

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061542.D
 Acq On : 28 May 2020 19:19
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 29 01:47:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 01:43:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	400663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	645848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	620589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	322002	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	466421	80.55	ug/l	0.00
Spiked Amount			Recovery	=	161.10%	
35) Dibromofluoromethane	7.55	113	313772	92.25	ug/l	0.00
Spiked Amount			Recovery	=	184.50%	
50) Toluene-d8	10.06	98	1589674	101.04	ug/l	0.00
Spiked Amount			Recovery	=	202.08%	
62) 4-Bromofluorobenzene	12.38	95	581582	100.04	ug/l	0.00
Spiked Amount			Recovery	=	200.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	469767	133.606	ug/l	98
3) Chloromethane	2.03	50	470856	87.348	ug/l	100
4) Vinyl Chloride	2.16	62	664620	87.365	ug/l	99
5) Bromomethane	2.52	94	369575	87.540	ug/l	99
6) Chloroethane	2.66	64	408351	80.172	ug/l	99
7) Trichlorofluoromethane	2.98	101	814066	87.236	ug/l	100
8) Diethyl Ether	3.37	74	247759	91.002	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	364579	93.814	ug/l	99
10) Methyl Iodide	3.91	142	528473	107.618	ug/l	100
11) Tert butyl alcohol	4.73	59	307762	459.111	ug/l	99
12) 1,1-Dichloroethene	3.69	96	385747	94.135	ug/l	96
13) Acrolein	3.56	56	88275	184.830	ug/l	98
14) Allyl chloride	4.27	41	506082	79.091	ug/l	99
15) Acrylonitrile	4.93	53	880916	442.857	ug/l	99
16) Acetone	3.77	43	637731	359.187	ug/l	100
17) Carbon Disulfide	4.01	76	812007	80.733	ug/l	98
18) Methyl Acetate	4.27	43	404736	88.509	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	1320640	86.607	ug/l	98
20) Methylene Chloride	4.50	84	428831	88.493	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	435157	93.142	ug/l	97
22) Diisopropyl ether	5.90	45	1135850	78.736	ug/l	98
23) Vinyl Acetate	5.84	43	4519583	394.067	ug/l	98
24) 1,1-Dichloroethane	5.80	63	708191	83.403	ug/l	99
25) 2-Butanone	6.78	43	1072965	407.293	ug/l	99
26) 2,2-Dichloropropane	6.77	77	618225	76.815	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	505838	91.785	ug/l	100
28) Bromochloromethane	7.15	49	275185	78.368	ug/l	98
29) Tetrahydrofuran	7.17	42	720101	412.760	ug/l	100
30) Chloroform	7.33	83	788884	88.464	ug/l	99
31) Cyclohexane	7.61	56	626434	77.603	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	728610	89.305	ug/l	100
36) 1,1-Dichloropropene	7.75	75	579912	97.456	ug/l	100
37) Ethyl Acetate	6.88	43	473649	87.952	ug/l	99
38) Carbon Tetrachloride	7.73	117	598867	108.780	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	728515	100.002	ug/l	98
40) Benzene	8.00	78	1769636	98.506	ug/l	100
41) Methacrylonitrile	7.13	41	213671	96.502	ug/l #	87
42) 1,2-Dichloroethane	8.09	62	584928	91.331	ug/l	99
43) Isopropyl Acetate	8.13	43	830001	89.052	ug/l	99
44) Trichloroethene	8.80	130	556770	114.579	ug/l	96
45) 1,2-Dichloropropane	9.08	63	418891	93.845	ug/l	99
46) Dibromomethane	9.18	93	317866	100.142	ug/l	97
47) Bromodichloromethane	9.37	83	651944	98.519	ug/l	99
48) Methyl methacrylate	9.17	41	368035	85.992	ug/l	100
49) 1,4-Dioxane	9.17	88	112112	2092.047	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	2373231	466.654	ug/l	99
52) Toluene	10.12	92	1187051	102.567	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	719926	99.722	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	752930	97.578	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	464602	105.795	ug/l	98
56) Ethyl methacrylate	10.40	69	685369	101.064	ug/l	100
57) 1,3-Dichloropropane	10.68	76	738498	98.270	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	1498269	503.672	ug/l	100
59) 2-Hexanone	10.72	43	1743071	474.009	ug/l	99
60) Dibromochloromethane	10.88	129	562202	114.818	ug/l	99
61) 1,2-Dibromoethane	10.98	107	498846	107.747	ug/l	100
64) Tetrachloroethene	10.60	164	601689	121.511	ug/l	98
65) Chlorobenzene	11.41	112	1303739	103.318	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	486762	106.926	ug/l	99
67) Ethyl Benzene	11.48	91	2238228	98.354	ug/l	98
68) m/p-Xylenes	11.60	106	1801169	207.090	ug/l	96
69) o-Xylene	11.92	106	868490	103.169	ug/l	98
70) Styrene	11.94	104	1488411	106.977	ug/l	99
71) Bromoform	12.10	173	407708	125.228	ug/l #	99
73) Isopropylbenzene	12.22	105	2247538	88.821	ug/l	99
74) N-amyl acetate	12.04	43	760707	83.478	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	616579	88.495	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	822681	122.727	ug/l #	100
77) Bromobenzene	12.50	156	592897	105.108	ug/l	99
78) n-propylbenzene	12.57	91	2523098	88.030	ug/l	99
79) 2-Chlorotoluene	12.65	91	1489599	87.608	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1909659	92.095	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	228808	89.825	ug/l	99
82) 4-Chlorotoluene	12.75	91	1585007	90.054	ug/l	100
83) tert-Butylbenzene	12.97	119	1659384	93.155	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	1912689	92.184	ug/l	97
85) sec-Butylbenzene	13.15	105	2176002	90.952	ug/l	100
86) p-Isopropyltoluene	13.26	119	2036043	95.261	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	1063328	103.840	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1076278	104.979	ug/l	99
89) n-Butylbenzene	13.59	91	1727400	90.136	ug/l	100
90) Hexachloroethane	13.85	117	232485	83.420	ug/l	93
91) 1,2-Dichlorobenzene	13.63	146	1009278	102.736	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	123677	87.860	ug/l	95

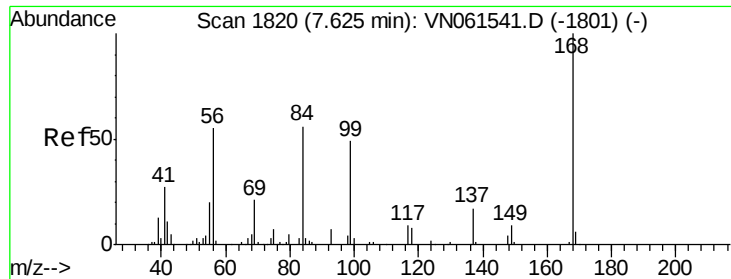
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	634616	118.035	ug/l	100
94) Hexachlorobutadiene	14.99	225	251133	106.152	ug/l	99
95) Naphthalene	15.10	128	1932890	113.441	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	616190	114.740	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

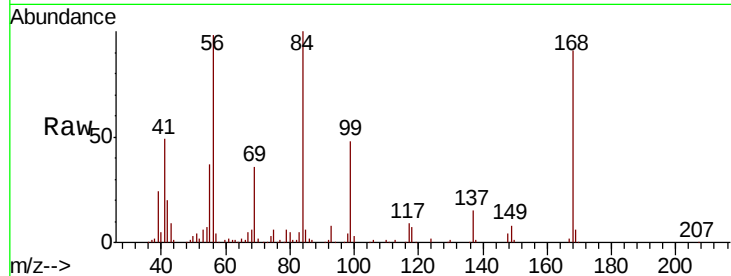
ClientSampled :

Tot Ion:168 Resp: 400663

Ion Ratio Lower Upper

168 100

99 52.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VN061541.D (-1801) (-)

Ion 98.90 (98.60 to 99.60): VN061541.D (-1801) (-)

7.63

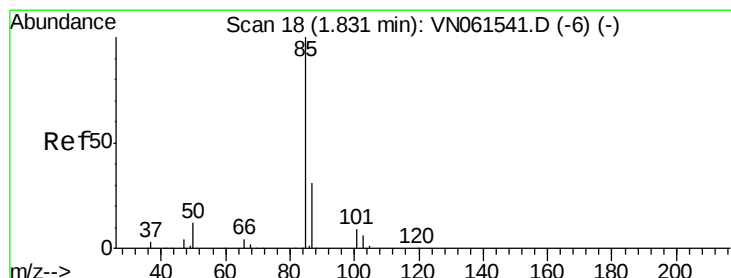
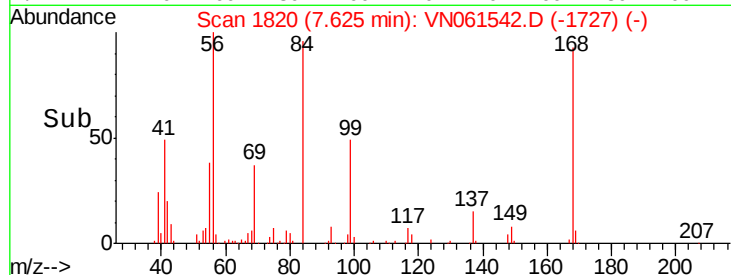
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 133.606 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061542.D

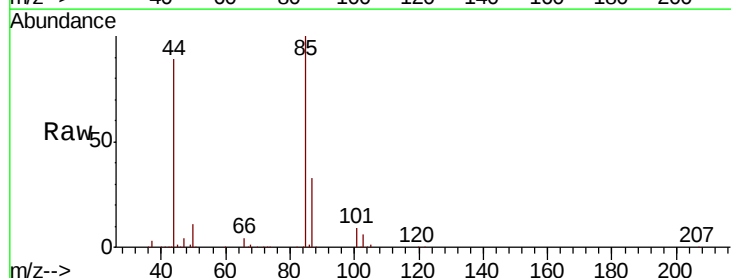
Acq: 28 May 2020 19:19

Tgt Ion: 85 Resp: 469767

Ion Ratio Lower Upper

85 100

87 32.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN061541.D (-6) (-)

Ion 86.90 (86.60 to 87.60): VN061541.D (-6) (-)

1.83

400000

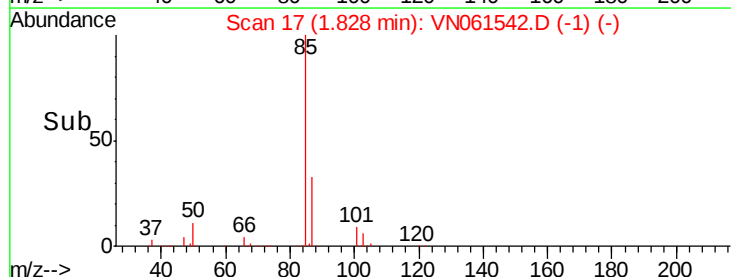
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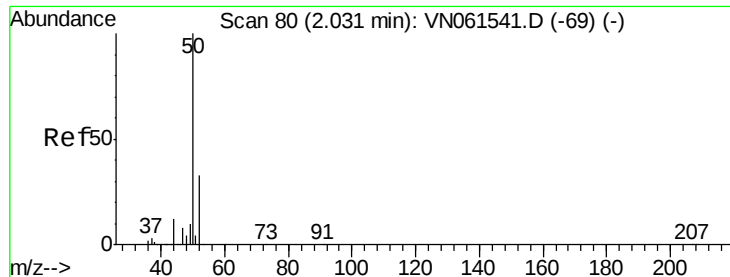
200000

100000

0

Time-->





#3

Chloromethane

Concen: 87.348 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

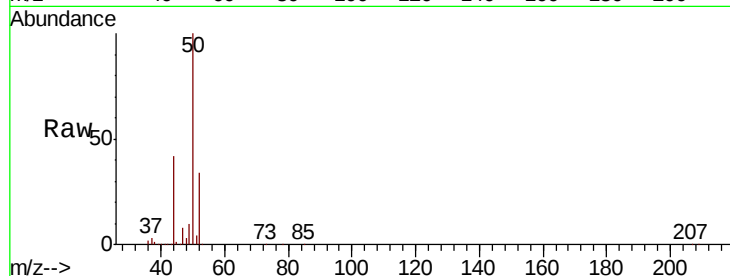
ClientSampleId :

Tot Ion: 50 Resp: 470856

Ion Ratio Lower Upper

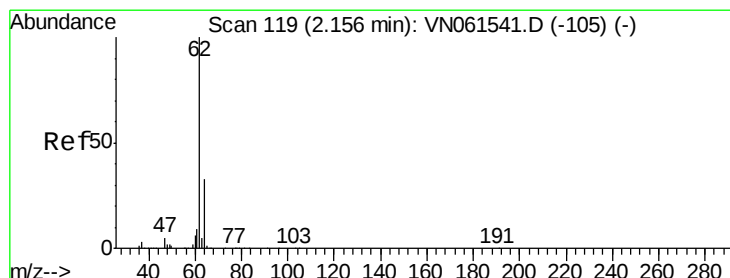
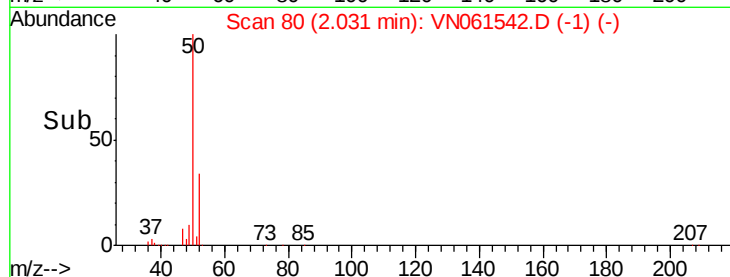
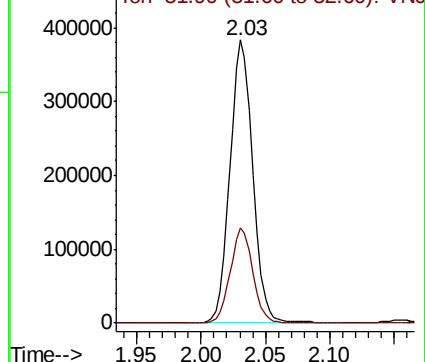
50 100

52 33.5 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 87.365 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061542.D

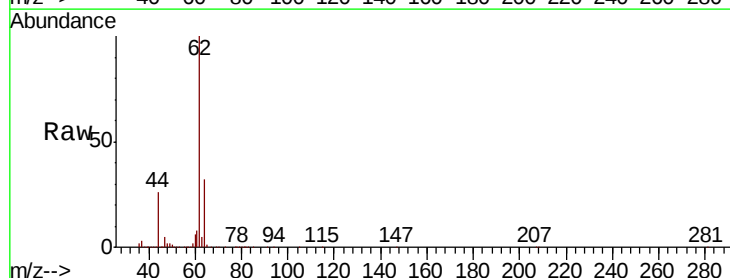
Acq: 28 May 2020 19:19

Tgt Ion: 62 Resp: 664620

Ion Ratio Lower Upper

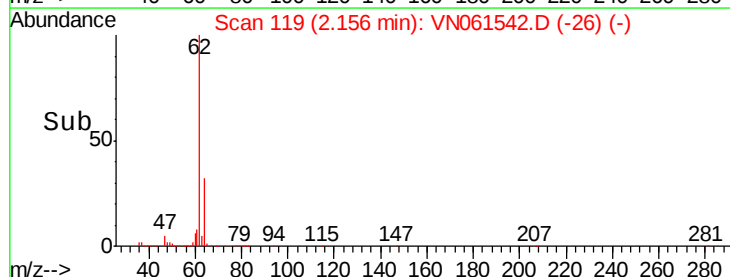
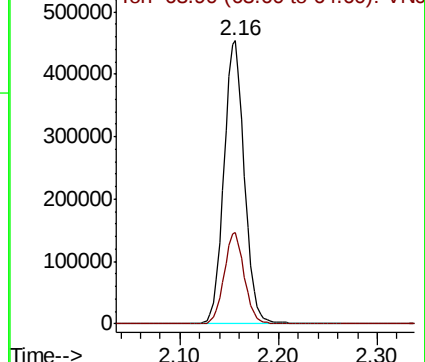
62 100

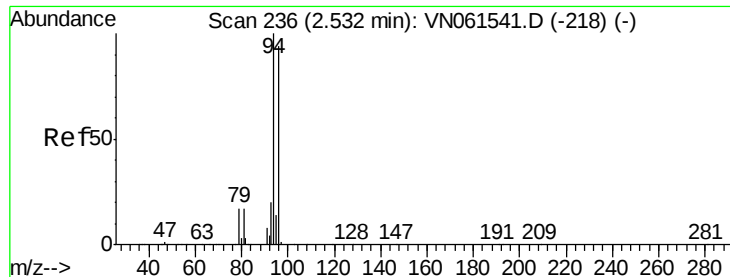
64 32.1 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 87.540 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.02 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

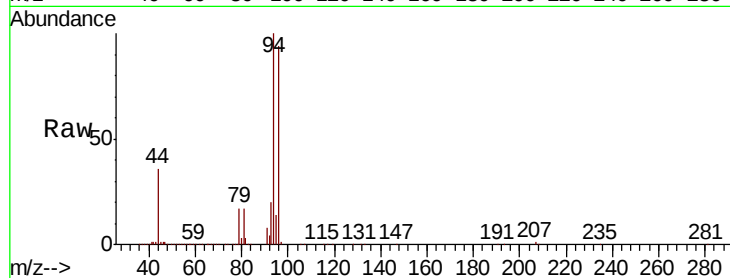
ClientSampleId :

Tot Ion: 94 Resp: 369575

Ion Ratio Lower Upper

94 100

96 94.3 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

200000

150000

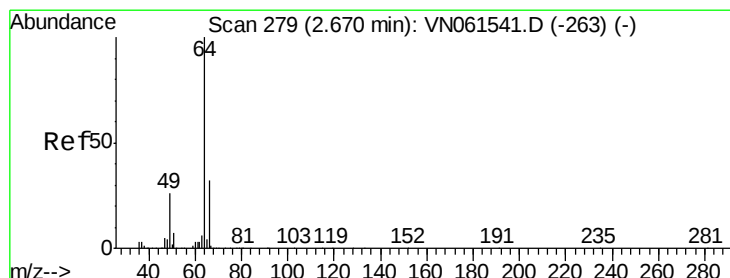
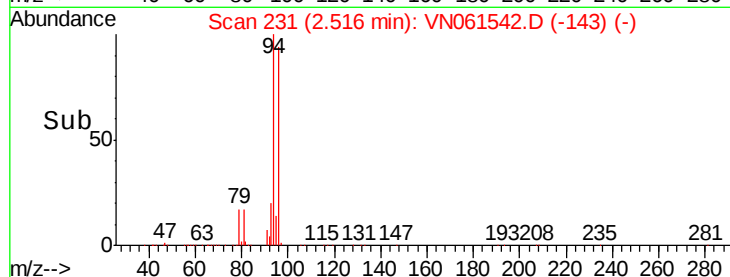
100000

50000

0

Time-->

2.40 2.50 2.60 2.70



#6

Chloroethane

Concen: 80.172 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.01 min

Lab File: VN061542.D

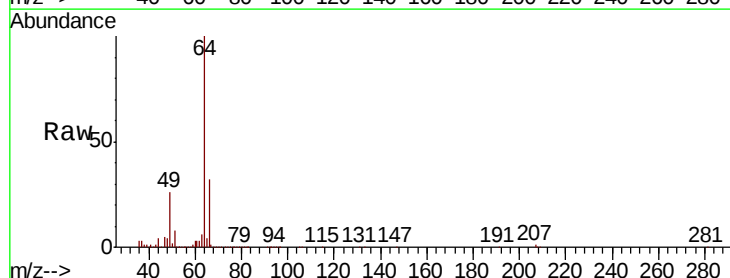
Acq: 28 May 2020 19:19

Tgt Ion: 64 Resp: 408351

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.66

200000

150000

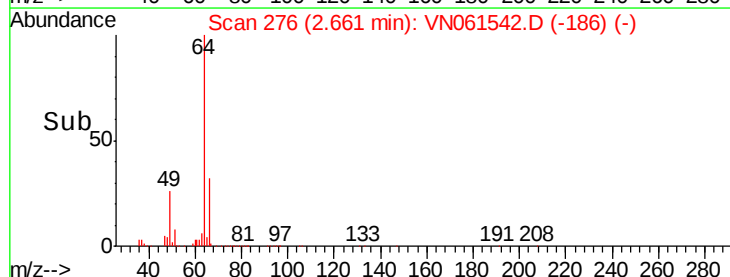
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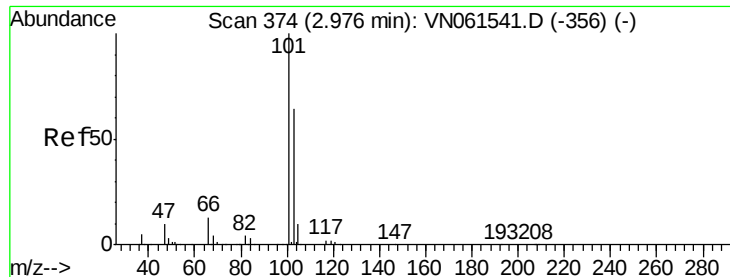
50000

0

Time-->

2.60 2.70 2.80



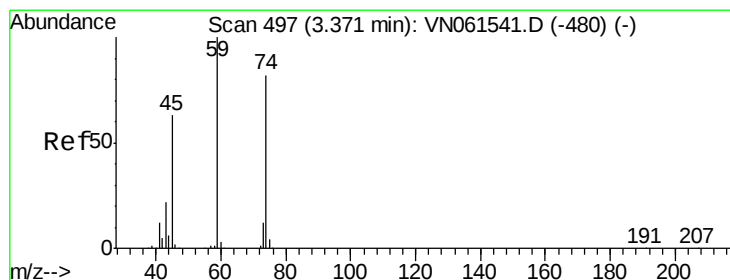
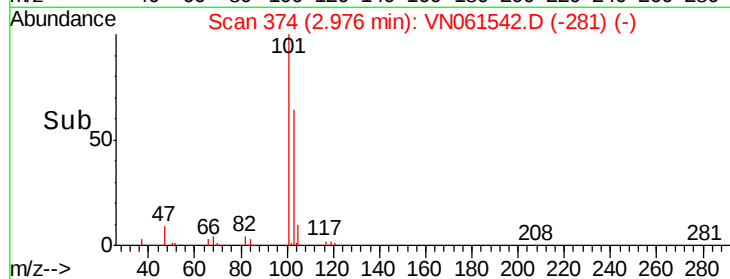
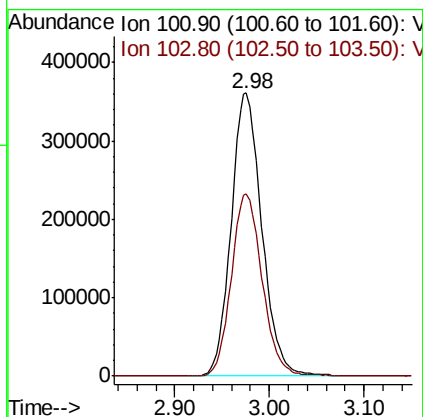
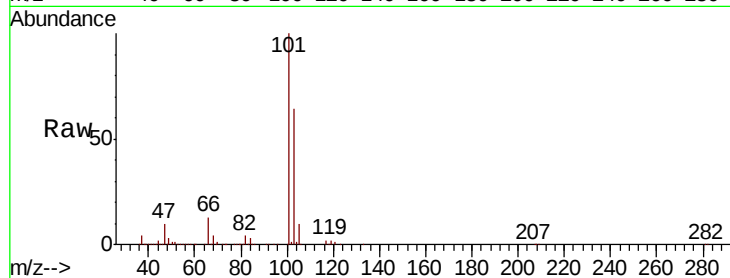


#7

Trichlorofluoromethane
 Concen: 87.236 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Instrument :
 MSVOA_N
 ClientSampled :

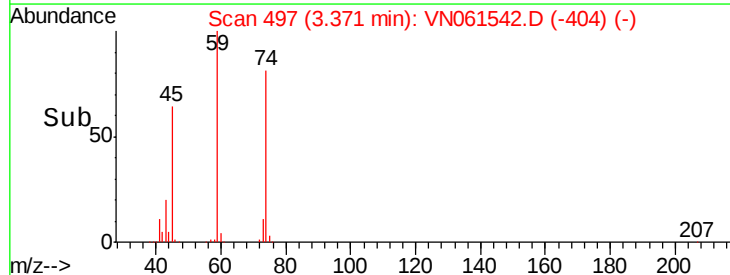
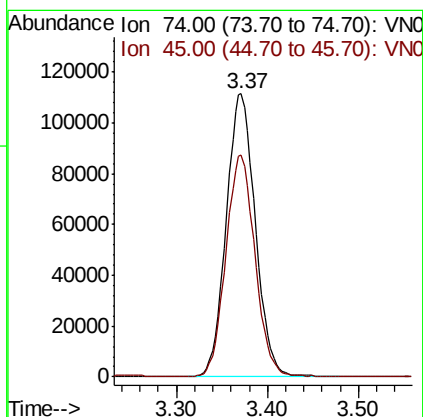
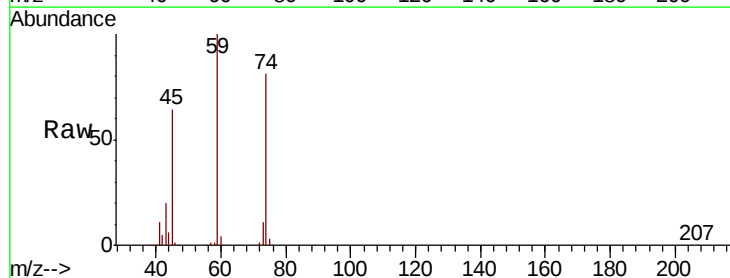
Tot Ion: 101 Resp: 814066
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.2

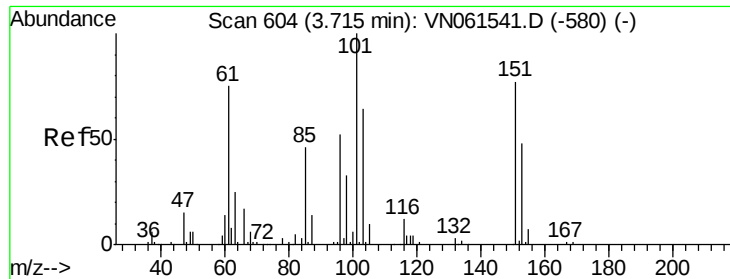


#8

Diethyl Ether
 Concen: 91.002 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion: 74 Resp: 247759
 Ion Ratio Lower Upper
 74 100
 45 77.9 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.814 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

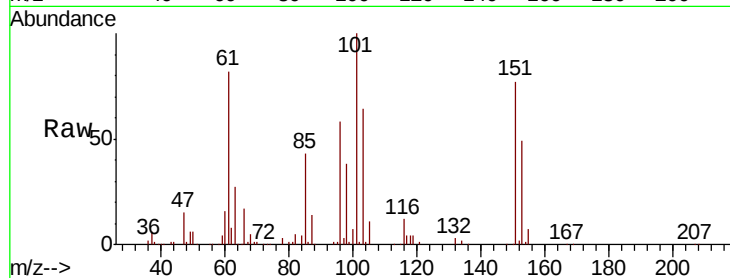
Tot Ion:101 Resp: 364579

Ion Ratio Lower Upper

101 100

85 43.5 35.2 52.8

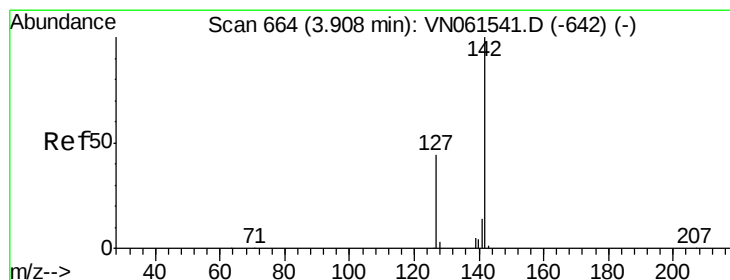
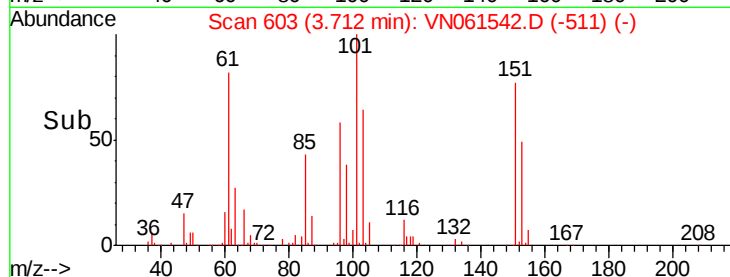
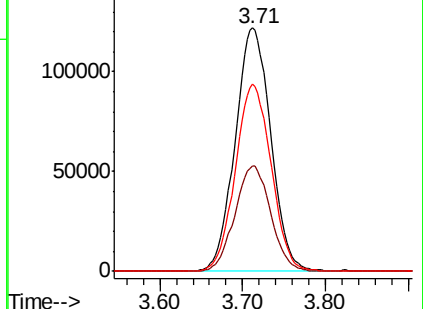
151 77.3 61.0 91.6



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: 107.618 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

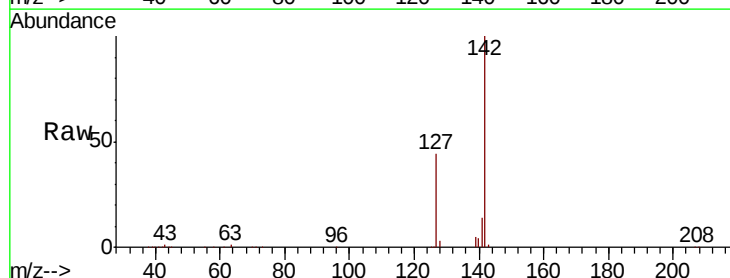
Tgt Ion:142 Resp: 528473

Ion Ratio Lower Upper

142 100

127 44.3 35.5 53.3

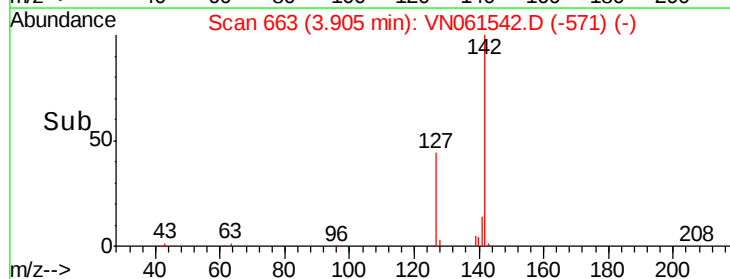
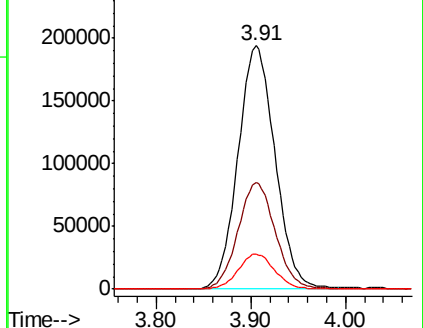
141 14.2 11.5 17.3

