

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040422\
 Data File : VD072517.D
 Acq On : 04 Apr 2022 14:30
 Operator : VA/SY
 Sample : N2227-01
 Misc : 3.56G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124055

Quant Time: Apr 05 03:19:52 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	7.973	168	70016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	122418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	129383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	59464	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	62734	74.068	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 148.140%	
35) Dibromofluoromethane	7.914	113	51987	54.645	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.280%	
50) Toluene-d8	10.332	98	145253	43.923	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 87.840%	
62) 4-Bromofluorobenzene	12.620	95	52975	41.017	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.040%	

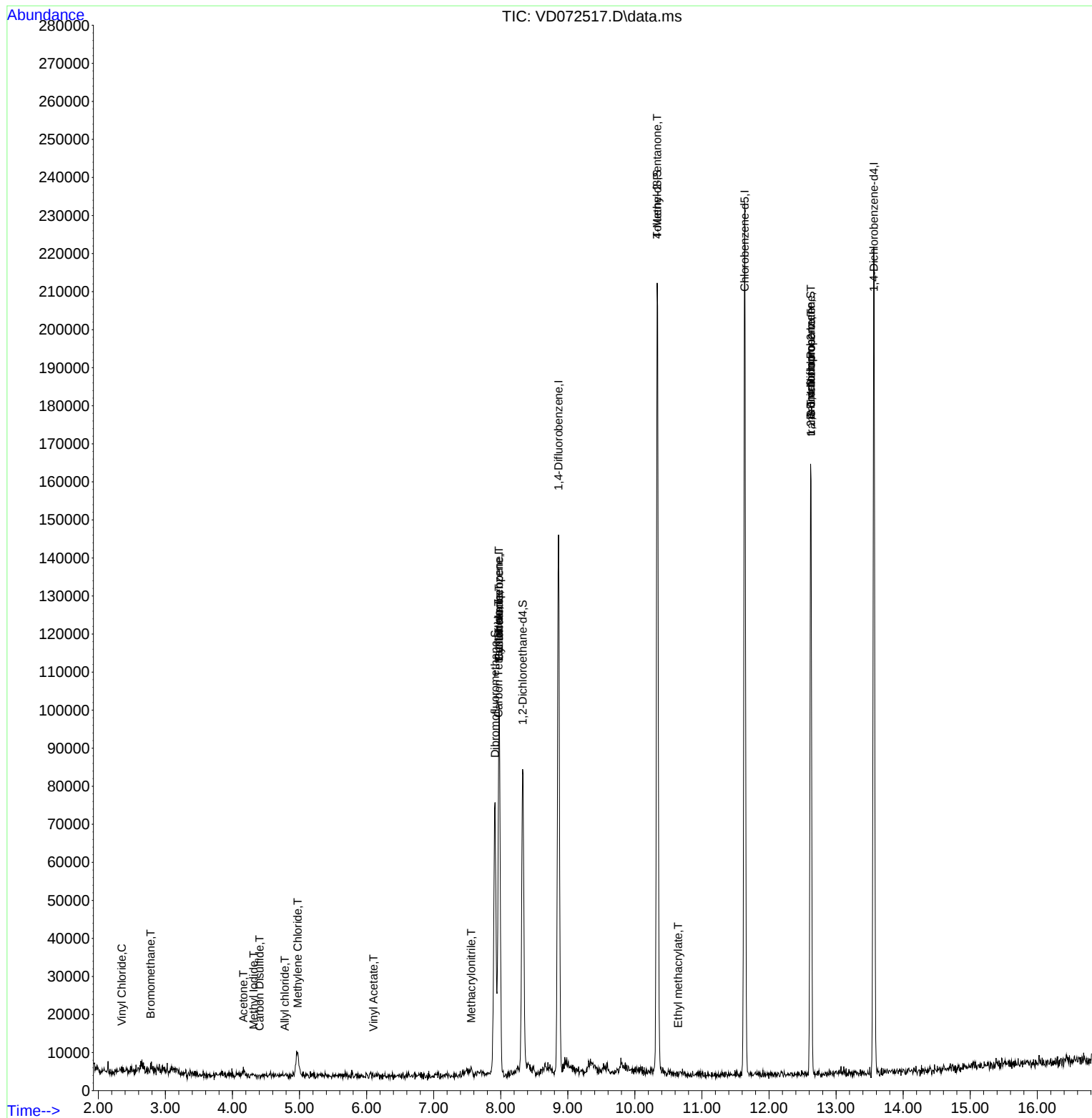
Target Compounds						Qvalue
4) Vinyl Chloride	2.350	62	135	1.174	ug/l #	43
5) Bromomethane	2.779	94	917	2.315	ug/l #	40
10) Methyl Iodide	4.315	142	1155	5.156	ug/l #	54
14) Allyl chloride	4.779	41	55	1.175	ug/l #	22
16) Acetone	4.162	43	2638	16.703	ug/l #	79
17) Carbon Disulfide	4.403	76	60	3.667	ug/l #	74
20) Methylene Chloride	4.973	84	5569	5.923	ug/l #	65
23) Vinyl Acetate	6.103	43	55	6.328	ug/l #	75
31) Cyclohexane	7.973	56	1940	1.752	ug/l #	44
36) 1,1-Dichloropropene	7.973	75	5484	5.533	ug/l #	51
38) Carbon Tetrachloride	7.967	117	7204	5.497	ug/l #	19
41) Methacrylonitrile	7.562	41	70	1.888	ug/l #	46
51) 4-Methyl-2-Pentanone	10.332	43	936	1.804	ug/l #	1
56) Ethyl methacrylate	10.644	69	70	1.266	ug/l #	18
71) Bromoform	12.620	173	659	1.075	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	28347	43.708	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	28347	107.252	ug/l #	7

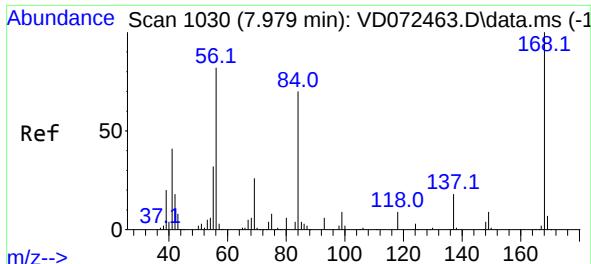
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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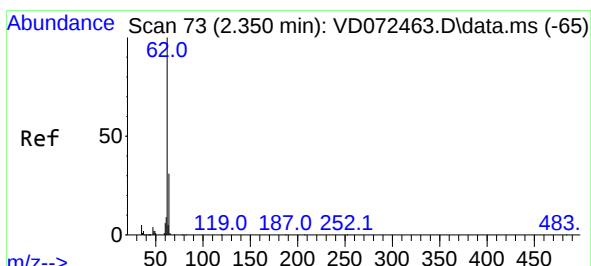
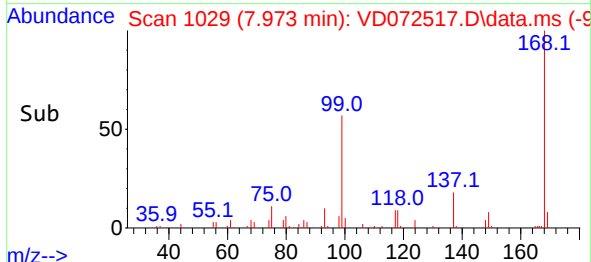
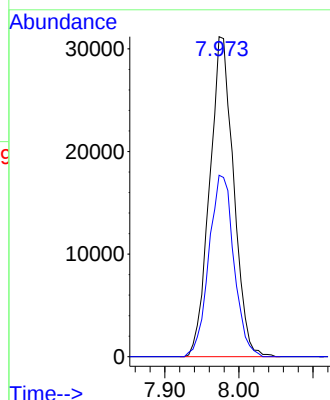
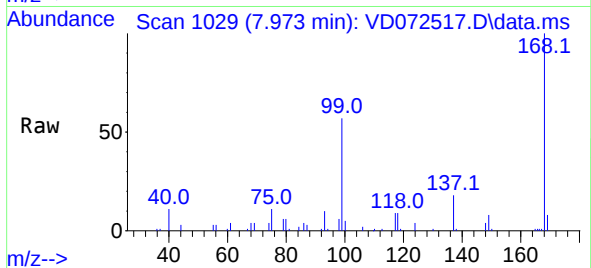




