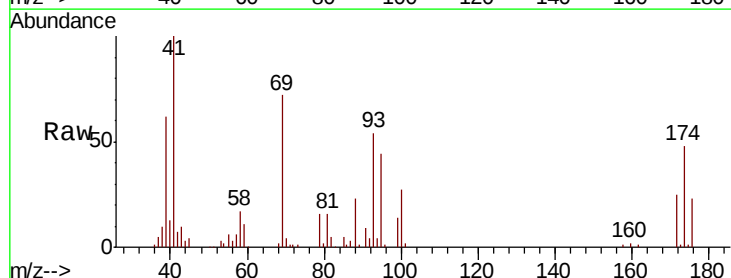
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 73179
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1



#46
 Dibromomethane
 Concen: 50.598 ug/l
 RT: 9.17 min Scan# 2357
 Delta R.T. -0.01 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion: 93 Resp: 45699
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.6 99.8
 174 89.1 70.2 105.2





#47

Bromodichloromethane

Concen: 52.161 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :

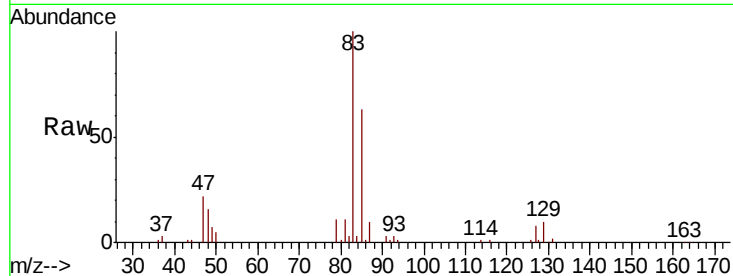
Tot Ion: 83 Resp: 101118

Ion Ratio Lower Upper

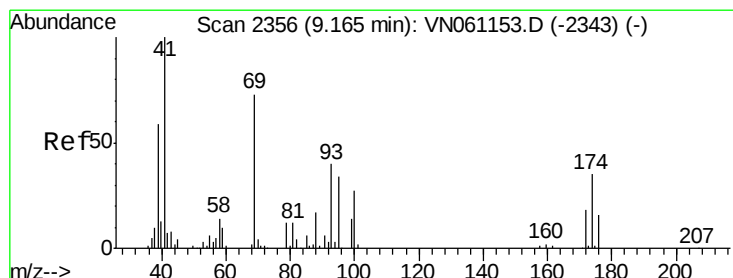
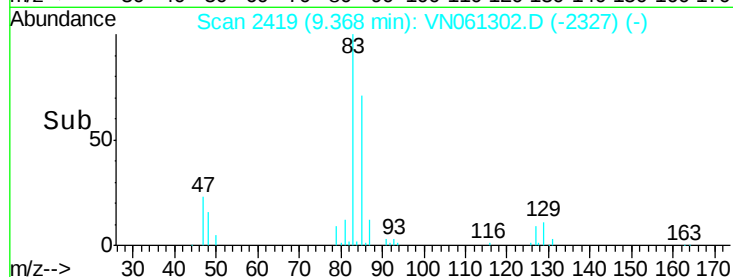
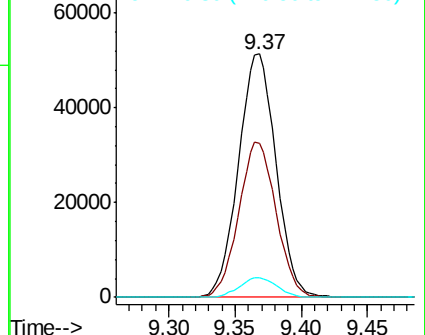
83 100

85 63.4 50.4 75.6

127 8.0 6.2 9.2



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



#48

Methyl methacrylate

Concen: 53.368 ug/l

RT: 9.16 min Scan# 2355

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

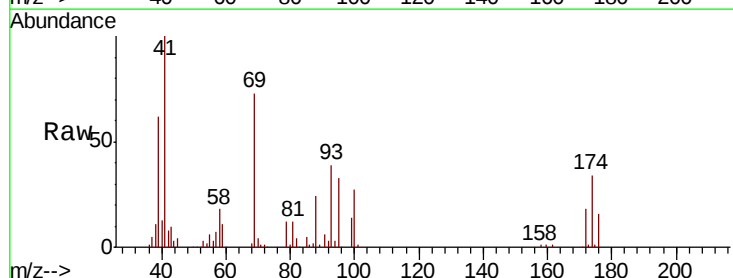
Tgt Ion: 41 Resp: 85871

Ion Ratio Lower Upper

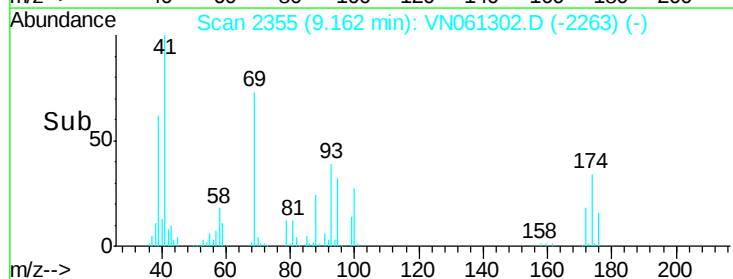
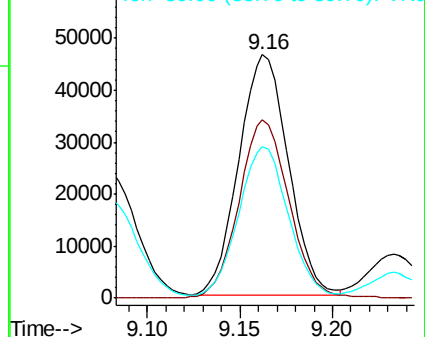
41 100

69 75.0 60.3 90.5

39 64.2 47.4 71.0



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

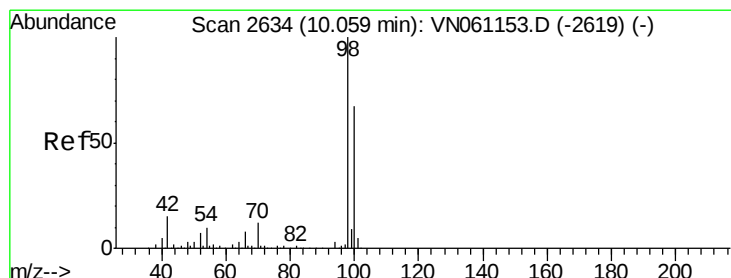
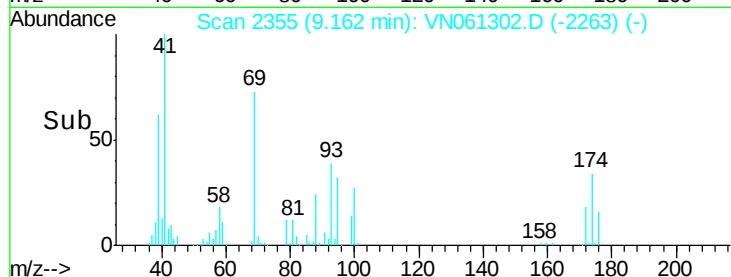
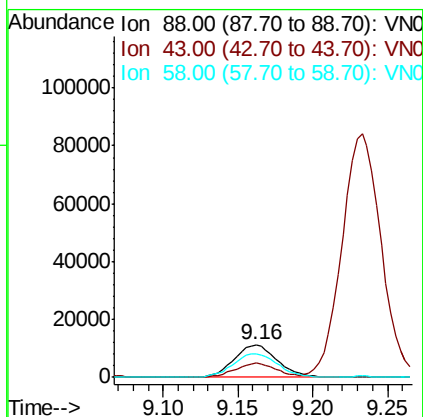
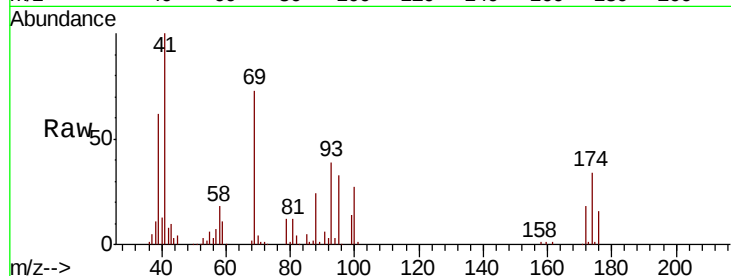




#49
1,4-Dioxane
Concen: 1226.703 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

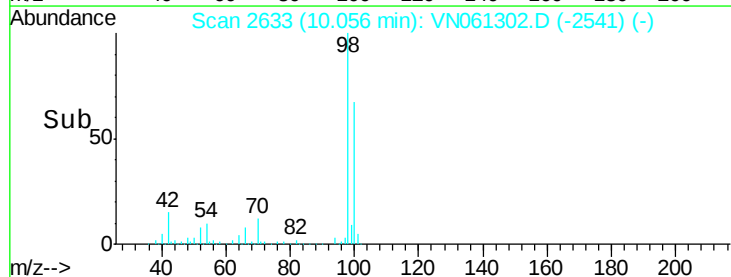
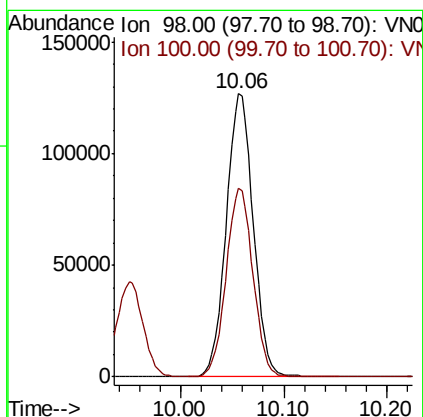
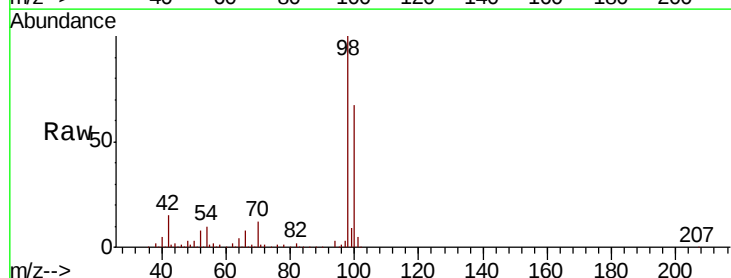
Instrument :
MSVOA_N
ClientSampled :

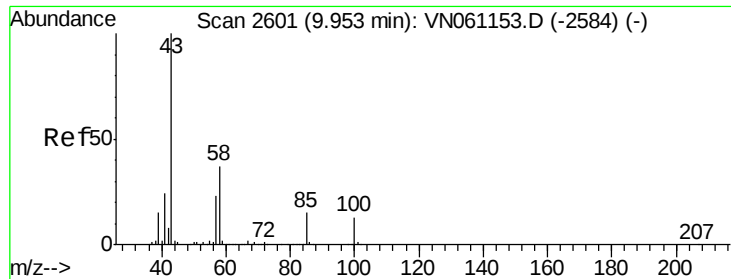
Tot Ion: 88 Resp: 22405
Ion Ratio Lower Upper
88 100
43 42.1 35.3 52.9
58 76.6 61.5 92.3



#50
Toluene-d8
Concen: 52.407 ug/l
RT: 10.06 min Scan# 2633
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion: 98 Resp: 231281
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.0

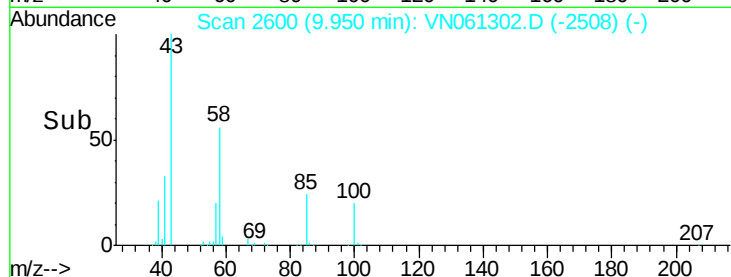
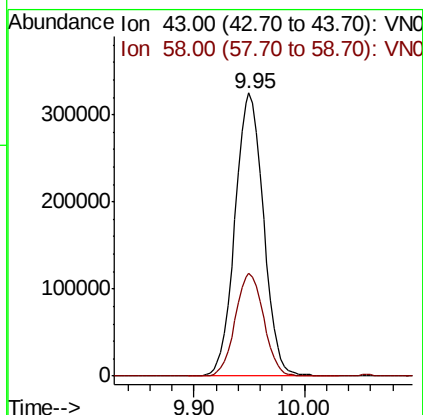
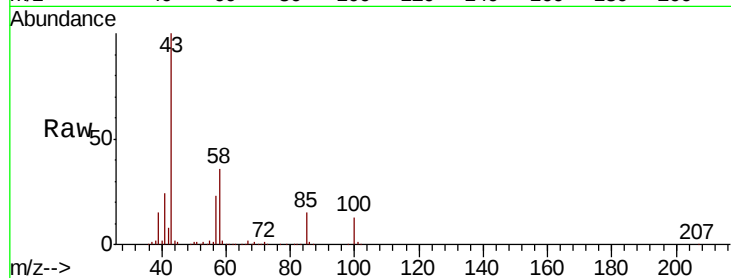




#51
4-Methyl-2-Pentanone
Concen: 277.484 ug/l
RT: 9.95 min Scan# 2600
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

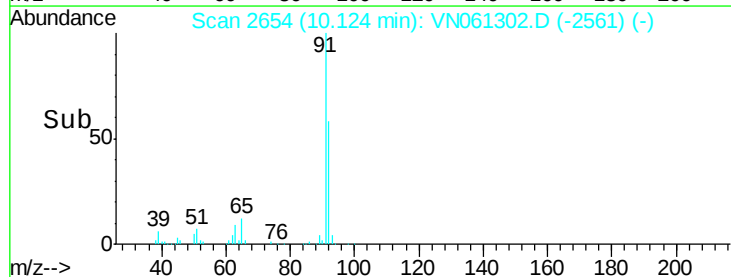
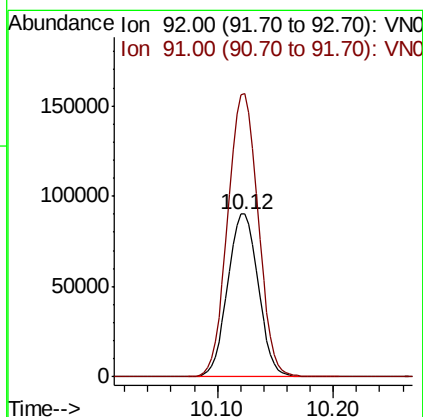
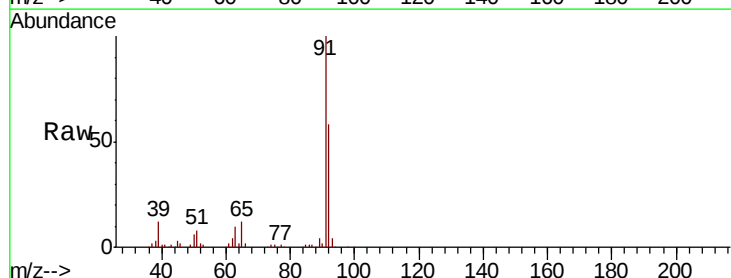
Instrument :
MSVOA_N
ClientSampled :

