

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040122\
 Data File : VD072506.D
 Acq On : 01 Apr 2022 16:50
 Operator : VA/SY
 Sample : N2217-02
 Misc : 6.19G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1S

Quant Time: Apr 02 02:38:43 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)

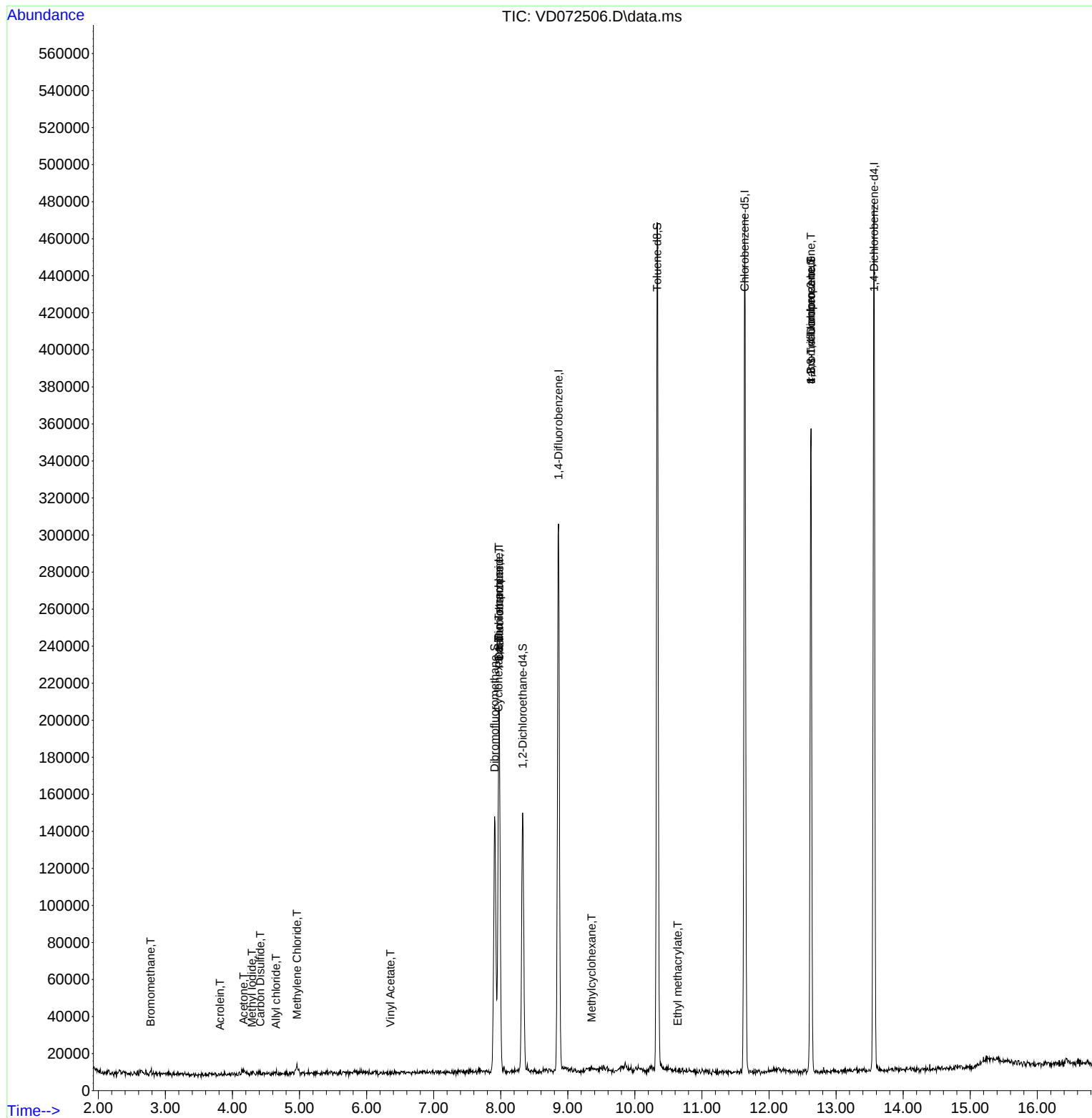
Internal Standards						
1) Pentafluorobenzene	7.979	168	143175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	256029	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	273431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	128023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	111578	64.422	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.840%
35) Dibromofluoromethane	7.909	113	97981	49.244	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.480%
50) Toluene-d8	10.332	98	318344	46.028	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.060%
62) 4-Bromofluorobenzene	12.626	95	118726	43.954	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.900%
Target Compounds	Qvalue					
5) Bromomethane	2.779	94	1087	1.342	ug/l #	57
10) Methyl Iodide	4.291	142	630	4.111	ug/l #	85
13) Acrolein	3.815	56	117	2.883	ug/l #	14
14) Allyl chloride	4.650	41	60	1.153	ug/l #	22
16) Acetone	4.168	43	4023	12.457	ug/l #	81
17) Carbon Disulfide	4.415	76	562	3.813	ug/l #	74
20) Methylene Chloride	4.962	84	2845	1.480	ug/l #	83
23) Vinyl Acetate	6.356	43	55	6.308	ug/l #	75
31) Cyclohexane	7.967	56	3106	1.371	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	12569	5.956	ug/l #	49
38) Carbon Tetrachloride	7.973	117	16392	5.980	ug/l #	17
39) Methylcyclohexane	9.356	83	56	2.894	ug/l #	17
56) Ethyl methacrylate	10.638	69	780	1.594	ug/l #	24
76) 1,2,3-Trichloropropane	12.626	75	60061	43.014	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	60061	105.549	ug/l #	7

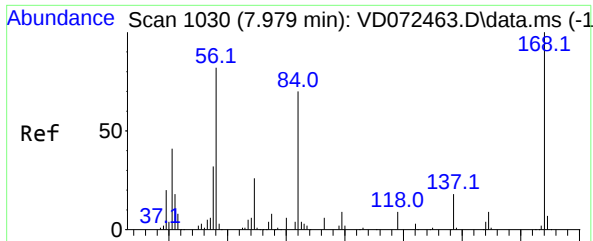
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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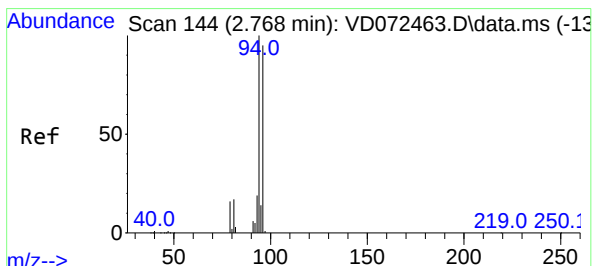
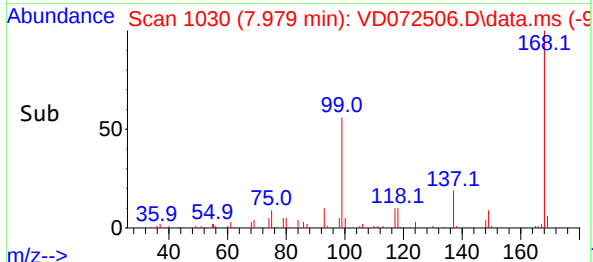
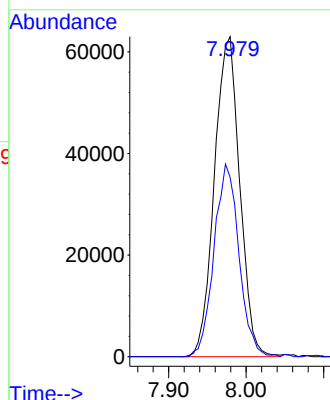
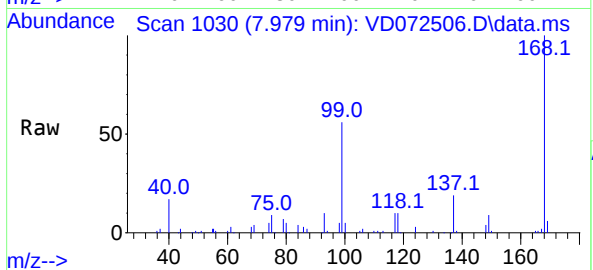




