

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060978.D
 Acq On : 15 Apr 2020 21:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:39:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	131268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	223536	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	204742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	99662	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	94466	52.42	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.56	113	70482	52.15	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.08	98	278223	50.39	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.39	95	105321	52.05	ug/l	0.00
Spiked Amount						

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	52894	41.644	ug/l	99
3) Chloromethane	2.04	50	101178	42.652	ug/l	99
4) Vinyl Chloride	2.17	62	81101	43.710	ug/l	100
5) Bromomethane	2.54	94	41059	51.262	ug/l	97
6) Chloroethane	2.68	64	51702	48.373	ug/l	98
7) Trichlorofluoromethane	3.00	101	110192	48.211	ug/l	97
8) Diethyl Ether	3.38	74	48047	52.329	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	65843	49.716	ug/l	99
10) Methyl Iodide	3.92	142	48124	40.836	ug/l	99
11) Tert butyl alcohol	4.72	59	79814	301.164	ug/l	99
12) 1,1-Dichloroethene	3.72	96	66252	46.616	ug/l	95
13) Acrolein	3.57	56	86171	293.379	ug/l	100
14) Allyl chloride	4.29	41	127413	50.973	ug/l	95
15) Acrylonitrile	4.94	53	224047	287.493	ug/l	99
16) Acetone	3.78	43	179602	281.371	ug/l	99
17) Carbon Disulfide	4.03	76	174651	40.406	ug/l	100
18) Methyl Acetate	4.28	43	109154	60.753	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	252646	51.705	ug/l	97
20) Methylene Chloride	4.52	84	79012	50.319	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	71749	47.368	ug/l	94
22) Diisopropyl ether	5.91	45	296306	56.109	ug/l	98
23) Vinyl Acetate	5.86	43	1209519	280.709	ug/l	99
24) 1,1-Dichloroethane	5.82	63	152159	52.853	ug/l	100
25) 2-Butanone	6.80	43	301876	292.262	ug/l	98
26) 2,2-Dichloropropane	6.79	77	113438	50.081	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	87341	50.742	ug/l	97
28) Bromochloromethane	7.17	49	75744	54.991	ug/l	96
29) Tetrahydrofuran	7.18	42	204935	280.420	ug/l	97
30) Chloroform	7.35	83	143910	52.144	ug/l	99
31) Cyclohexane	7.63	56	134113	46.208	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	121633	51.123	ug/l	99
36) 1,1-Dichloropropene	7.77	75	107771	49.790	ug/l	99
37) Ethyl Acetate	6.89	43	127521	54.524	ug/l	99
38) Carbon Tetrachloride	7.75	117	96463	49.724	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	122570	47.651	ug/l	96
40) Benzene	8.02	78	329792	50.472	ug/l	99
41) Methacrylonitrile	7.18	41	182213	182.553	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	116157	52.017	ug/l	99
43) Isopropyl Acetate	8.14	43	212417	55.071	ug/l	99
44) Trichloroethene	8.81	130	79884	48.497	ug/l	100
45) 1,2-Dichloropropane	9.10	63	93523	54.243	ug/l	98
46) Dibromomethane	9.19	93	53875	51.686	ug/l	99
47) Bromodichloromethane	9.38	83	115157	53.165	ug/l	99
48) Methyl methacrylate	9.18	41	94658	55.120	ug/l	98
49) 1,4-Dioxane	9.18	88	25889	1268.304	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	638560	290.930	ug/l	99
52) Toluene	10.14	92	198292	50.249	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	131241	52.748	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	141855	51.970	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	80383	52.948	ug/l	100
56) Ethyl methacrylate	10.42	69	131359	55.492	ug/l	99
57) 1,3-Dichloropropane	10.70	76	139786	53.060	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	300168	255.136	ug/l	98
59) 2-Hexanone	10.74	43	463551	293.184	ug/l	99
60) Dibromochloromethane	10.89	129	84190	53.687	ug/l	100
61) 1,2-Dibromoethane	10.99	107	80446	52.697	ug/l	100
64) Tetrachloroethene	10.62	164	72785	45.176	ug/l	99
65) Chlorobenzene	11.42	112	204971	50.500	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	77057	52.436	ug/l	97
67) Ethyl Benzene	11.50	91	386503	51.206	ug/l	100
68) m/p-Xylenes	11.61	106	278957	99.455	ug/l	97
69) o-Xylene	11.94	106	136007	50.795	ug/l	99
70) Styrene	11.96	104	227942	52.051	ug/l	99
71) Bromoform	12.12	173	60677	49.689	ug/l #	100
73) Isopropylbenzene	12.24	105	368653	49.290	ug/l	99
74) N-amyl acetate	12.06	43	183627	53.132	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	119993	53.052	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	160824	74.784	ug/l #	100
77) Bromobenzene	12.52	156	86879	48.206	ug/l	97
78) n-propylbenzene	12.58	91	439538	49.743	ug/l	98
79) 2-Chlorotoluene	12.67	91	257714	48.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	311338	49.052	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	41233	49.244	ug/l	99
82) 4-Chlorotoluene	12.77	91	267165	49.684	ug/l	99
83) tert-Butylbenzene	12.99	119	262939	49.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	311382	49.589	ug/l	99
85) sec-Butylbenzene	13.17	105	358107	50.614	ug/l	99
86) p-Isopropyltoluene	13.28	119	316703	49.779	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	156939	49.373	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	157793	49.410	ug/l	99
89) n-Butylbenzene	13.61	91	296751	51.661	ug/l	100
90) Hexachloroethane	13.87	117	50573	54.685	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	153634	50.548	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	24415	51.545	ug/l	96

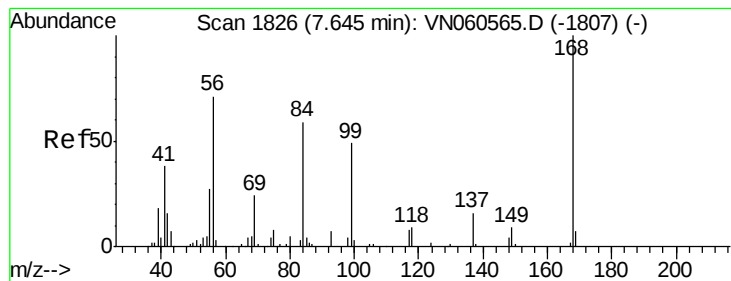
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	95928	51.396	ug/l	99
94) Hexachlorobutadiene	15.01	225	45699	49.945	ug/l	99
95) Naphthalene	15.13	128	285636	50.880	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	92743	50.447	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

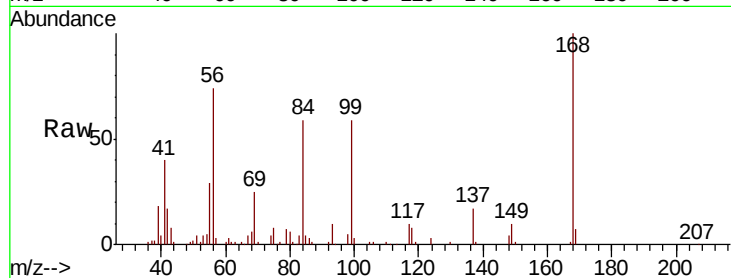
ClientSampled :

Tot Ion:168 Resp: 131268

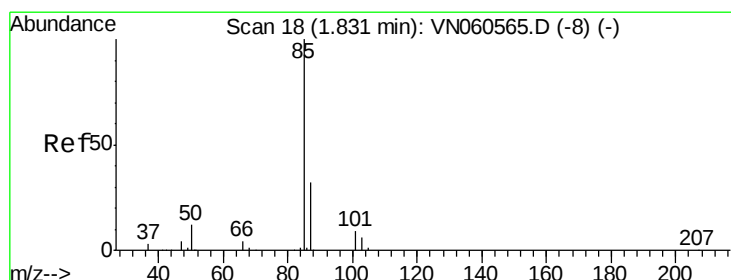
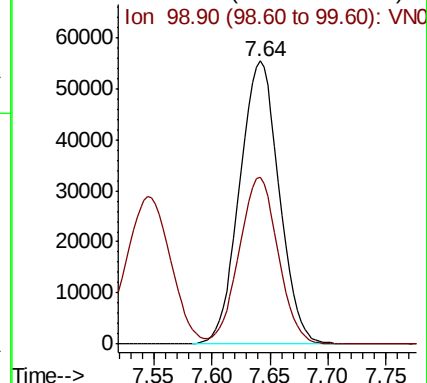
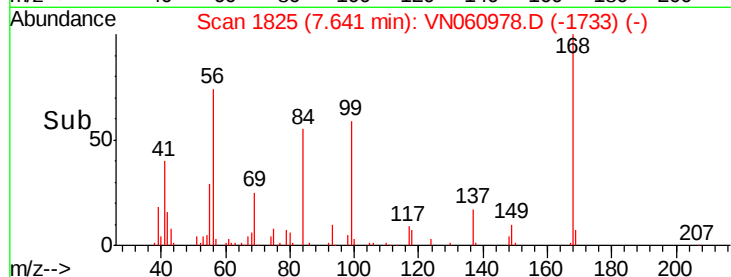
Ion Ratio Lower Upper

168 100

99 59.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060978.D (-1733) (-)



#2

Dichlorodifluoromethane

Concen: 41.644 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060978.D

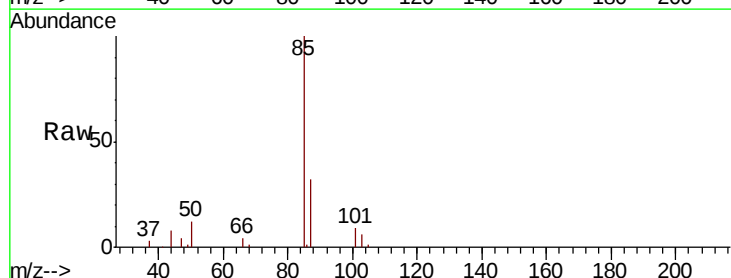
Acq: 15 Apr 2020 21:31

Tgt Ion: 85 Resp: 52894

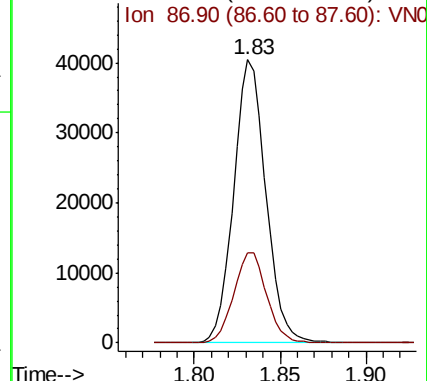
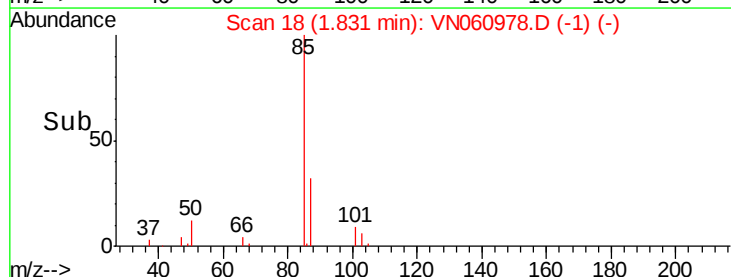
Ion Ratio Lower Upper

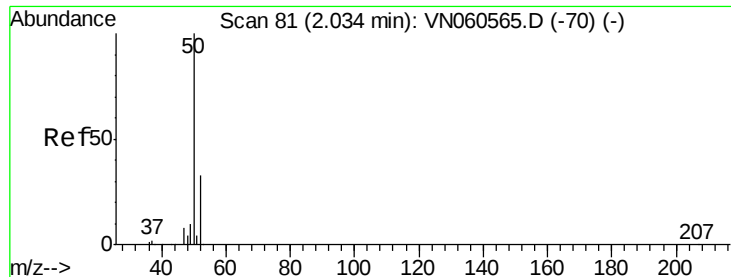
85 100

87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN060978.D (-1) (-)





#3

Chloromethane

Concen: 42.652 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

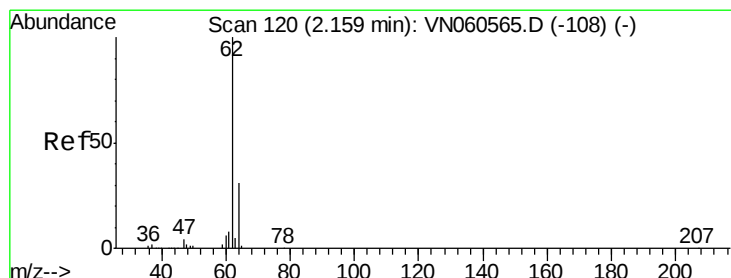
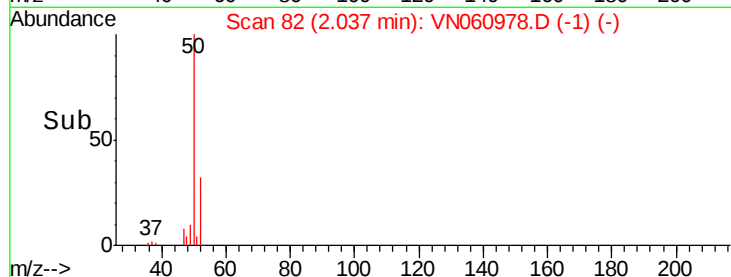
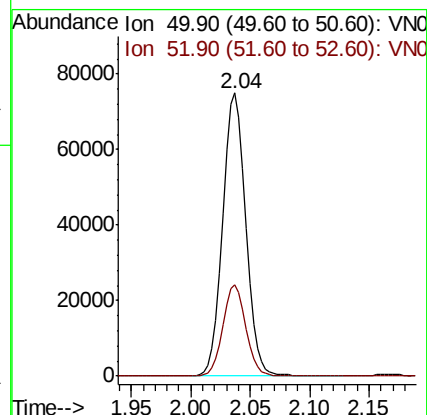
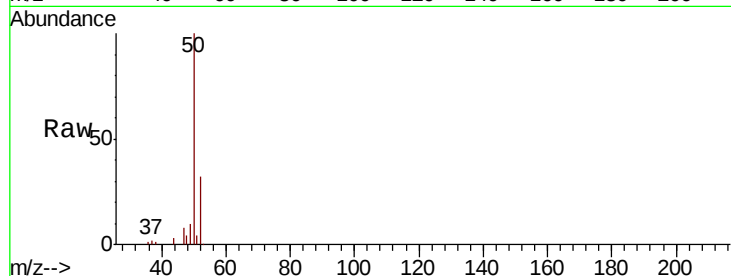
ClientSampleId :

Tot Ion: 50 Resp: 101178

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.2



#4

Vinyl Chloride

Concen: 43.710 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060978.D

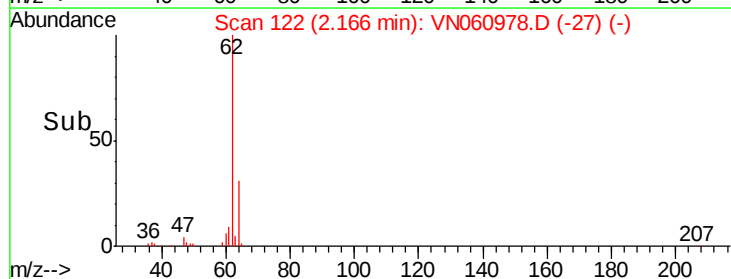
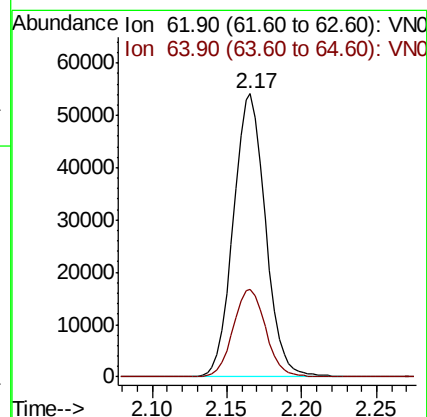
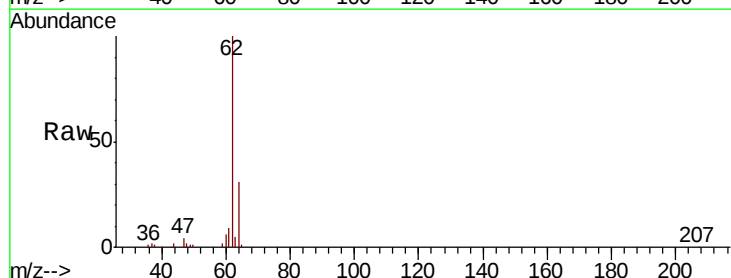
Acq: 15 Apr 2020 21:31

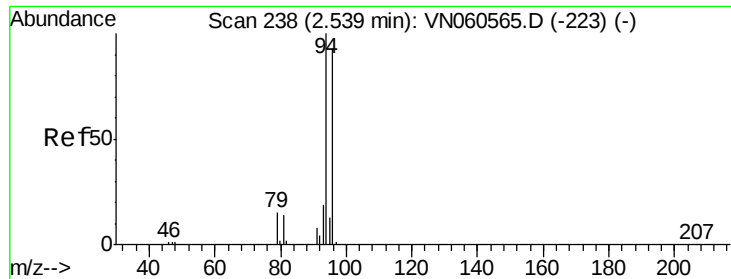
Tgt Ion: 62 Resp: 81101

Ion Ratio Lower Upper

62 100

64 31.1 24.7 37.1





#5

Bromomethane

Concen: 51.262 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

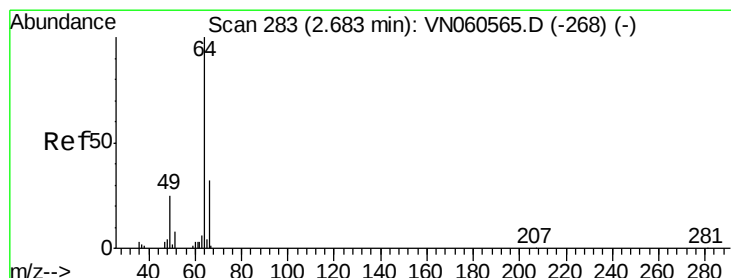
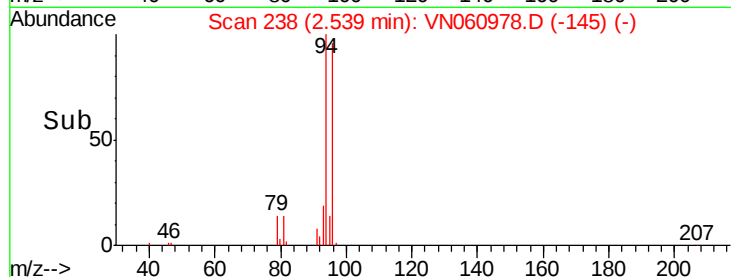
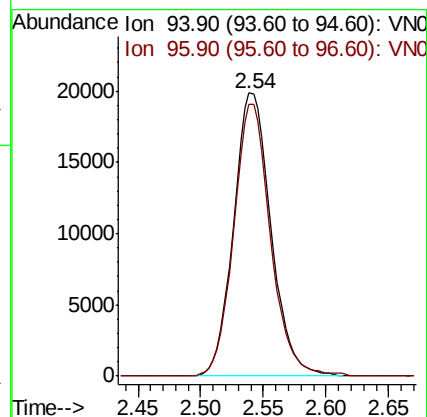
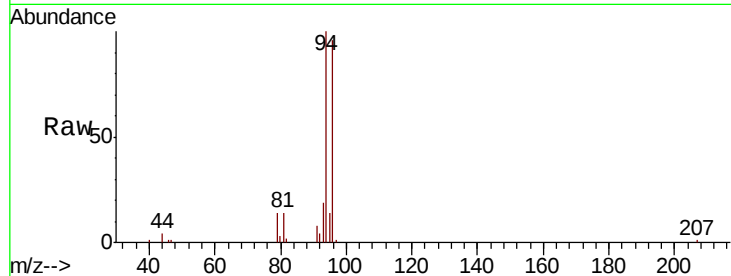
ClientSampleId :

Tot Ion: 94 Resp: 41059

Ion Ratio Lower Upper

94 100

96 96.1 74.6 112.0



#6

Chloroethane

Concen: 48.373 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060978.D

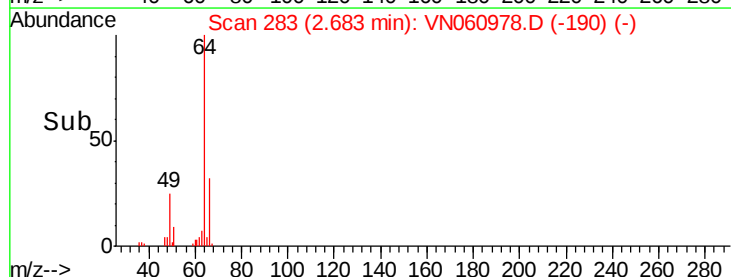
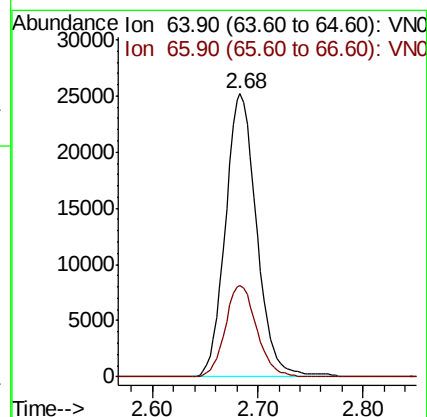
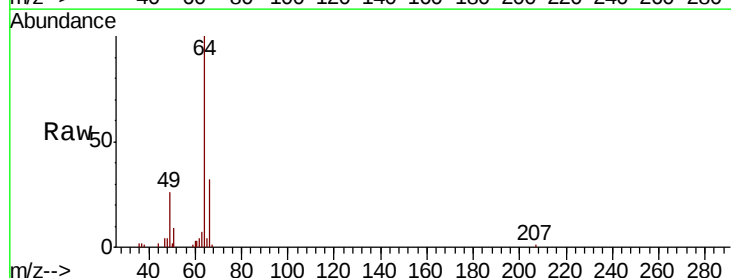
Acq: 15 Apr 2020 21:31

Tgt Ion: 64 Resp: 51702

Ion Ratio Lower Upper

64 100

66 32.5 25.3 37.9



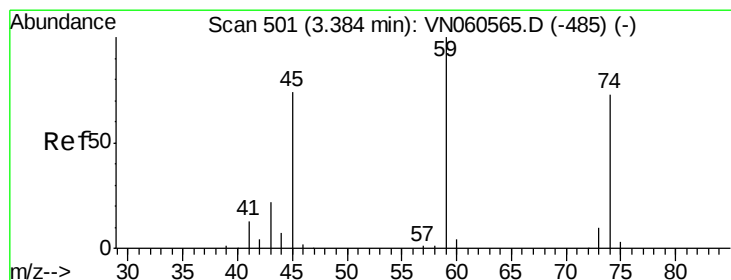
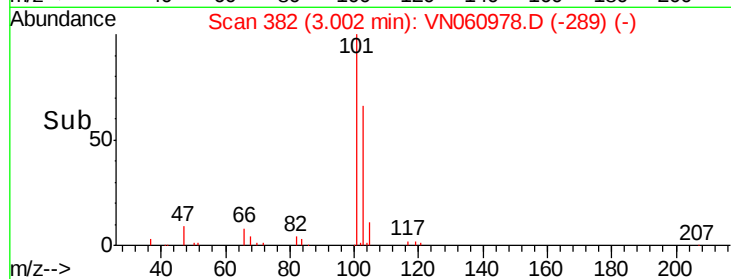
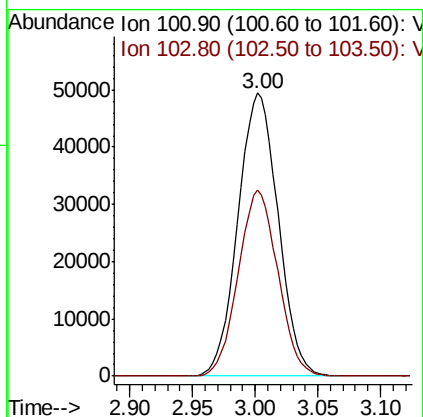
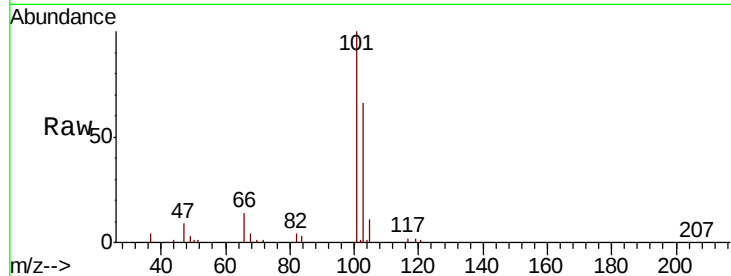


#7

Trichlorofluoromethane
 Concen: 48.211 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Instrument :
 MSVOA_N
 ClientSampled :

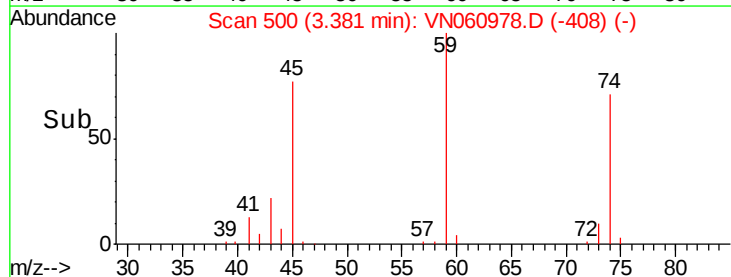
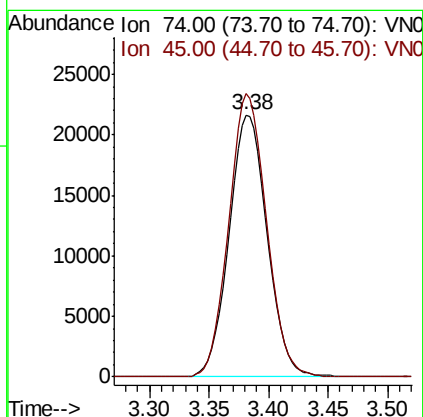
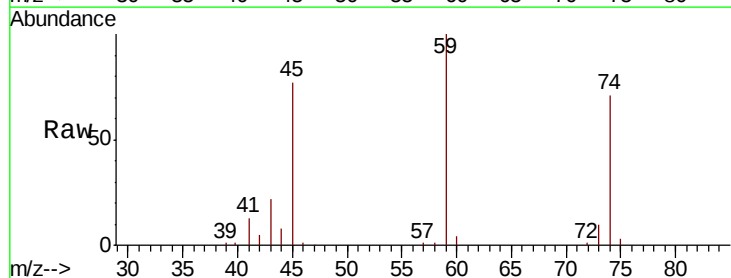
Tot Ion:101 Resp: 110192
 Ion Ratio Lower Upper
 101 100
 103 65.8 50.6 76.0

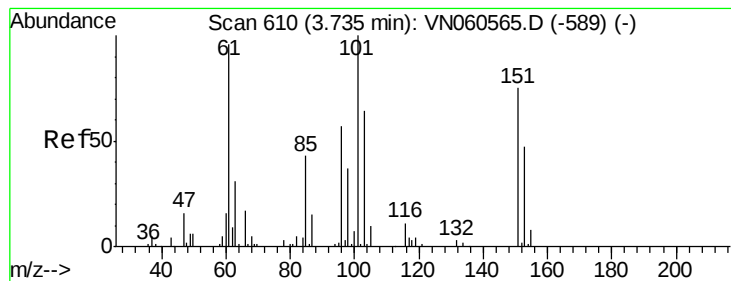


#8

Diethyl Ether
 Concen: 52.329 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Tgt Ion: 74 Resp: 48047
 Ion Ratio Lower Upper
 74 100
 45 106.8 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.716 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampled :

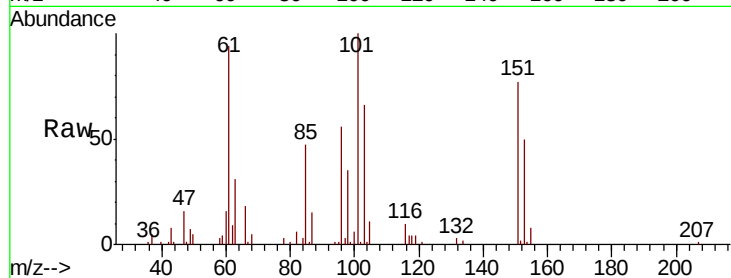
Tot Ion:101 Resp: 65843

Ion Ratio Lower Upper

101 100

85 46.3 35.6 53.4

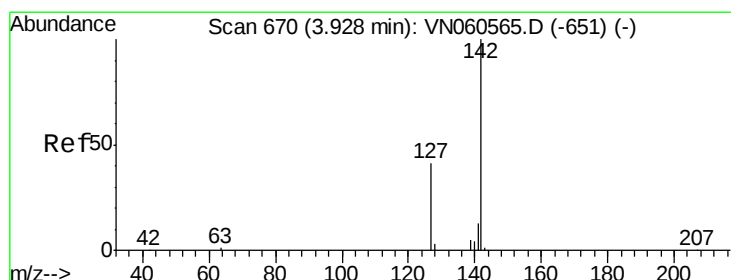
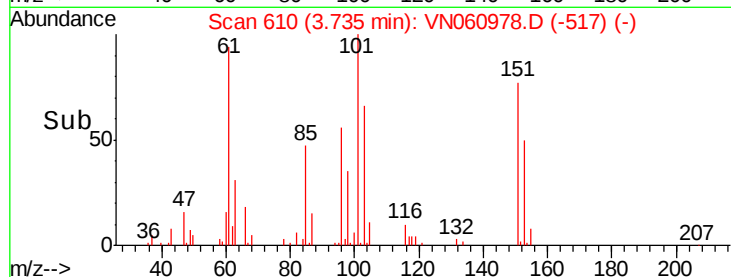
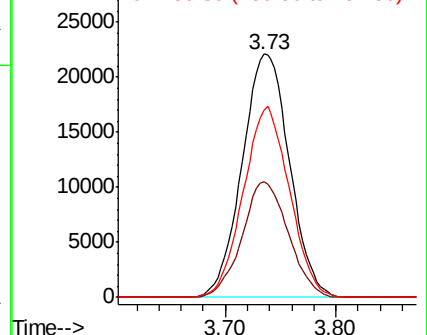
151 76.2 61.4 92.2



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: 40.836 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