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

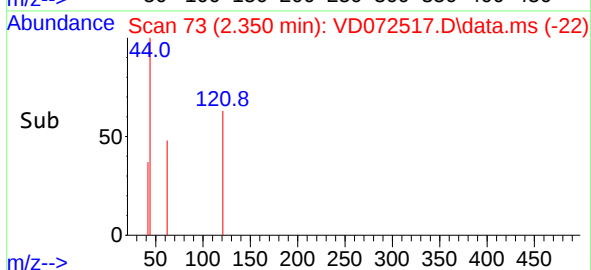
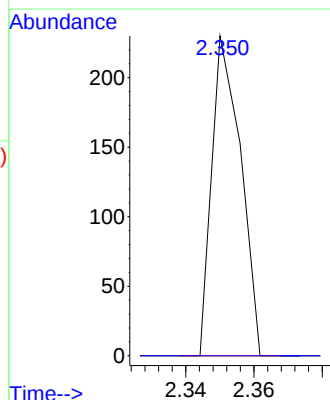
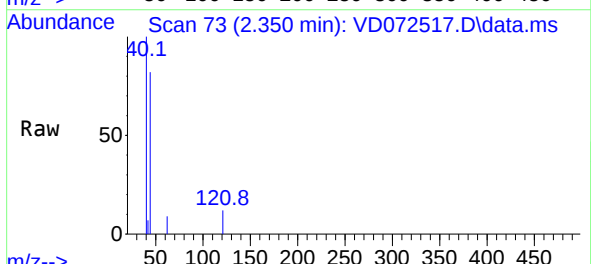
Instrument :
MSVOA_D
ClientSampleId :
124055

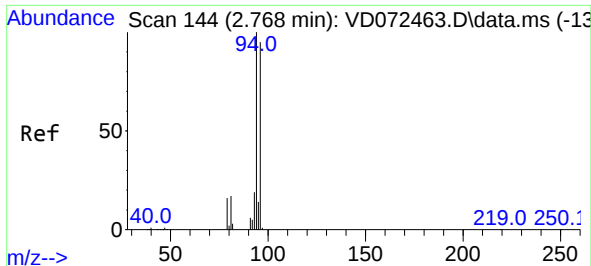
Tgt Ion:168 Resp: 70016
Ion Ratio Lower Upper
168 100
99 56.7 49.8 74.6



#4
Vinyl Chloride
Concen: 1.174 ug/l
RT: 2.350 min Scan# 73
Delta R.T. 0.000 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

Tgt Ion: 62 Resp: 135
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

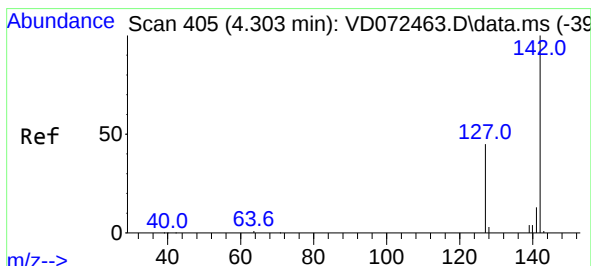
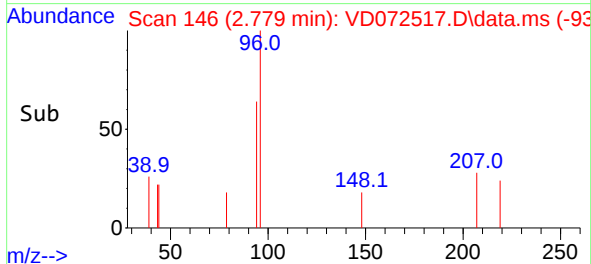
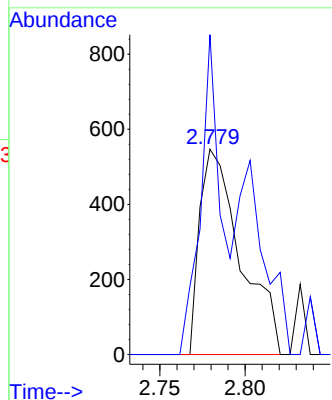
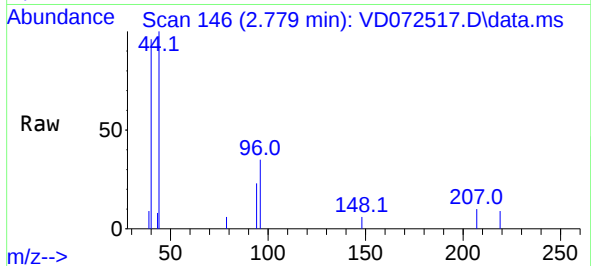




#5
Bromomethane
Concen: 2.315 ug/l
RT: 2.779 min Scan# 144
Delta R.T. 0.012 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

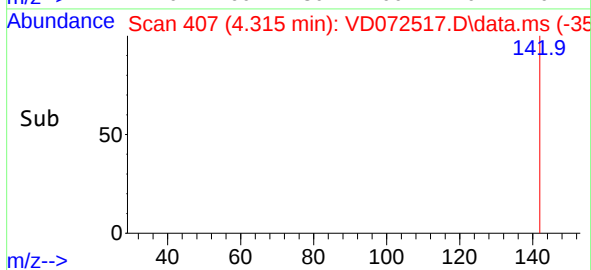
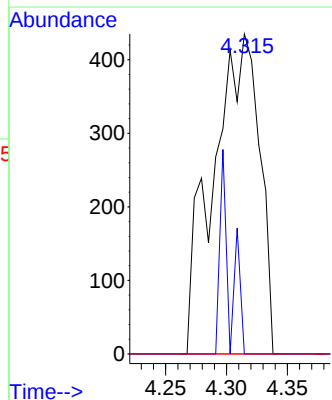
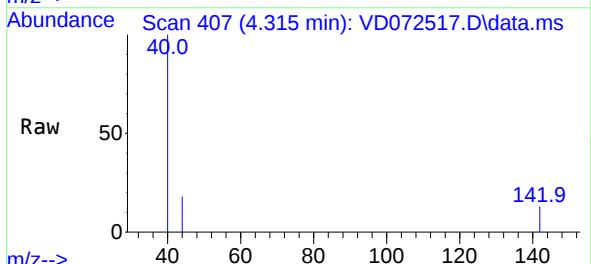
Instrument :
MSVOA_D
ClientSampleId :
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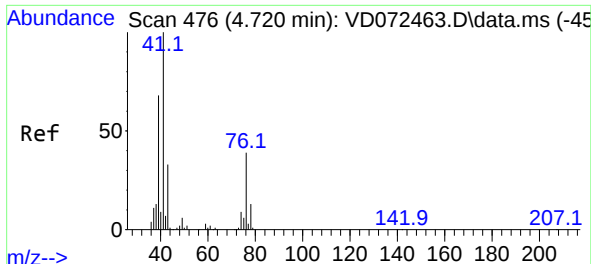
Tgt Ion: 94 Resp: 917
Ion Ratio Lower Upper
94 100
96 155.8 77.6 116.4#



#10
Methyl Iodide
Concen: 5.156 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

Tgt Ion: 142 Resp: 1155
Ion Ratio Lower Upper
142 100
127 13.7 37.3 55.9#
141 0.0 11.7 17.5#

