

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032422\
 Data File : VD072412.D
 Acq On : 24 Mar 2022 17:19
 Operator : VA/SY
 Sample : N2089-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-032322

Quant Time: Mar 25 02:56:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

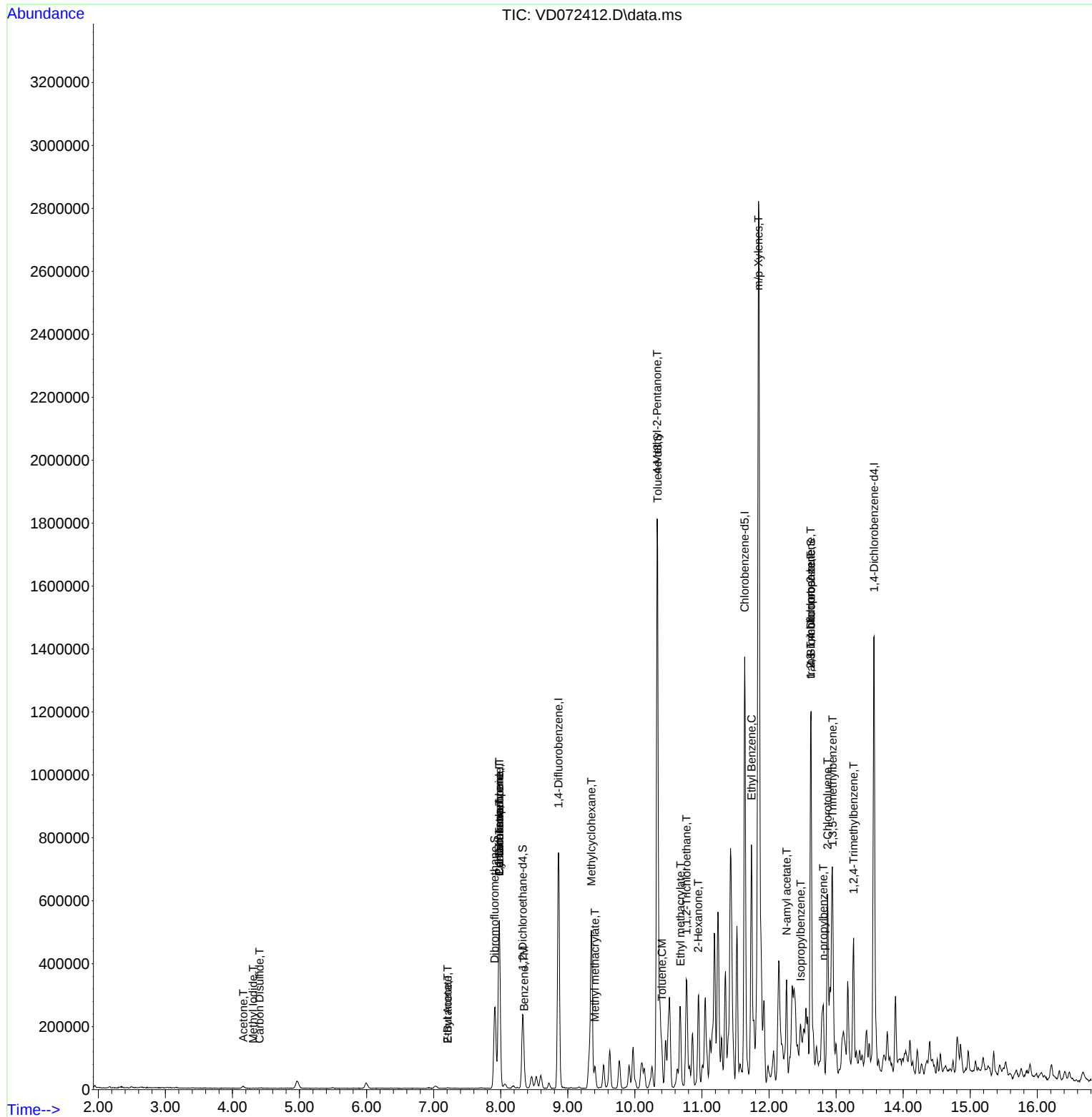
Internal Standards						
1) Pentafluorobenzene	7.979	168	372198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	644427	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	751825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	373641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	174863	42.157	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.320%		
35) Dibromofluoromethane	7.909	113	189185	41.718	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.440%		
50) Toluene-d8	10.338	98	874048	52.711	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.420%		
62) 4-Bromofluorobenzene	12.626	95	379196	58.854	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	117.700%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.309	142	638	2.387	ug/l #	49
16) Acetone	4.162	43	11081	12.304	ug/l	94
17) Carbon Disulfide	4.403	76	3204	1.890	ug/l #	74
20) Methylene Chloride	4.968	84	18518	Below Cal		85
25) 2-Butanone	7.209	43	3136	2.612	ug/l #	76
31) Cyclohexane	7.979	56	16722	2.580	ug/l #	30
36) 1,1-Dichloropropene	7.979	75	32065	5.040	ug/l #	51
37) Ethyl Acetate	7.209	43	3136	1.125	ug/l #	72
38) Carbon Tetrachloride	7.979	117	38141	5.274	ug/l #	17
39) Methylcyclohexane	9.350	83	193537	27.034	ug/l	95
40) Benzene	8.350	78	32356	1.783	ug/l	98
48) Methyl methacrylate	9.403	41	12399	4.801	ug/l #	19
51) 4-Methyl-2-Pentanone	10.332	43	23961	8.434	ug/l	100
52) Toluene	10.403	92	51772	4.335	ug/l	100
55) 1,1,2-Trichloroethane	10.767	97	127659	34.226	ug/l #	20
56) Ethyl methacrylate	10.679	69	25483	5.833	ug/l #	17
59) 2-Hexanone	10.944	43	113720	57.957	ug/l #	32
67) Ethyl Benzene	11.738	91	472417	15.869	ug/l	99
68) m/p-Xylenes	11.844	106	619044	54.764	ug/l	100
73) Isopropylbenzene	12.473	105	59046	1.994	ug/l	99
74) N-amyl acetate	12.261	43	70037	11.007	ug/l #	61
76) 1,2,3-Trichloropropane	12.620	75	198849	48.246	ug/l #	100
78) n-propylbenzene	12.808	91	143426	3.988	ug/l	100
79) 2-Chlorotoluene	12.873	91	40237	1.935	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.949	105	103315	4.062	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.620	75	198849	119.702	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.261	105	231342	9.230	ug/l	100

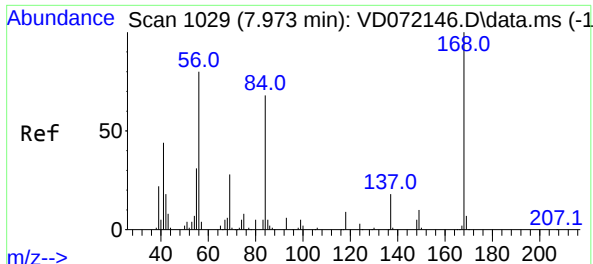
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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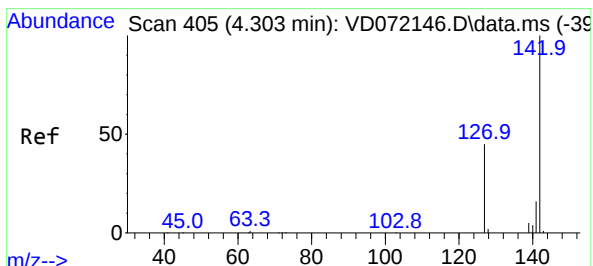
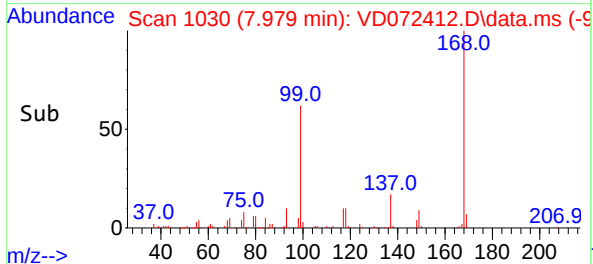
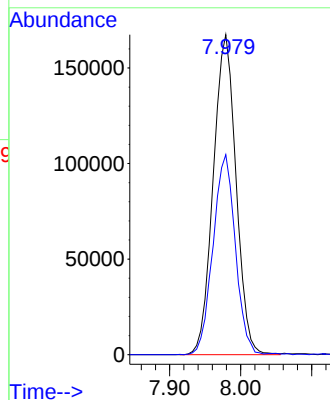
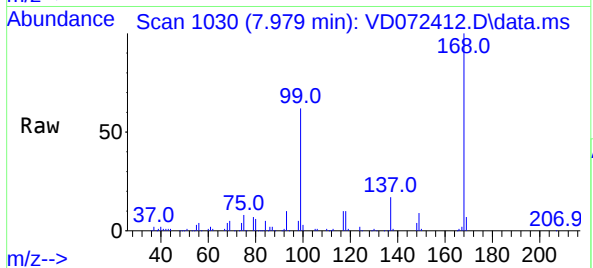




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

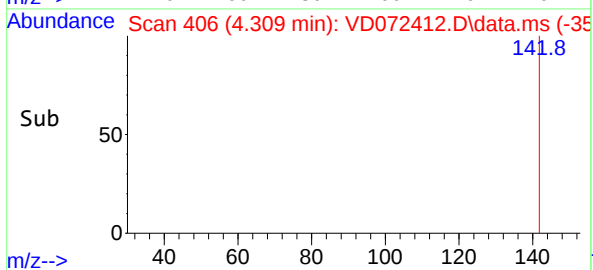
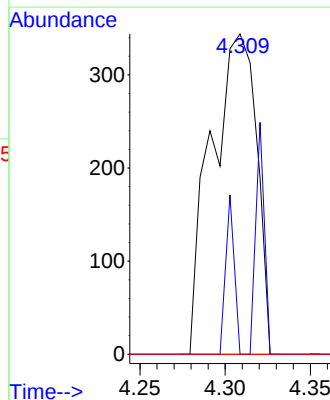
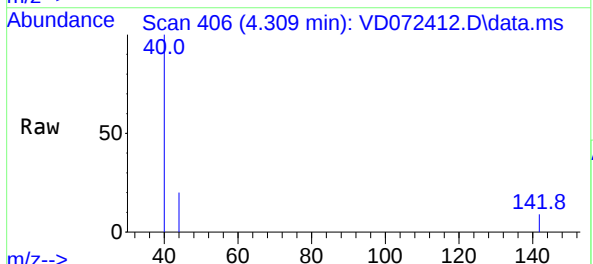
Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322