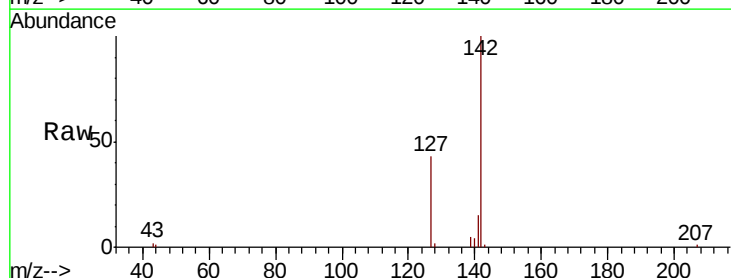
Tgt Ion:142 Resp: 48124

Ion Ratio Lower Upper

142 100

127 42.2 33.5 50.3

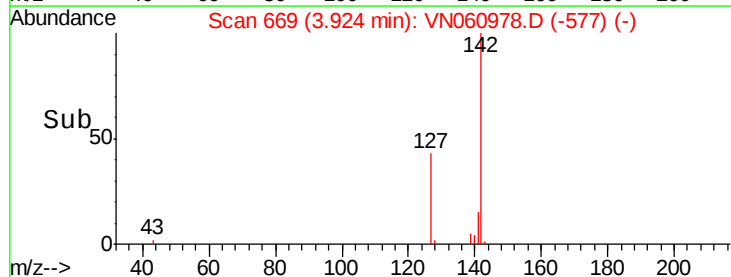
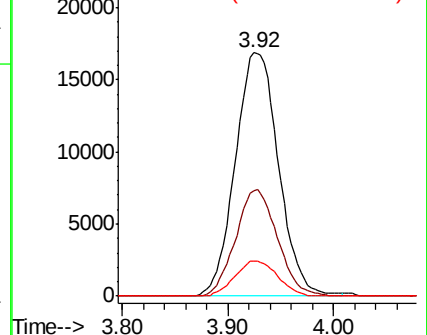
141 14.2 11.0 16.6

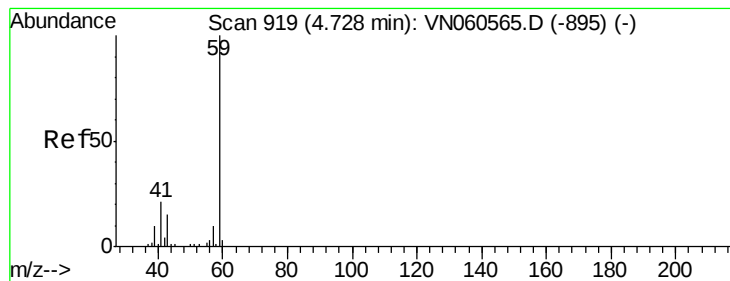


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



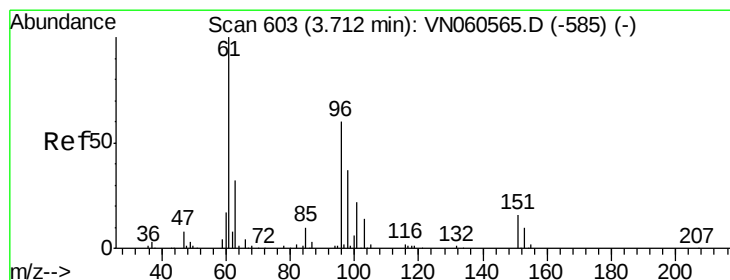
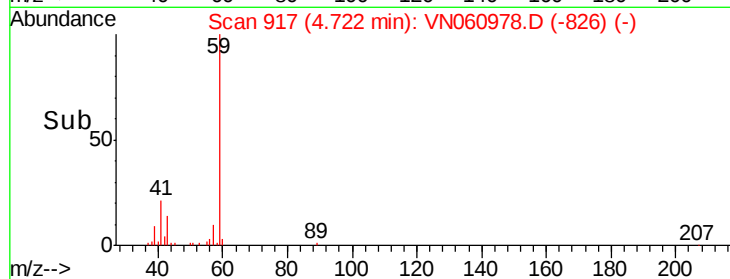
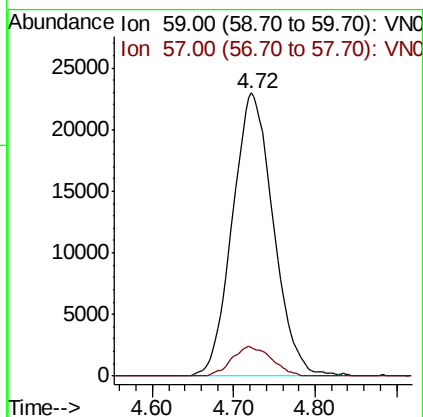
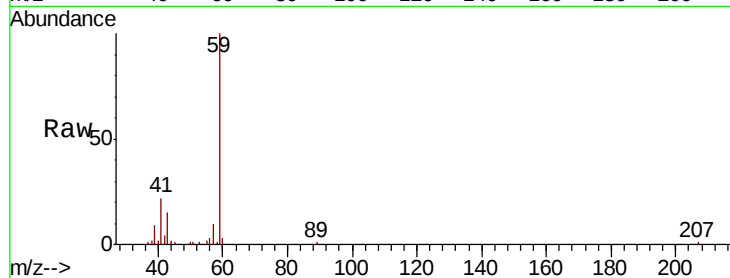


#11

Tert butyl alcohol
 Concen: 301.164 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Instrument :
 MSVOA_N
 ClientSampled :

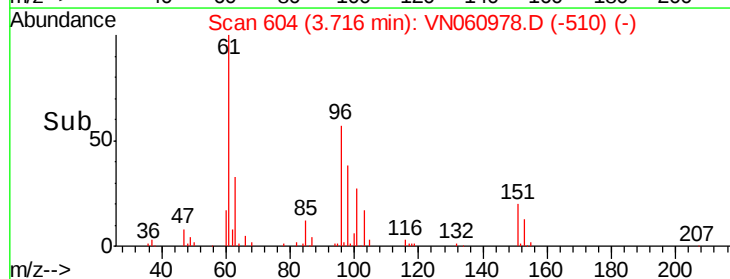
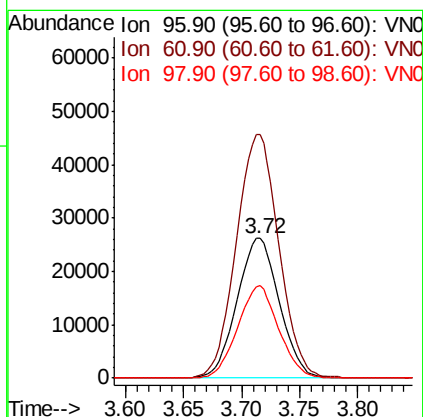
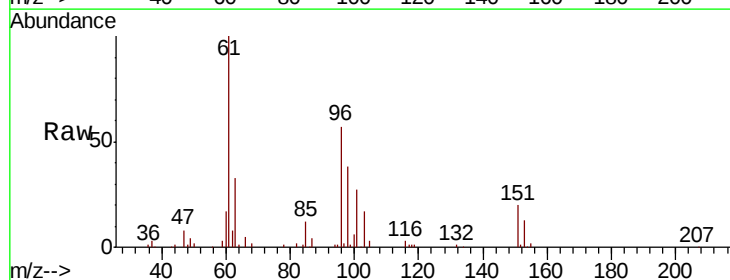
Tot Ion: 59 Resp: 79814
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4



#12

1,1-Dichloroethene
 Concen: 46.616 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Tgt Ion: 96 Resp: 66252
 Ion Ratio Lower Upper
 96 100
 61 174.1 134.1 201.1
 98 66.2 49.9 74.9





#13

Acrolein

Concen: 293.379 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

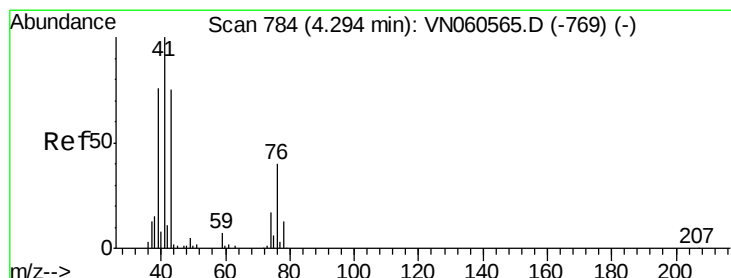
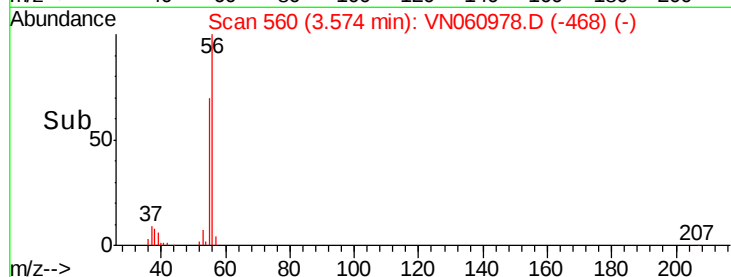
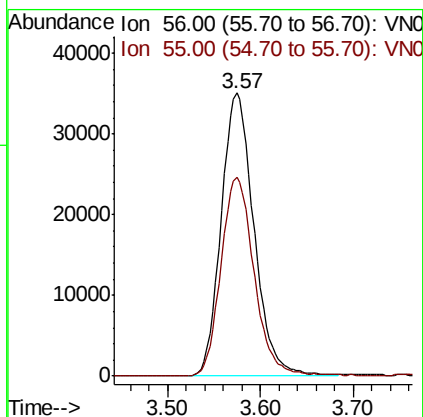
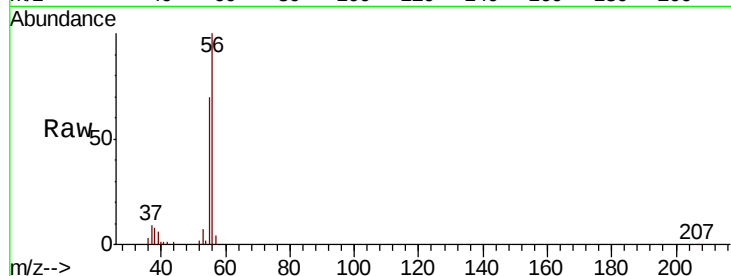
ClientSampleId :

Tot Ion: 56 Resp: 86171

Ion Ratio Lower Upper

56 100

55 70.6 56.7 85.1



#14

Allyl chloride

Concen: 50.973 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

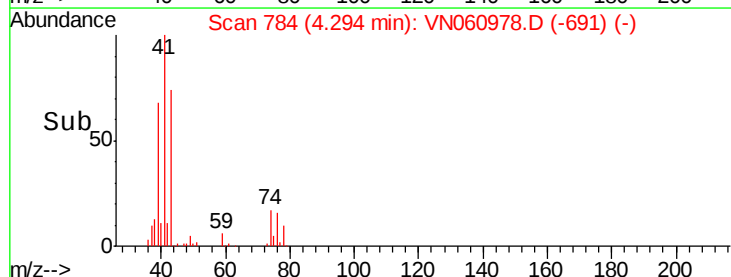
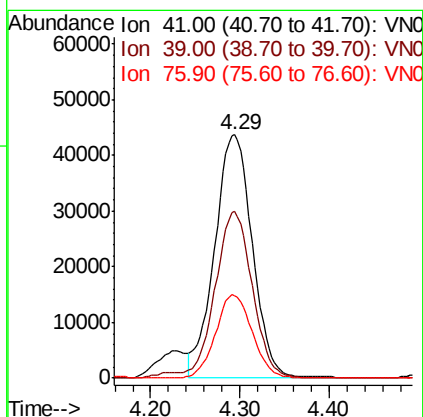
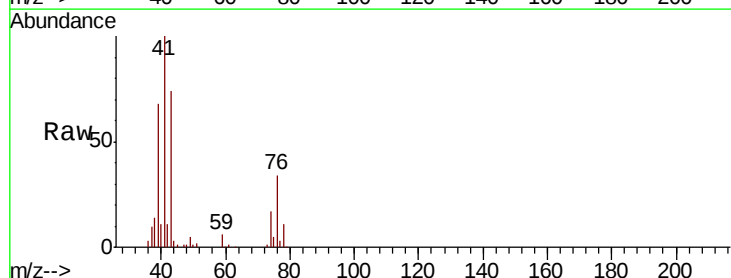
Tgt Ion: 41 Resp: 127413

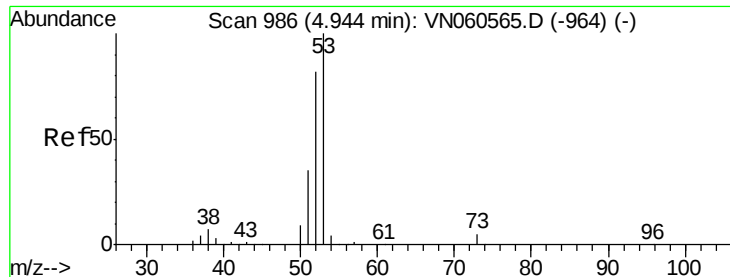
Ion Ratio Lower Upper

41 100

39 67.7 57.8 86.8

76 33.4 28.6 43.0





#15

Acrylonitrile

Concen: 287.493 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

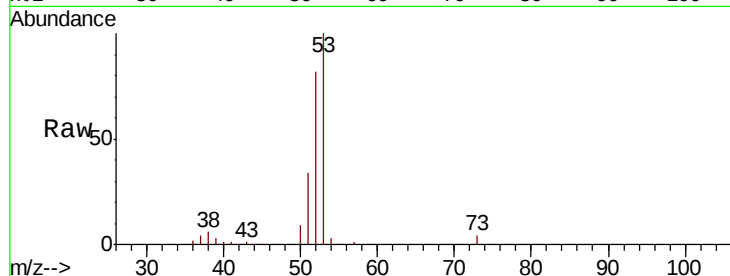
Tot Ion: 53 Resp: 224047

Ion Ratio Lower Upper

53 100

52 81.6 66.2 99.4

51 35.4 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN060978.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN060978.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN060978.D (-893) (-)

4.94

80000

60000

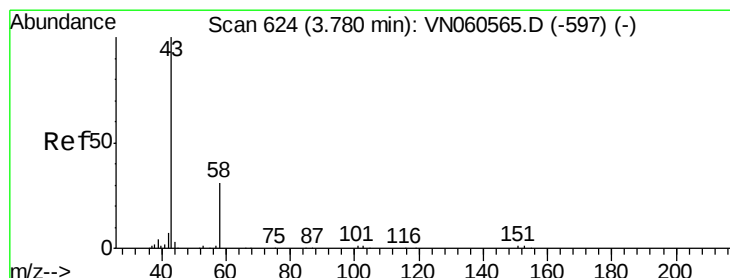
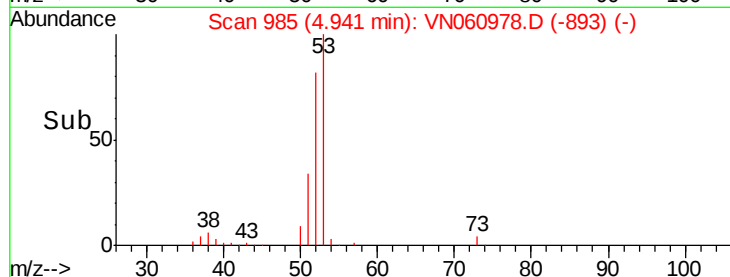
40000

20000

0

Time-->

4.80 4.90 5.00 5.10



#16

Acetone

Concen: 281.371 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060978.D

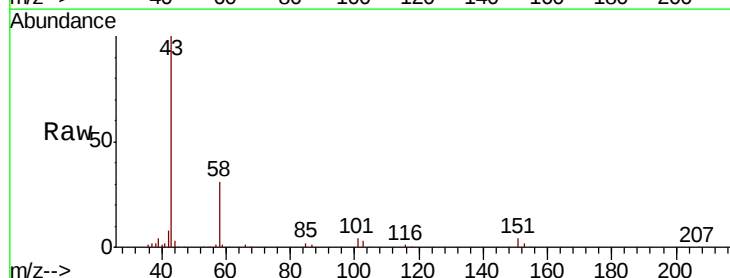
Acq: 15 Apr 2020 21:31

Tgt Ion: 43 Resp: 179602

Ion Ratio Lower Upper

43 100

58 30.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060978.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060978.D (-531) (-)

80000

60000

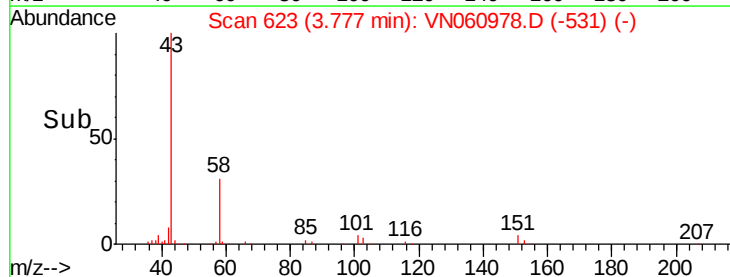
40000

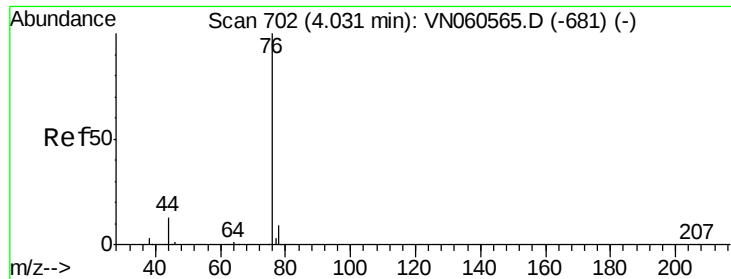
20000

0

Time-->

3.60 3.70 3.80 3.90 4.00

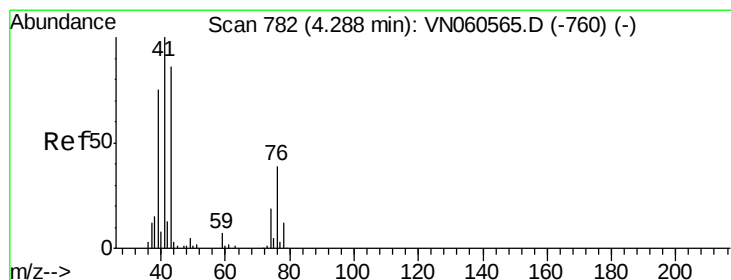
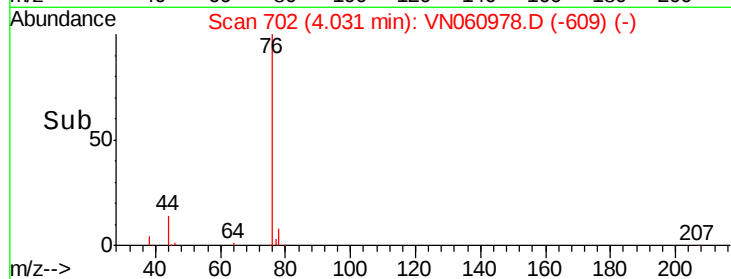
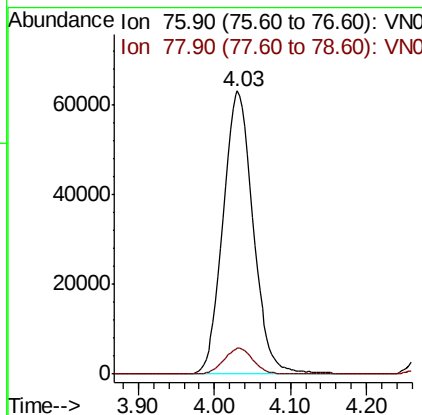
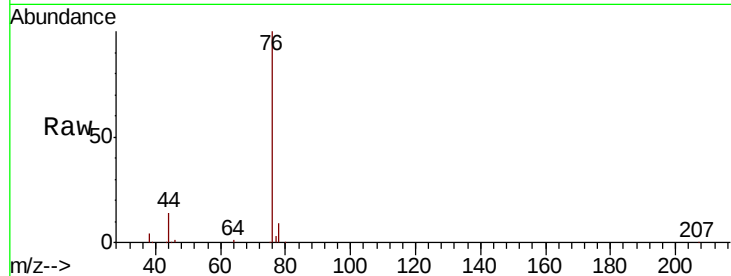




#17
Carbon Disulfide
Concen: 40.406 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

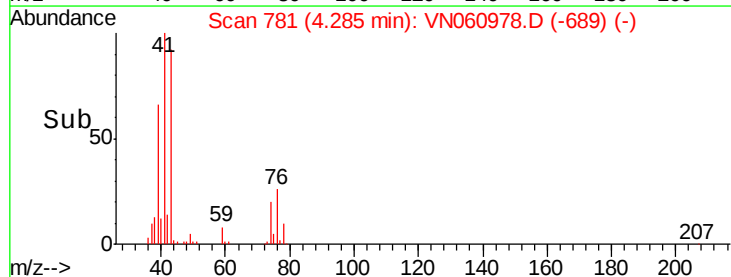
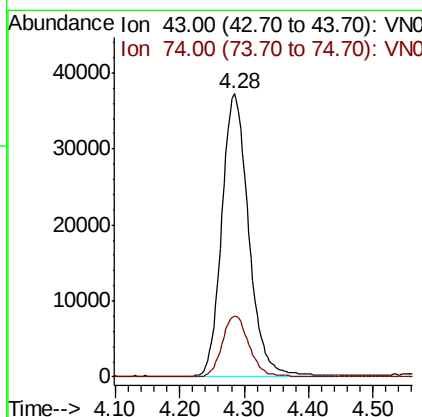
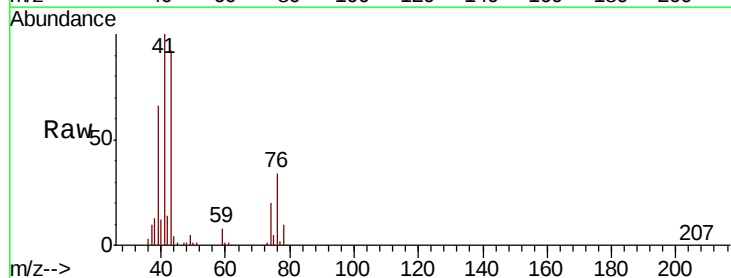
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 174651
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 60.753 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion: 43 Resp: 109154
Ion Ratio Lower Upper
43 100
74 21.2 17.5 26.3

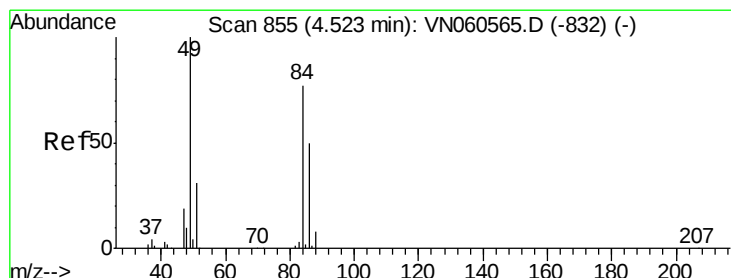
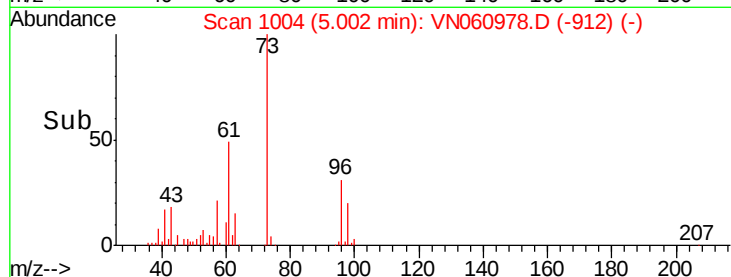
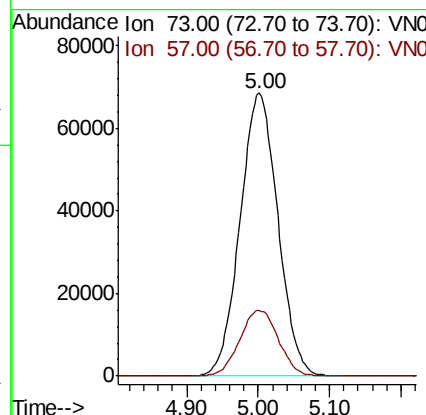
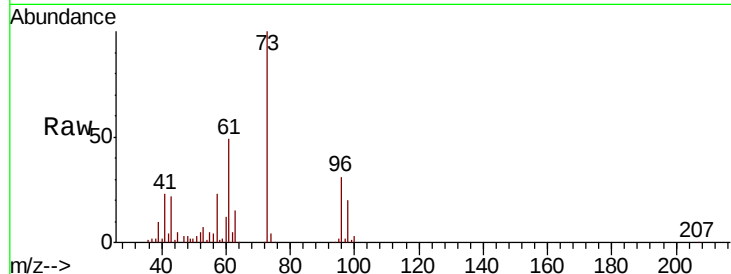




#19
Methyl tert-butyl Ether
Concen: 51.705 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

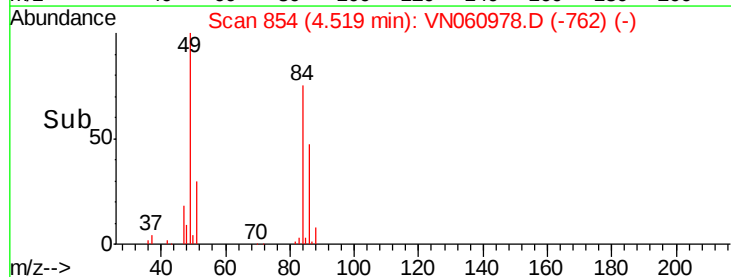
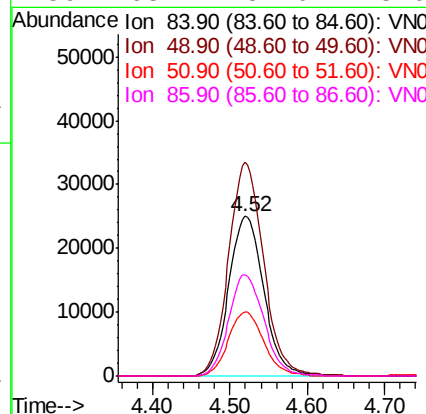
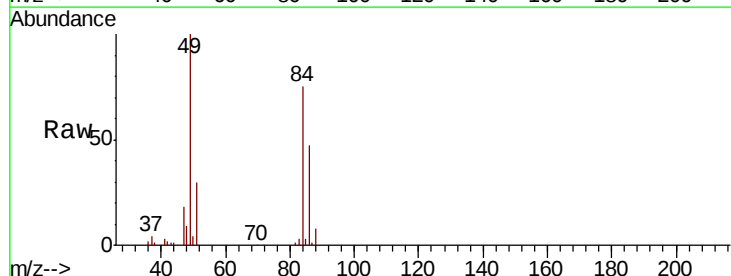
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 252646
Ion Ratio Lower Upper
73 100
57 23.2 17.5 26.3



#20
Methylene Chloride
Concen: 50.319 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion: 84 Resp: 79012
Ion Ratio Lower Upper
84 100
49 133.7 103.3 154.9
51 40.3 31.6 47.4
86 63.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 47.368 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampled :

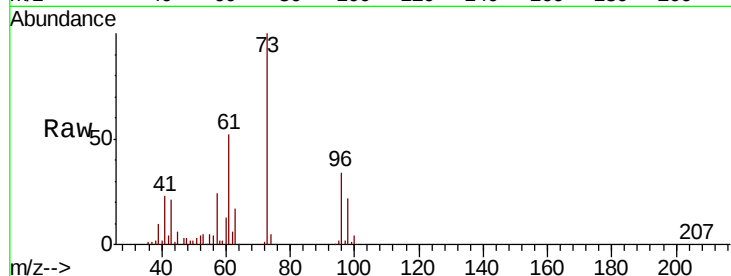
Tot Ion: 96 Resp: 71749

Ion Ratio Lower Upper

96 100

61 151.4 114.4 171.6

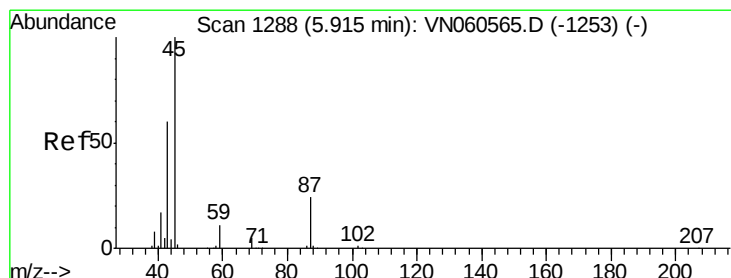
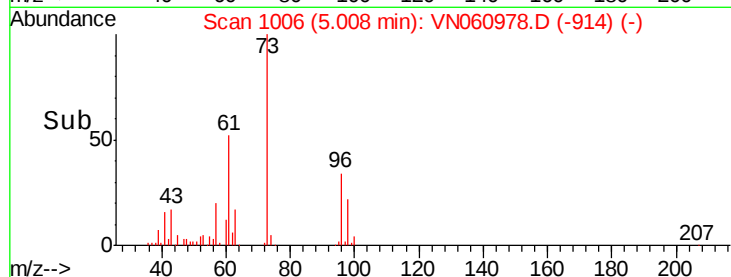
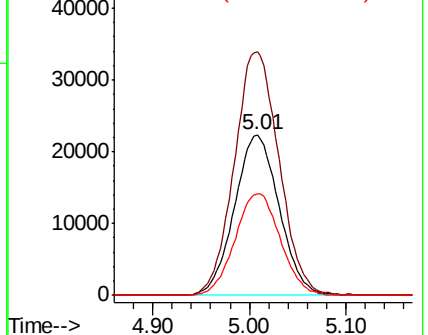
98 63.3 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN060978.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN060978.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN060978.D (-914) (-)



#22

Diisopropyl ether

Concen: 56.109 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Tgt Ion: 45 Resp: 296306

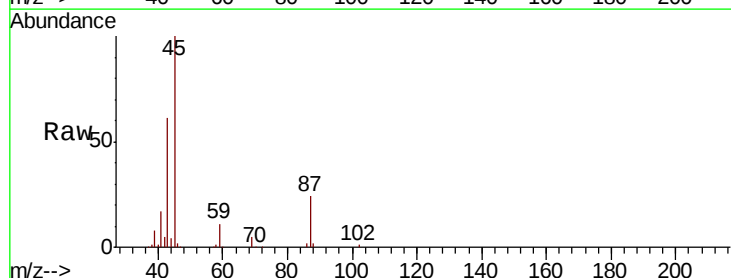
Ion Ratio Lower Upper

45 100

43 60.5 49.8 74.8

87 24.0 20.1 30.1

59 10.7 9.2 13.8

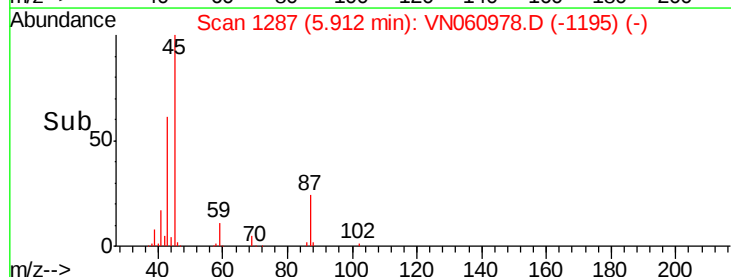
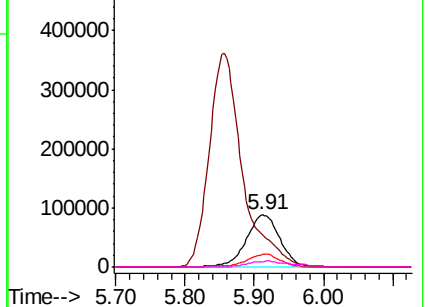