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

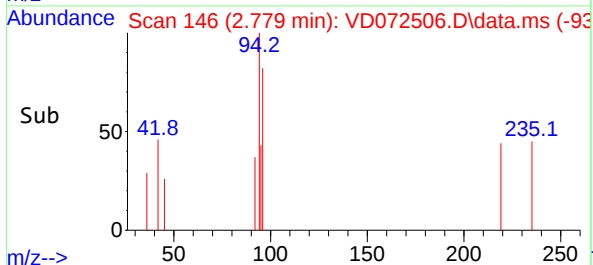
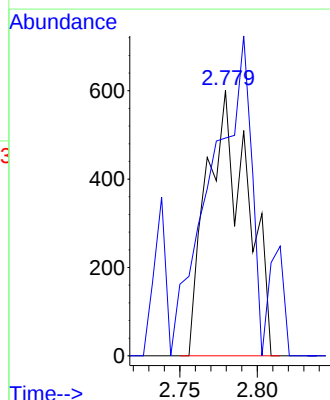
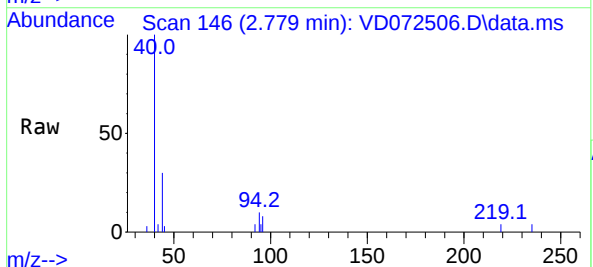
Instrument :
MSVOA_D
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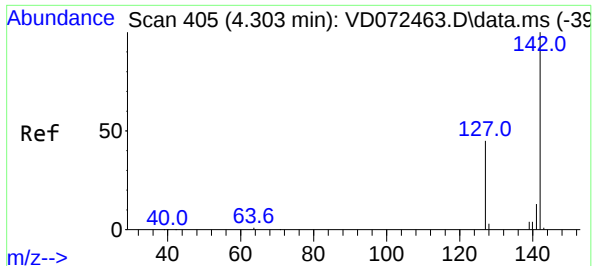
Tgt Ion:168 Resp: 143175
Ion Ratio Lower Upper
168 100
99 56.0 49.8 74.6



#5
Bromomethane
Concen: 1.342 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

Tgt Ion: 94 Resp: 1087
Ion Ratio Lower Upper
94 100
96 55.1 77.6 116.4#

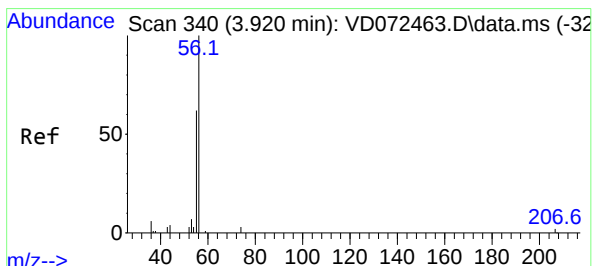
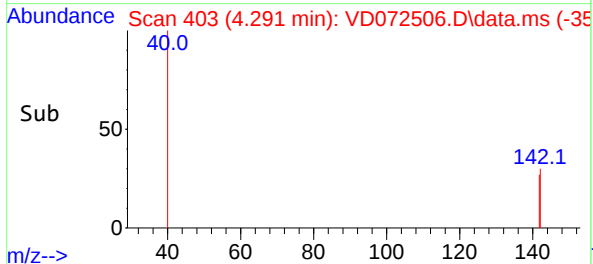
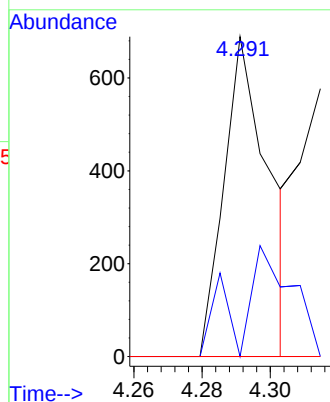
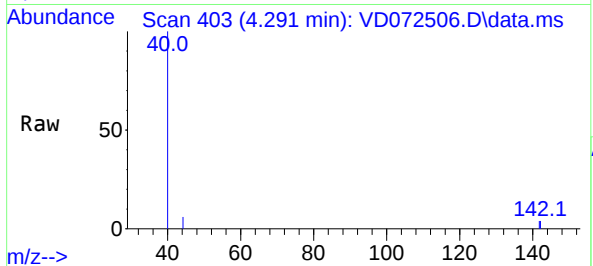




#10
Methyl Iodide
Concen: 4.111 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

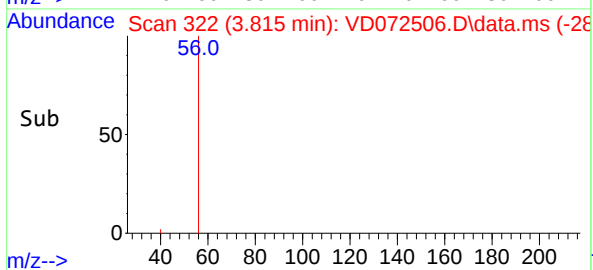
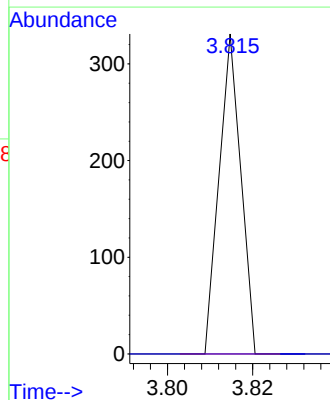
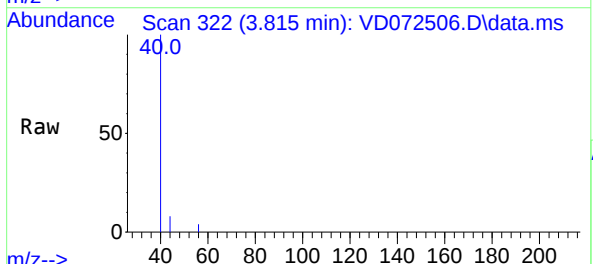
Instrument :
MSVOA_D
ClientSampleId :
SB-1S