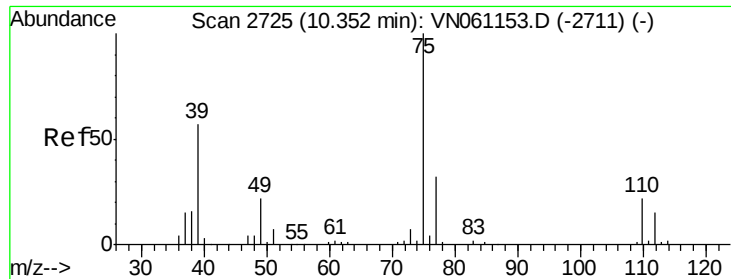
Tot Ion: 43 Resp: 582389
Ion Ratio Lower Upper
43 100
58 36.3 29.1 43.7



#52
Toluene
Concen: 50.082 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion: 92 Resp: 164705
Ion Ratio Lower Upper
92 100
91 173.2 136.2 204.2

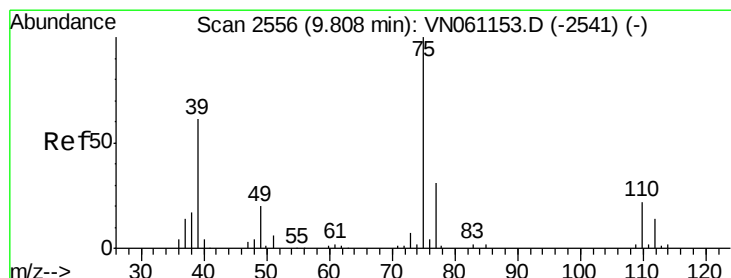
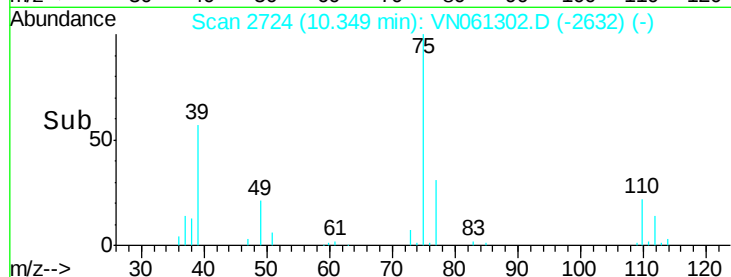
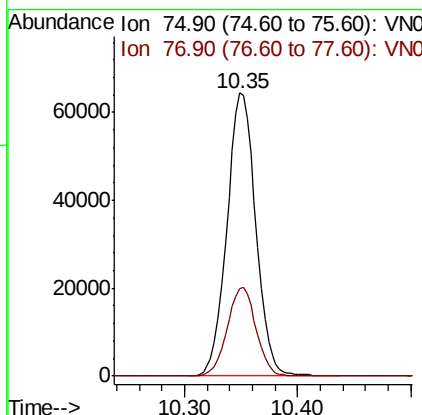
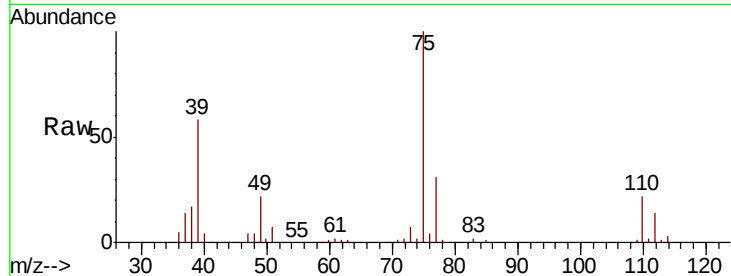




#53
 t-1,3-Dichloropropene
 Concen: 52.310 ug/l
 RT: 10.35 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

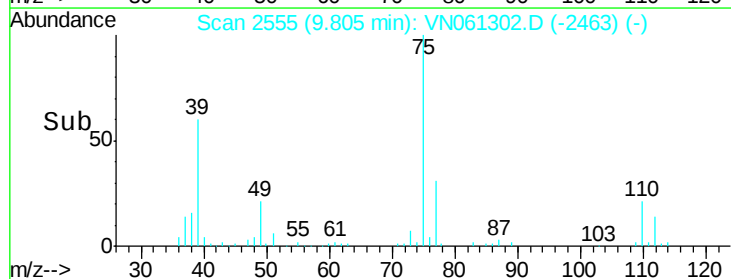
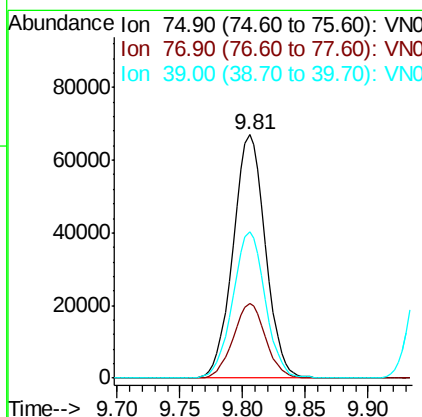
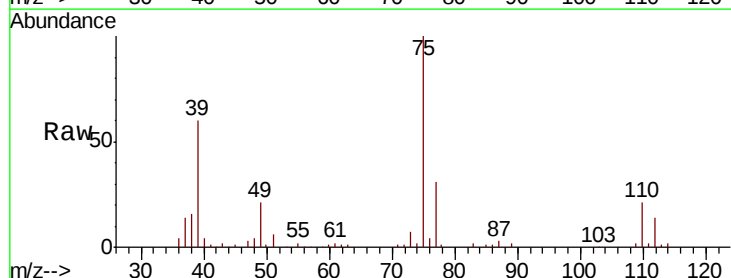
Instrument :
 MSVOA_N
 ClientSampleId :

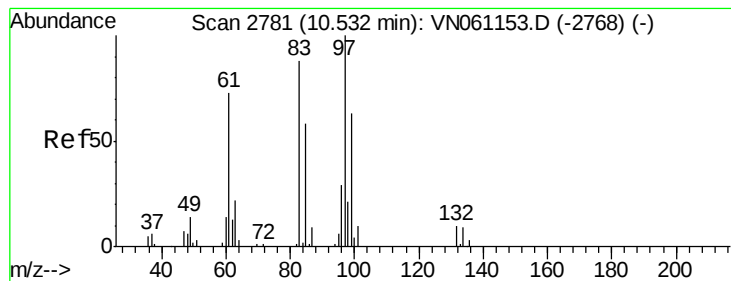
Tot Ion: 75 Resp: 114264
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 52.111 ug/l
 RT: 9.81 min Scan# 2555
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion: 75 Resp: 120339
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.0 37.4
 39 59.9 48.7 73.1





#55

1,1,2-Trichloroethane

Concen: 50.466 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 66200

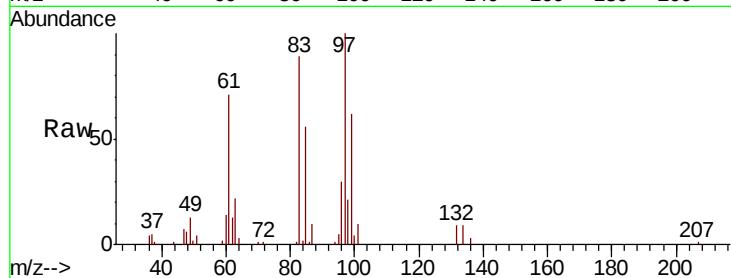
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.6	106.0
85	56.3	46.4	69.6
99	62.3	50.6	75.8

97 100

83 89.0 70.6 106.0

85 56.3 46.4 69.6

99 62.3 50.6 75.8



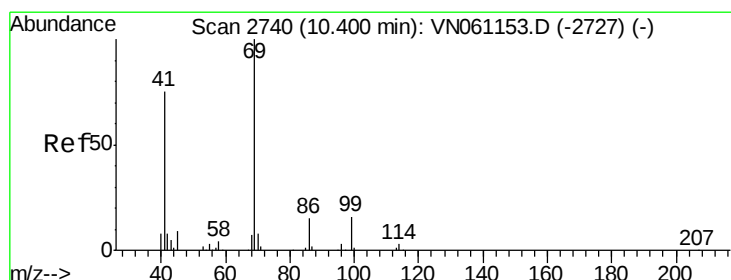
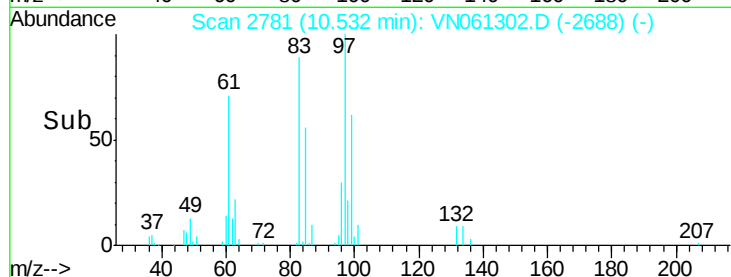
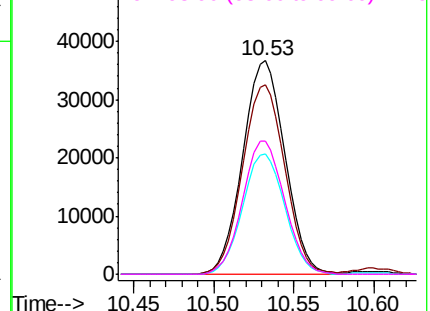
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 48.107 ug/l

RT: 10.40 min Scan# 2739

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

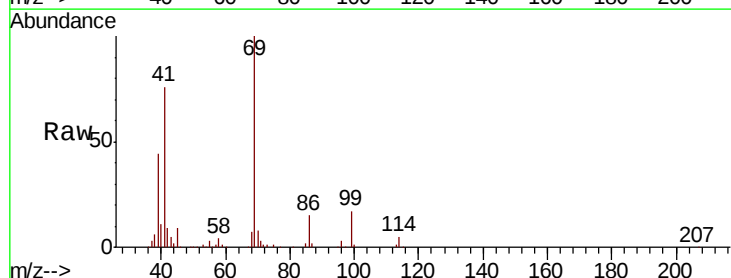
Tgt Ion: 69 Resp: 109717

Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.3	90.5
39	44.2	35.9	53.9

69 100

41 75.7 60.3 90.5

39 44.2 35.9 53.9

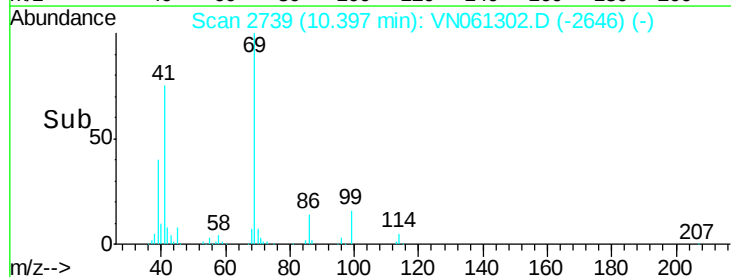
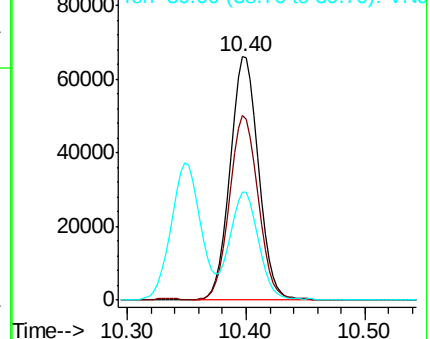


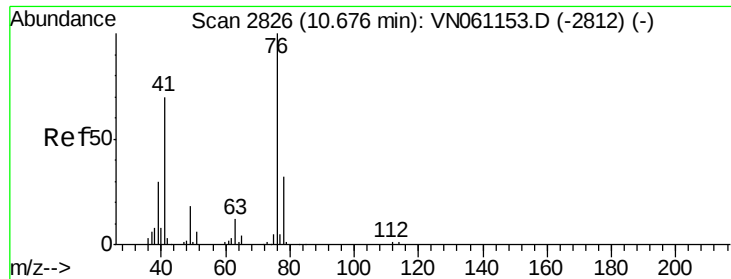
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

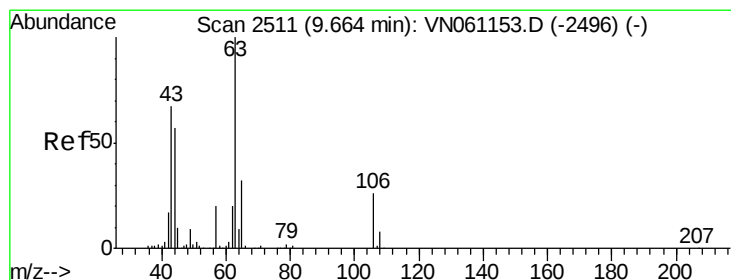
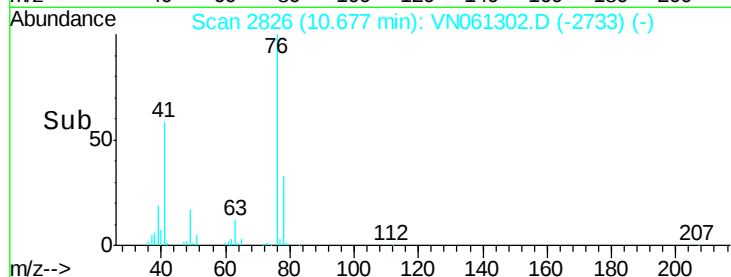
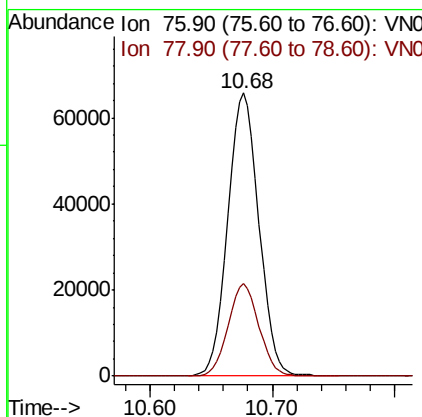
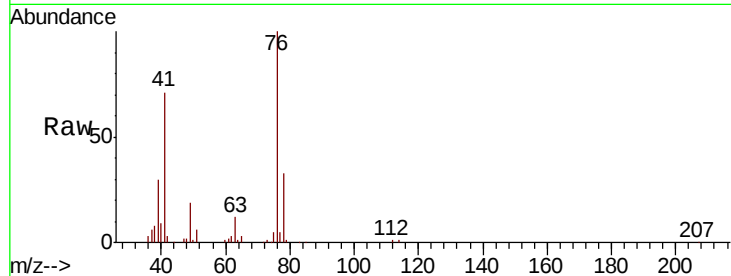




#57
 1,3-Dichloropropane
 Concen: 50.764 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