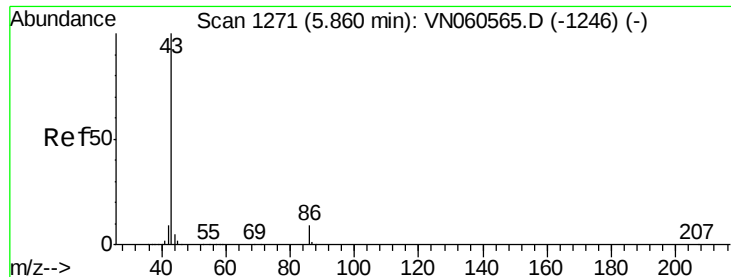
Abundance Ion 45.00 (44.70 to 45.70): VN060978.D (-1195) (-)

Ion 43.00 (42.70 to 43.70): VN060978.D (-1195) (-)

Ion 87.00 (86.70 to 87.70): VN060978.D (-1195) (-)

Ion 59.00 (58.70 to 59.70): VN060978.D (-1195) (-)





#23

Vinyl Acetate

Concen: 280.709 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

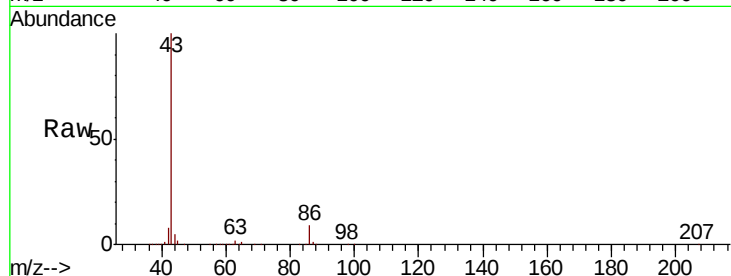
ClientSampled :

Tot Ion: 43 Resp: 1209519

Ion Ratio Lower Upper

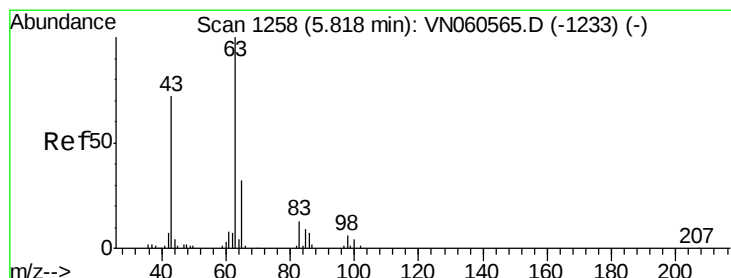
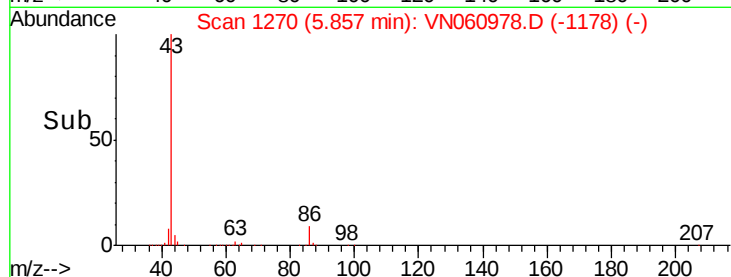
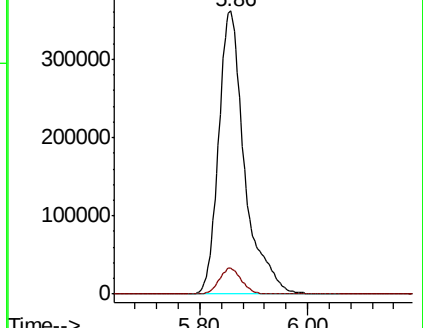
43 100

86 9.1 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060978.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060978.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 52.853 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

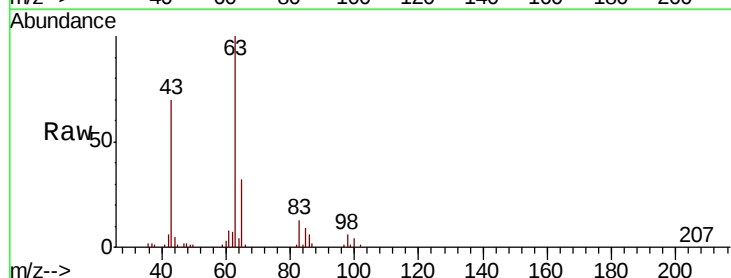
Tgt Ion: 63 Resp: 152159

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

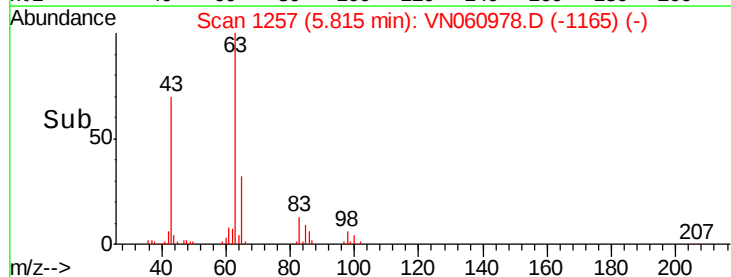
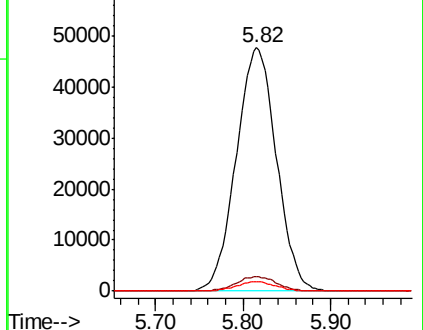
100 3.9 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060978.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060978.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060978.D (-1165) (-)

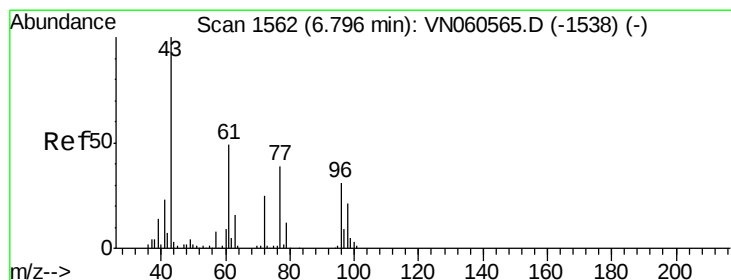
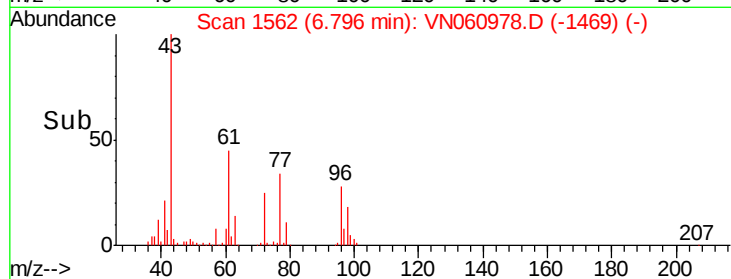
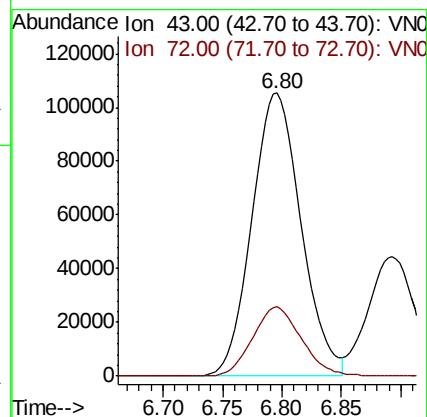
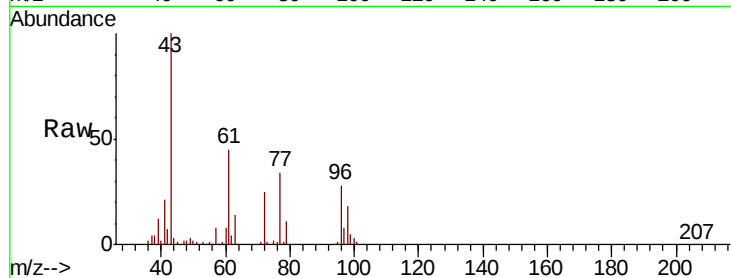




#25
 2-Butanone
 Concen: 292.262 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

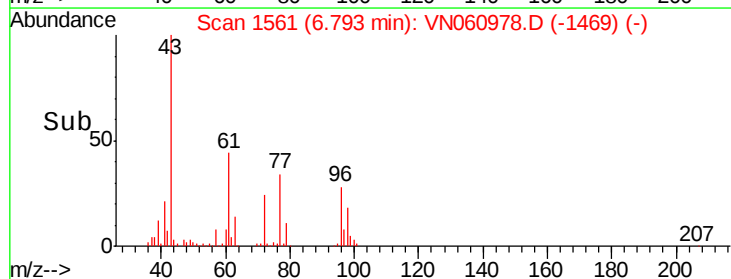
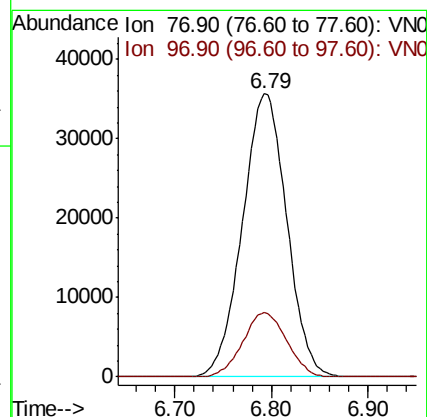
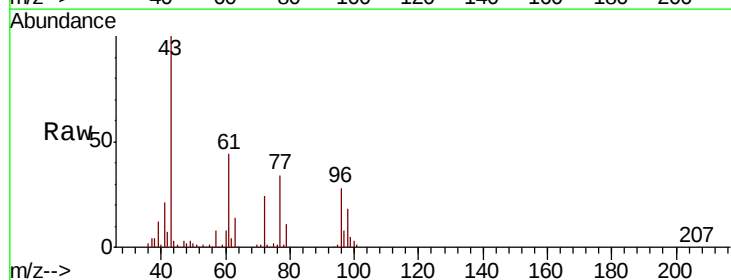
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 301876
 Ion Ratio Lower Upper
 43 100
 72 24.5 20.4 30.6



#26
 2,2-Dichloropropane
 Concen: 50.081 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Tgt Ion: 77 Resp: 113438
 Ion Ratio Lower Upper
 77 100
 97 22.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 50.742 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :

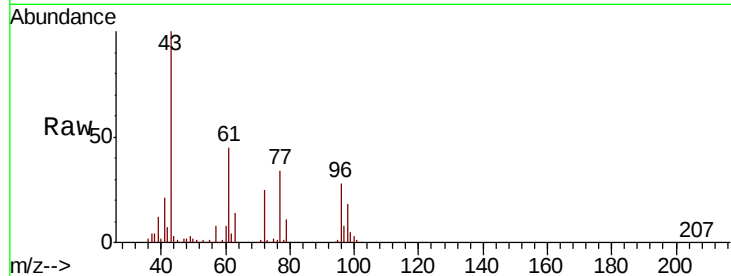
Tot Ion: 96 Resp: 87341

Ion Ratio Lower Upper

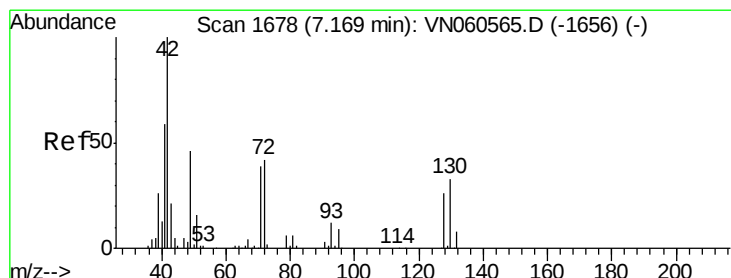
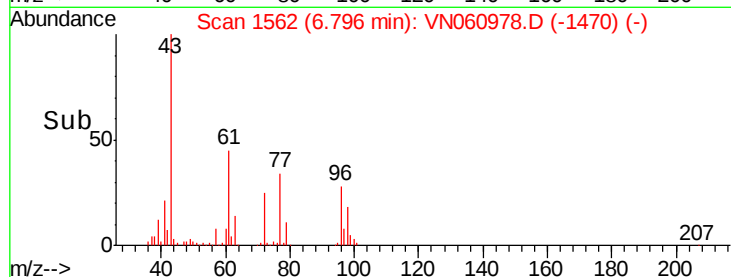
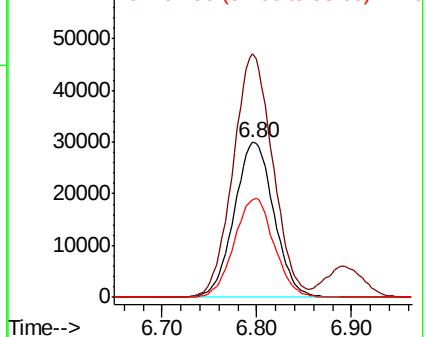
96 100

61 157.4 0.0 305.6

98 63.8 0.0 127.6



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: 54.991 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

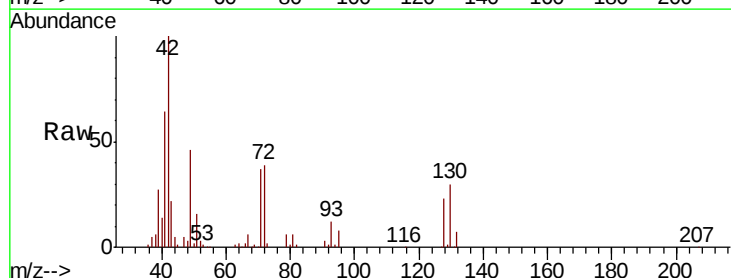
Tgt Ion: 49 Resp: 75744

Ion Ratio Lower Upper

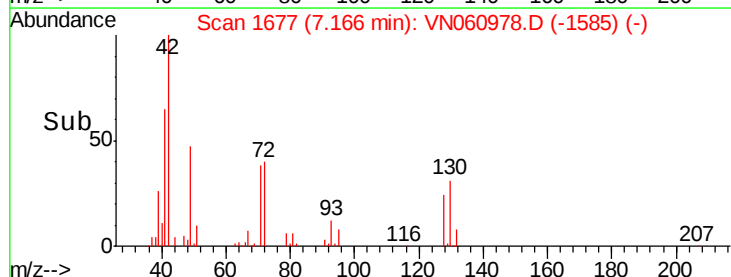
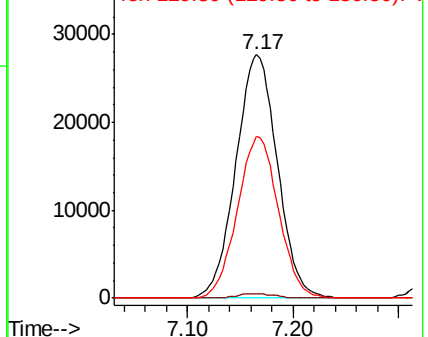
49 100

129 1.5 0.0 3.4

130 65.6 55.0 82.4



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

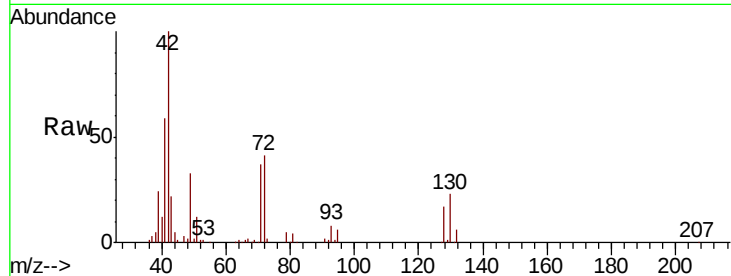




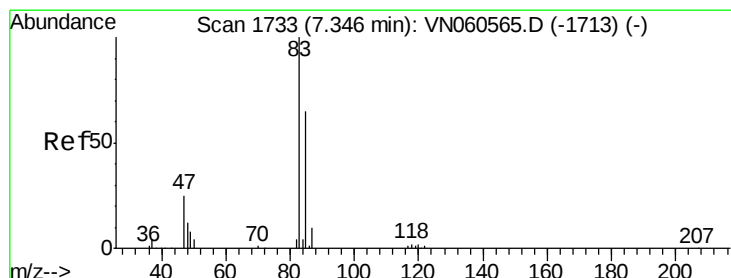
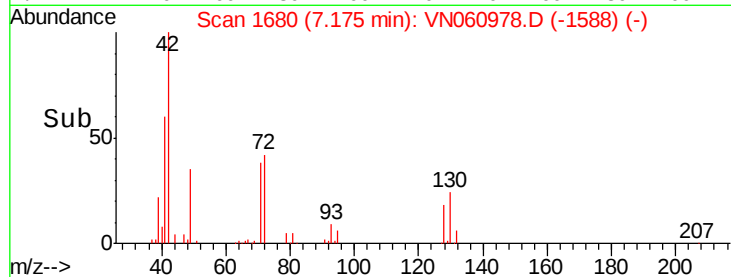
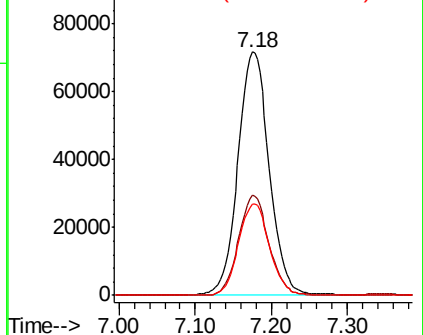
#29
Tetrahydrofuran
Concen: 280.420 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 204935
Ion Ratio Lower Upper
42 100
72 39.7 33.2 49.8
71 37.4 31.1 46.7

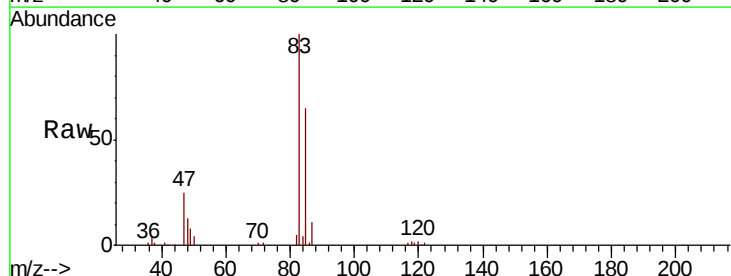


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

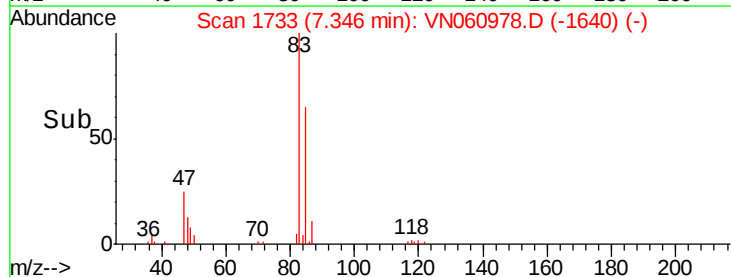
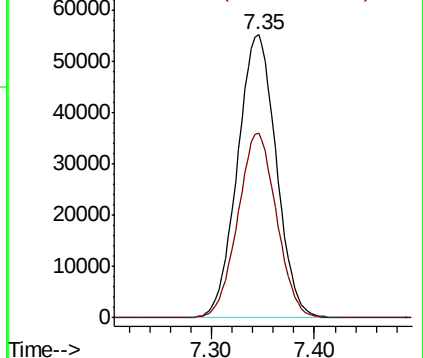


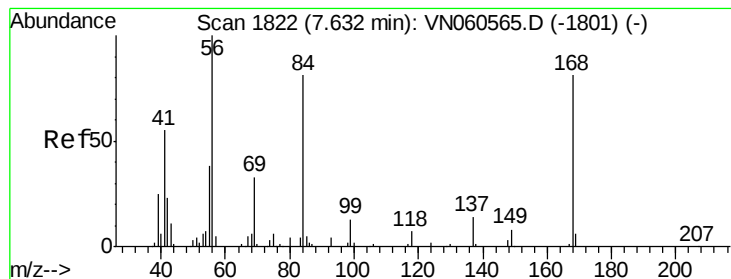
#30
Chloroform
Concen: 52.144 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion: 83 Resp: 143910
Ion Ratio Lower Upper
83 100
85 65.2 51.8 77.8



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





#31

Cyclohexane

Concen: 46.208 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

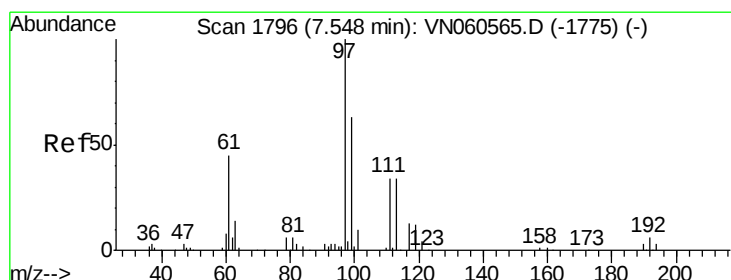
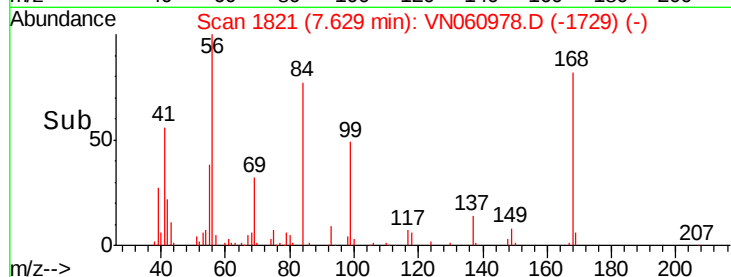
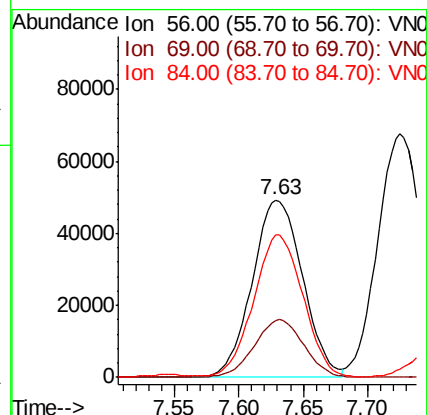
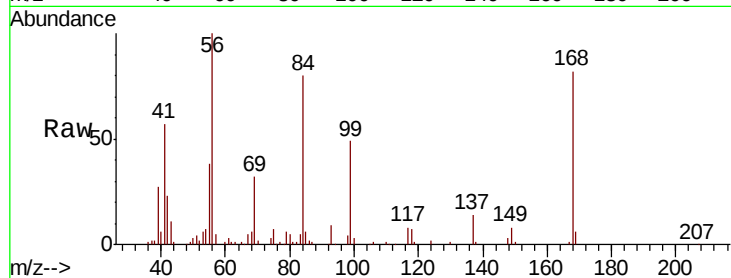
Tot Ion: 56 Resp: 134113

Ion Ratio Lower Upper

56 100

69 31.9 26.6 40.0

84 79.4 64.3 96.5



#32

1,1,1-Trichloroethane

Concen: 51.123 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

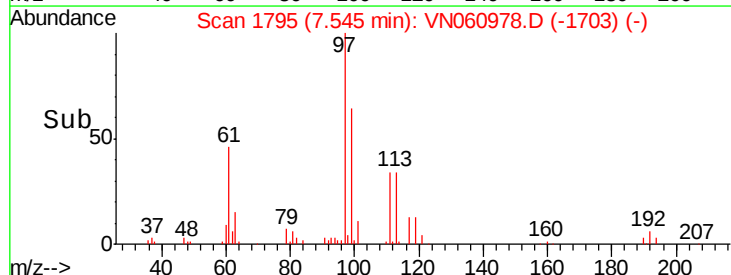
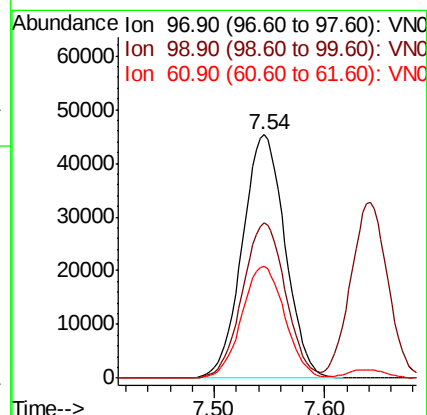
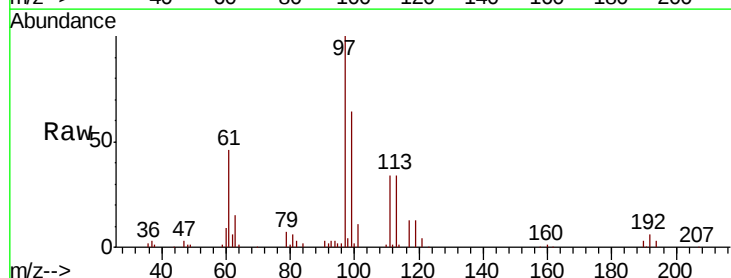
Tgt Ion: 97 Resp: 121633

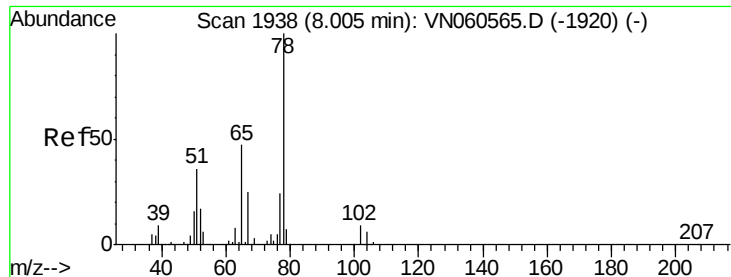
Ion Ratio Lower Upper

97 100

99 64.1 50.6 75.8

61 46.3 36.2 54.4

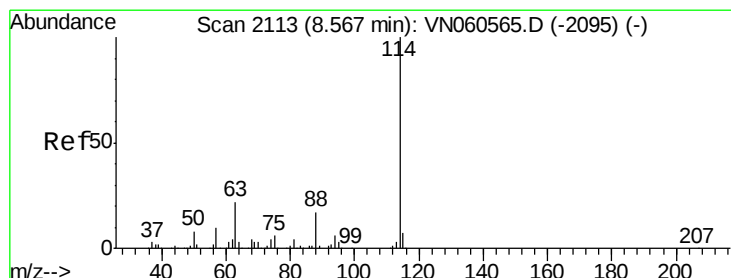
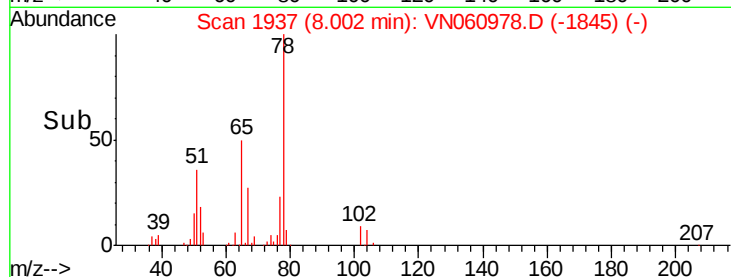
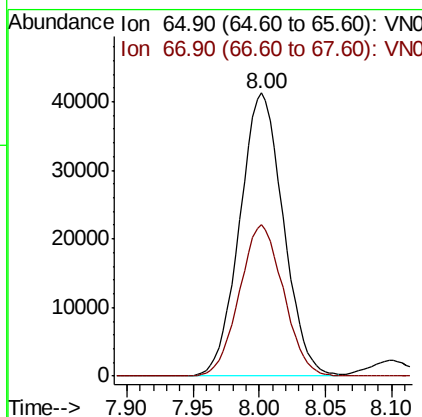
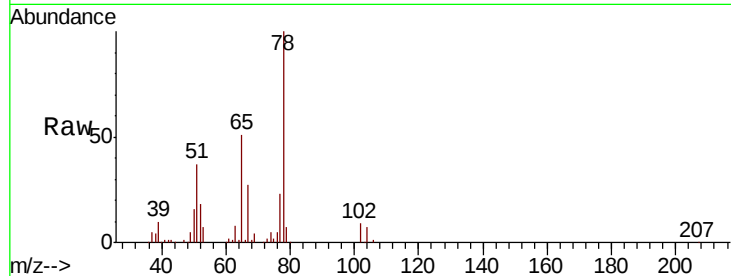




#33
 1,2-Dichloroethane-d4
 Concen: 52.423 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

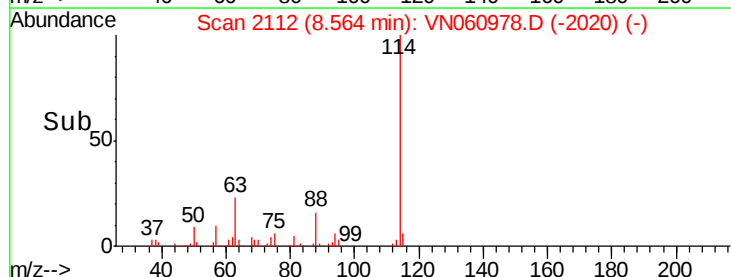
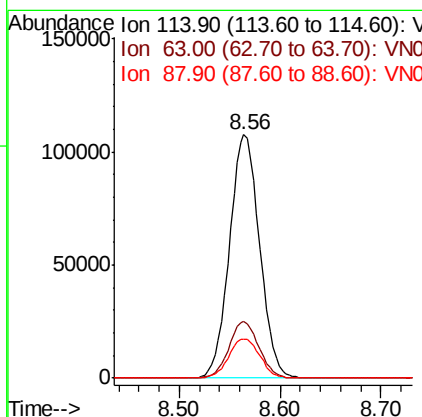
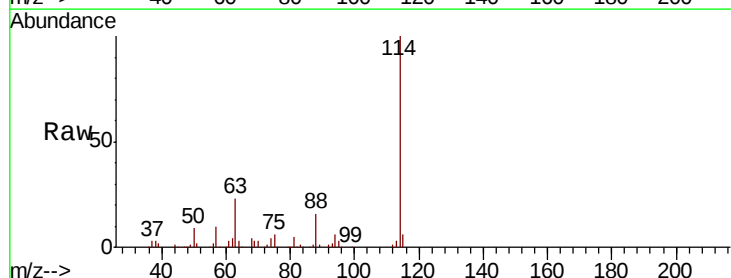
Instrument :
 MSVOA_N
 ClientSampleId :