Tgt Ion:168 Resp: 372198
Ion Ratio Lower Upper
168 100
99 62.4 49.8 74.6



#10
Methyl Iodide
Concen: 2.387 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Tgt Ion:142 Resp: 638
Ion Ratio Lower Upper
142 100
127 9.4 37.3 55.9#
141 0.0 11.7 17.5#

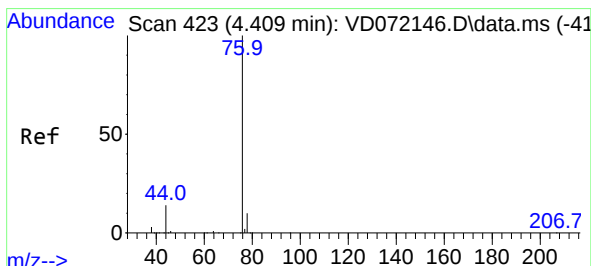
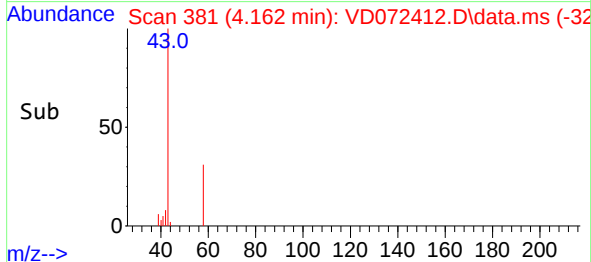
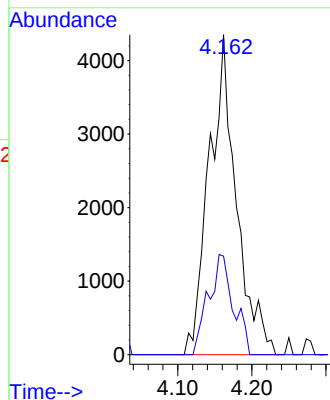
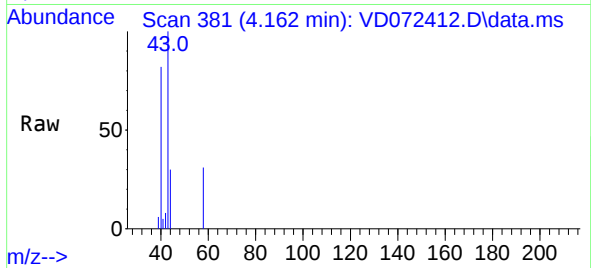




#16
Acetone
Concen: 12.304 ug/l
RT: 4.162 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

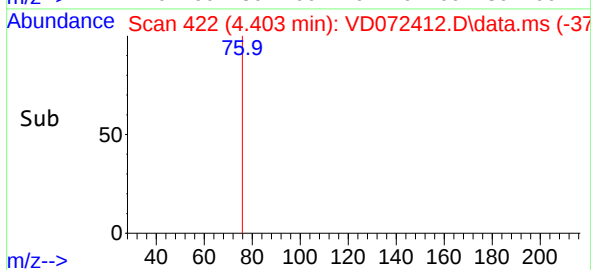
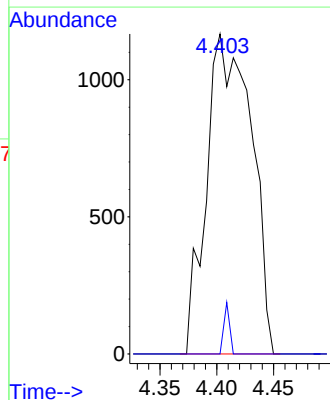
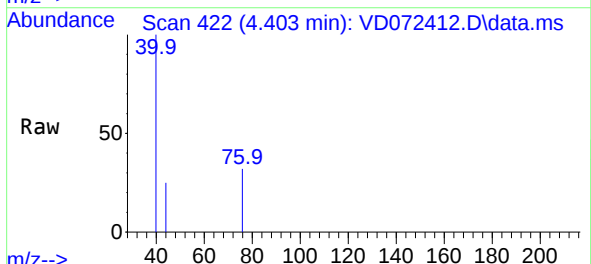
Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322

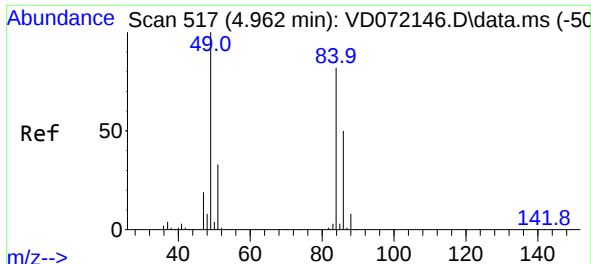
Tgt Ion: 43 Resp: 11081
Ion Ratio Lower Upper
43 100
58 30.8 22.1 33.1



#17
Carbon Disulfide
Concen: 1.890 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

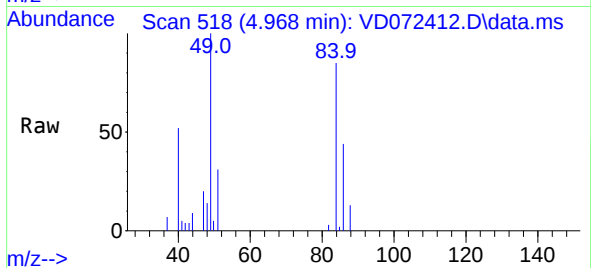
Tgt Ion: 76 Resp: 3204
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





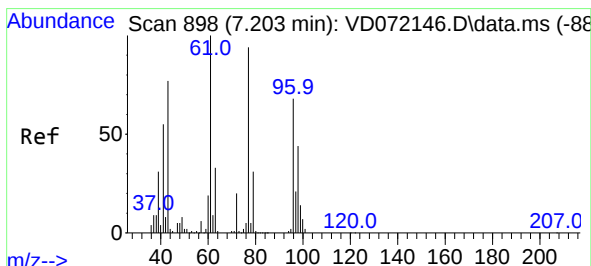
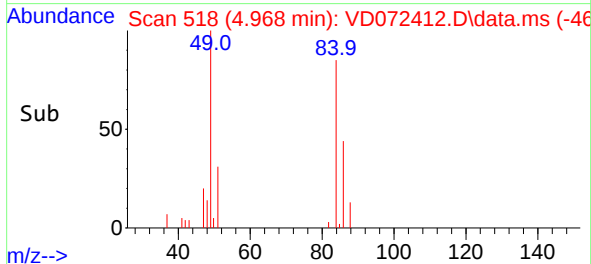
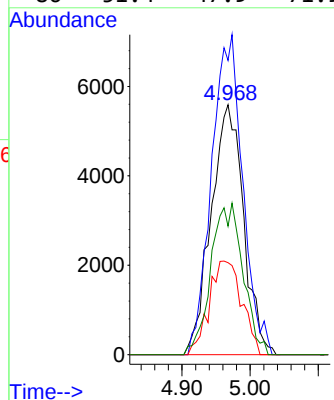
#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322



Tgt Ion: 84 Resp: 18518

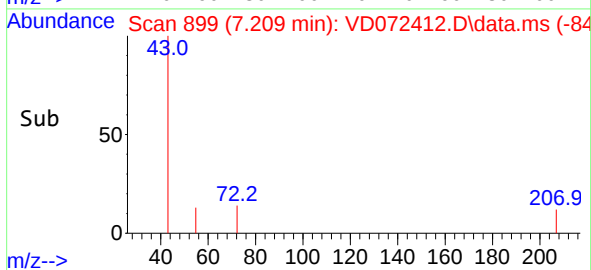
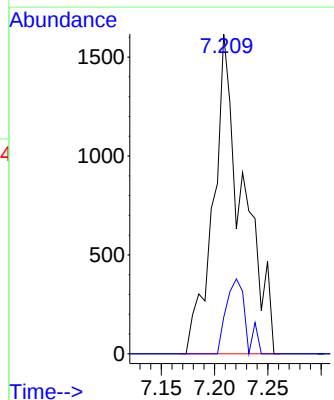
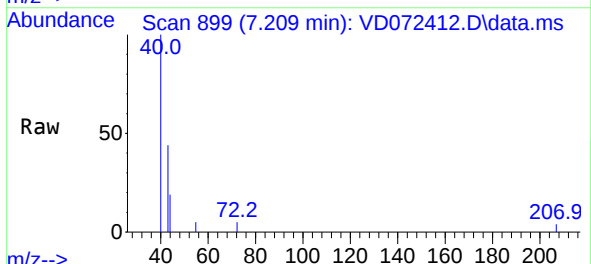
Ion	Ratio	Lower	Upper
84	100		
49	117.7	112.8	169.2
51	36.8	32.6	48.8
86	51.4	47.9	71.9

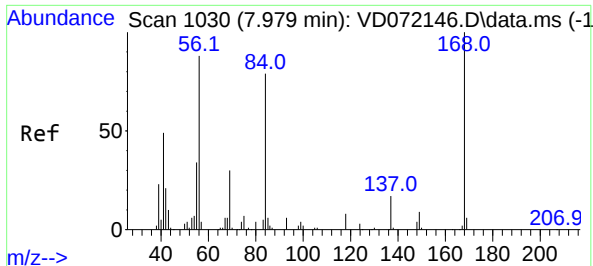


#25
2-Butanone
Concen: 2.612 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.006 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Tgt Ion: 43 Resp: 3136

Ion	Ratio	Lower	Upper
43	100		
72	11.4	18.6	27.8

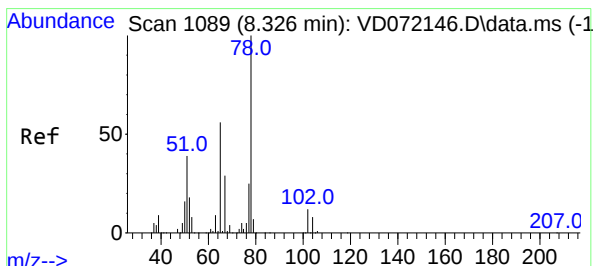
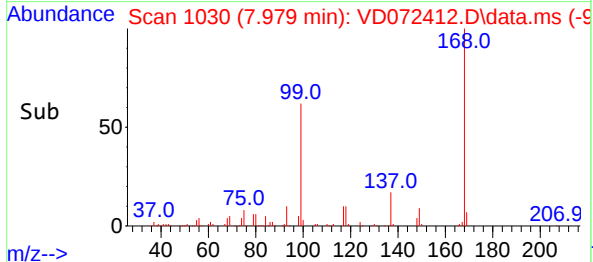
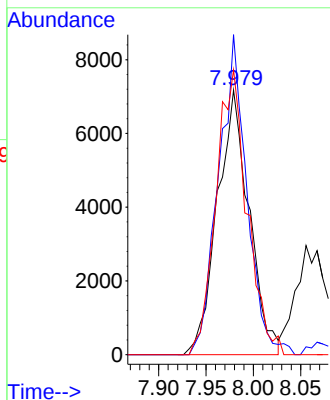
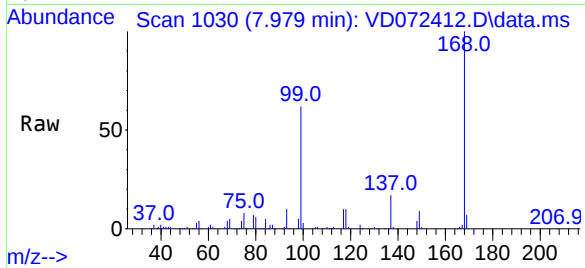