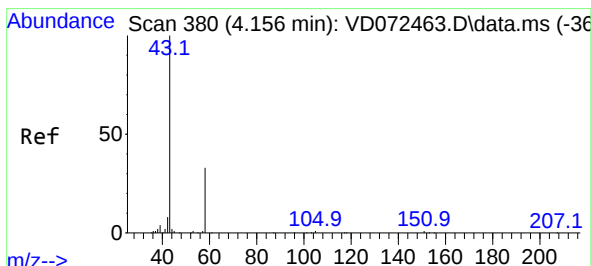
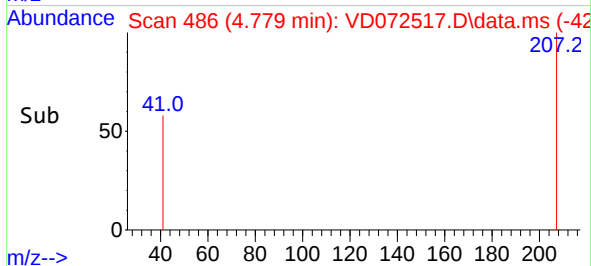
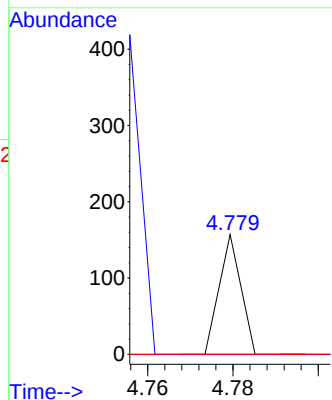
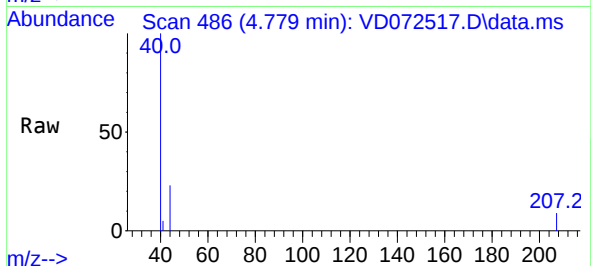




#14
 Allyl chloride
 Concen: 1.175 ug/l
 RT: 4.779 min Scan# 41
 Delta R.T. 0.059 min
 Lab File: VD072517.D
 Acq: 04 Apr 2022 14:30

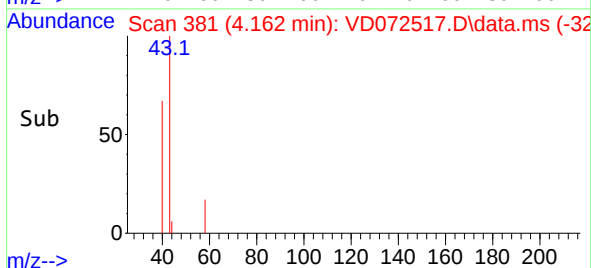
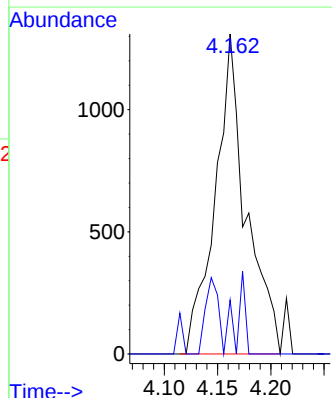
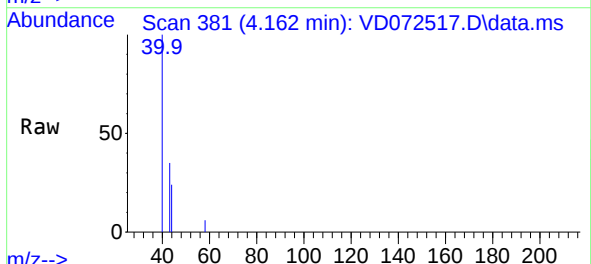
Instrument :
 MSVOA_D
 ClientSampleId :
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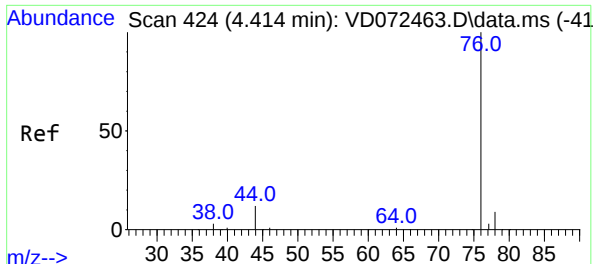
Tgt Ion: 41 Resp: 55
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.3 88.9#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 16.703 ug/l
 RT: 4.162 min Scan# 381
 Delta R.T. 0.006 min
 Lab File: VD072517.D
 Acq: 04 Apr 2022 14:30

Tgt Ion: 43 Resp: 2638
 Ion Ratio Lower Upper
 43 100
 58 16.9 22.1 33.1#

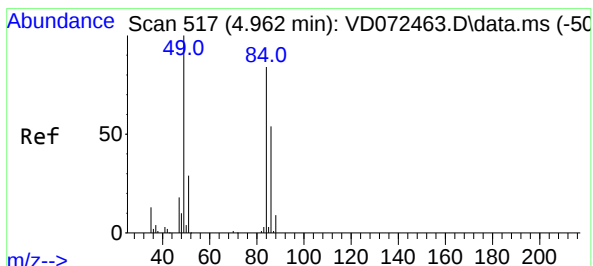
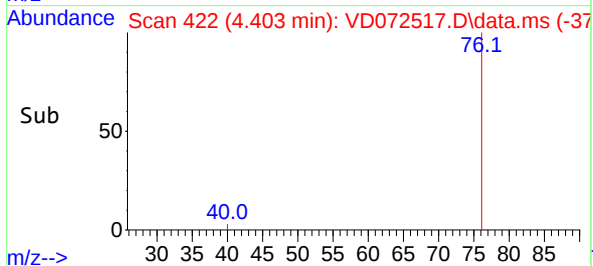
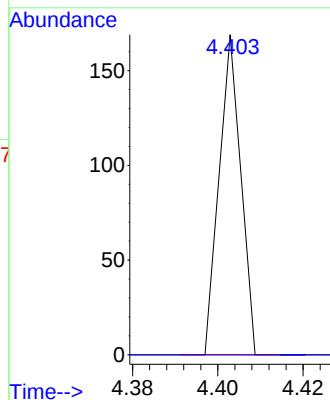
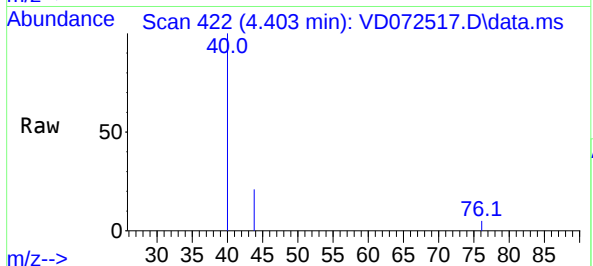




#17
Carbon Disulfide
Concen: 3.667 ug/l
RT: 4.403 min Scan# 41
Delta R.T. -0.011 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

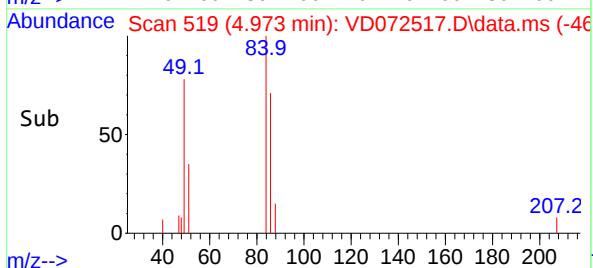
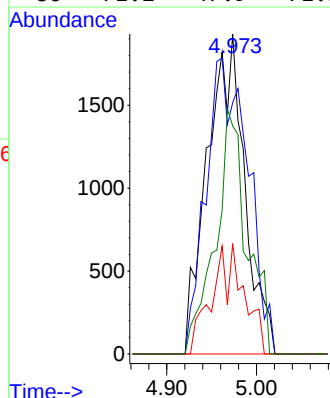
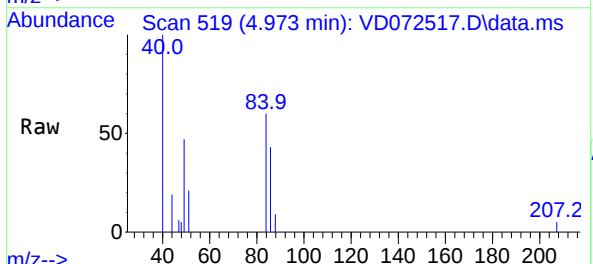
Instrument :
MSVOA_D
ClientSampleId :
124055