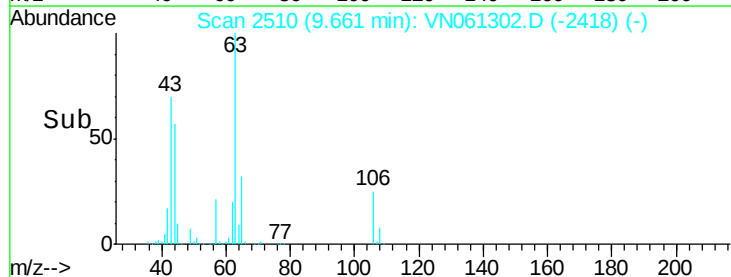
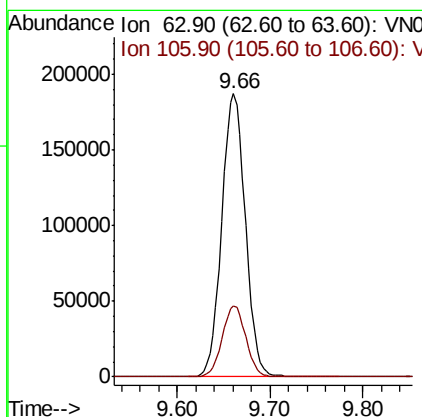
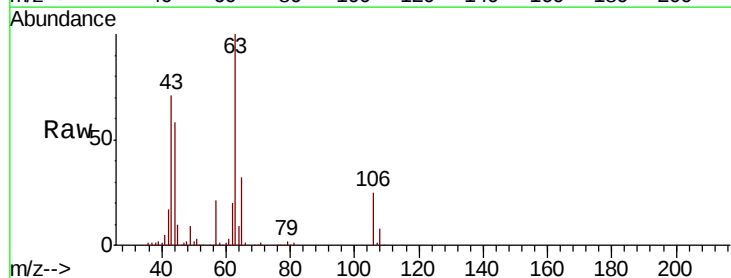
Instrument :
 MSVOA_N
 ClientSampled :

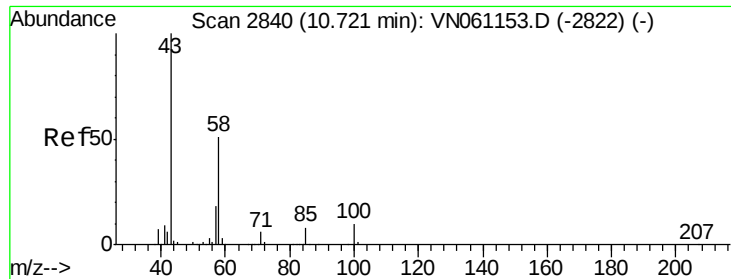
Tot Ion: 76 Resp: 117051
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 311.696 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion: 63 Resp: 330963
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.6 30.8

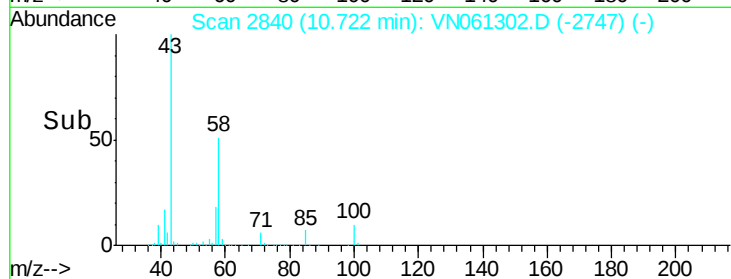
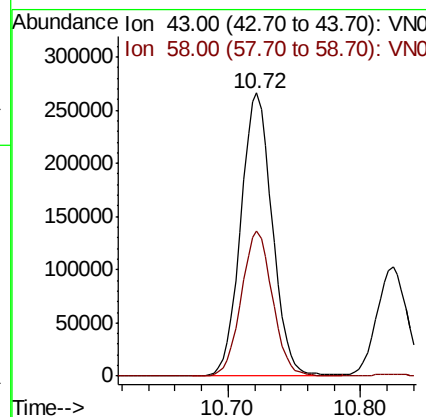
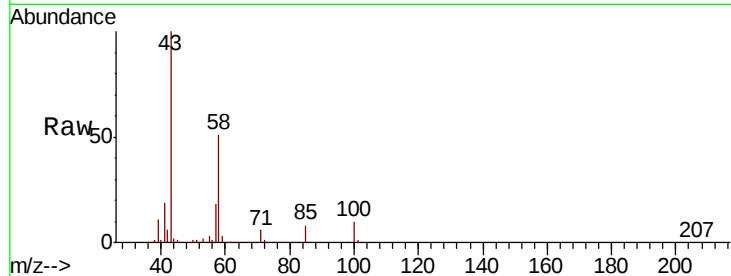




#59
2-Hexanone
Concen: 287.805 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

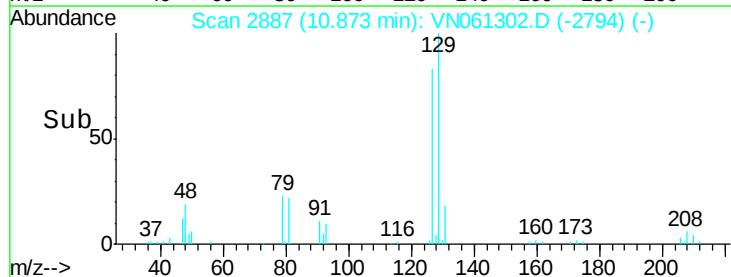
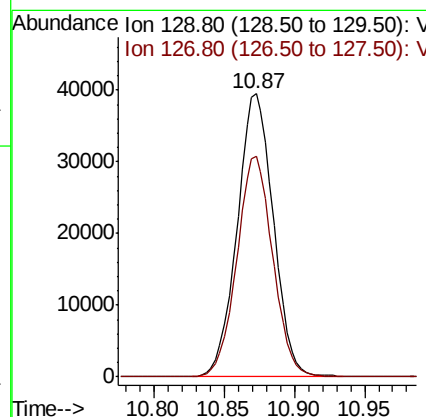
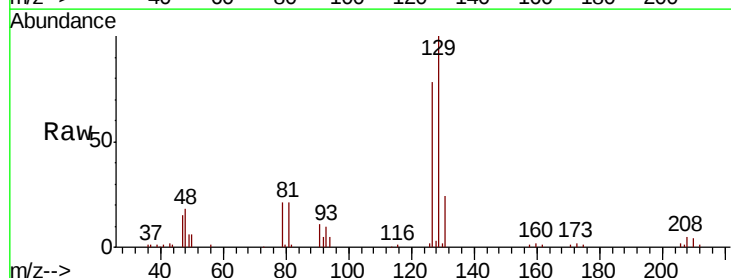
Instrument :
MSVOA_N
ClientSampleId :

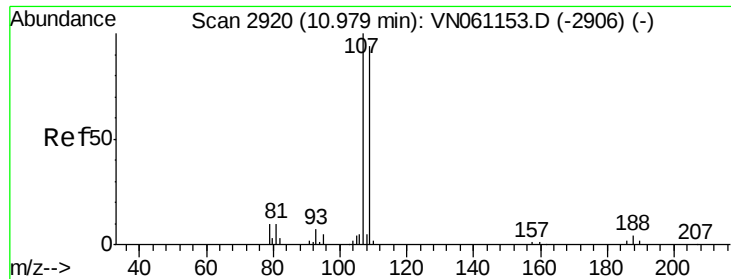
Tot Ion: 43 Resp: 439459
Ion Ratio Lower Upper
43 100
58 50.8 25.4 76.4



#60
Dibromochloromethane
Concen: 51.577 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion: 129 Resp: 70861
Ion Ratio Lower Upper
129 100
127 77.4 39.3 117.8

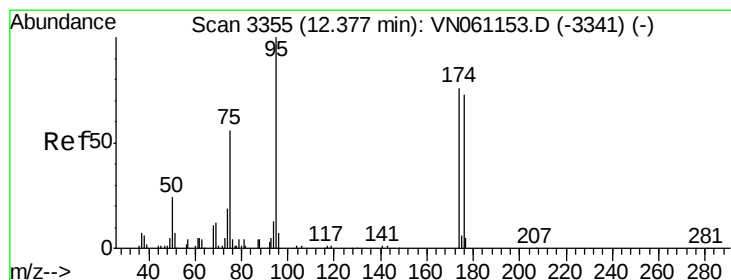
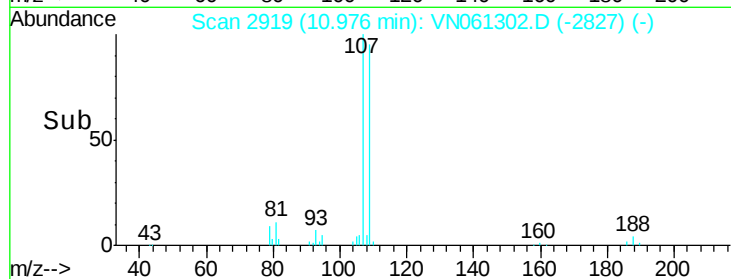
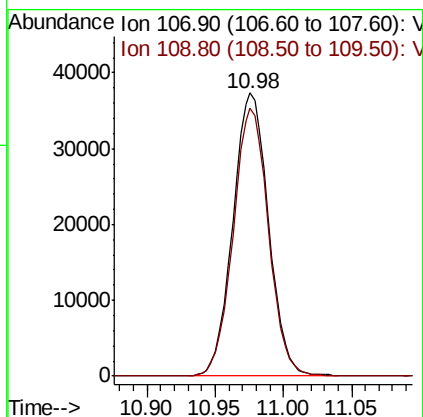
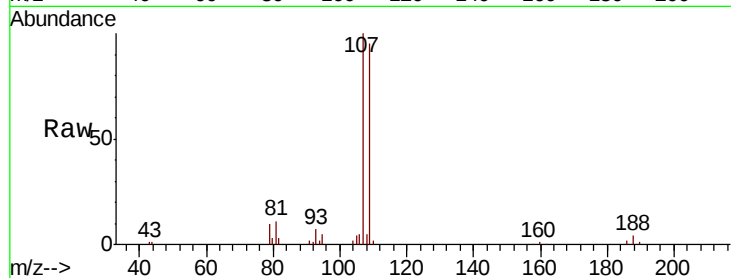




#61
 1,2-Dibromoethane
 Concen: 51.338 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

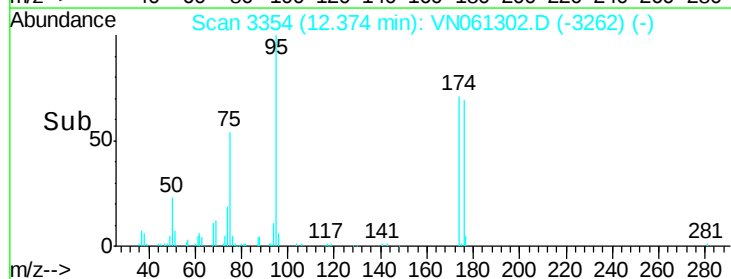
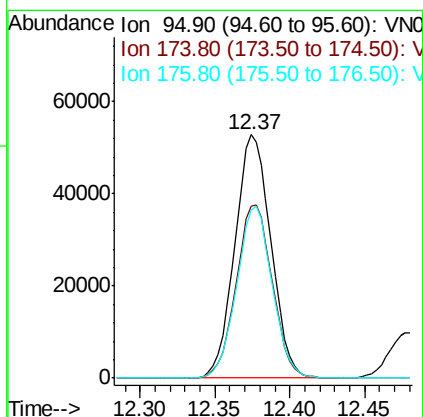
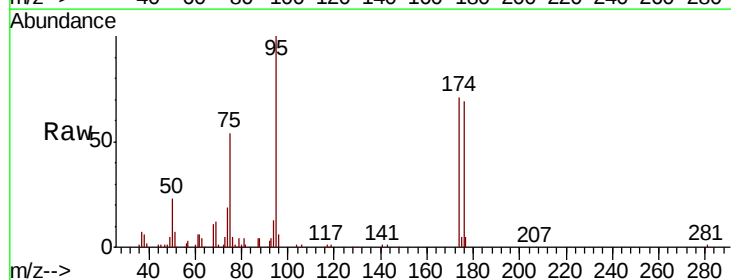
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:107 Resp: 67498
 Ion Ratio Lower Upper
 107 100
 109 93.8 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 53.308 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion: 95 Resp: 88531
 Ion Ratio Lower Upper
 95 100
 174 71.3 0.0 149.4
 176 69.2 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: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampled :

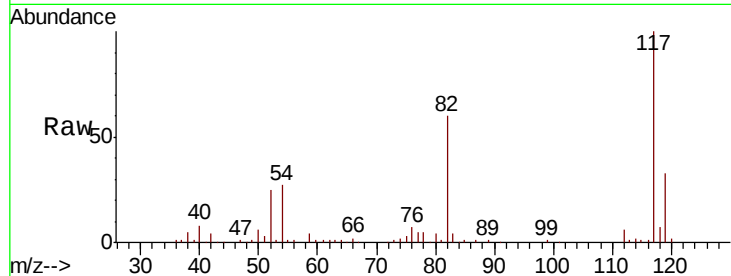
Tot Ion:117 Resp: 169770

Ion Ratio Lower Upper

117 100

82 60.5 47.8 71.8

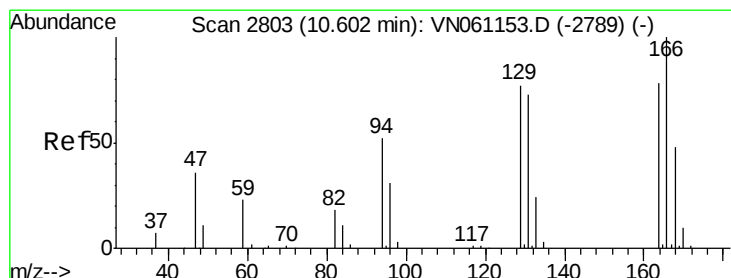
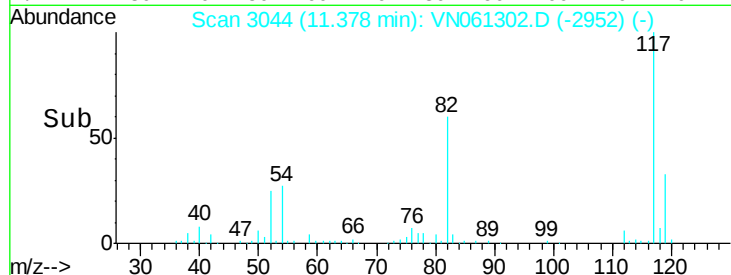
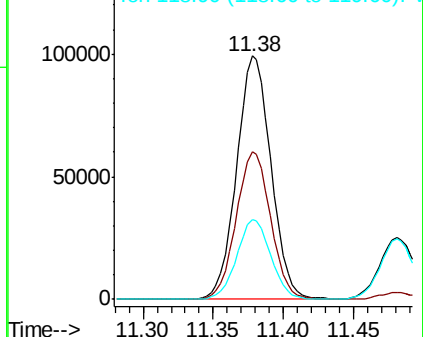
119 32.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.626 ug/l

RT: 10.60 min Scan# 2803

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Tgt Ion:164 Resp: 67088

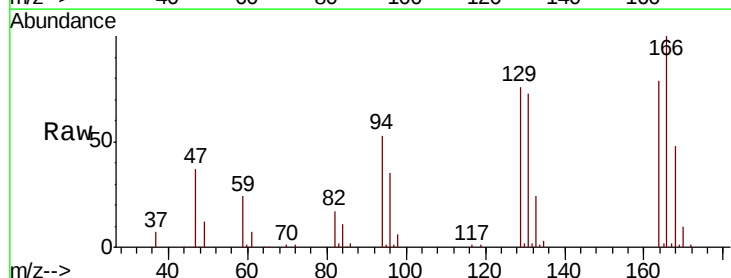
Ion Ratio Lower Upper

164 100

166 127.0 102.0 153.0

129 96.7 78.2 117.2

131 92.8 74.5 111.7

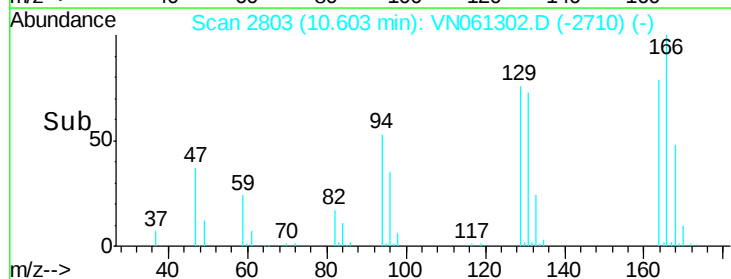
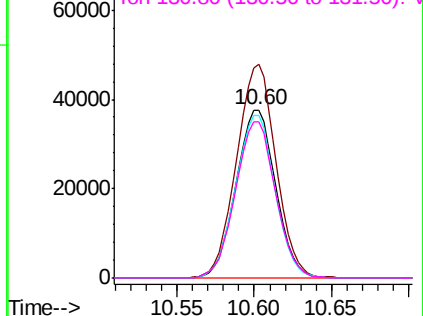