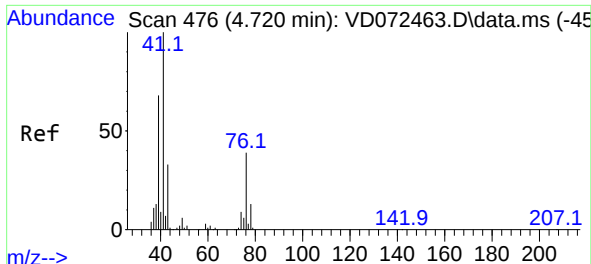
Tgt Ion:142 Resp: 630
Ion Ratio Lower Upper
142 100
127 40.5 37.3 55.9
141 0.0 11.7 17.5#



#13
Acrolein
Concen: 2.883 ug/l
RT: 3.815 min Scan# 322
Delta R.T. -0.105 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

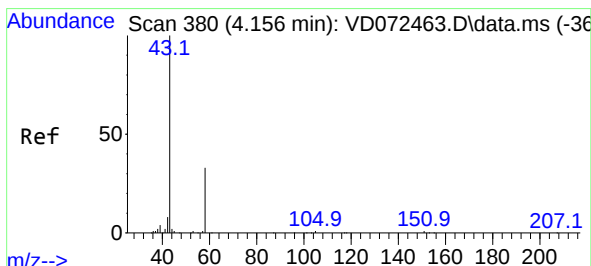
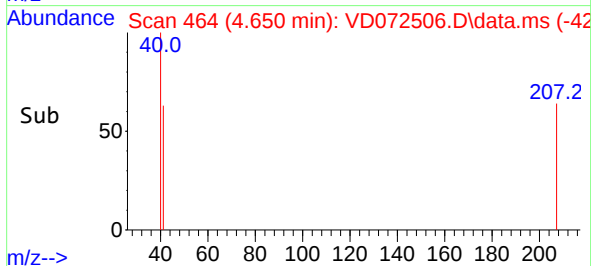
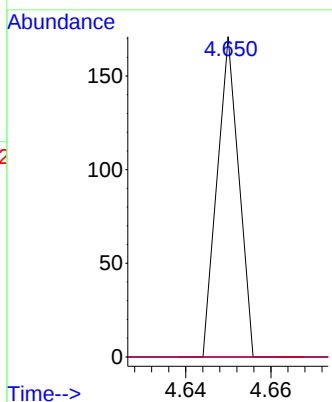
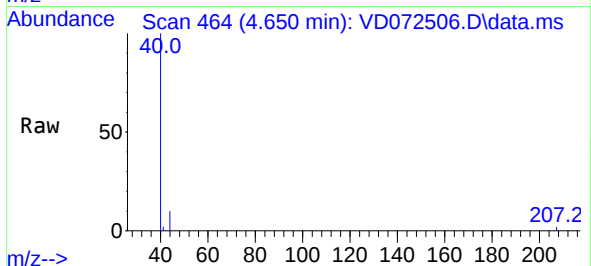




#14
Allyl chloride
Concen: 1.153 ug/l
RT: 4.650 min Scan# 41
Delta R.T. -0.070 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

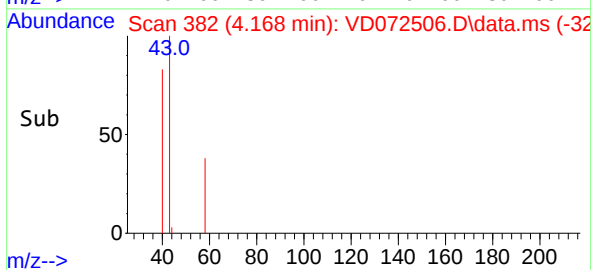
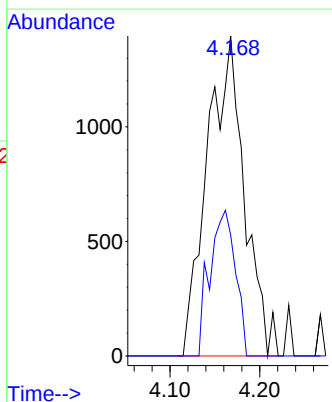
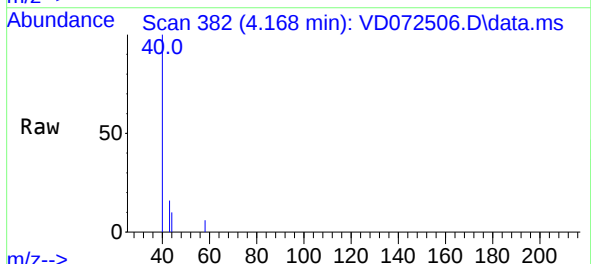
Instrument :
MSVOA_D
ClientSampleId :
SB-1S

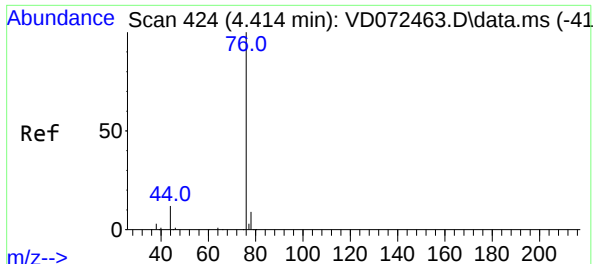
Tgt Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#



#16
Acetone
Concen: 12.457 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

Tgt Ion: 43 Resp: 4023
Ion Ratio Lower Upper
43 100
58 37.7 22.1 33.1#

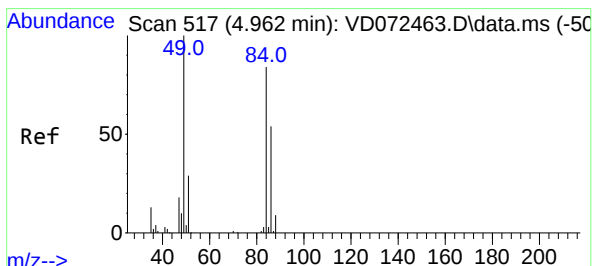
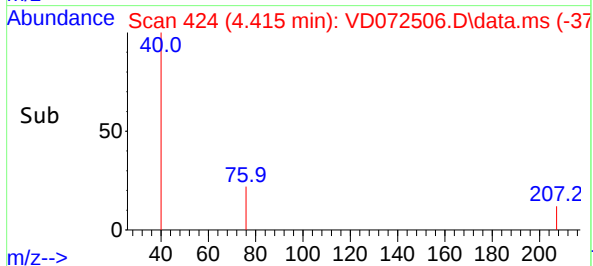
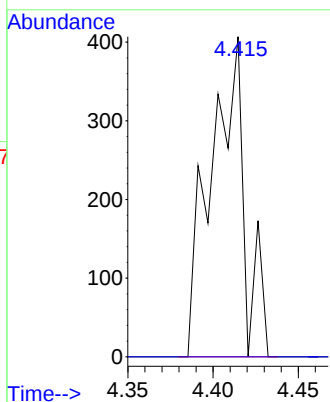
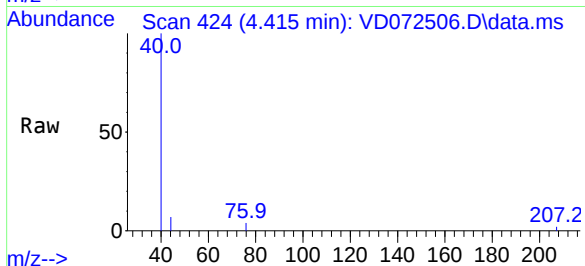