#31
Cyclohexane
Concen: 2.580 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

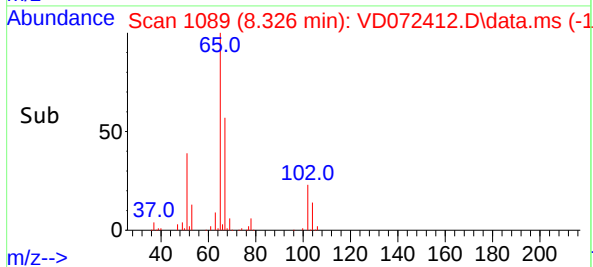
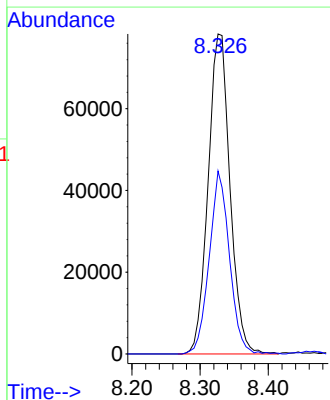
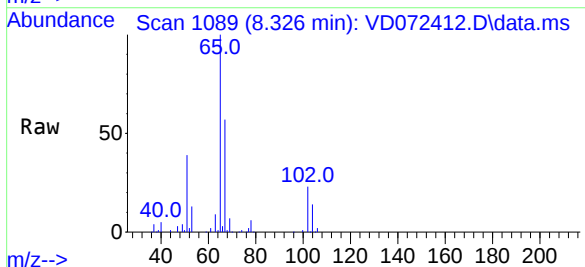
Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322

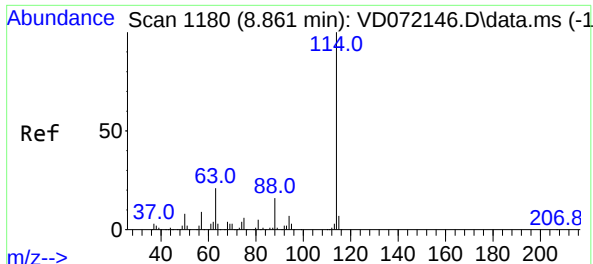
Tgt Ion: 56 Resp: 16722
Ion Ratio Lower Upper
56 100
69 121.0 25.4 38.2#
84 107.7 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 42.157 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Tgt Ion: 65 Resp: 174863
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072412.D

Acq: 24 Mar 2022 17:19

Instrument :

MSVOA_D

ClientSampleId :

CL-01-032322

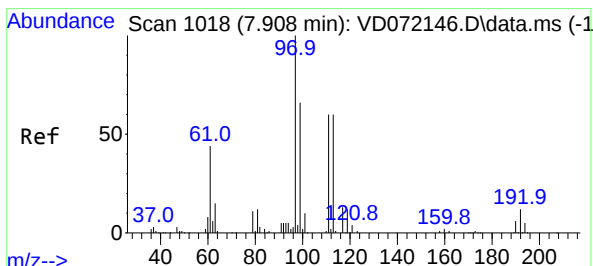
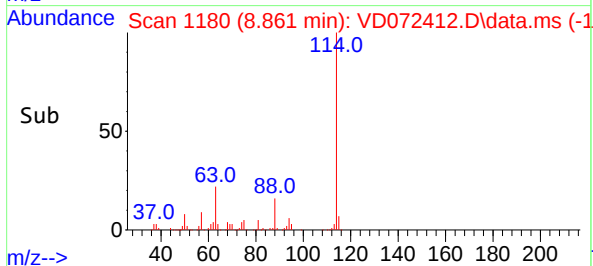
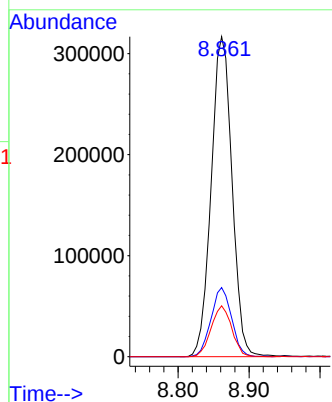
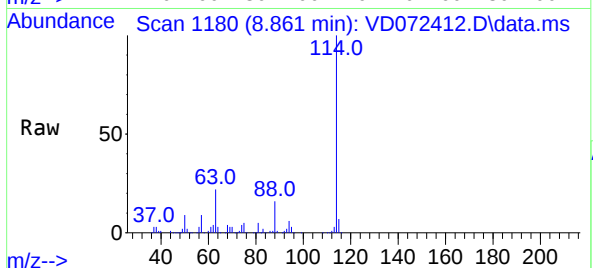
Tgt Ion:114 Resp: 644427

Ion Ratio Lower Upper

114 100

63 21.6 0.0 46.6

88 15.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 41.718 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD072412.D

Acq: 24 Mar 2022 17:19

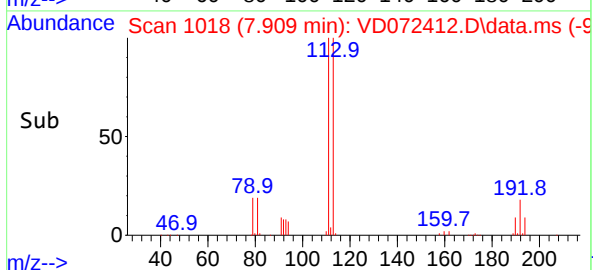
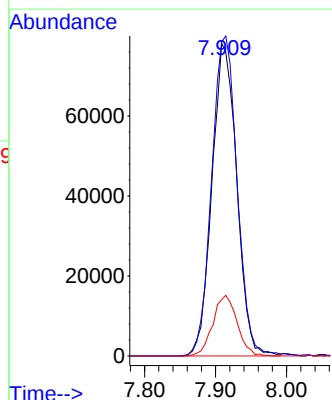
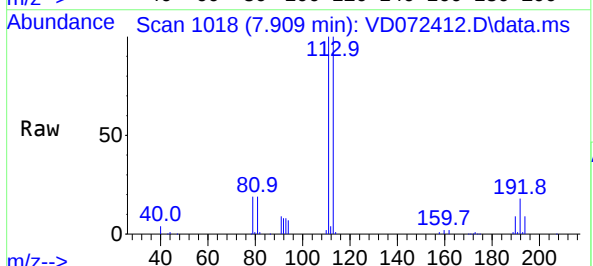
Tgt Ion:113 Resp: 189185

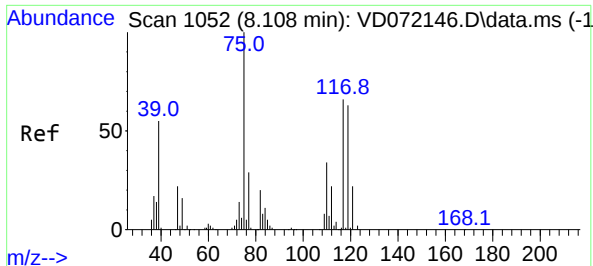
Ion Ratio Lower Upper

113 100

111 105.1 83.8 125.6

192 19.0 14.6 21.8

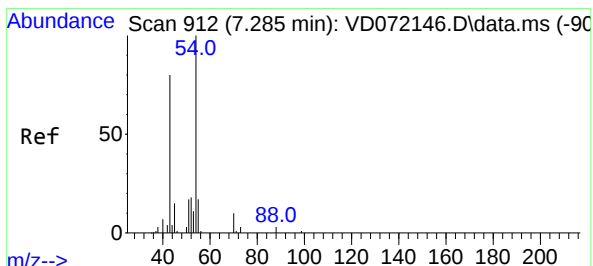
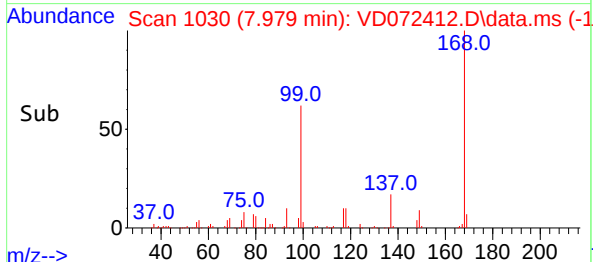
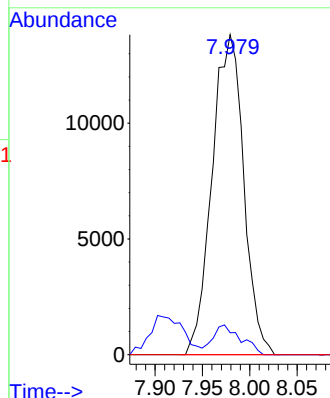
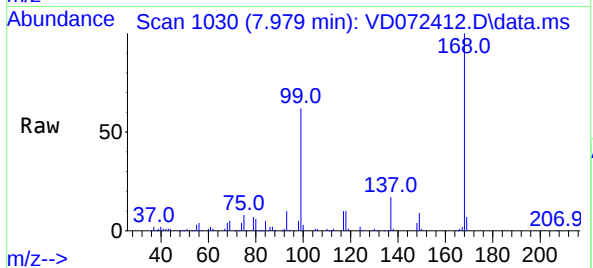




#36
1,1-Dichloropropene
Concen: 5.040 ug/l
RT: 7.979 min Scan# 1052
Delta R.T. -0.129 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