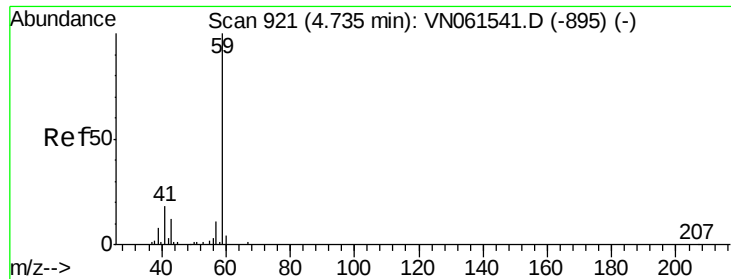


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

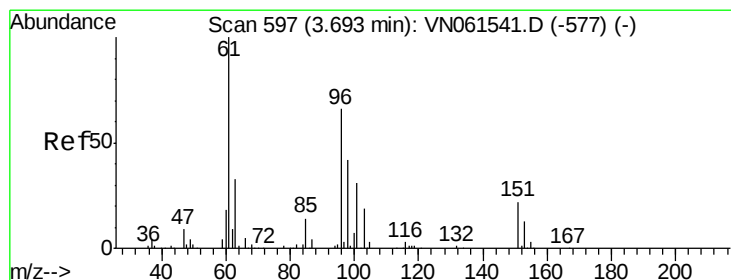
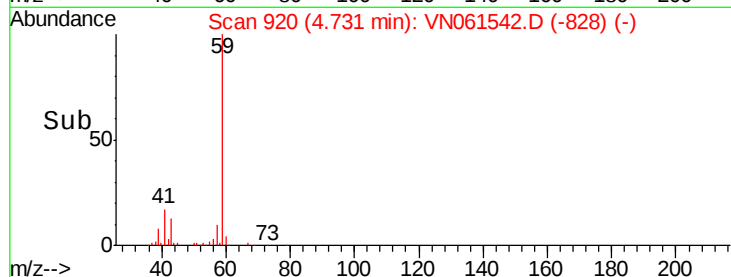
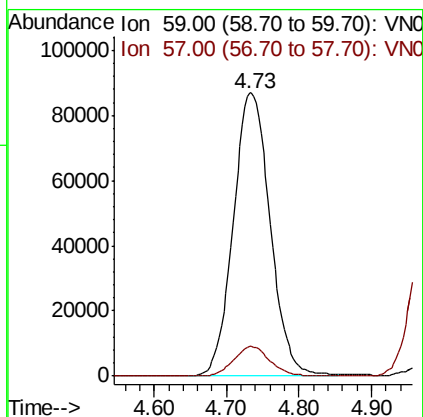
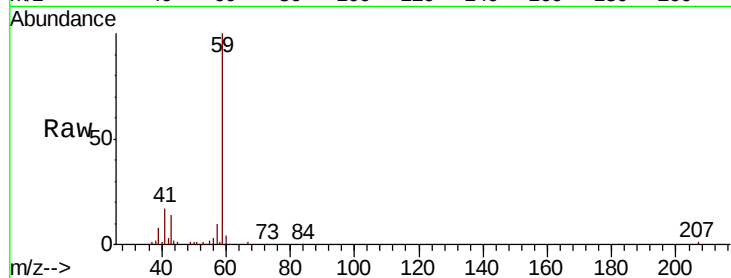




#11
Tert butyl alcohol
Concen: 459.111 ug/l
RT: 4.73 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

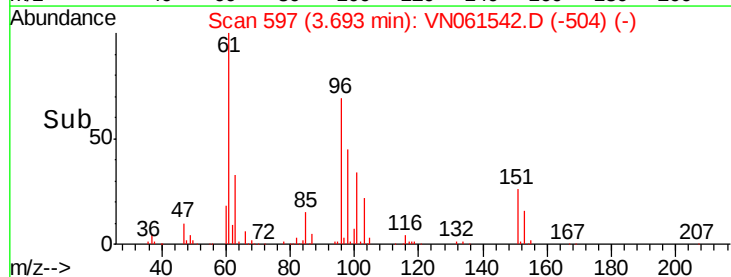
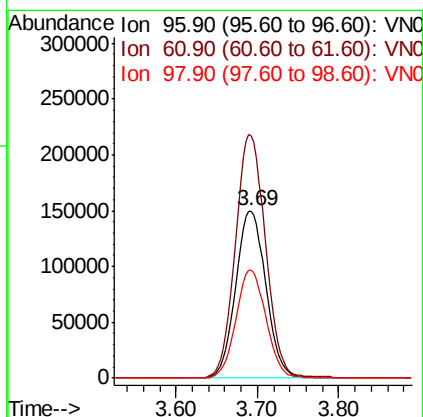
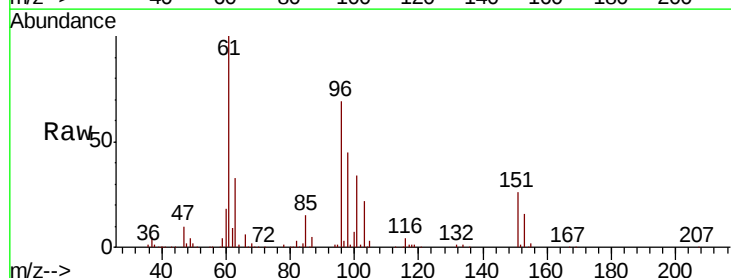
Instrument :
MSVOA_N
ClientSampled :

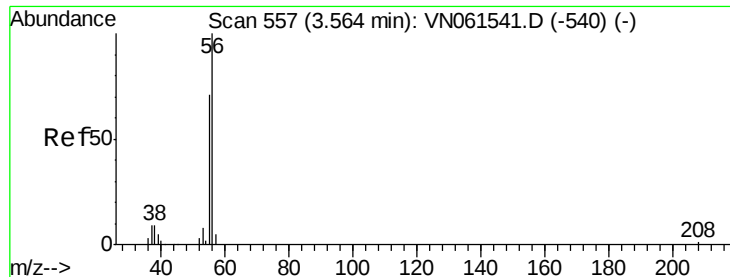
Tot Ion: 59 Resp: 307762
Ion Ratio Lower Upper
59 100
57 10.3 8.4 12.6



#12
1,1-Dichloroethene
Concen: 94.135 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion: 96 Resp: 385747
Ion Ratio Lower Upper
96 100
61 144.9 120.5 180.7
98 64.5 50.8 76.2





#13

Acrolein

Concen: 184.830 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

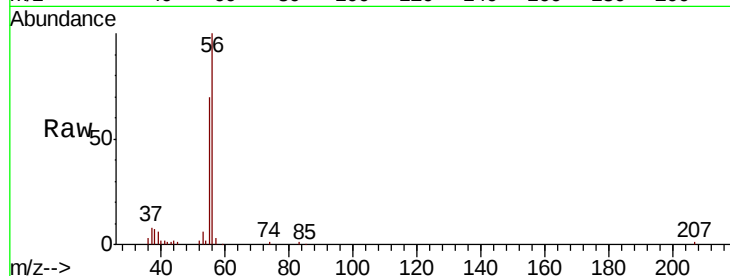
ClientSampleId :

Tot Ion: 56 Resp: 88275

Ion Ratio Lower Upper

56 100

55 70.8 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN061542.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061542.D (-540) (-)

3.56

40000

30000

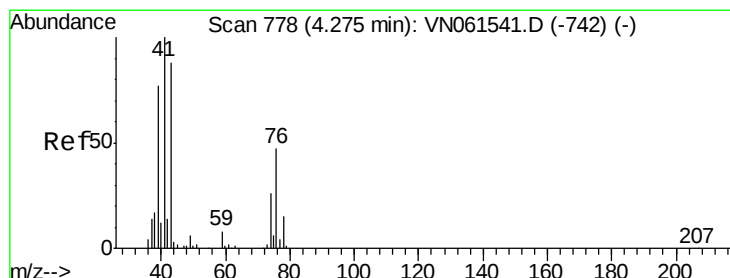
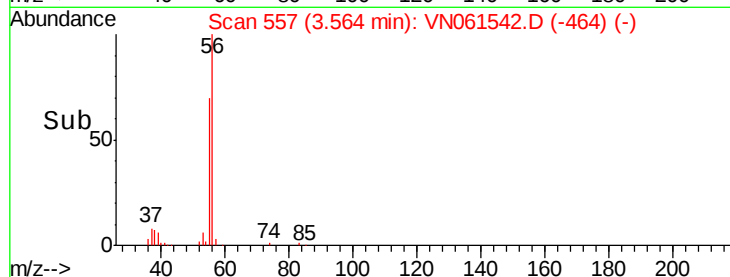
20000

10000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 79.091 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

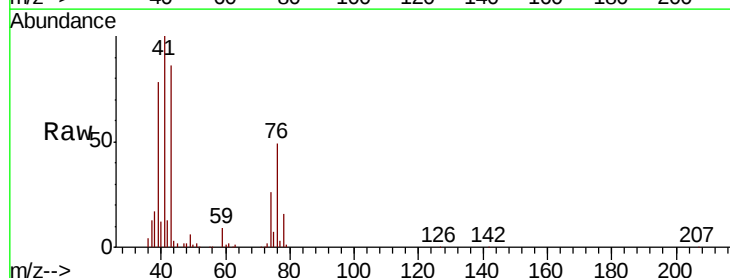
Tgt Ion: 41 Resp: 506082

Ion Ratio Lower Upper

41 100

39 72.7 58.6 88.0

76 43.8 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN061542.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN061542.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061542.D (-685) (-)

4.27

200000

150000

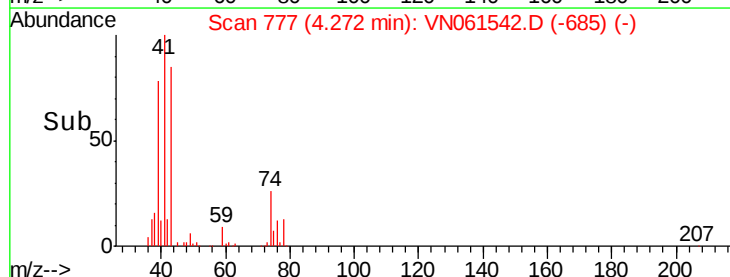
100000

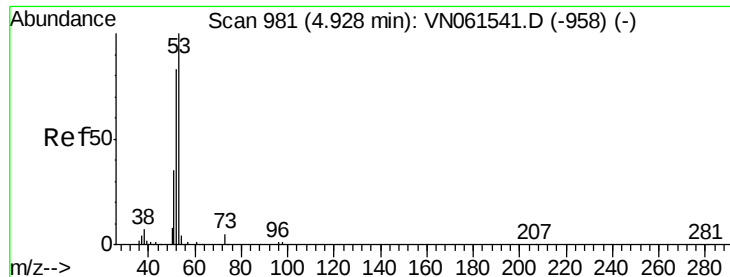
50000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 442.857 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

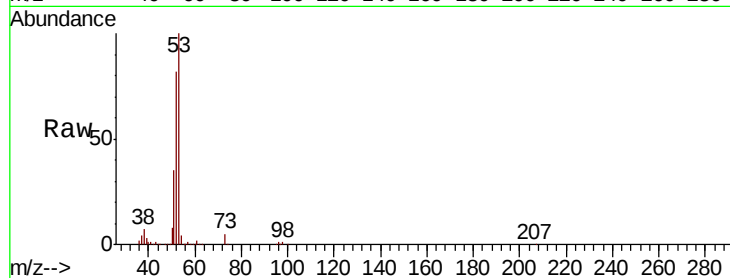
Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 880916

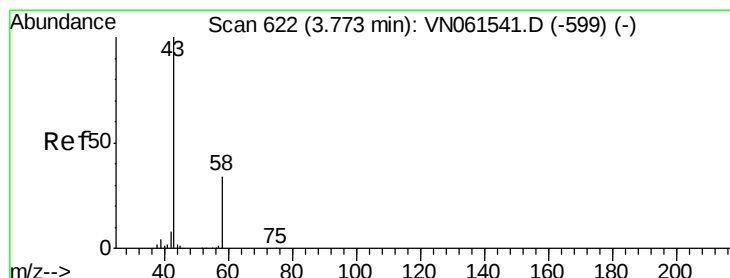
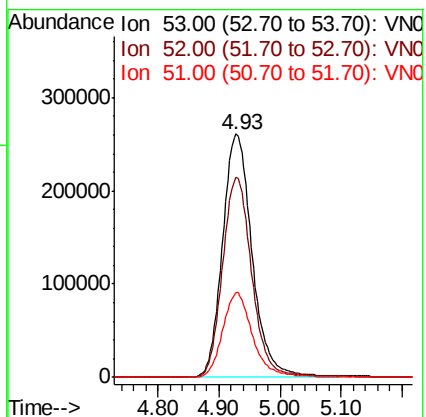
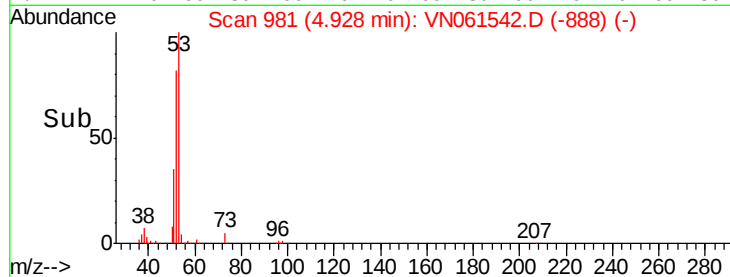
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.4	98.2
51	35.3	29.0	43.6



Abundance Ion 53.00 (52.70 to 53.70): VN061541.D (-958) (-)

Ion 52.00 (51.70 to 52.70): VN061541.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VN061541.D (-958) (-)



#16

Acetone

Concen: 359.187 ug/l

RT: 3.77 min Scan# 622

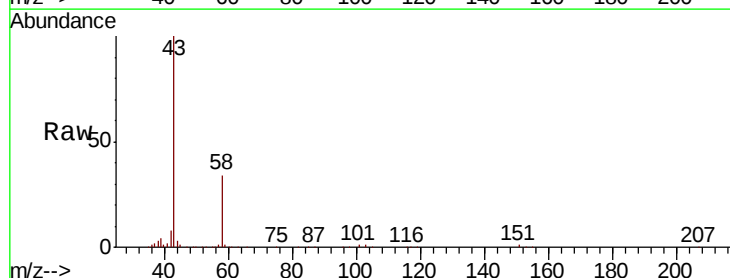
Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

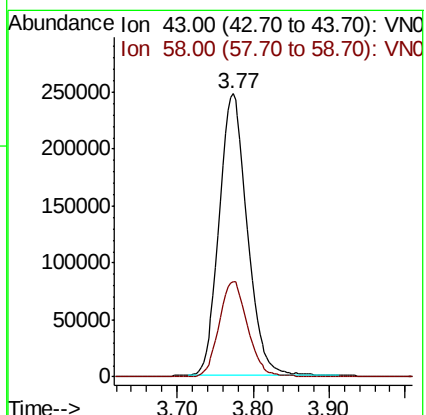
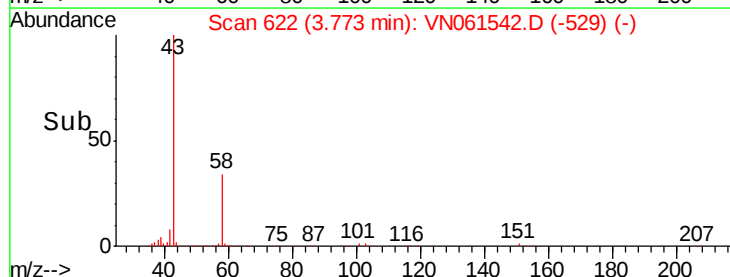
Tgt Ion: 43 Resp: 637731

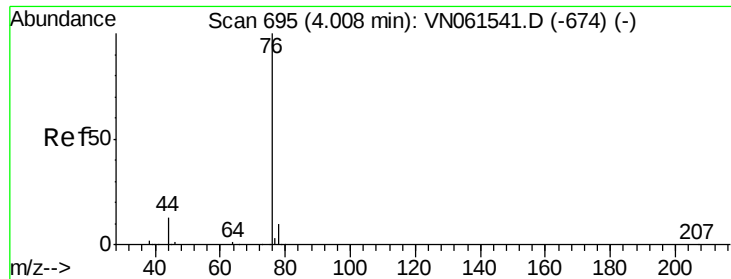
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.2	40.8



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-599) (-)

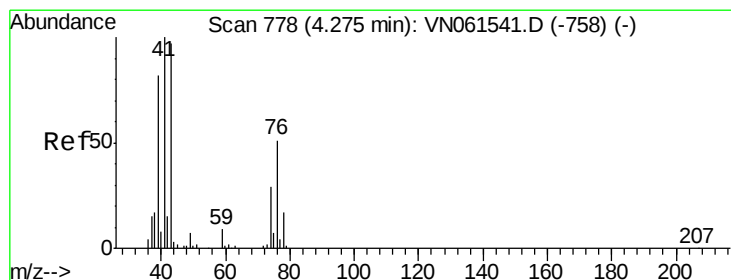
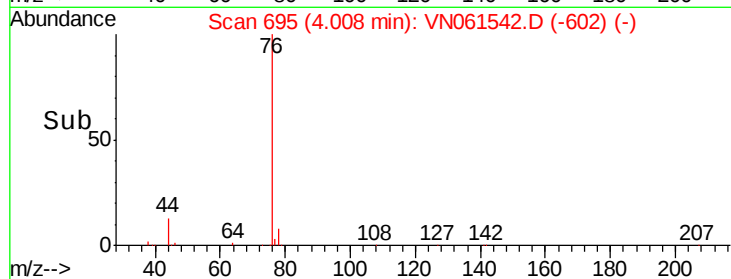
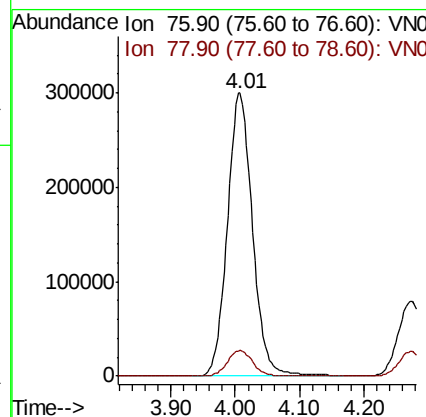
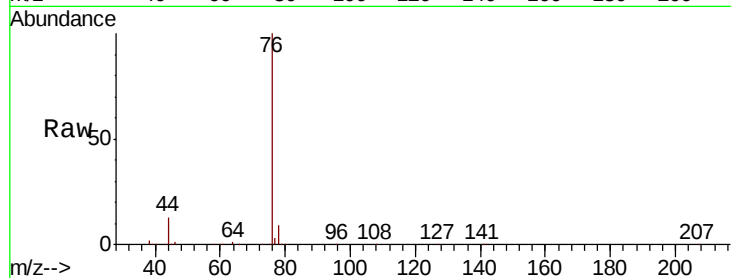




#17
Carbon Disulfide
Concen: 80.733 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

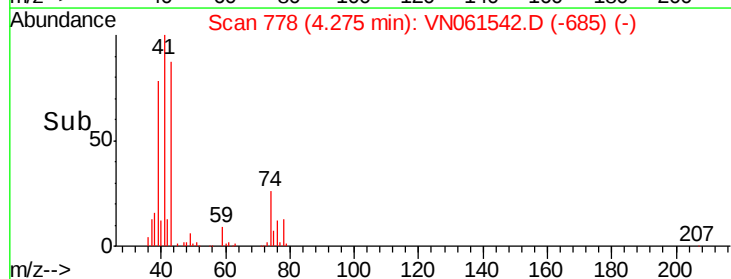
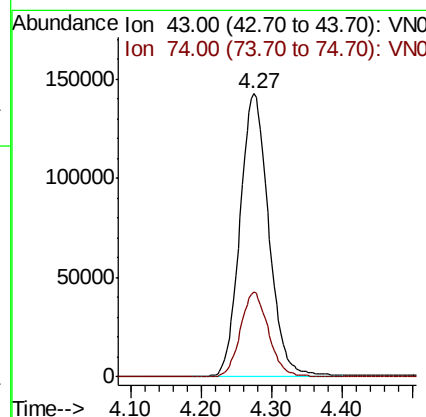
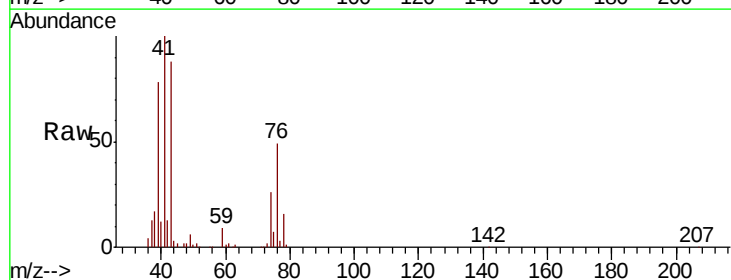
Instrument :
MSVOA_N
ClientSampleId :

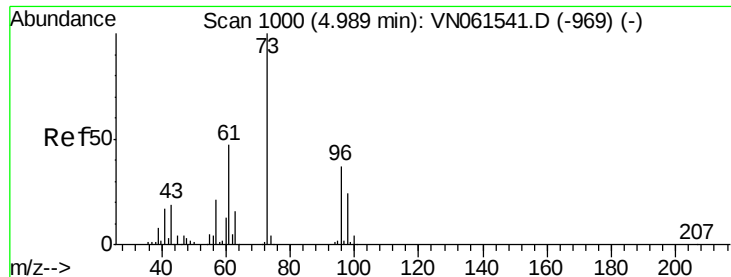
Tot Ion: 76 Resp: 812007
Ion Ratio Lower Upper
76 100
78 9.0 7.8 11.6



#18
Methyl Acetate
Concen: 88.509 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion: 43 Resp: 404736
Ion Ratio Lower Upper
43 100
74 29.4 23.2 34.8

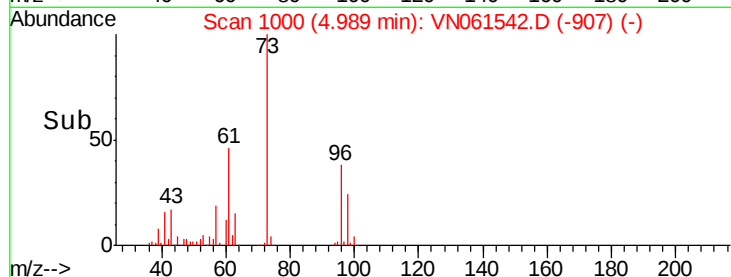
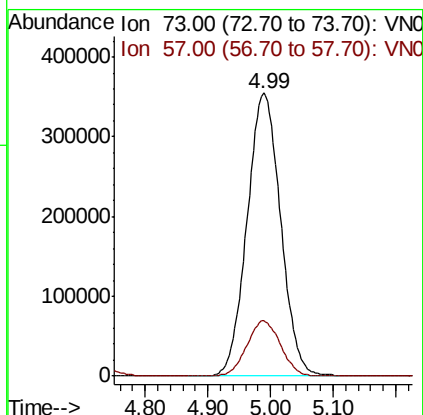
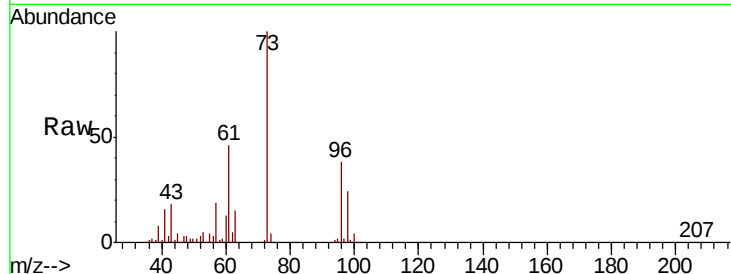




#19
Methvl tert-butvl Ether
Concen: 86.607 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

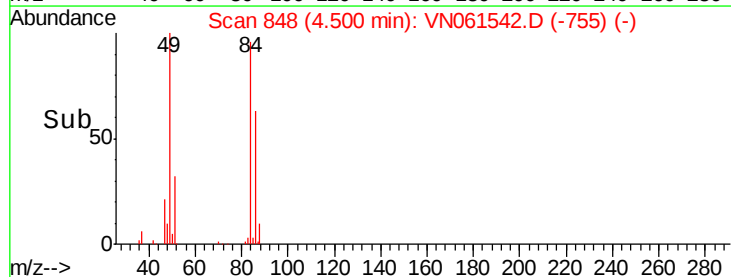
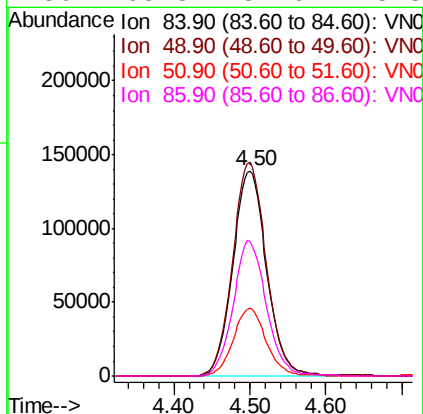
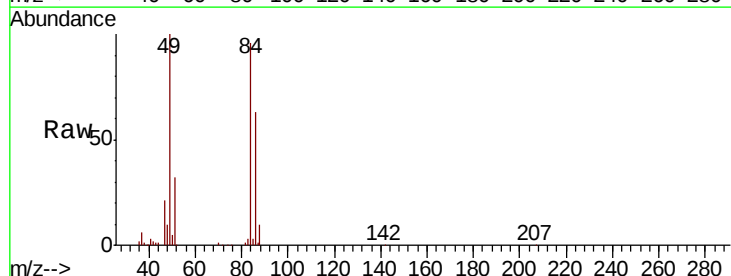
Instrument :
MSVOA_N
ClientSampleId :

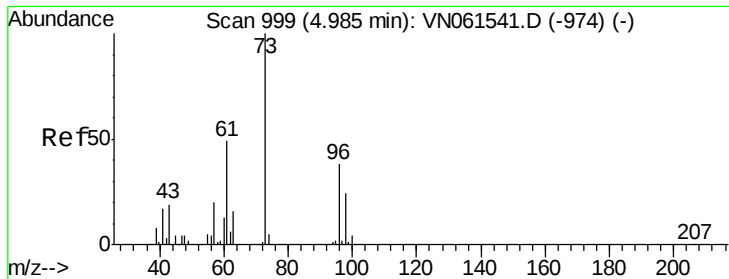
Tot Ion: 73 Resp: 1320640
Ion Ratio Lower Upper
73 100
57 19.5 16.4 24.6



#20
Methylene Chloride
Concen: 88.493 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion: 84 Resp: 428831
Ion Ratio Lower Upper
84 100
49 104.0 85.8 128.8
51 32.9 26.2 39.2
86 65.3 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 93.142 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

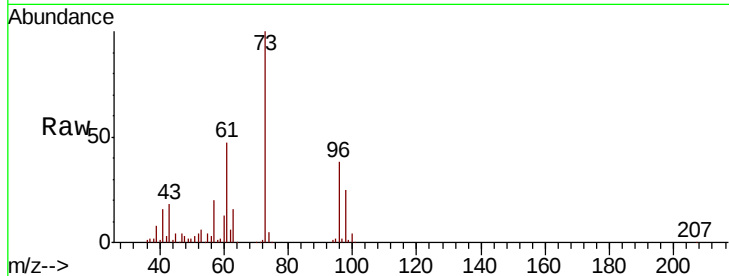
Tot Ion: 96 Resp: 435157

Ion Ratio Lower Upper

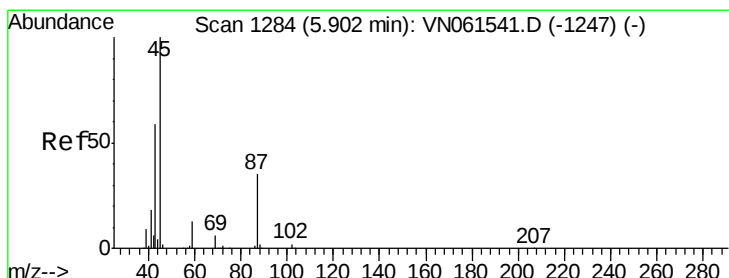
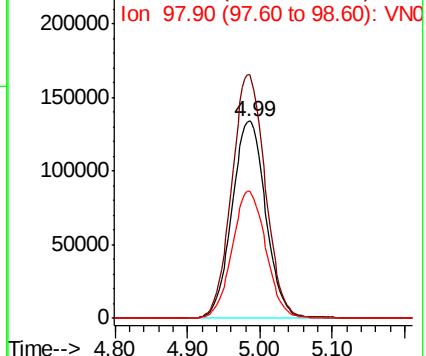
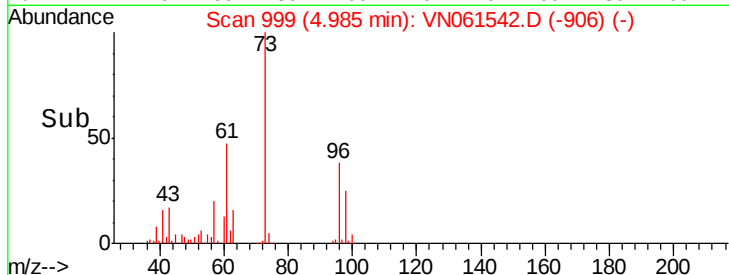
96 100

61 123.3 101.4 152.0

98 64.6 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN061542.D (-906) (-)



#22

Diisopropyl ether

Concen: 78.736 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Tgt Ion: 45 Resp: 1135850

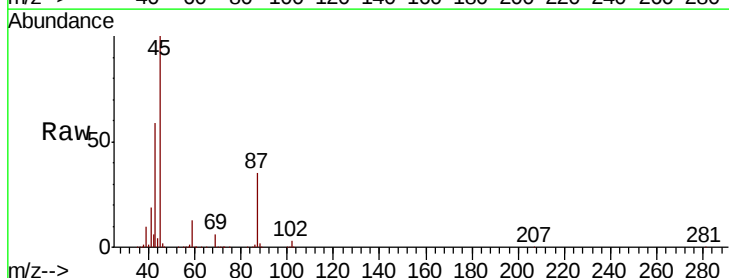
Ion Ratio Lower Upper

45 100

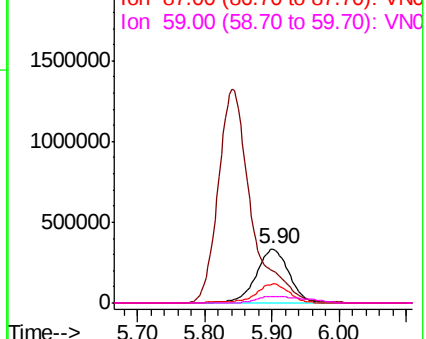
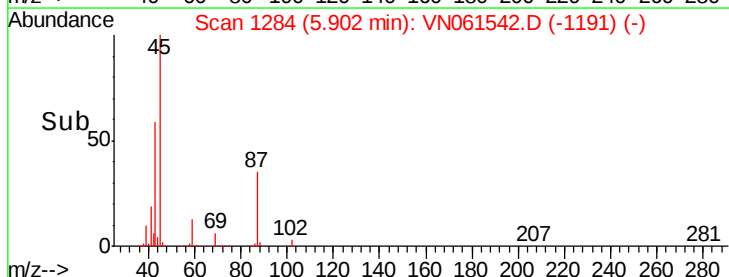
43 58.1 47.9 71.9