#17
Carbon Disulfide
Concen: 3.813 ug/l
RT: 4.415 min Scan# 41
Delta R.T. 0.001 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

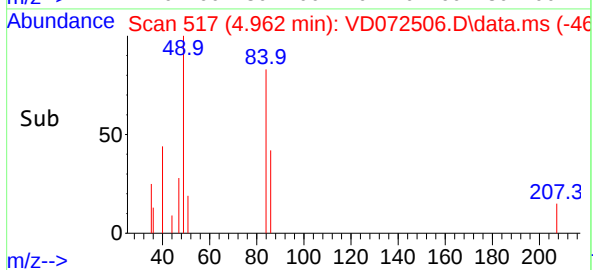
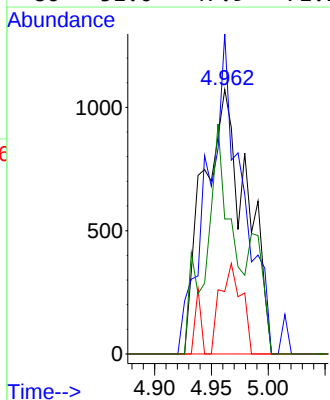
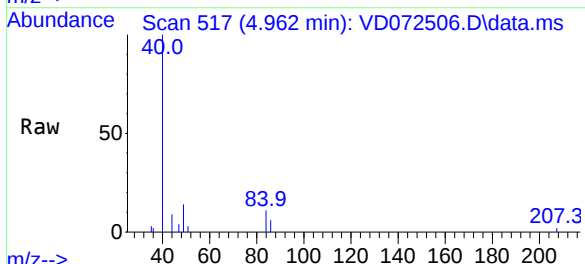
Instrument :
MSVOA_D
ClientSampleId :
SB-1S

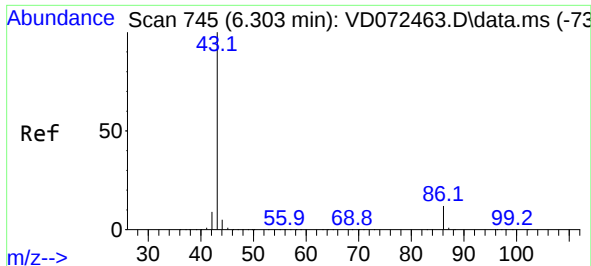
Tgt Ion: 76 Resp: 562
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 1.480 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

Tgt Ion: 84 Resp: 2845
Ion Ratio Lower Upper
84 100
49 121.0 112.8 169.2
51 23.6 32.6 48.8#
86 51.0 47.9 71.9

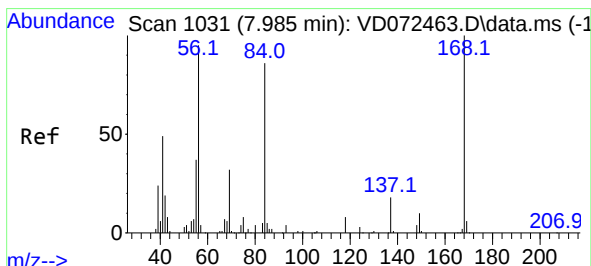
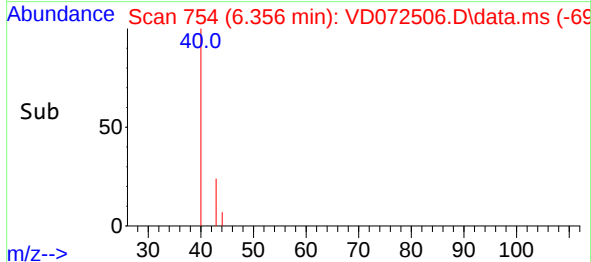
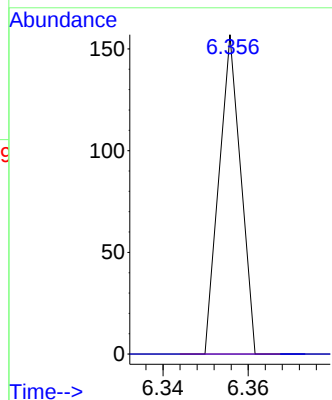
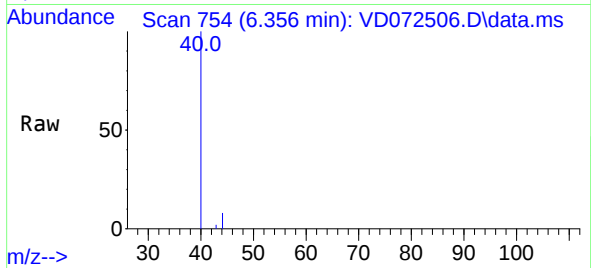




#23
 Vinyl Acetate
 Concen: 6.308 ug/l
 RT: 6.356 min Scan# 71
 Delta R.T. 0.053 min
 Lab File: VD072506.D
 Acq: 01 Apr 2022 16:50

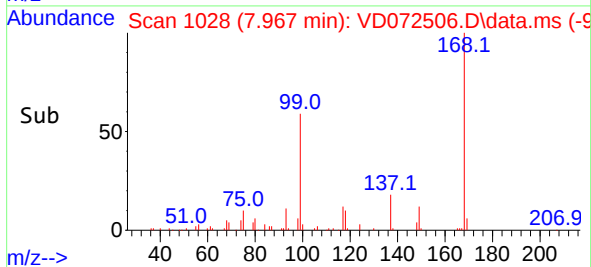
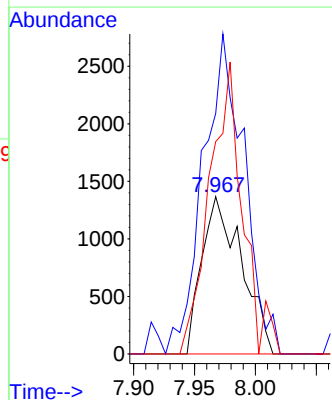
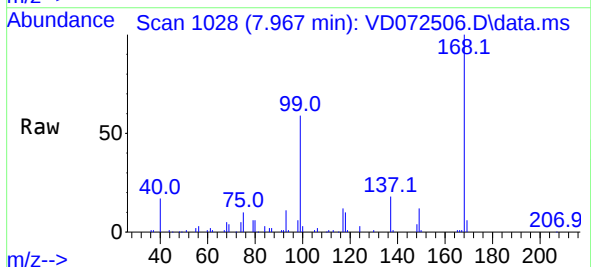
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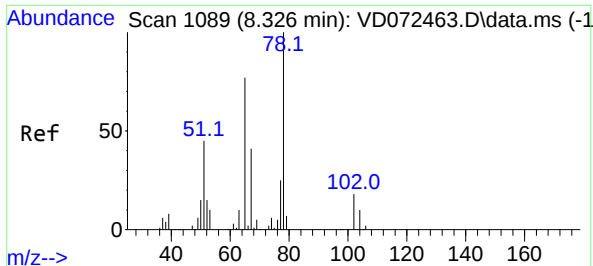
Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#31
 Cyclohexane
 Concen: 1.371 ug/l
 RT: 7.967 min Scan# 1028
 Delta R.T. -0.017 min
 Lab File: VD072506.D
 Acq: 01 Apr 2022 16:50