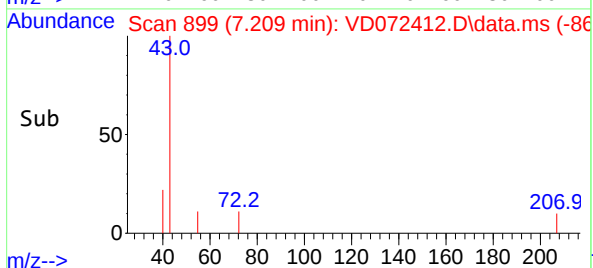
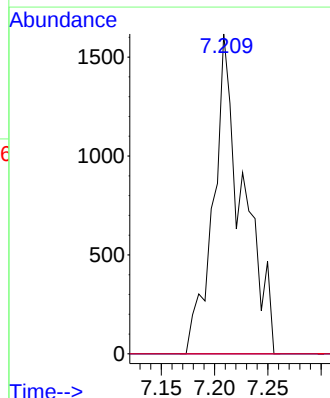
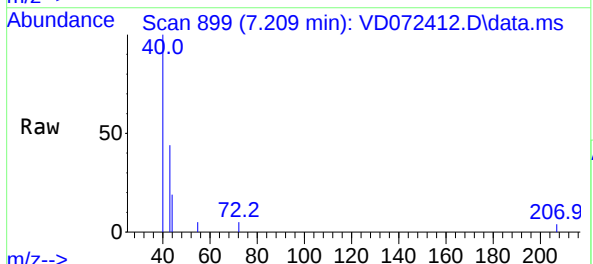
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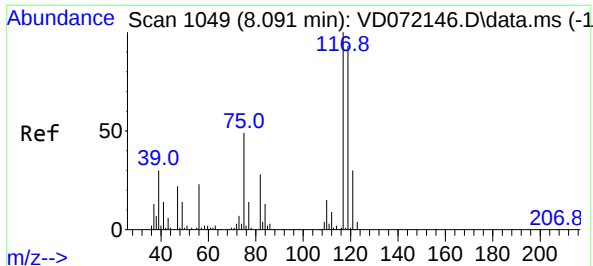
Tgt Ion: 75 Resp: 32065
Ion Ratio Lower Upper
75 100
110 8.2 16.4 49.1#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: 1.125 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.076 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

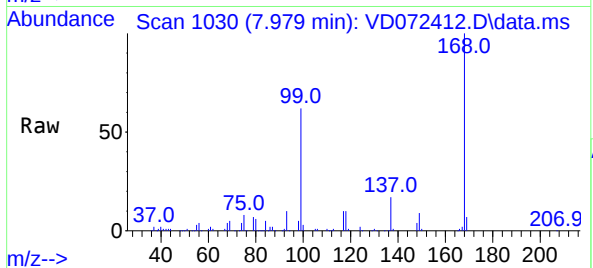
Tgt Ion: 43 Resp: 3136
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 6.9 10.3#



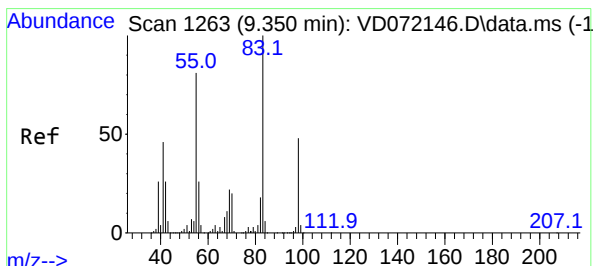
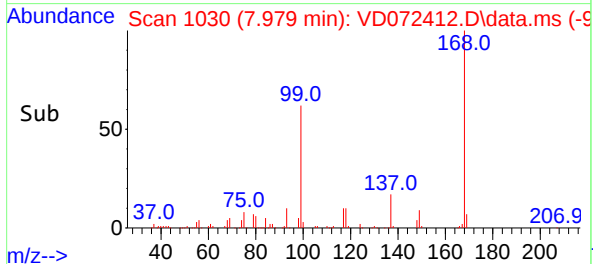
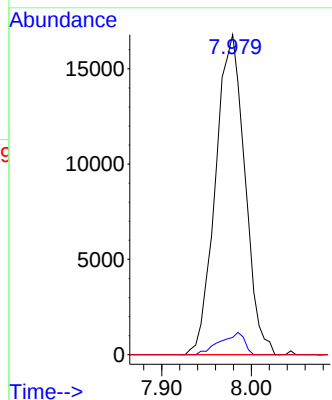


#38
Carbon Tetrachloride
Concen: 5.274 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322

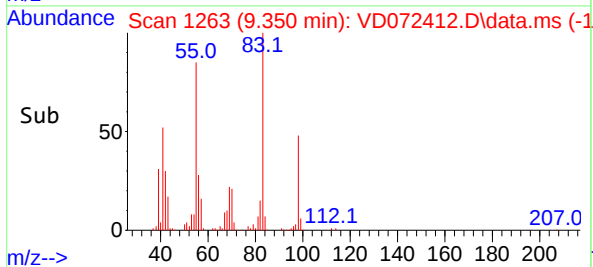
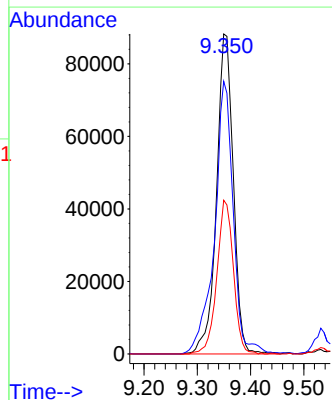
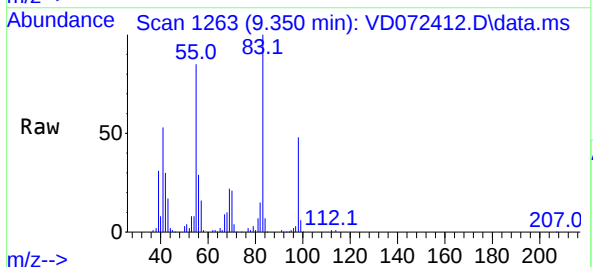


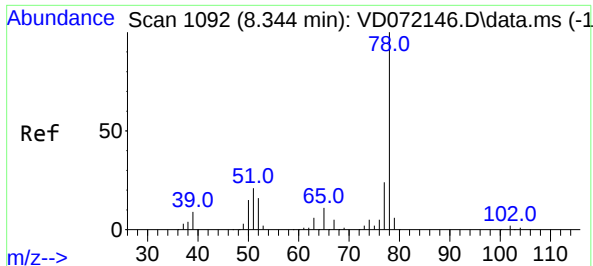
Tgt Ion:117 Resp: 38141
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 27.034 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Tgt Ion: 83 Resp: 193537
Ion Ratio Lower Upper
83 100
55 85.2 63.2 94.8
98 48.1 38.2 57.4

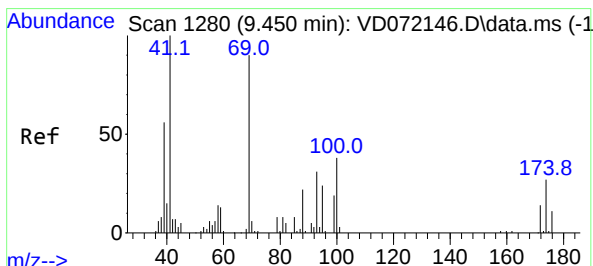
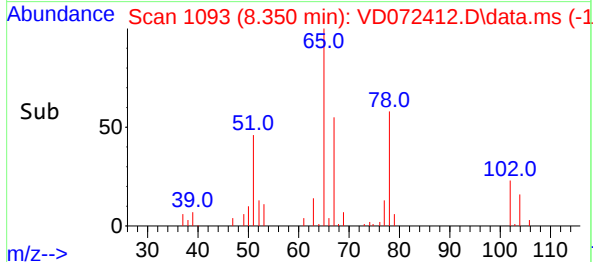
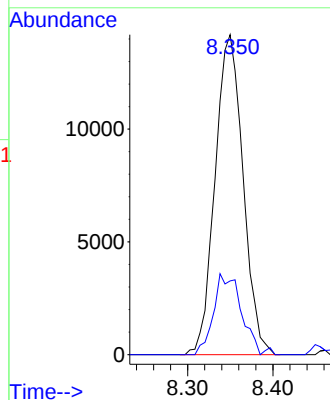
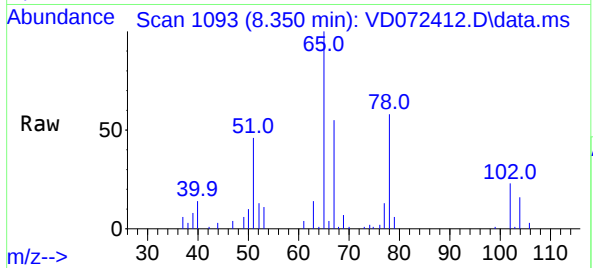




#40
Benzene
Concen: 1.783 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

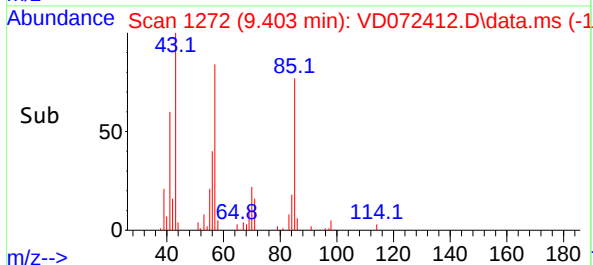
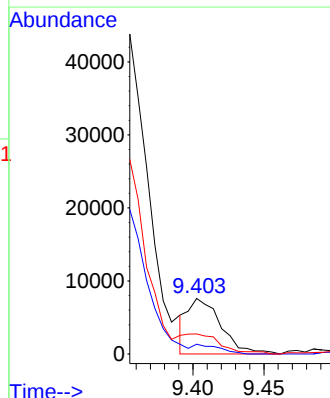
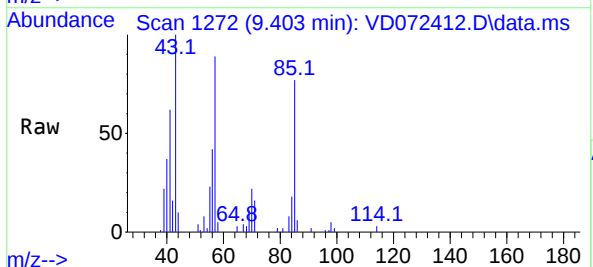
Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322

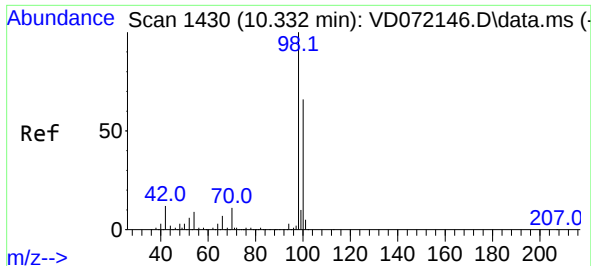
Tgt Ion: 78 Resp: 32356
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7