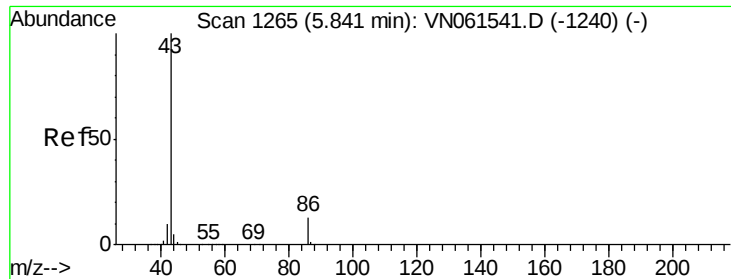
87 34.7 28.4 42.6

59 12.6 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VN061542.D (-1191) (-)





#23

Vinyl Acetate

Concen: 394.067 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

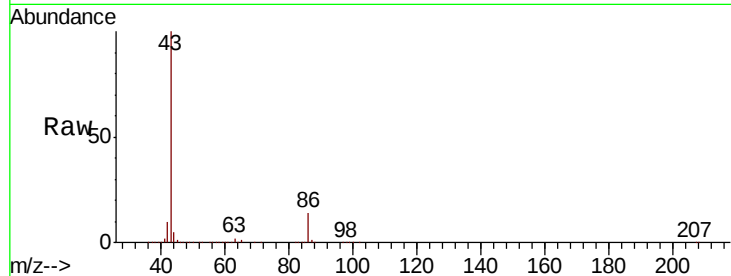
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4519583

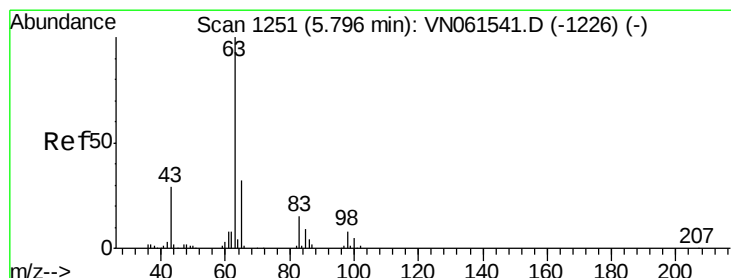
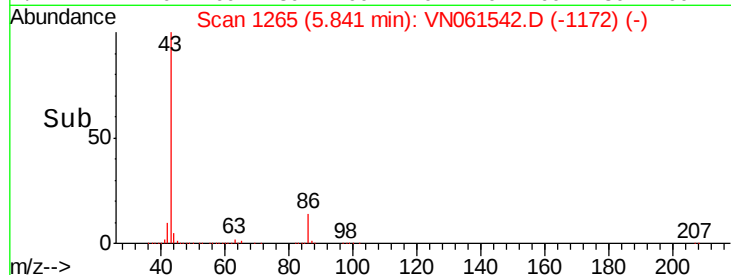
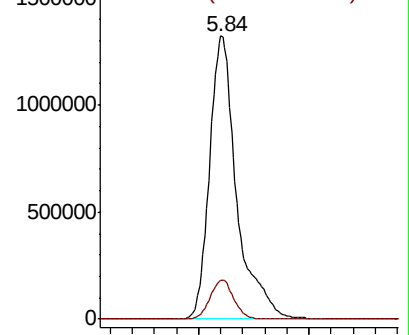
Ion Ratio Lower Upper

43 100

86 13.9 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-1240) (-)



#24

1,1-Dichloroethane

Concen: 83.403 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

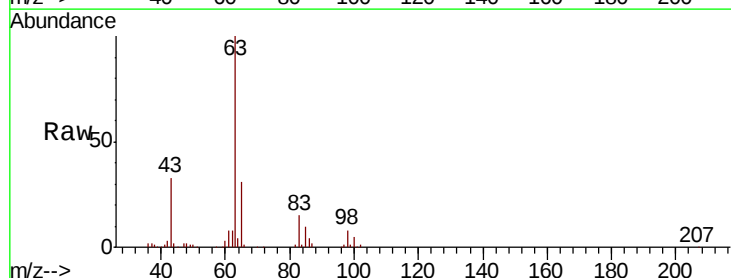
Tgt Ion: 63 Resp: 708191

Ion Ratio Lower Upper

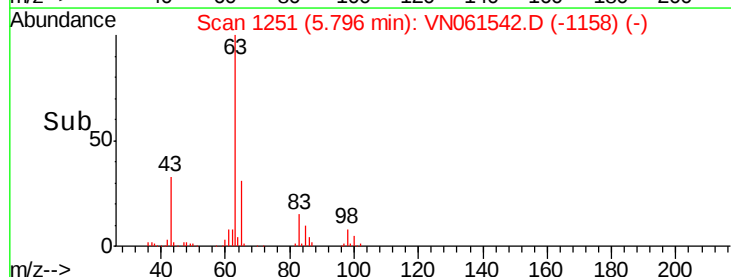
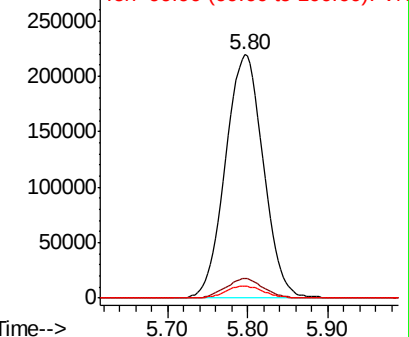
63 100

98 7.9 3.8 11.4

100 4.8 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VN061541.D (-1226) (-)





#25

2-Butanone

Concen: 407.293 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

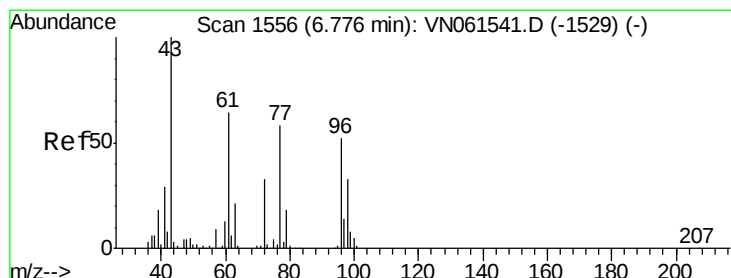
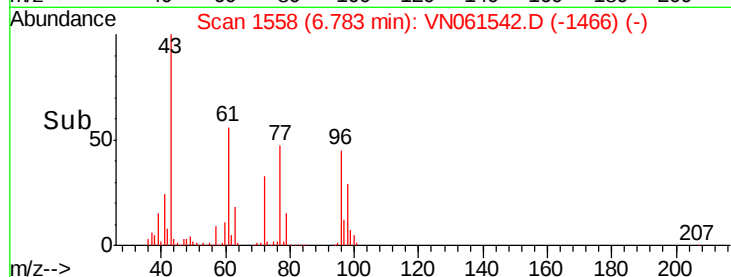
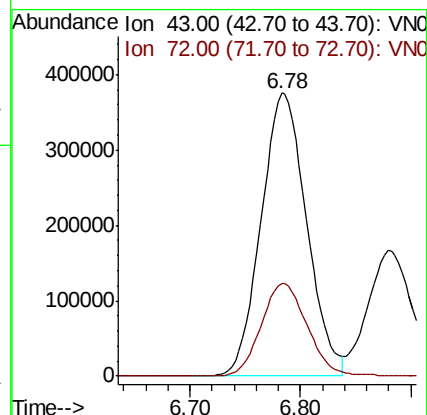
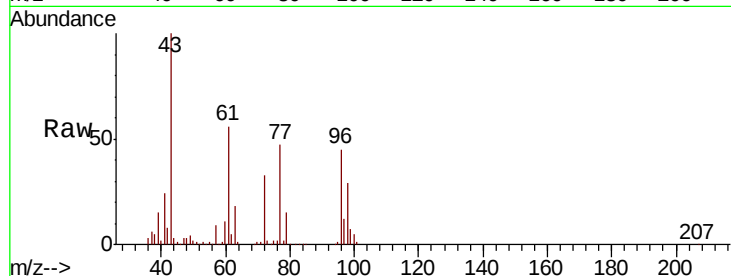
ClientSampled :

Tot Ion: 43 Resp: 1072965

Ion Ratio Lower Upper

43 100

72 33.0 26.0 39.0



#26

2,2-Dichloropropane

Concen: 76.815 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061542.D

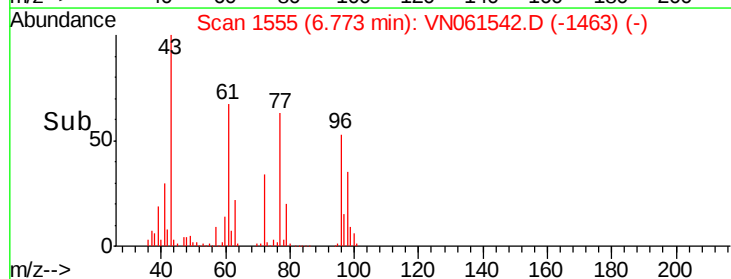
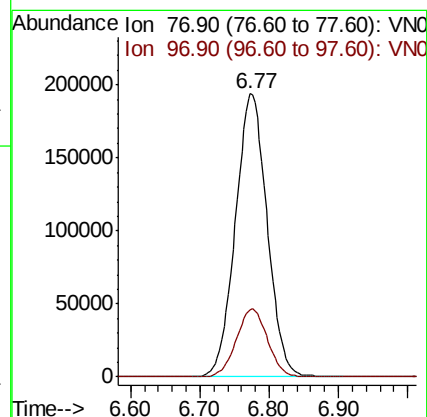
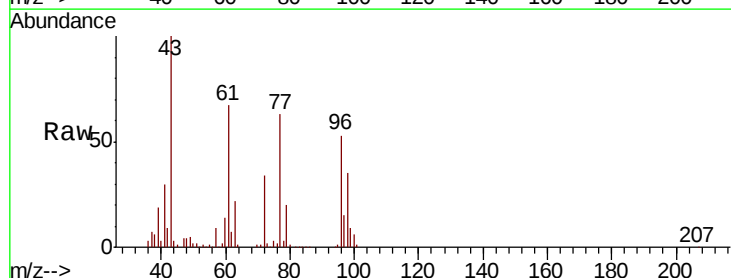
Acq: 28 May 2020 19:19

Tgt Ion: 77 Resp: 618225

Ion Ratio Lower Upper

77 100

97 23.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 91.785 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :

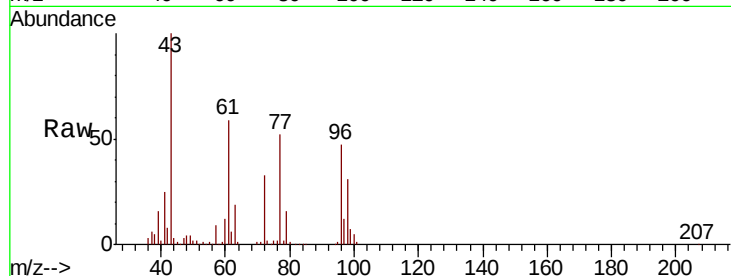
Tot Ion: 96 Resp: 505838

Ion Ratio Lower Upper

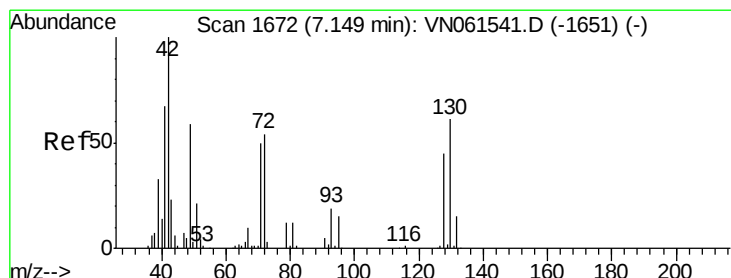
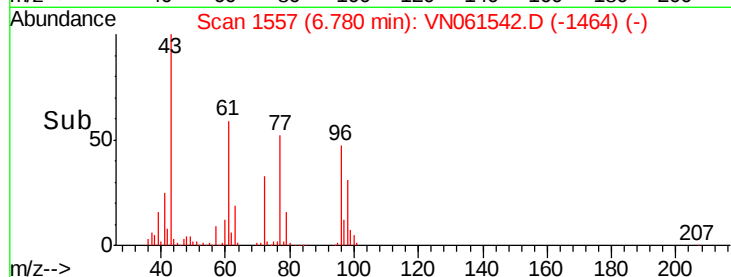
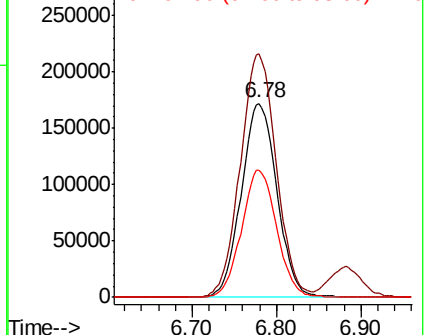
96 100

61 126.4 0.0 252.2

98 64.7 0.0 129.2



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: 78.368 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

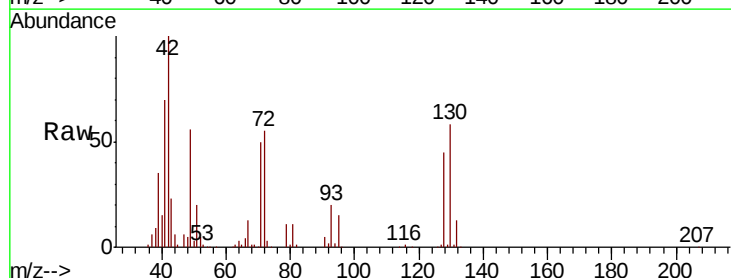
Tgt Ion: 49 Resp: 275185

Ion Ratio Lower Upper

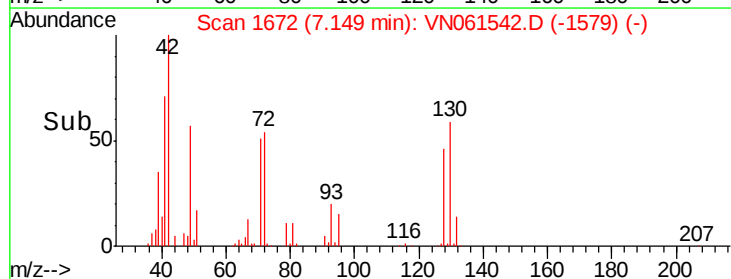
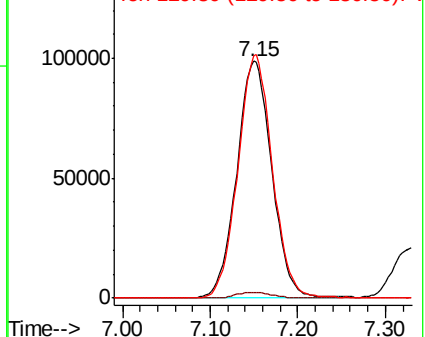
49 100

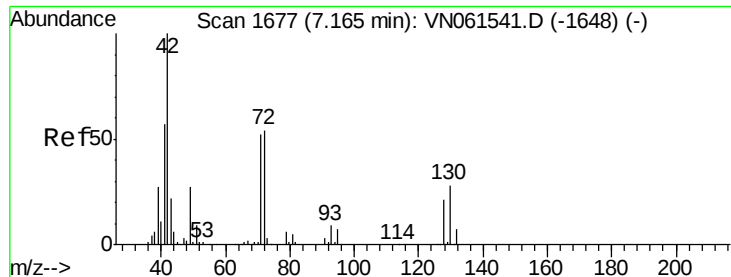
129 2.6 0.0 4.8

130 100.7 78.8 118.2



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

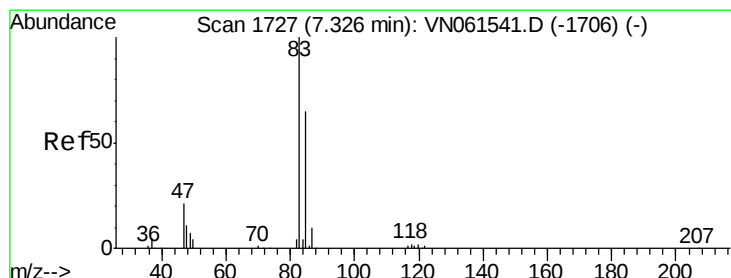
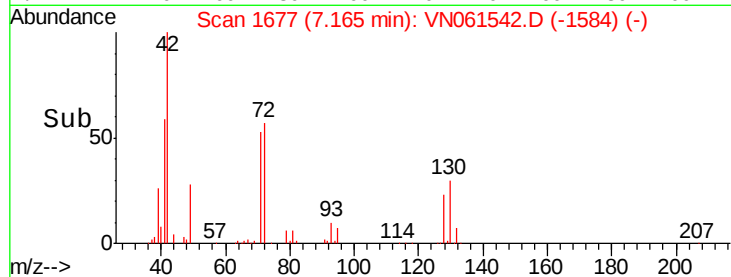
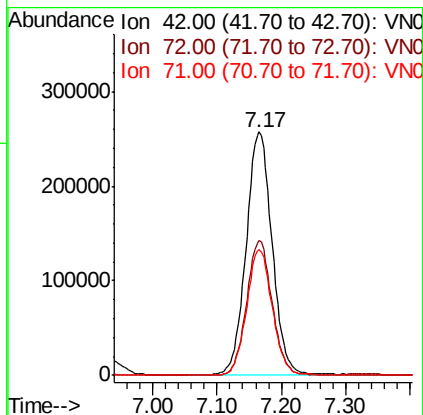
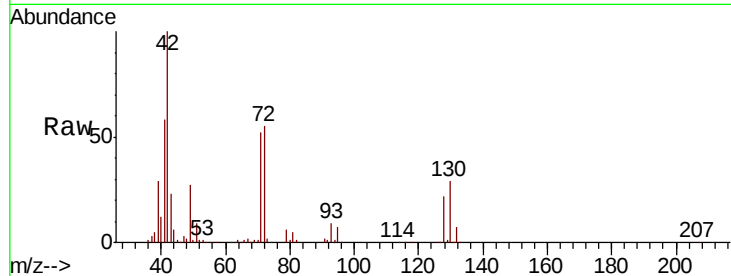




#29
Tetrahydrofuran
Concen: 412.760 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

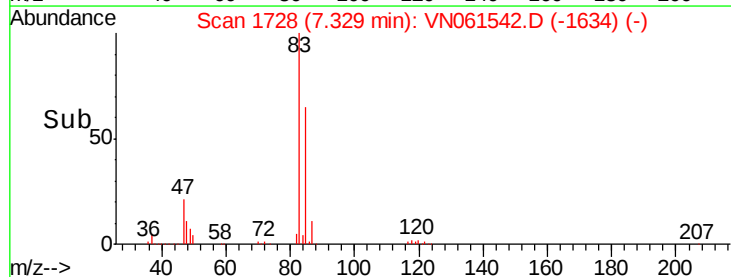
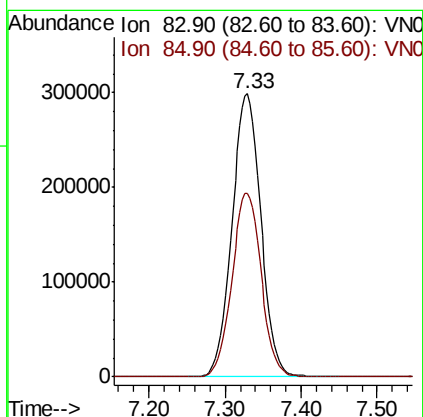
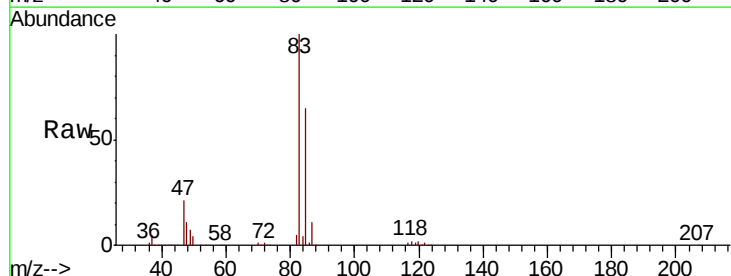
Instrument :
MSVOA_N
ClientSampled :

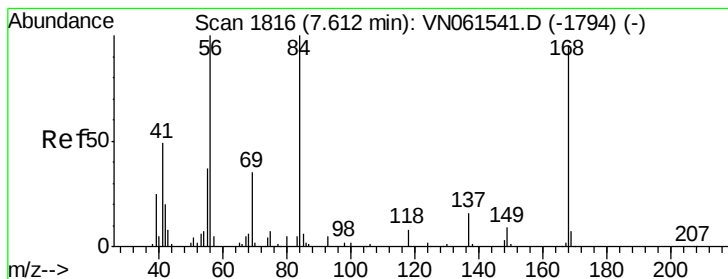
Tot Ion: 42 Resp: 720101
Ion Ratio Lower Upper
42 100
72 54.3 43.6 65.4
71 51.1 41.2 61.8



#30
Chloroform
Concen: 88.464 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion: 83 Resp: 788884
Ion Ratio Lower Upper
83 100
85 65.1 51.7 77.5





#31

Cyclohexane

Concen: 77.603 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

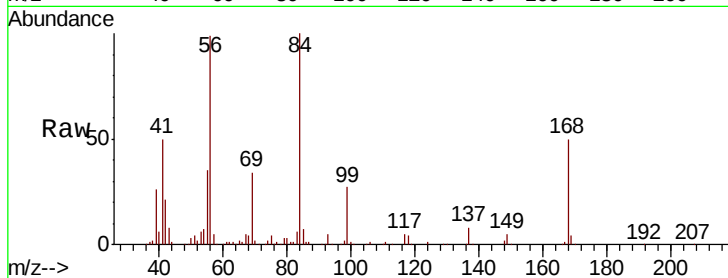
Tot Ion: 56 Resp: 626434

Ion Ratio Lower Upper

56 100

69 34.7 27.8 41.8

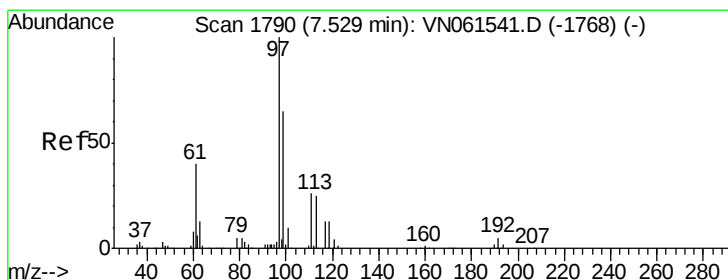
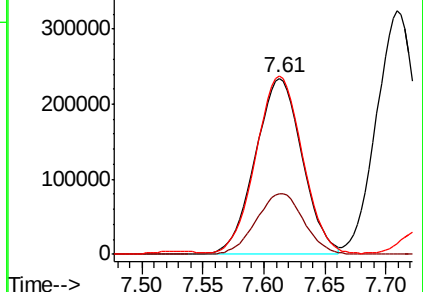
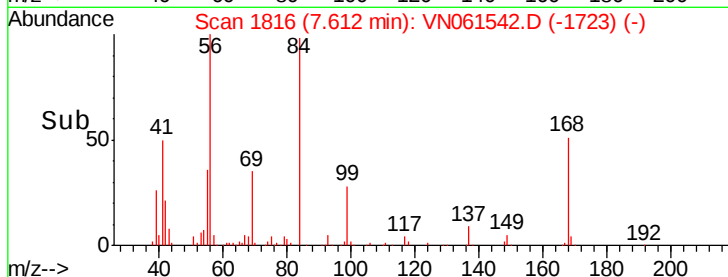
84 99.6 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN061542.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN061542.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN061542.D (-1794) (-)



#32

1,1,1-Trichloroethane

Concen: 89.305 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

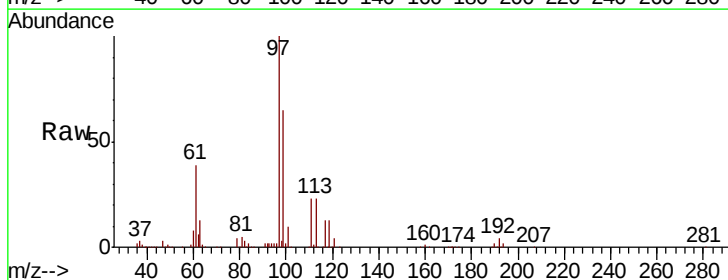
Tgt Ion: 97 Resp: 728610

Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

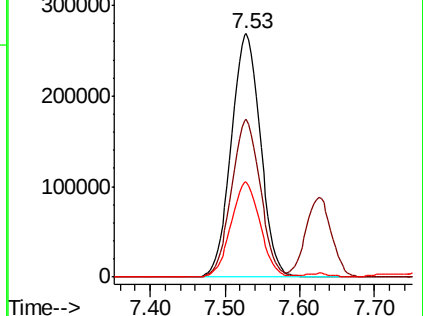
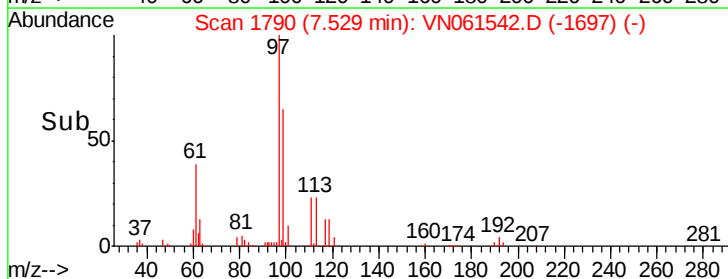
61 38.9 31.4 47.0



Abundance Ion 96.90 (96.60 to 97.60): VN061542.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061542.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061542.D (-1697) (-)

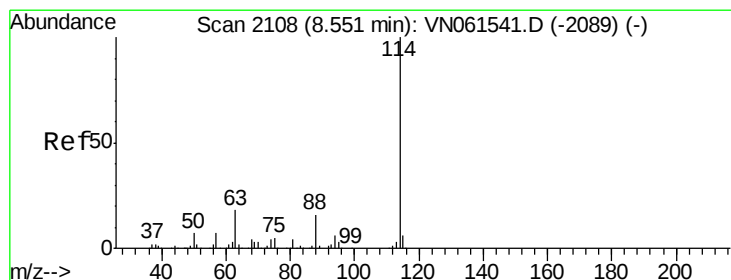
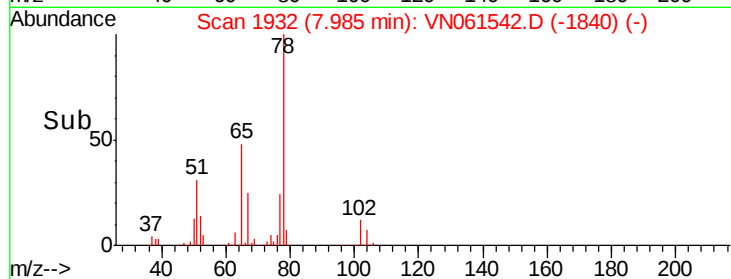
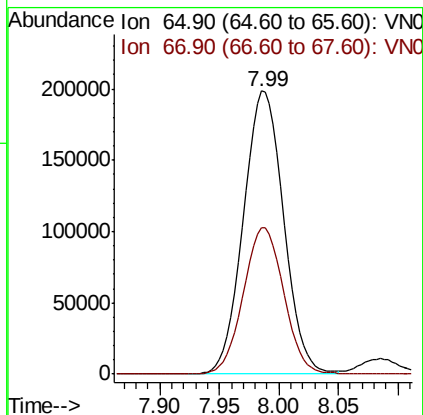
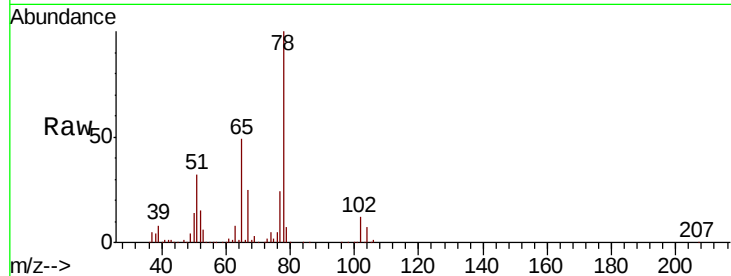




#33
 1,2-Dichloroethane-d4
 Concen: 80.553 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

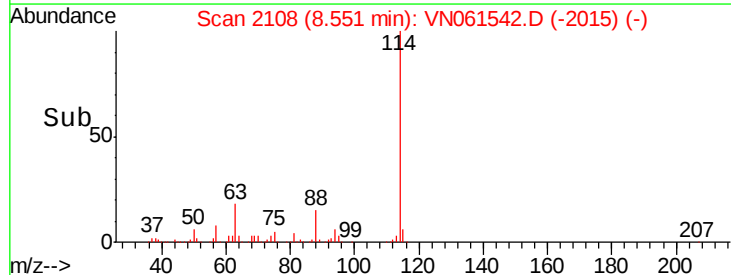
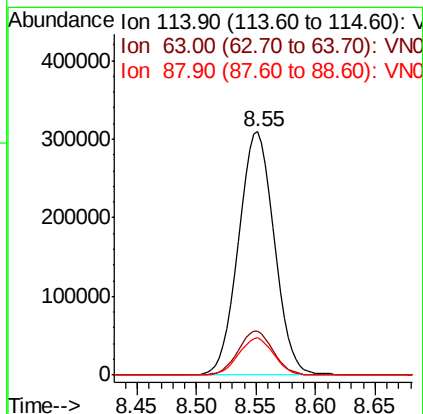
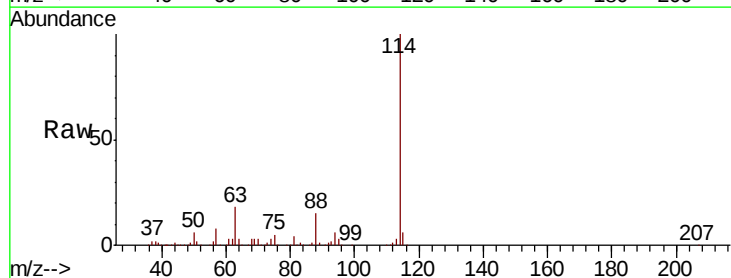
Instrument :
 MSVOA_N
 ClientSampleId :

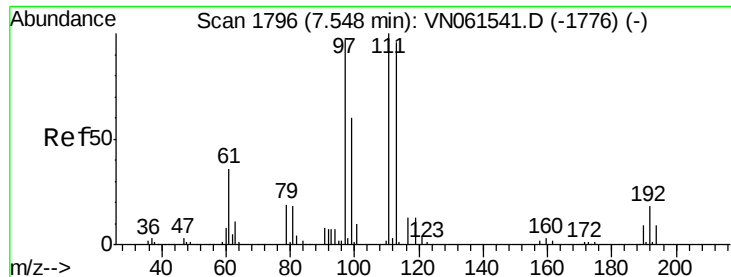
Tot Ion: 65 Resp: 466421
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion: 114 Resp: 645848
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.8
 88 15.2 0.0 31.0

