

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040422\
 Data File : VD072520.D
 Acq On : 04 Apr 2022 15:55
 Operator : VA/SY
 Sample : N2241-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-040122

Quant Time: Apr 05 03:20:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

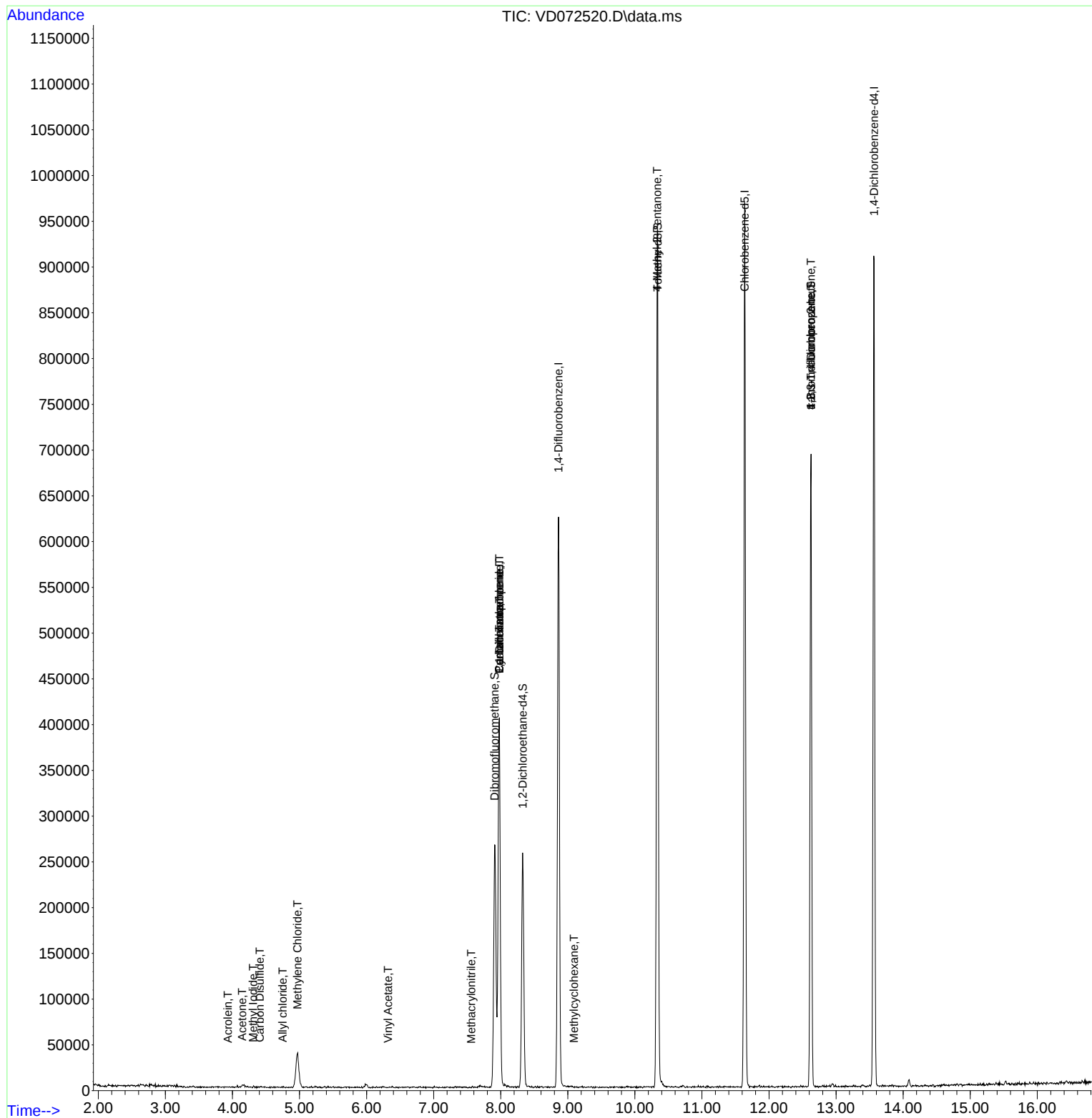
Internal Standards						
1) Pentafluorobenzene	7.979	168	292860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	547216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	545576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	247535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	205943	58.131	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.260%			
35) Dibromofluoromethane	7.909	113	197079	46.343	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.680%			
50) Toluene-d8	10.338	98	668102	45.196	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.400%			
62) 4-Bromofluorobenzene	12.626	95	237483	41.135	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.280%			
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	686	3.933	ug/l #	67
13) Acrolein	3.932	56	92	1.108	ug/l #	14
14) Allyl chloride	4.750	41	58	1.139	ug/l #	22
16) Acetone	4.144	43	5226	7.911	ug/l #	77
17) Carbon Disulfide	4.409	76	465	3.702	ug/l #	1
20) Methylene Chloride	4.968	84	30678	7.801	ug/l #	81
23) Vinyl Acetate	6.320	43	64	6.300	ug/l #	75
31) Cyclohexane	7.979	56	7292	1.574	ug/l #	20
36) 1,1-Dichloropropene	7.979	75	22805	5.226	ug/l #	52
38) Carbon Tetrachloride	7.979	117	32422	5.534	ug/l #	15
39) Methylcyclohexane	9.091	83	110	2.893	ug/l #	17
41) Methacrylonitrile	7.561	41	58	1.701	ug/l #	27
51) 4-Methyl-2-Pentanone	10.332	43	2661	1.147	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	120701	44.708	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	120701	109.705	ug/l #	7

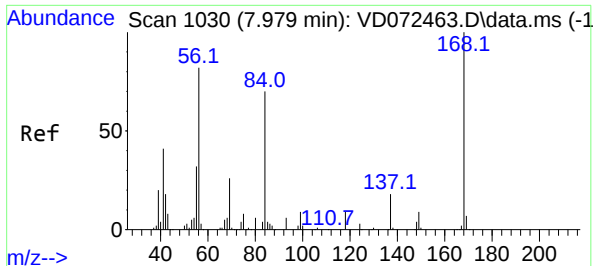
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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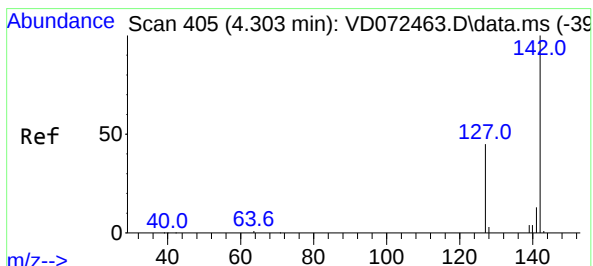
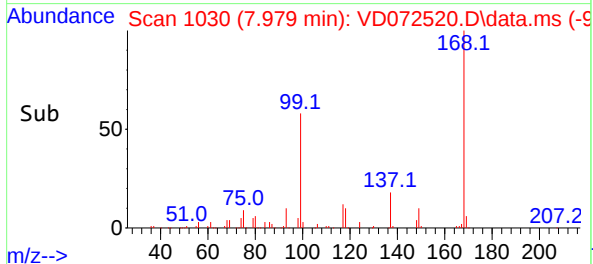
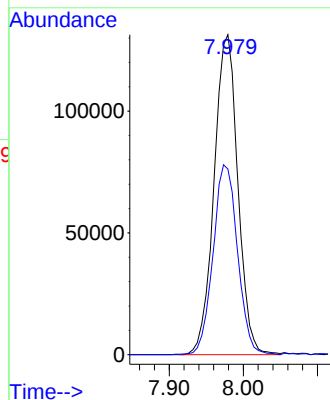
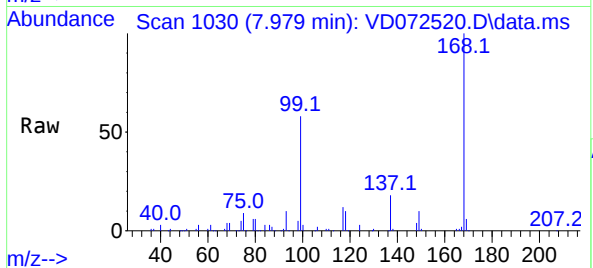