#48
Methyl methacrylate
Concen: 4.801 ug/l
RT: 9.403 min Scan# 1272
Delta R.T. -0.047 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Tgt Ion: 41 Resp: 12399
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 0.0 42.7 64.1#

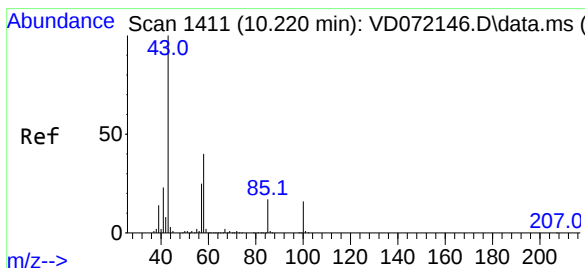
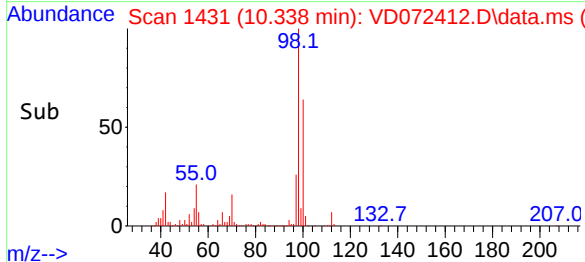
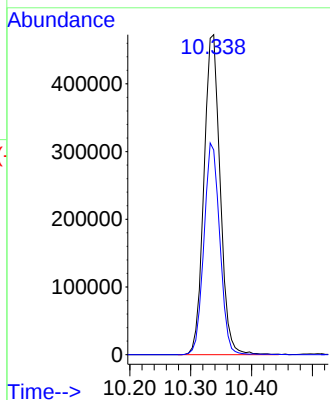
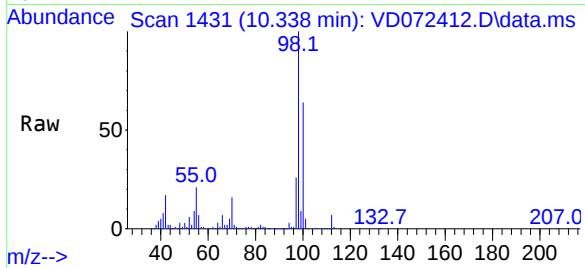




#50
Toluene-d8
Concen: 52.711 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

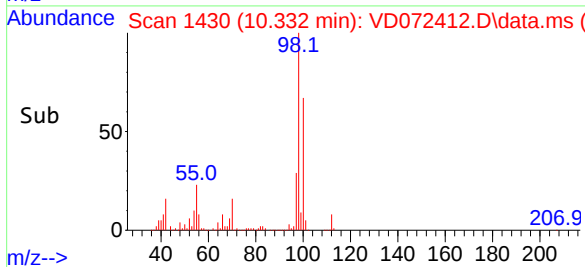
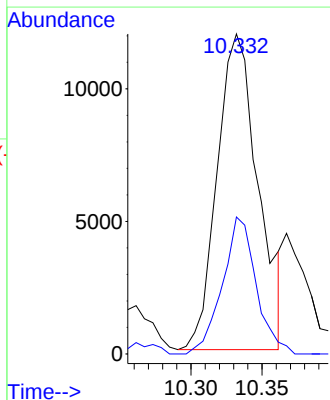
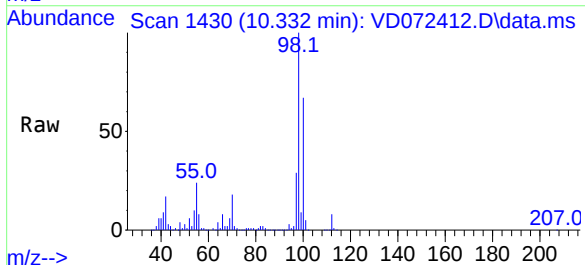
Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322

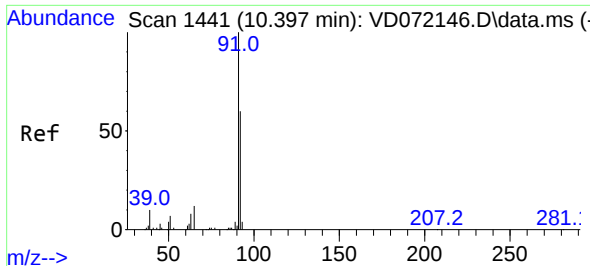
Tgt Ion: 98 Resp: 874048
Ion Ratio Lower Upper
98 100
100 64.7 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 8.434 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Tgt Ion: 43 Resp: 23961
Ion Ratio Lower Upper
43 100
58 35.6 28.6 43.0

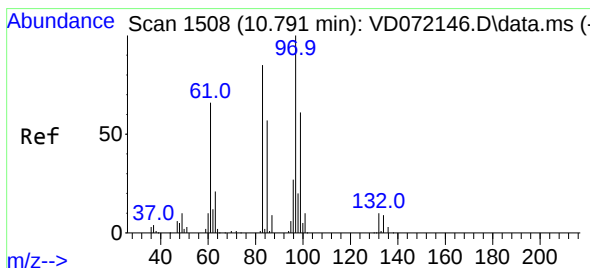
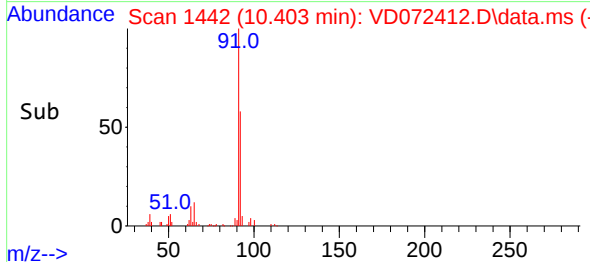
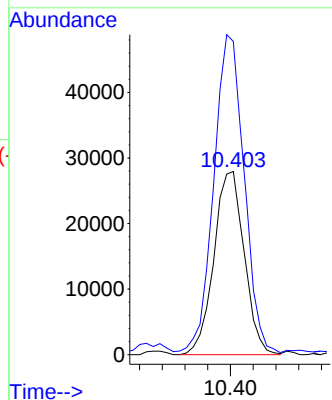
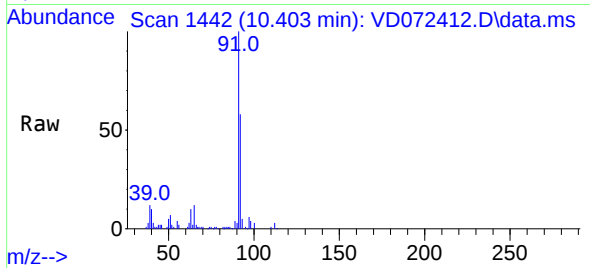




#52
Toluene
Concen: 4.335 ug/l
RT: 10.403 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

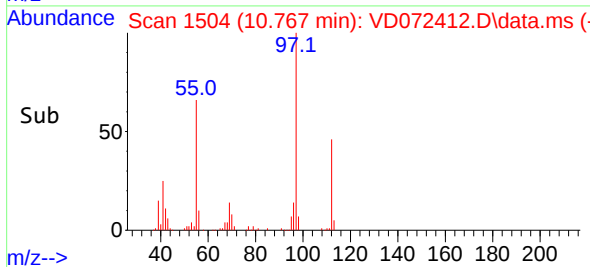
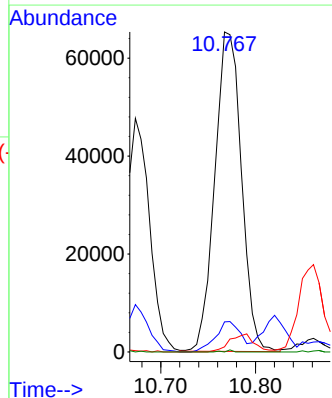
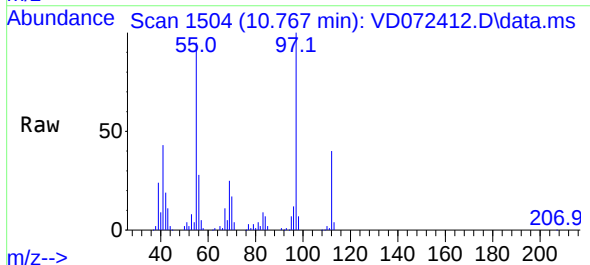
Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322

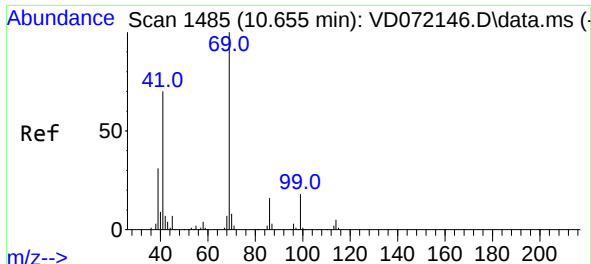
Tgt Ion: 92 Resp: 51772
Ion Ratio Lower Upper
92 100
91 174.2 139.6 209.4



#55
1,1,2-Trichloroethane
Concen: 34.226 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.023 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Tgt Ion: 97 Resp: 127659
Ion Ratio Lower Upper
97 100
83 9.4 69.0 103.4#
85 1.6 42.6 63.8#
99 0.0 51.7 77.5#

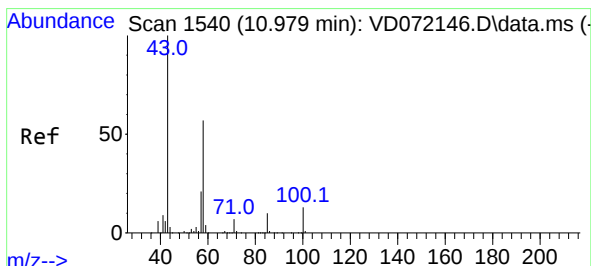
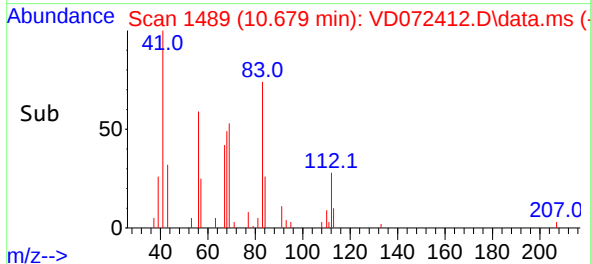
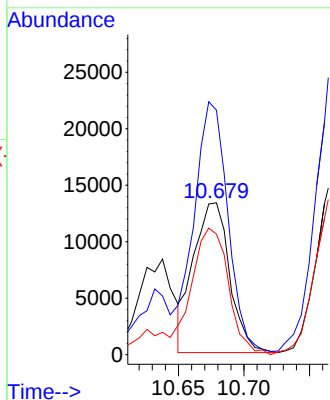
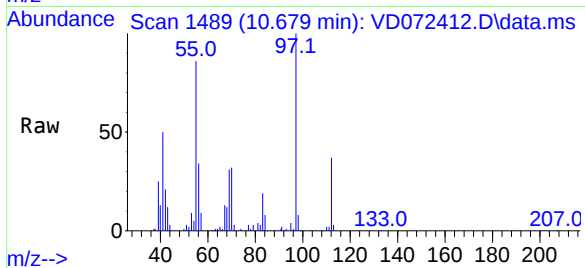