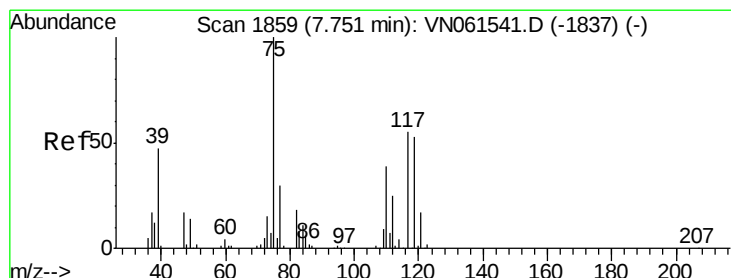
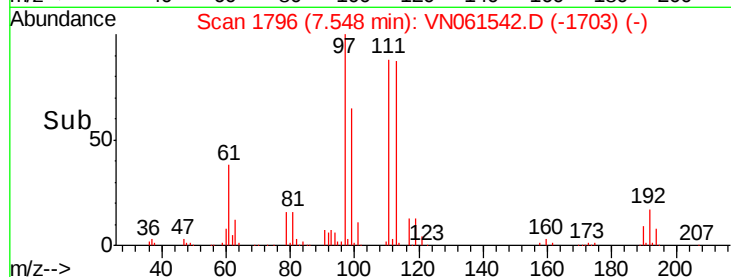
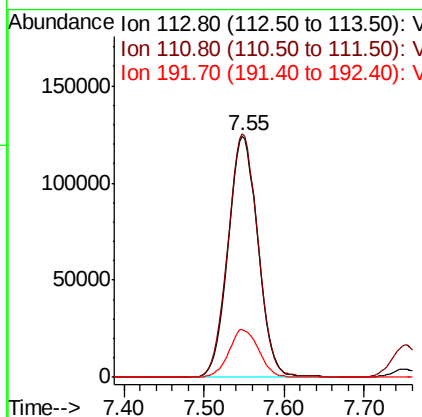
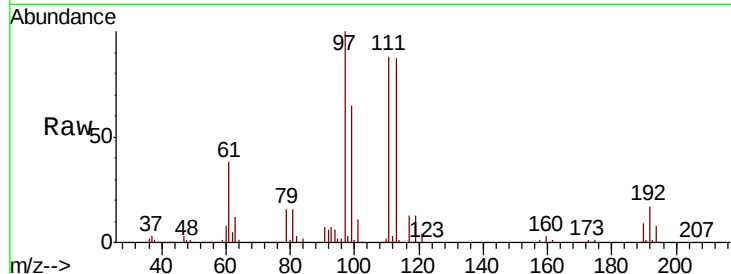




#35
 Dibromofluoromethane
 Concen: 92.254 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

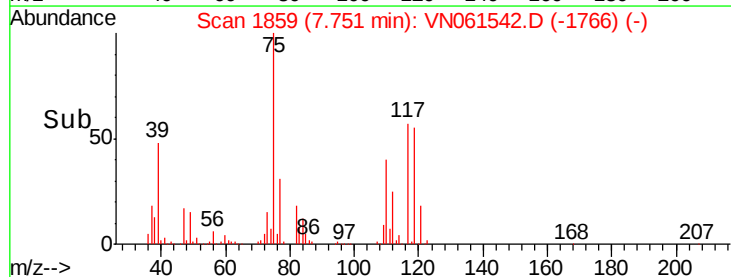
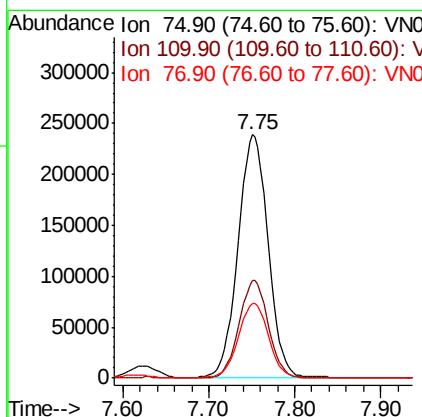
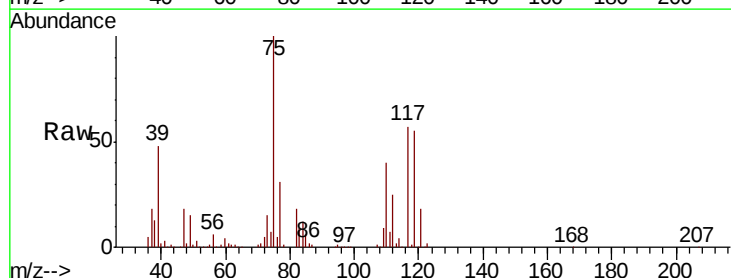
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 313772
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.4 125.0
 192 19.7 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 97.456 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion: 75 Resp: 579912
 Ion Ratio Lower Upper
 75 100
 110 39.0 19.5 58.5
 77 31.2 24.7 37.1

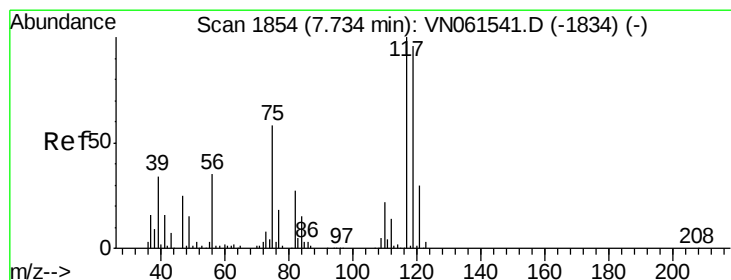
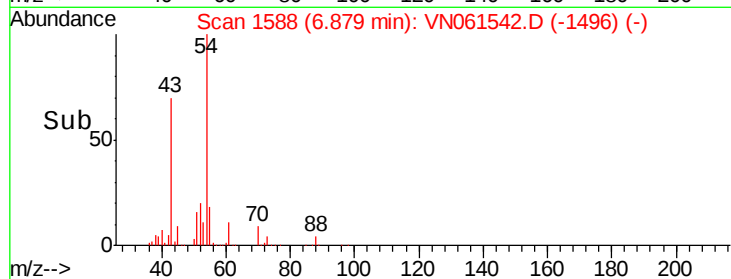
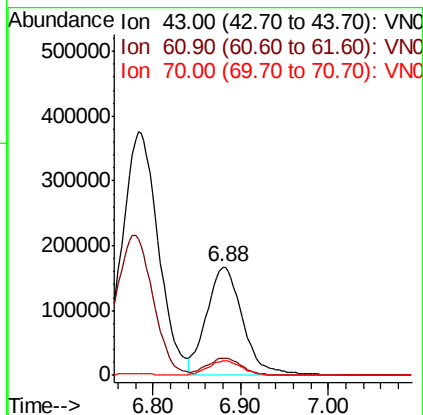
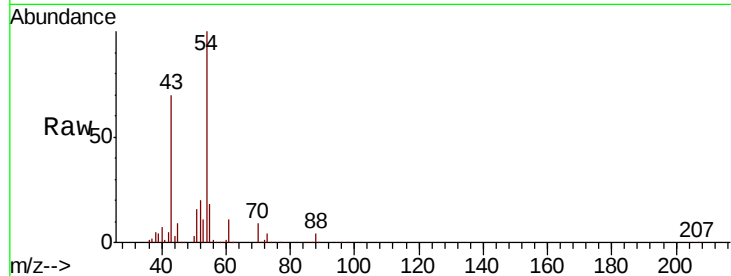




#37
Ethyl Acetate
Concen: 87.952 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

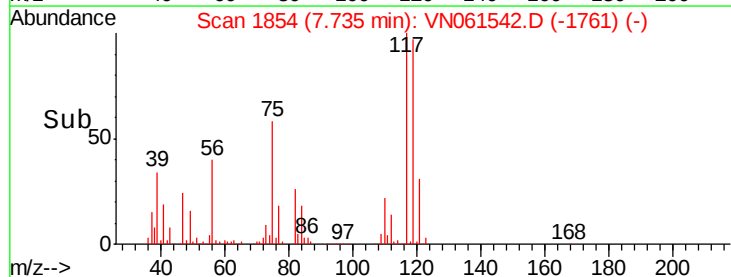
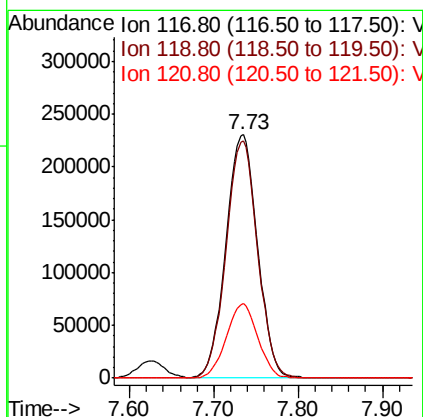
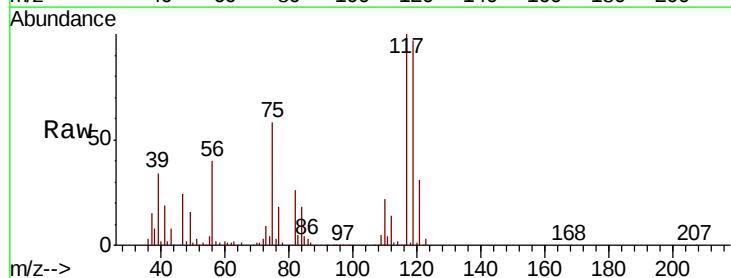
Instrument :
MSVOA_N
ClientSampled :

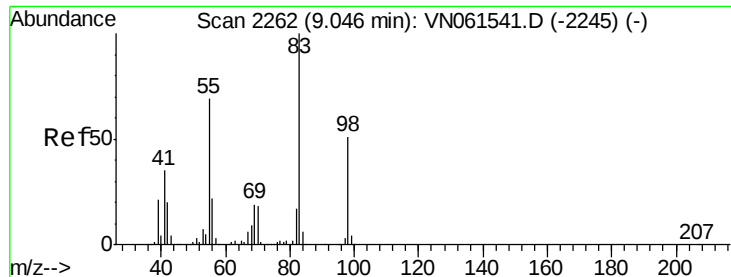
Tot Ion: 43 Resp: 473649
Ion Ratio Lower Upper
43 100
61 15.3 12.2 18.4
70 12.6 9.4 14.2



#38
Carbon Tetrachloride
Concen: 108.780 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion: 117 Resp: 598867
Ion Ratio Lower Upper
117 100
119 97.5 76.5 114.7
121 30.6 24.1 36.1

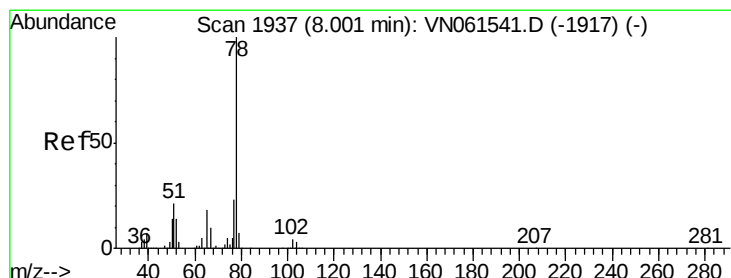
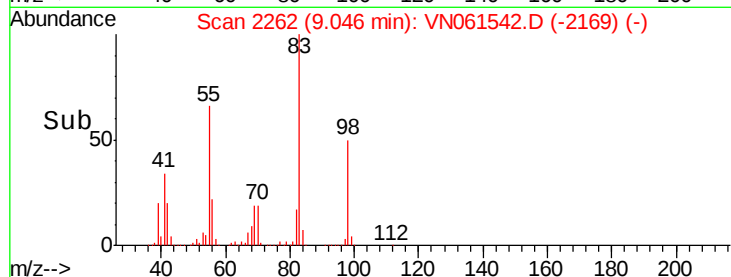
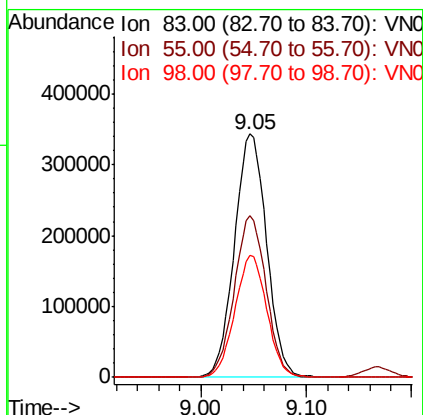
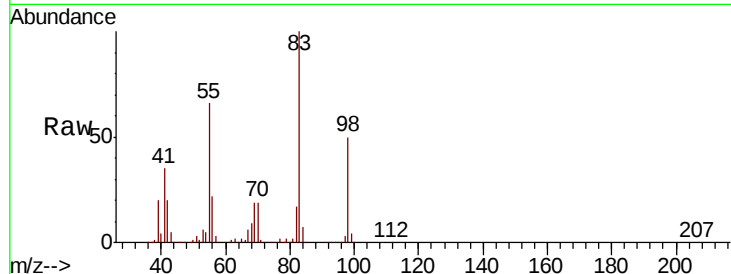




#39
Methvlcvclohexane
Concen: 100.002 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

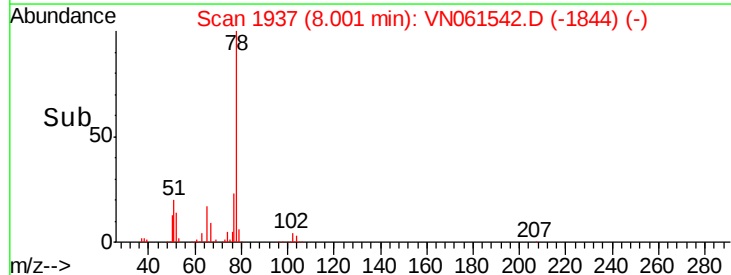
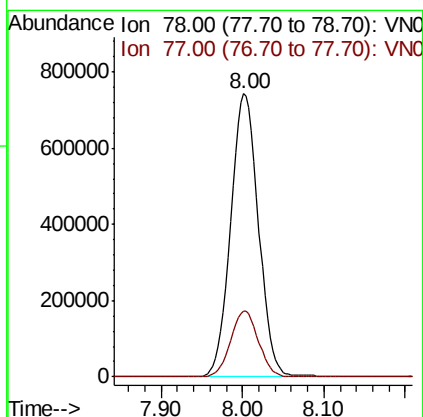
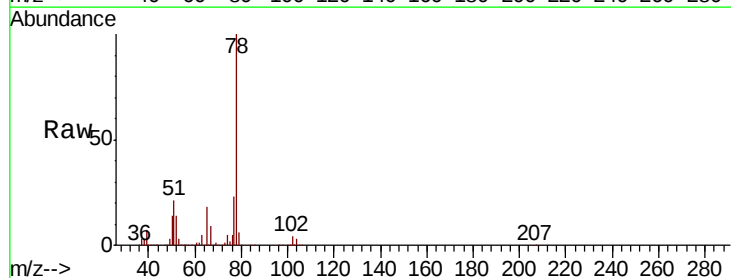
Instrument :
MSVOA_N
ClientSampled :

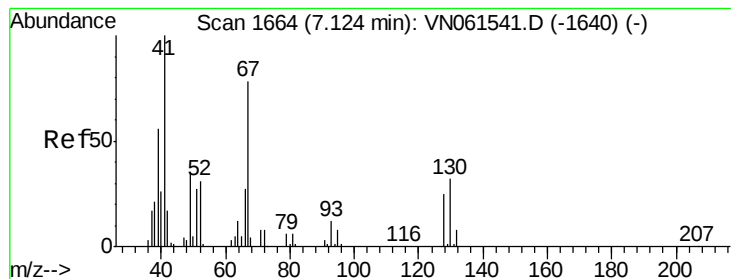
Tot Ion	83	Resp	728515
Ion Ratio	Lower	Upper	
83	100		
55	66.2	54.9	82.3
98	49.9	41.0	61.4



#40
Benzene
Concen: 98.506 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion	78	Resp	1769636
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.6	28.0

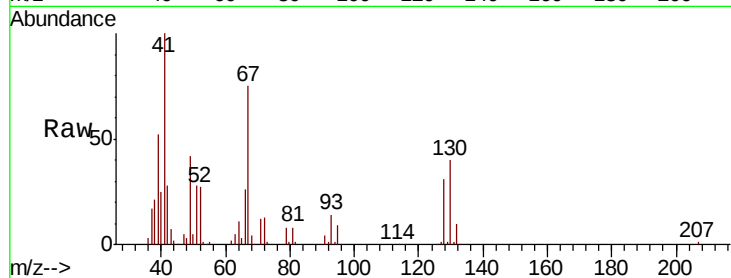




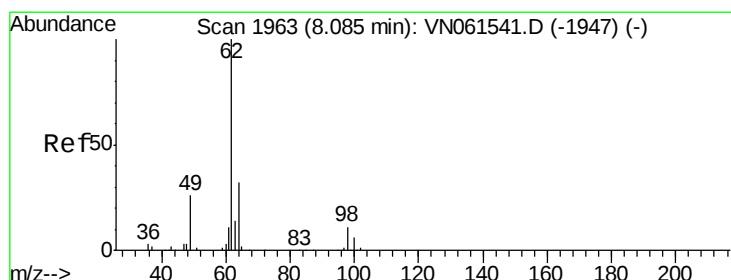
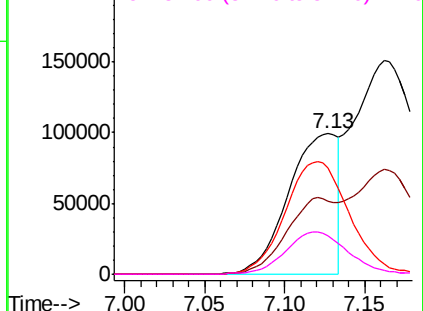
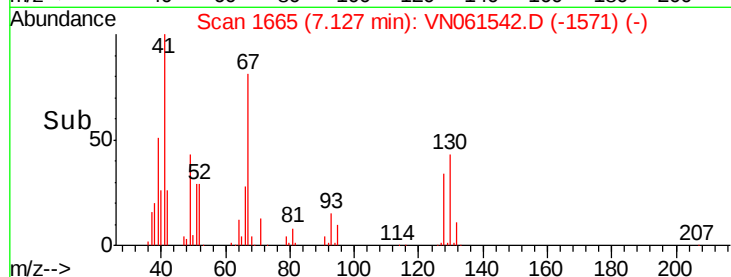
#41
Methacrylonitrile
Concen: 96.502 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 213671
Ion Ratio Lower Upper
41 100
39 49.8 53.8 80.6#
67 104.5 91.1 136.7
52 37.8 36.0 54.0

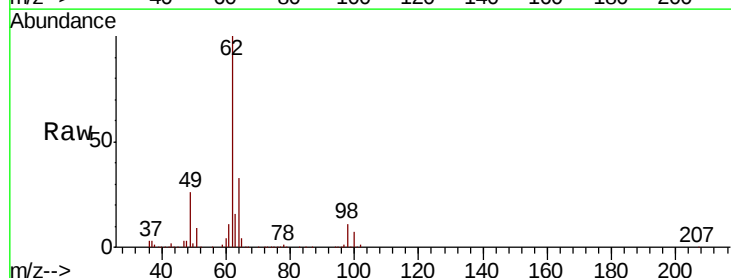


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

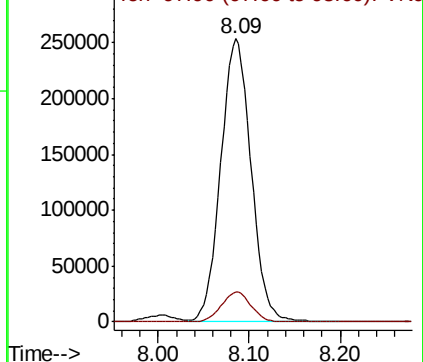
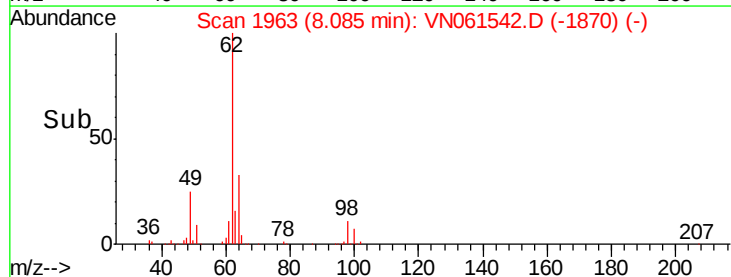


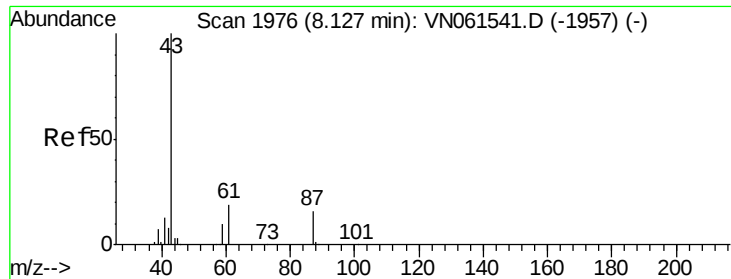
#42
1,2-Dichloroethane
Concen: 91.331 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion: 62 Resp: 584928
Ion Ratio Lower Upper
62 100
98 10.4 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

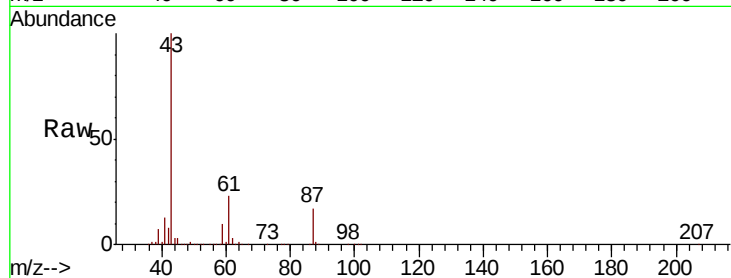




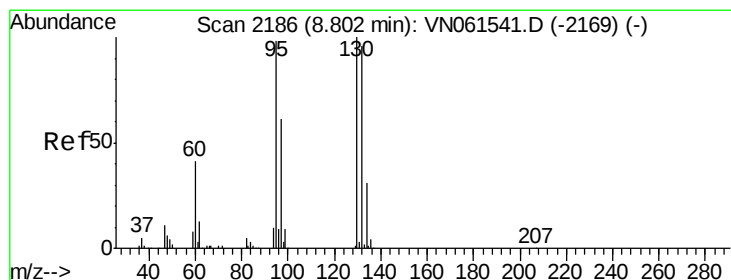
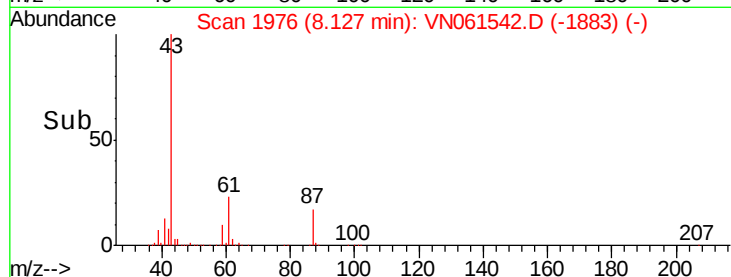
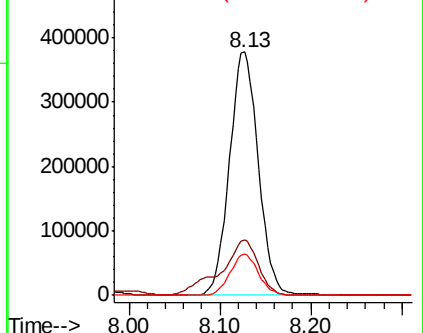
#43
Isopropyl Acetate
Concen: 89.052 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 830001
Ion Ratio Lower Upper
43 100
61 29.4 23.6 35.4
87 16.8 13.0 19.6

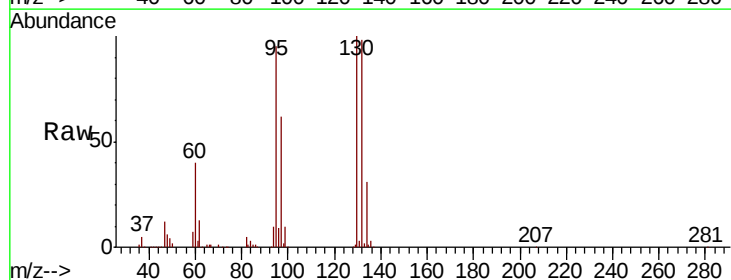


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

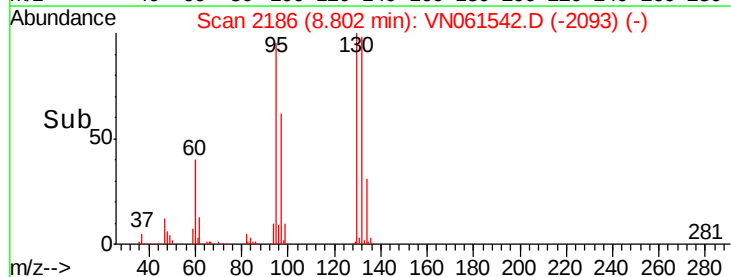
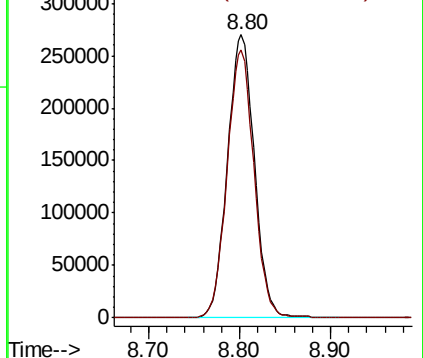


#44
Trichloroethene
Concen: 114.579 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion:130 Resp: 556770
Ion Ratio Lower Upper
130 100
95 94.6 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

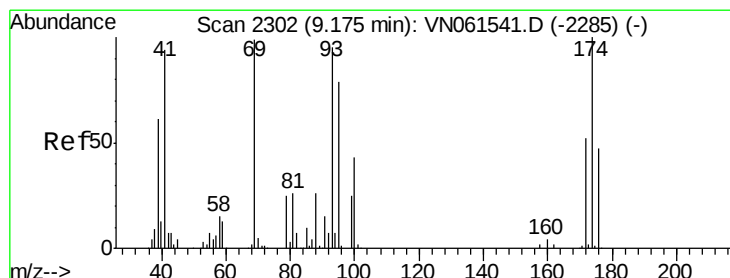
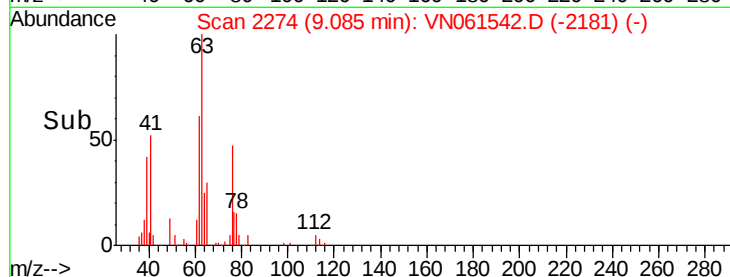
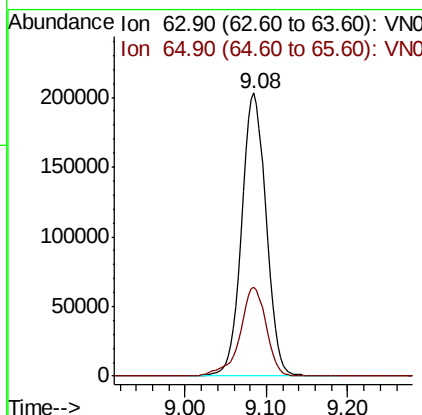
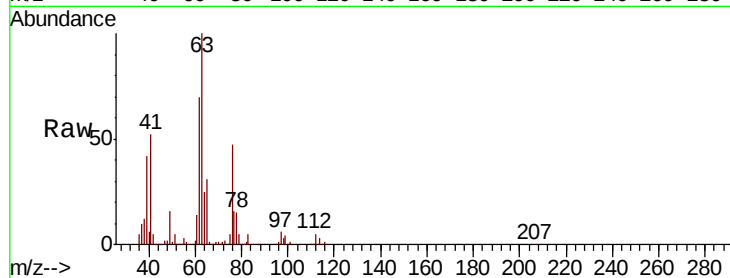




#45
 1,2-Dichloropropane
 Concen: 93.845 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

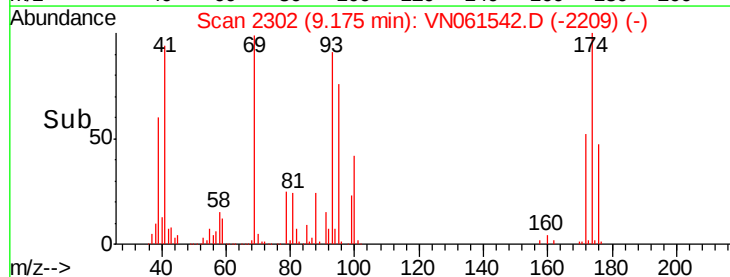
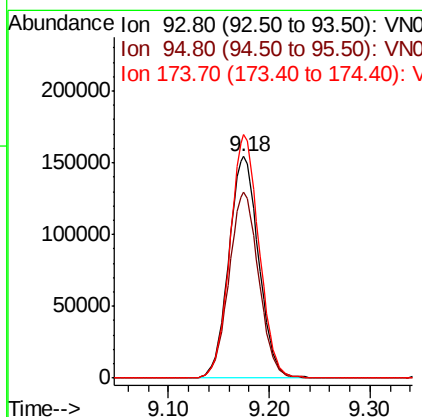
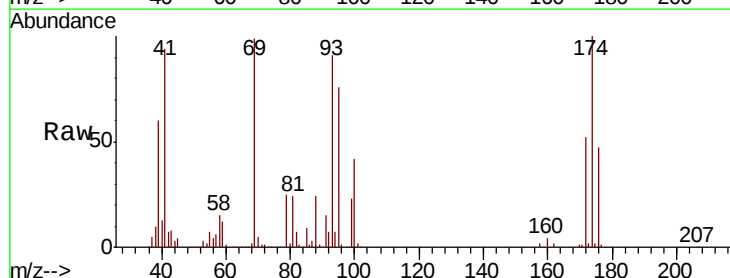
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 418891
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.7 37.1



#46
 Dibromomethane
 Concen: 100.142 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion: 93 Resp: 317866
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.0 99.0
 174 107.2 82.5 123.7





#47

Bromodichloromethane

Concen: 98.519 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :

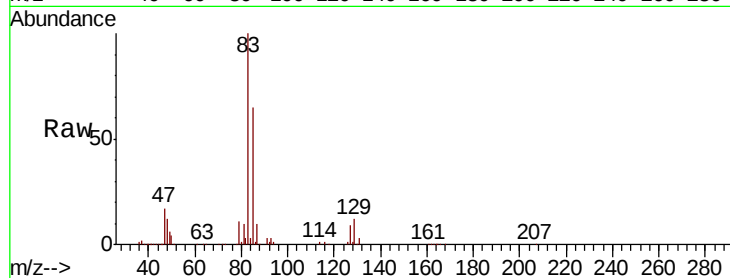
Tot Ion: 83 Resp: 651944

Ion Ratio Lower Upper

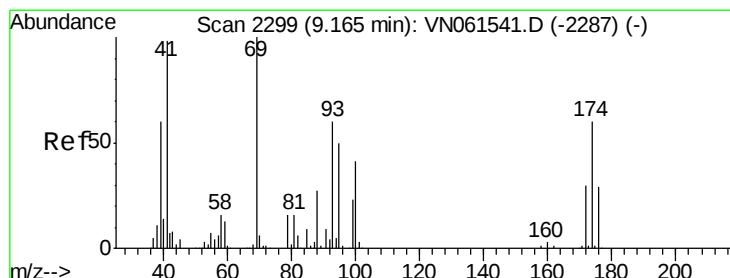
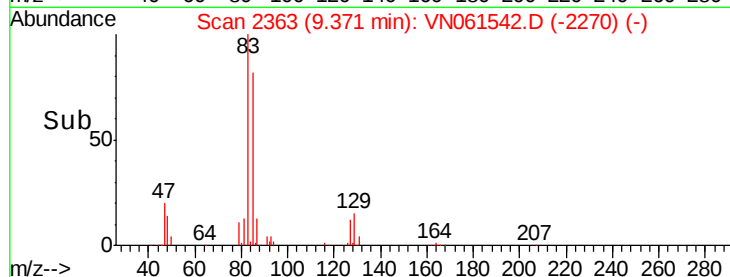
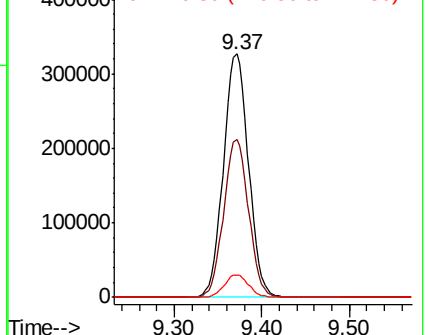
83 100

85 64.7 51.1 76.7

127 9.2 7.2 10.8



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



#48

Methyl methacrylate

Concen: 85.992 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

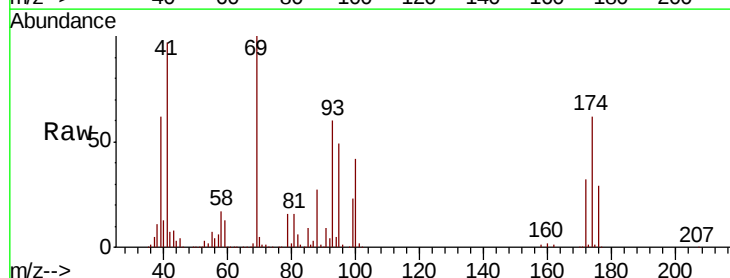
Tgt Ion: 41 Resp: 368035

Ion Ratio Lower Upper

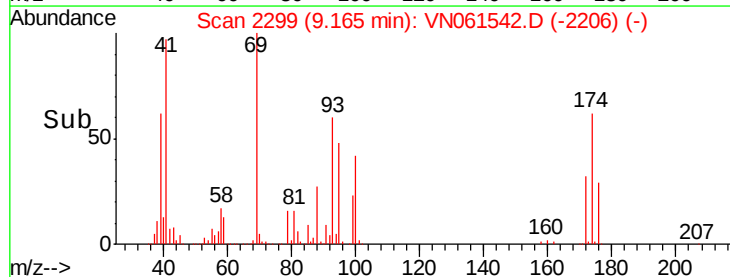
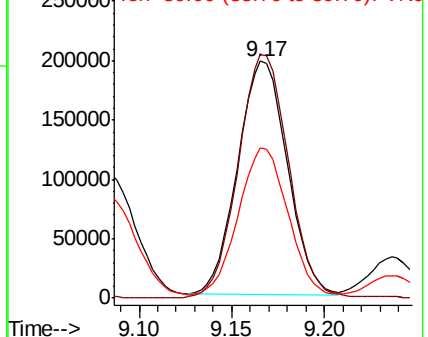
41 100

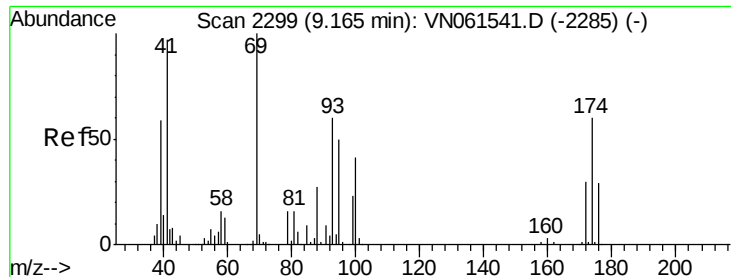
69 105.4 83.9 125.9

39 65.1 52.1 78.1



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





#49

1,4-Dioxane

Concen: 2092.047 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampled :

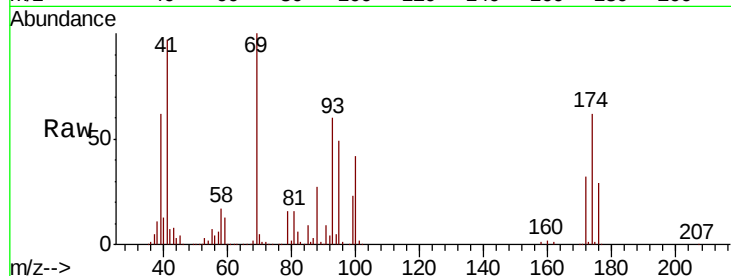
Tot Ion: 88 Resp: 112112

Ion Ratio Lower Upper

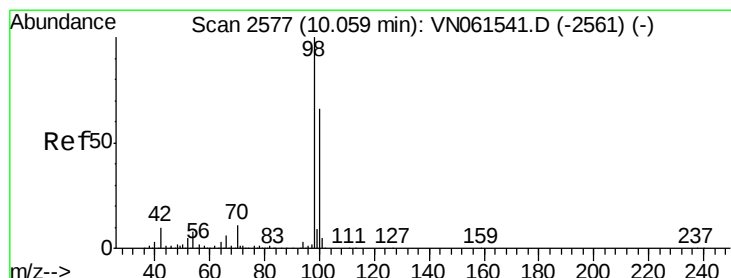
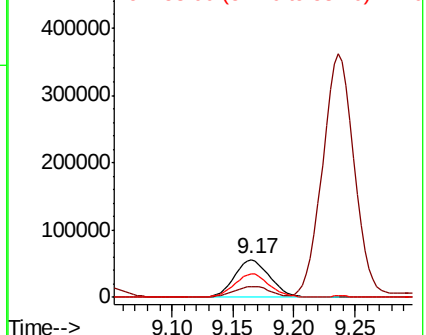
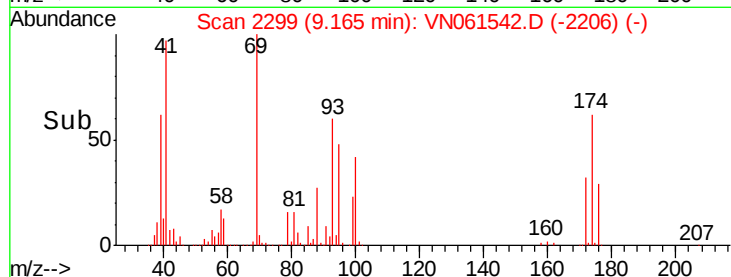
88 100

43 28.1 23.1 34.7

58 61.6 48.3 72.5



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



#50

Toluene-d8

Concen: 101.043 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061542.D

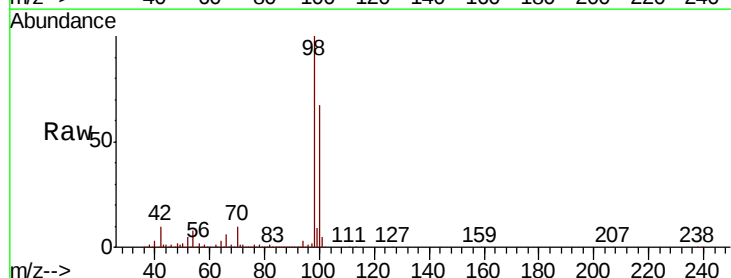
Acq: 28 May 2020 19:19

Tgt Ion: 98 Resp: 1589674

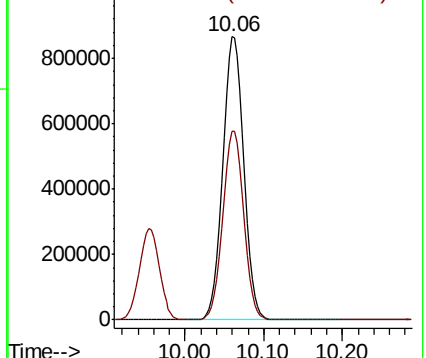
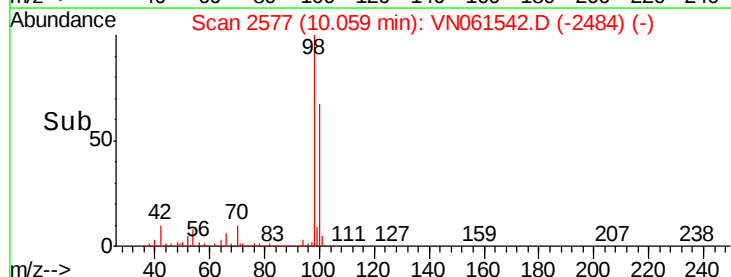
Ion Ratio Lower Upper

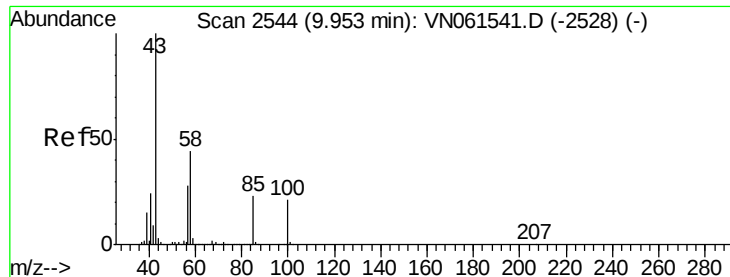
98 100

100 66.5 52.8 79.2



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

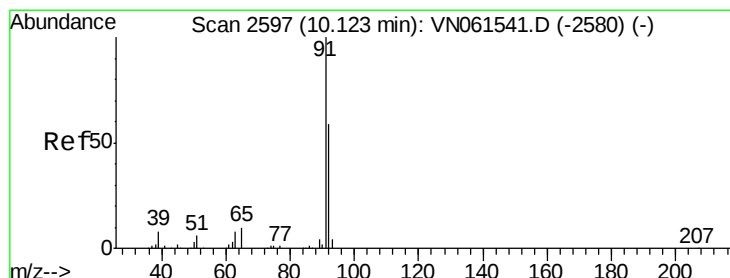
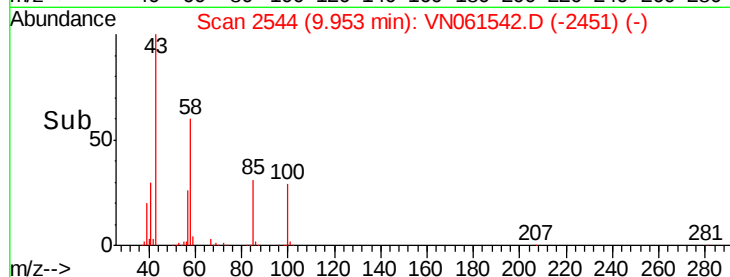
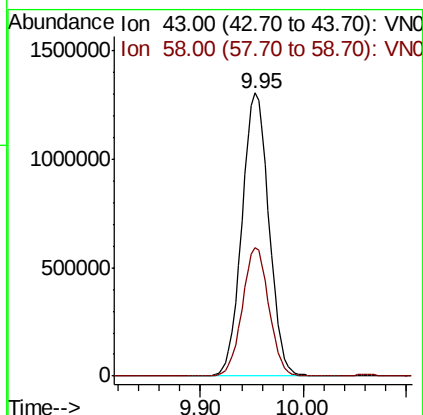
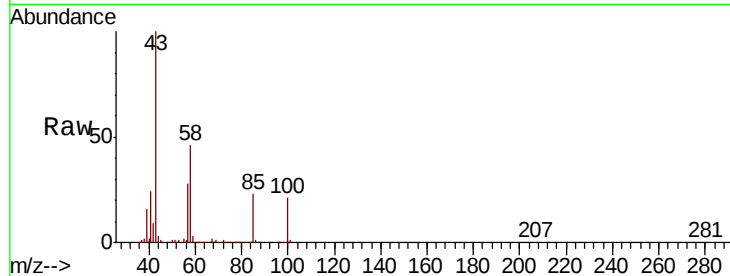




#51
 4-Methyl-2-Pentanone
 Concen: 466.654 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

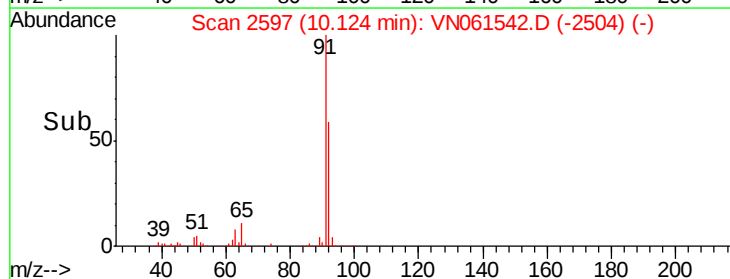
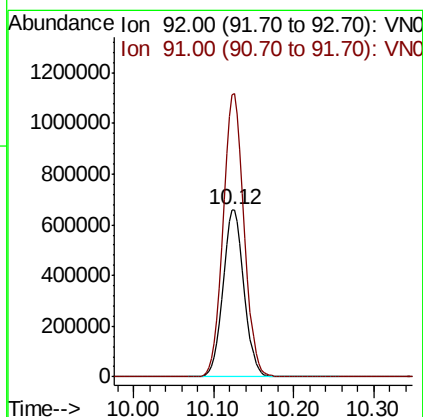
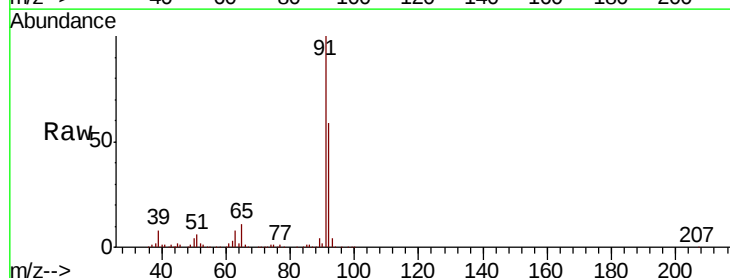
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 2373231
 Ion Ratio Lower Upper
 43 100
 58 44.7 35.0 52.6



#52
 Toluene
 Concen: 102.567 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion: 92 Resp: 1187051
 Ion Ratio Lower Upper
 92 100
 91 169.4 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 99.722 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

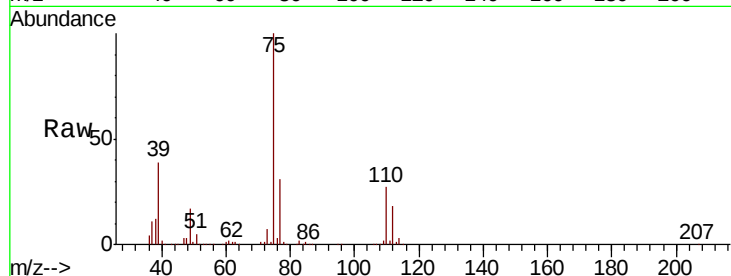
ClientSampleId :

Tot Ion: 75 Resp: 719926

Ion Ratio Lower Upper

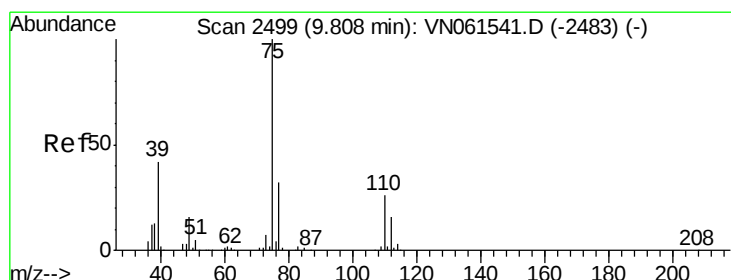
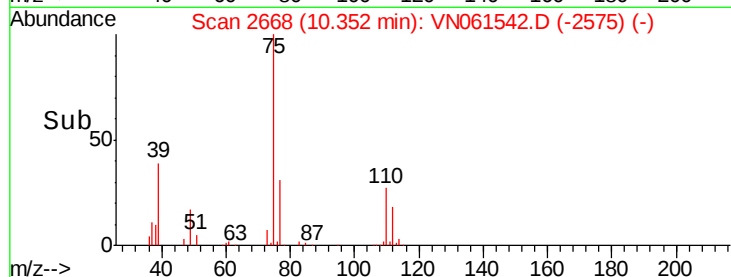
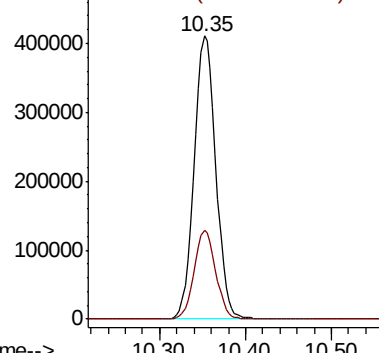
75 100

77 31.3 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 97.578 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

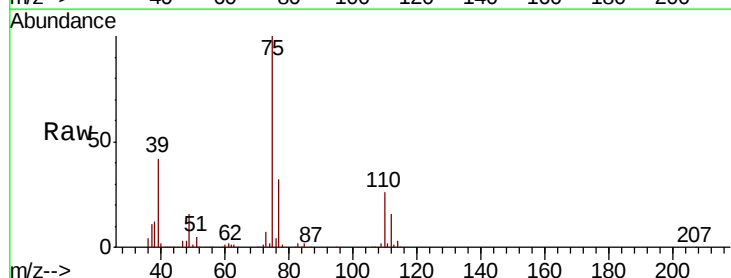
Tgt Ion: 75 Resp: 752930

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2

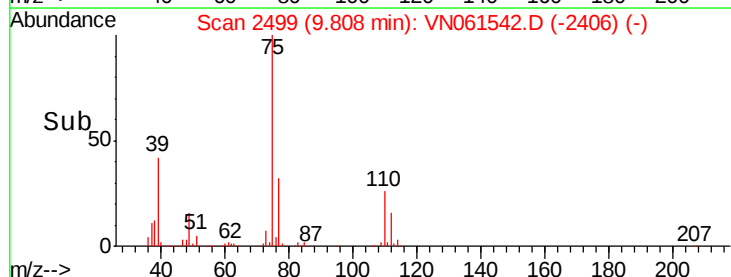
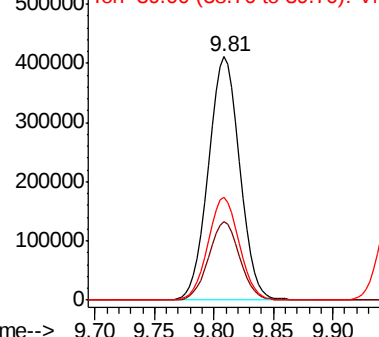
39 42.1 33.8 50.6

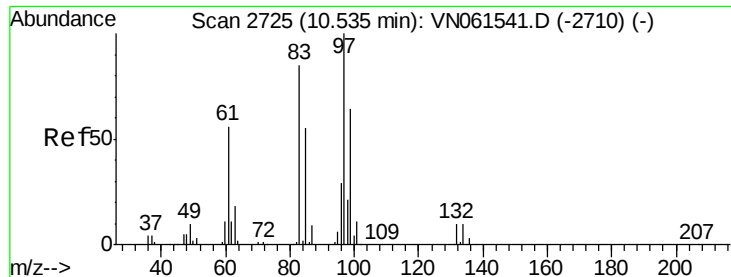


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 105.795 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 464602

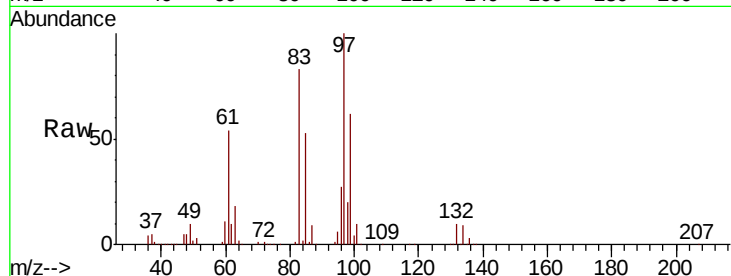
Ion Ratio Lower Upper

97 100

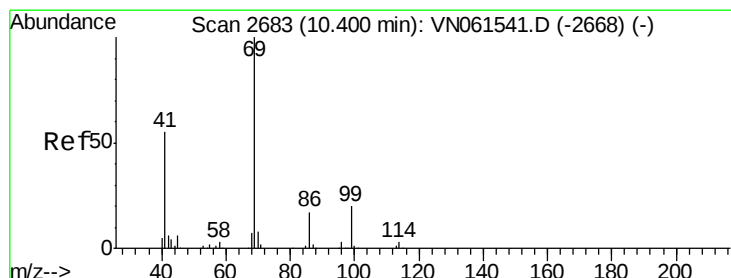
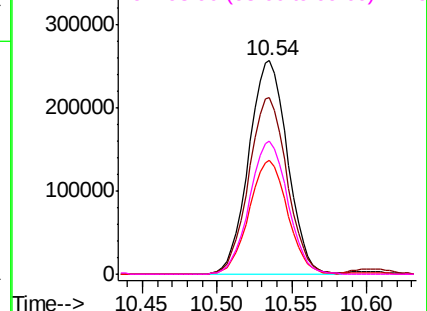
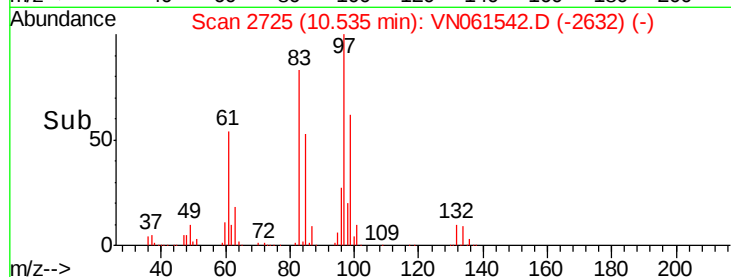
83 82.6 68.1 102.1

85 53.2 44.1 66.1

99 62.3 51.1 76.7



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 101.064 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

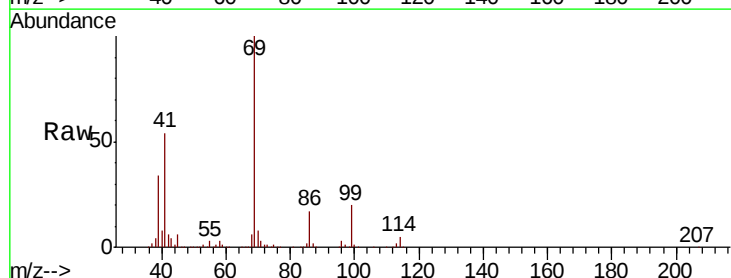
Tgt Ion: 69 Resp: 685369

Ion Ratio Lower Upper

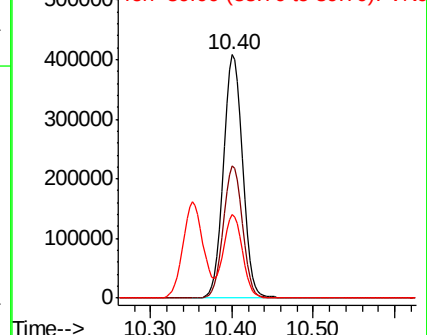
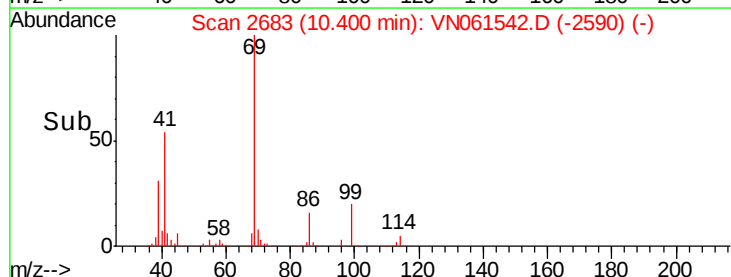
69 100

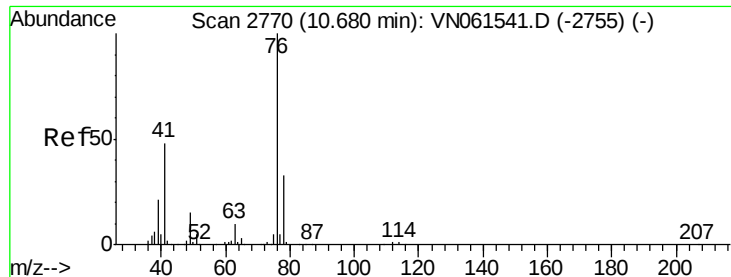
41 54.2 43.5 65.3

39 34.2 27.0 40.6



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

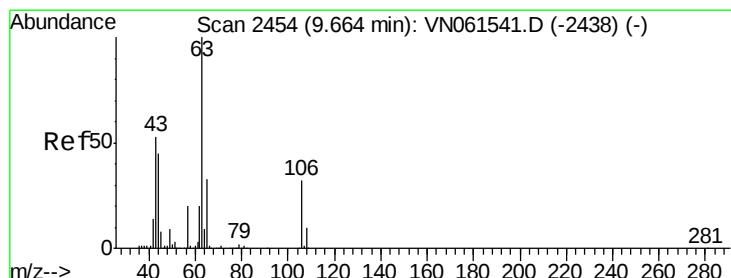
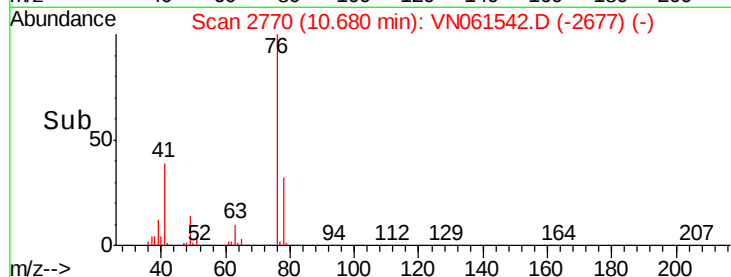
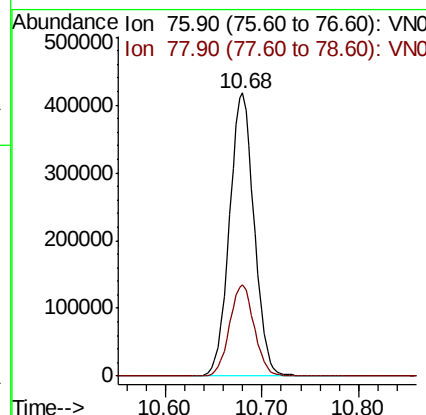
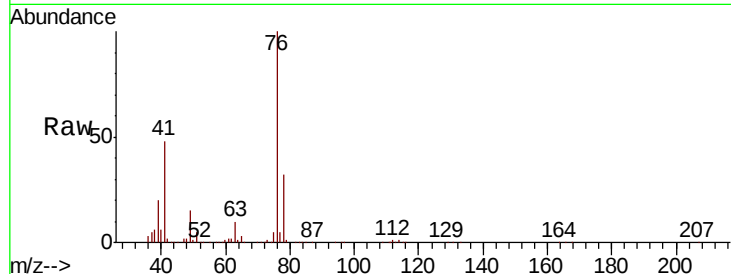




#57
 1,3-Dichloropropane
 Concen: 98.270 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

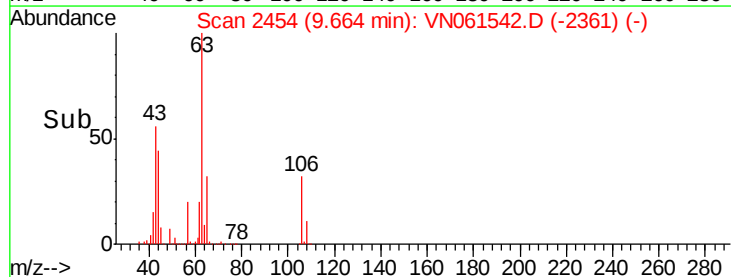
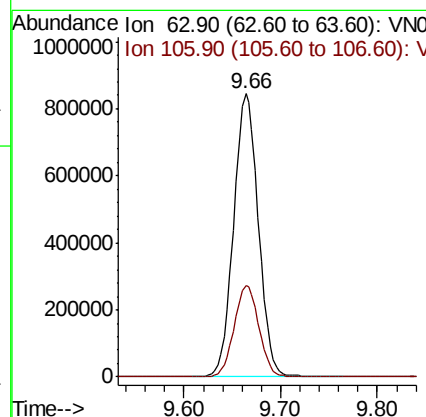
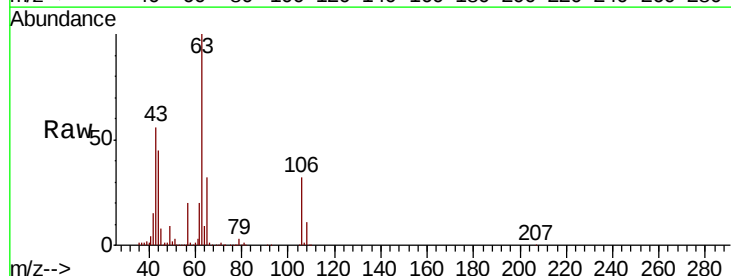
Instrument :
 MSVOA_N
 ClientSampleId :

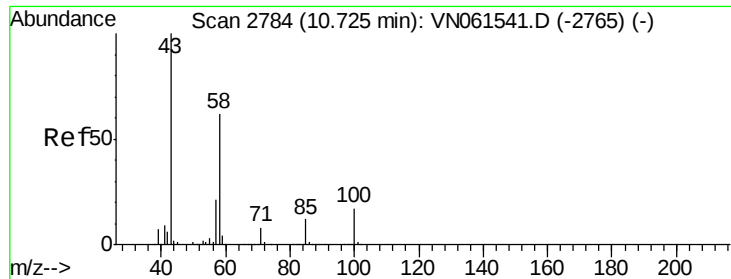
Tot Ion: 76 Resp: 738498
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 503.672 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion: 63 Resp: 1498269
 Ion Ratio Lower Upper
 63 100
 106 32.4 25.9 38.9