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

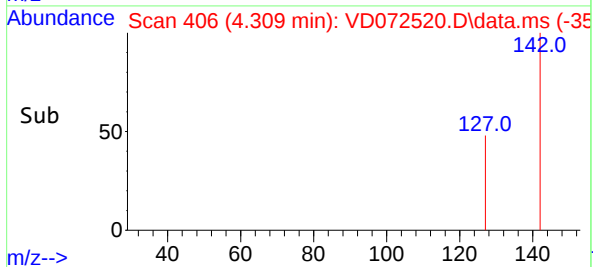
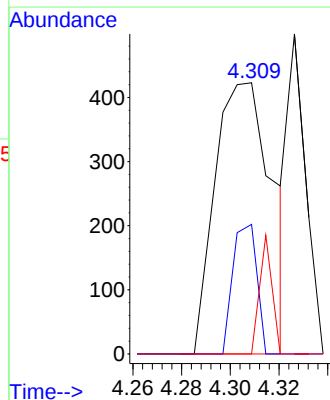
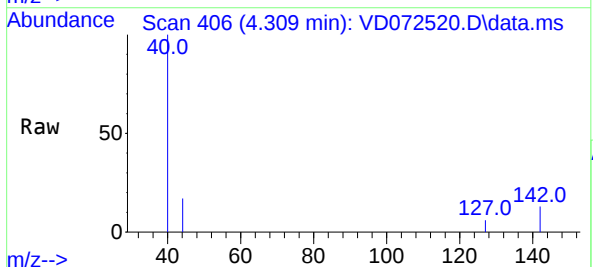
Instrument :
MSVOA_D
ClientSampleId :
CL-02-040122

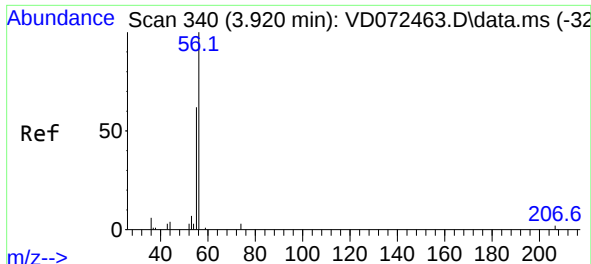
Tgt Ion:168 Resp: 292860
Ion Ratio Lower Upper
168 100
99 58.0 49.8 74.6



#10
Methyl Iodide
Concen: 3.933 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

Tgt Ion:142 Resp: 686
Ion Ratio Lower Upper
142 100
127 20.1 37.3 55.9#
141 9.5 11.7 17.5#

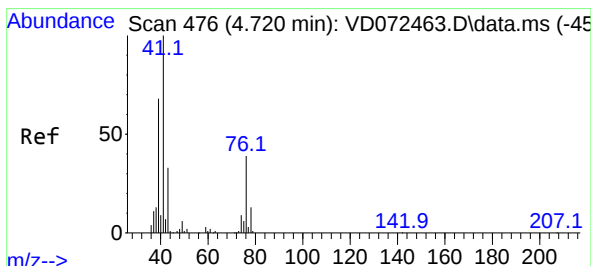
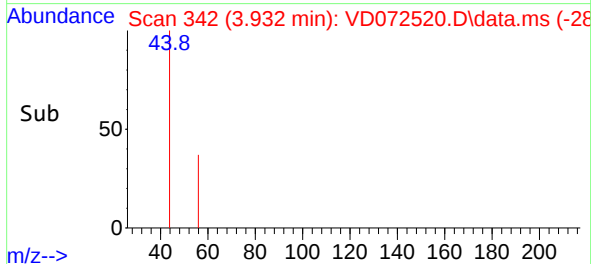
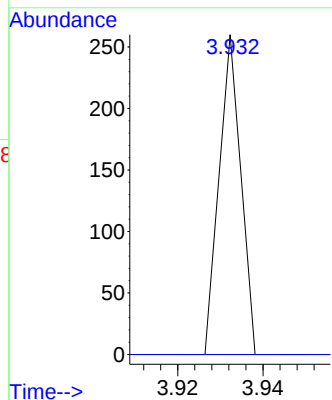
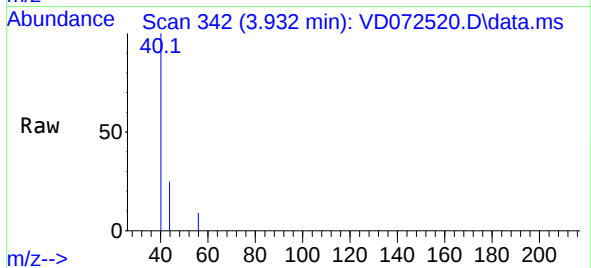




#13
Acrolein
Concen: 1.108 ug/l
RT: 3.932 min Scan# 341
Delta R.T. 0.012 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

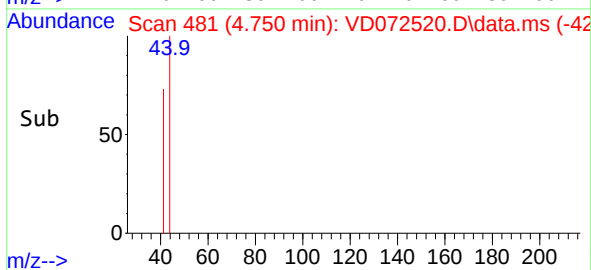
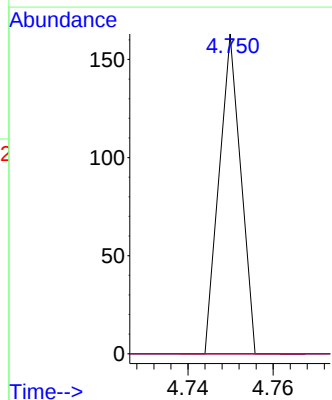
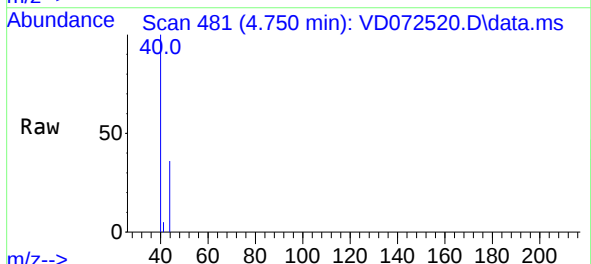
Instrument :
MSVOA_D
ClientSampleId :
CL-02-040122