#56
Ethyl methacrylate
Concen: 5.833 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.024 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

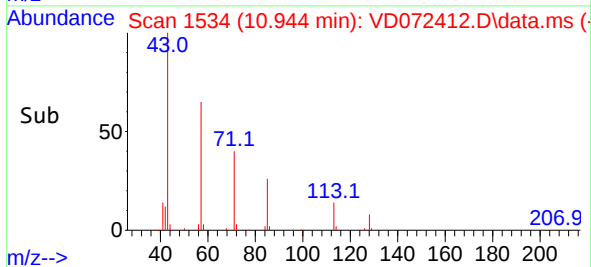
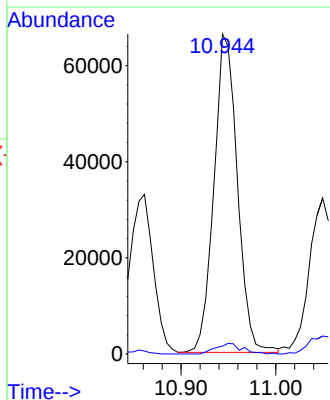
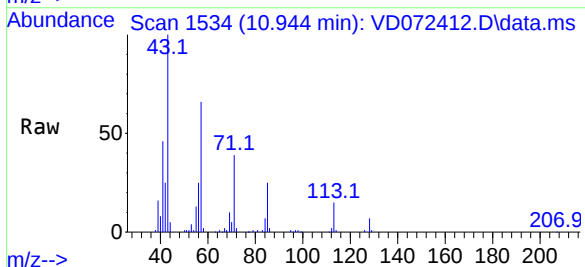
Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322

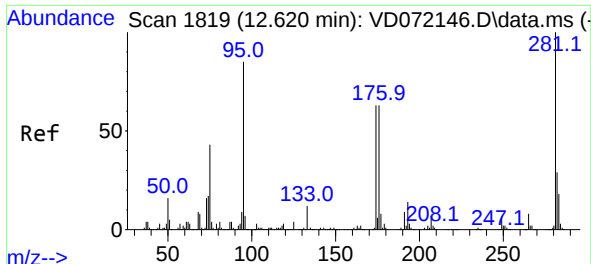
Tgt Ion: 69 Resp: 25483
Ion Ratio Lower Upper
69 100
41 157.3 63.0 94.6#
39 86.1 33.8 50.8#



#59
2-Hexanone
Concen: 57.957 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Tgt Ion: 43 Resp: 113720
Ion Ratio Lower Upper
43 100
58 3.7 25.3 75.9#

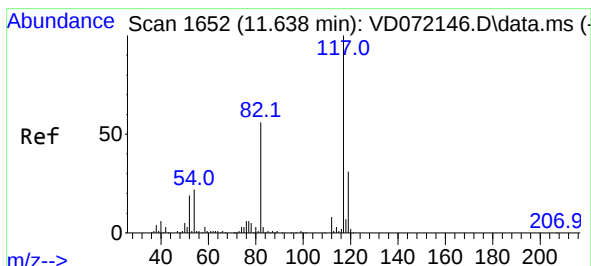
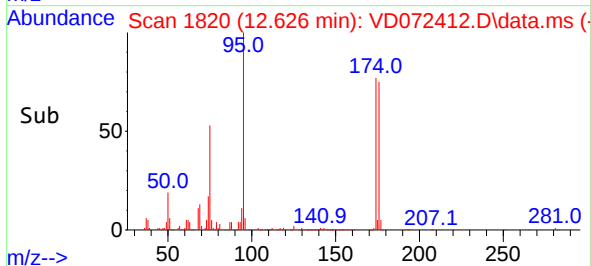
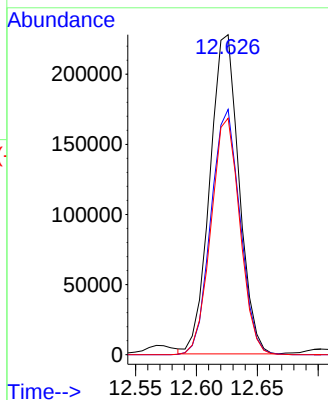
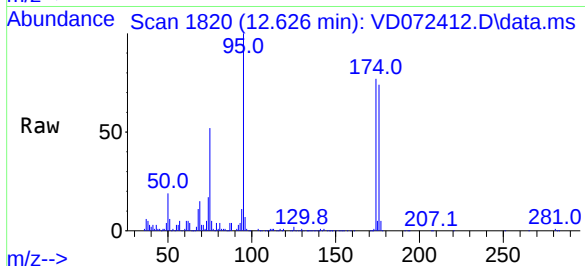




#62
4-Bromofluorobenzene
Concen: 58.854 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

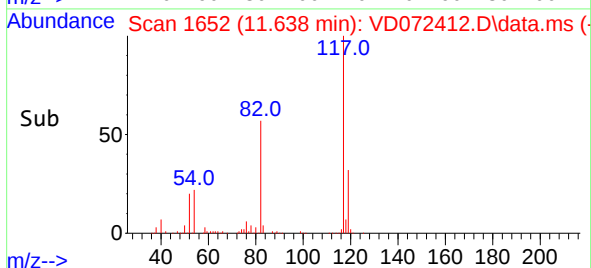
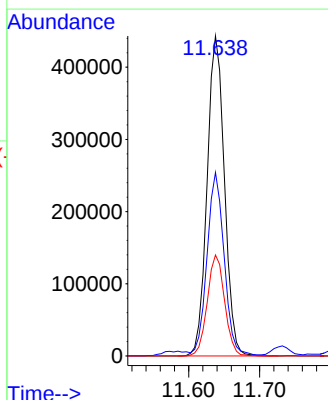
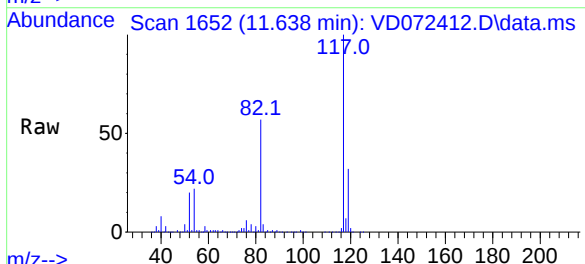
Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322

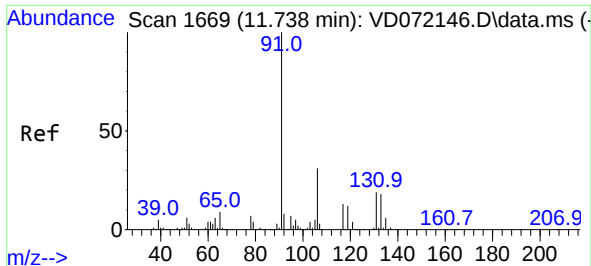
Tgt Ion: 95 Resp: 379196
Ion Ratio Lower Upper
95 100
174 76.7 0.0 152.8
176 73.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Tgt Ion: 117 Resp: 751825
Ion Ratio Lower Upper
117 100
82 55.8 45.3 67.9
119 31.6 26.6 40.0

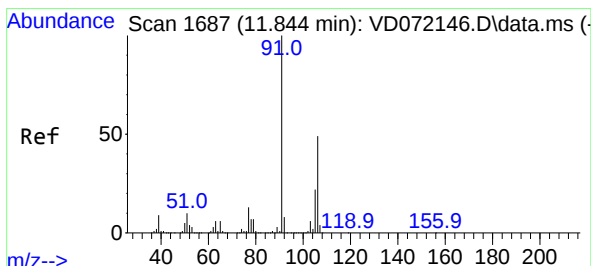
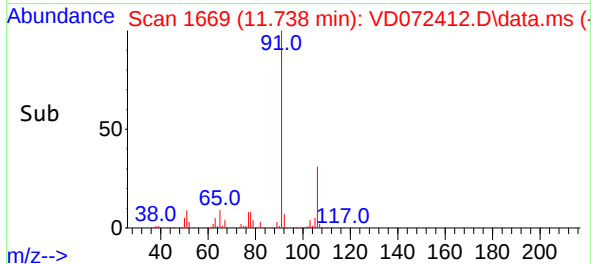
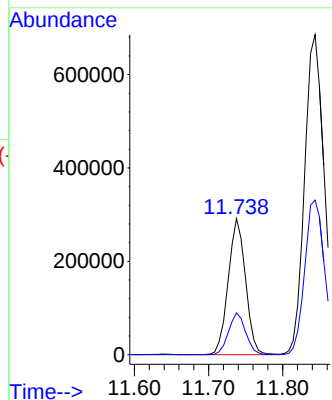
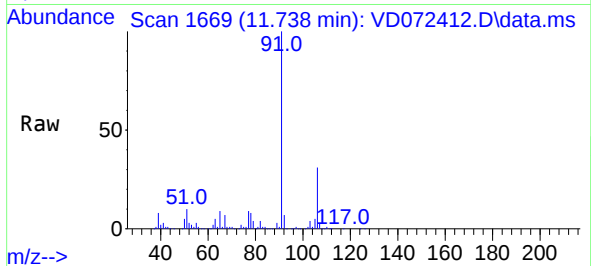




#67
Ethyl Benzene
Concen: 15.869 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