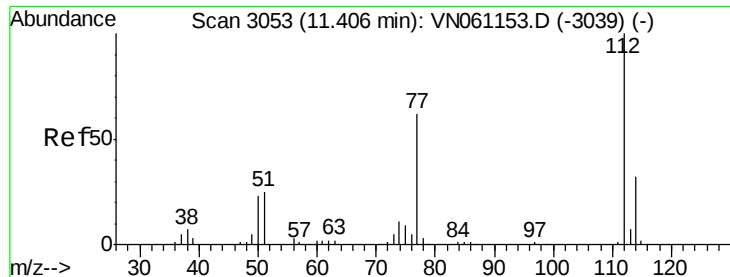
Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.192 ug/l

RT: 11.40 min Scan# 3052

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

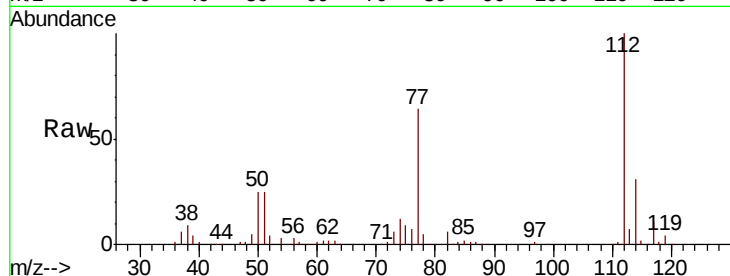
ClientSampled :

Tot Ion:112 Resp: 169030

Ion Ratio Lower Upper

112 100

114 31.4 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.40

100000

80000

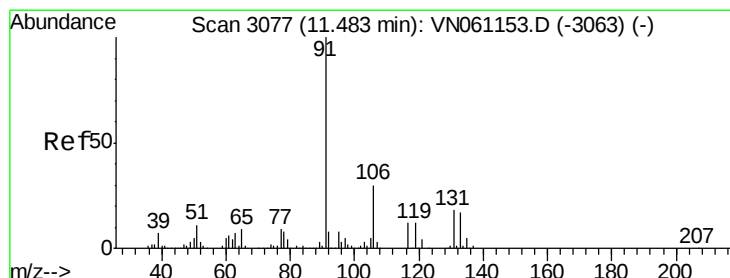
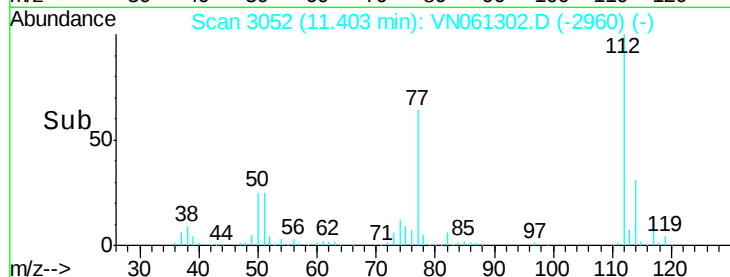
60000

40000

20000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 53.390 ug/l

RT: 11.48 min Scan# 3076

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

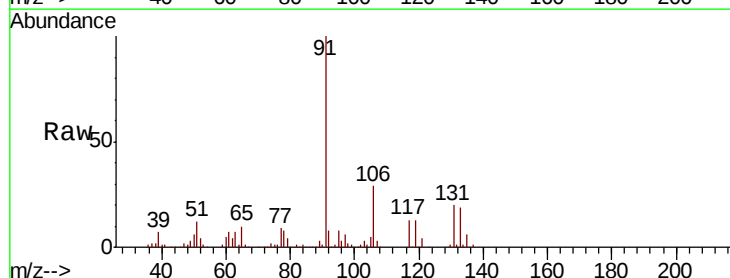
Tgt Ion:131 Resp: 64352

Ion Ratio Lower Upper

131 100

133 94.3 48.0 144.2

119 65.1 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.48

50000

40000

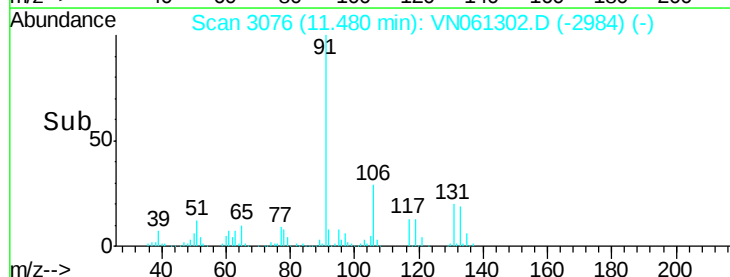
30000

20000

10000

0

Time--> 11.40 11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 51.303 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

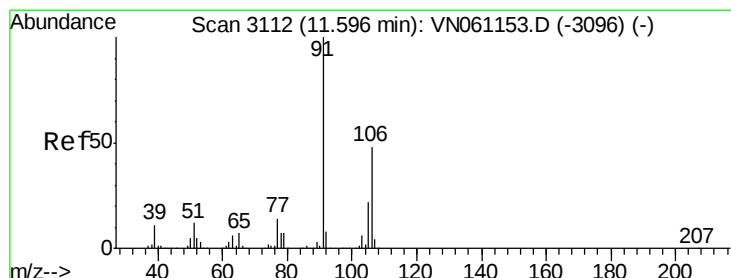
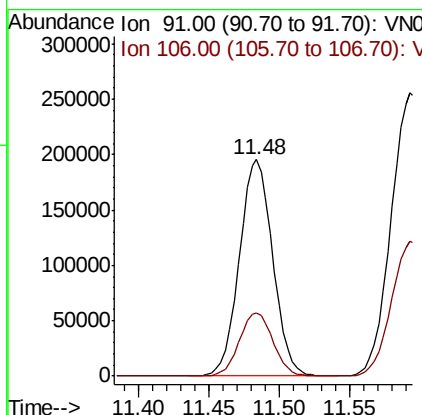
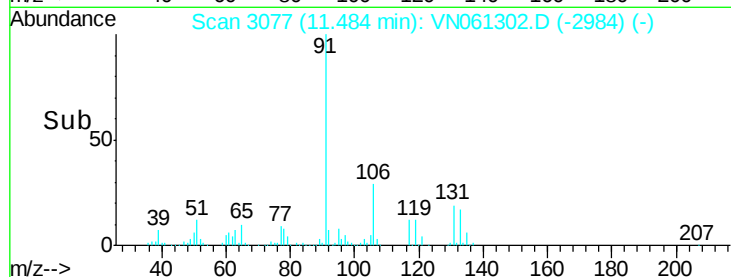
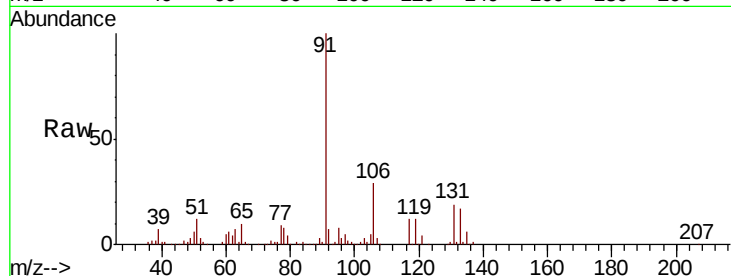
ClientSampleId :

Tot Ion: 91 Resp: 323428

Ion Ratio Lower Upper

91 100

106 29.4 23.8 35.6



#68

m/p-Xylenes

Concen: 102.503 ug/l

RT: 11.59 min Scan# 3111

Delta R.T. -0.00 min

Lab File: VN061302.D

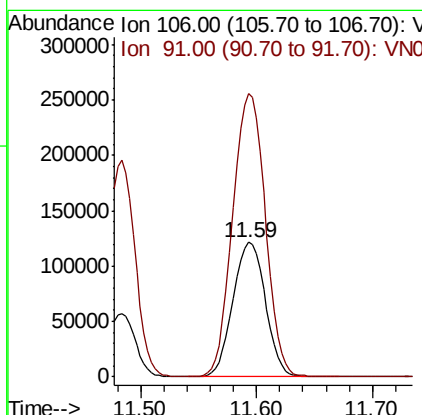
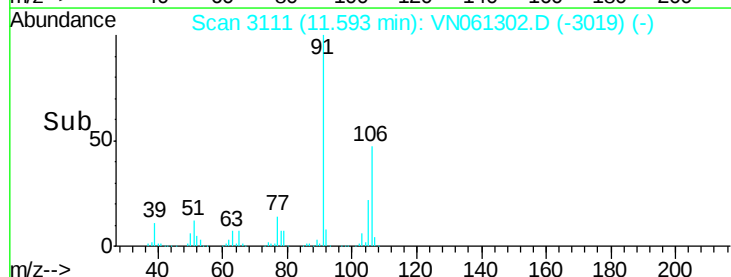
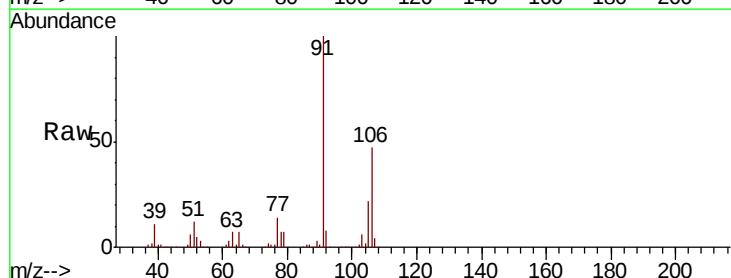
Acq: 6 May 2020 11:14

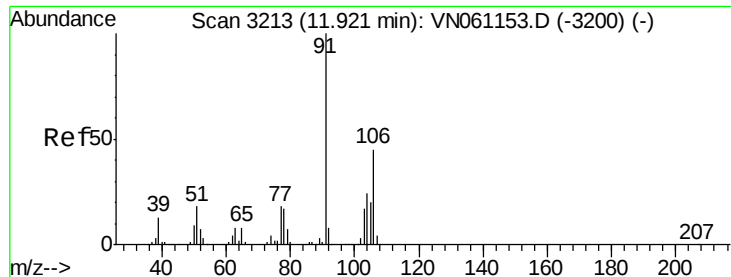
Tgt Ion: 106 Resp: 236530

Ion Ratio Lower Upper

106 100

91 211.1 166.4 249.6

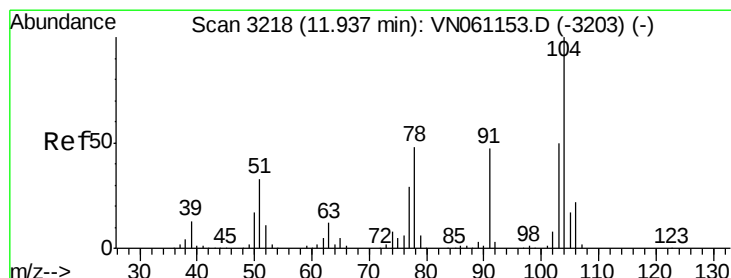
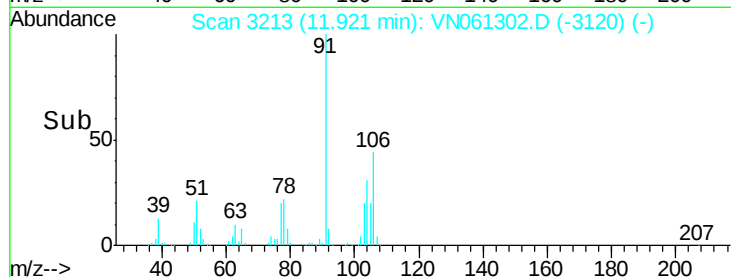
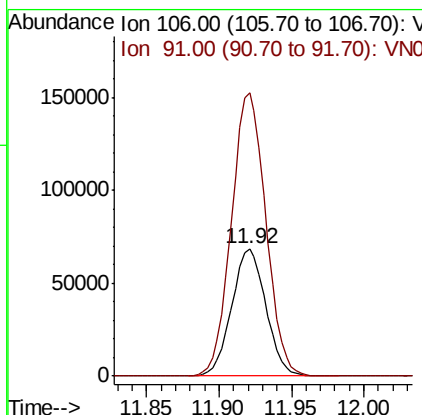
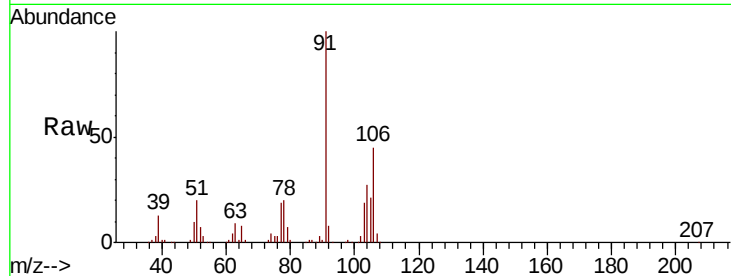




#69
o-Xylene
Concen: 50.628 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

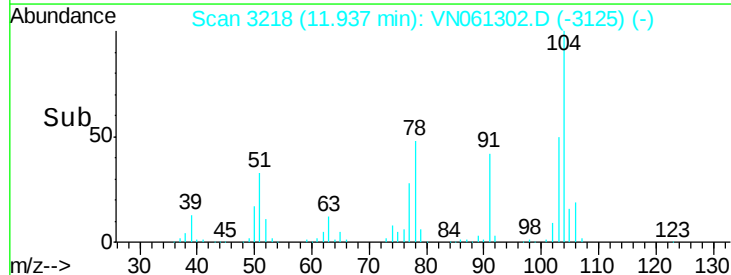
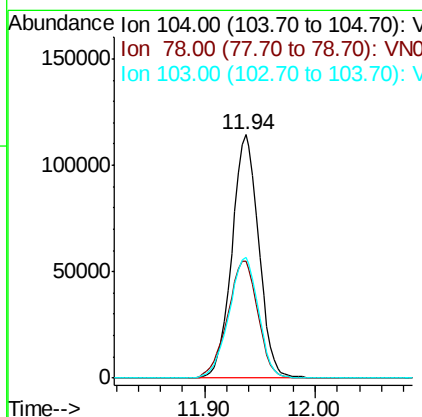
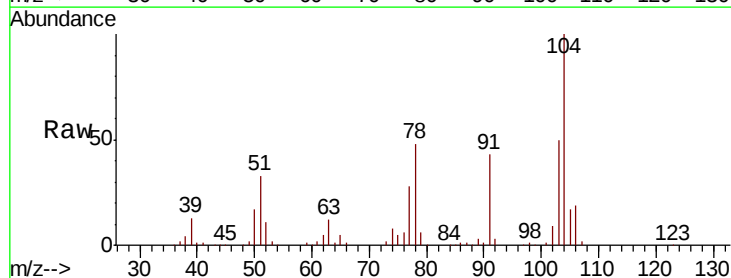
Instrument :
MSVOA_N
ClientSampled :