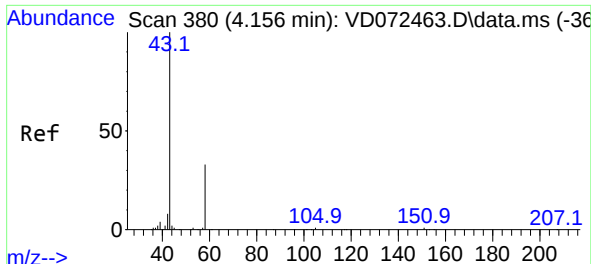
Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#14
Allyl chloride
Concen: 1.139 ug/l
RT: 4.750 min Scan# 481
Delta R.T. 0.030 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

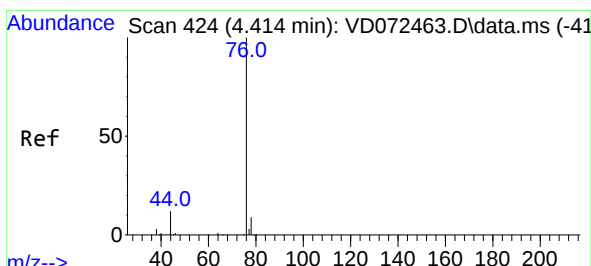
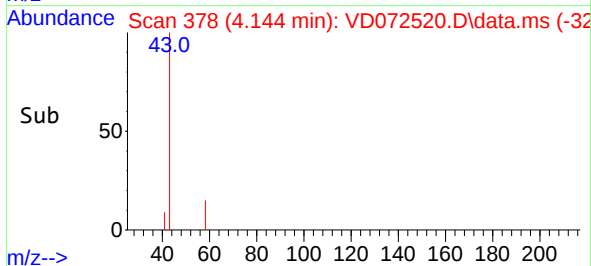
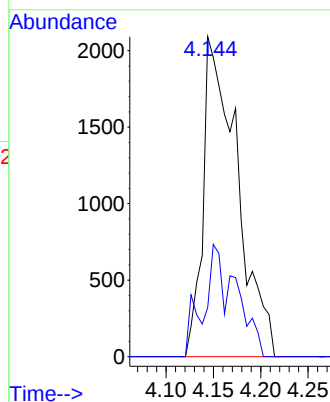
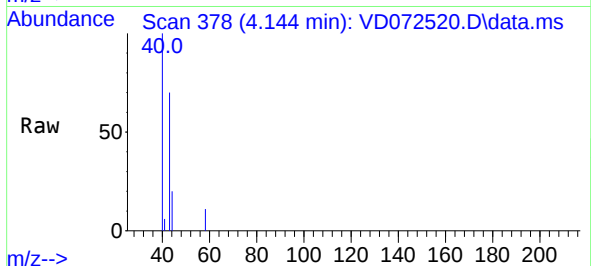




#16
Acetone
Concen: 7.911 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

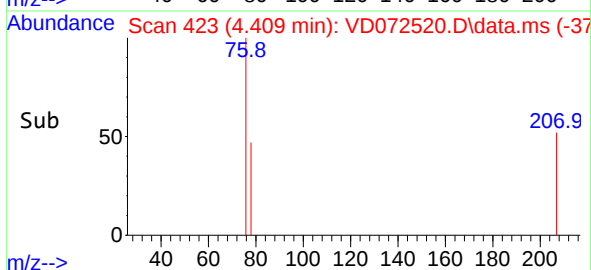
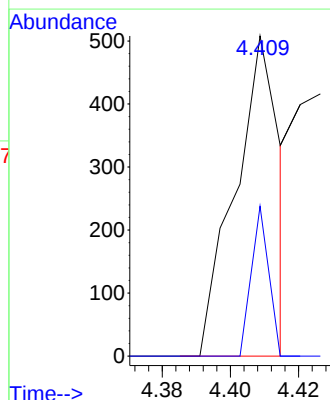
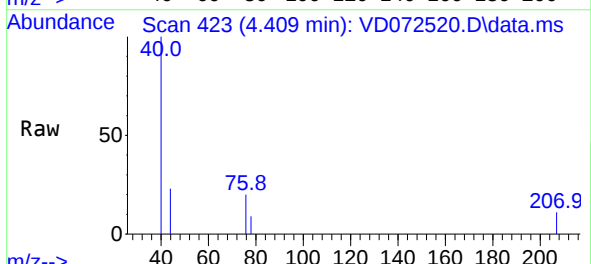
Instrument :
MSVOA_D
ClientSampleId :
CL-02-040122

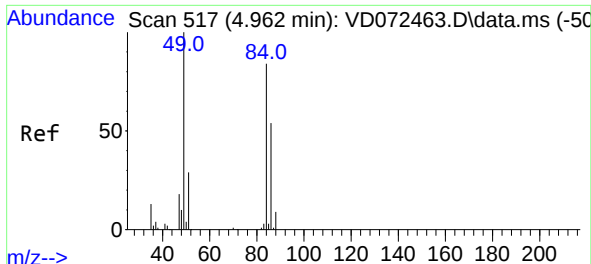
Tgt Ion: 43 Resp: 5226
Ion Ratio Lower Upper
43 100
58 15.4 22.1 33.1#



#17
Carbon Disulfide
Concen: 3.702 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

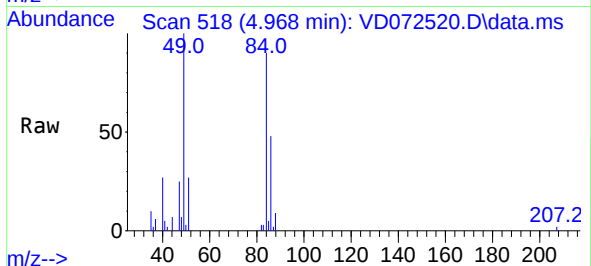
Tgt Ion: 76 Resp: 465
Ion Ratio Lower Upper
76 100
78 46.9 7.5 11.3#



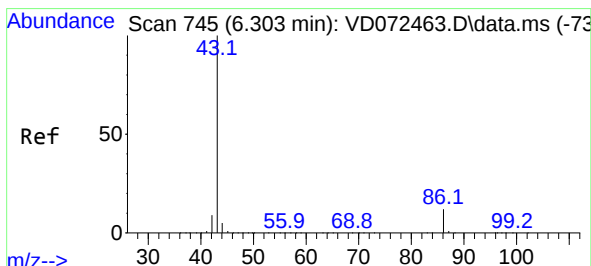
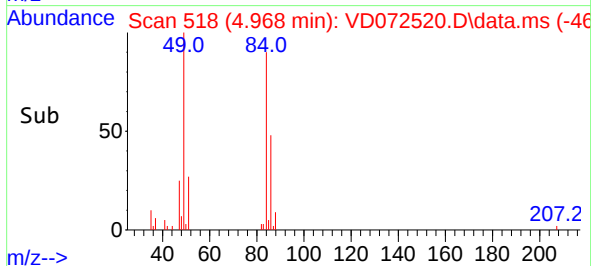
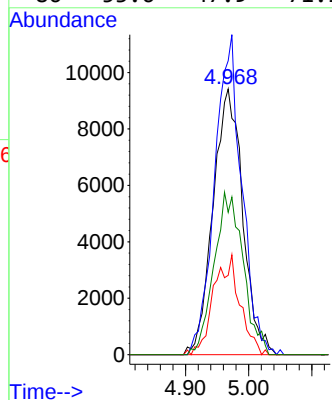