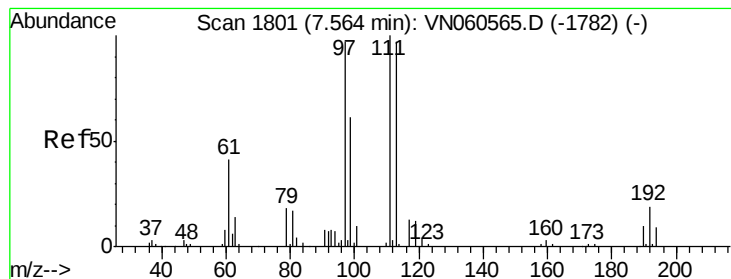
Tot Ion: 65 Resp: 94466
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Tgt Ion: 114 Resp: 223536
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 43.8
 88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.145 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

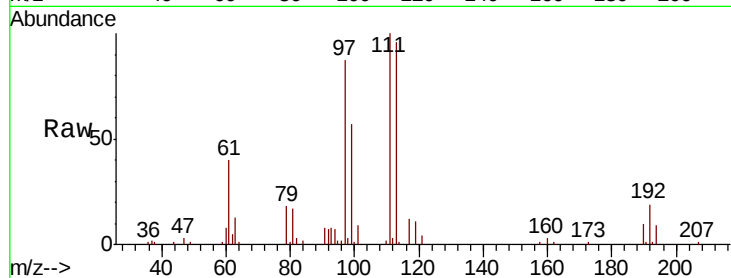
Tot Ion:113 Resp: 70482

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

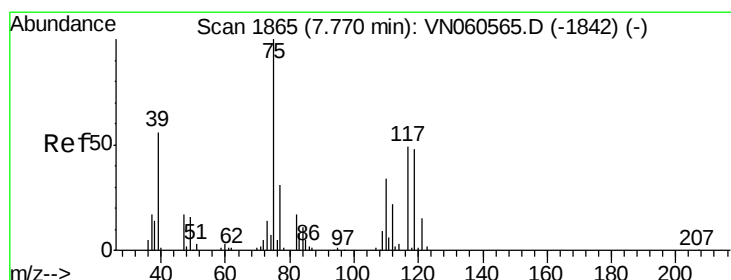
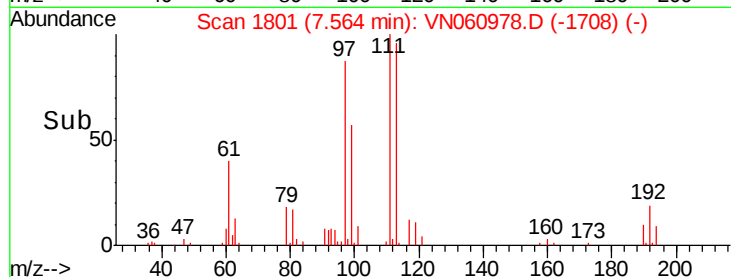
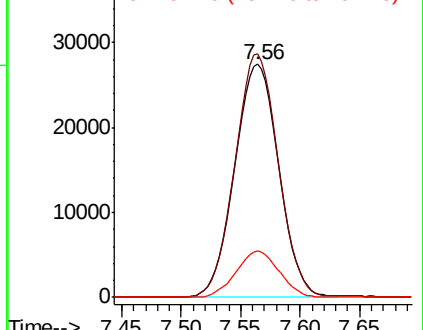
192 19.4 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.790 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

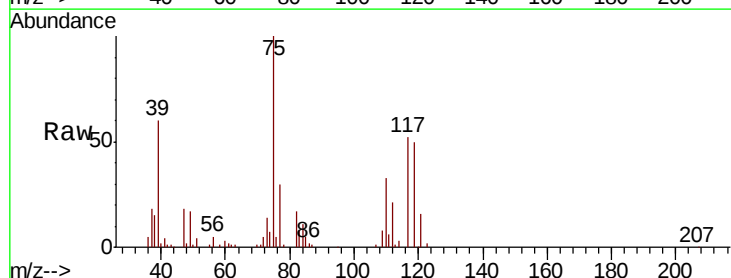
Tgt Ion: 75 Resp: 107771

Ion Ratio Lower Upper

75 100

110 33.0 16.9 50.6

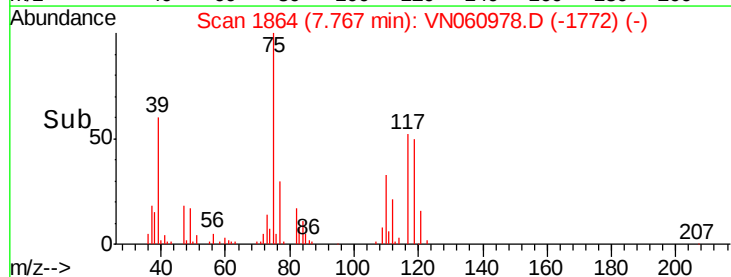
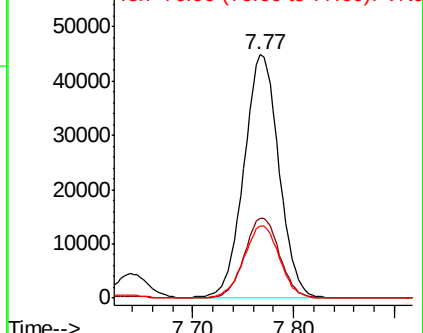
77 30.3 24.6 36.8

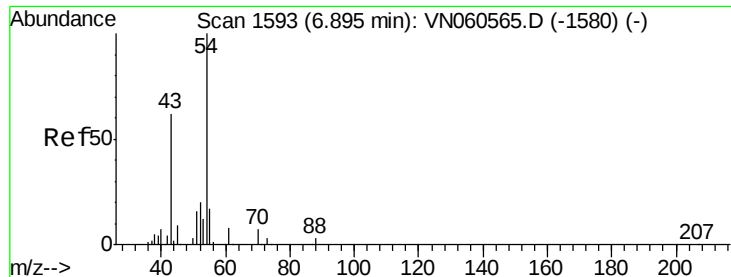


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

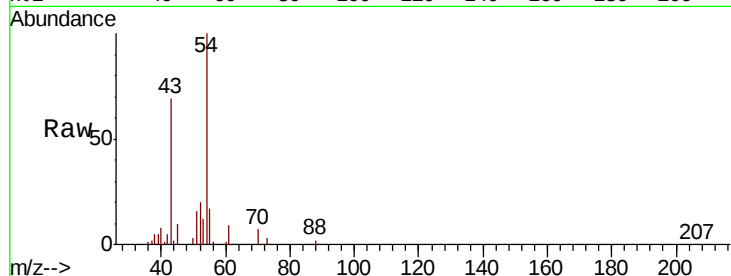




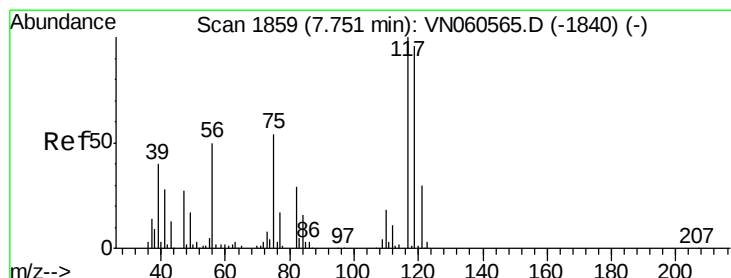
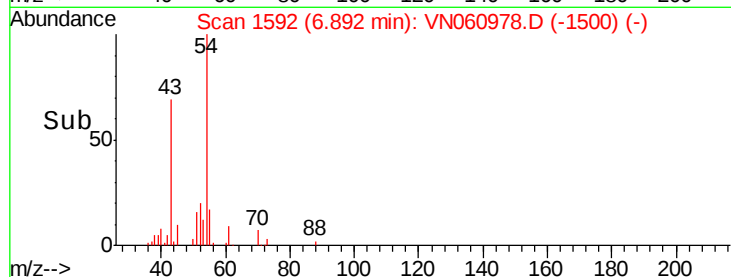
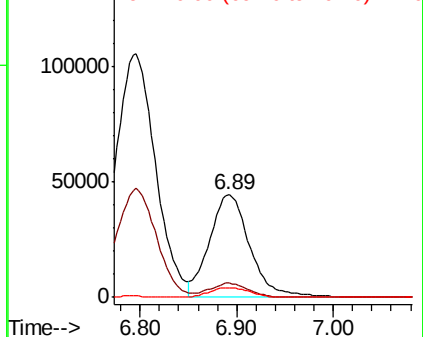
#37
Ethyl Acetate
Concen: 54.524 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 127521
Ion Ratio Lower Upper
43 100
61 13.3 10.6 15.8
70 9.6 7.9 11.9

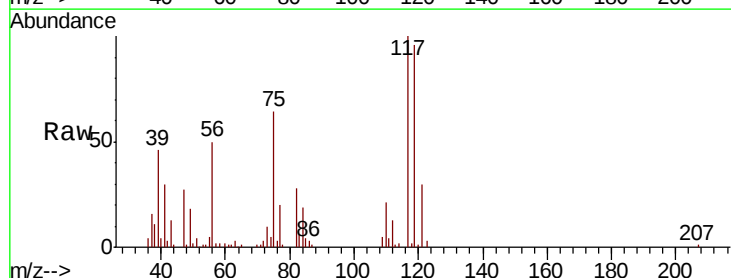


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

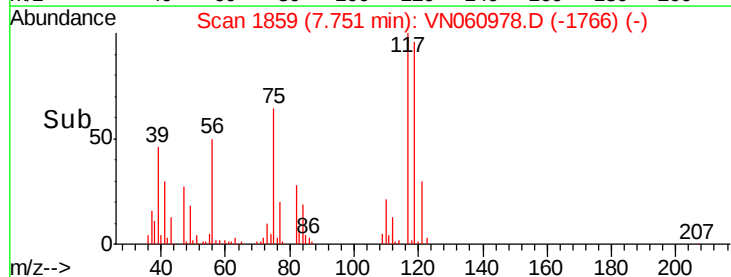
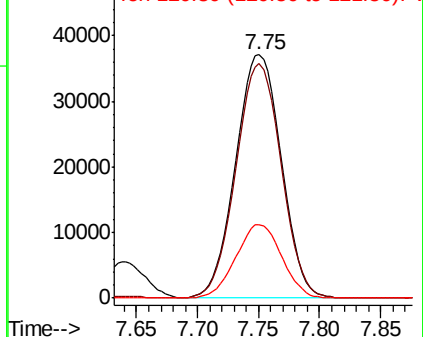


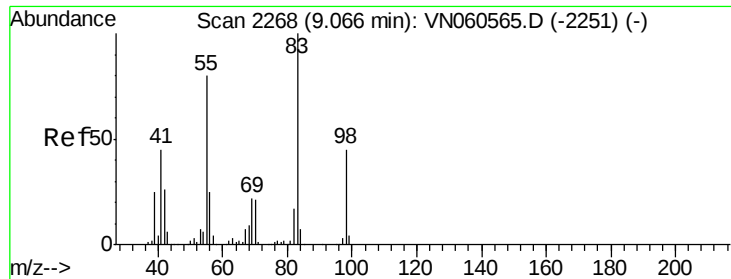
#38
Carbon Tetrachloride
Concen: 49.724 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion: 117 Resp: 96463
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.2
121 30.2 23.7 35.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

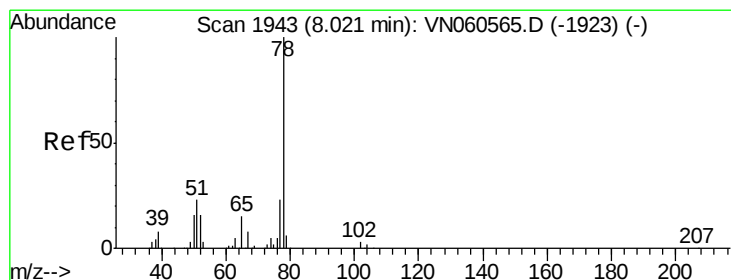
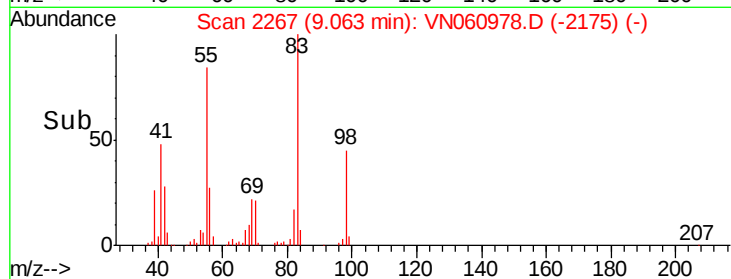
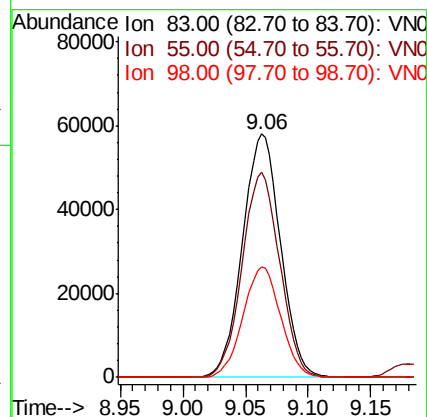
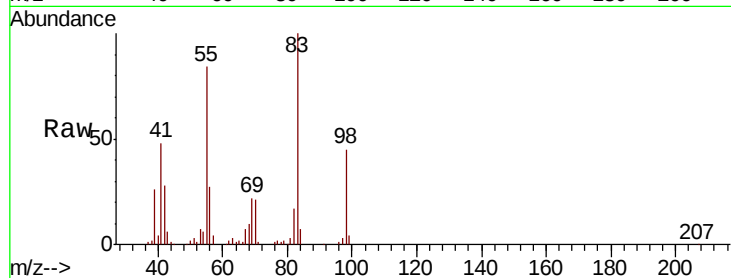




#39
Methvlcvclohexane
Concen: 47.651 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

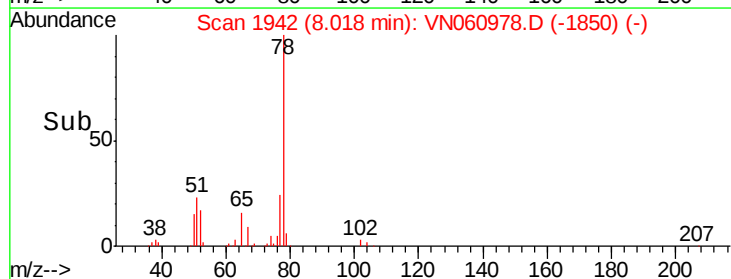
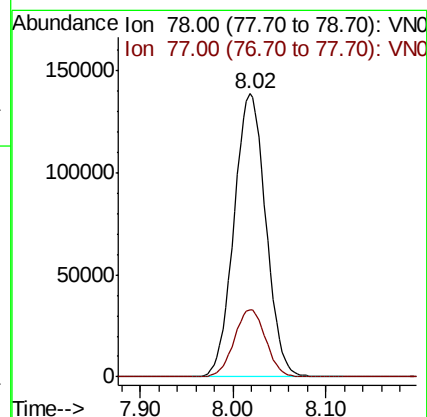
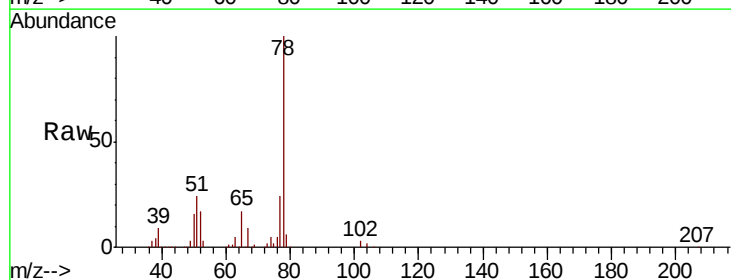
Instrument :
MSVOA_N
ClientSampleId :

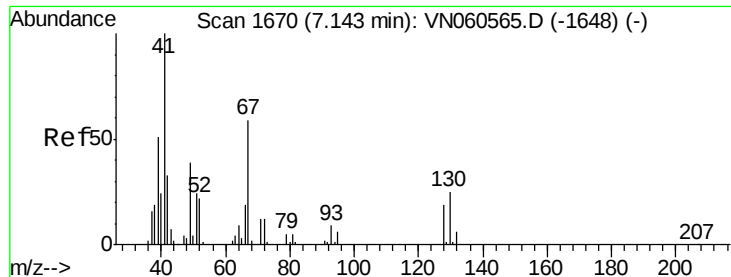
Tot Ion	83	Resp	122570
Ion Ratio	100	Lower	Upper
55	84.1	63.6	95.4
98	45.5	36.0	54.0



#40
Benzene
Concen: 50.472 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	78	Resp	329792
Ion Ratio	100	Lower	Upper
77	23.8	18.6	28.0

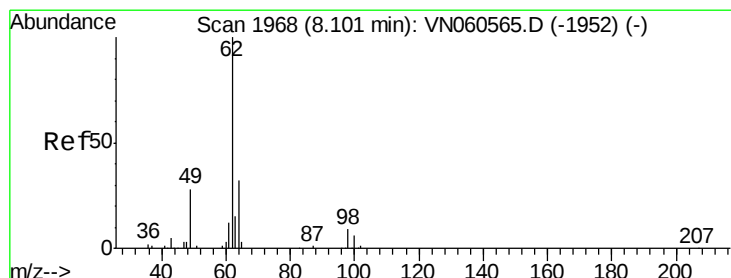
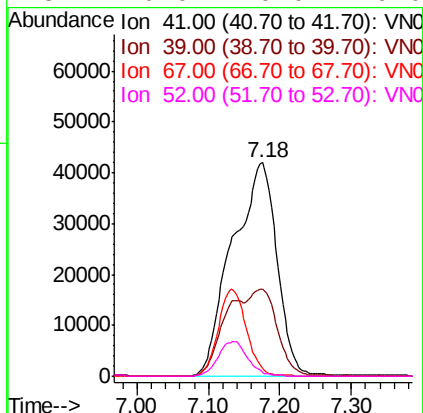
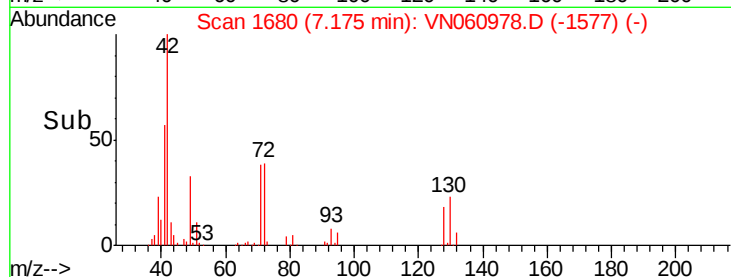
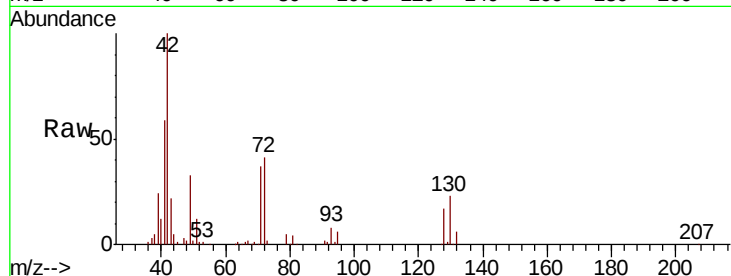




#41
Methacrylonitrile
Concen: 182.553 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

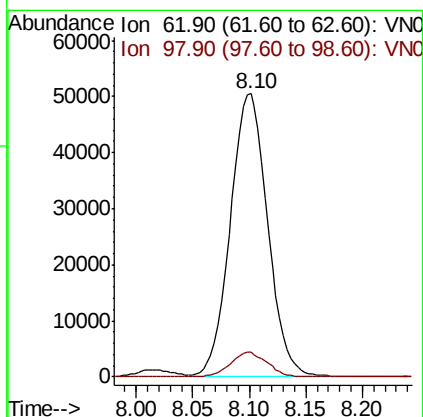
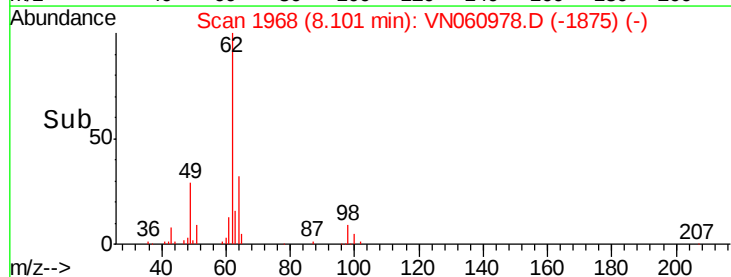
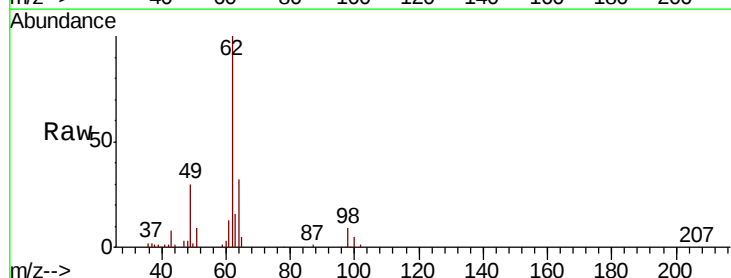
Instrument :
MSVOA_N
ClientSampleId :

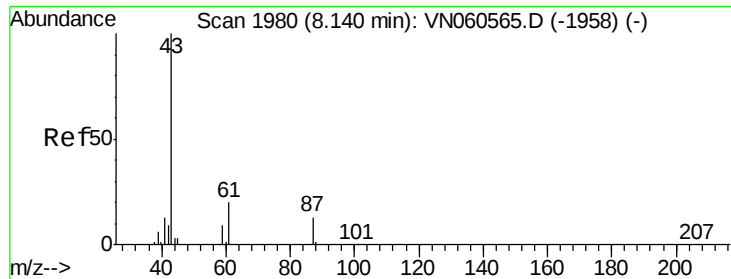
Tot Ion:	41	Resp:	182213
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 52.017 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion:	62	Resp:	116157
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8





#43

Isopropyl Acetate

Concen: 55.071 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampled :

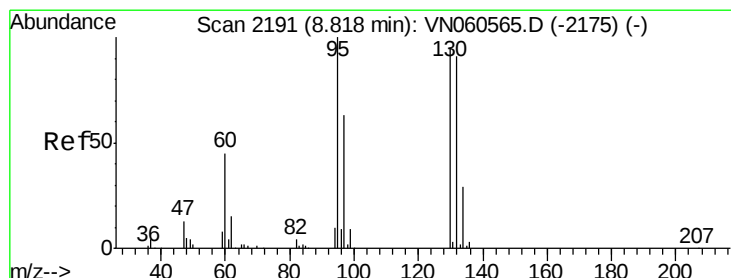
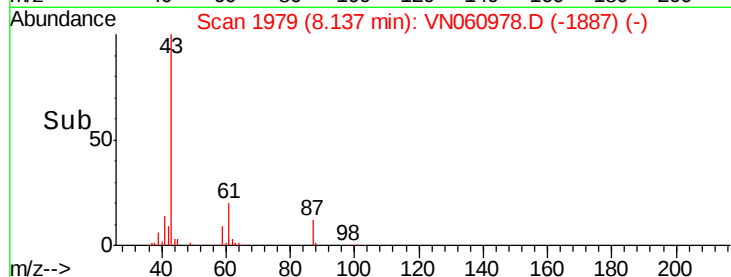
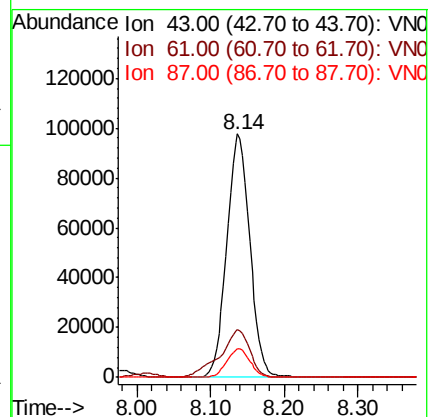
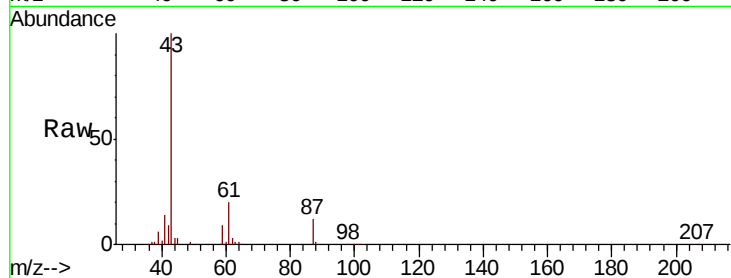
Tot Ion: 43 Resp: 212417

Ion Ratio Lower Upper

43 100

61 25.2 20.7 31.1

87 11.7 9.8 14.8



#44

Trichloroethene

Concen: 48.497 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060978.D

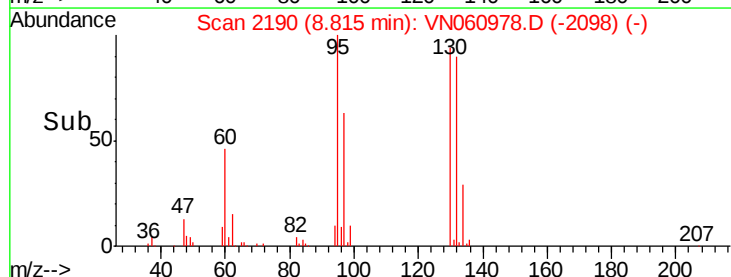
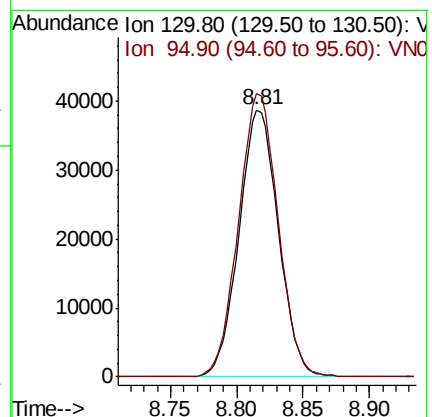
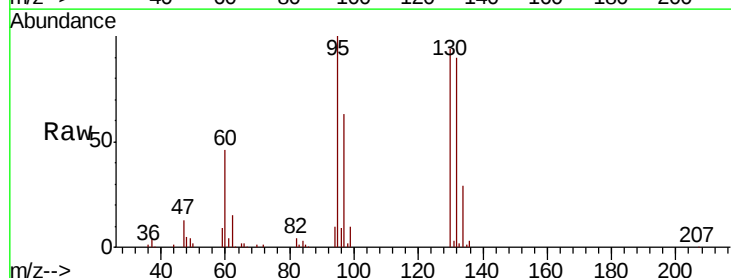
Acq: 15 Apr 2020 21:31

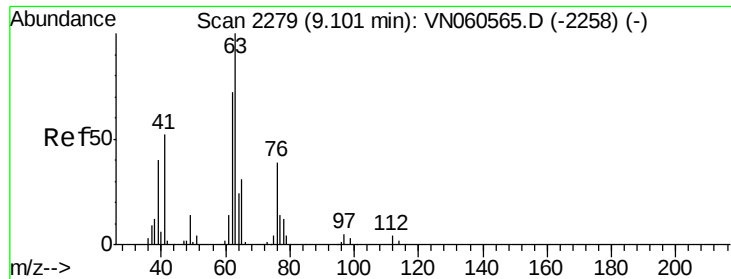
Tgt Ion:130 Resp: 79884

Ion Ratio Lower Upper

130 100

95 106.0 0.0 211.2





#45

1,2-Dichloropropane

Concen: 54.243 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

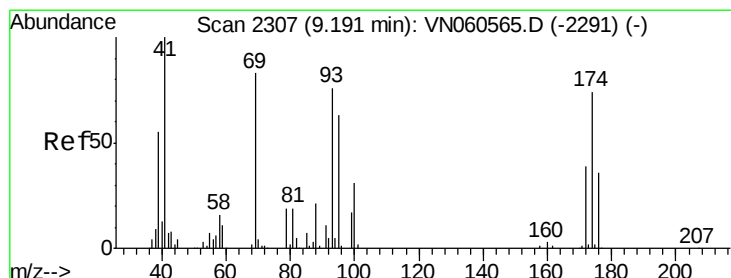
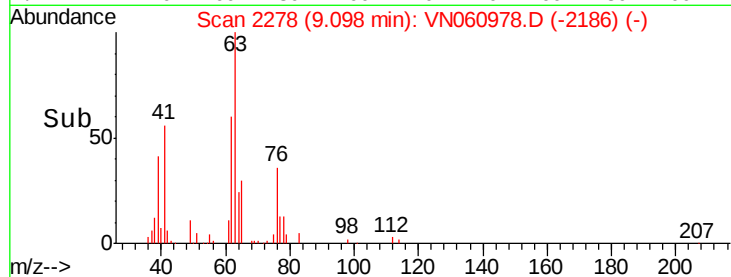
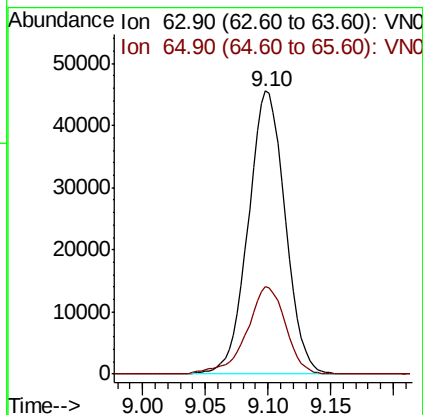
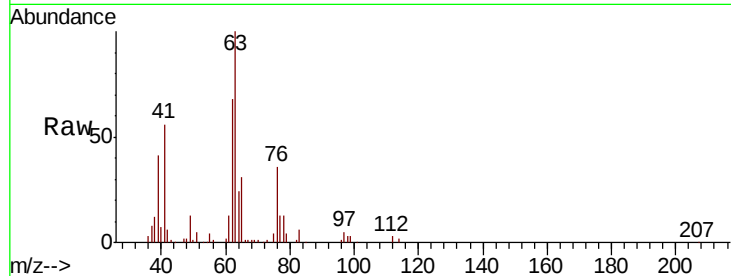
ClientSampled :