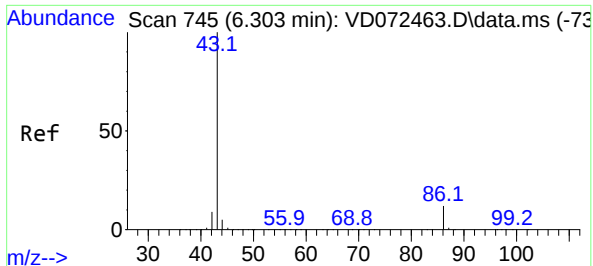
Tgt Ion: 76 Resp: 60
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 5.923 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.012 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

Tgt Ion: 84 Resp: 5569
Ion Ratio Lower Upper
84 100
49 78.5 112.8 169.2#
51 34.5 32.6 48.8
86 71.2 47.9 71.9

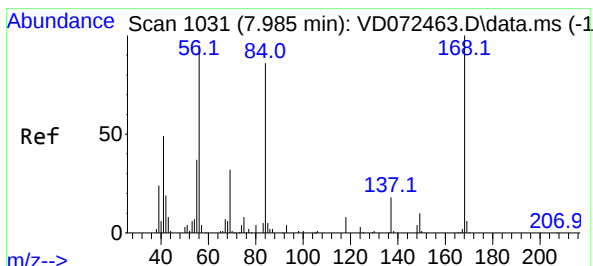
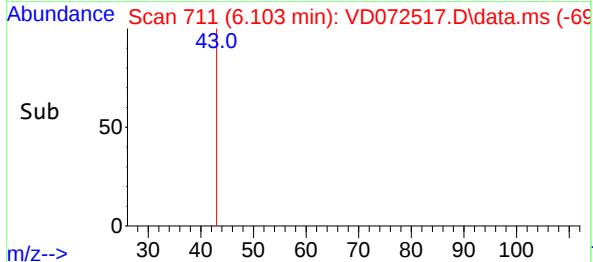
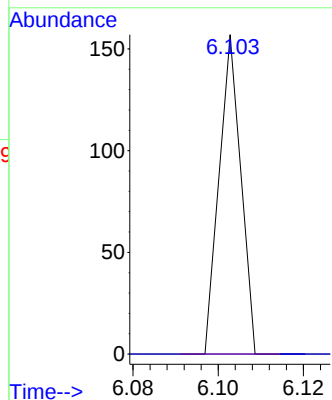
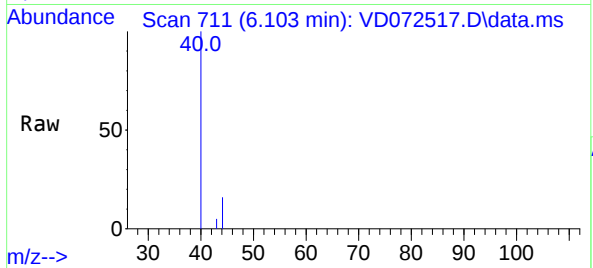




#23
 Vinyl Acetate
 Concen: 6.328 ug/l
 RT: 6.103 min Scan# 71
 Delta R.T. -0.200 min
 Lab File: VD072517.D
 Acq: 04 Apr 2022 14:30

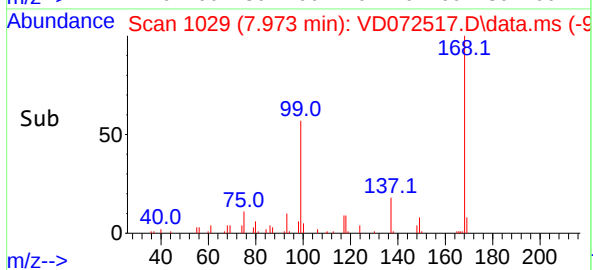
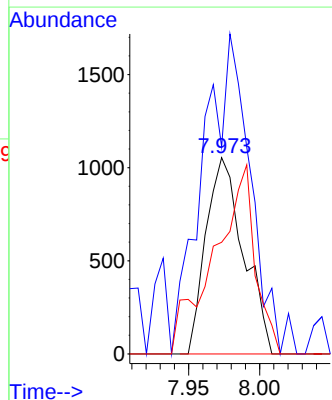
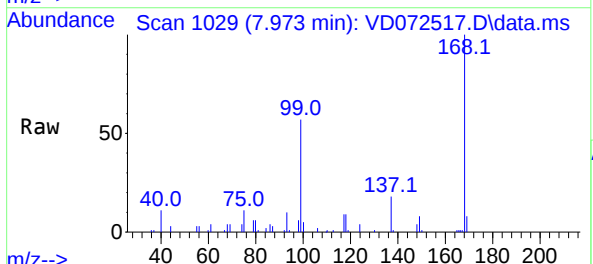
Instrument :
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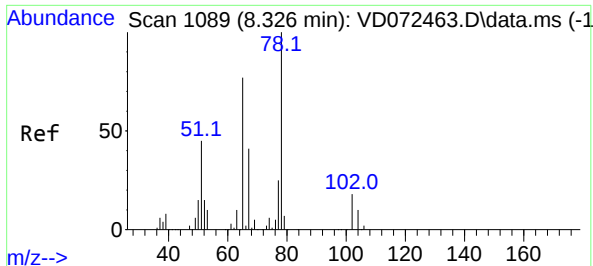
Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#31
 Cyclohexane
 Concen: 1.752 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD072517.D
 Acq: 04 Apr 2022 14:30

Tgt Ion: 56 Resp: 1940
 Ion Ratio Lower Upper
 56 100
 69 105.4 25.4 38.2#
 84 56.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 74.068 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072517.D

Acq: 04 Apr 2022 14:30

Instrument :

MSVOA_D

ClientSampleId :

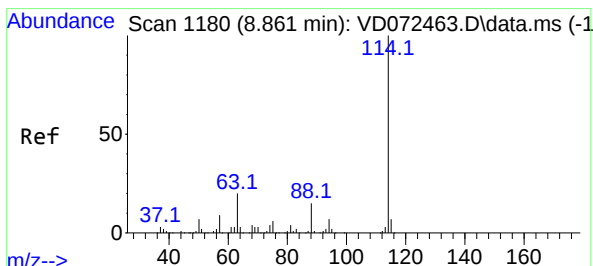
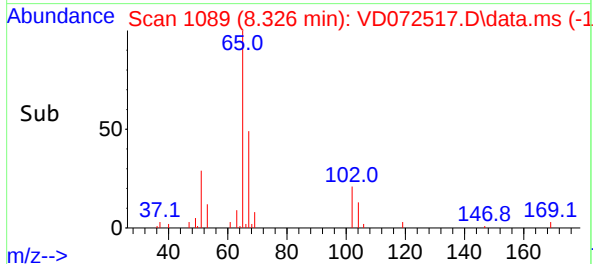
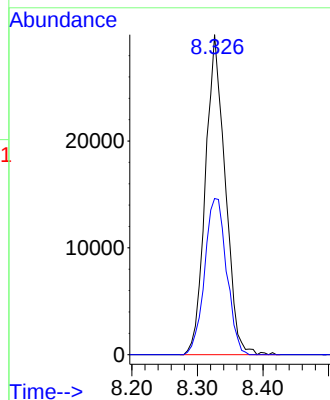
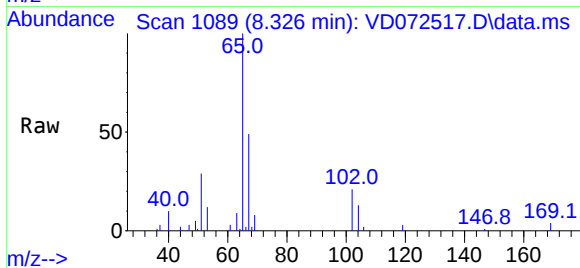
124055