#20
Methylene Chloride
Concen: 7.801 ug/l
RT: 4.968 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

Instrument :
MSVOA_D
ClientSampleId :
CL-02-040122

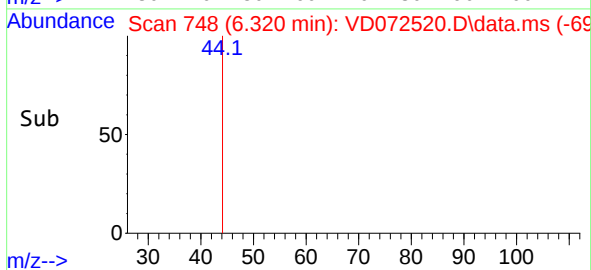
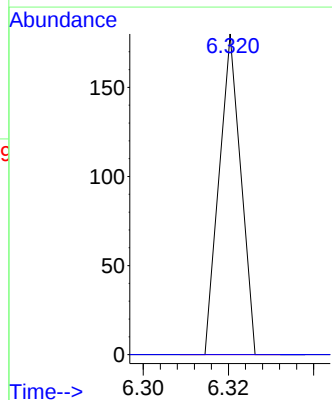
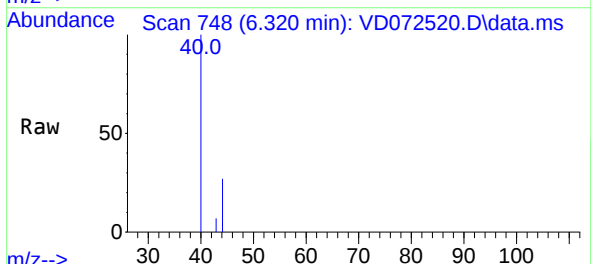


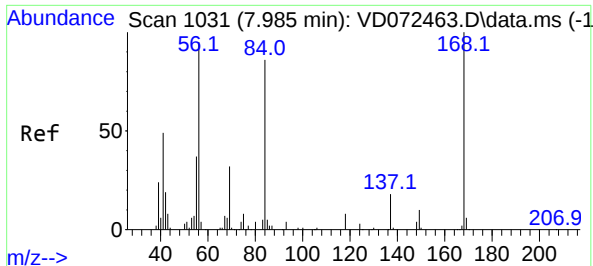
Tgt Ion: 84 Resp: 30678
Ion Ratio Lower Upper
84 100
49 110.6 112.8 169.2#
51 29.9 32.6 48.8#
86 53.6 47.9 71.9



#23
Vinyl Acetate
Concen: 6.300 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.017 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#





#31

Cyclohexane

Concen: 1.574 ug/l

RT: 7.979 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VD072520.D

Acq: 04 Apr 2022 15:55

Instrument :

MSVOA_D

ClientSampleId :

CL-02-040122

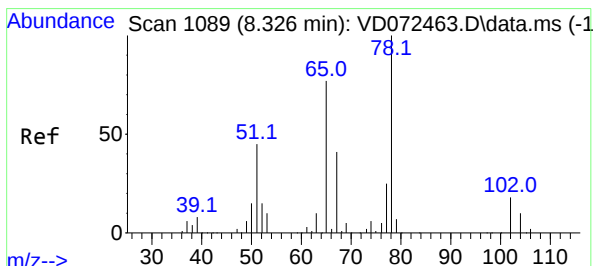
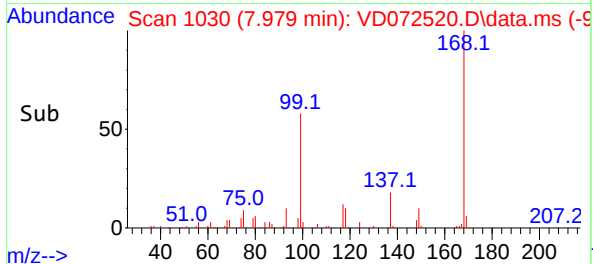
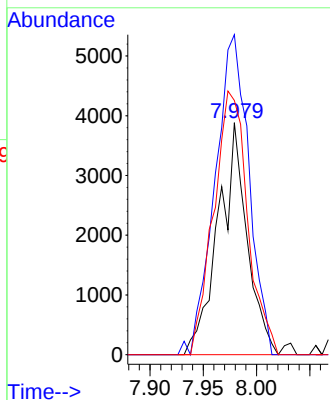
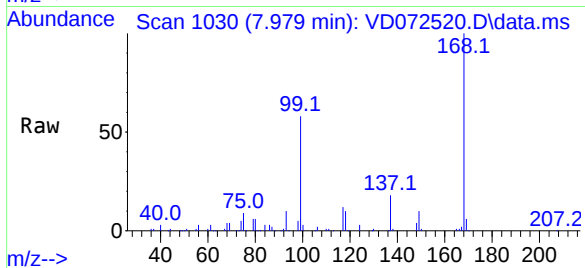
Tgt Ion: 56 Resp: 7292

Ion Ratio Lower Upper

56 100

69 138.0 25.4 38.2#

84 109.6 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 58.131 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072520.D

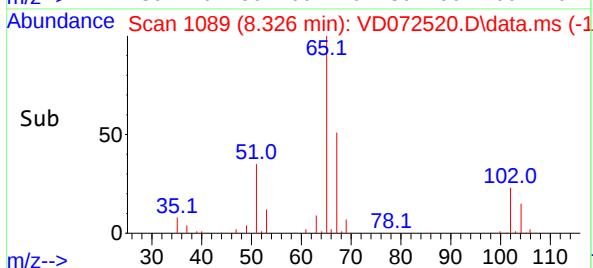
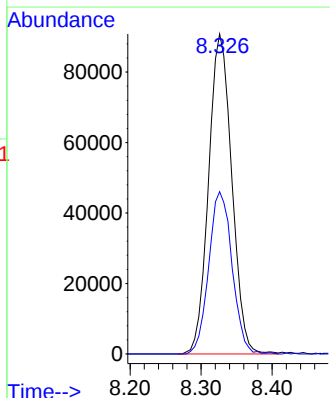
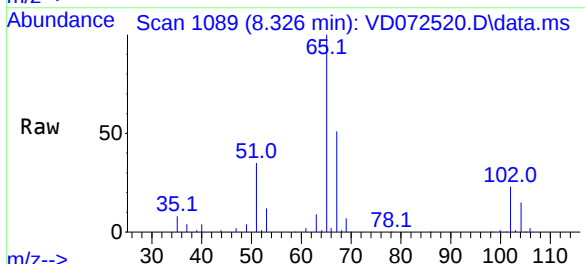
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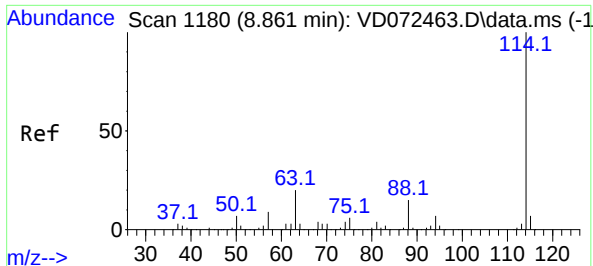
Tgt Ion: 65 Resp: 205943