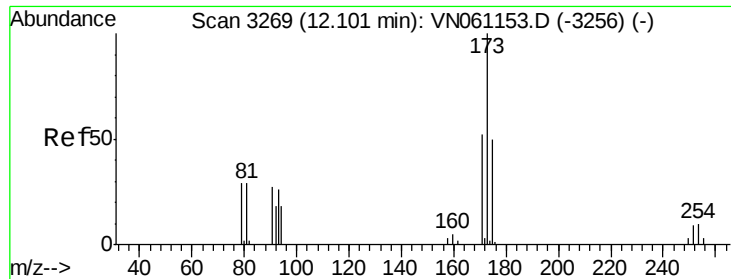
Tot Ion:106 Resp: 112218
Ion Ratio Lower Upper
106 100
91 224.3 109.7 329.0



#70
Styrene
Concen: 52.009 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion:104 Resp: 192945
Ion Ratio Lower Upper
104 100
78 54.3 42.1 63.1
103 54.5 43.3 64.9





#71

Bromoform

Concen: 55.628 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

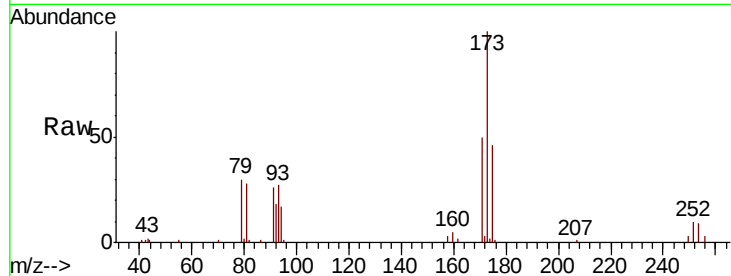
Tot Ion:173 Resp: 49278

Ion Ratio Lower Upper

173 100

175 47.5 24.1 72.4

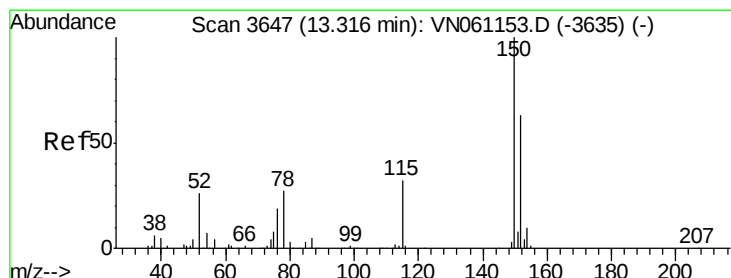
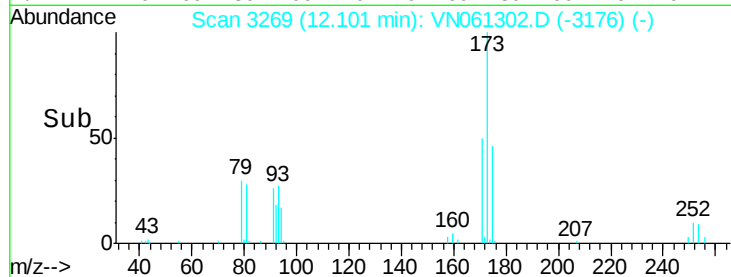
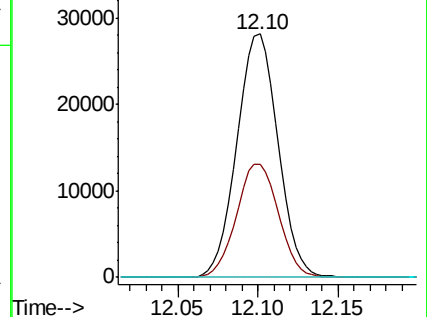
254 0.0 0.0 0.0



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# 3648

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

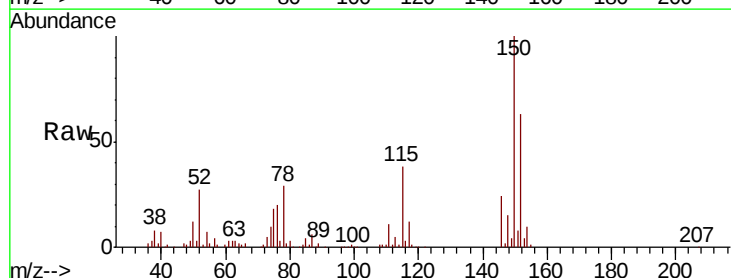
Tgt Ion:152 Resp: 81597

Ion Ratio Lower Upper

152 100

115 62.7 31.0 93.0

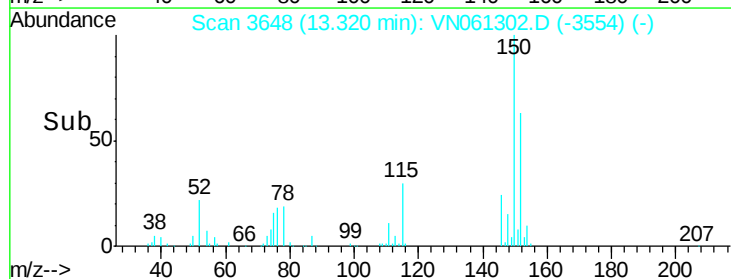
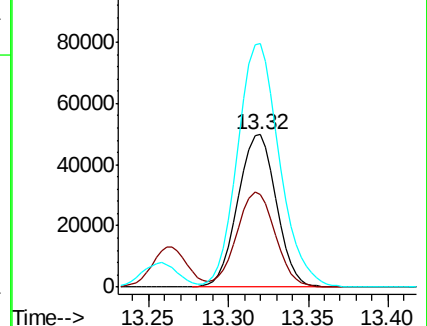
150 174.8 0.0 351.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.636 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

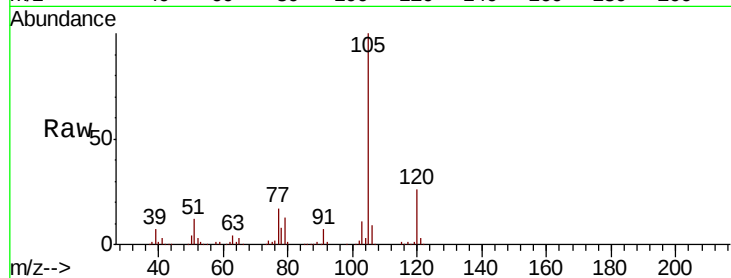
ClientSampleId :

Tot Ion:105 Resp: 309743

Ion Ratio Lower Upper

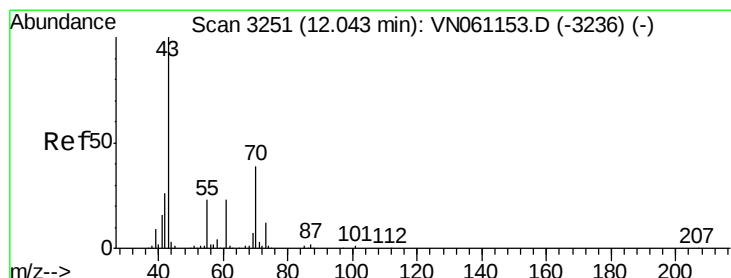
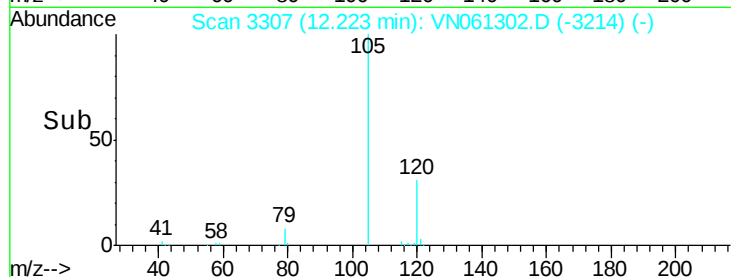
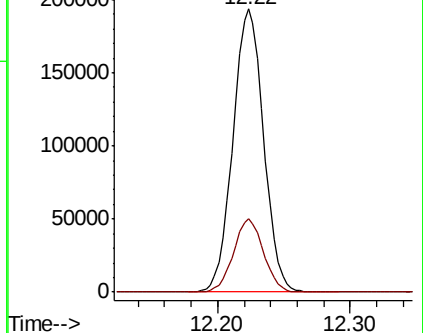
105 100

120 25.4 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: 53.915 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Tgt Ion: 43 Resp: 163771

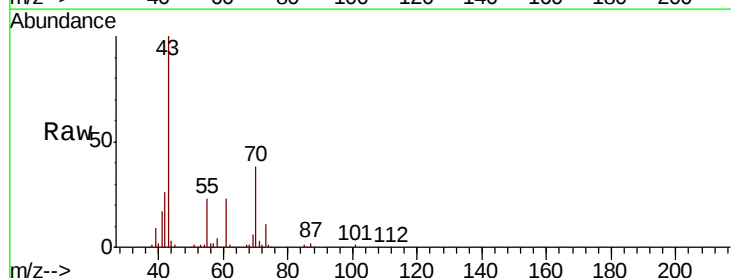
Ion Ratio Lower Upper

43 100

70 37.5 30.6 46.0

55 22.9 18.5 27.7

61 22.3 17.9 26.9

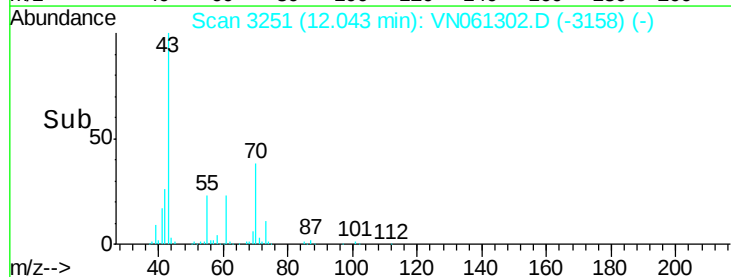
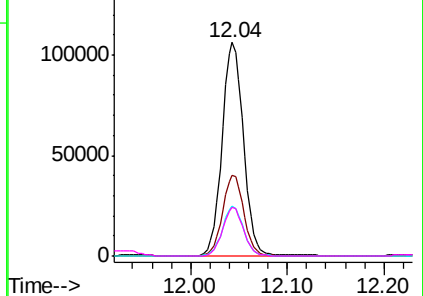


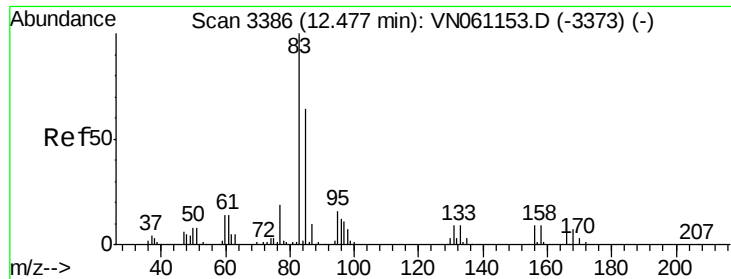
Abundance Ion 43.00 (42.70 to 43.70): V

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: 53.139 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

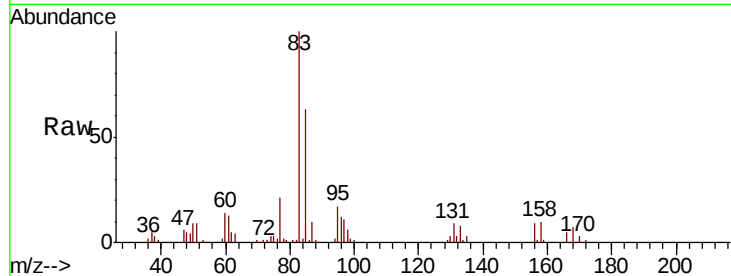
Tot Ion: 83 Resp: 99393

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.3

85 63.4 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN061302.D (-3293) (-)

Ion 130.80 (130.50 to 131.50): VN061302.D (-3293) (-)

Ion 84.90 (84.60 to 85.60): VN061302.D (-3293) (-)

12.48

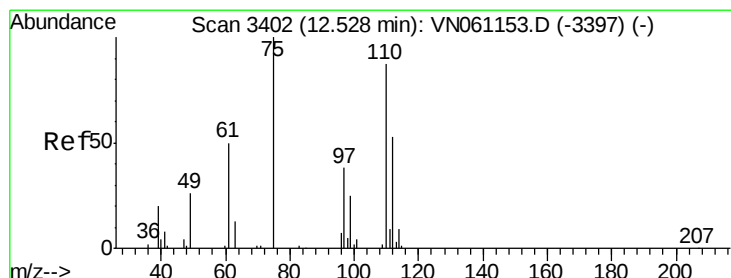
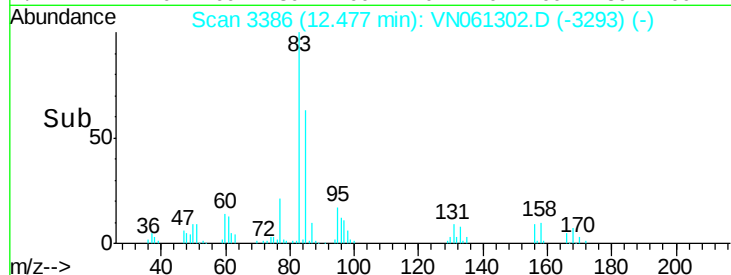
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 81.010 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061302.D

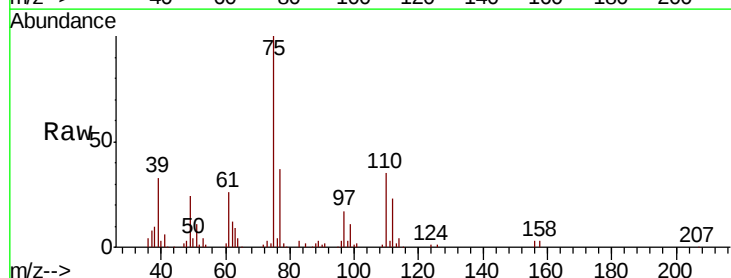
Acq: 6 May 2020 11:14

Tgt Ion: 75 Resp: 139361

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061302.D (-3309) (-)

Ion 77.00 (76.70 to 77.70): VN061302.D (-3309) (-)

12.53

80000

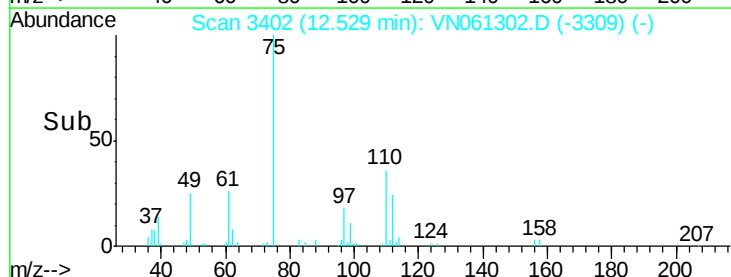
60000

40000

20000

0

Time--> 12.40 12.50 12.60





#77

Bromobenzene

Concen: 50.361 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

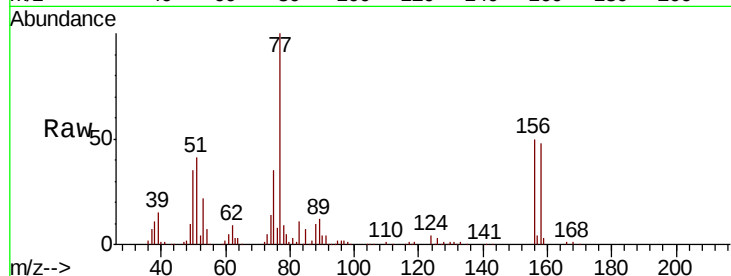
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:156 Resp: 69737