Tgt Ion: 56 Resp: 3106
 Ion Ratio Lower Upper
 56 100
 69 153.0 25.4 38.2#
 84 135.0 63.0 94.4#

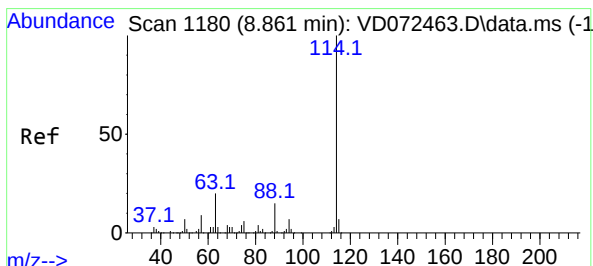
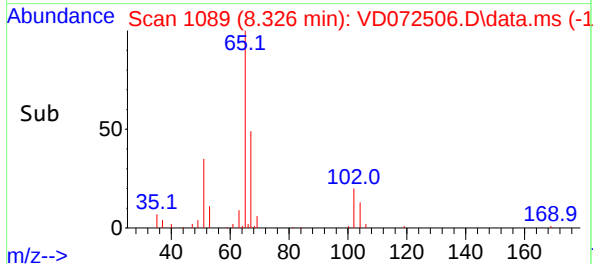
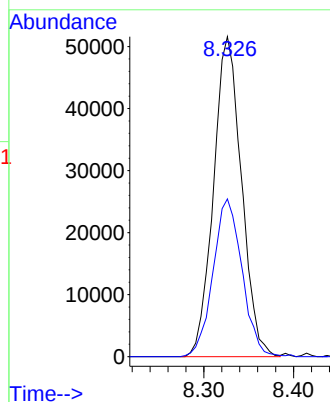
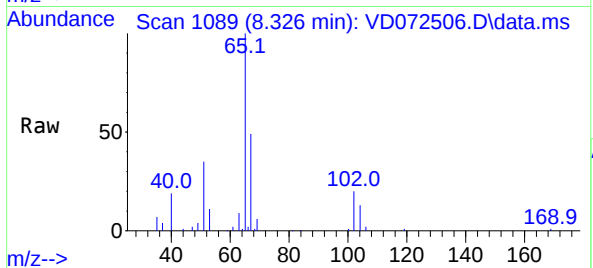




#33
1,2-Dichloroethane-d4
Concen: 64.422 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

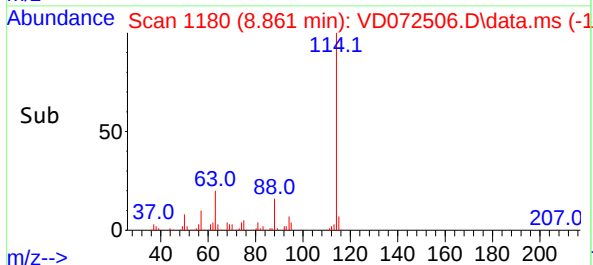
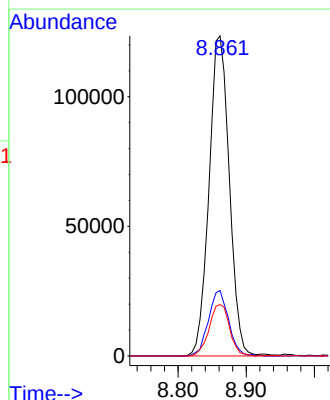
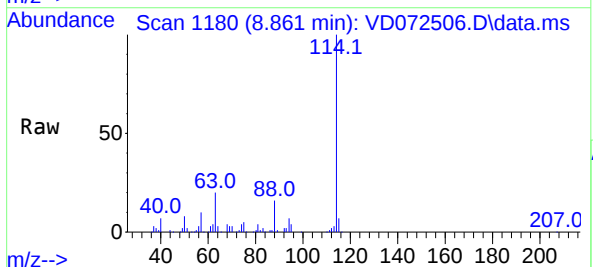
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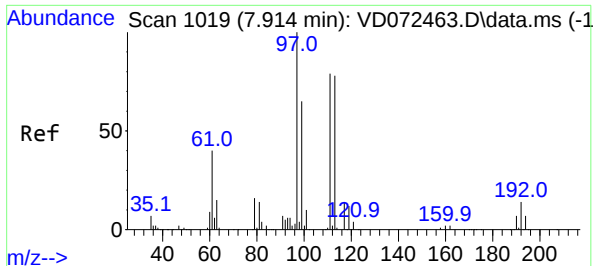
Tgt Ion: 65 Resp: 111578
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

Tgt Ion: 114 Resp: 256029
Ion Ratio Lower Upper
114 100
63 20.4 0.0 46.6
88 16.0 0.0 33.2

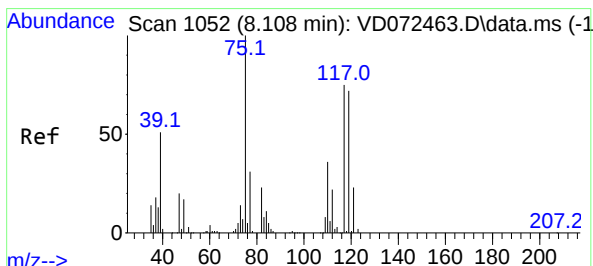
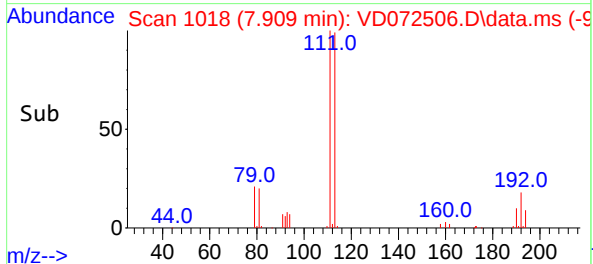
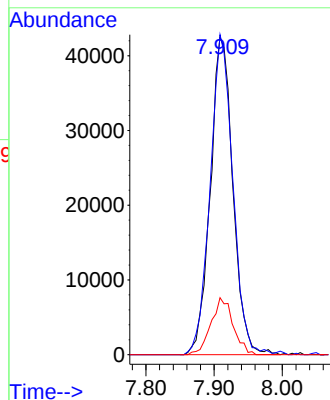
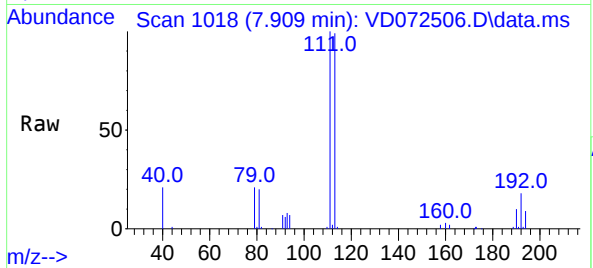




#35
Dibromofluoromethane
Concen: 49.244 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