Ion Ratio Lower Upper

65 100

67 51.0 0.0 101.4

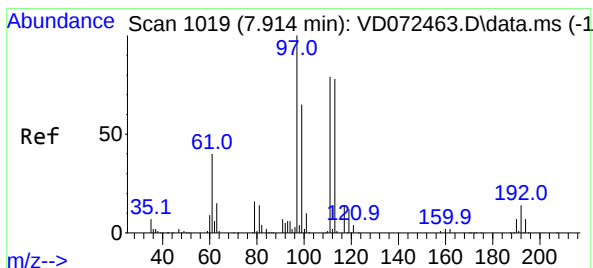
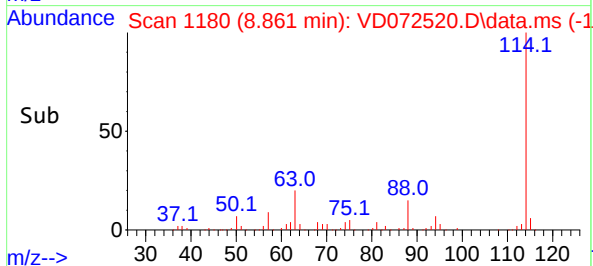
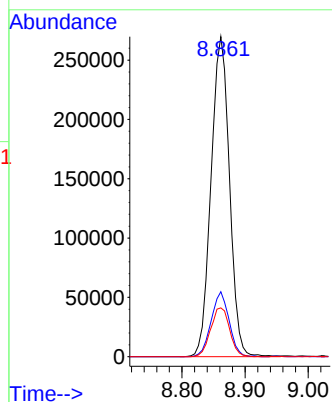
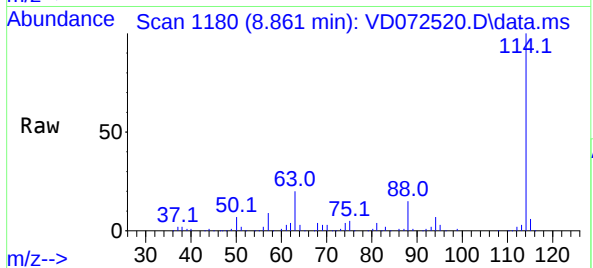




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

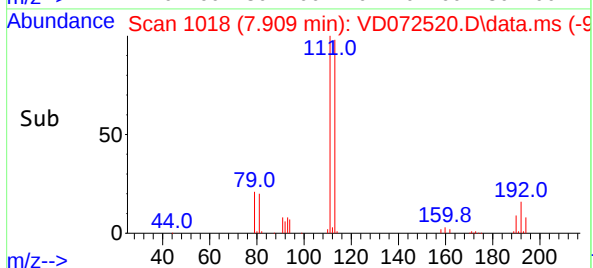
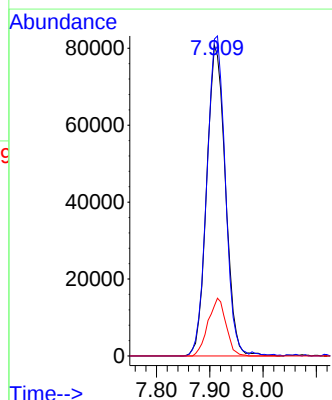
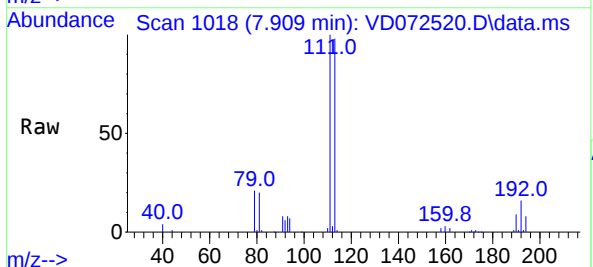
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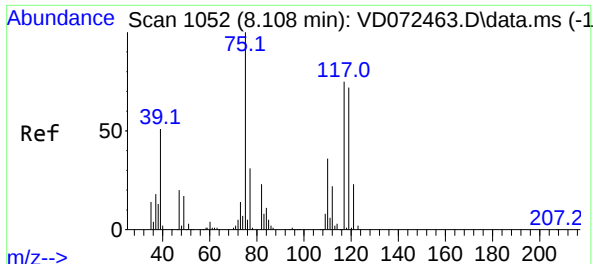
Tgt Ion:114 Resp: 547216
Ion Ratio Lower Upper
114 100
63 20.3 0.0 46.6
88 15.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 46.343 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

Tgt Ion:113 Resp: 197079
Ion Ratio Lower Upper
113 100
111 101.1 83.8 125.6
192 17.8 14.6 21.8

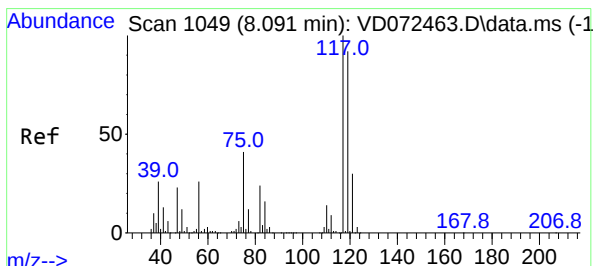
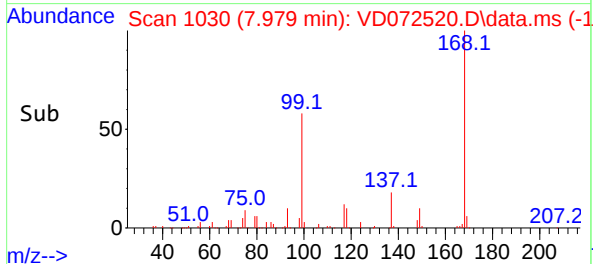
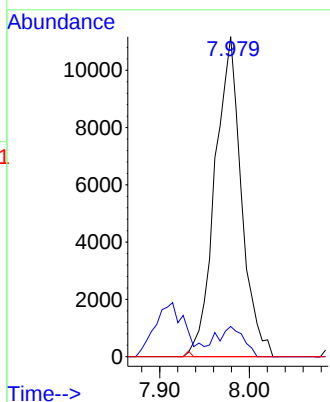
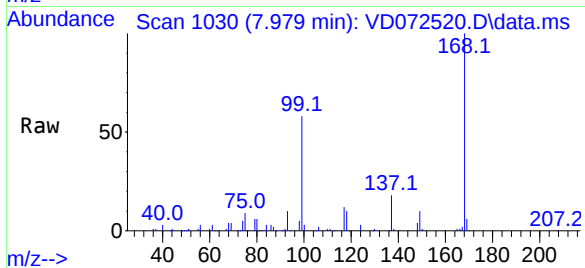




#36
1,1-Dichloropropene
Concen: 5.226 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