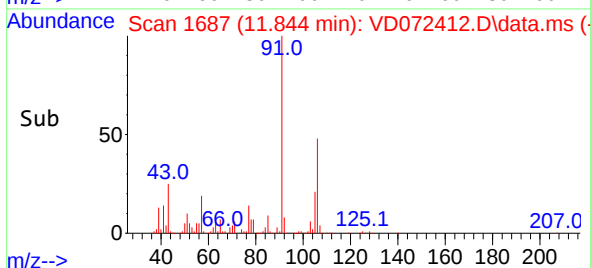
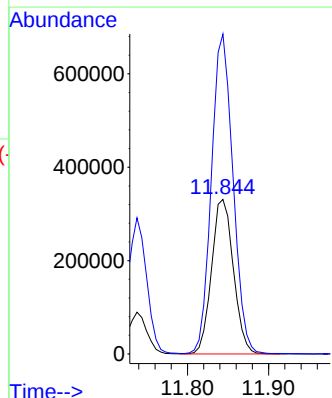
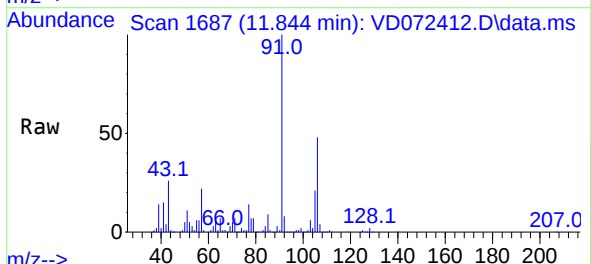
Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322

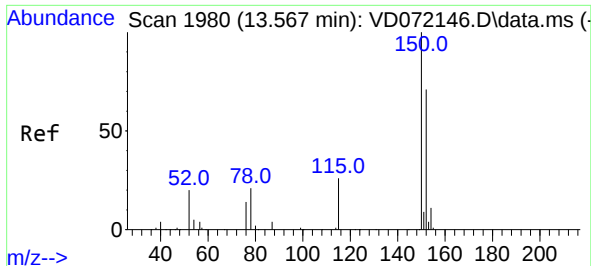
Tgt Ion: 91 Resp: 472417
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.4



#68
m/p-Xylenes
Concen: 54.764 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Tgt Ion: 106 Resp: 619044
Ion Ratio Lower Upper
106 100
91 204.3 163.7 245.5

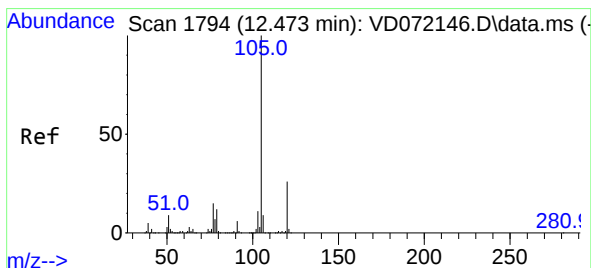
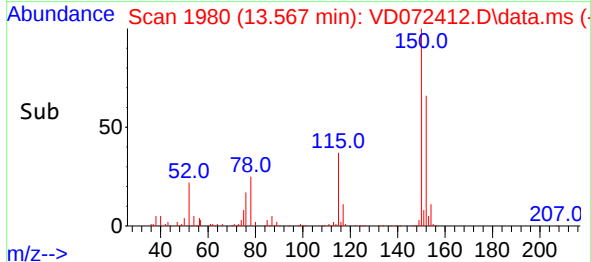
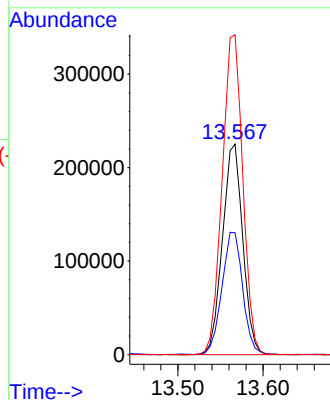
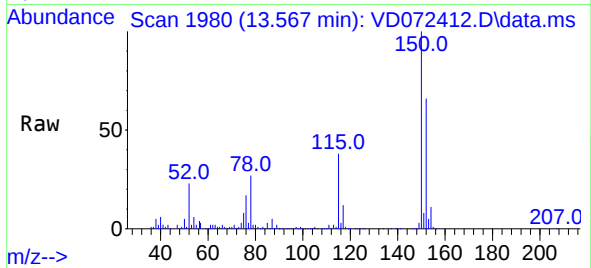




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

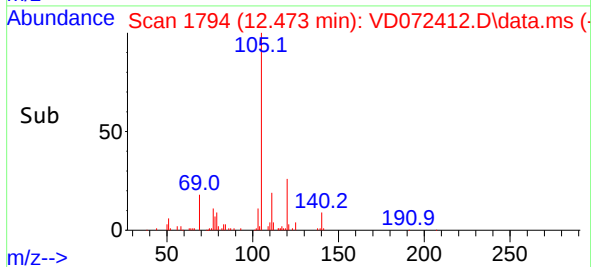
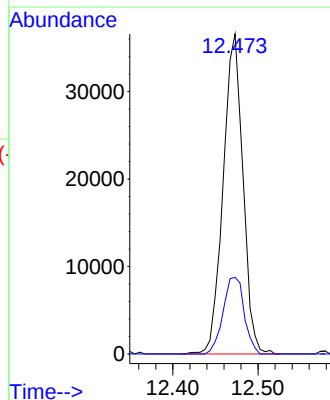
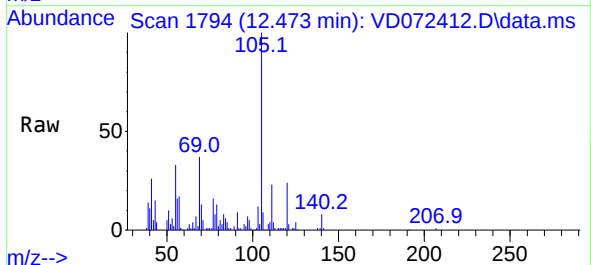
Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322

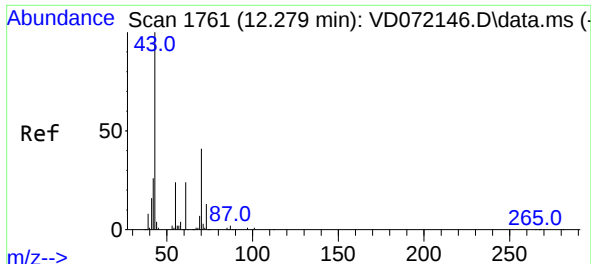
Tgt Ion:152 Resp: 373641
Ion Ratio Lower Upper
152 100
115 59.6 31.3 93.8
150 154.2 0.0 348.6



#73
Isopropylbenzene
Concen: 1.994 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Tgt Ion:105 Resp: 59046
Ion Ratio Lower Upper
105 100
120 25.5 13.0 38.9

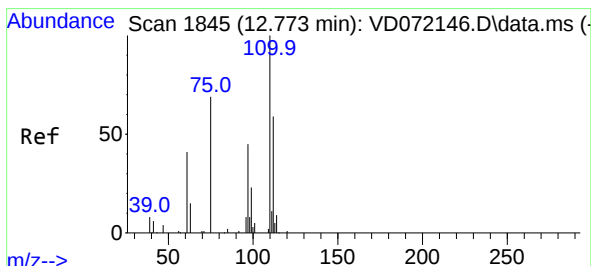
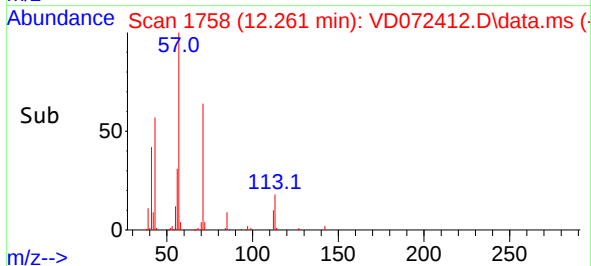
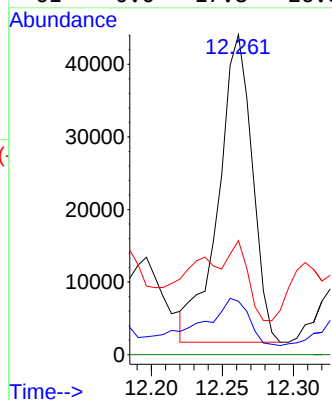
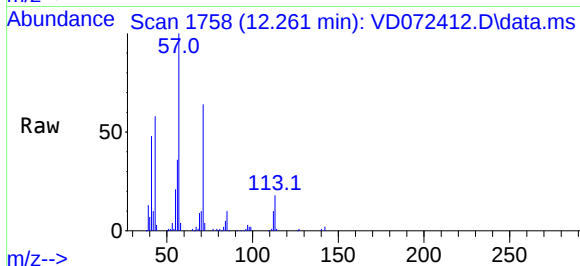




#74
N-amy1 acetate
Concen: 11.007 ug/l
RT: 12.261 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

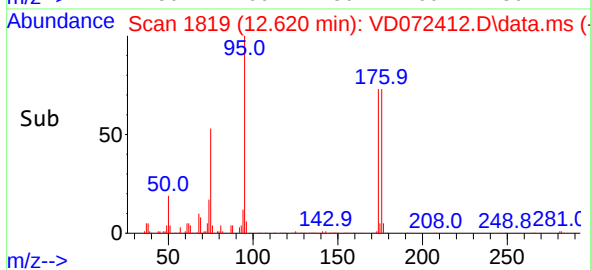
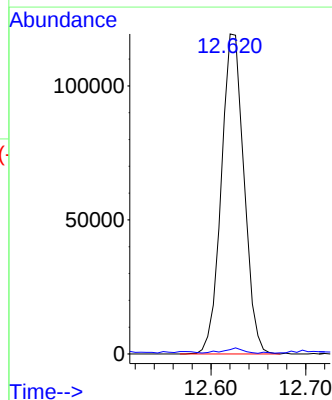
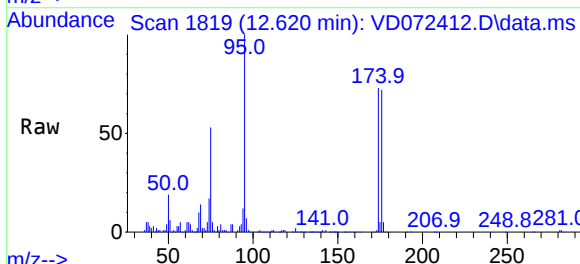
Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322

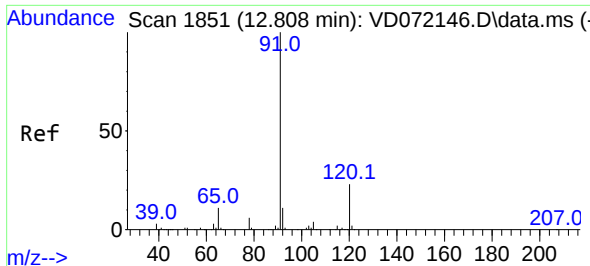
Tgt Ion: 43 Resp: 70037
Ion Ratio Lower Upper
43 100
70 21.9 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 48.246 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Tgt Ion: 75 Resp: 198849
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