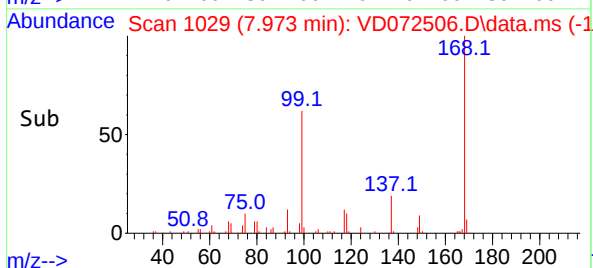
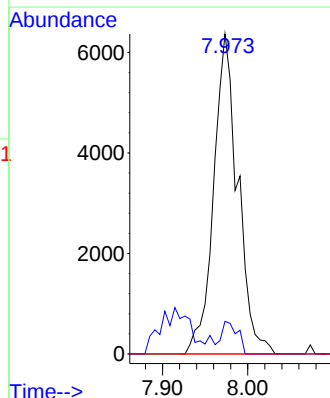
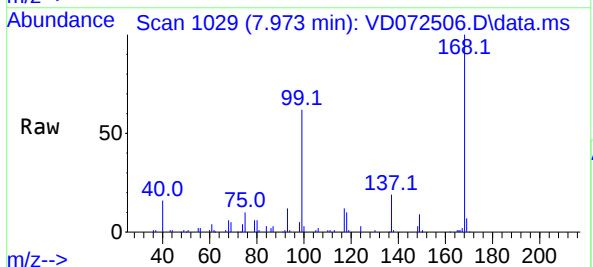
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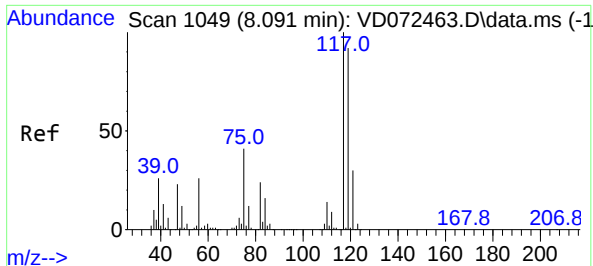
Tgt Ion:	113	Resp:	97981
Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.8	125.6
192	17.6	14.6	21.8



#36
1,1-Dichloropropene
Concen: 5.956 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

Tgt Ion:	75	Resp:	12569
Ion	Ratio	Lower	Upper
75	100		
110	6.7	16.4	49.1#
77	0.0	24.2	36.2#

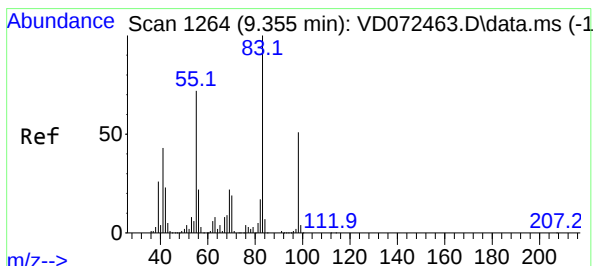
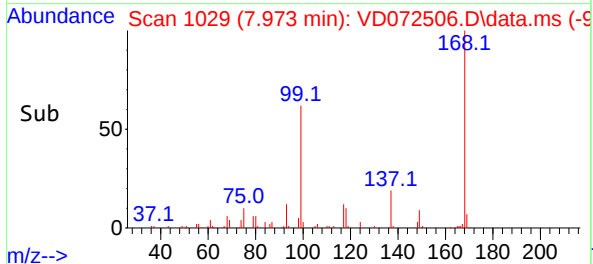
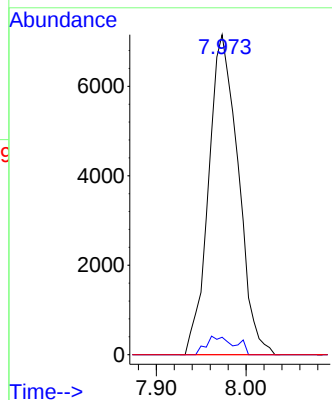
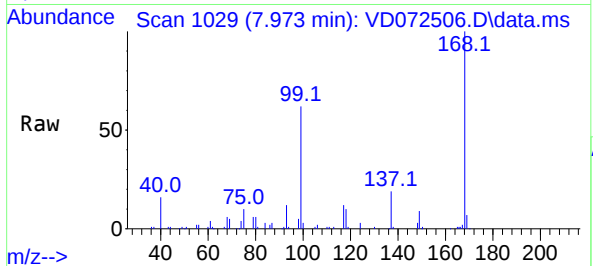




#38
Carbon Tetrachloride
Concen: 5.980 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

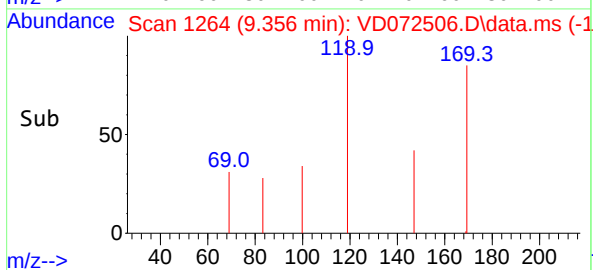
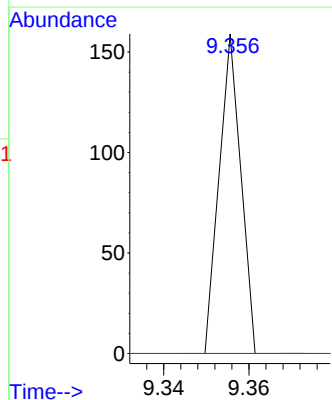
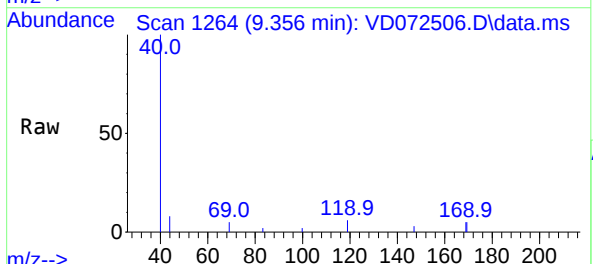
Instrument :
MSVOA_D
ClientSampleId :
SB-1S

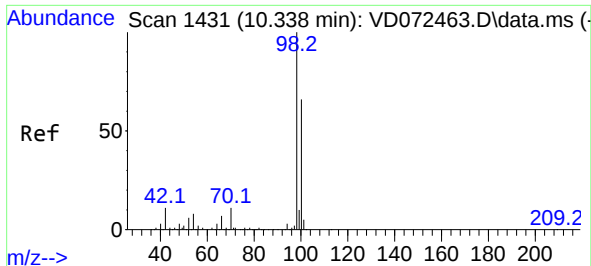
Tgt Ion:117 Resp: 16392
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.894 ug/l
RT: 9.356 min Scan# 1264
Delta R.T. 0.001 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

Tgt Ion: 83 Resp: 56
Ion Ratio Lower Upper
83 100
55 0.0 63.2 94.8#
98 0.0 38.2 57.4#