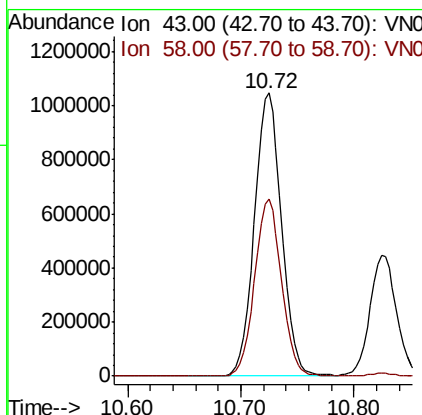
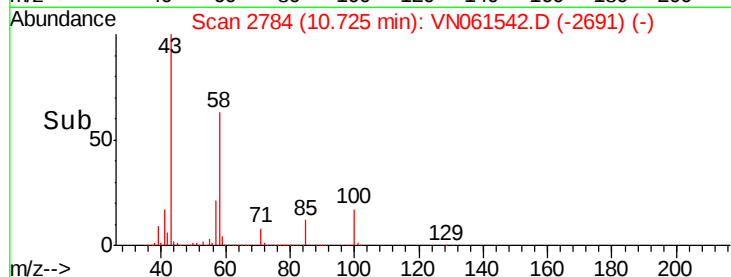
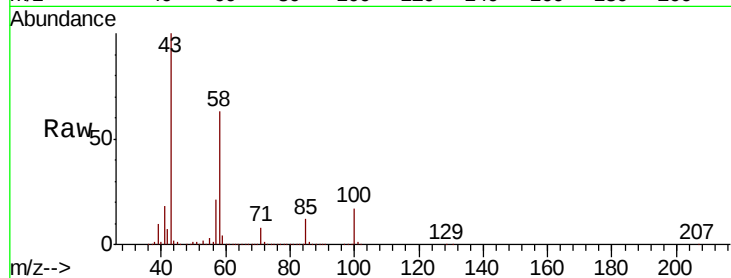




#59
2-Hexanone
Concen: 474.009 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

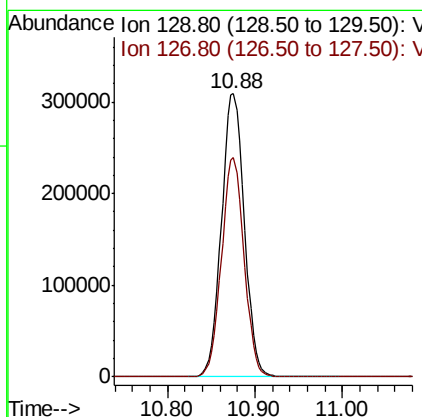
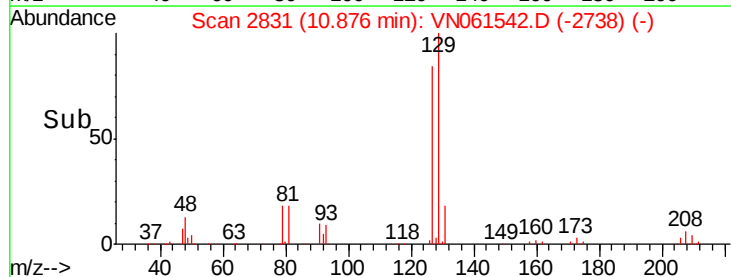
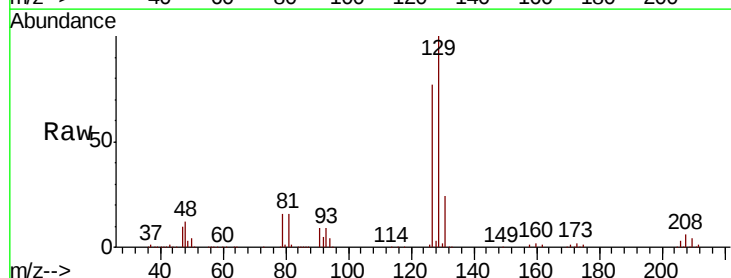
Instrument :
MSVOA_N
ClientSampled :

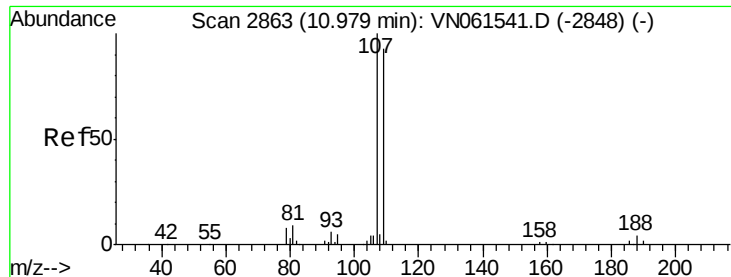
Tot Ion: 43 Resp: 1743071
Ion Ratio Lower Upper
43 100
58 62.1 30.7 92.1



#60
Dibromochloromethane
Concen: 114.818 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion: 129 Resp: 562202
Ion Ratio Lower Upper
129 100
127 76.2 38.8 116.3

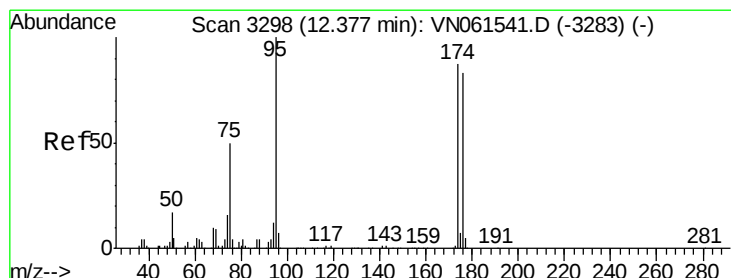
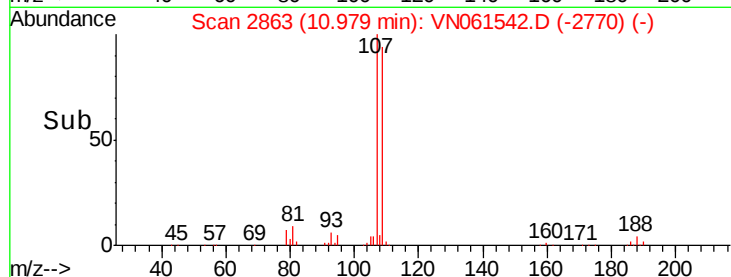
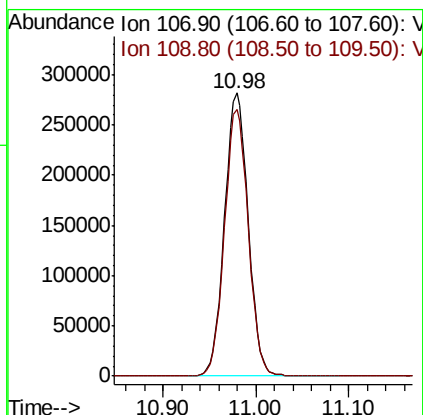
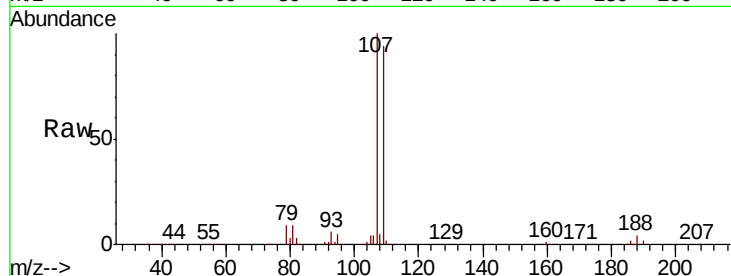




#61
 1,2-Dibromoethane
 Concen: 107.747 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

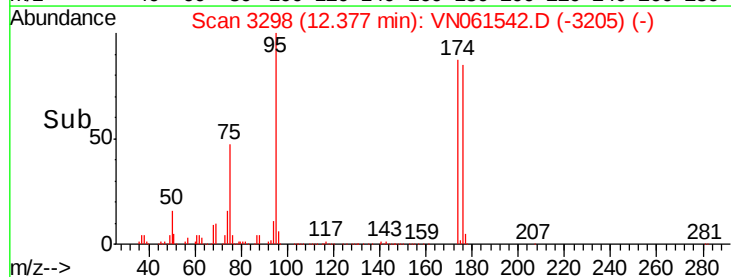
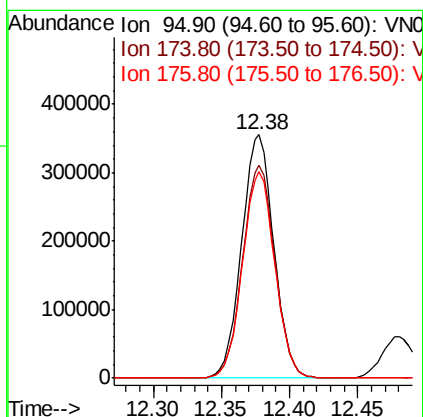
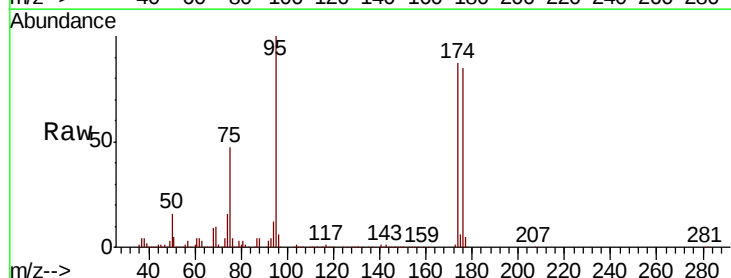
Instrument :
 MSVOA_N
 ClientSampleId :

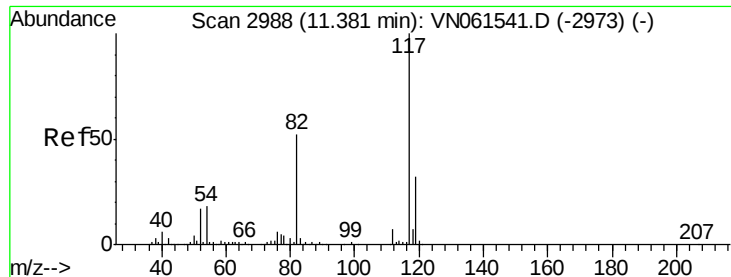
Tot Ion:107 Resp: 498846
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 100.045 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion: 95 Resp: 581582
 Ion Ratio Lower Upper
 95 100
 174 88.0 0.0 172.8
 176 85.1 0.0 164.8

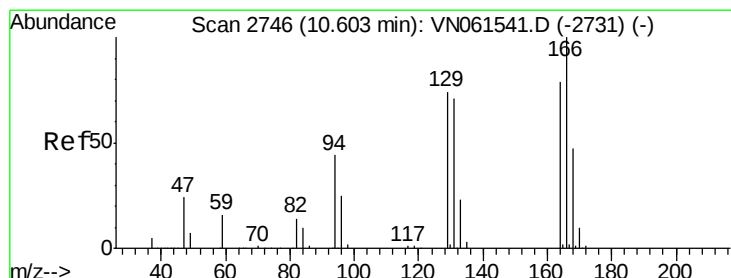
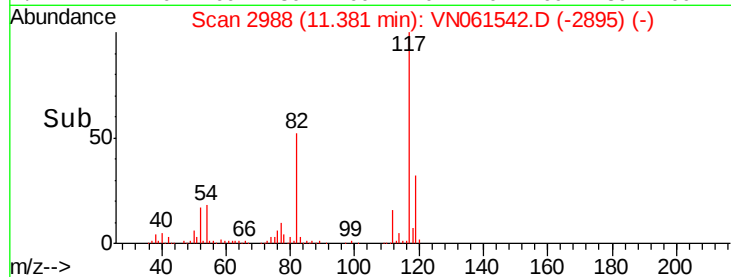
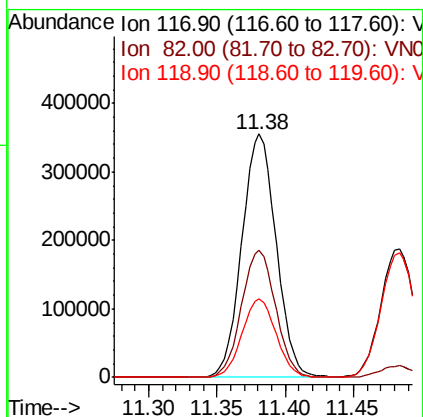
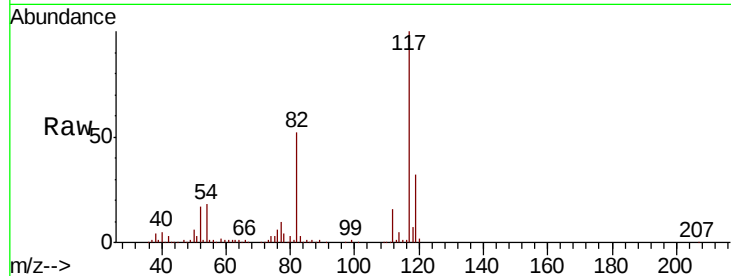




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

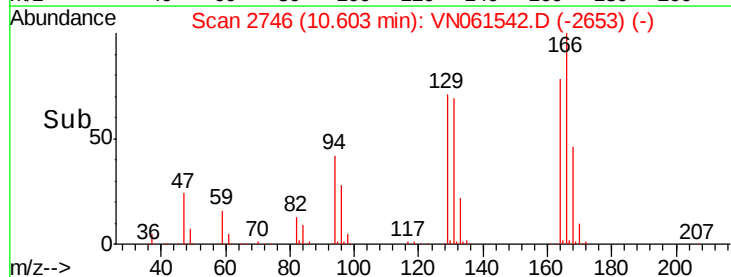
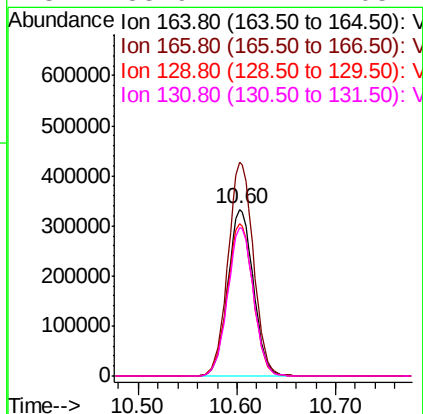
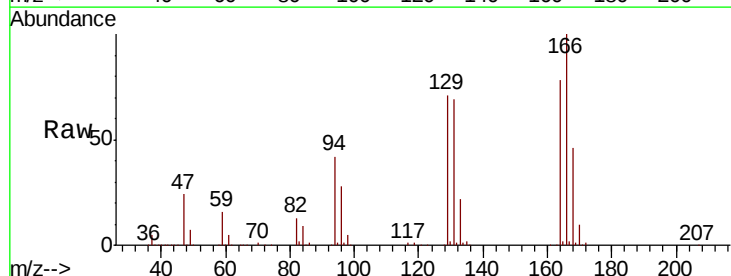
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 620589
Ion Ratio Lower Upper
117 100
82 52.3 41.5 62.3
119 32.1 25.6 38.4



#64
Tetrachloroethene
Concen: 121.511 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion:164 Resp: 601689
Ion Ratio Lower Upper
164 100
166 128.3 101.5 152.3
129 91.7 74.9 112.3
131 88.9 72.2 108.2

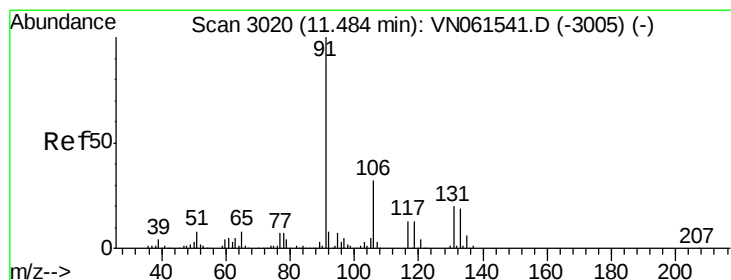
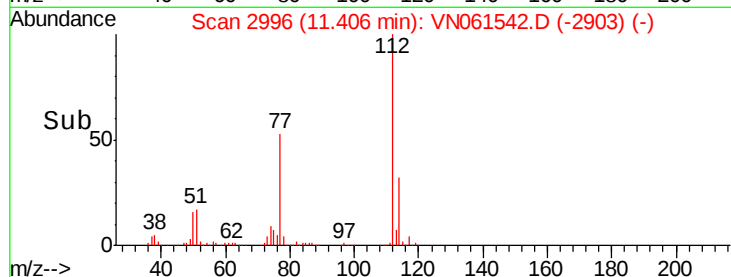
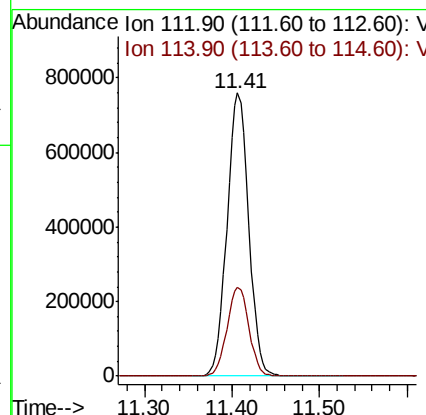
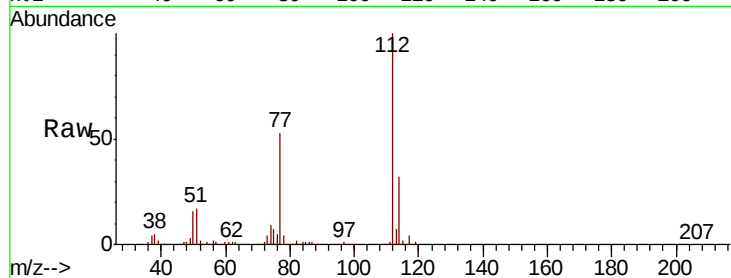




#65
Chlorobenzene
Concen: 103.318 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

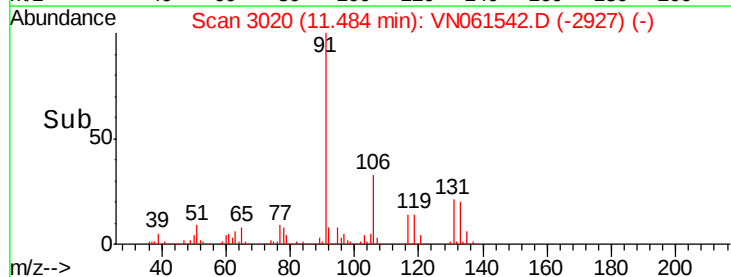
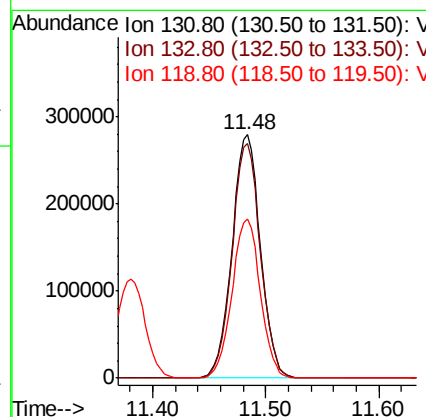
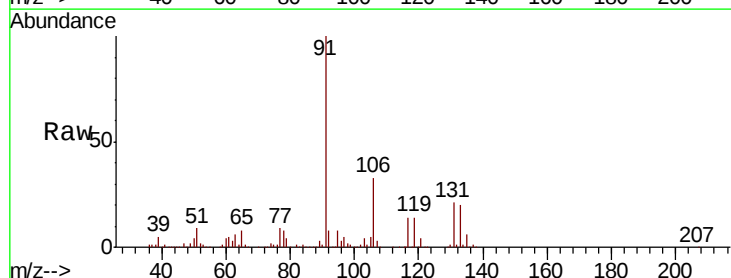
Instrument :
MSVOA_N
ClientSampled :

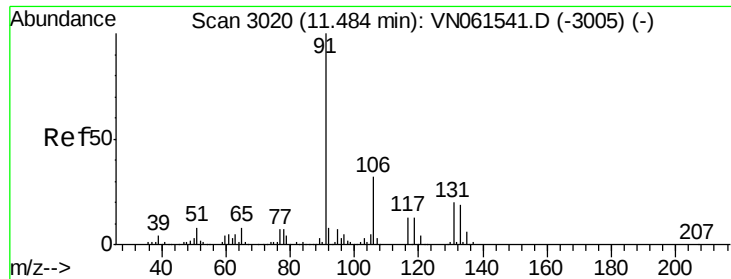
Tot Ion:112 Resp: 1303739
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 106.926 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion:131 Resp: 486762
Ion Ratio Lower Upper
131 100
133 96.3 47.4 142.2
119 65.3 32.6 97.8





#67

Ethyl Benzene

Concen: 98.354 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

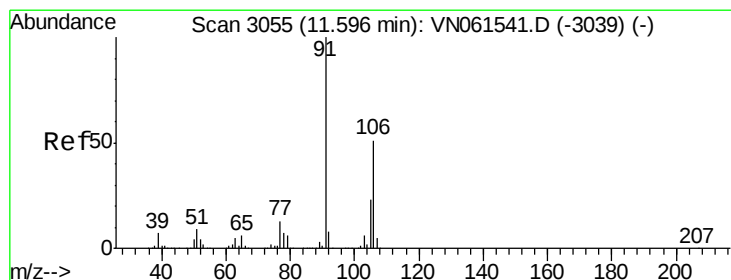
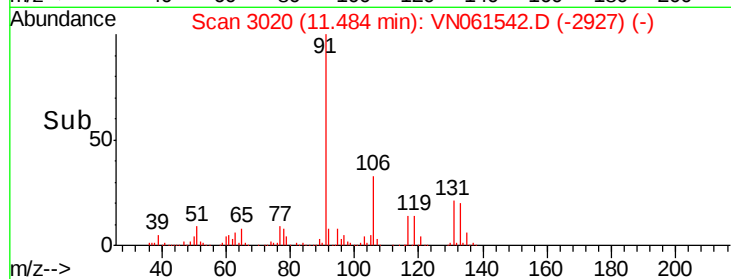
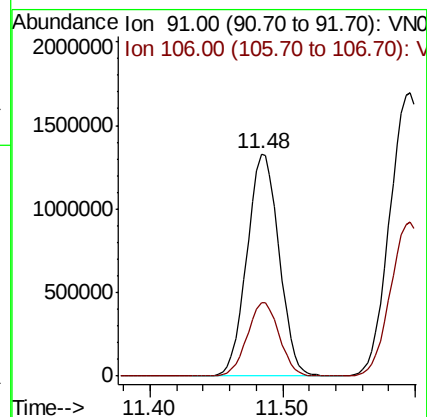
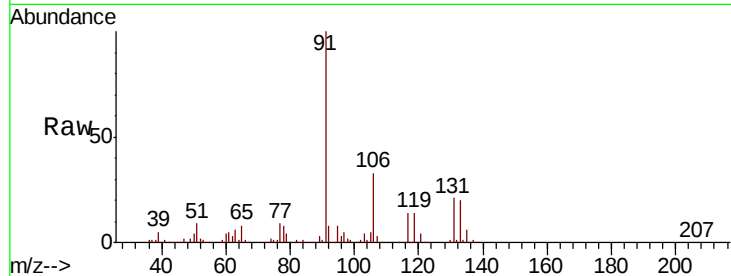
ClientSampled :

Tot Ion: 91 Resp: 2238228

Ion Ratio Lower Upper

91 100

106 33.0 25.6 38.4



#68

m/p-Xylenes

Concen: 207.090 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061542.D

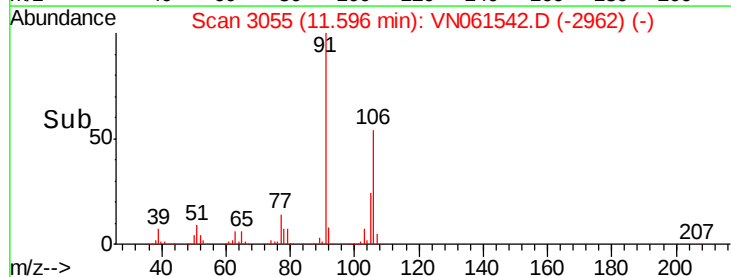
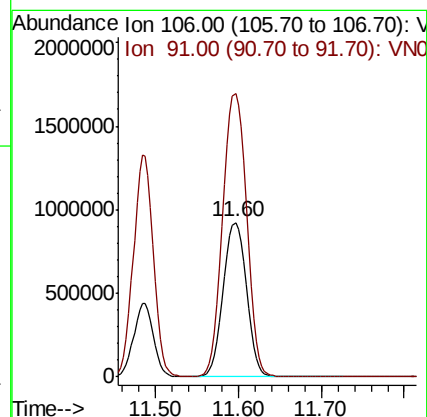
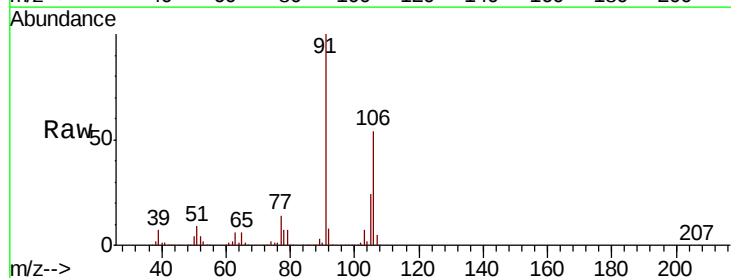
Acq: 28 May 2020 19:19

Tgt Ion: 106 Resp: 1801169

Ion Ratio Lower Upper

106 100

91 188.7 156.2 234.4

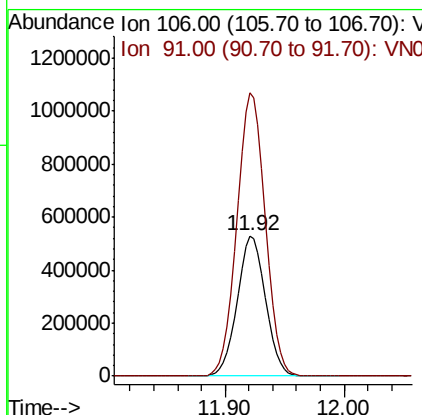
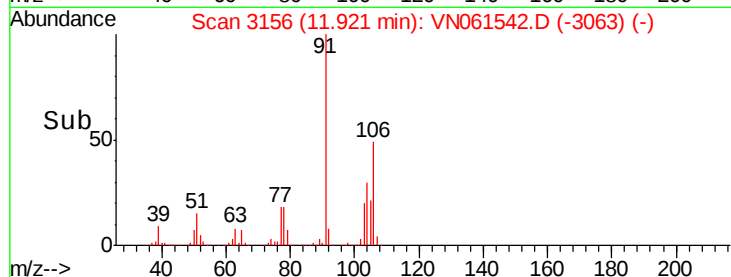
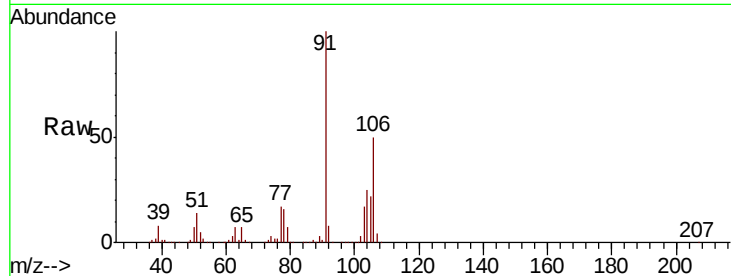




#69
o-Xylene
Concen: 103.169 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

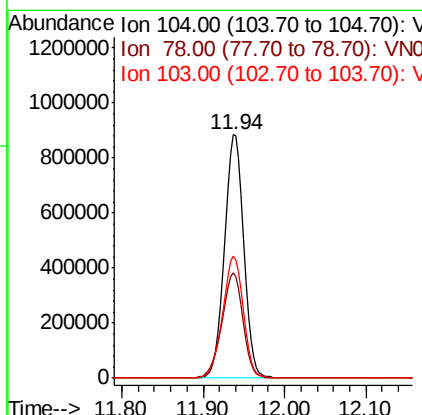
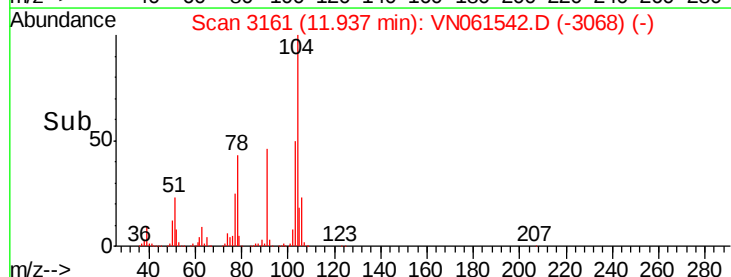
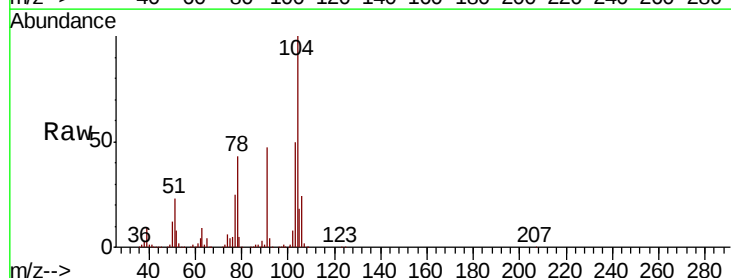
Instrument :
MSVOA_N
ClientSampleId :

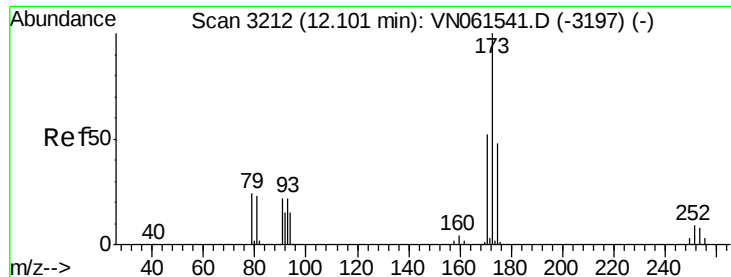
Tot Ion:106 Resp: 868490
Ion Ratio Lower Upper
106 100
91 203.2 103.3 309.8



#70
Styrene
Concen: 106.977 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion:104 Resp: 1488411
Ion Ratio Lower Upper
104 100
78 47.1 37.4 56.0
103 53.8 42.3 63.5