Tgt Ion: 65 Resp: 62734

Ion Ratio Lower Upper

65 100

67 54.2 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: VD072517.D

Acq: 04 Apr 2022 14:30

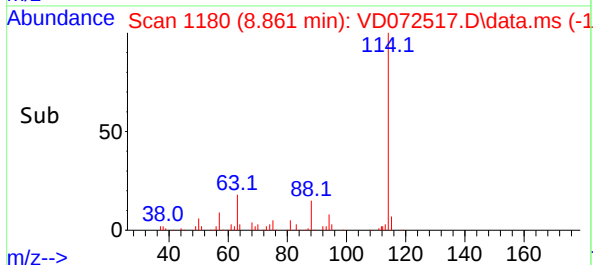
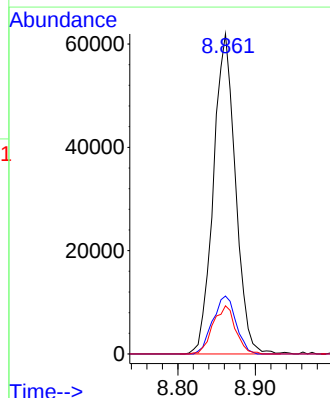
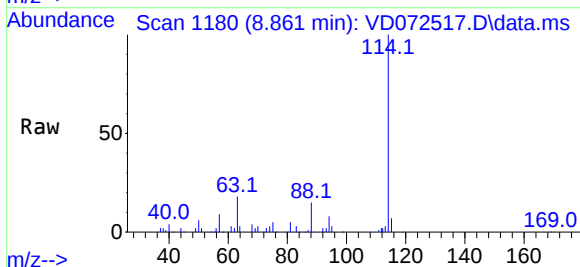
Tgt Ion: 114 Resp: 122418

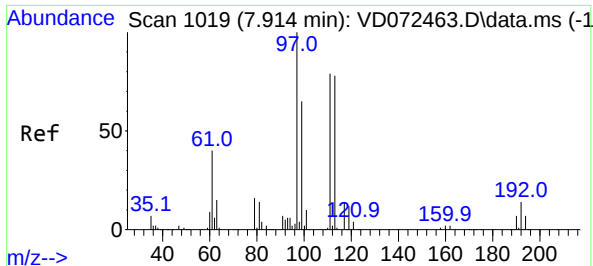
Ion Ratio Lower Upper

114 100

63 18.1 0.0 46.6

88 15.1 0.0 33.2

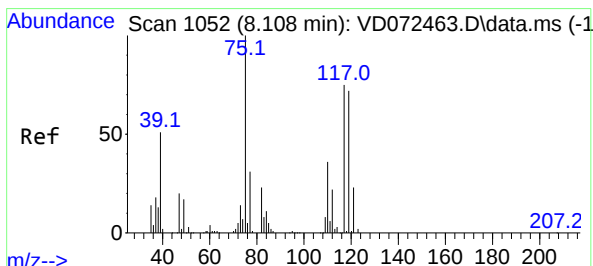
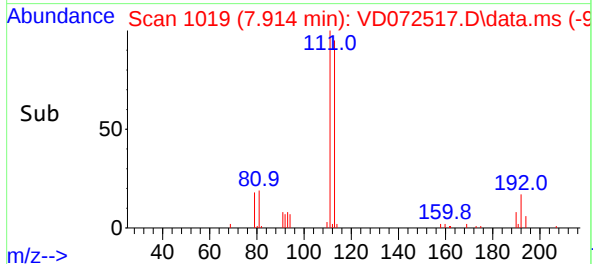
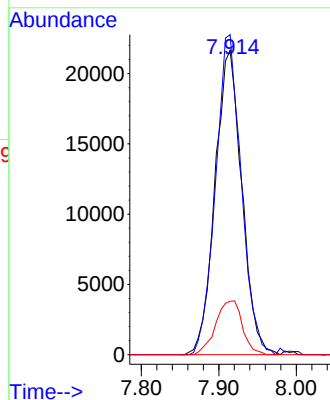
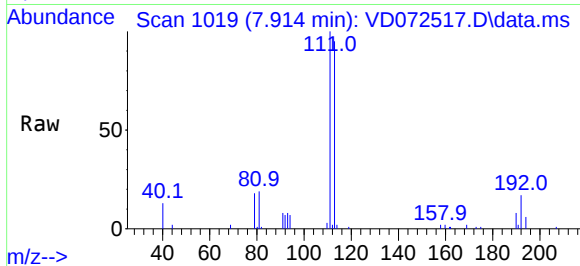




#35
Dibromofluoromethane
Concen: 54.645 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

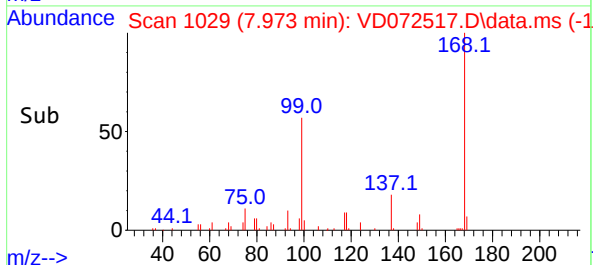
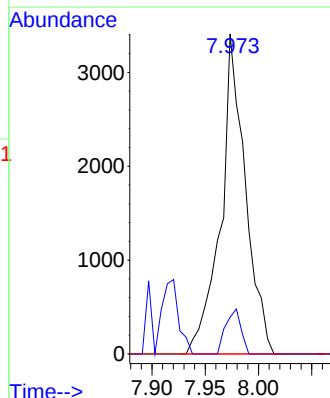
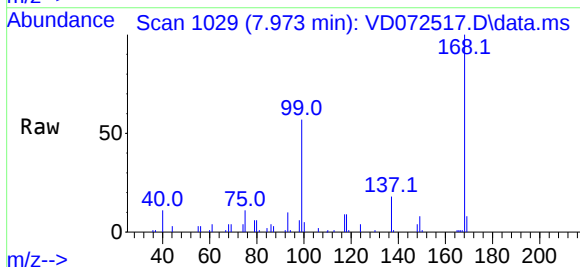
Instrument :
MSVOA_D
ClientSampleId :
124055

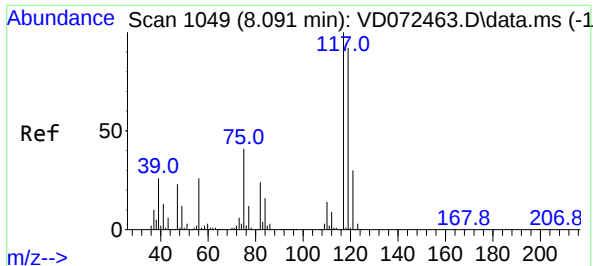
Tgt Ion:	113	Resp:	51987
Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.8	125.6
192	17.6	14.6	21.8



#36
1,1-Dichloropropene
Concen: 5.533 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

Tgt Ion:	75	Resp:	5484
Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.4	49.1#
77	0.0	24.2	36.2#