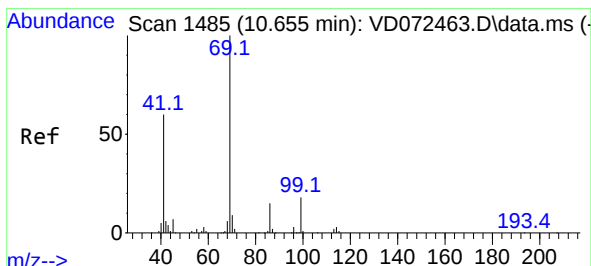
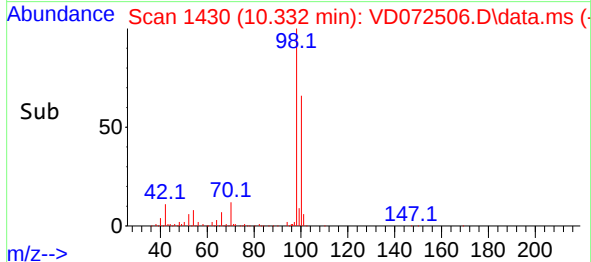
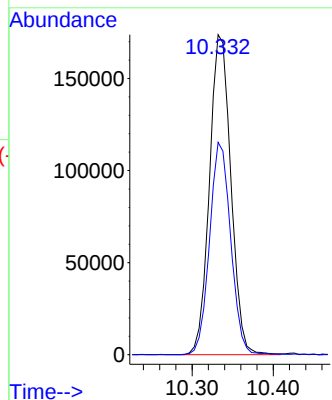
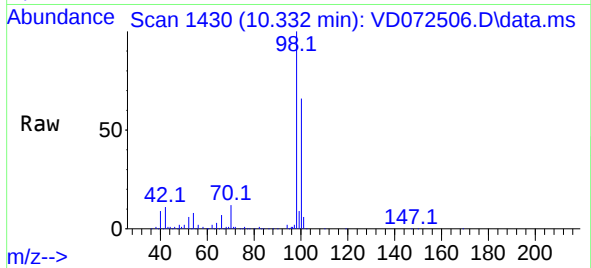




#50
Toluene-d8
Concen: 46.028 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

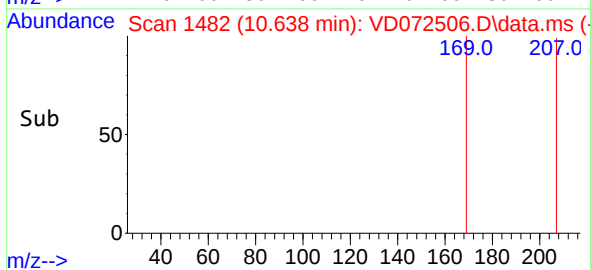
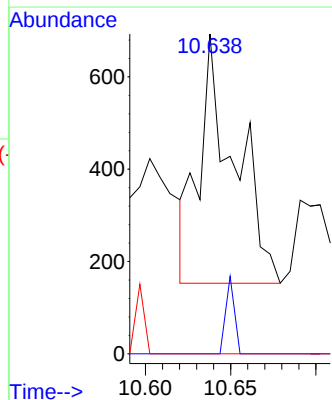
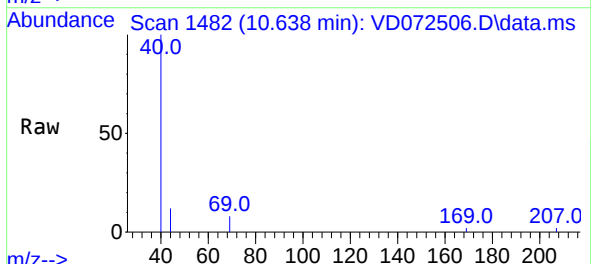
Instrument :
MSVOA_D
ClientSampleId :
SB-1S

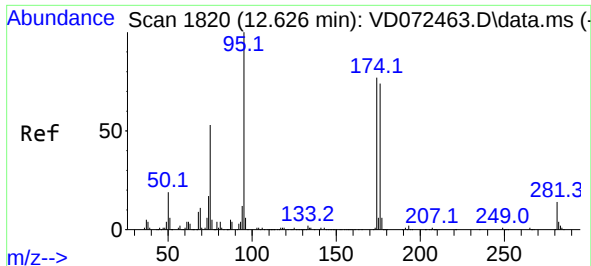
Tgt Ion: 98 Resp: 318344
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.594 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

Tgt Ion: 69 Resp: 780
Ion Ratio Lower Upper
69 100
41 7.6 63.0 94.6#
39 0.0 33.8 50.8#

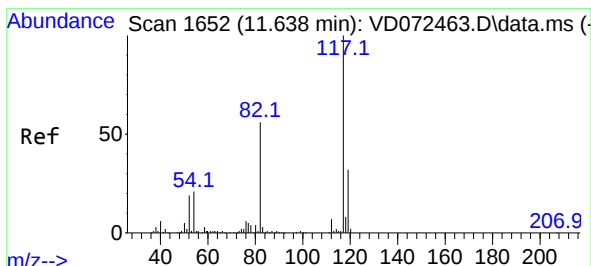
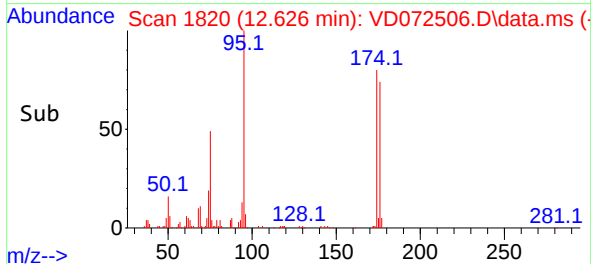
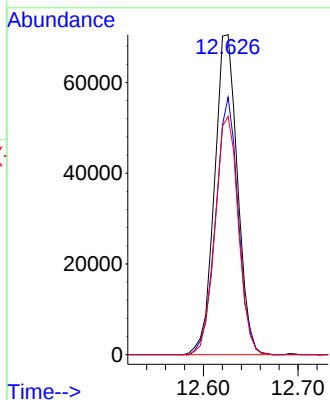
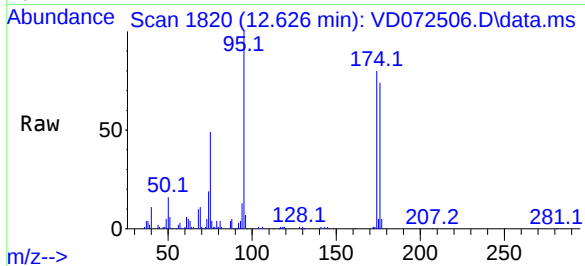




#62
4-Bromofluorobenzene
Concen: 43.954 ug/l
RT: 12.626 min Scan# 118726
Delta R.T. 0.000 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