Tot Ion: 63 Resp: 93523

Ion Ratio Lower Upper

63 100

65 30.8 25.4 38.0



#46

Dibromomethane

Concen: 51.686 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

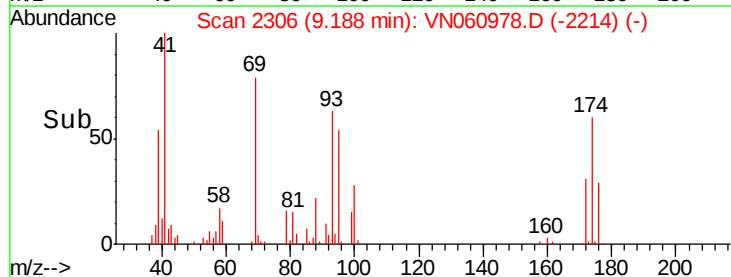
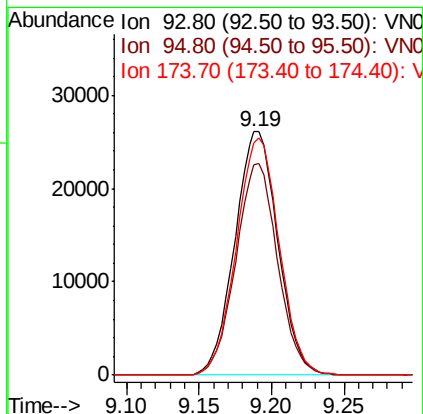
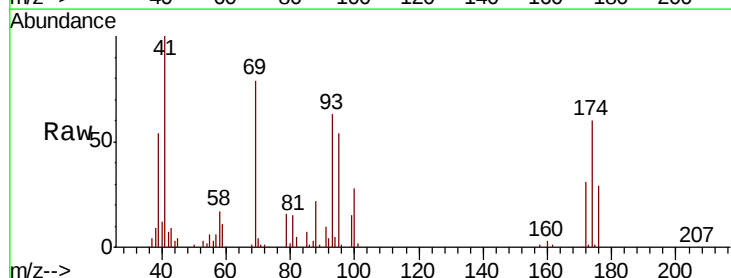
Tgt Ion: 93 Resp: 53875

Ion Ratio Lower Upper

93 100

95 84.5 66.2 99.4

174 96.9 77.9 116.9





#47

Bromodichloromethane

Concen: 53.165 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

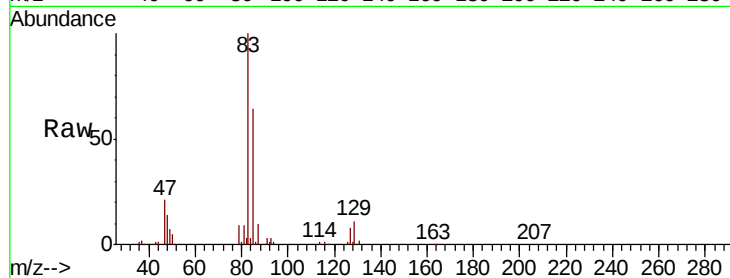
Tot Ion: 83 Resp: 115157

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.6

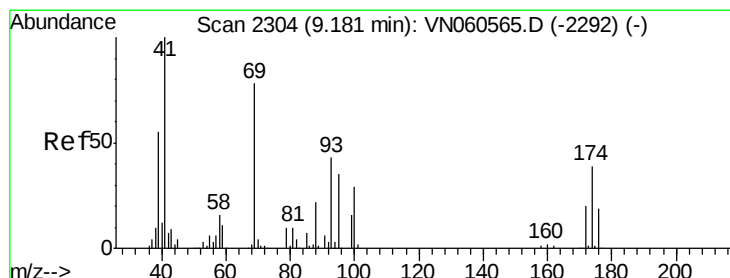
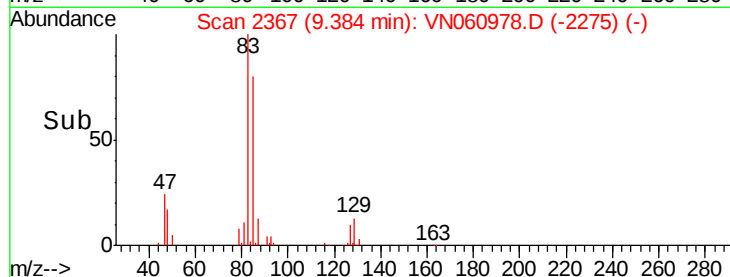
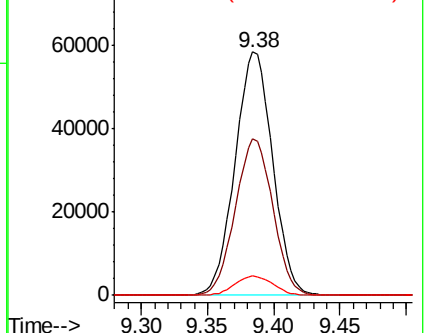
127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060978.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060978.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060978.D (-2275) (-)



#48

Methyl methacrylate

Concen: 55.120 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

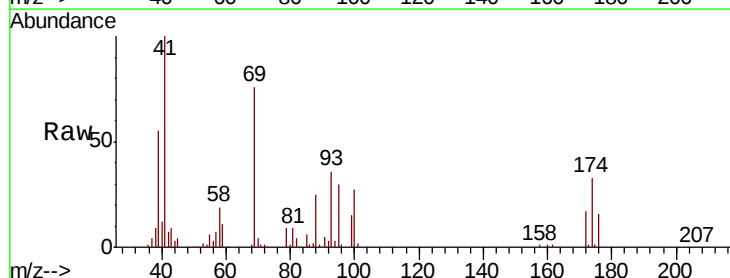
Tgt Ion: 41 Resp: 94658

Ion Ratio Lower Upper

41 100

69 79.6 65.4 98.0

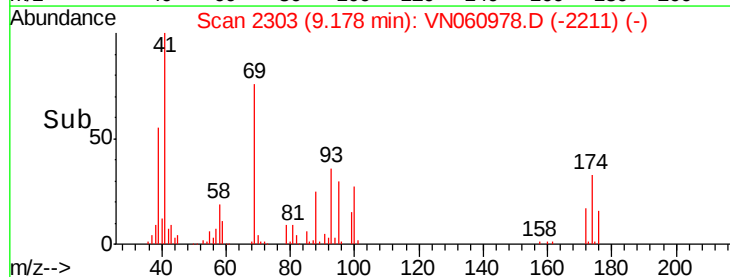
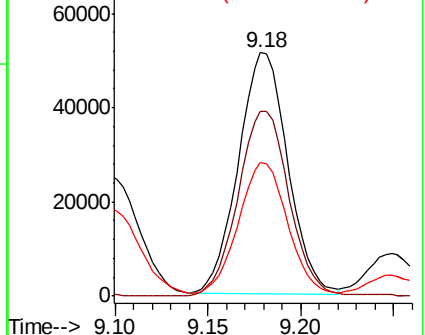
39 56.4 44.0 66.0

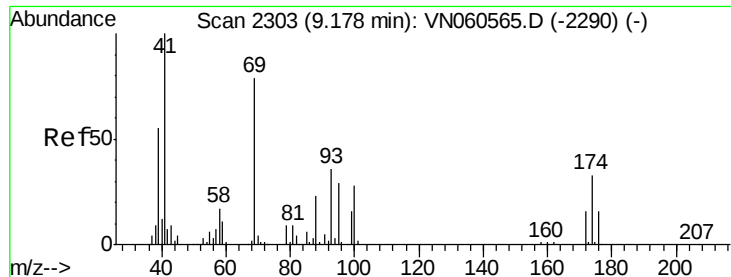


Abundance Ion 41.00 (40.70 to 41.70): VN060978.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060978.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060978.D (-2211) (-)

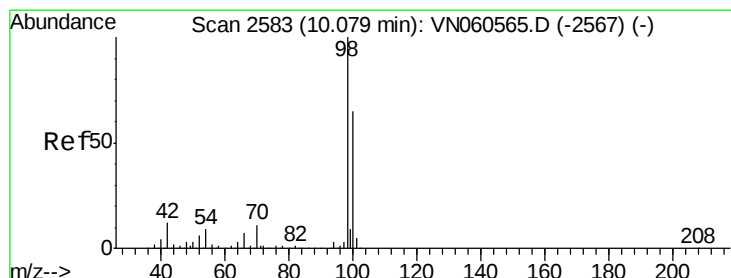
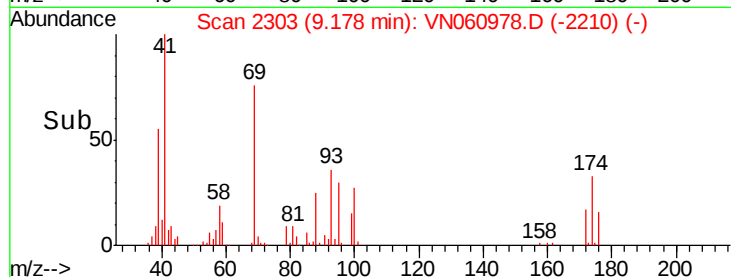
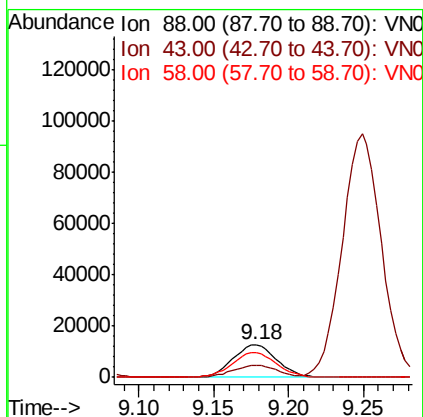
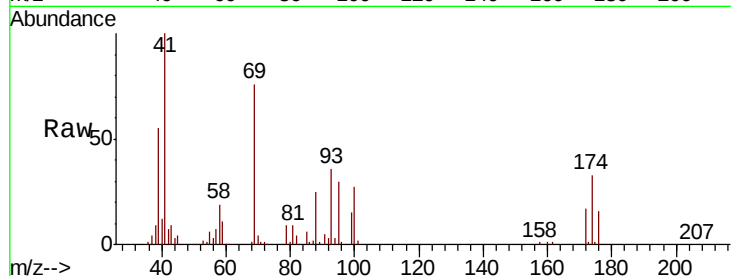




#49
 1,4-Dioxane
 Concen: 1268.304 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

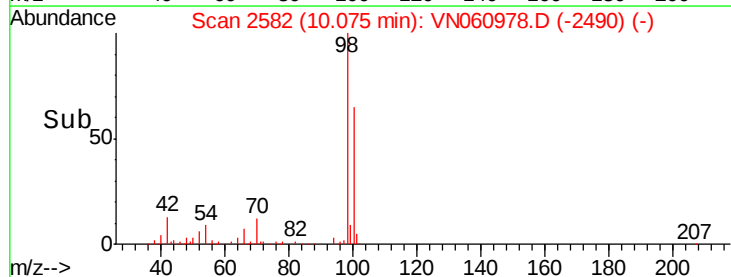
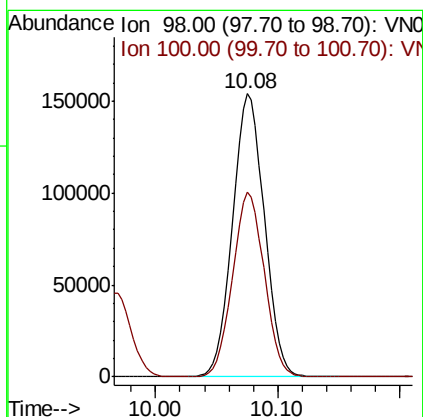
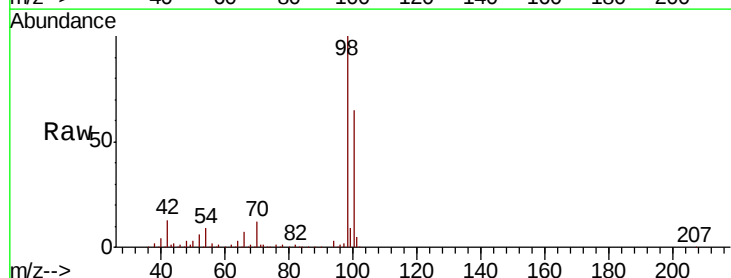
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 25889
 Ion Ratio Lower Upper
 88 100
 43 37.7 30.8 46.2
 58 77.7 59.8 89.8



#50
 Toluene-d8
 Concen: 50.394 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Tgt Ion: 98 Resp: 278223
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 290.930 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

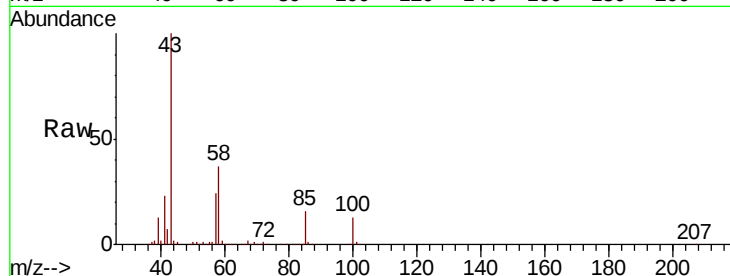
ClientSampled :

Tot Ion: 43 Resp: 638560

Ion Ratio Lower Upper

43 100

58 37.6 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060978.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060978.D (-2456) (-)

9.97

400000

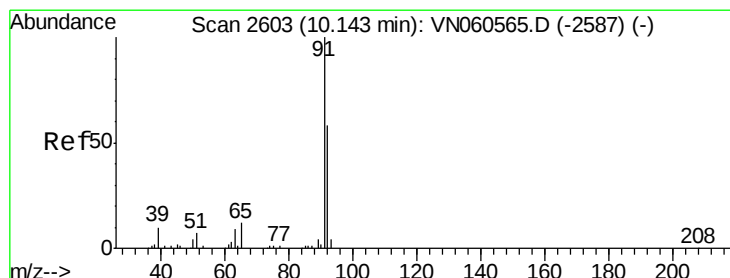
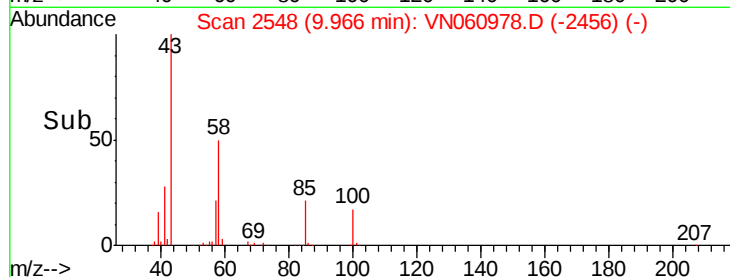
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.249 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060978.D

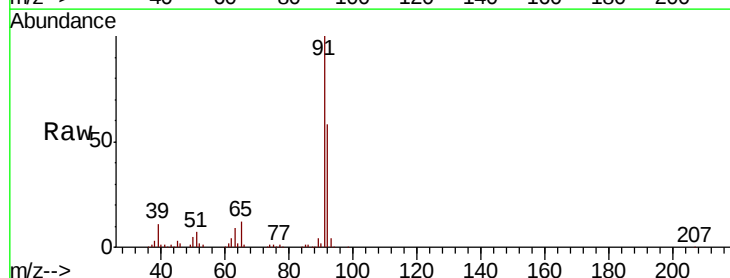
Acq: 15 Apr 2020 21:31

Tgt Ion: 92 Resp: 198292

Ion Ratio Lower Upper

92 100

91 171.5 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060978.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060978.D (-2510) (-)

10.14

200000

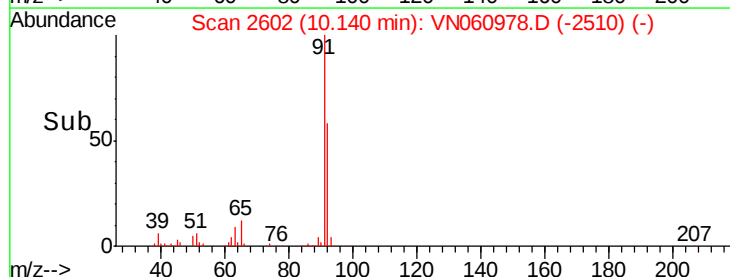
150000

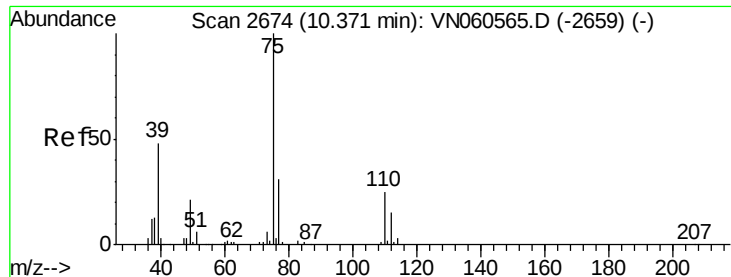
100000

50000

0

Time-->

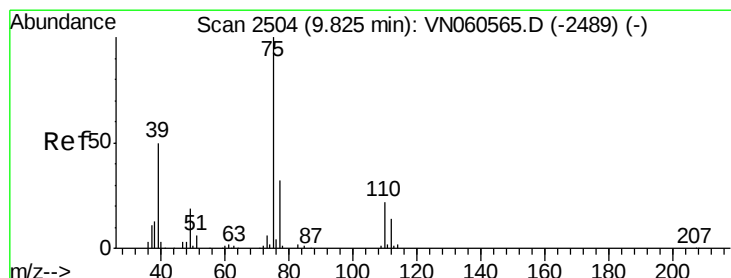
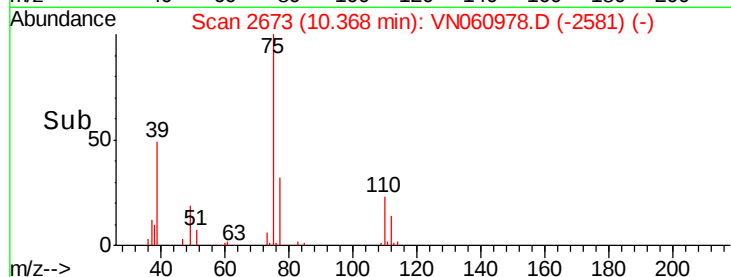
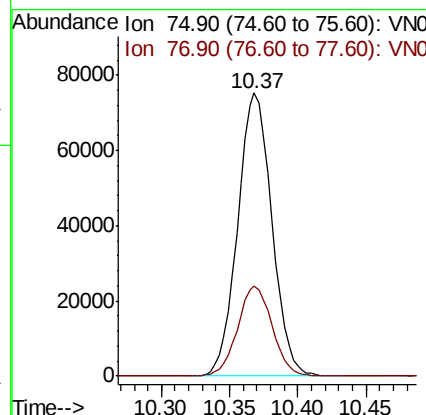
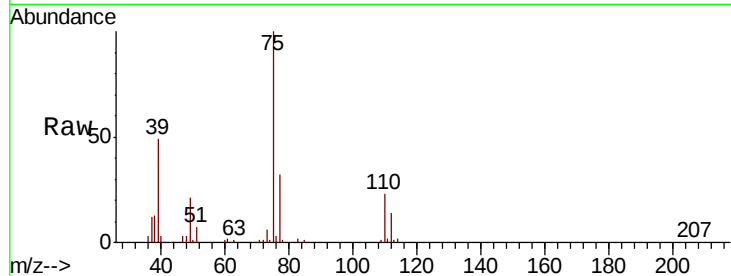




#53
t-1,3-Dichloropropene
Concen: 52.748 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

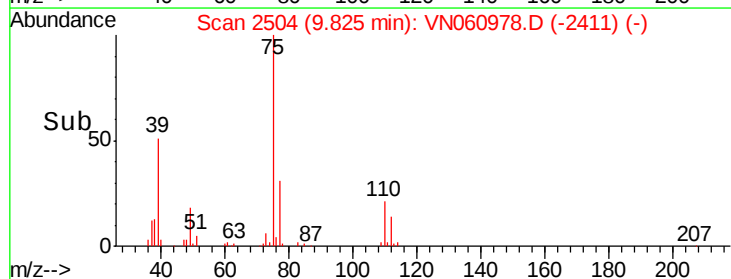
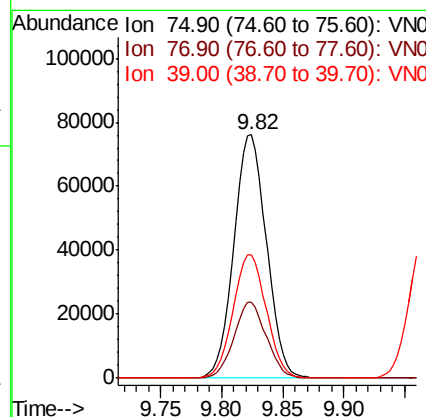
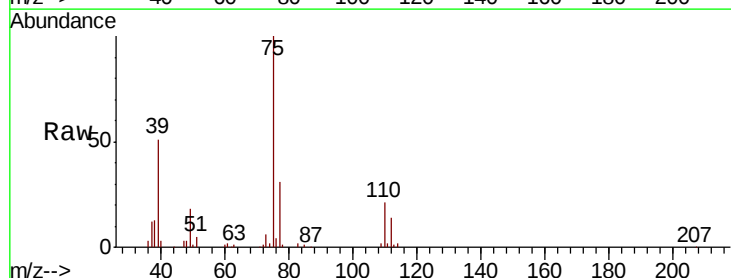
Instrument :
MSVOA_N
ClientSampleId :

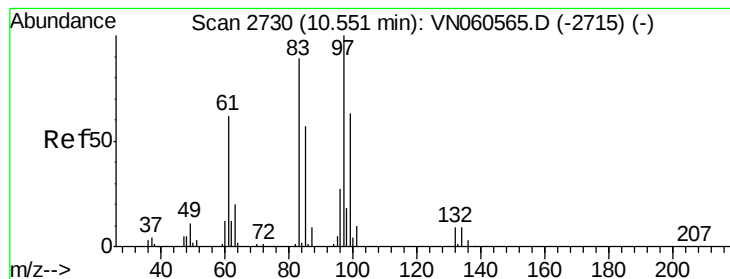
Tot Ion: 75 Resp: 131241
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 51.970 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion: 75 Resp: 141855
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0
39 50.8 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 52.948 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 80383

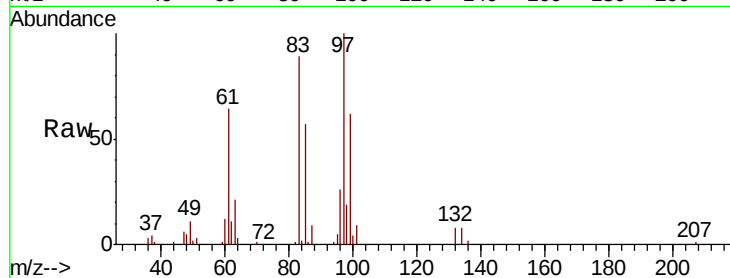
Ion Ratio Lower Upper

97 100

83 88.7 71.3 106.9

85 56.7 45.2 67.8

99 62.3 50.1 75.1

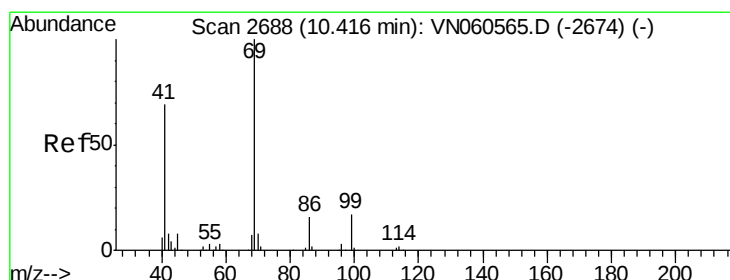
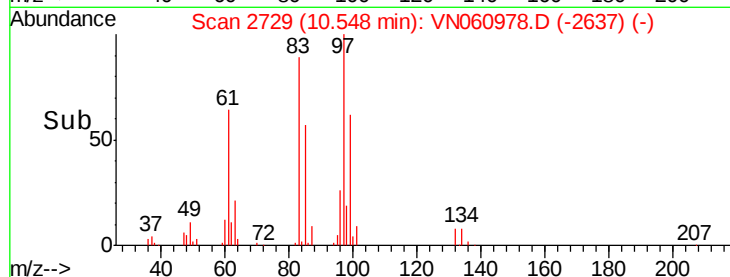
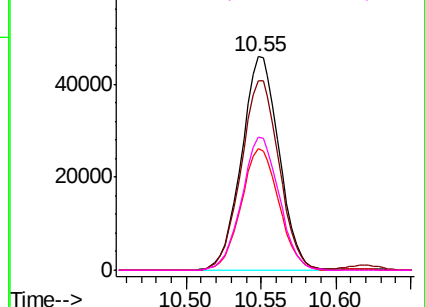


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 55.492 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

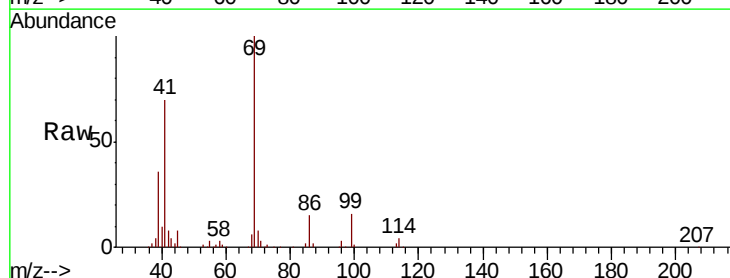
Tgt Ion: 69 Resp: 131359

Ion Ratio Lower Upper

69 100

41 70.5 55.4 83.2

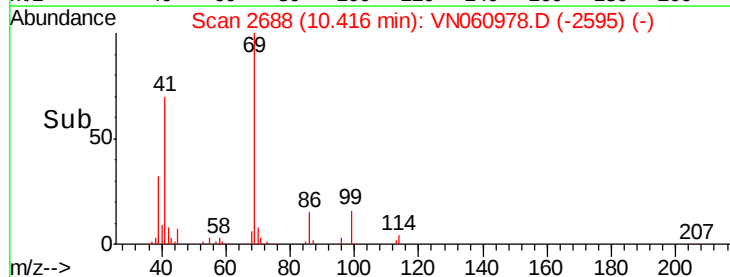
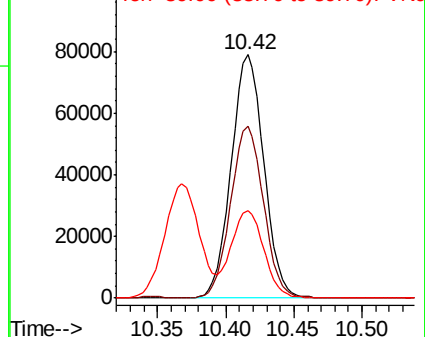
39 36.5 29.4 44.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.060 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

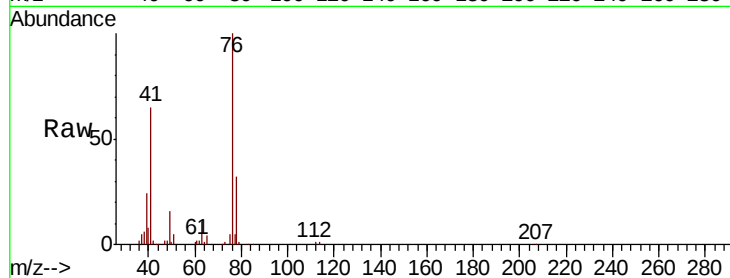
ClientSampled :

Tot Ion: 76 Resp: 139786

Ion Ratio Lower Upper

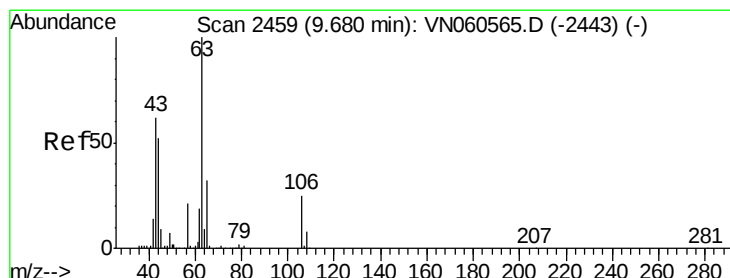
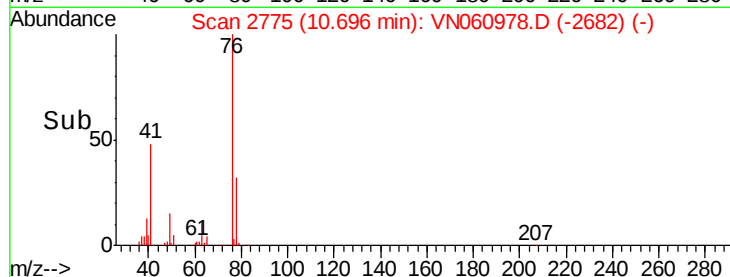
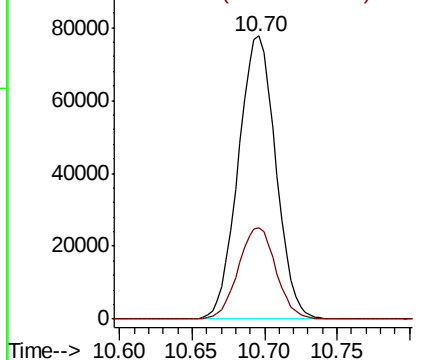
76 100

78 32.4 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 255.136 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060978.D

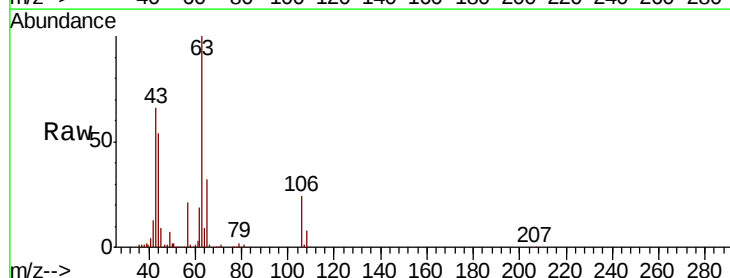
Acq: 15 Apr 2020 21:31

Tgt Ion: 63 Resp: 300168

Ion Ratio Lower Upper

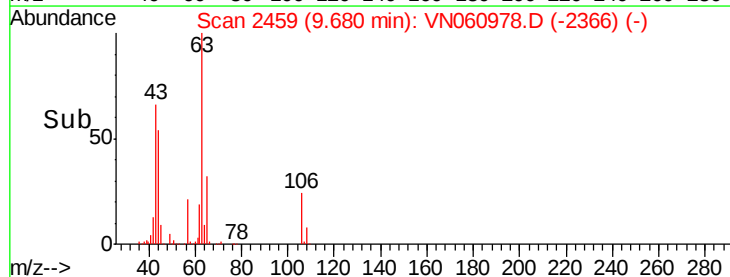
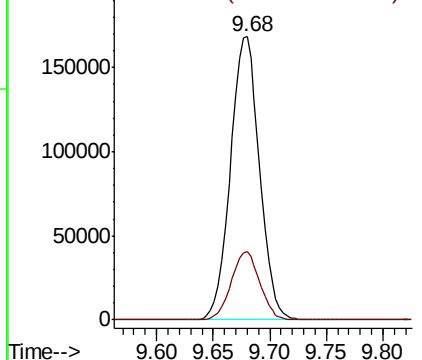
63 100