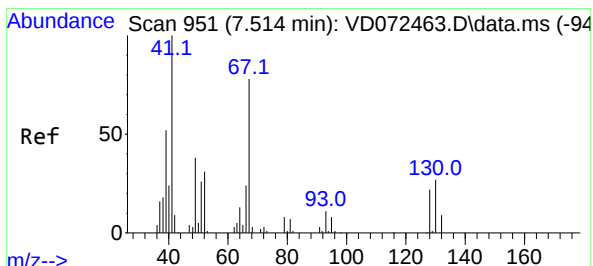
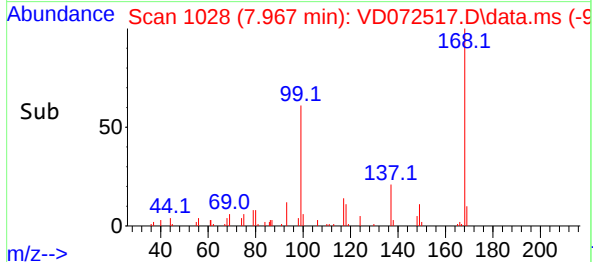
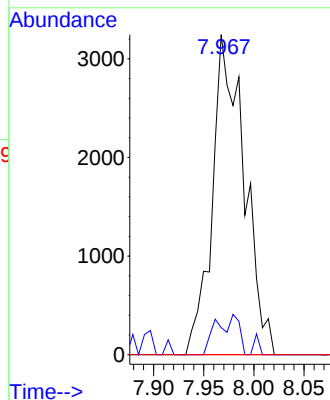
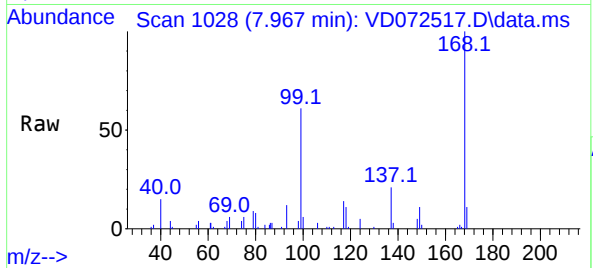




#38
Carbon Tetrachloride
Concen: 5.497 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

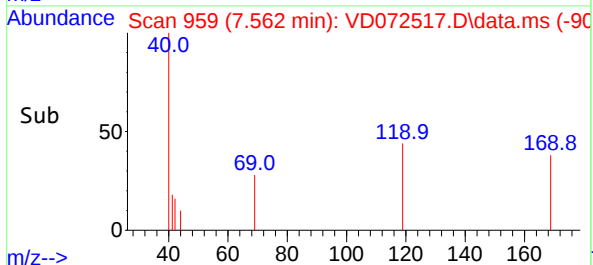
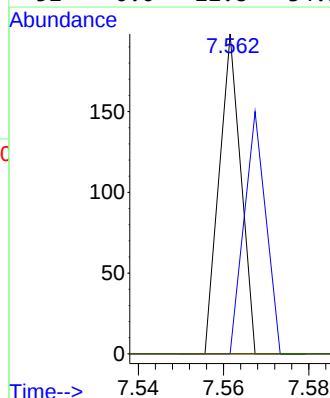
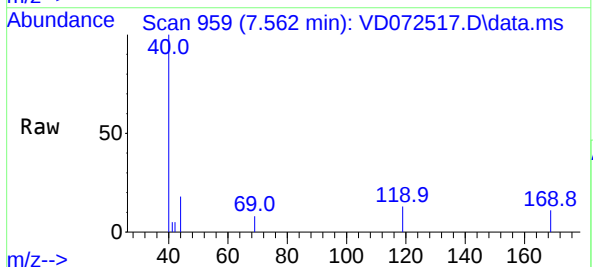
Instrument :
MSVOA_D
ClientSampleId :
124055

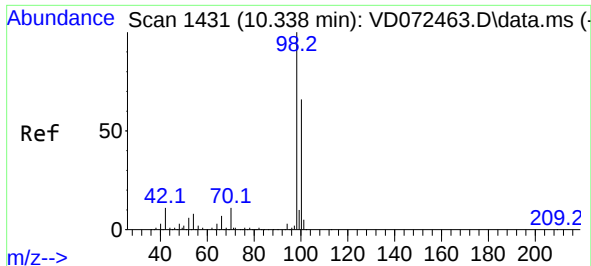
Tgt Ion:117 Resp: 7204
Ion Ratio Lower Upper
117 100
119 8.4 75.8 113.6#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 1.888 ug/l
RT: 7.562 min Scan# 959
Delta R.T. 0.048 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

Tgt Ion: 41 Resp: 70
Ion Ratio Lower Upper
41 100
39 75.7 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#

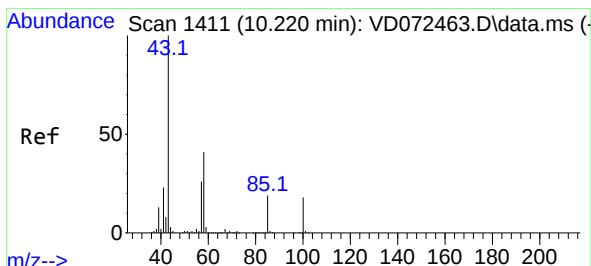
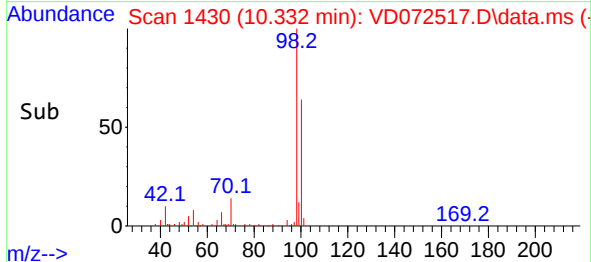
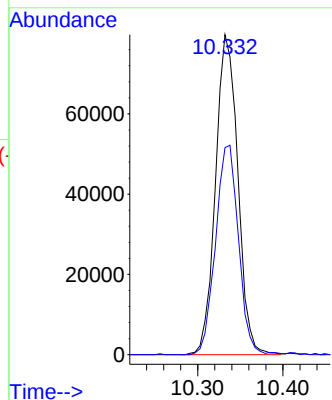
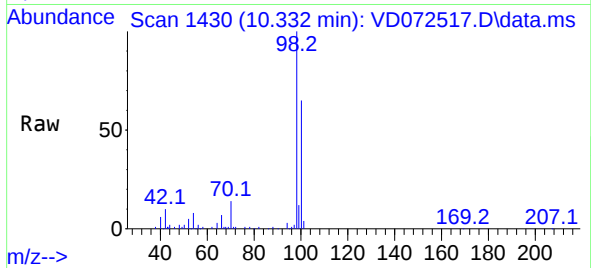




#50
Toluene-d8
Concen: 43.923 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

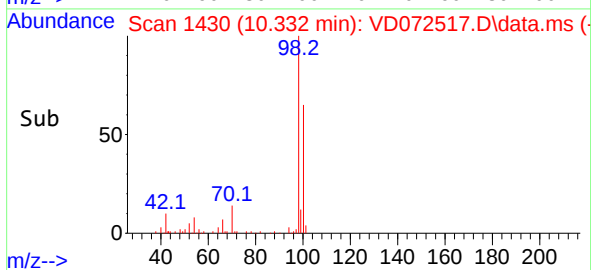
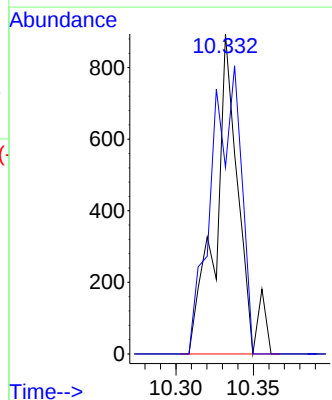
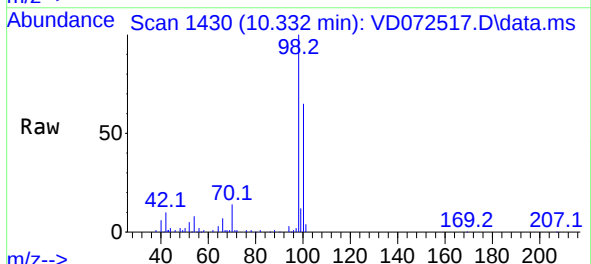
Instrument :
MSVOA_D
ClientSampleId :
124055