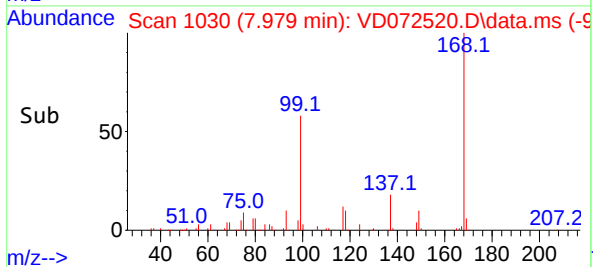
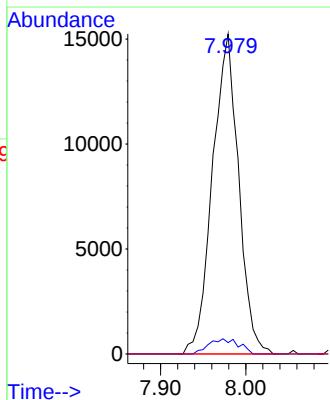
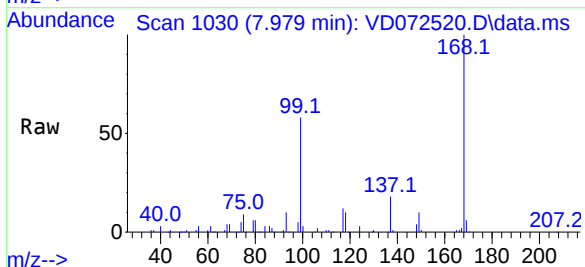
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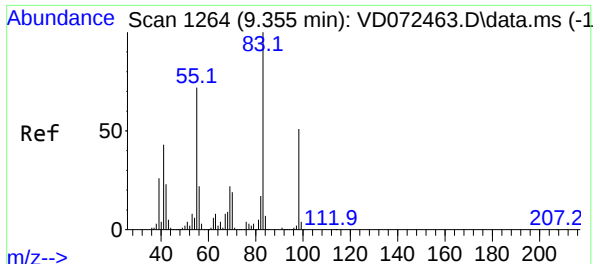
Tgt Ion:	75	Resp:	22805
Ion	Ratio	Lower	Upper
75	100		
110	9.6	16.4	49.1#
77	0.0	24.2	36.2#



#38
Carbon Tetrachloride
Concen: 5.534 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

Tgt Ion:	117	Resp:	32422
Ion	Ratio	Lower	Upper
117	100		
119	3.6	75.8	113.6#
121	0.0	24.5	36.7#

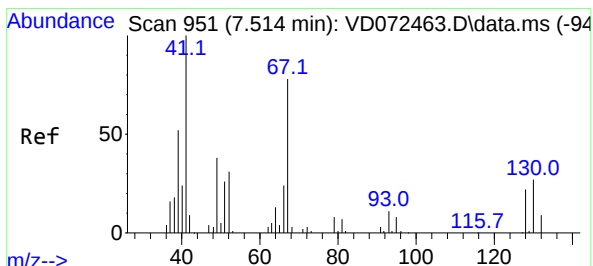
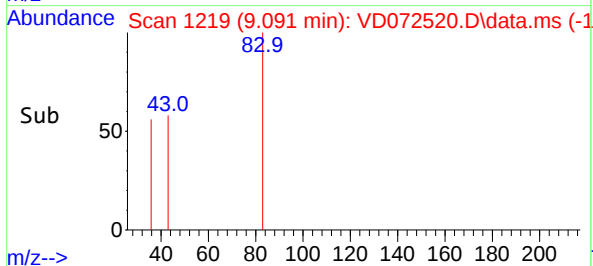
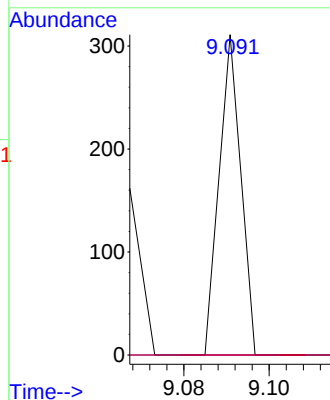
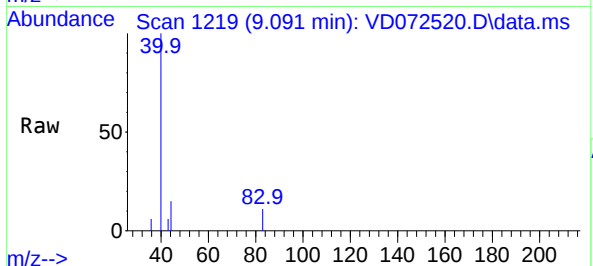




#39
Methylcyclohexane
Concen: 2.893 ug/l
RT: 9.091 min Scan# 110
Delta R.T. -0.264 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

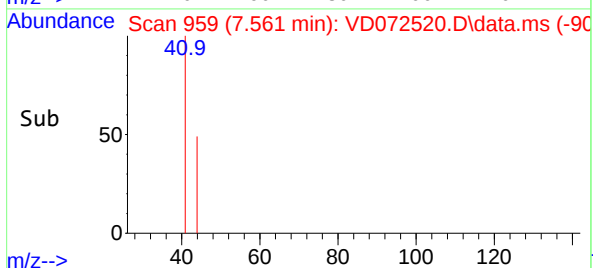
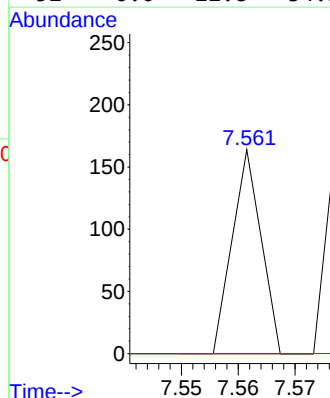
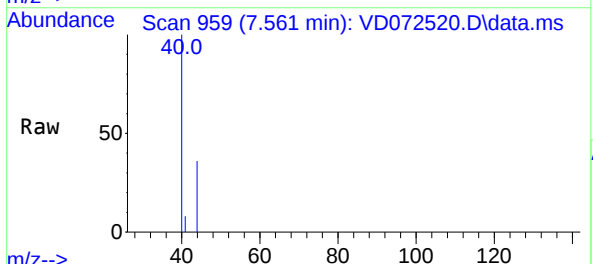
Instrument :
MSVOA_D
ClientSampleId :
CL-02-040122

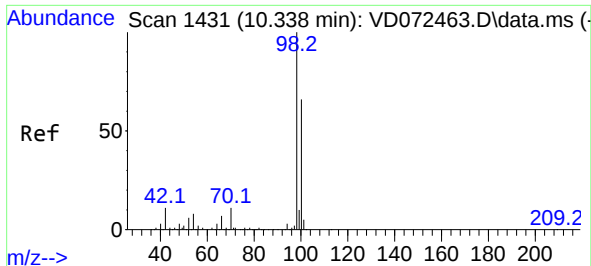
Tgt Ion: 83 Resp: 110
Ion Ratio Lower Upper
83 100
55 0.0 63.2 94.8#
98 0.0 38.2 57.4#



#41
Methacrylonitrile
Concen: 1.701 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.047 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#