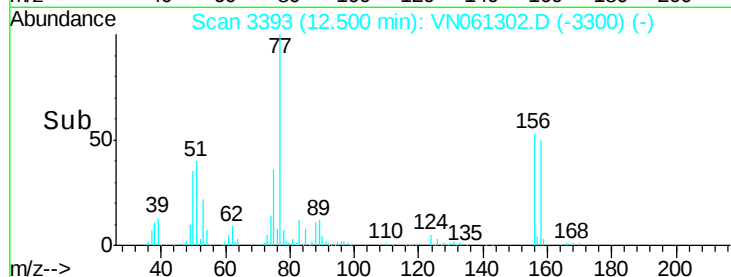
Ion	Ratio	Lower	Upper
156	100		
77	244.9	117.4	352.2
158	96.3	48.4	145.0



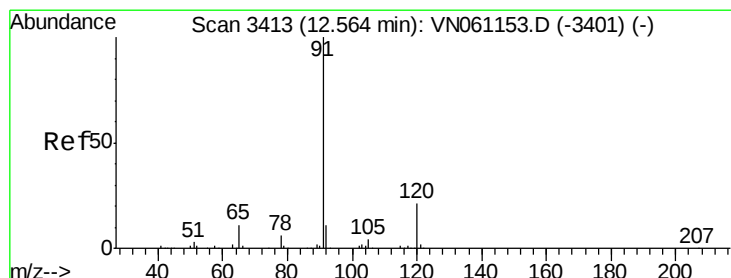
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 52.176 ug/l

RT: 12.56 min Scan# 3413

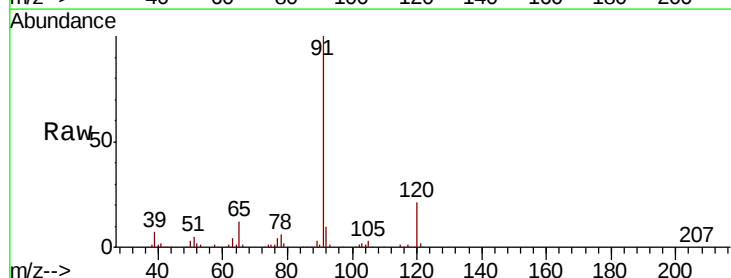
Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

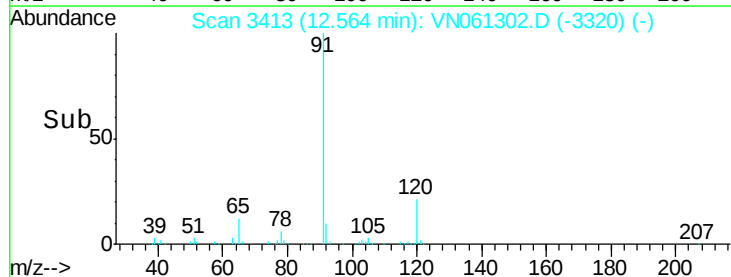
Tgt Ion: 91 Resp: 371231

Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.8	32.3

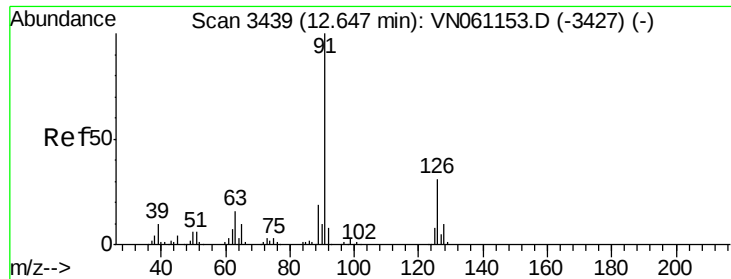


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



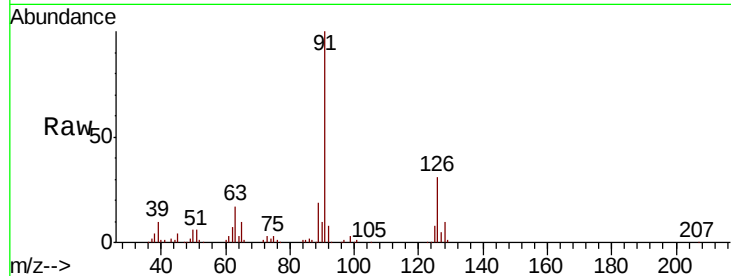
Time-->



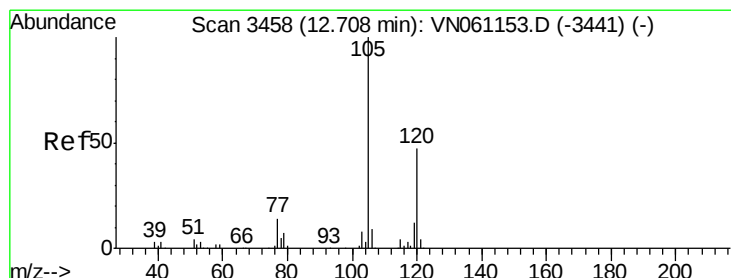
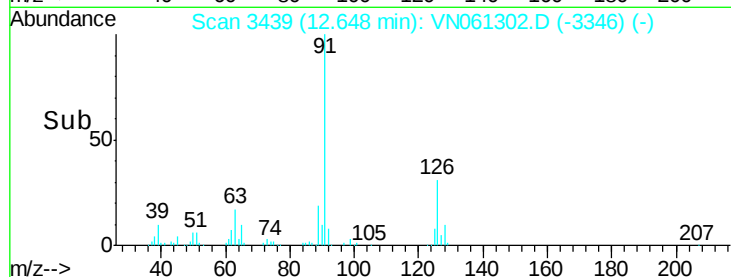
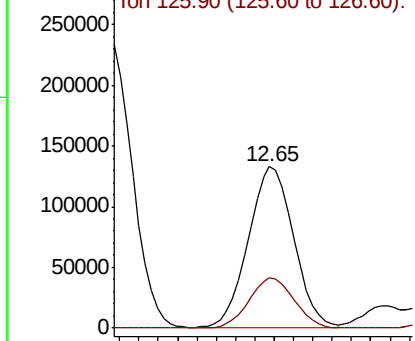
#79
 2-Chlorotoluene
 Concen: 51.822 ug/l
 RT: 12.65 min Scan# 3439
 Delta R.T. 0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 91 Resp: 216722
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.9 47.7

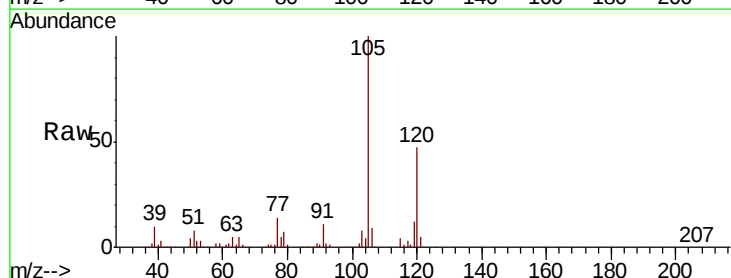


Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)
 Ion 125.90 (125.60 to 126.60): VN061153.D (-3427) (-)

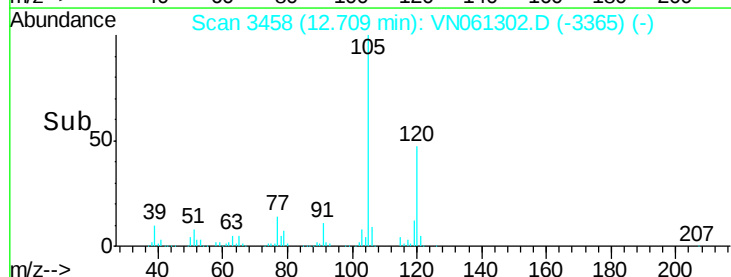
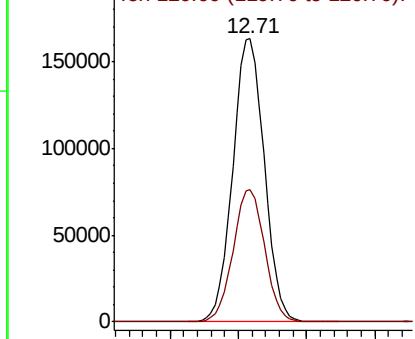


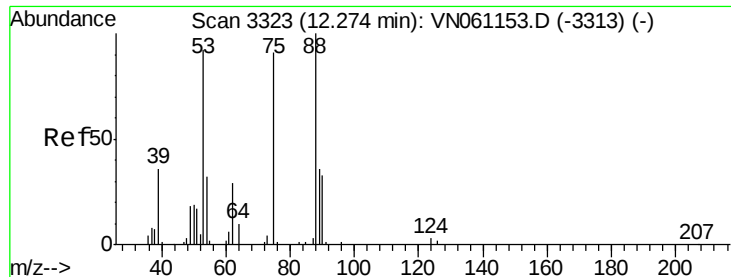
#80
 1,3,5-Trimethylbenzene
 Concen: 52.843 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion: 105 Resp: 262352
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)
 Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 56.499 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

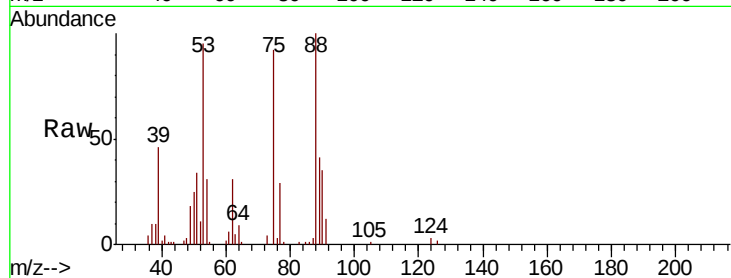
Tot Ion: 75 Resp: 38273

Ion Ratio Lower Upper

75 100

53 104.6 84.1 126.1

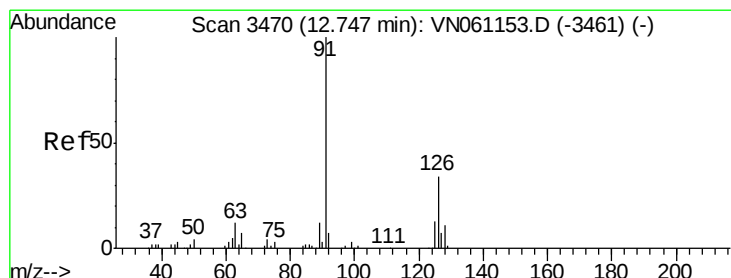
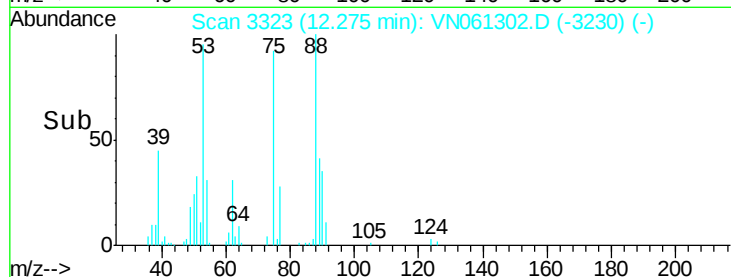
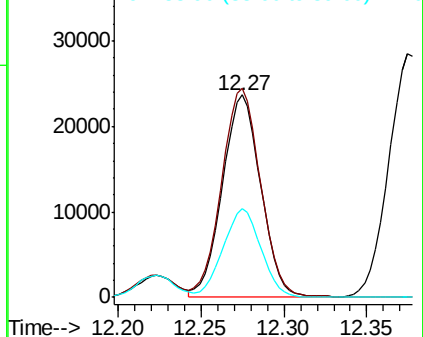
89 43.2 35.2 52.8



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: 52.390 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061302.D

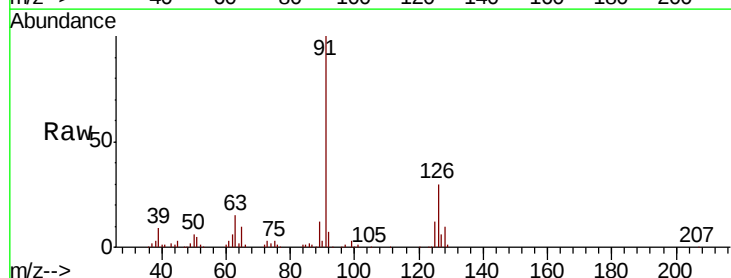
Acq: 6 May 2020 11:14

Tgt Ion: 91 Resp: 230918

Ion Ratio Lower Upper

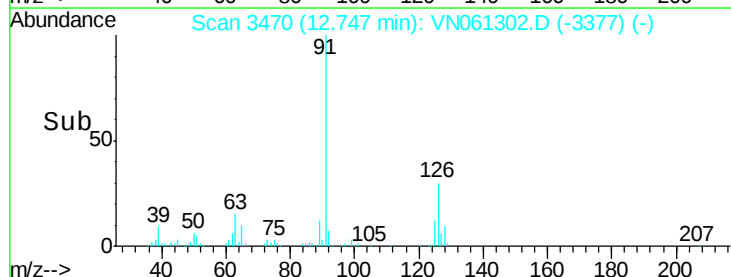
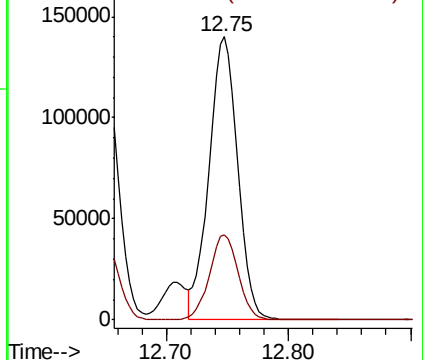
91 100

126 30.1 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

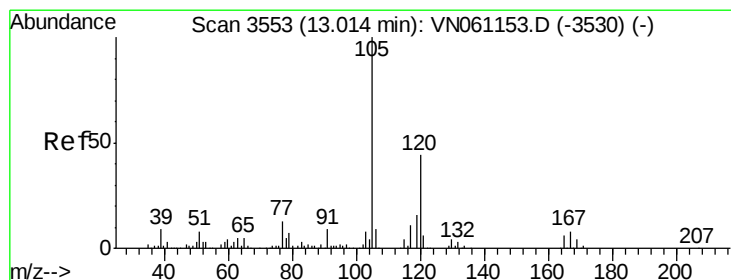
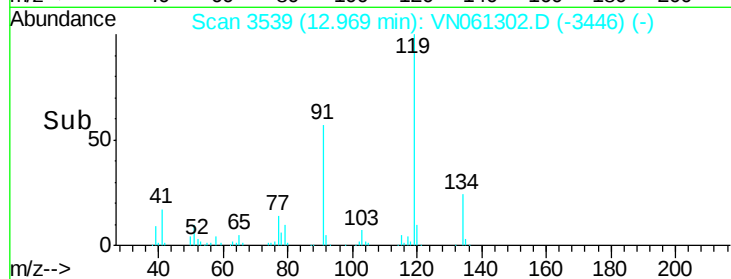
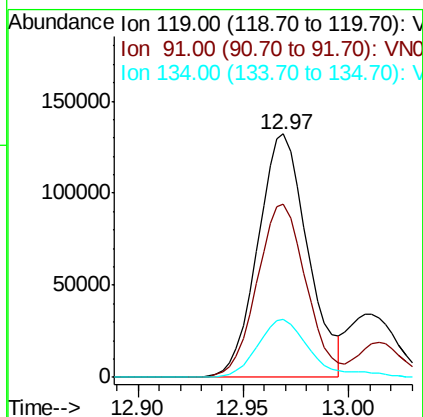
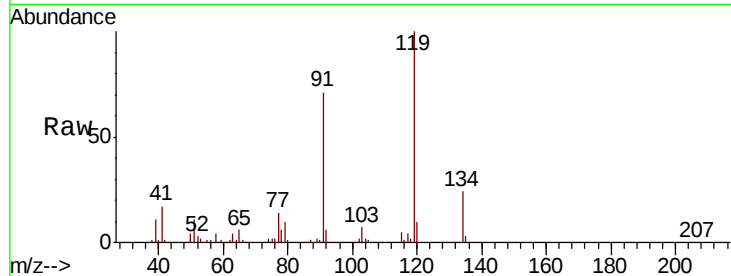