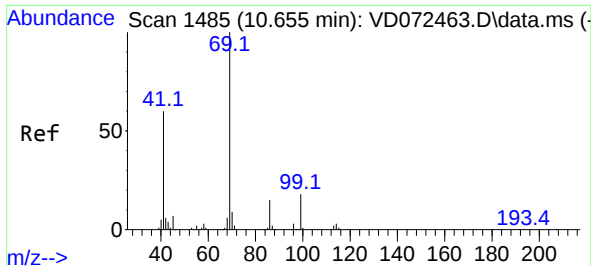
Tgt Ion: 98 Resp: 145253
Ion Ratio Lower Upper
98 100
100 67.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.804 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

Tgt Ion: 43 Resp: 936
Ion Ratio Lower Upper
43 100
58 113.2 28.6 43.0#

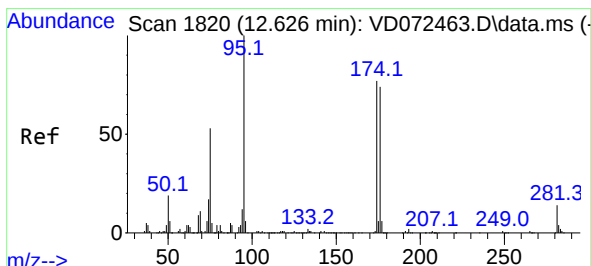
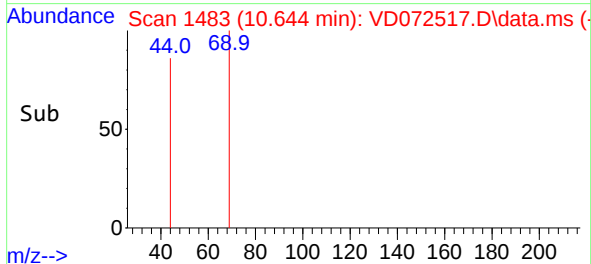
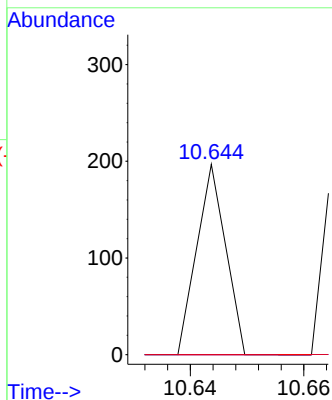
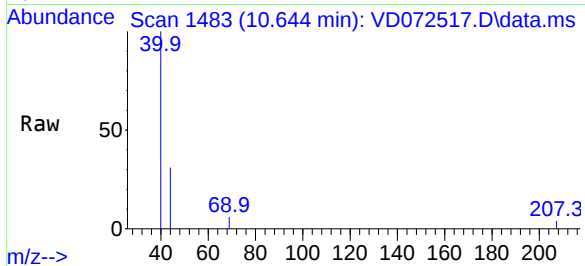




#56
Ethyl methacrylate
Concen: 1.266 ug/l
RT: 10.644 min Scan# 1485
Delta R.T. -0.011 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

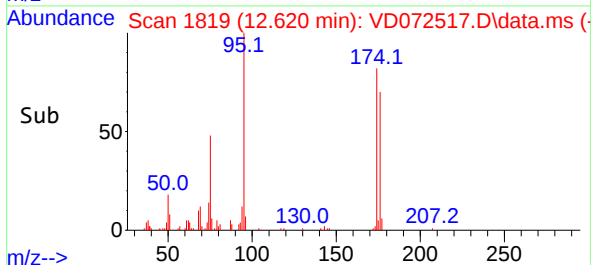
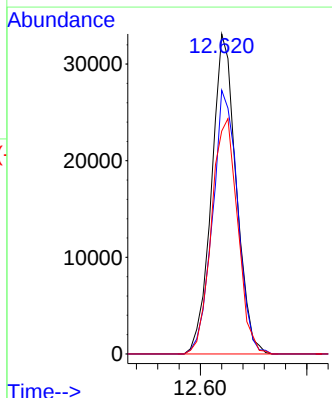
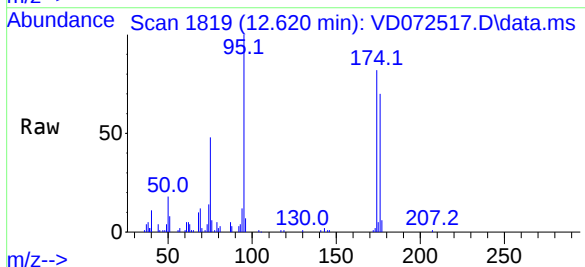
Instrument :
MSVOA_D
ClientSampleId :
124055

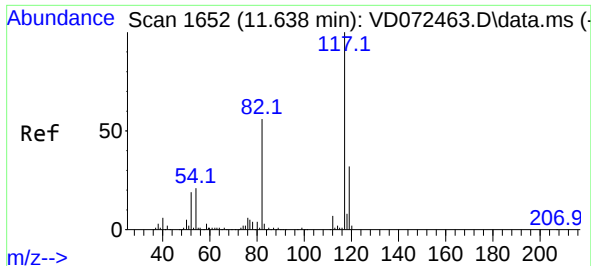
Tgt Ion:	69	Resp:	70
Ion	Ratio	Lower	Upper
69	100		
41	0.0	63.0	94.6#
39	0.0	33.8	50.8#



#62
4-Bromofluorobenzene
Concen: 41.017 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

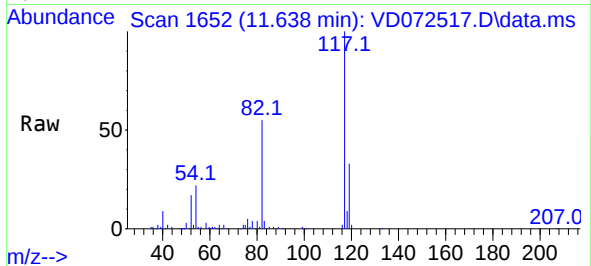
Tgt Ion:	95	Resp:	52975
Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	152.8
176	78.3	0.0	145.4



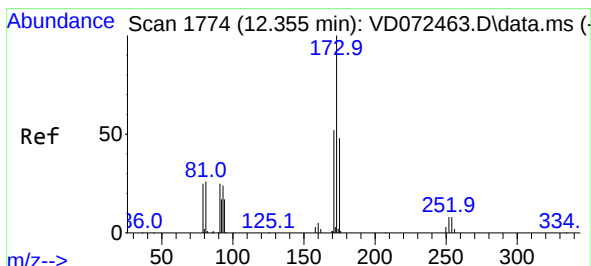
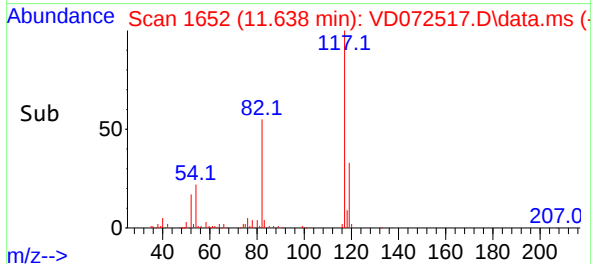
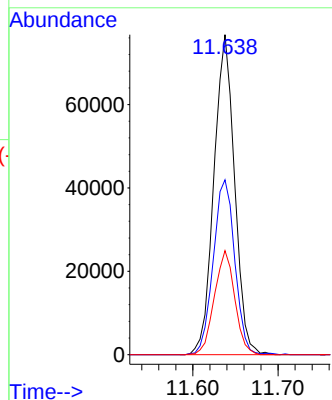