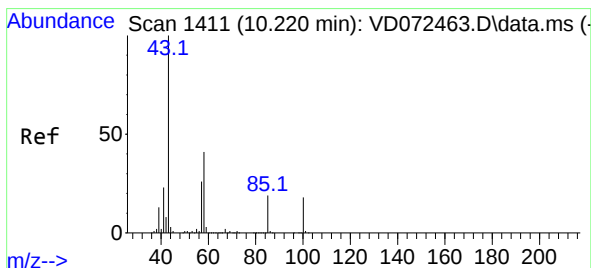
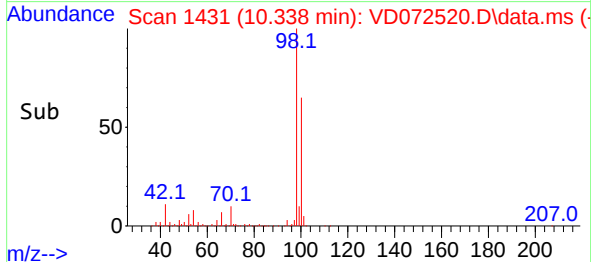
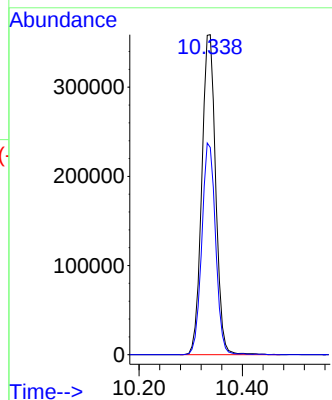
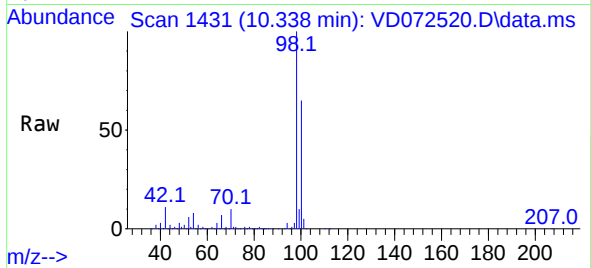




#50
Toluene-d8
Concen: 45.196 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

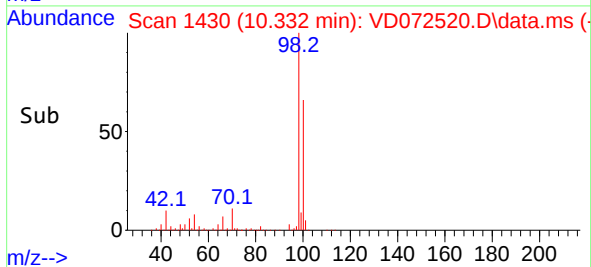
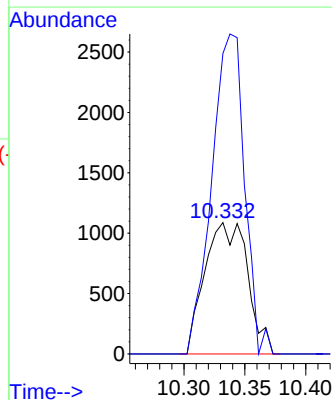
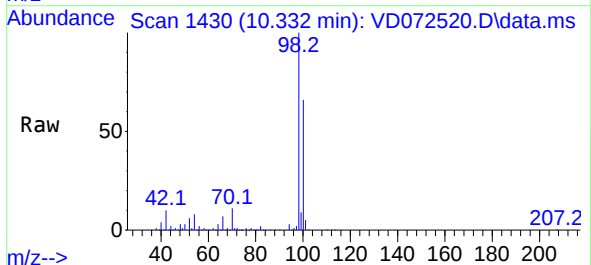
Instrument :
MSVOA_D
ClientSampleId :
CL-02-040122

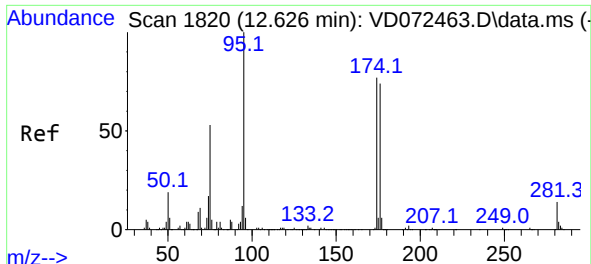
Tgt Ion: 98 Resp: 668102
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.147 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

Tgt Ion: 43 Resp: 2661
Ion Ratio Lower Upper
43 100
58 187.4 28.6 43.0#

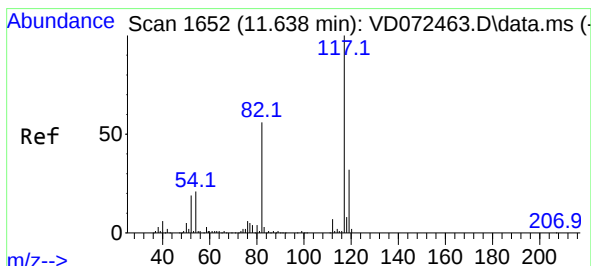
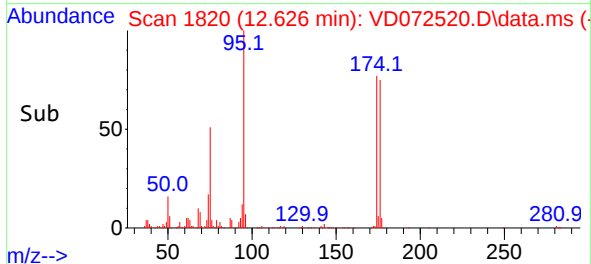
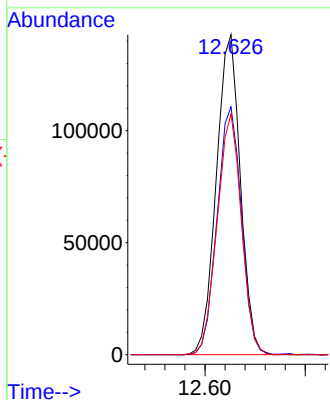
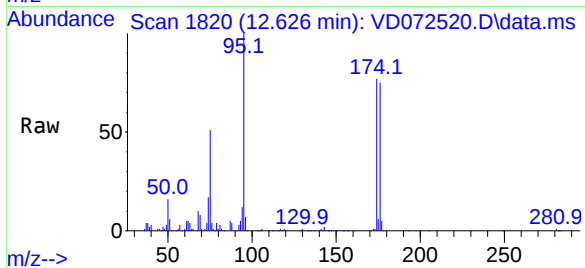




#62
4-Bromofluorobenzene
Concen: 41.135 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