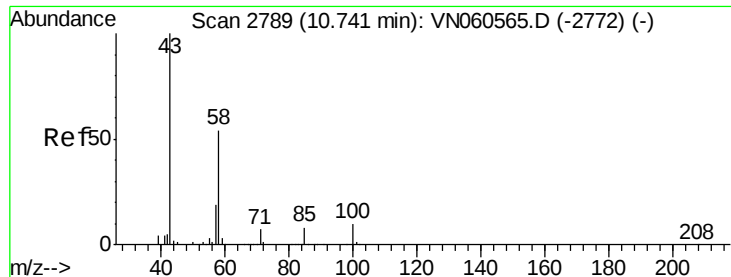
106 23.8 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

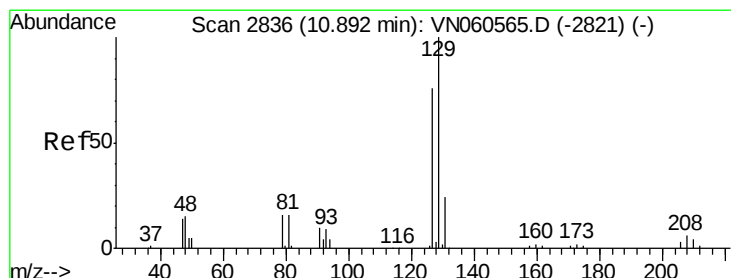
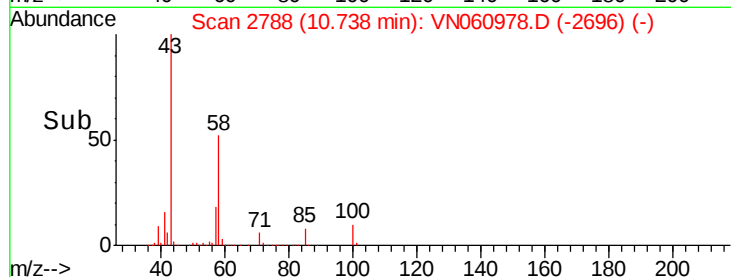
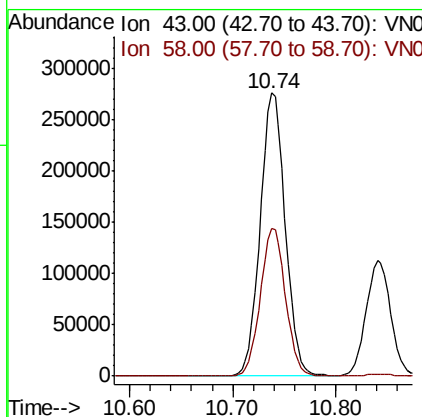
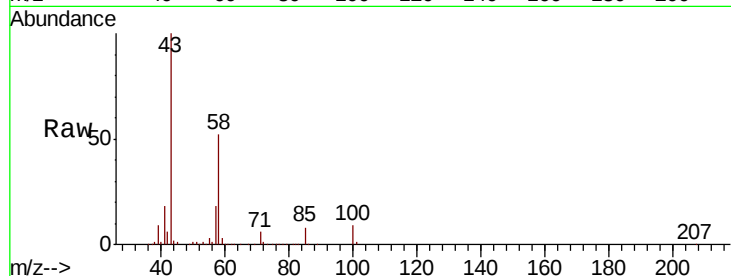




#59
2-Hexanone
Concen: 293.184 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

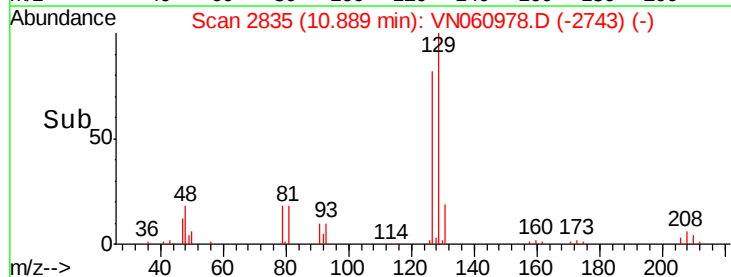
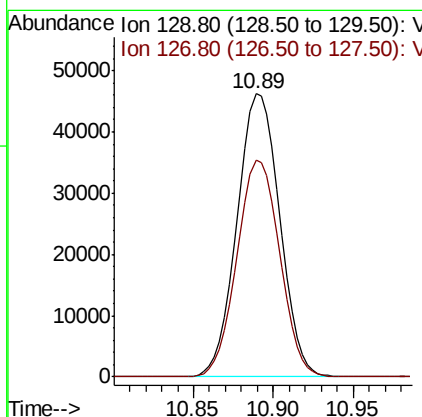
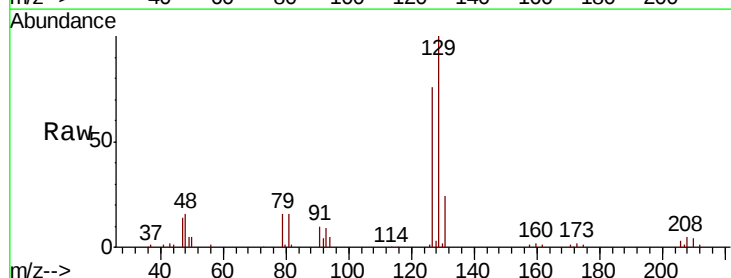
Instrument :
MSVOA_N
ClientSampleId :

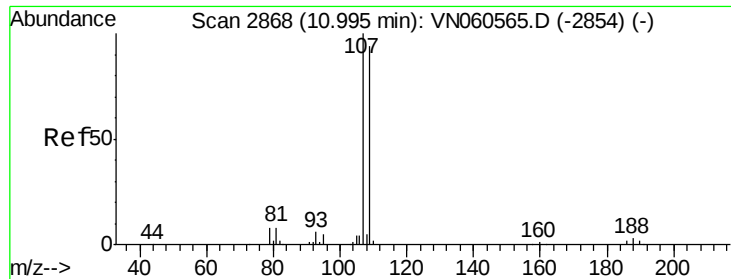
Tot Ion: 43 Resp: 463551
Ion Ratio Lower Upper
43 100
58 52.3 26.7 80.1



#60
Dibromochloromethane
Concen: 53.687 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion: 129 Resp: 84190
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5

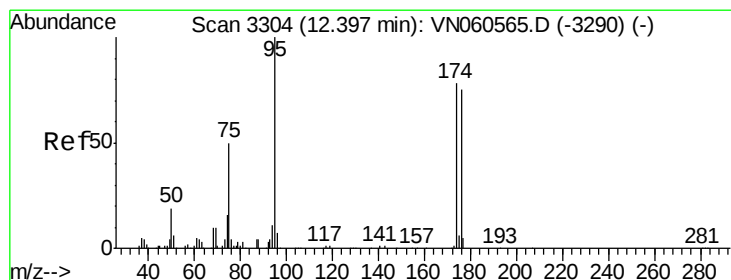
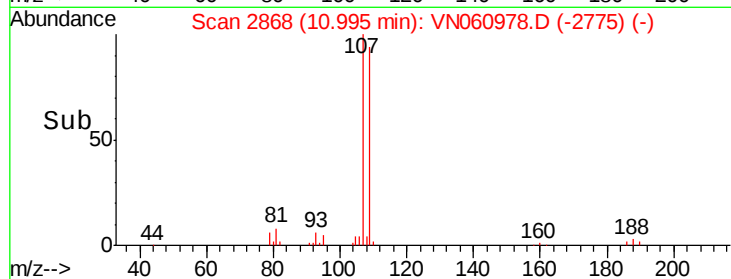
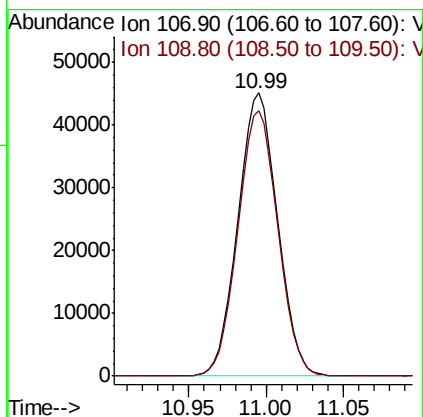
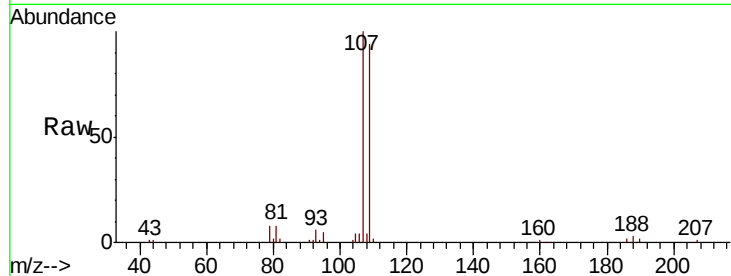




#61
 1,2-Dibromoethane
 Concen: 52.697 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

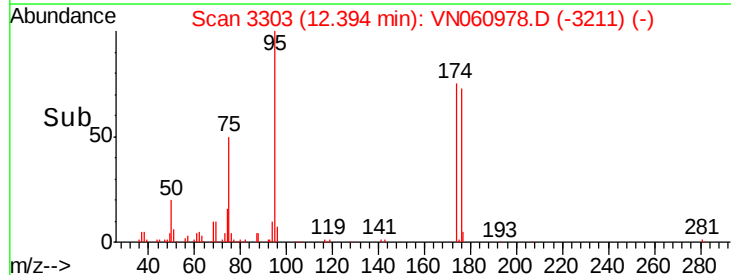
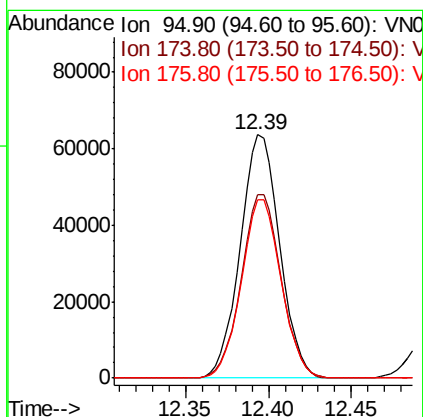
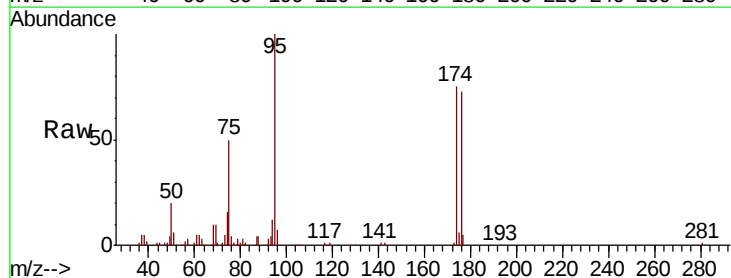
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:107 Resp: 80446
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 52.053 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Tgt Ion: 95 Resp: 105321
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 157.6
 176 73.7 0.0 150.6

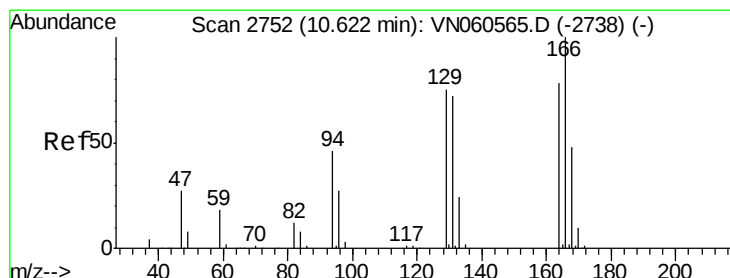
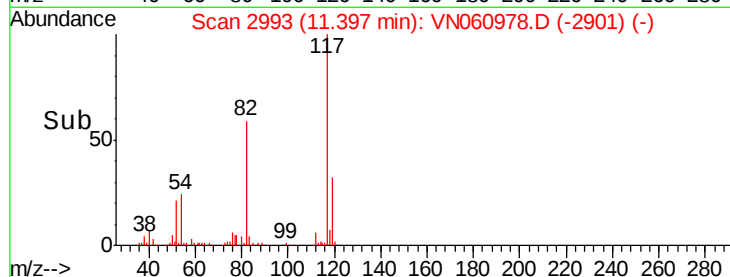
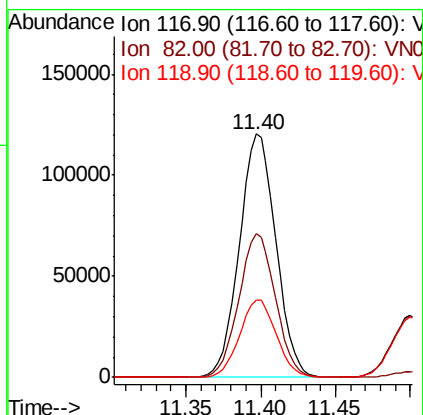
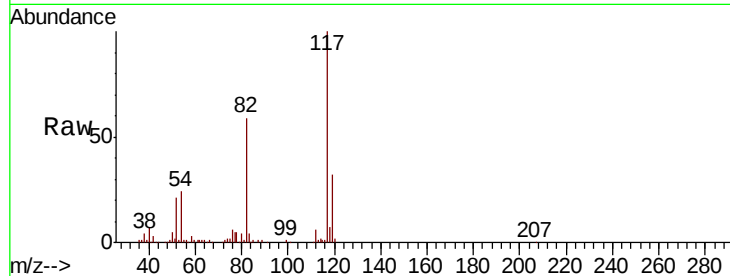




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

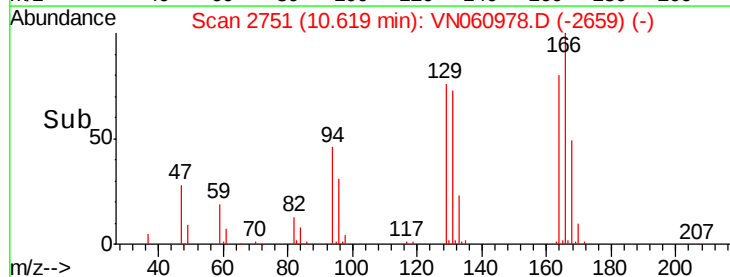
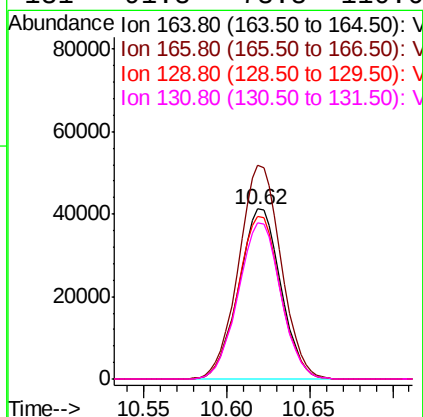
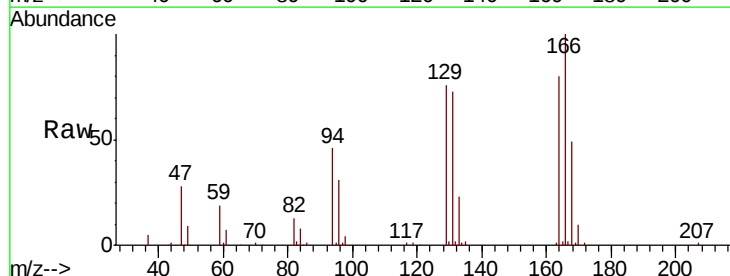
Instrument :
MSVOA_N
ClientSampleId :

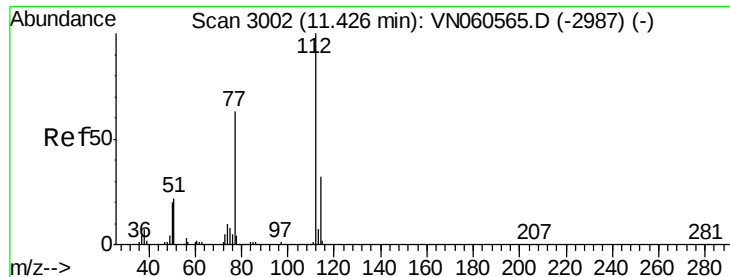
Tot Ion:117 Resp: 204742
Ion Ratio Lower Upper
117 100
82 59.2 46.7 70.1
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 45.176 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion:164 Resp: 72785
Ion Ratio Lower Upper
164 100
166 125.7 102.7 154.1
129 95.8 77.2 115.8
131 91.8 73.8 110.6

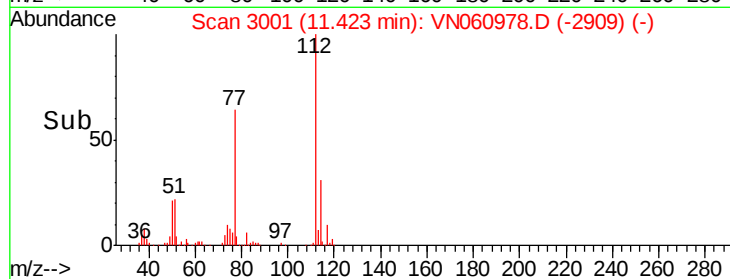
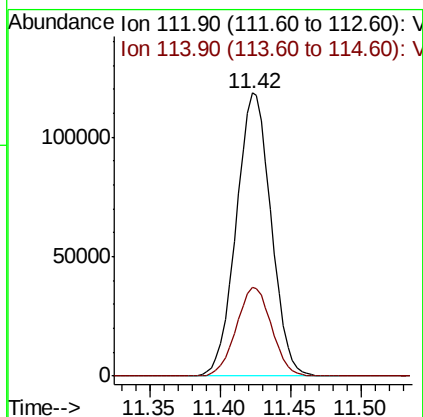
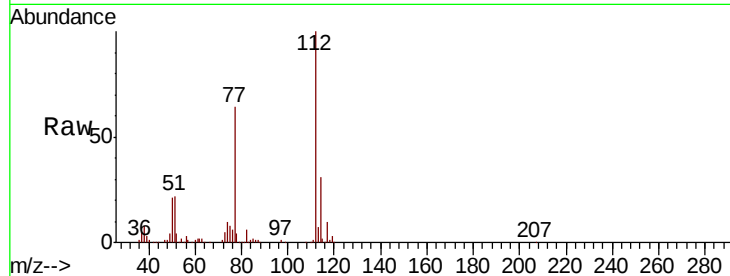




#65
Chlorobenzene
Concen: 50.500 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

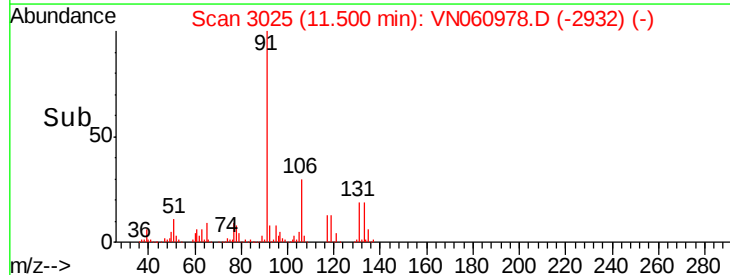
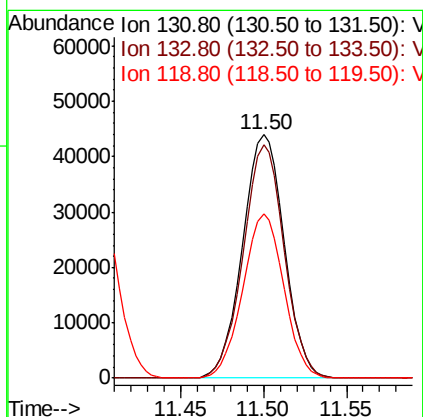
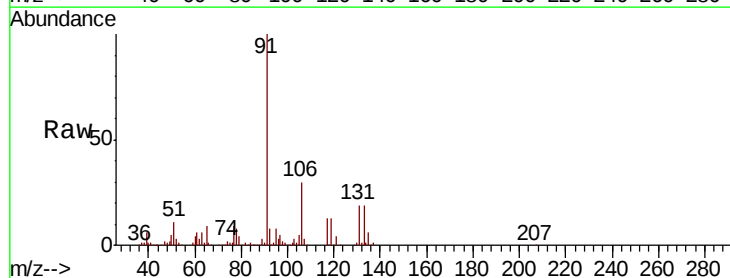
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 204971
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.436 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion:131 Resp: 77057
Ion Ratio Lower Upper
131 100
133 94.3 48.9 146.8
119 66.2 33.9 101.7

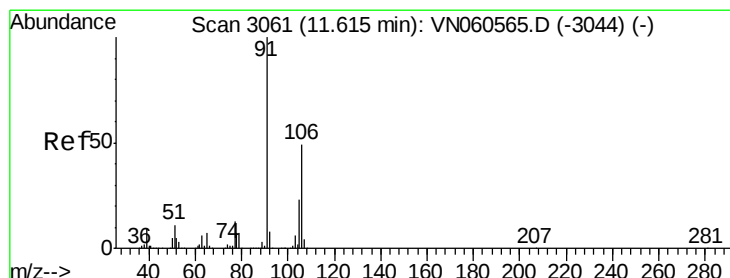
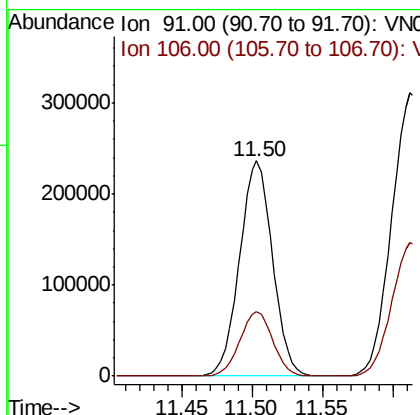
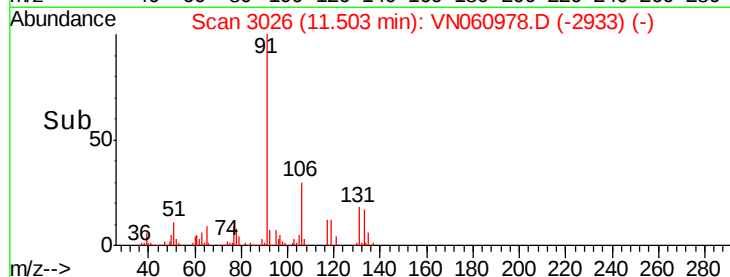
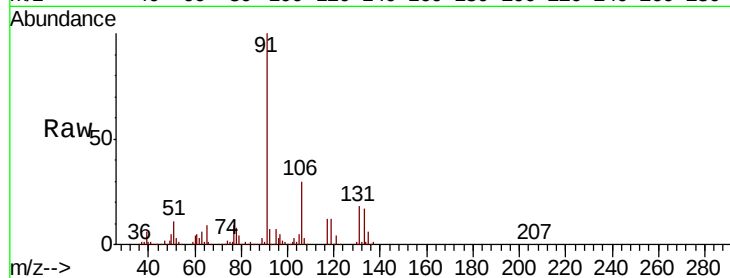




#67
Ethyl Benzene
Concen: 51.206 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

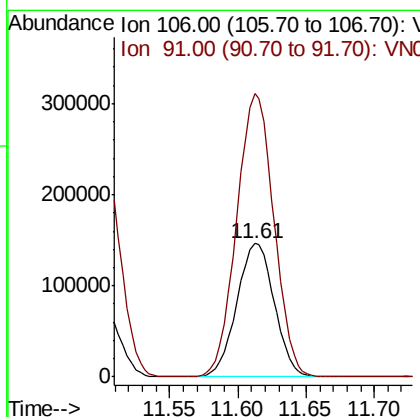
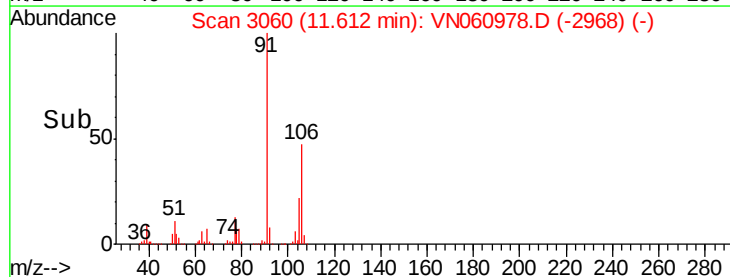
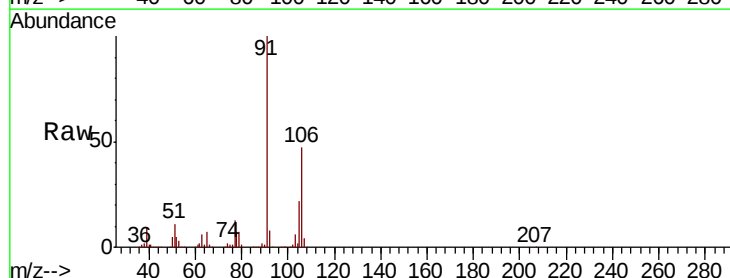
Instrument :
MSVOA_N
ClientSampled :

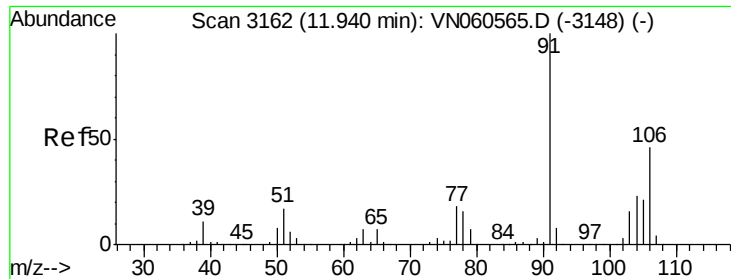
Tot Ion: 91 Resp: 386503
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2



#68
m/p-Xylenes
Concen: 99.455 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion: 106 Resp: 278957
Ion Ratio Lower Upper
106 100
91 211.2 165.0 247.4

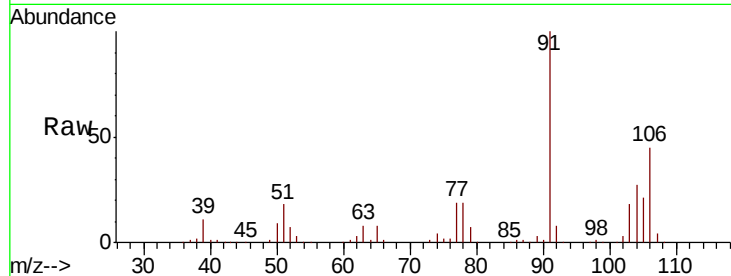




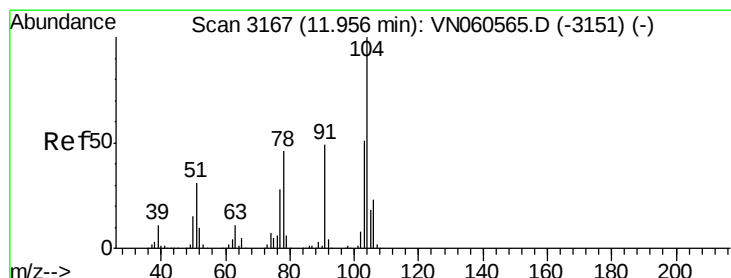
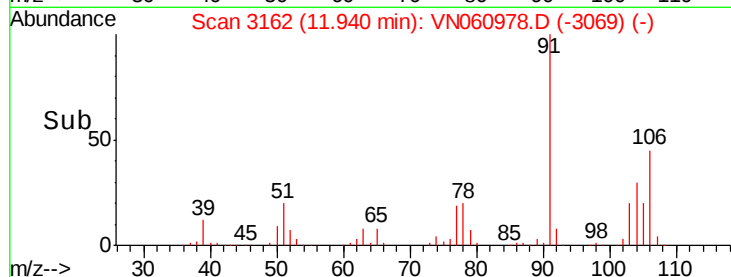
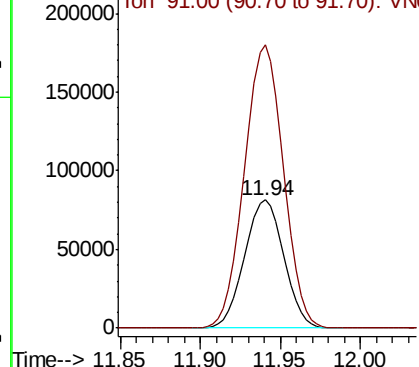
#69
o-Xylene
Concen: 50.795 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 136007
Ion Ratio Lower Upper
106 100
91 220.1 109.5 328.4

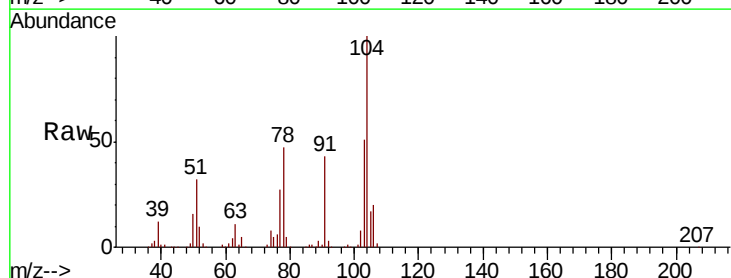


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

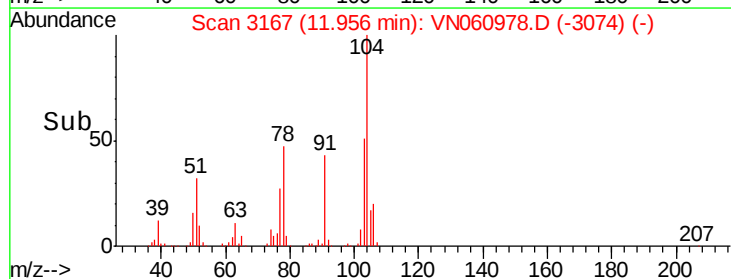
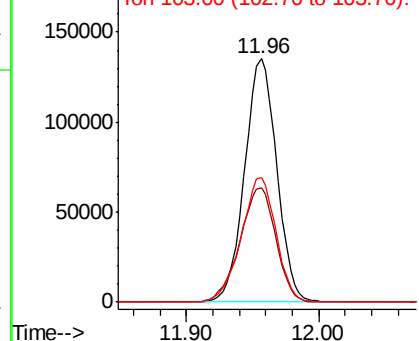


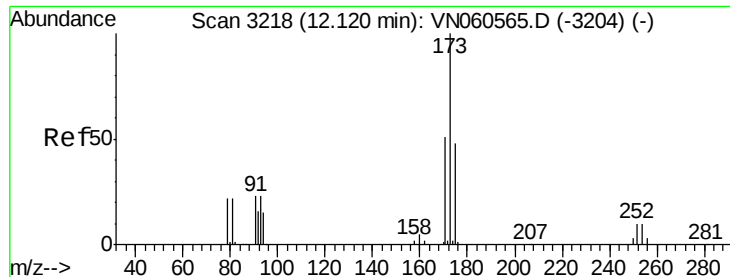
#70
Styrene
Concen: 52.051 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion:104 Resp: 227942
Ion Ratio Lower Upper
104 100
78 52.4 41.2 61.8
103 55.0 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.689 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