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

Instrument :
MSVOA_D
ClientSampleId :
124055

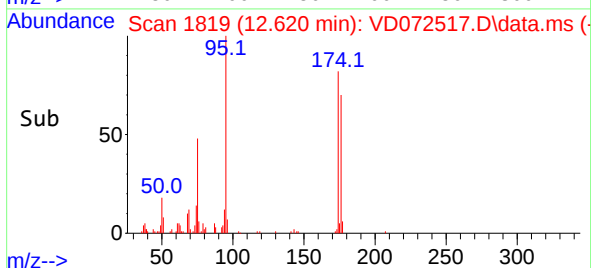
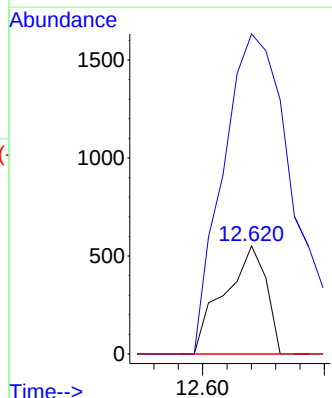
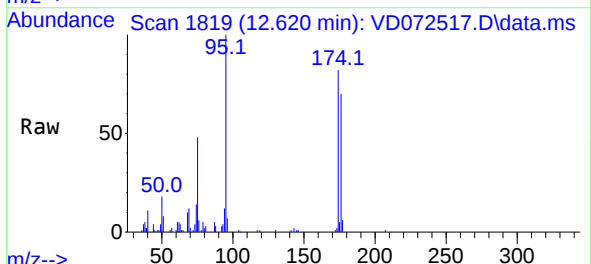


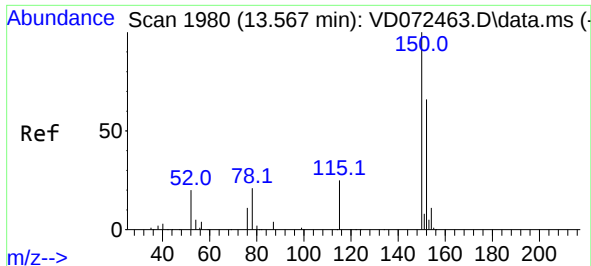
Tgt Ion:117 Resp: 129383
Ion Ratio Lower Upper
117 100
82 54.7 45.3 67.9
119 32.5 26.6 40.0



#71
Bromoform
Concen: 1.075 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

Tgt Ion:173 Resp: 659
Ion Ratio Lower Upper
173 100
175 397.1 23.9 71.8#
254 0.0 0.0 0.0

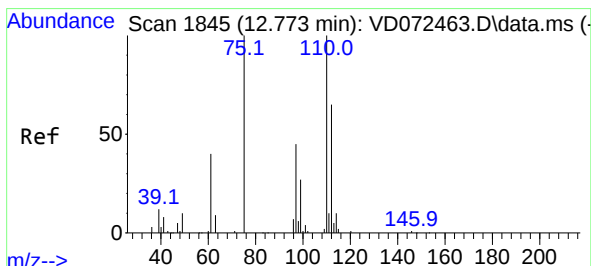
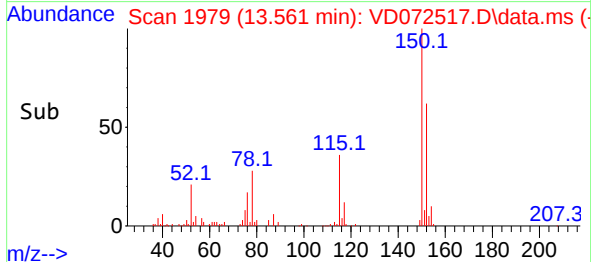
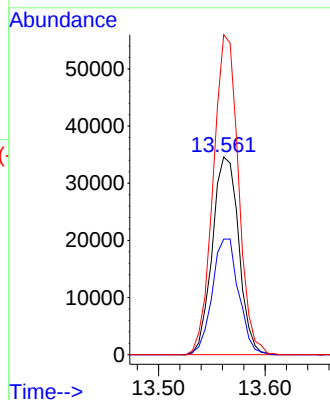
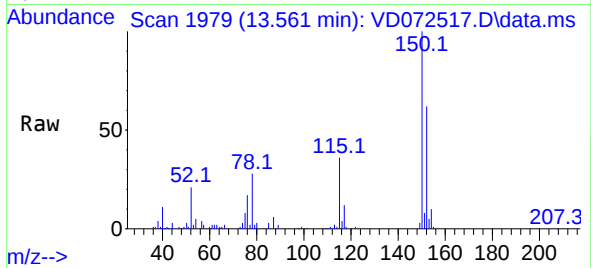




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

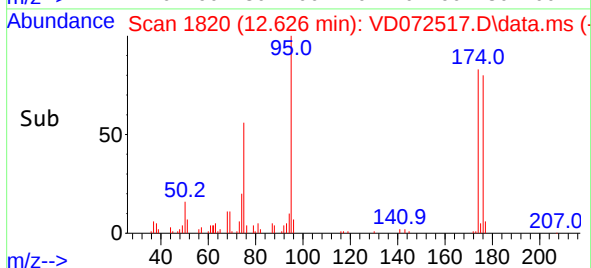
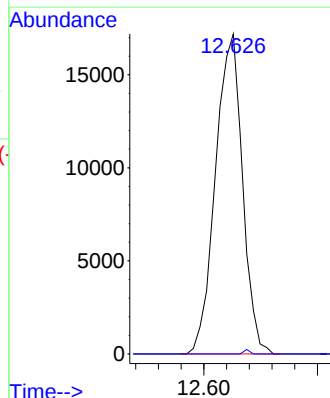
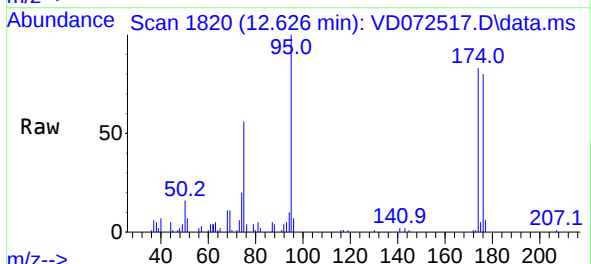
Instrument :
MSVOA_D
ClientSampleId :
124055

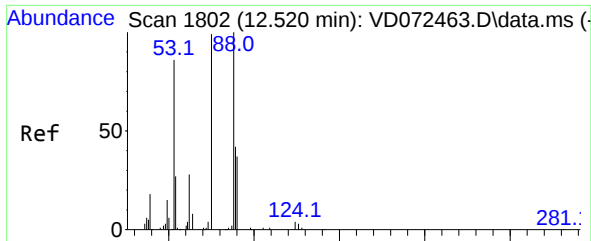
Tgt Ion:152 Resp: 59464
Ion Ratio Lower Upper
152 100
115 58.8 31.3 93.8
150 154.9 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 43.708 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072517.D
Acq: 04 Apr 2022 14:30

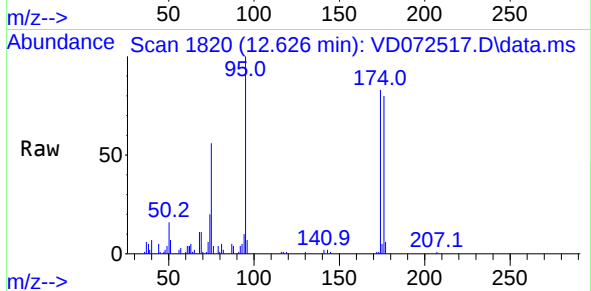
Tgt Ion: 75 Resp: 28347
Ion Ratio Lower Upper
75 100
77 0.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.252 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072517.D
 Acq: 04 Apr 2022 14:30

Instrument :
 MSVOA_D
 ClientSampleId :
 124055



Tgt Ion: 75 Resp: 28347
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