#71

Bromoform

Concen: 125.228 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

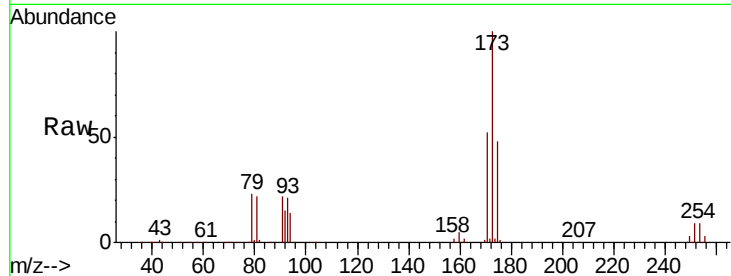
Tot Ion:173 Resp: 407708

Ion Ratio Lower Upper

173 100

175 48.2 24.4 73.2

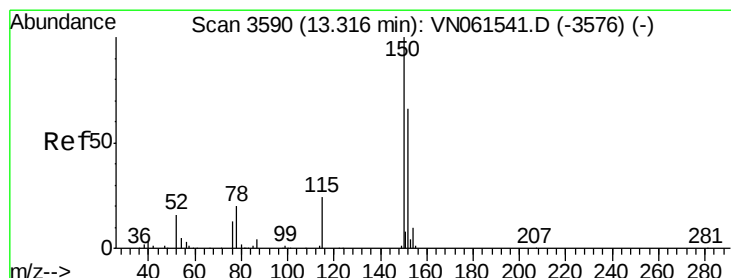
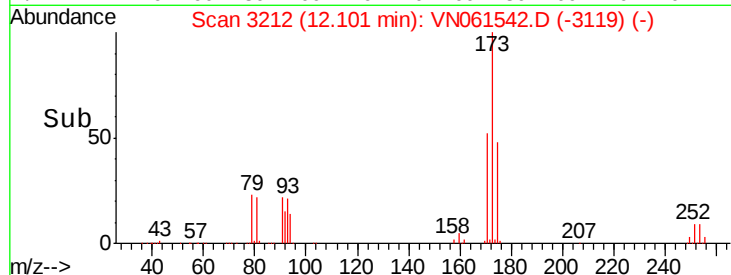
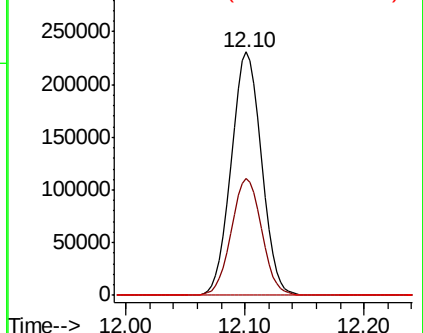
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

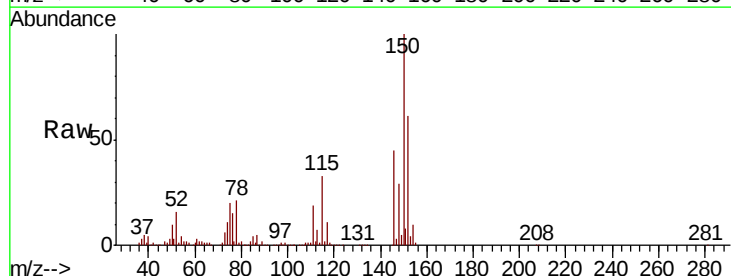
Tgt Ion:152 Resp: 322002

Ion Ratio Lower Upper

152 100

115 55.2 28.0 84.0

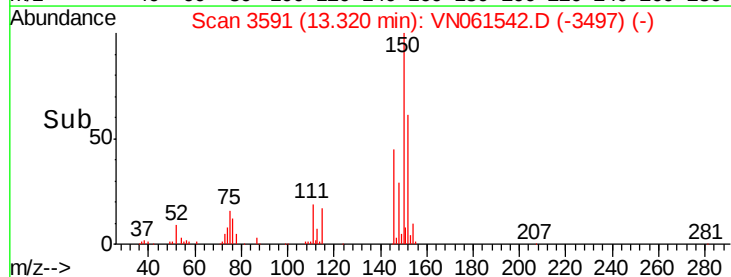
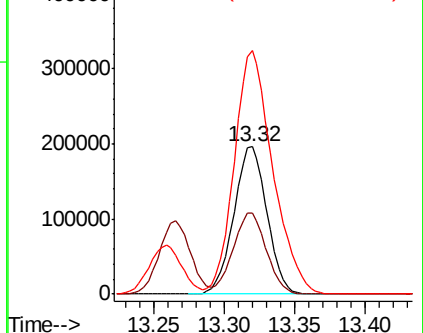
150 192.2 0.0 344.0

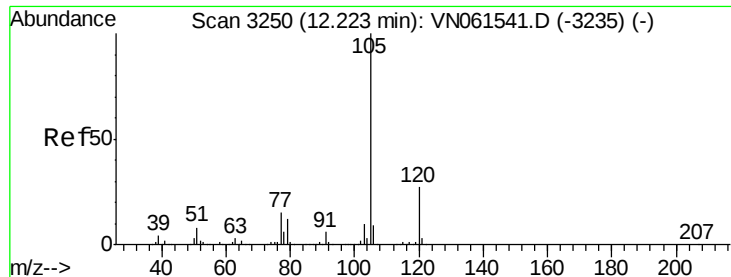


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 88.821 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

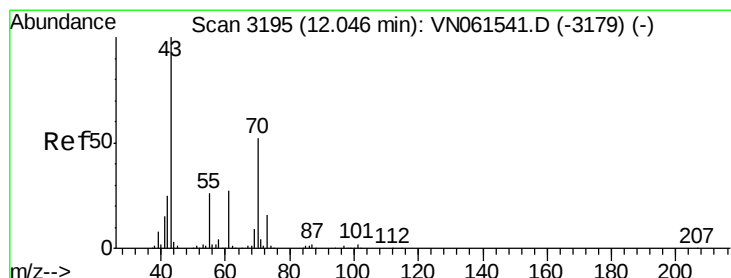
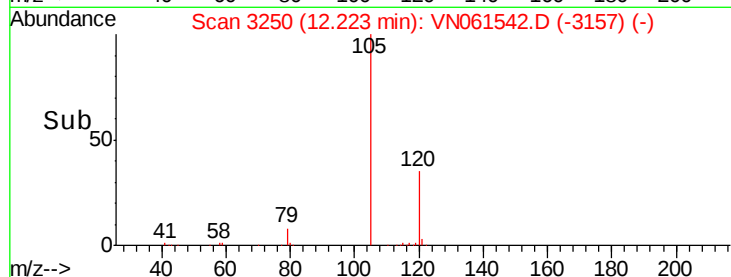
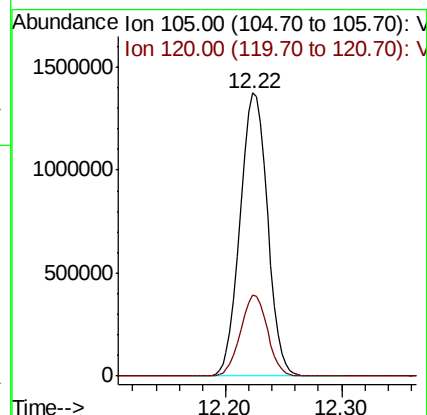
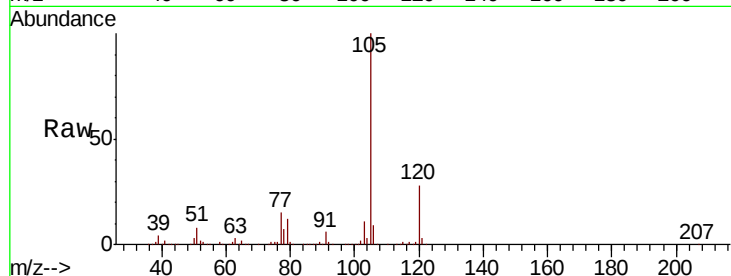
ClientSampleId :

Tot Ion:105 Resp: 2247538

Ion Ratio Lower Upper

105 100

120 28.1 13.8 41.3



#74

N-ethyl acetate

Concen: 83.478 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Tgt Ion: 43 Resp: 760707

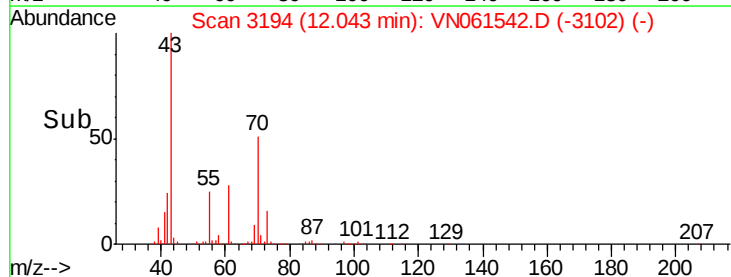
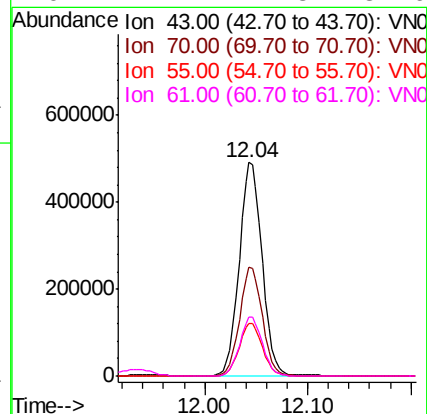
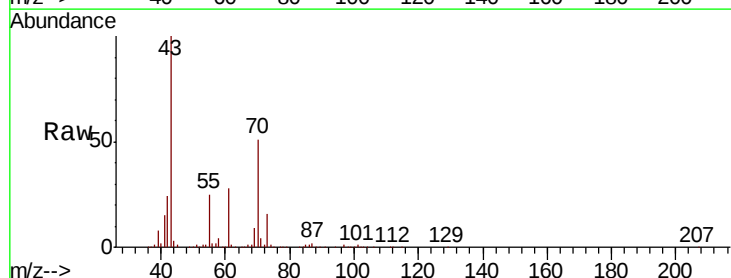
Ion Ratio Lower Upper

43 100

70 50.4 40.5 60.7

55 25.1 20.6 31.0

61 27.4 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 88.495 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampled :

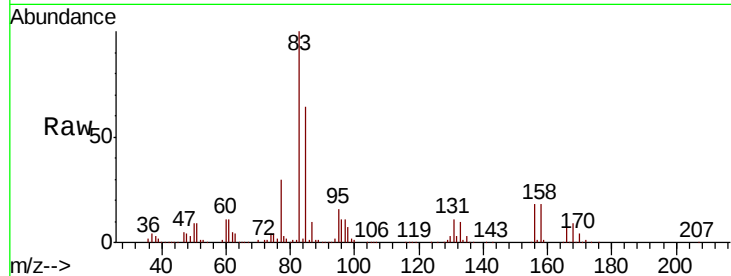
Tot Ion: 83 Resp: 616579

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.5

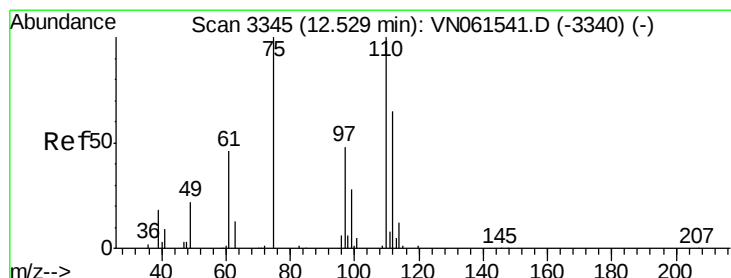
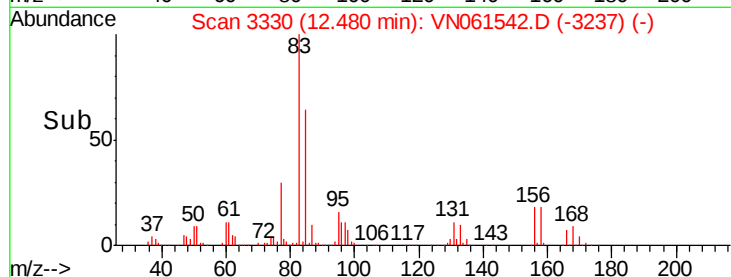
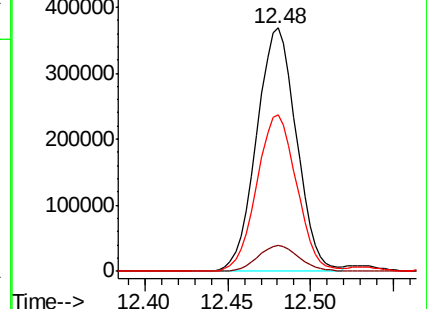
85 64.4 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061542.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN061542.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN061542.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 122.727 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061542.D

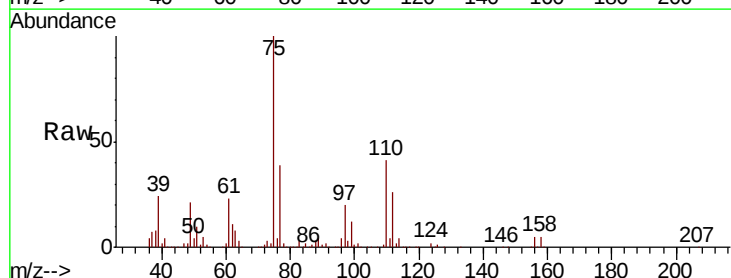
Acq: 28 May 2020 19:19

Tgt Ion: 75 Resp: 822681

Ion Ratio Lower Upper

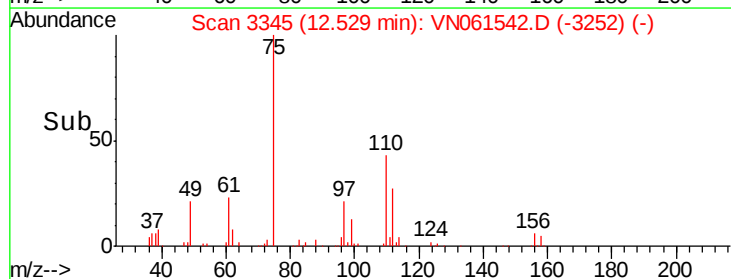
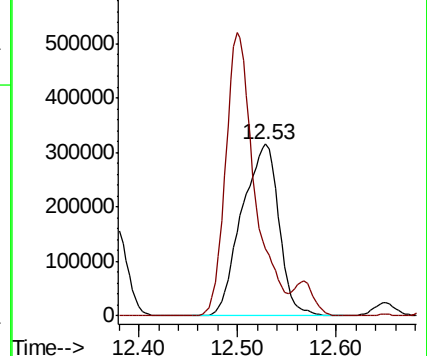
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061542.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061542.D (-3252) (-)





#77

Bromobenzene

Concen: 105.108 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampled :

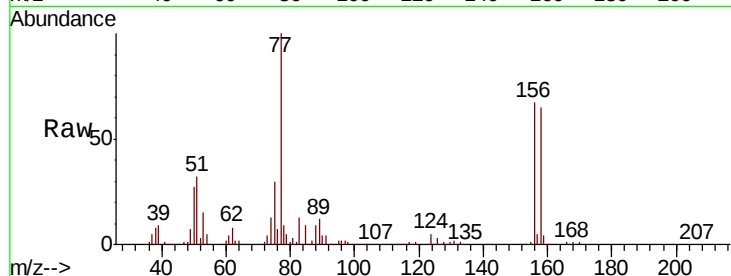
Tot Ion:156 Resp: 592897

Ion Ratio Lower Upper

156 100

77 180.8 90.9 272.7

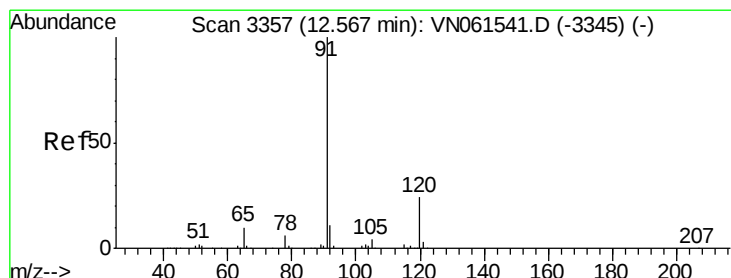
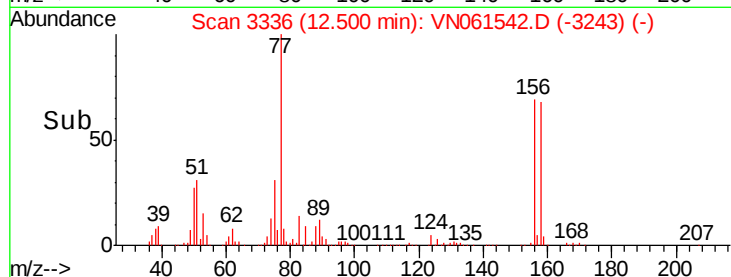
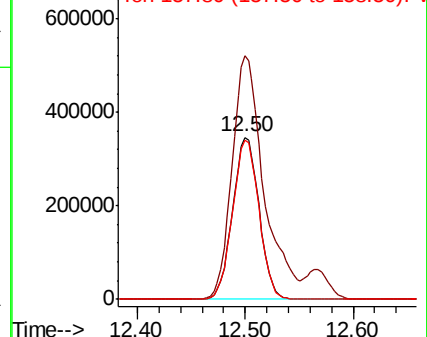
158 98.3 48.4 145.3



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: 88.030 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061542.D

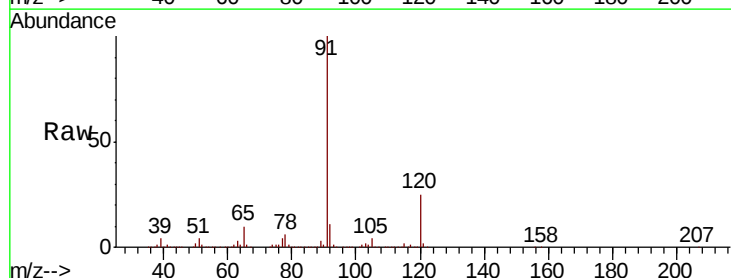
Acq: 28 May 2020 19:19

Tgt Ion: 91 Resp: 2523098

Ion Ratio Lower Upper

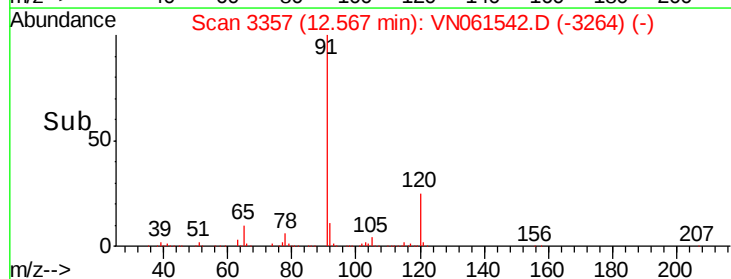
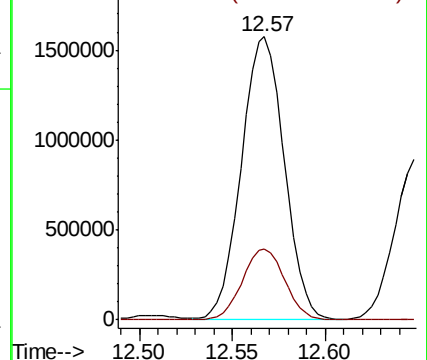
91 100

120 25.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

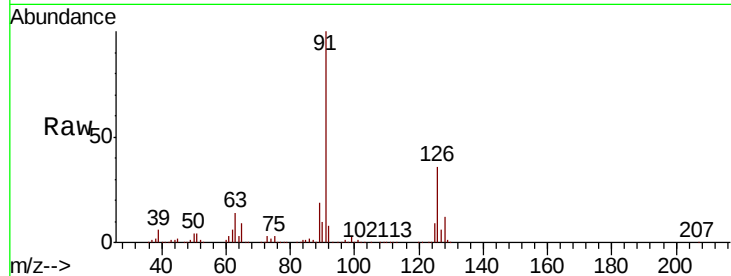




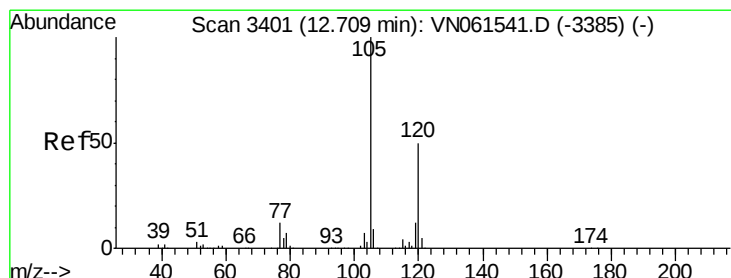
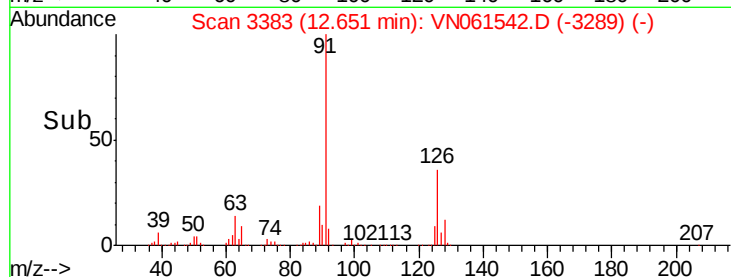
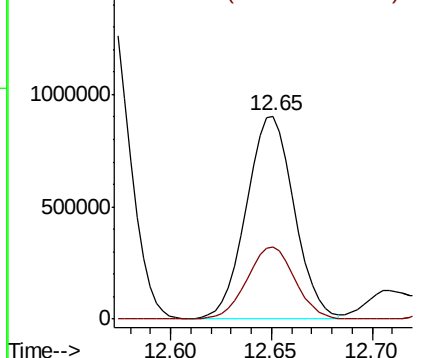
#79
 2-Chlorotoluene
 Concen: 87.608 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 1489599
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.9 53.7

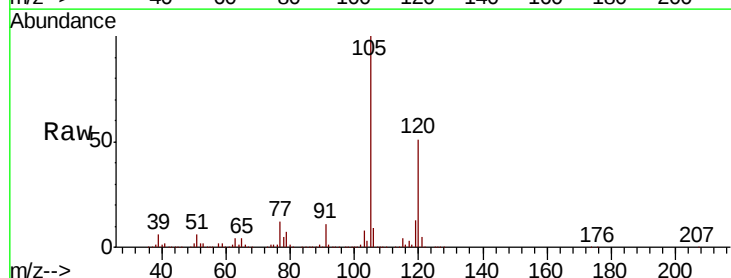


Abundance Ion 91.00 (90.70 to 91.70): VN061542.D (-3382) (-)
 Ion 125.90 (125.60 to 126.60): VN061542.D (-3382) (-)

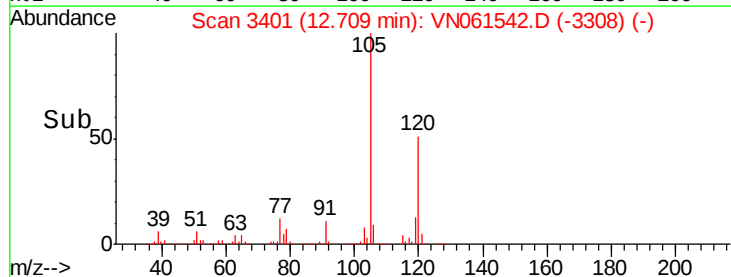
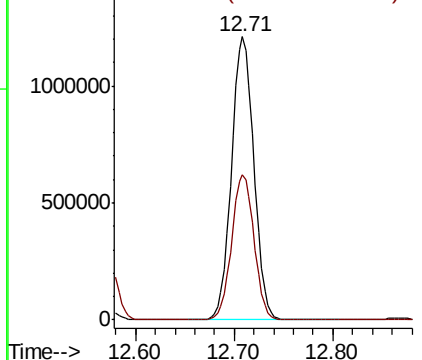


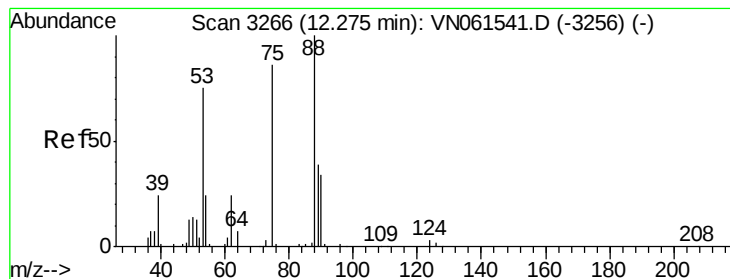
#80
 1,3,5-Trimethylbenzene
 Concen: 92.095 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion: 105 Resp: 1909659
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061542.D (-3401) (-)
 Ion 120.00 (119.70 to 120.70): VN061542.D (-3401) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 89.825 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

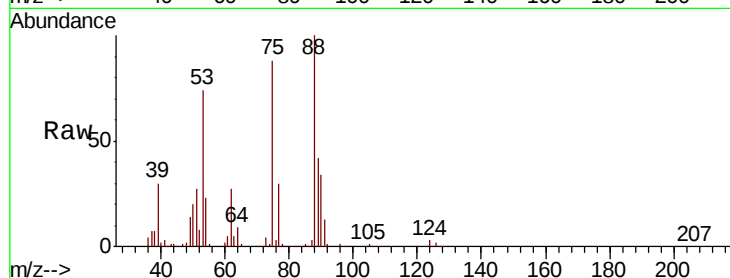
Tot Ion: 75 Resp: 228808

Ion Ratio Lower Upper

75 100

53 84.7 67.8 101.8

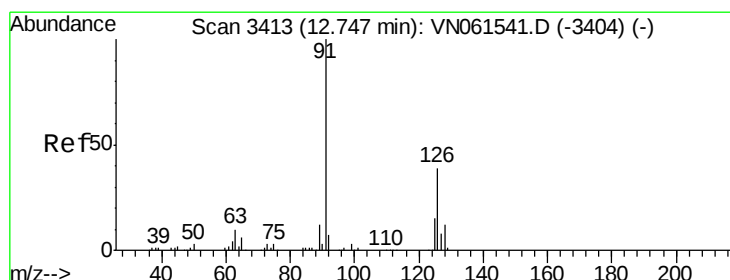
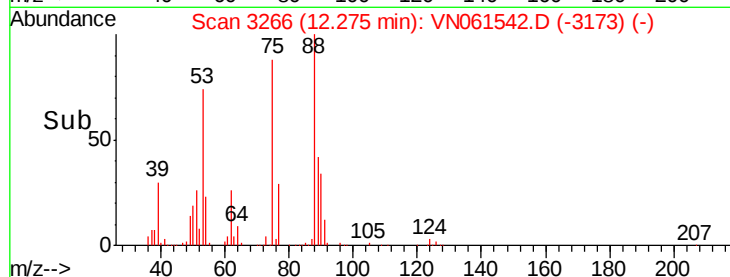
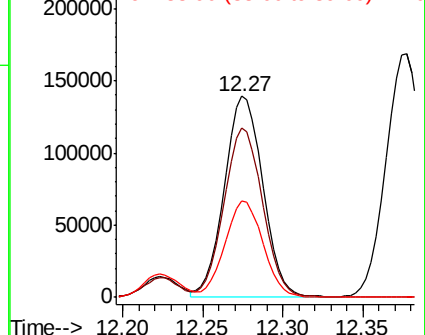
89 47.5 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061541.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN061541.D (-3256) (-)



#82

4-Chlorotoluene

Concen: 90.054 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061542.D

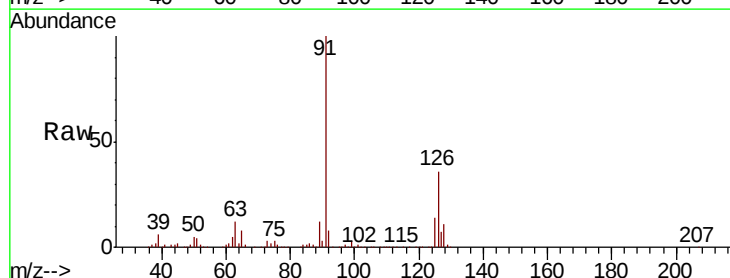
Acq: 28 May 2020 19:19

Tgt Ion: 91 Resp: 1585007

Ion Ratio Lower Upper

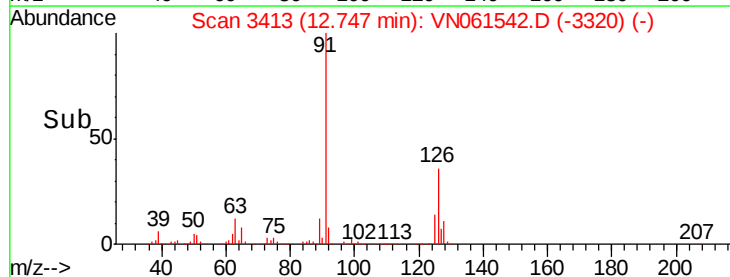
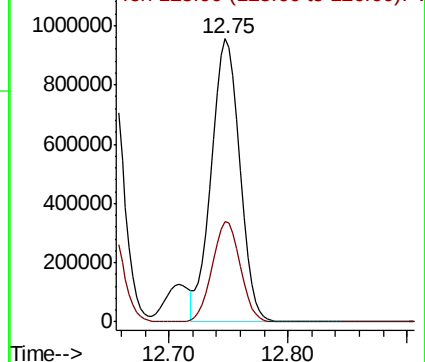
91 100

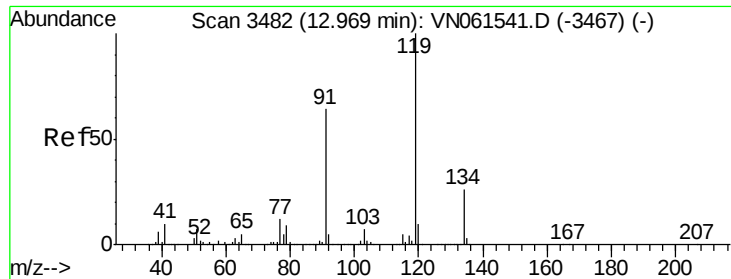
126 35.1 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3404) (-)

Ion 125.90 (125.60 to 126.60): VN061541.D (-3404) (-)

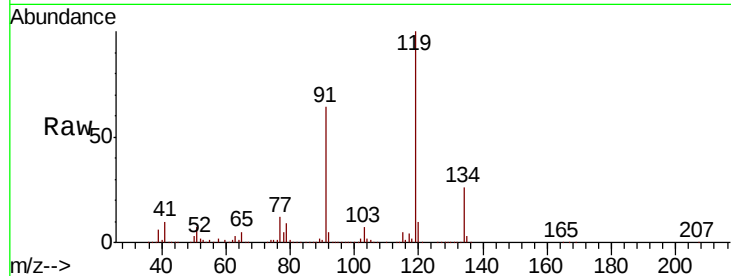




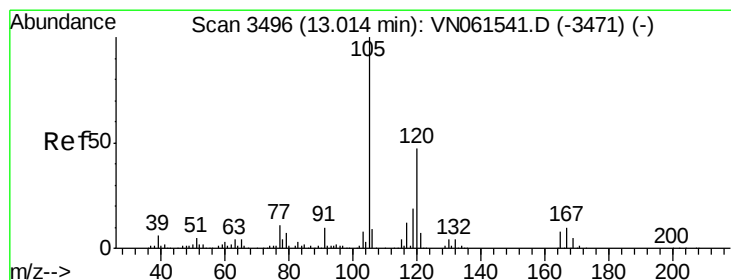
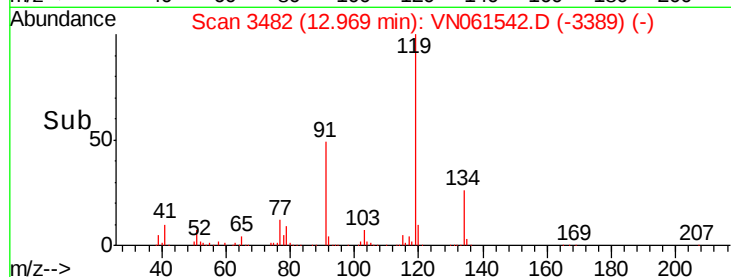
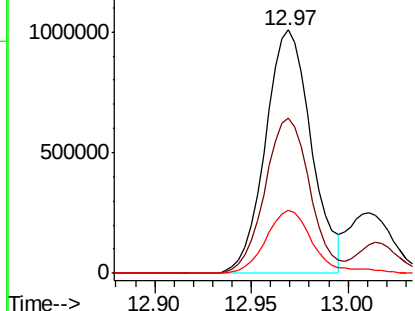
#83
tert-Butylbenzene
Concen: 93.155 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 1659384
Ion Ratio Lower Upper
119 100
91 62.8 31.3 93.8
134 26.9 13.5 40.4