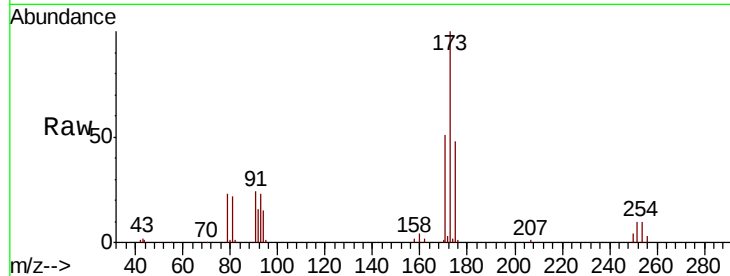
Tot Ion:173 Resp: 60677

Ion Ratio Lower Upper

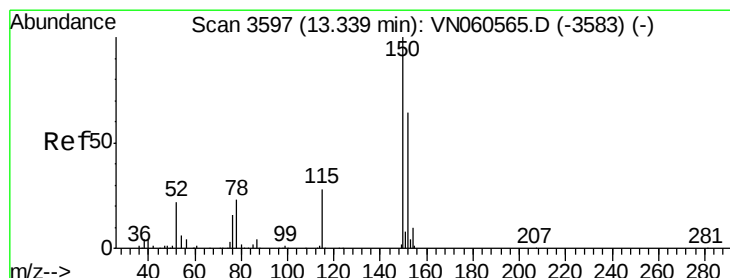
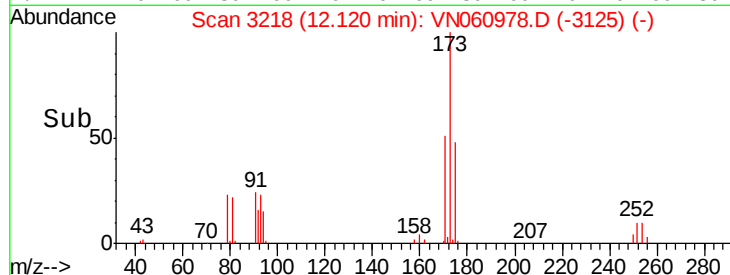
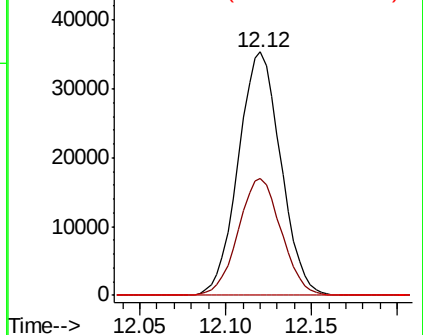
173 100

175 48.4 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: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

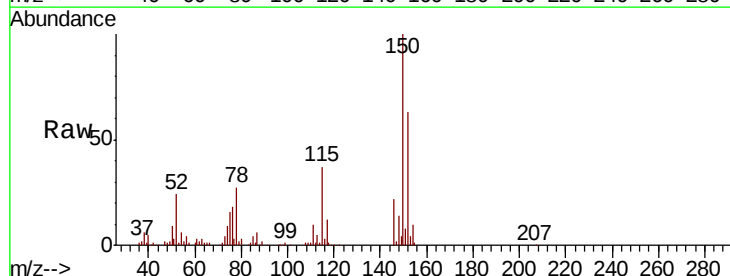
Tgt Ion:152 Resp: 99662

Ion Ratio Lower Upper

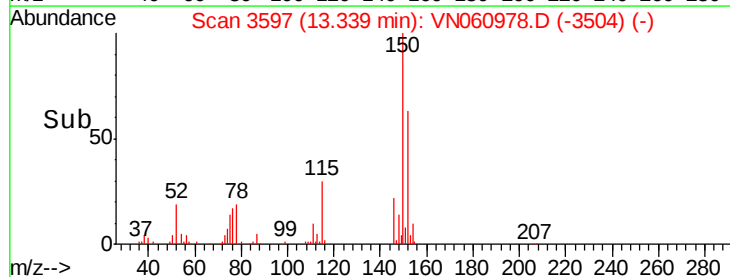
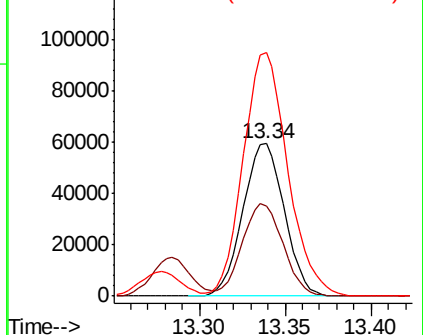
152 100

115 60.1 30.2 90.6

150 172.1 0.0 350.2



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: 49.290 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

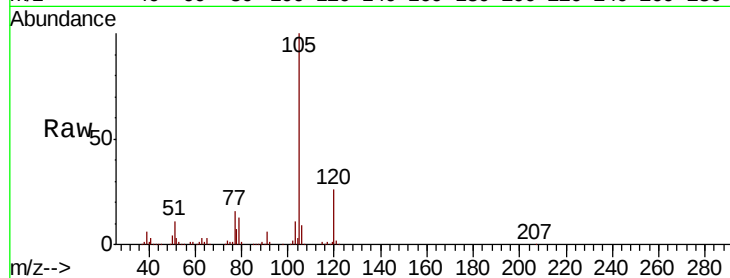
ClientSampled :

Tot Ion:105 Resp: 368653

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

250000

200000

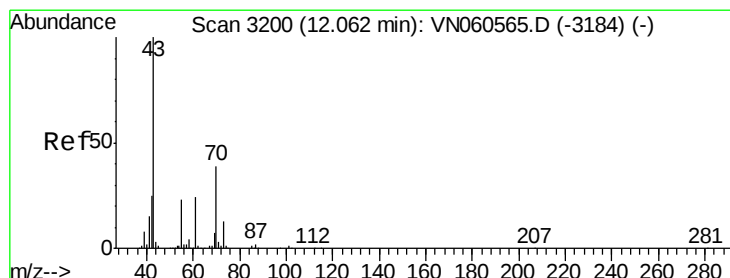
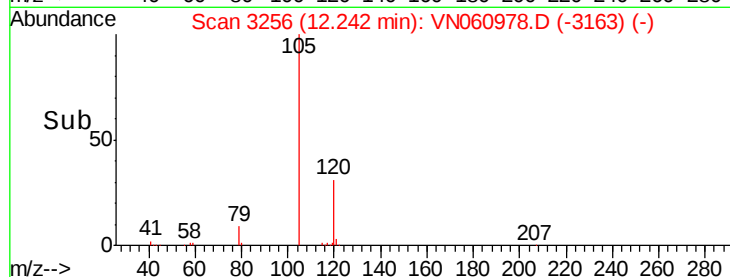
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 53.132 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Tgt Ion: 43 Resp: 183627

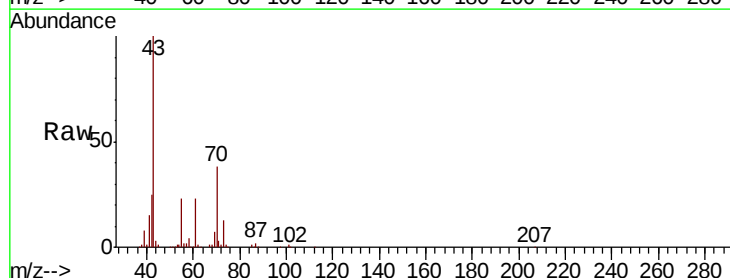
Ion Ratio Lower Upper

43 100

70 38.1 31.1 46.7

55 23.4 18.6 27.8

61 23.0 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.06

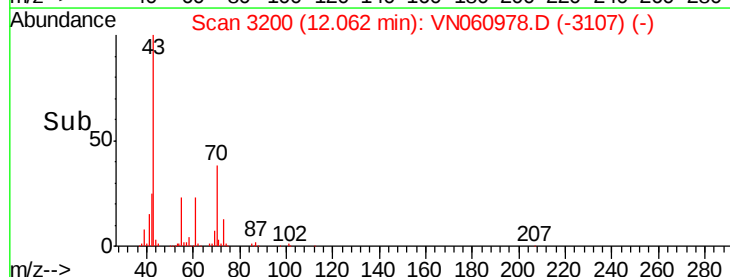
150000

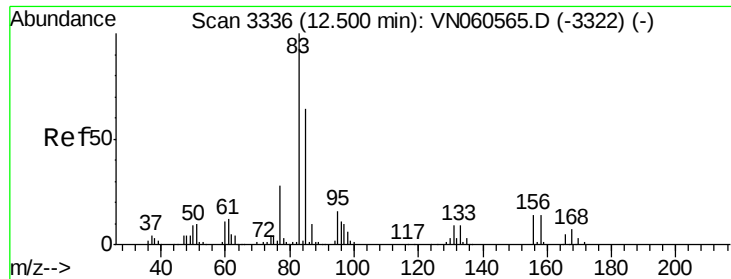
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 53.052 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

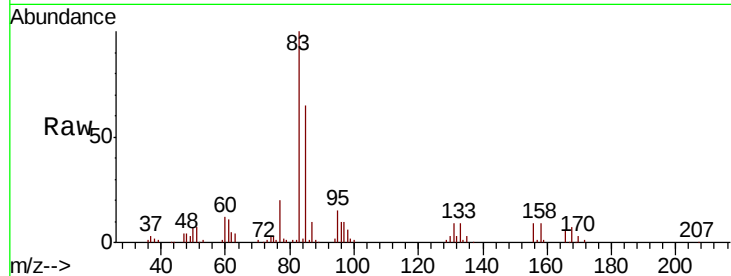
Tot Ion: 83 Resp: 119993

Ion Ratio Lower Upper

83 100

131 9.3 4.9 14.7

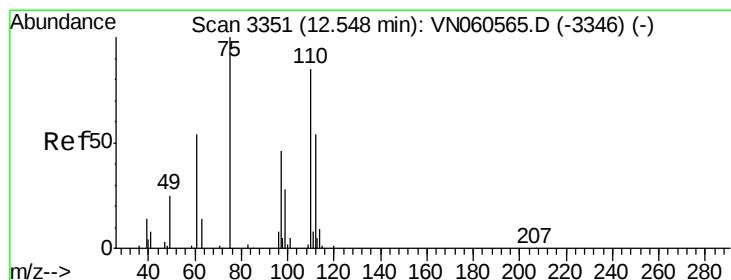
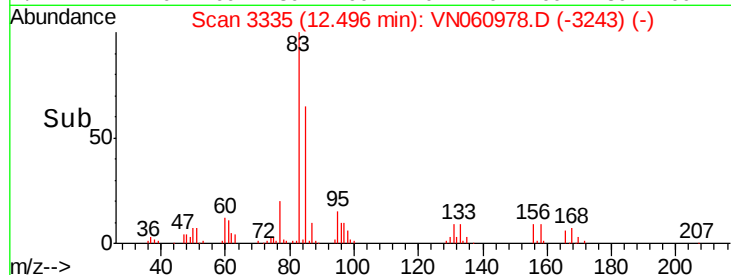
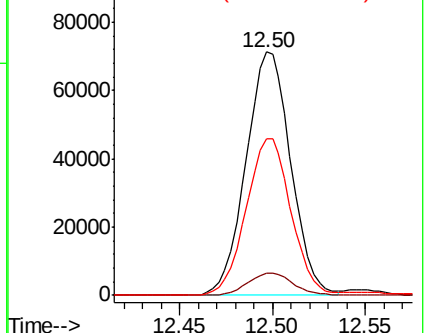
85 64.4 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060978.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060978.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060978.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 74.784 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060978.D

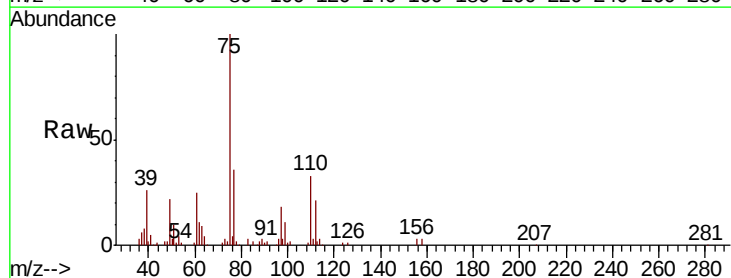
Acq: 15 Apr 2020 21:31

Tgt Ion: 75 Resp: 160824

Ion Ratio Lower Upper

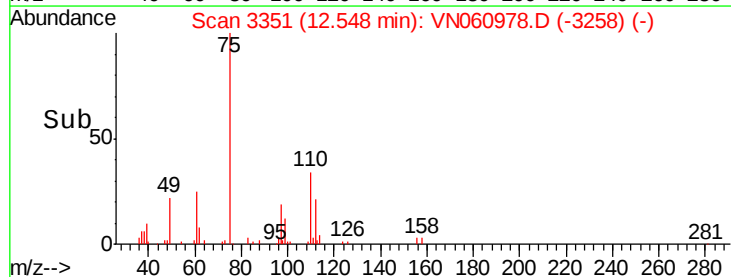
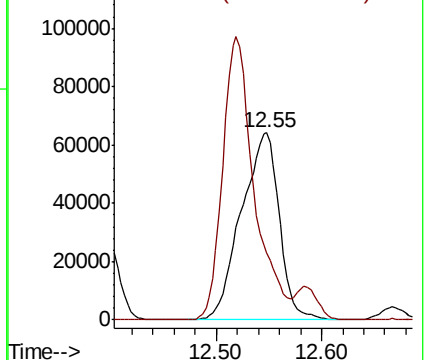
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060978.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060978.D (-3258) (-)





#77

Bromobenzene

Concen: 48.206 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

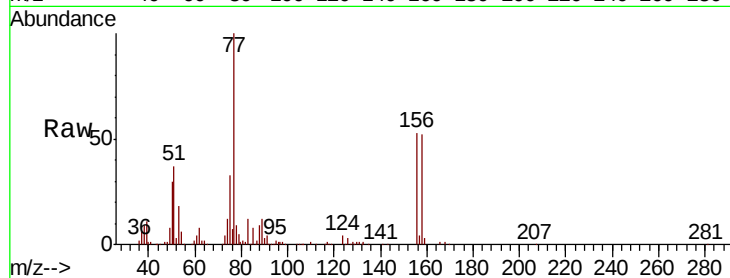
Tot Ion:156 Resp: 86879

Ion Ratio Lower Upper

156 100

77 230.9 112.3 337.0

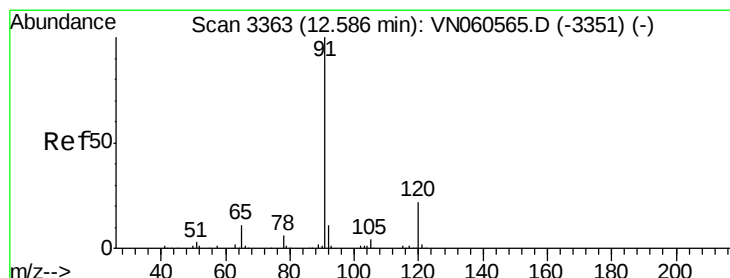
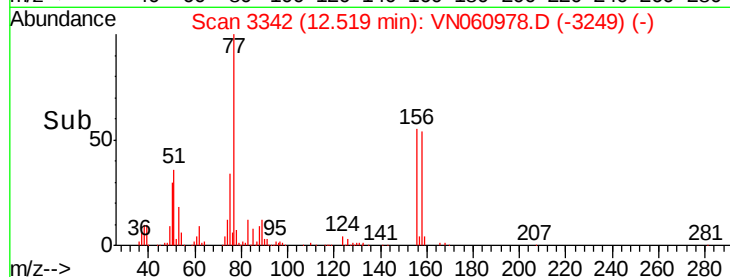
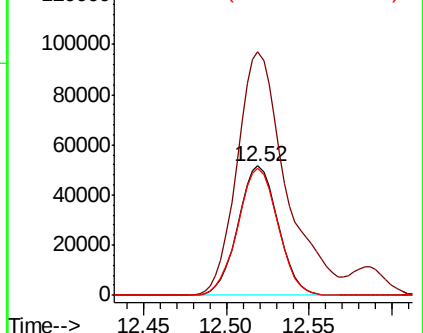
158 98.4 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.743 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN060978.D

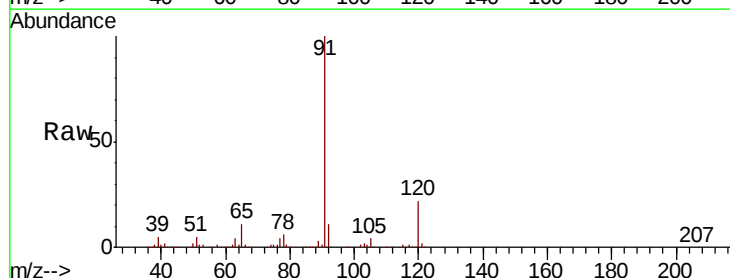
Acq: 15 Apr 2020 21:31

Tgt Ion: 91 Resp: 439538

Ion Ratio Lower Upper

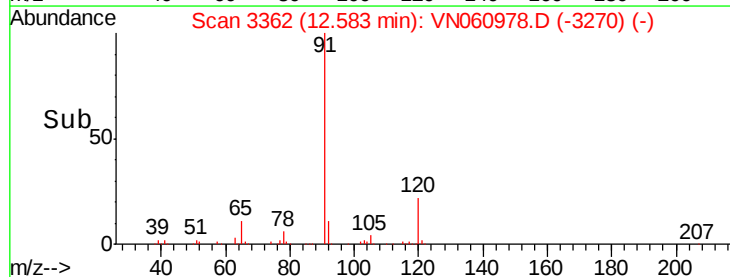
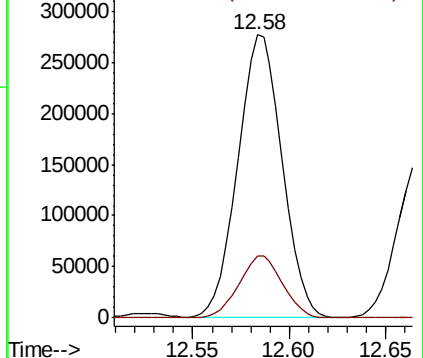
91 100

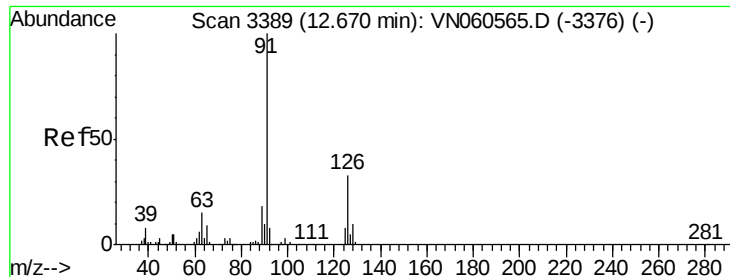
120 21.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.813 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

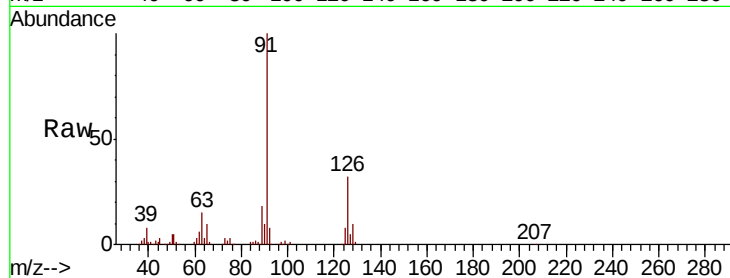
ClientSampleId :

Tot Ion: 91 Resp: 257714

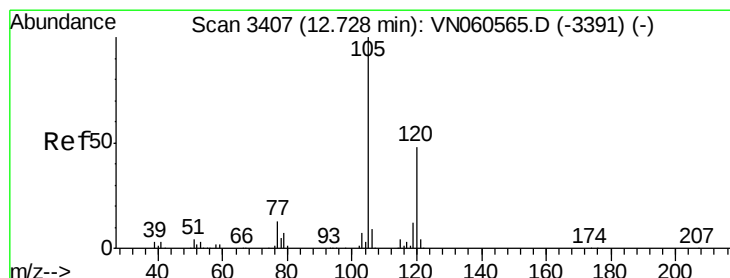
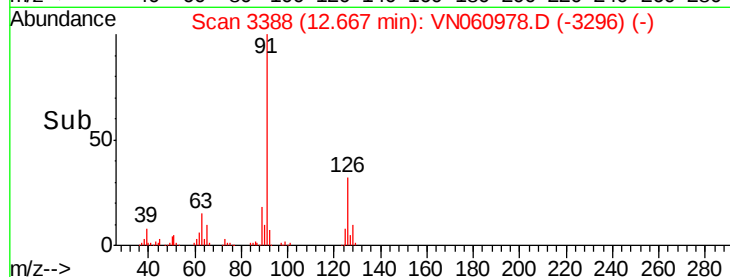
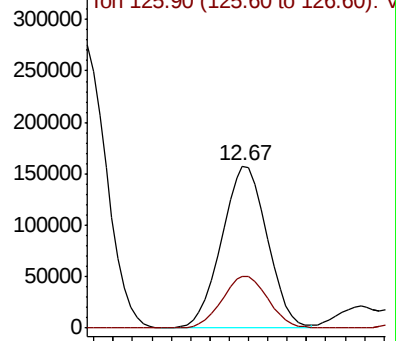
Ion Ratio Lower Upper

91 100

126 32.1 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060978.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.052 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060978.D

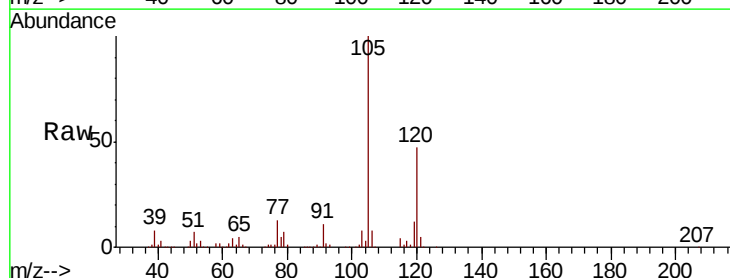
Acq: 15 Apr 2020 21:31

Tgt Ion:105 Resp: 311338

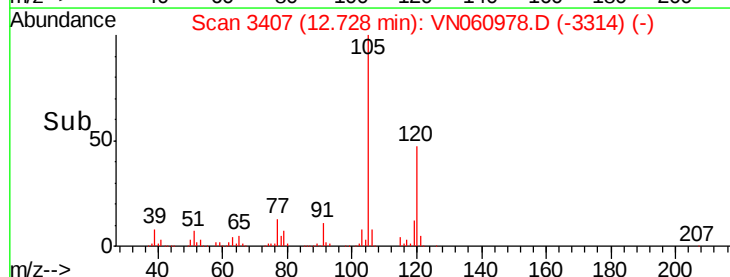
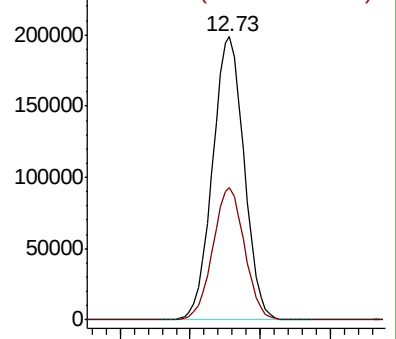
Ion Ratio Lower Upper

105 100

120 46.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060978.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.244 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

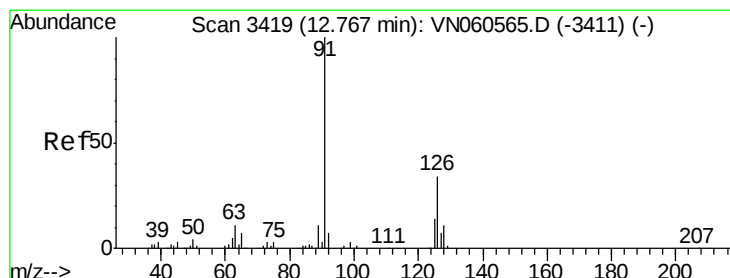
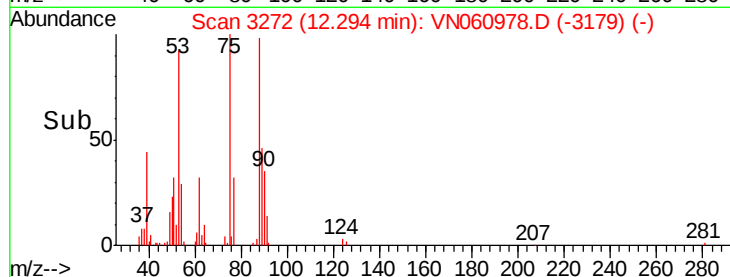
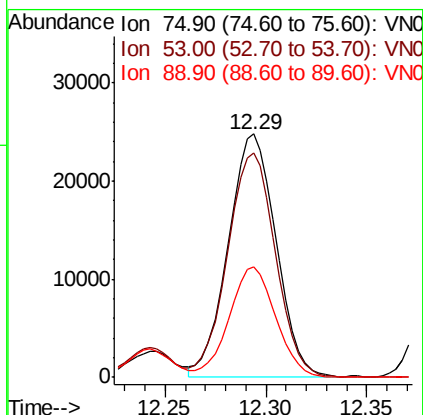
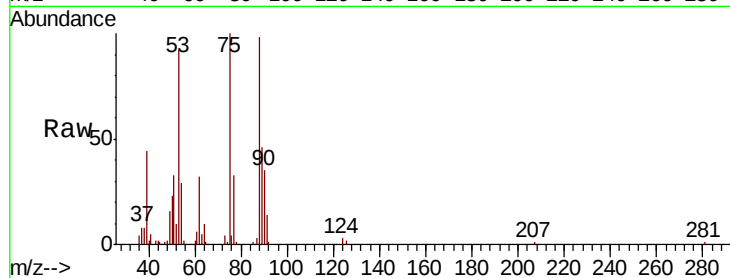
Tot Ion: 75 Resp: 41233

Ion Ratio Lower Upper

75 100

53 92.6 73.0 109.4

89 43.9 34.8 52.2



#82

4-Chlorotoluene

Concen: 49.684 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN060978.D

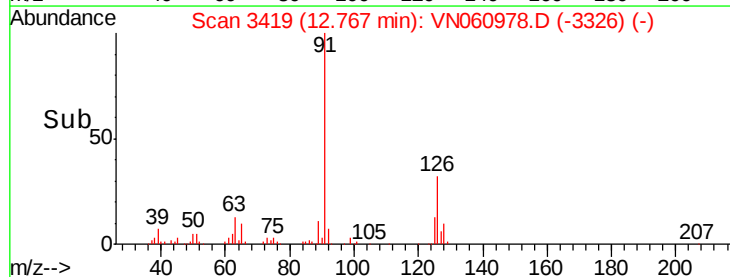
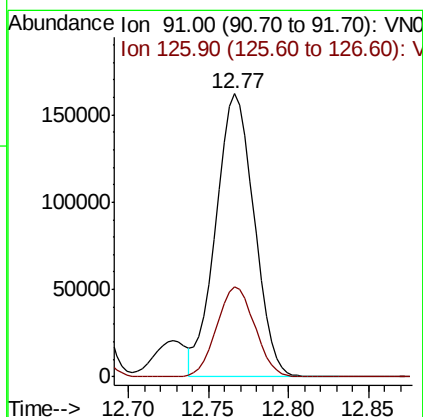
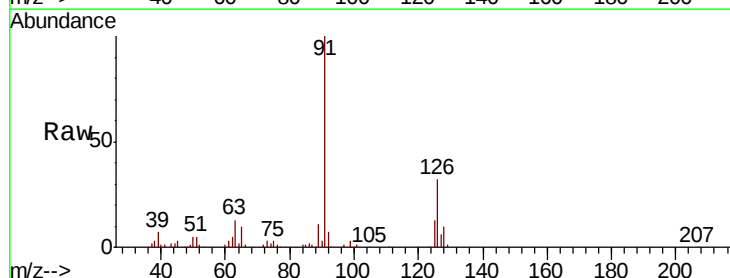
Acq: 15 Apr 2020 21:31

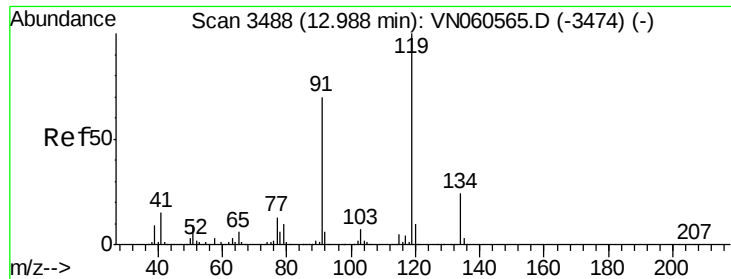
Tgt Ion: 91 Resp: 267165

Ion Ratio Lower Upper

91 100

126 31.5 16.2 48.5

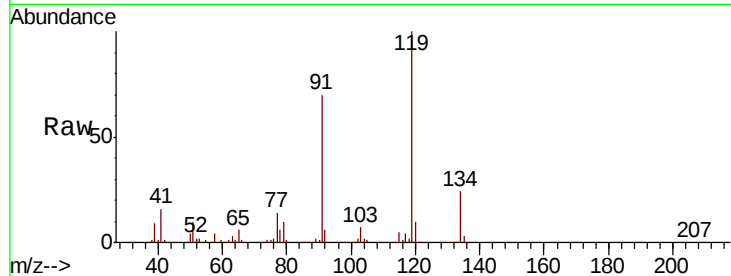




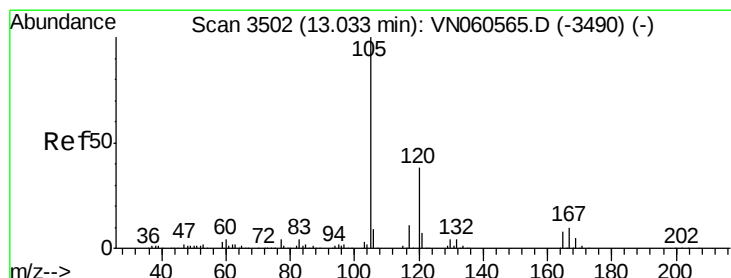
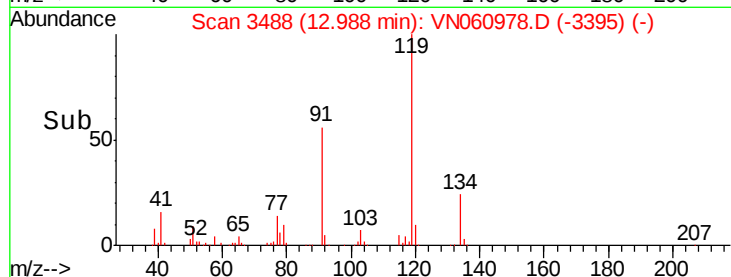
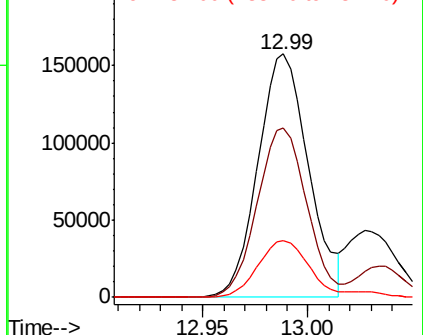
#83
tert-Butylbenzene
Concen: 49.974 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 262939
Ion Ratio Lower Upper
119 100
91 68.7 34.0 101.8
134 25.2 12.7 38.0