#83
tert-Butylbenzene
Concen: 51.848 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

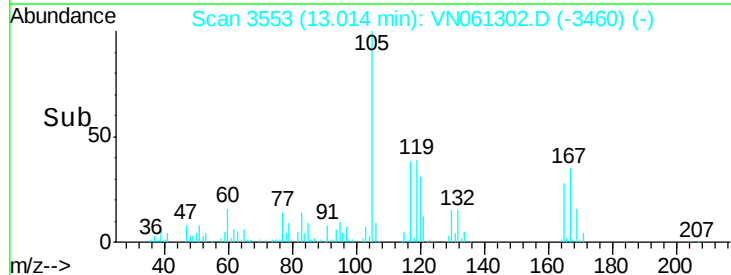
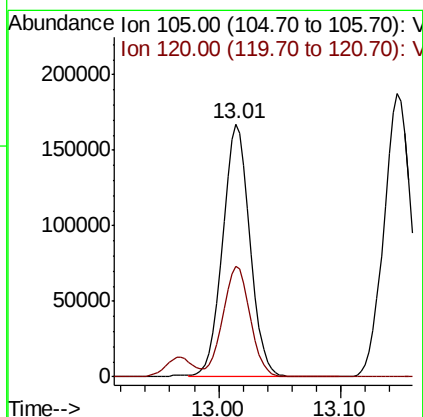
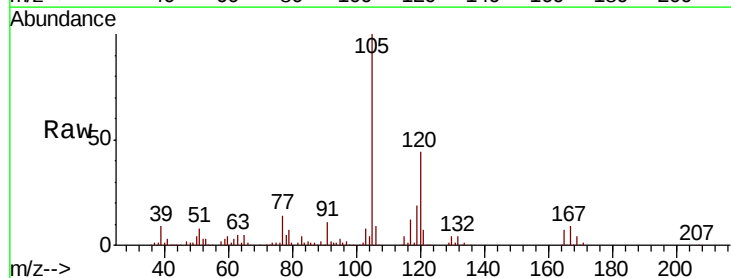
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 217053
Ion Ratio Lower Upper
119 100
91 70.4 34.8 104.4
134 25.3 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 51.434 ug/l
RT: 13.01 min Scan# 3553
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion:105 Resp: 263091
Ion Ratio Lower Upper
105 100
120 44.1 22.2 66.6





#85

sec-Butylbenzene

Concen: 51.840 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

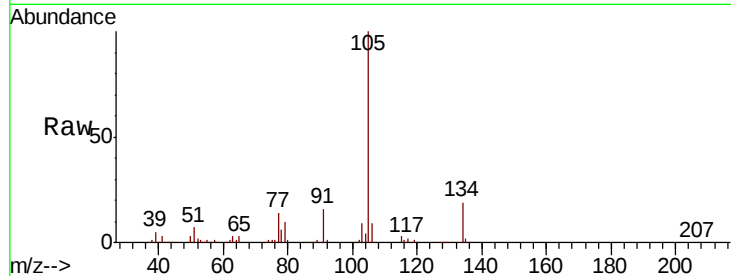
ClientSampled :

Tot Ion:105 Resp: 295883

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

13.15

200000

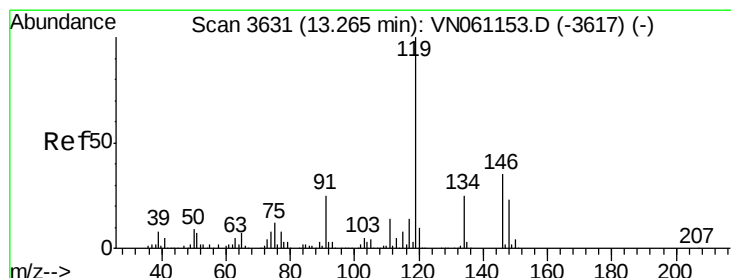
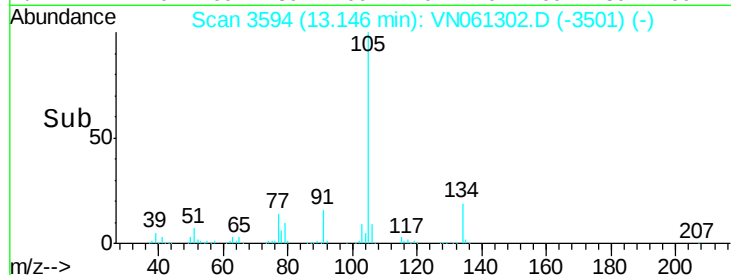
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.782 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

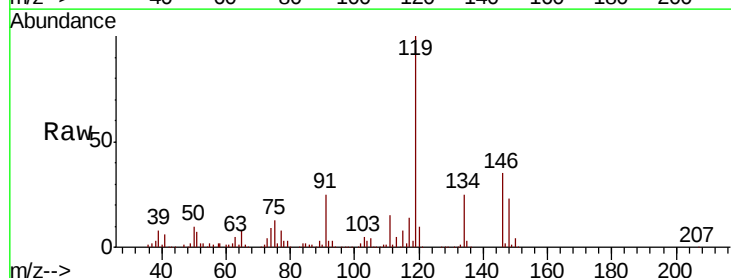
Tgt Ion:119 Resp: 266286

Ion Ratio Lower Upper

119 100

134 24.9 12.6 37.6

91 25.6 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

13.26

200000

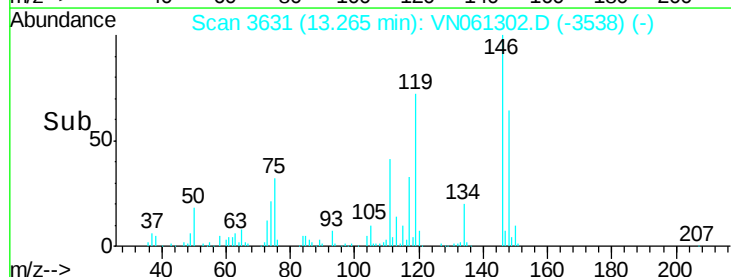
150000

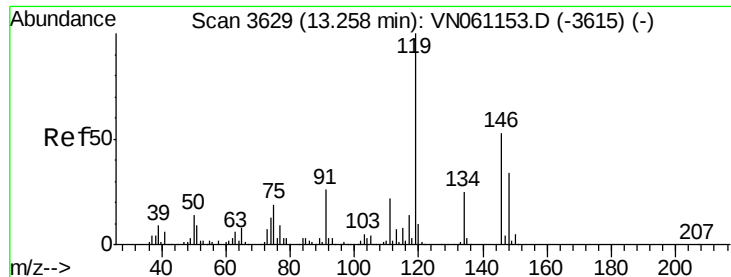
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.665 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampled :

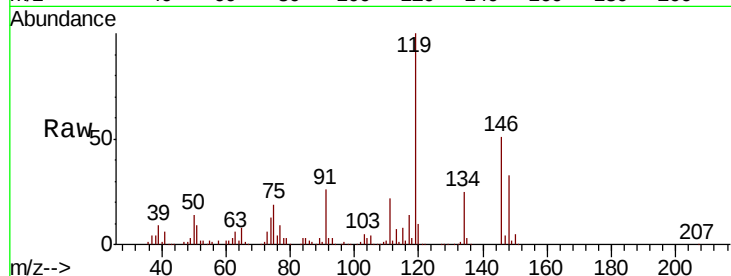
Tot Ion:146 Resp: 129154

Ion Ratio Lower Upper

146 100

111 42.2 20.7 62.1

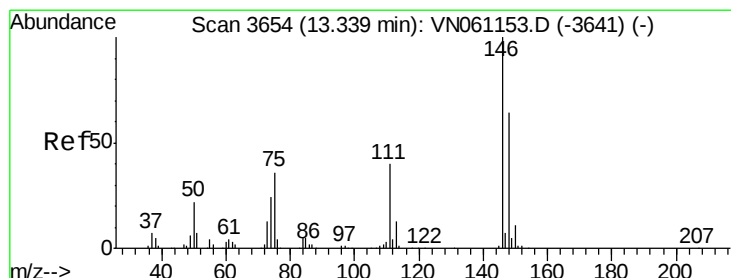
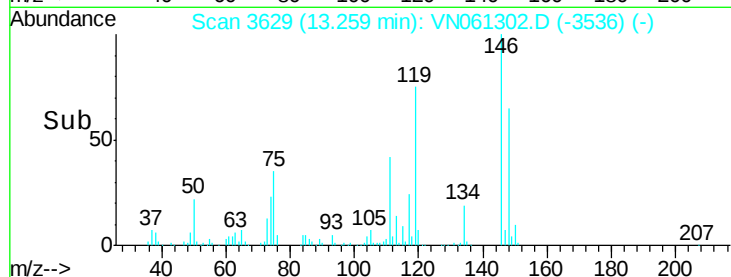
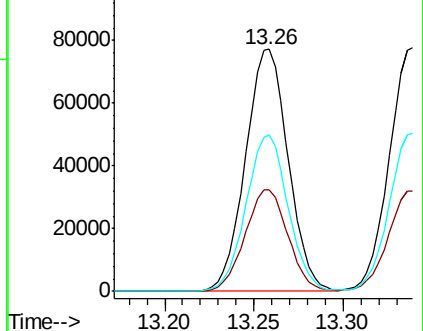
148 63.6 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.471 ug/l

RT: 13.34 min Scan# 3654

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

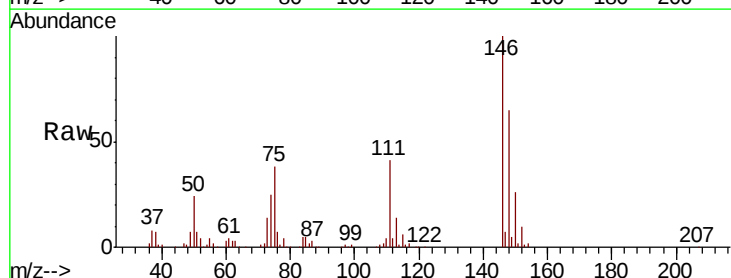
Tgt Ion:146 Resp: 128853

Ion Ratio Lower Upper

146 100

111 41.5 20.4 61.3

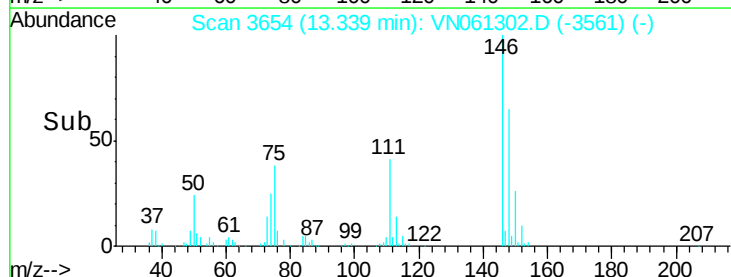
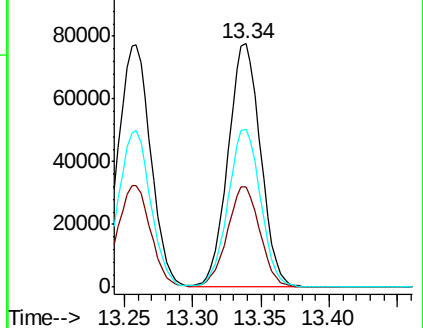
148 64.8 31.9 95.7

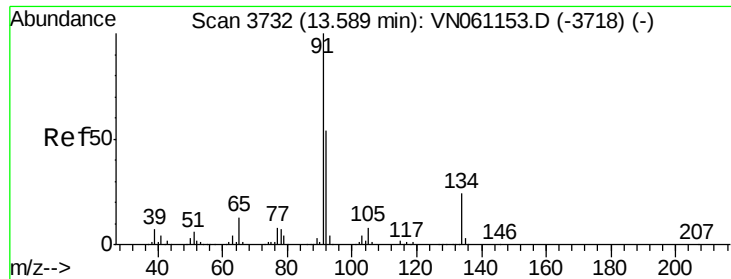


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

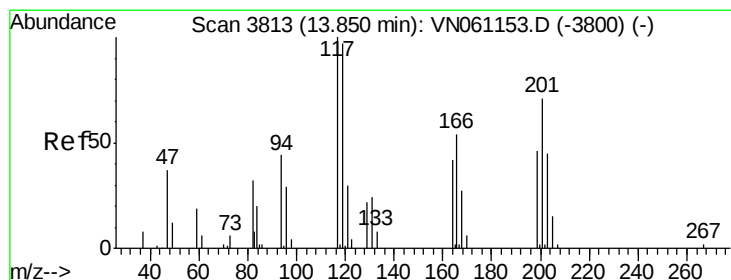
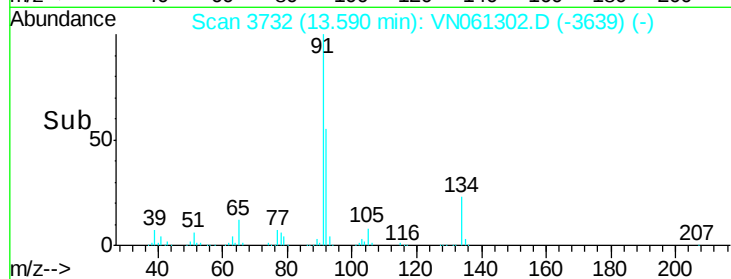
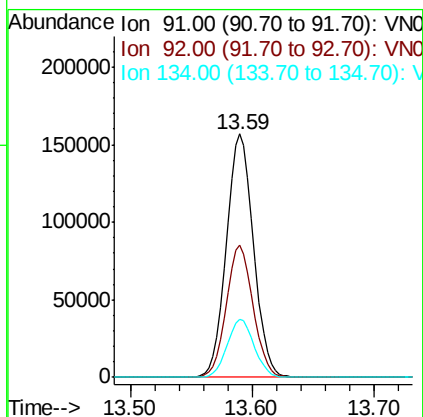
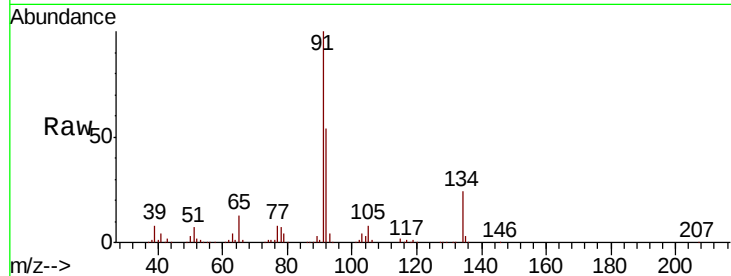