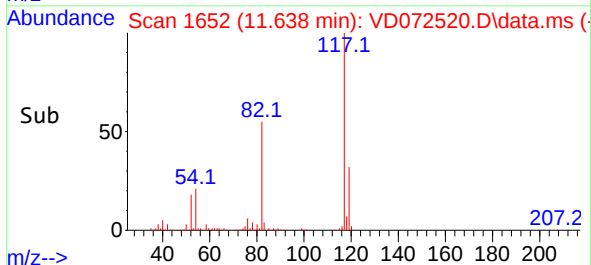
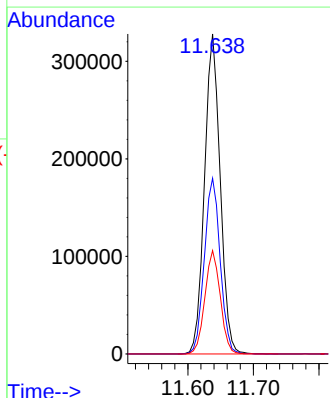
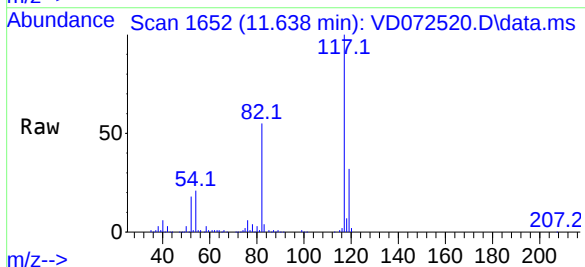
Instrument :
MSVOA_D
ClientSampleId :
CL-02-040122

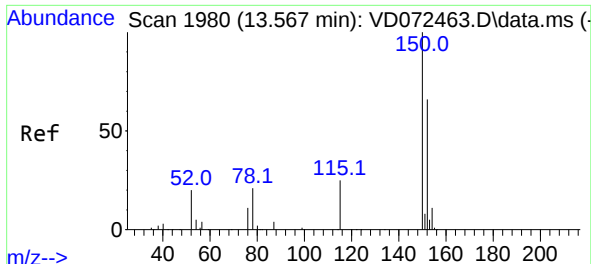
Tgt Ion: 95 Resp: 237483
Ion Ratio Lower Upper
95 100
174 78.4 0.0 152.8
176 75.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

Tgt Ion: 117 Resp: 545576
Ion Ratio Lower Upper
117 100
82 54.9 45.3 67.9
119 32.3 26.6 40.0

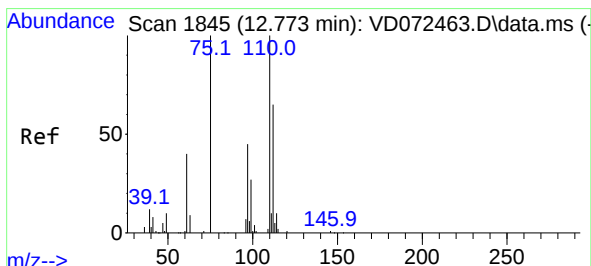
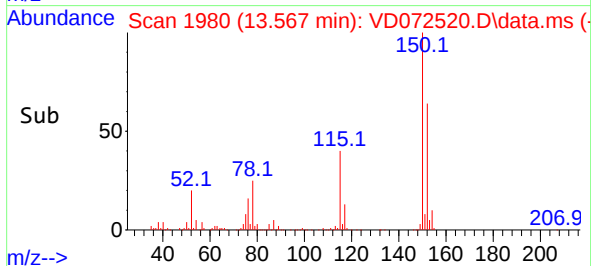
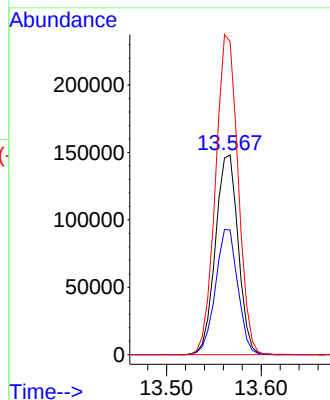
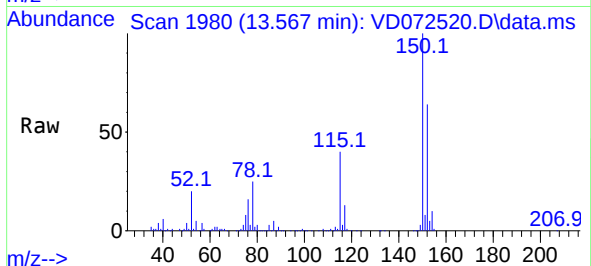




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

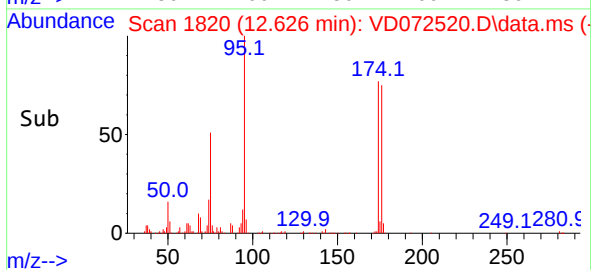
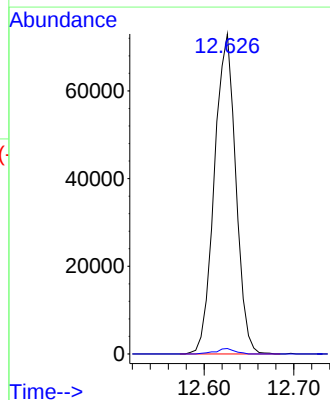
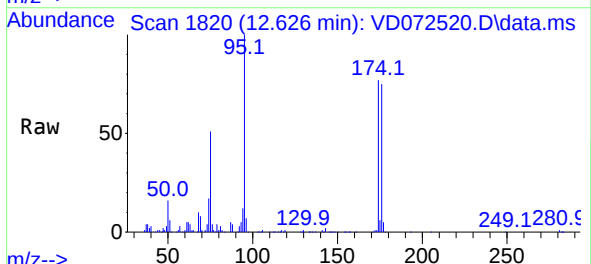
Instrument :
MSVOA_D
ClientSampleId :
CL-02-040122

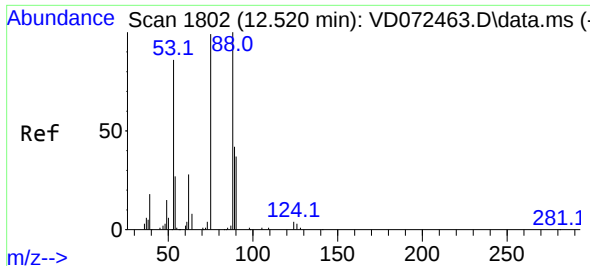
Tgt Ion:152 Resp: 247535
Ion Ratio Lower Upper
152 100
115 62.0 31.3 93.8
150 159.2 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.708 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072520.D
Acq: 04 Apr 2022 15:55

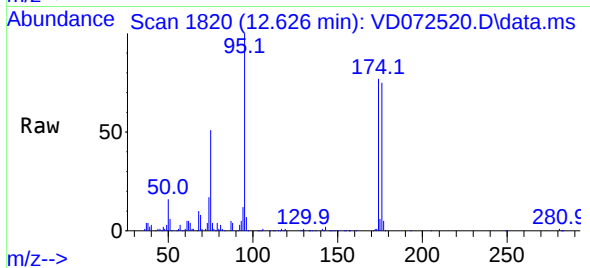
Tgt Ion: 75 Resp: 120701
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.705 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072520.D
 Acq: 04 Apr 2022 15:55

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-040122



Tgt Ion: 75 Resp: 120701
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.1 33.9 50.9#