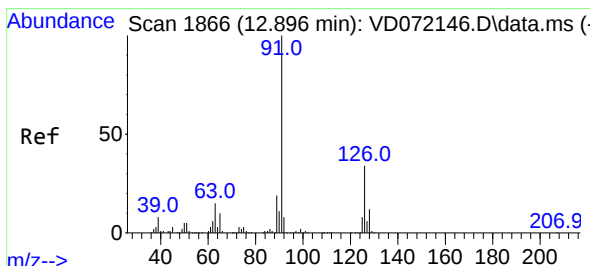
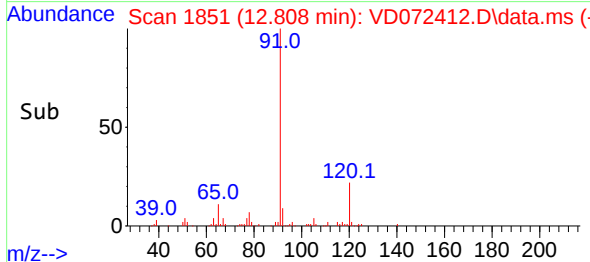
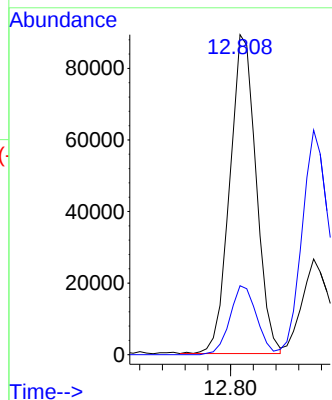
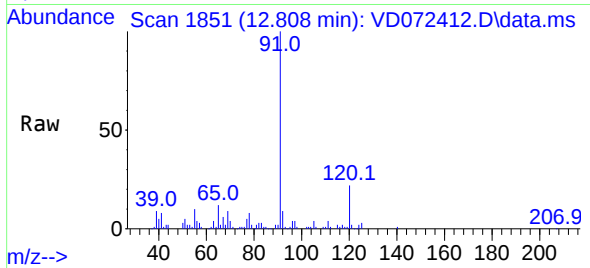




#78
n-propylbenzene
Concen: 3.988 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

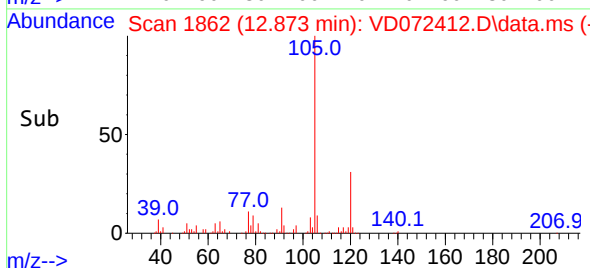
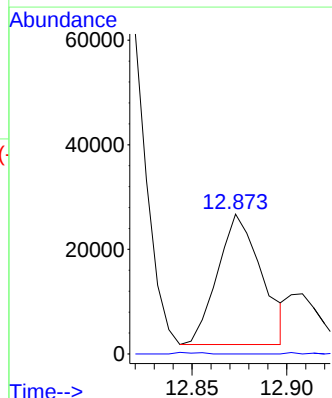
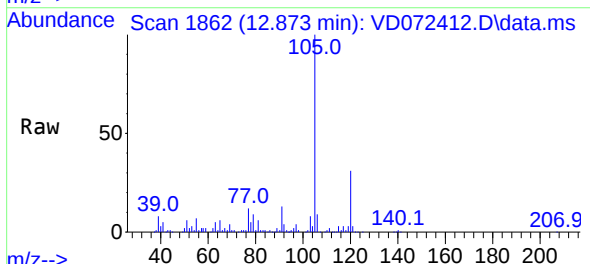
Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322

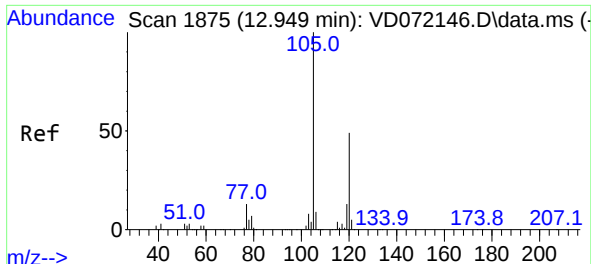
Tgt Ion: 91 Resp: 143426
Ion Ratio Lower Upper
91 100
120 21.8 10.9 32.9



#79
2-Chlorotoluene
Concen: 1.935 ug/l
RT: 12.873 min Scan# 1862
Delta R.T. -0.023 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Tgt Ion: 91 Resp: 40237
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#

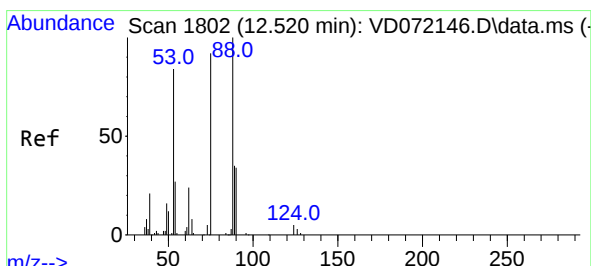
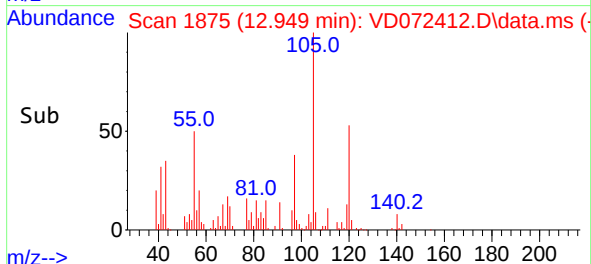
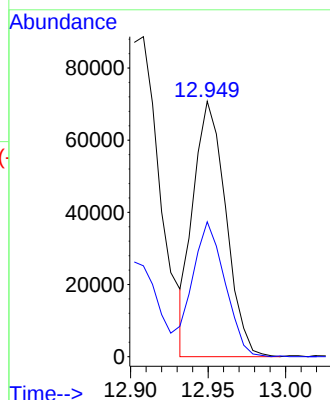
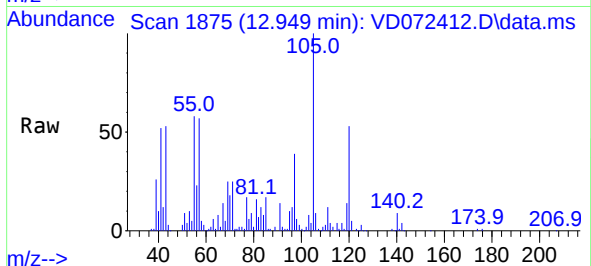




#80
1,3,5-Trimethylbenzene
Concen: 4.062 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

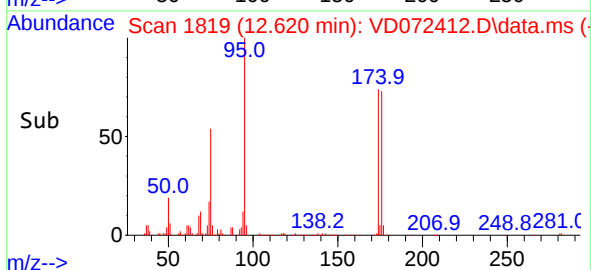
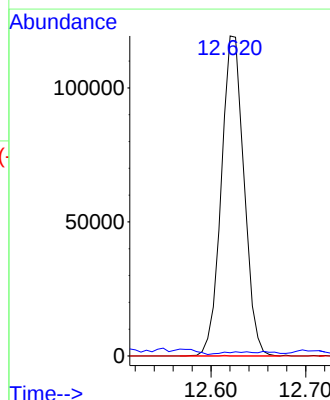
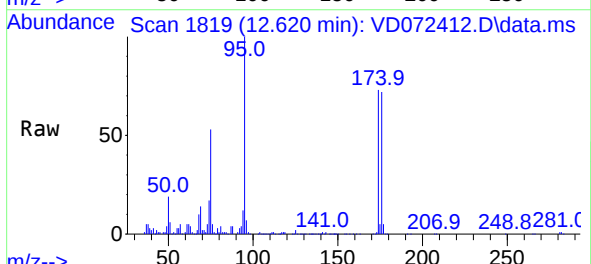
Instrument :
MSVOA_D
ClientSampleId :
CL-01-032322

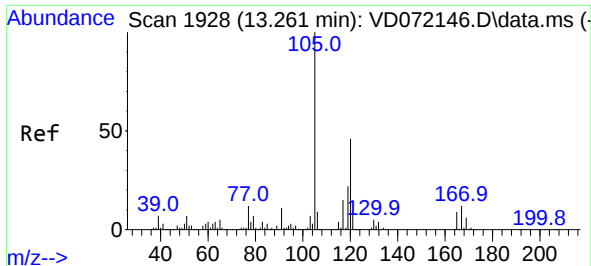
Tgt Ion:105 Resp: 103315
Ion Ratio Lower Upper
105 100
120 54.1 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 119.702 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072412.D
Acq: 24 Mar 2022 17:19

Tgt Ion: 75 Resp: 198849
Ion Ratio Lower Upper
75 100
53 1.1 86.5 129.7#
89 0.0 33.9 50.9#





#84

1,2,4-Trimethylbenzene

Concen: 9.230 ug/l

RT: 13.261 min Scan# 1928

Delta R.T. 0.000 min

Lab File: VD072412.D

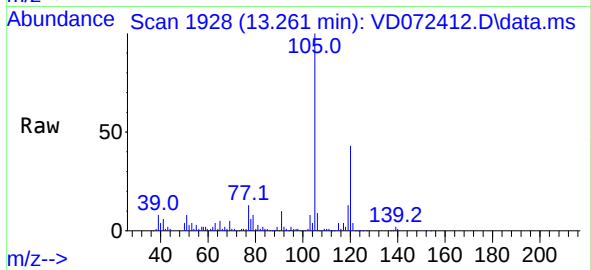
Acq: 24 Mar 2022 17:19

Instrument :

MSVOA_D

ClientSampleId :

CL-01-032322



Tgt Ion:105 Resp: 231342

Ion Ratio Lower Upper

105 100

120 44.6 22.3 66.8