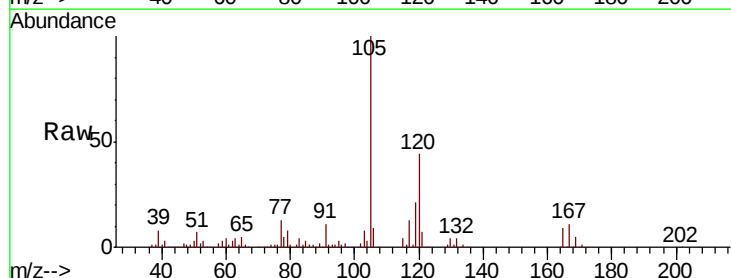


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

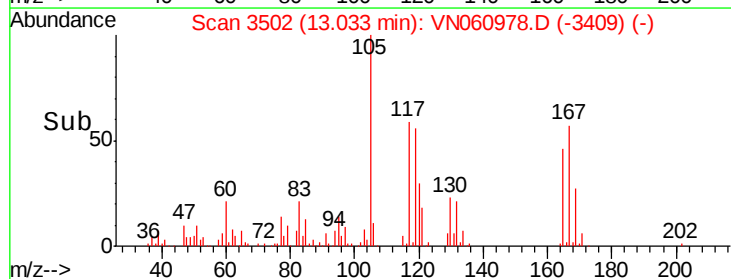
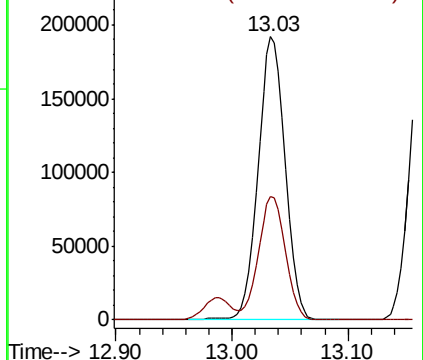


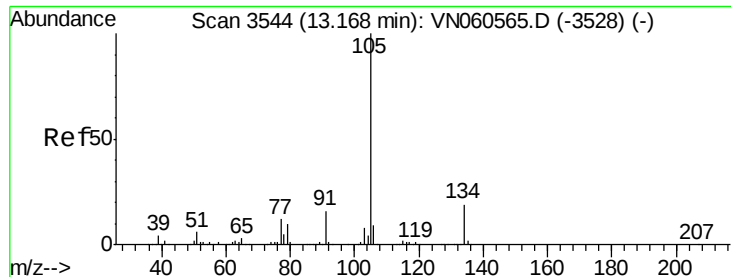
#84
1,2,4-Trimethylbenzene
Concen: 49.589 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion:105 Resp: 311382
Ion Ratio Lower Upper
105 100
120 43.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.614 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

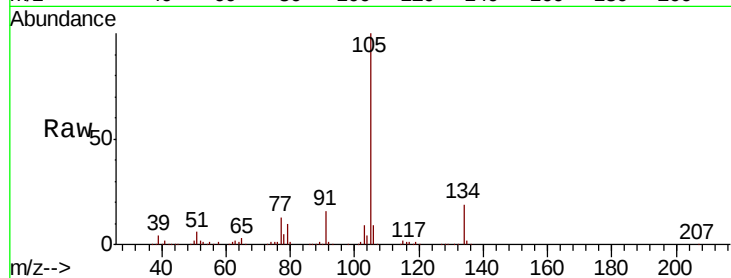
ClientSampleId :

Tot Ion:105 Resp: 358107

Ion Ratio Lower Upper

105 100

134 18.9 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

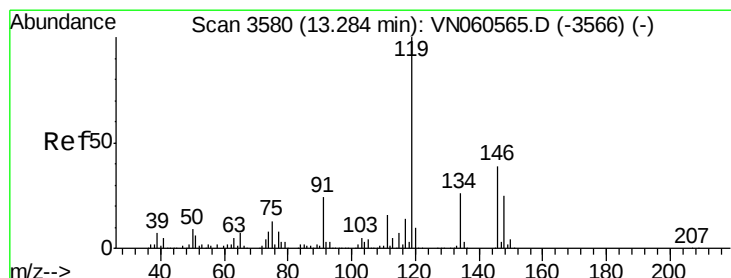
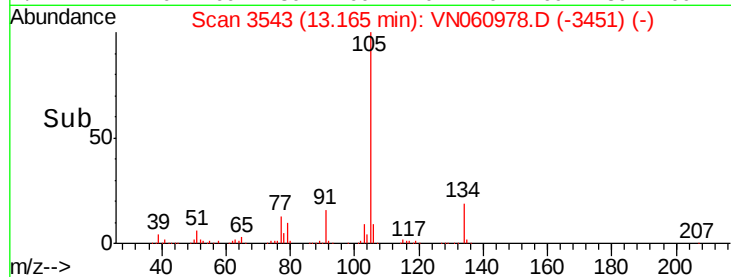
100000

50000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 49.779 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

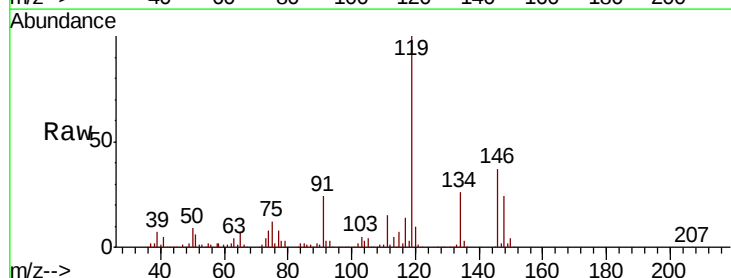
Tgt Ion:119 Resp: 316703

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 24.4 12.0 36.0



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

250000

200000

150000

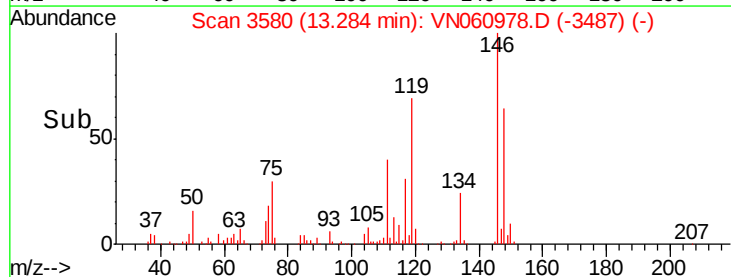
100000

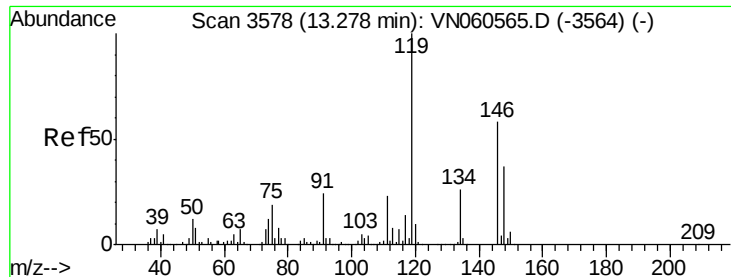
50000

0

13.20 13.25 13.30 13.35

Time-->

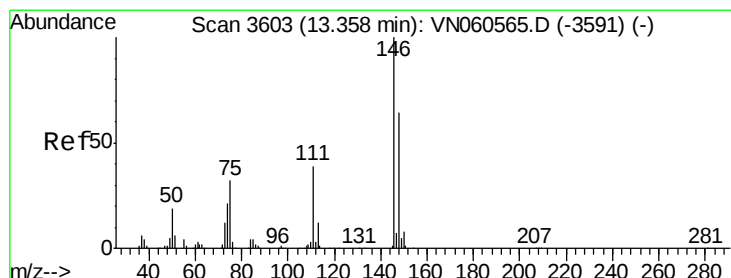
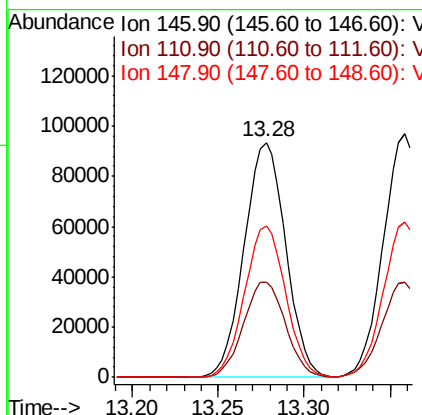
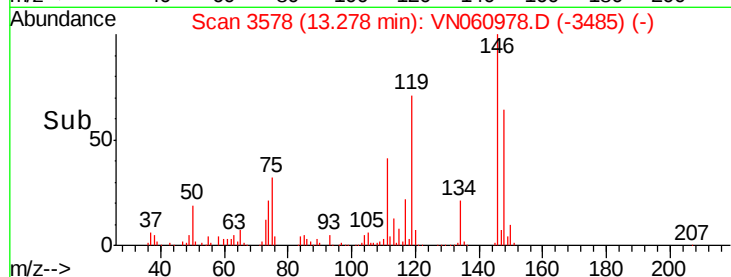
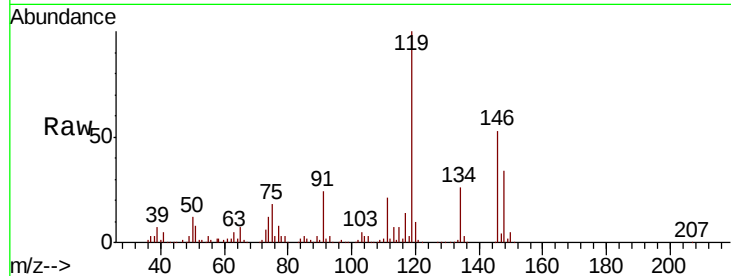




#87
 1,3-Dichlorobenzene
 Concen: 49.373 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

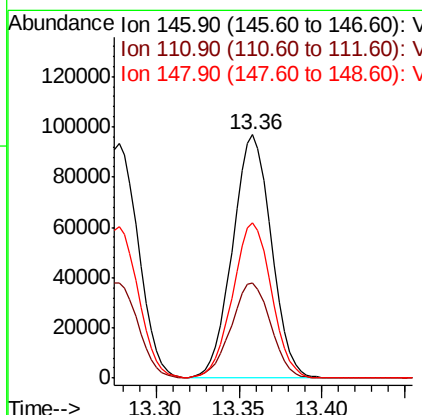
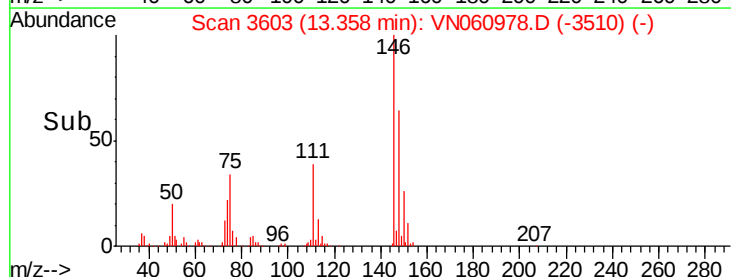
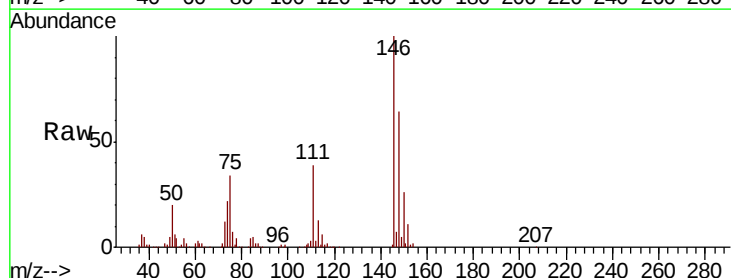
Instrument :
 MSVOA_N
 ClientSampleId :

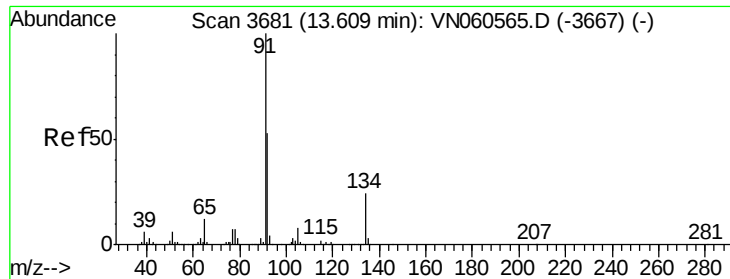
Tot Ion:146 Resp: 156939
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.3 60.8
 148 63.7 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 49.410 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Tgt Ion:146 Resp: 157793
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.6 58.7
 148 63.7 32.1 96.3

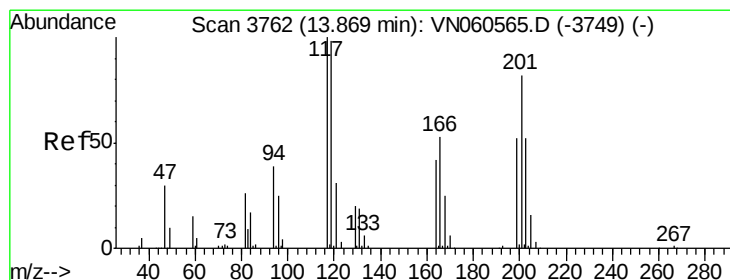
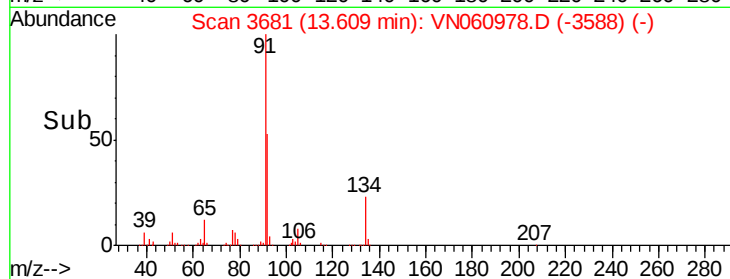
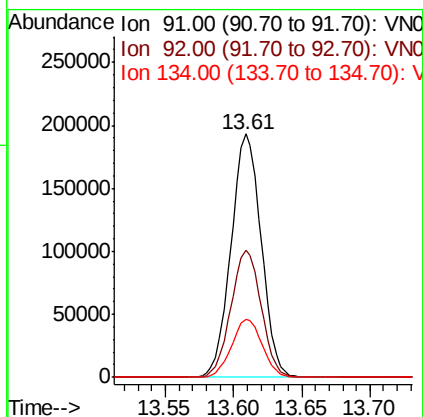
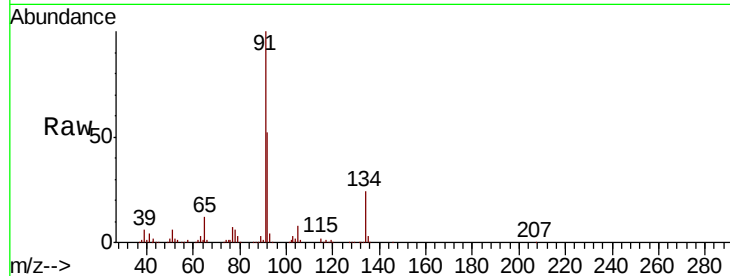




#89
n-Butylbenzene
Concen: 51.661 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

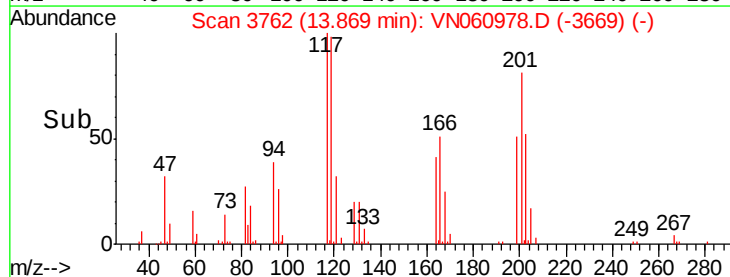
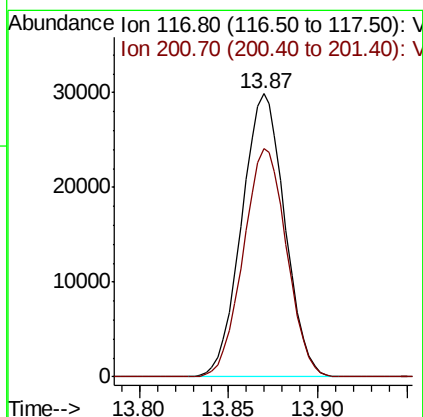
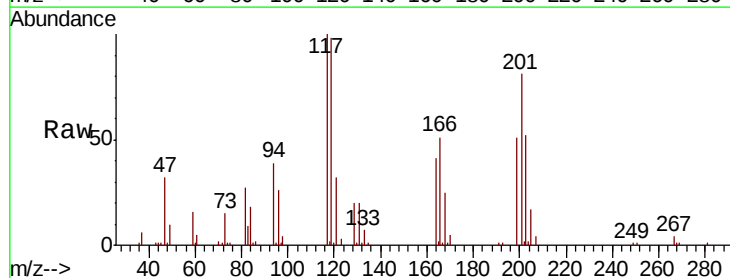
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 296751
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.5
134 24.0 12.3 36.9



#90
Hexachloroethane
Concen: 54.685 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion: 117 Resp: 50573
Ion Ratio Lower Upper
117 100
201 81.0 40.8 122.5

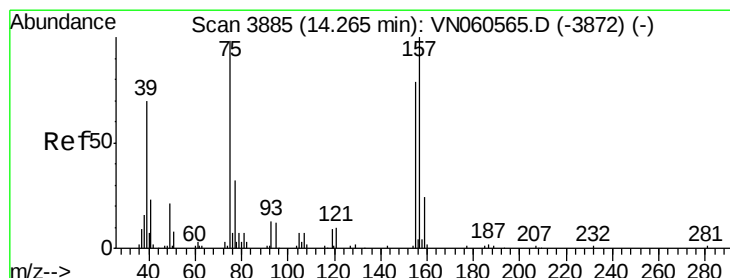
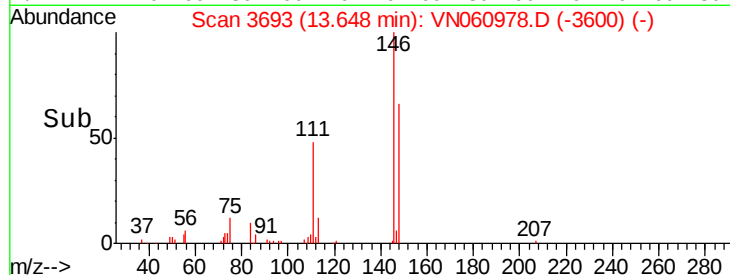
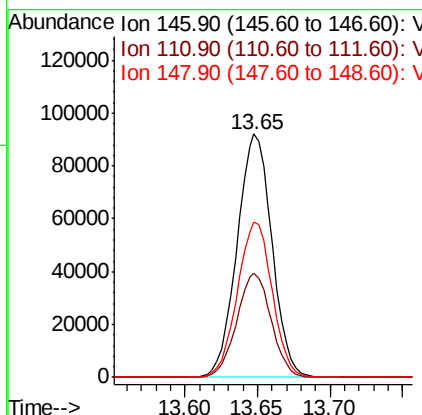
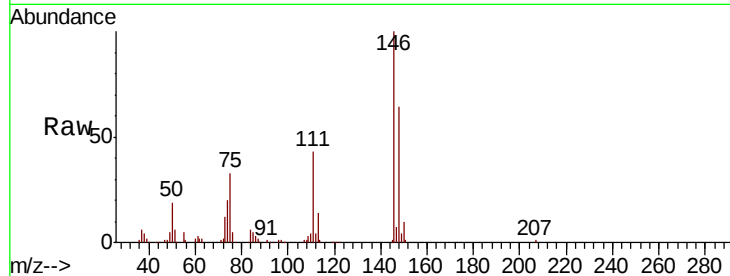




#91
 1,2-Dichlorobenzene
 Concen: 50.548 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

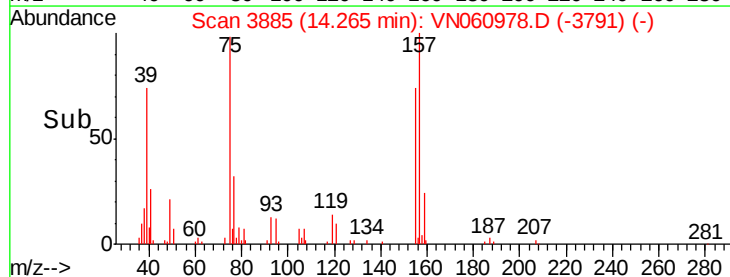
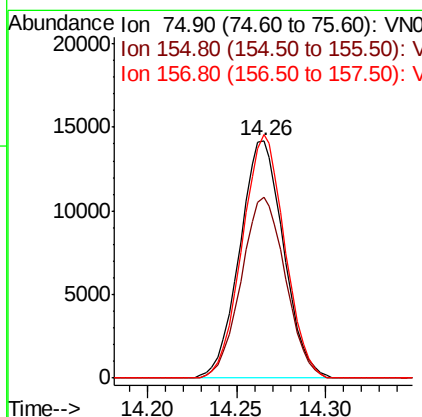
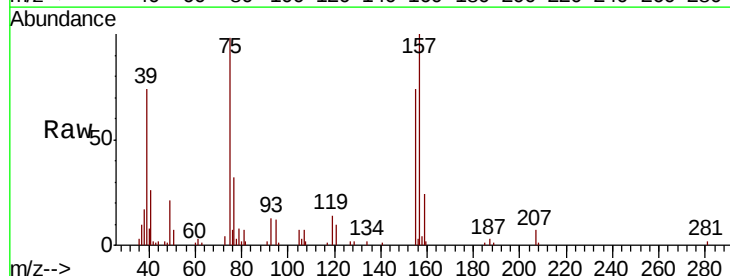
Instrument :
 MSVOA_N
 ClientSampleId :

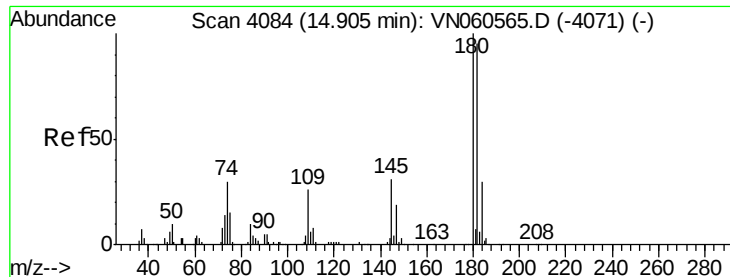
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.0	63.0
148	63.7	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.545 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.7	40.7	122.1
157	99.4	51.5	154.7





#93

1,2,4-Trichlorobenzene

Concen: 51.396 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

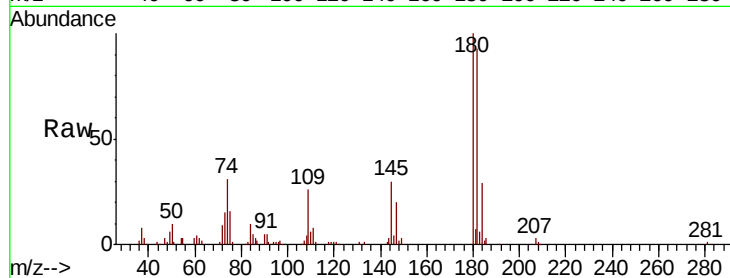
Tot Ion:180 Resp: 95928

Ion Ratio Lower Upper

180 100

182 94.5 47.9 143.8

145 30.4 15.4 46.2

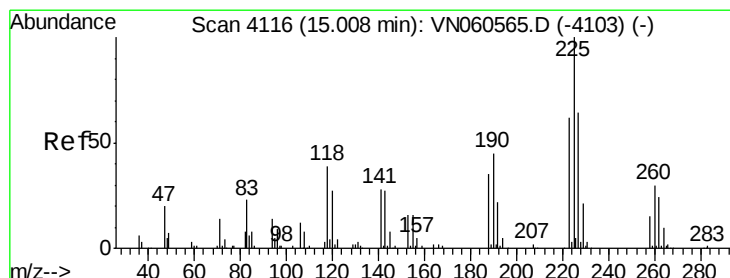
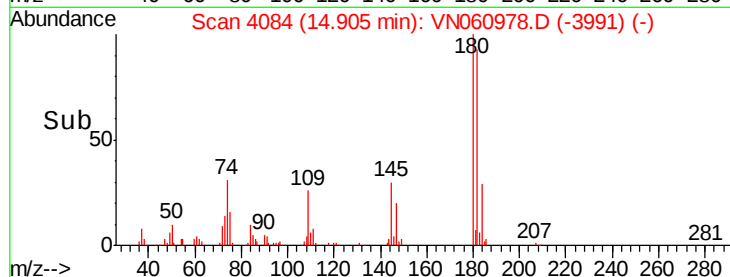
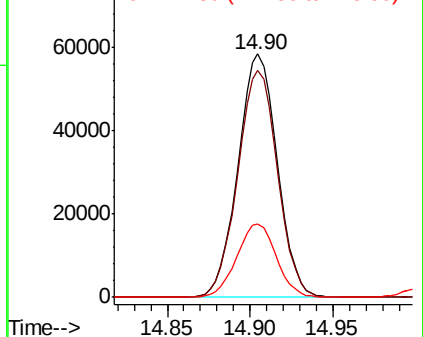


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 49.945 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

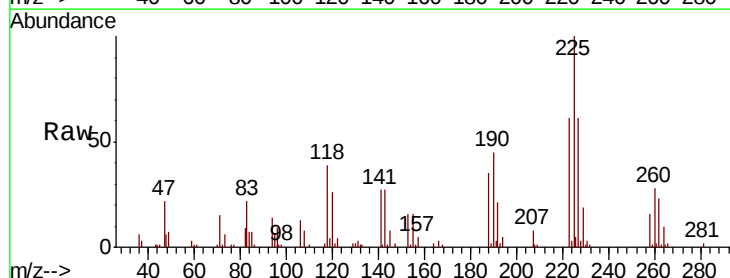
Tgt Ion:225 Resp: 45699

Ion Ratio Lower Upper

225 100

223 63.4 31.6 95.0

227 63.3 32.3 96.8

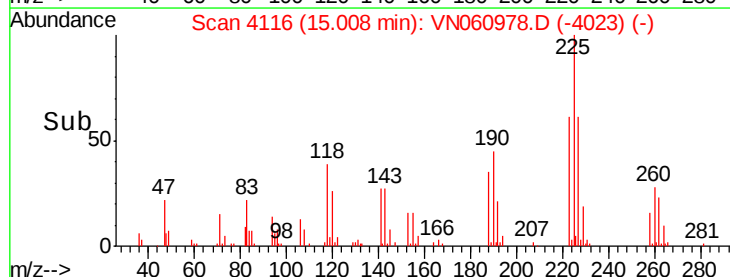
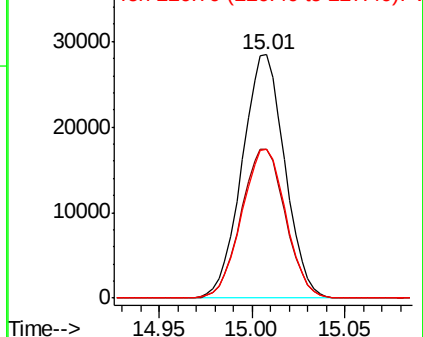


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

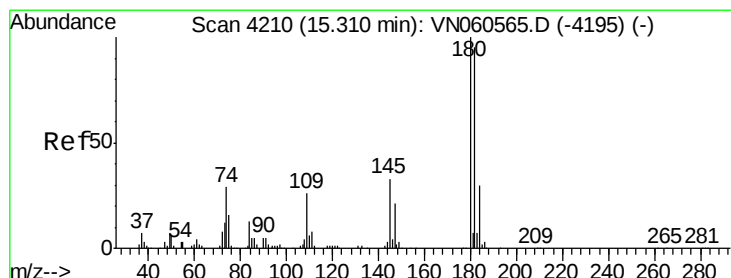
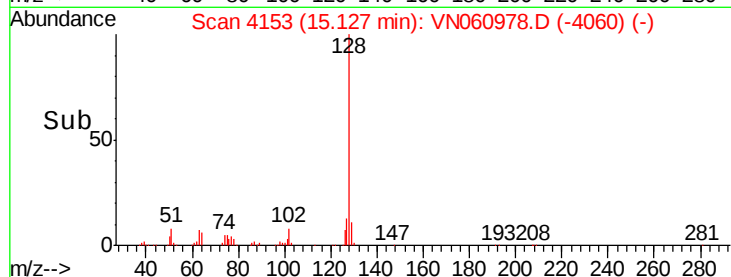
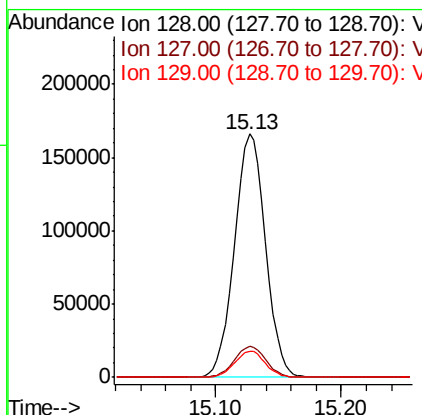
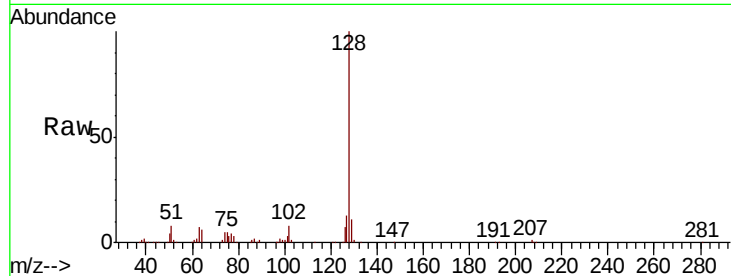




#95
Naphthalene
Concen: 50.880 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.5	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.447 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	32.3	16.3	48.8