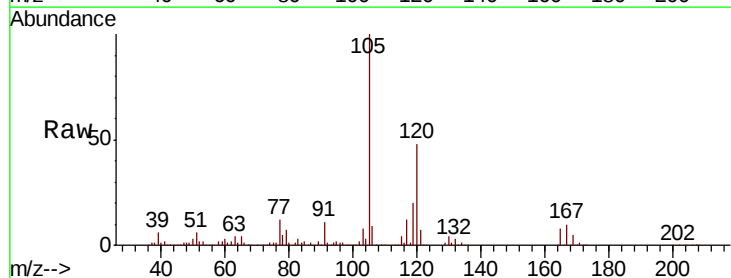


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

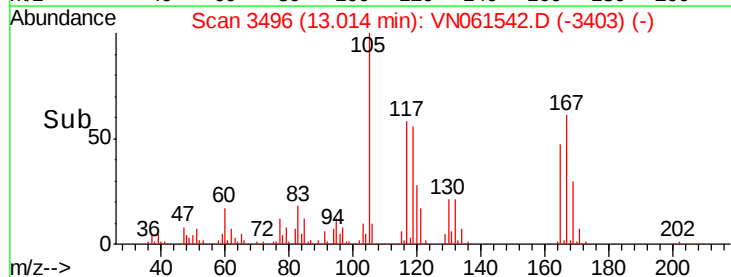
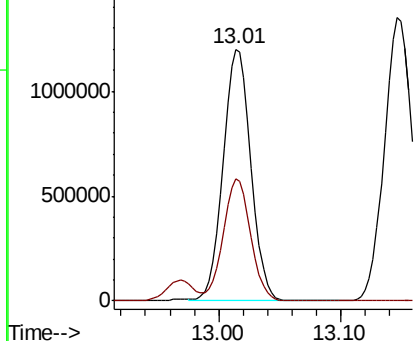


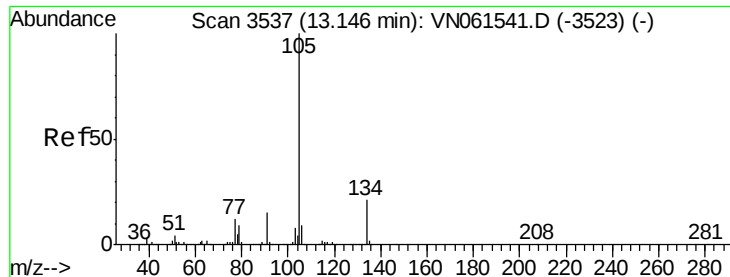
#84
1,2,4-Trimethylbenzene
Concen: 92.184 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion:105 Resp: 1912689
Ion Ratio Lower Upper
105 100
120 48.1 23.2 69.5



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





#85

sec-Butylbenzene

Concen: 90.952 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

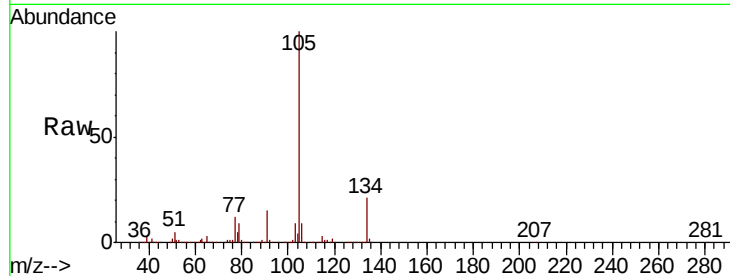
ClientSampled :

Tot Ion:105 Resp: 2176002

Ion Ratio Lower Upper

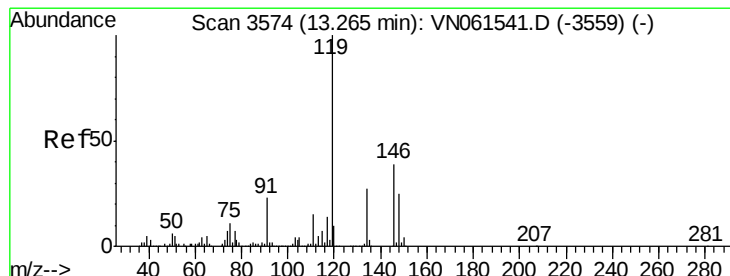
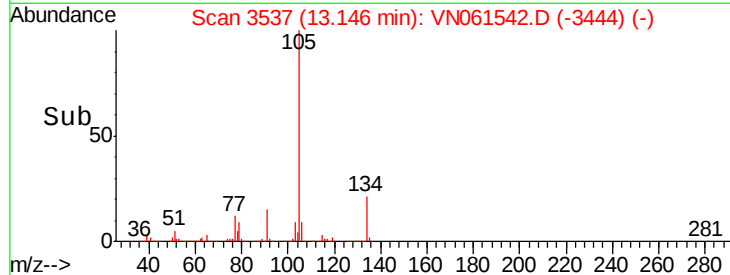
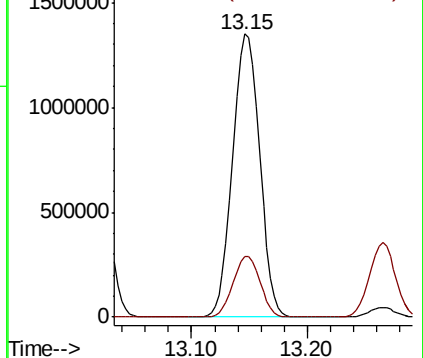
105 100

134 21.3 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 95.261 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

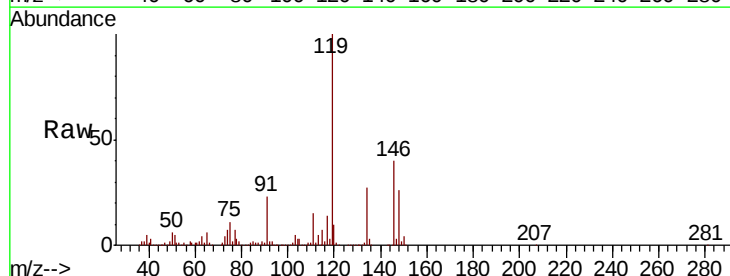
Tgt Ion:119 Resp: 2036043

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

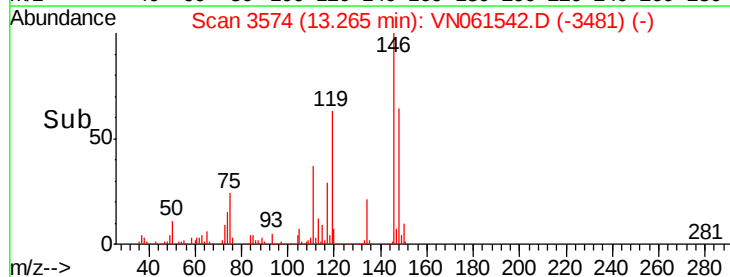
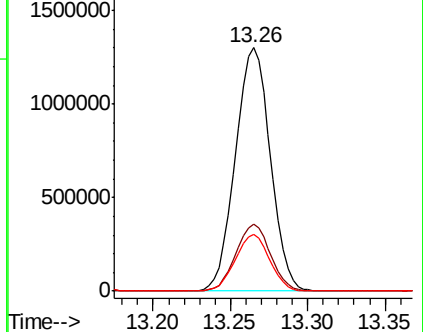
91 22.9 11.4 34.1

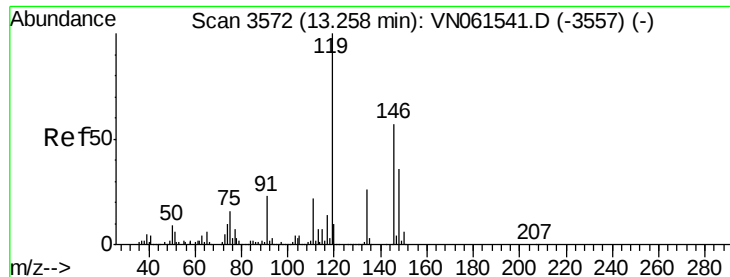


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

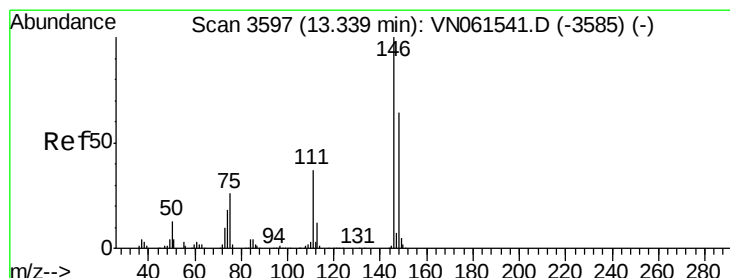
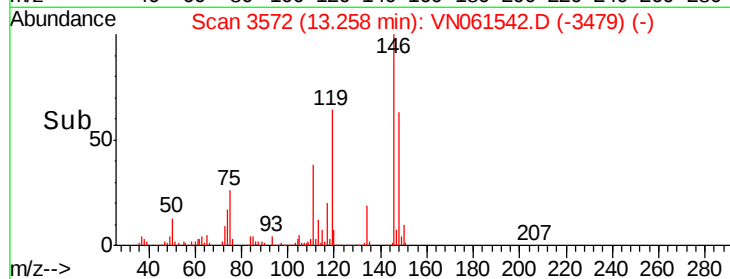
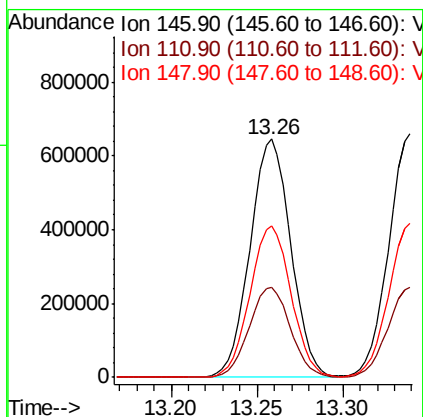
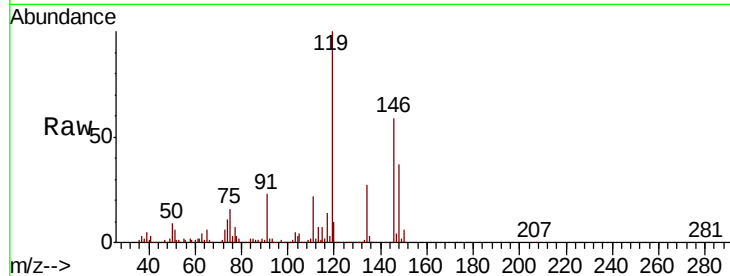




#87
 1,3-Dichlorobenzene
 Concen: 103.840 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

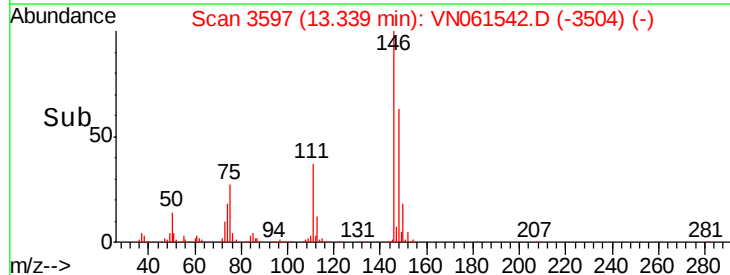
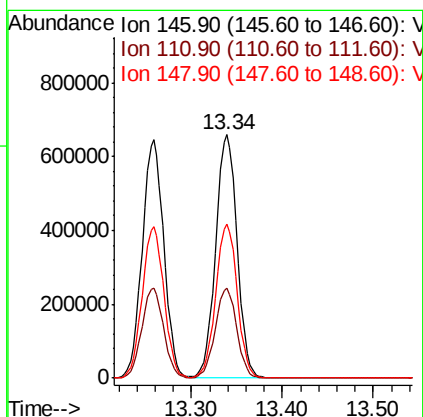
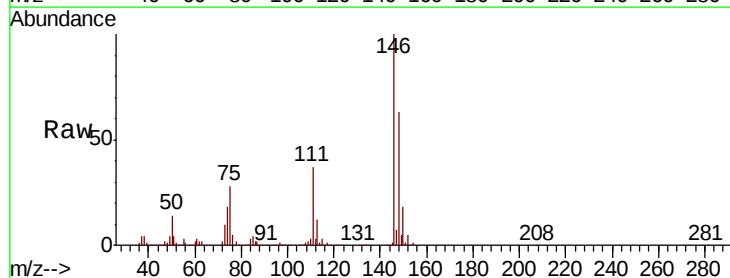
Instrument :
 MSVOA_N
 ClientSampleId :

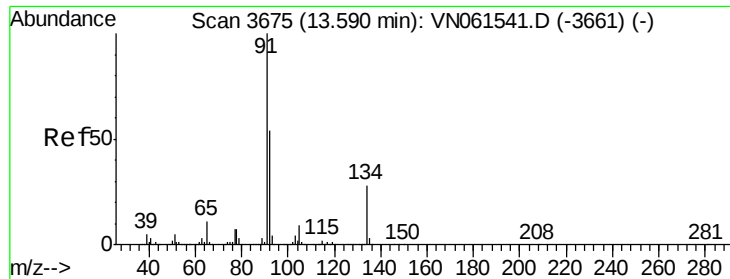
Tot Ion:146 Resp: 1063328
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.2 57.6
 148 63.8 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 104.979 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion:146 Resp: 1076278
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.9 56.9
 148 63.5 31.8 95.3

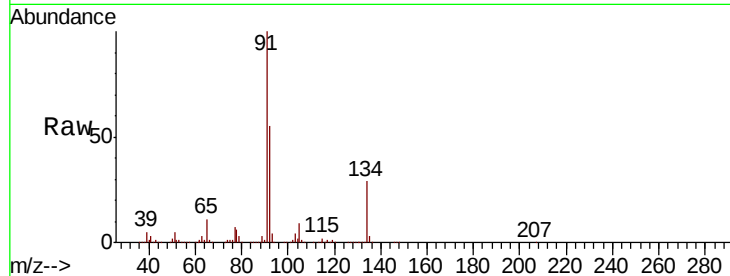




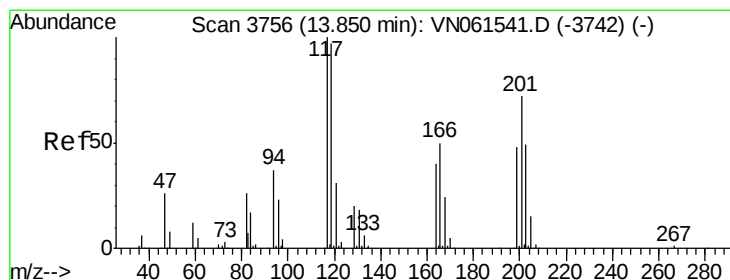
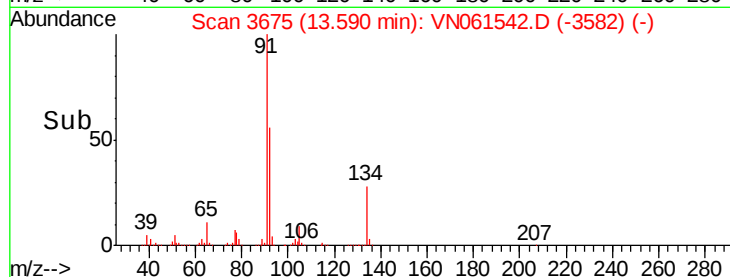
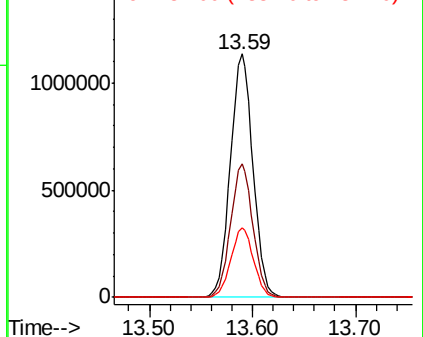
#89
n-Butylbenzene
Concen: 90.136 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 1727400
Ion Ratio Lower Upper
91 100
92 54.4 27.2 81.6
134 28.6 14.0 42.0

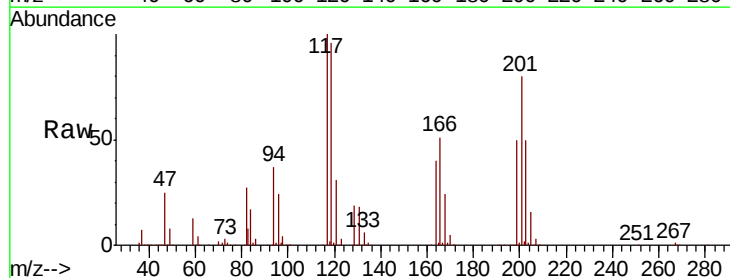


Abundance Ion 91.00 (90.70 to 91.70): VN061542.D (-3661) (-)
Ion 92.00 (91.70 to 92.70): VN061542.D (-3661) (-)
Ion 134.00 (133.70 to 134.70): VN061542.D (-3661) (-)

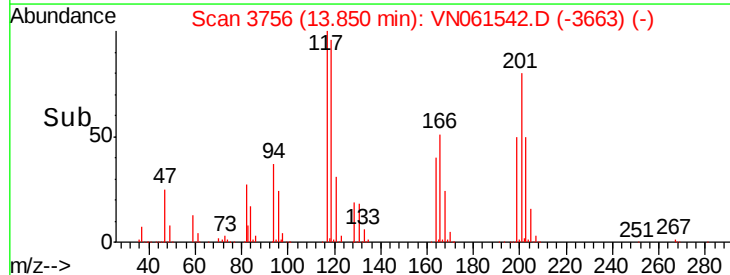
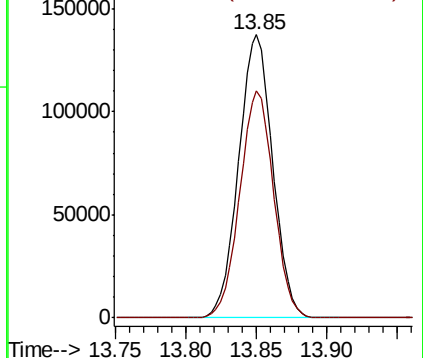


#90
Hexachloroethane
Concen: 83.420 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061542.D
Acq: 28 May 2020 19:19

Tgt Ion: 117 Resp: 232485
Ion Ratio Lower Upper
117 100
201 79.7 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061542.D (-3742) (-)
Ion 200.70 (200.40 to 201.40): VN061542.D (-3742) (-)





#91

1,2-Dichlorobenzene

Concen: 102.736 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

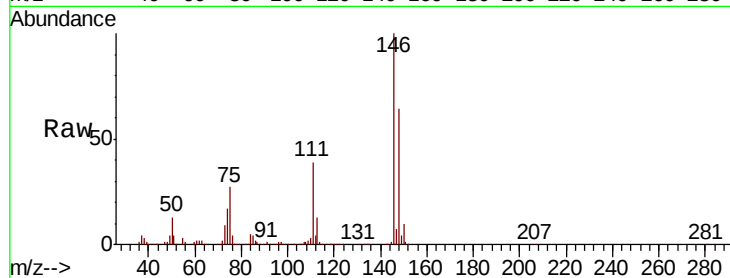
Tot Ion:146 Resp: 1009278

Ion Ratio Lower Upper

146 100

111 39.7 20.1 60.2

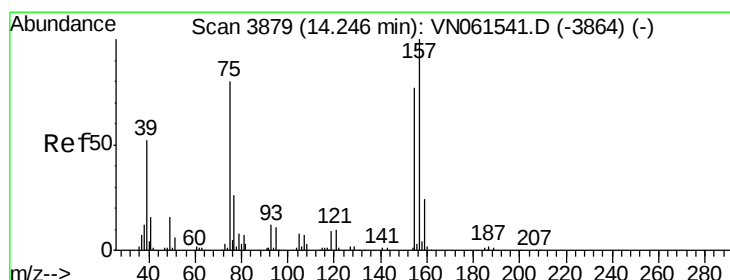
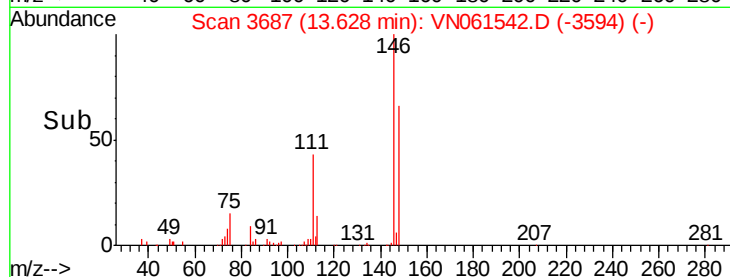
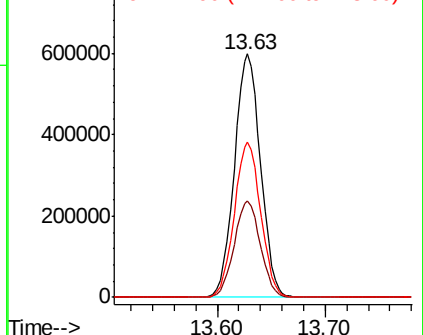
148 64.5 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 87.860 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

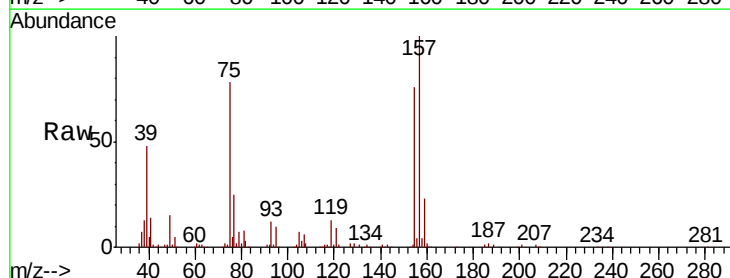
Tgt Ion: 75 Resp: 123677

Ion Ratio Lower Upper

75 100

155 97.9 47.1 141.4

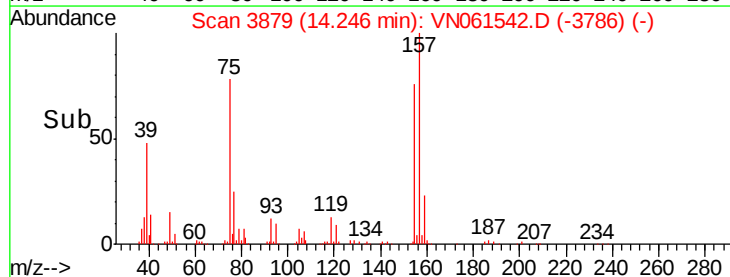
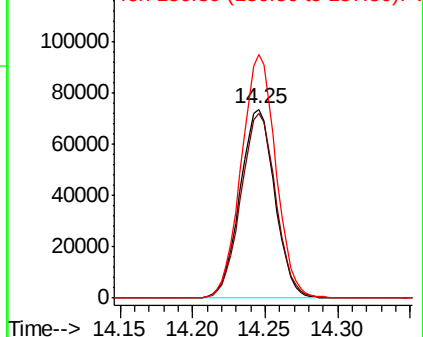
157 128.1 60.3 180.8



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

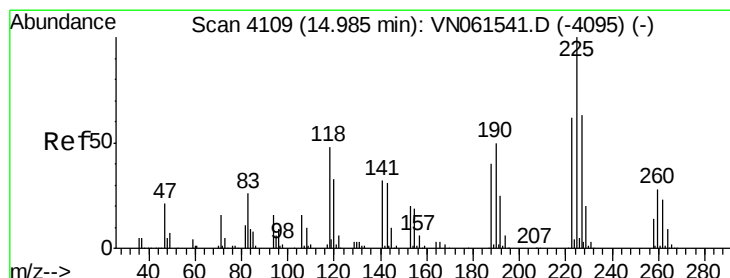
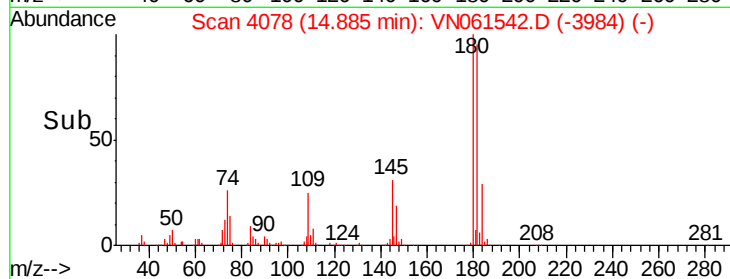
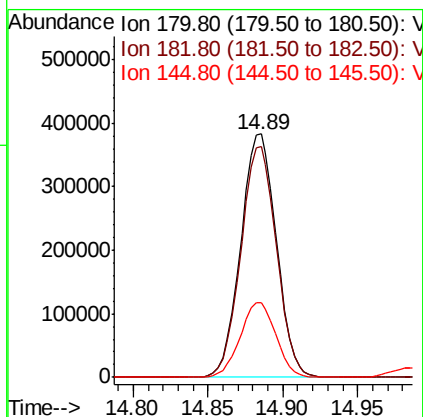
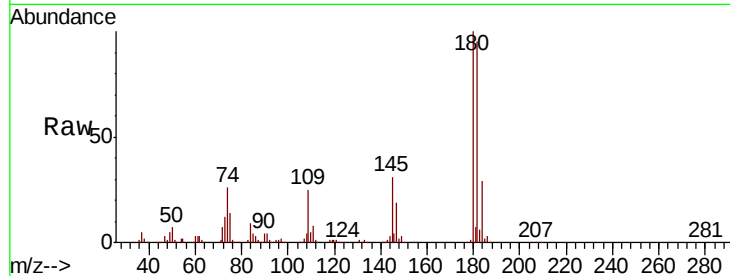




#93
 1,2,4-Trichlorobenzene
 Concen: 118.035 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

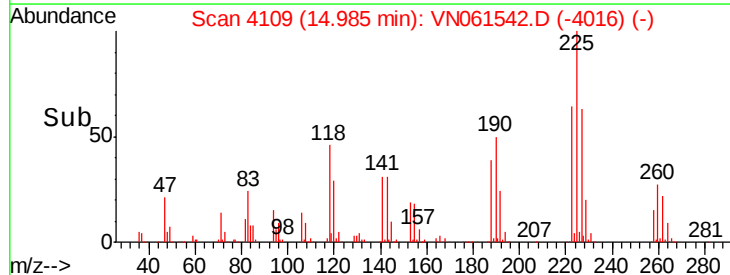
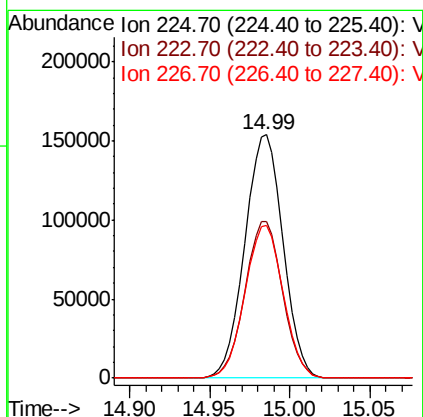
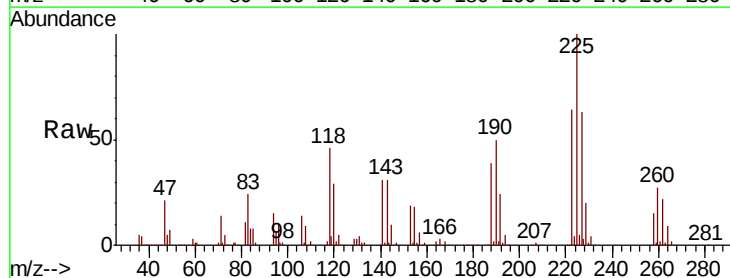
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.8	143.3
145	30.9	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 106.152 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061542.D
 Acq: 28 May 2020 19:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.5
227	62.5	31.9	95.9





#95

Naphthalene

Concen: 113.441 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

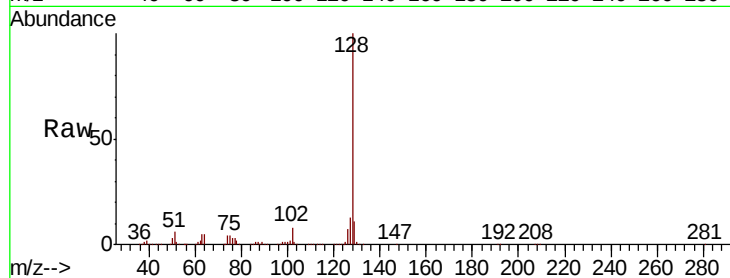
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:128 Resp: 1932890

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.0	15.0
129	10.8	8.5	12.7

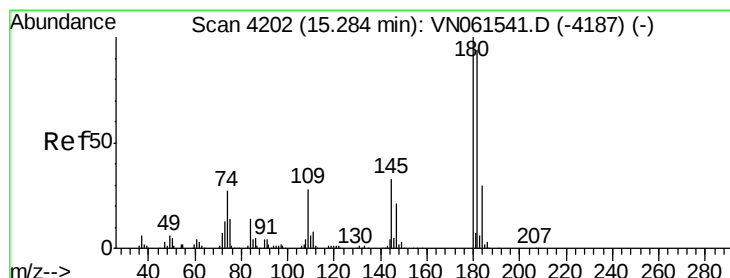
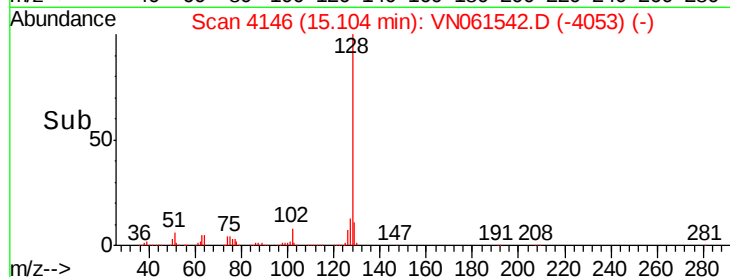


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 114.740 ug/l

RT: 15.28 min Scan# 4202

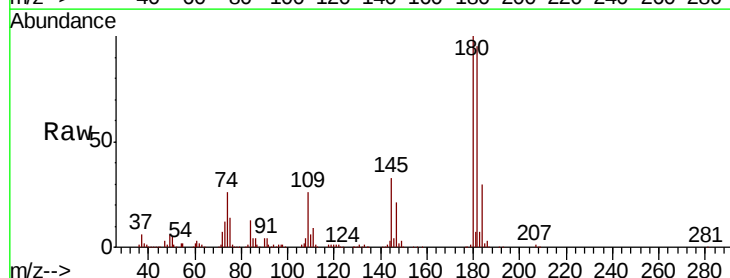
Delta R.T. 0.00 min

Lab File: VN061542.D

Acq: 28 May 2020 19:19

Tgt Ion:180 Resp: 616190

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.1	141.3
145	33.3	16.3	48.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