#89
n-Butylbenzene
Concen: 51.908 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

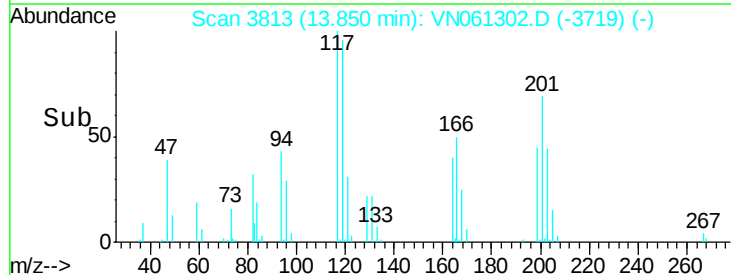
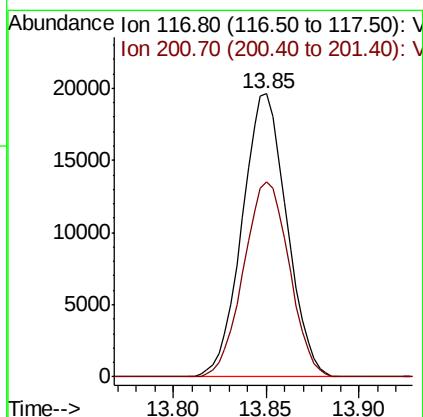
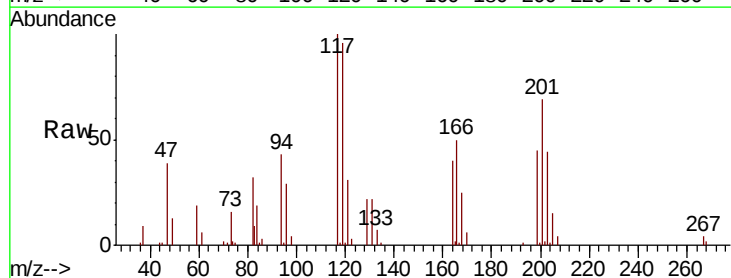
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 244712
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.3
134 23.8 11.9 35.5



#90
Hexachloroethane
Concen: 59.435 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion: 117 Resp: 32791
Ion Ratio Lower Upper
117 100
201 70.5 35.5 106.7

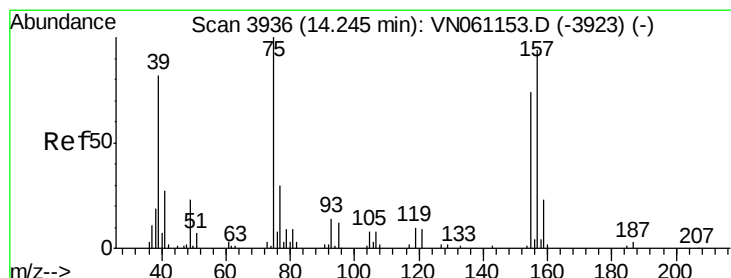
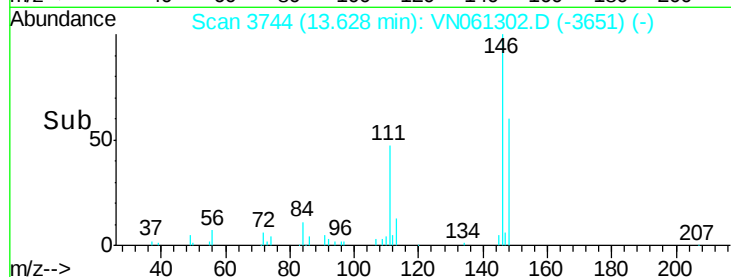
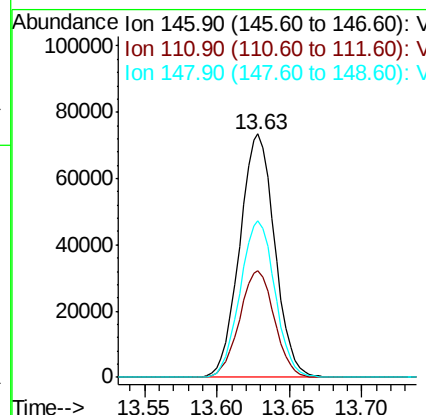
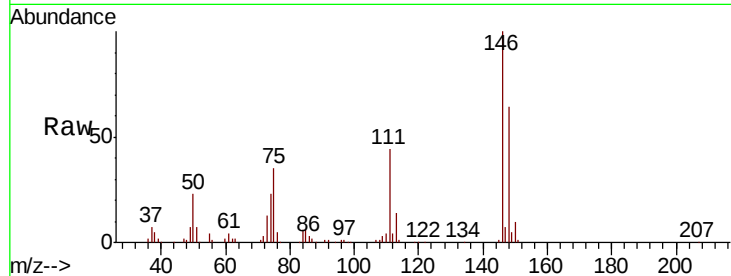




#91
 1,2-Dichlorobenzene
 Concen: 50.482 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

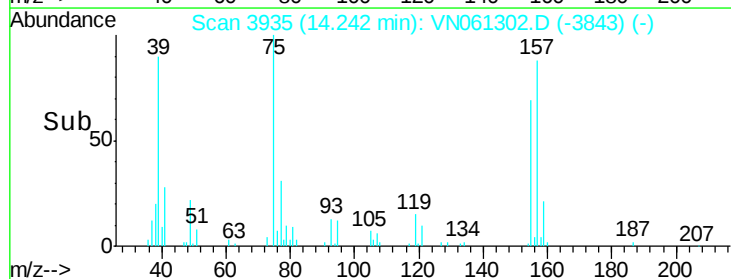
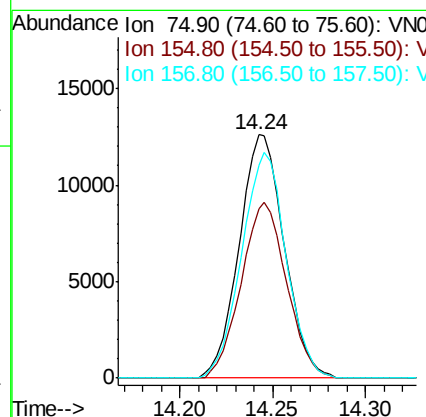
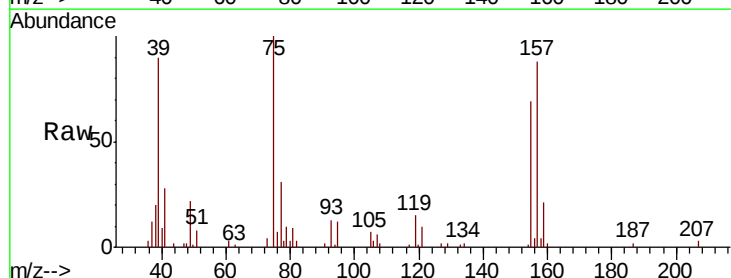
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.3
148	63.9	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.830 ug/l
 RT: 14.24 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	36.5	109.7
157	91.6	46.6	139.7

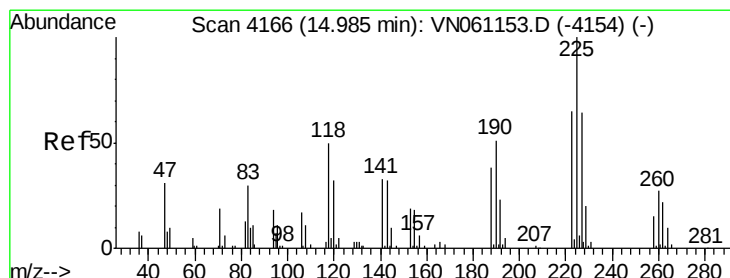
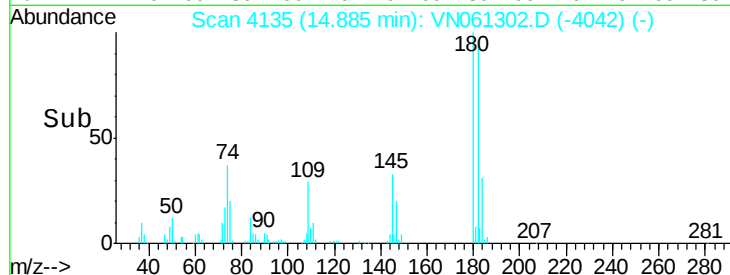
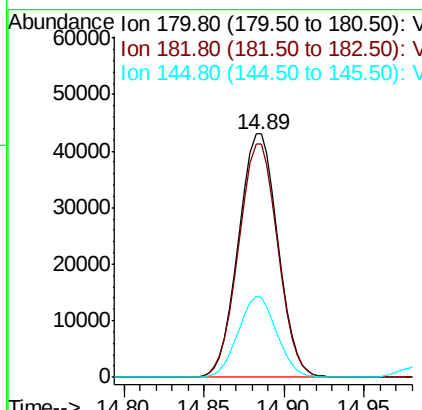
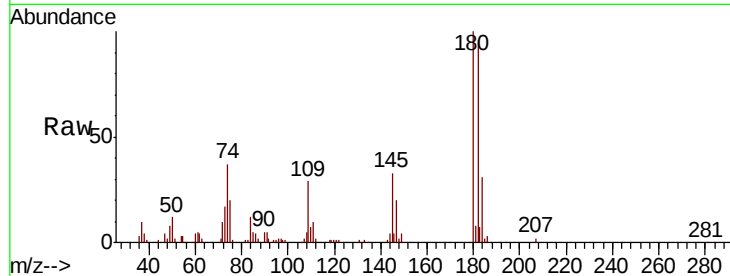




#93
 1,2,4-Trichlorobenzene
 Concen: 48.511 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

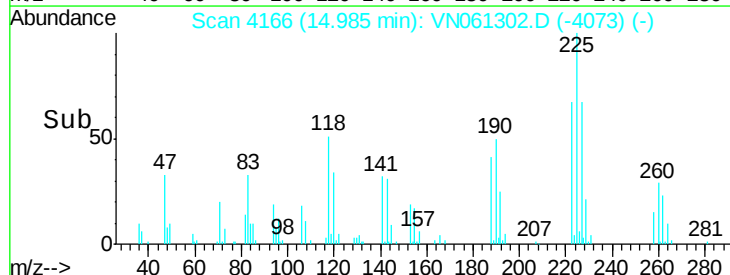
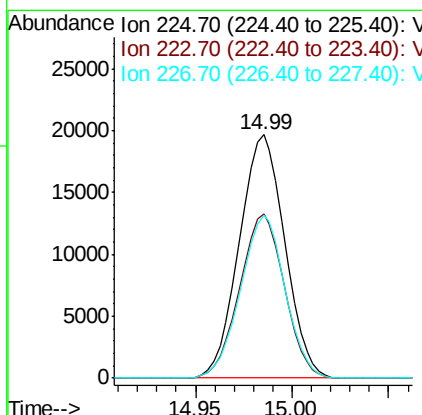
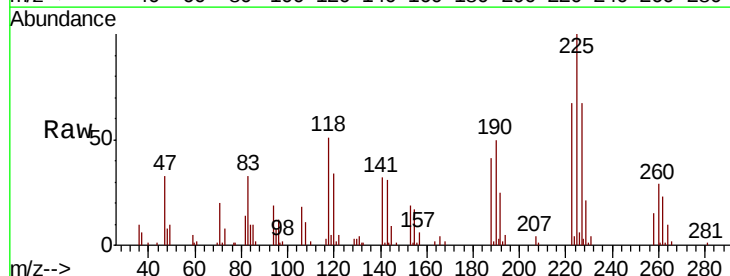
Instrument :
 MSVOA_N
 ClientSampled :

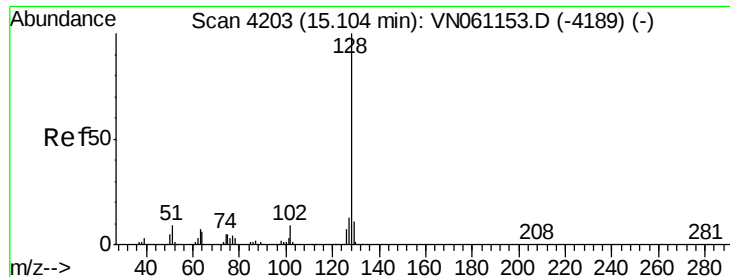
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.9
145	32.4	16.0	47.9



#94
 Hexachlorobutadiene
 Concen: 51.734 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.3	32.4	97.0
227	65.6	32.4	97.0

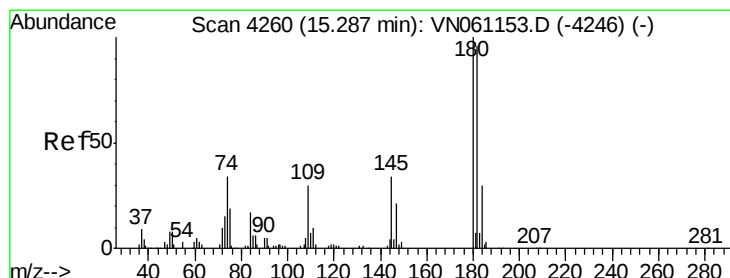
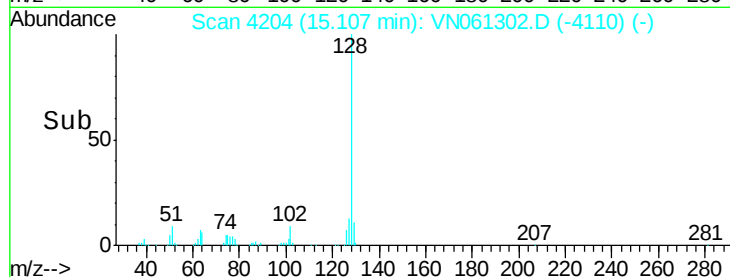
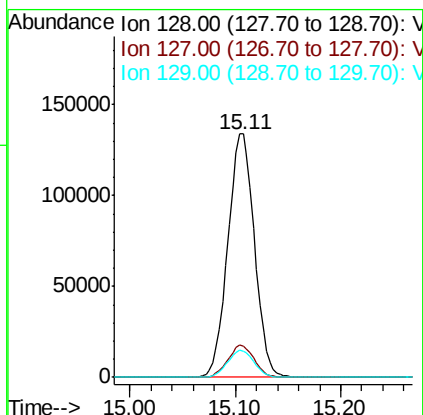
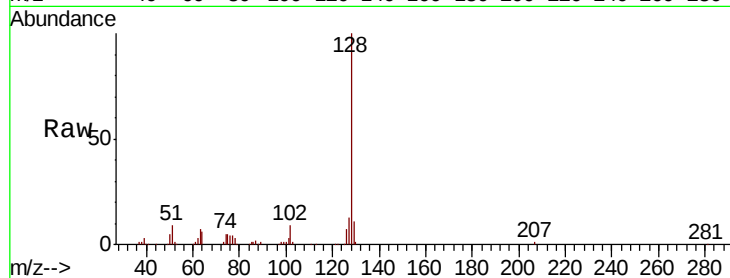




#95
Naphthalene
Concen: 48.134 ug/l
RT: 15.11 min Scan# 4204
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 233325
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.614 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion:180 Resp: 71440
Ion Ratio Lower Upper
180 100
182 94.3 47.5 142.5
145 33.3 16.9 50.7