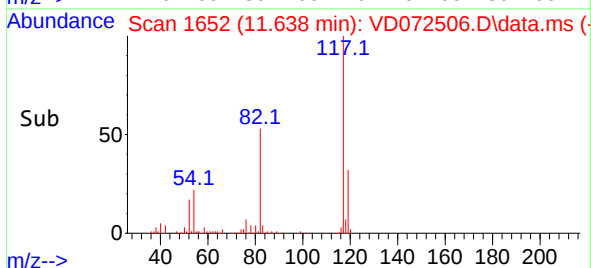
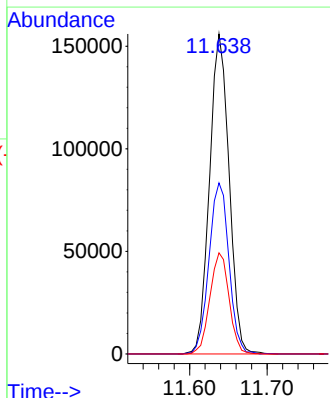
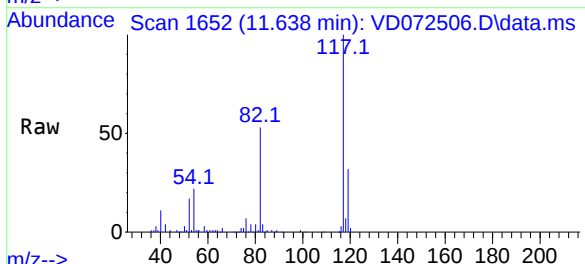
Instrument :
MSVOA_D
ClientSampleId :
SB-1S

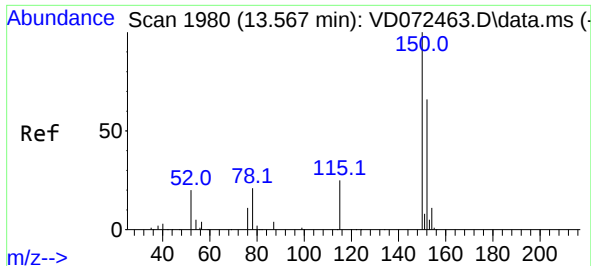
Tgt Ion: 95 Resp: 118726
Ion Ratio Lower Upper
95 100
174 79.0 0.0 152.8
176 75.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

Tgt Ion: 117 Resp: 273431
Ion Ratio Lower Upper
117 100
82 53.5 45.3 67.9
119 31.6 26.6 40.0

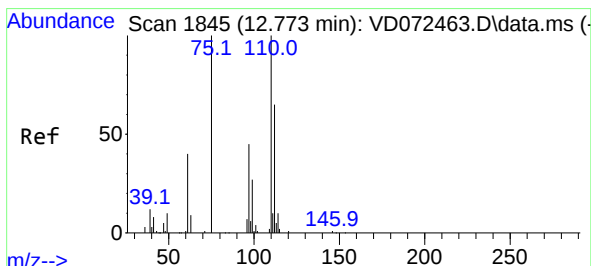
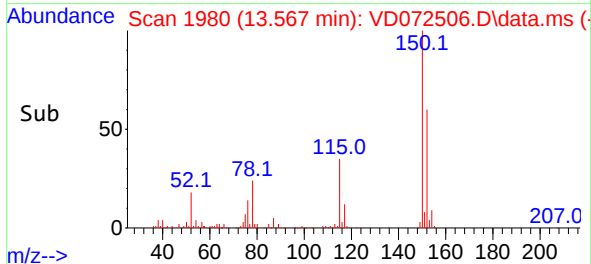
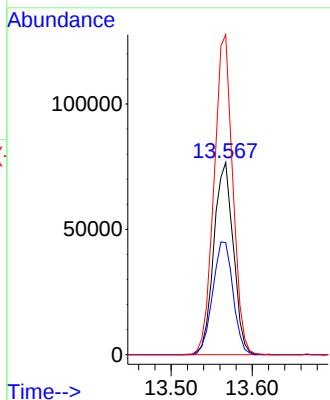
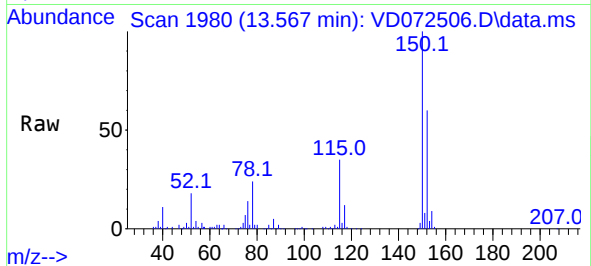




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

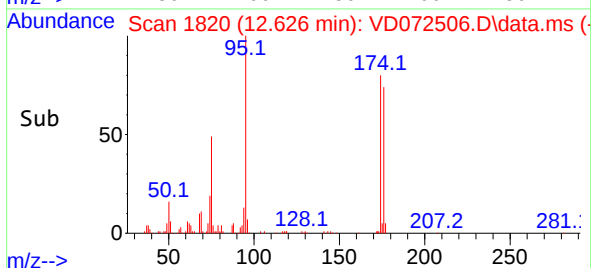
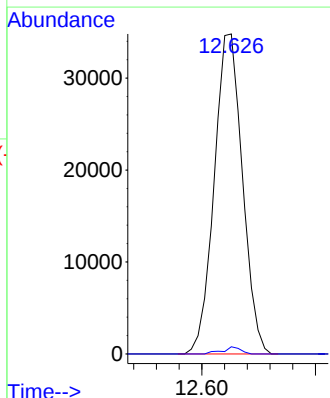
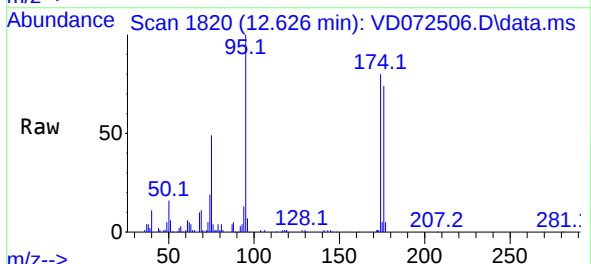
Instrument :
MSVOA_D
ClientSampleId :
SB-1S

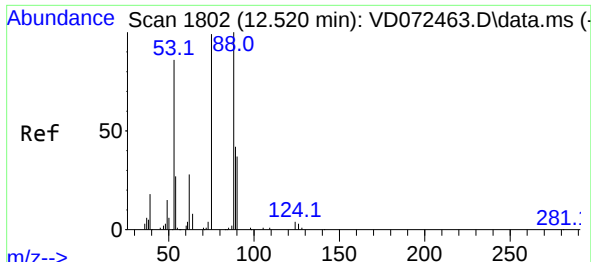
Tgt Ion:152 Resp: 128023
Ion Ratio Lower Upper
152 100
115 61.1 31.3 93.8
150 160.1 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 43.014 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072506.D
Acq: 01 Apr 2022 16:50

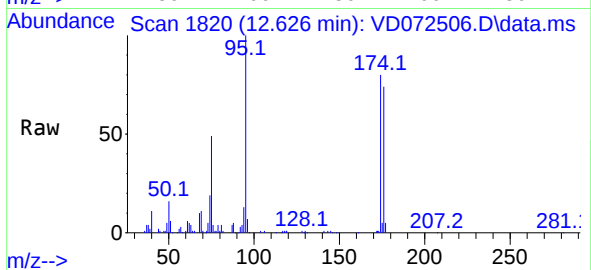
Tgt Ion: 75 Resp: 60061
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.549 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072506.D
 Acq: 01 Apr 2022 16:50

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1S



Tgt Ion: 75 Resp: 60061
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.3 33.9 50.9#

