

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033022\
 Data File : VD072479.D
 Acq On : 30 Mar 2022 15:16
 Operator : VA/SY
 Sample : N2150-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 279

Quant Time: Mar 31 03:09:14 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)

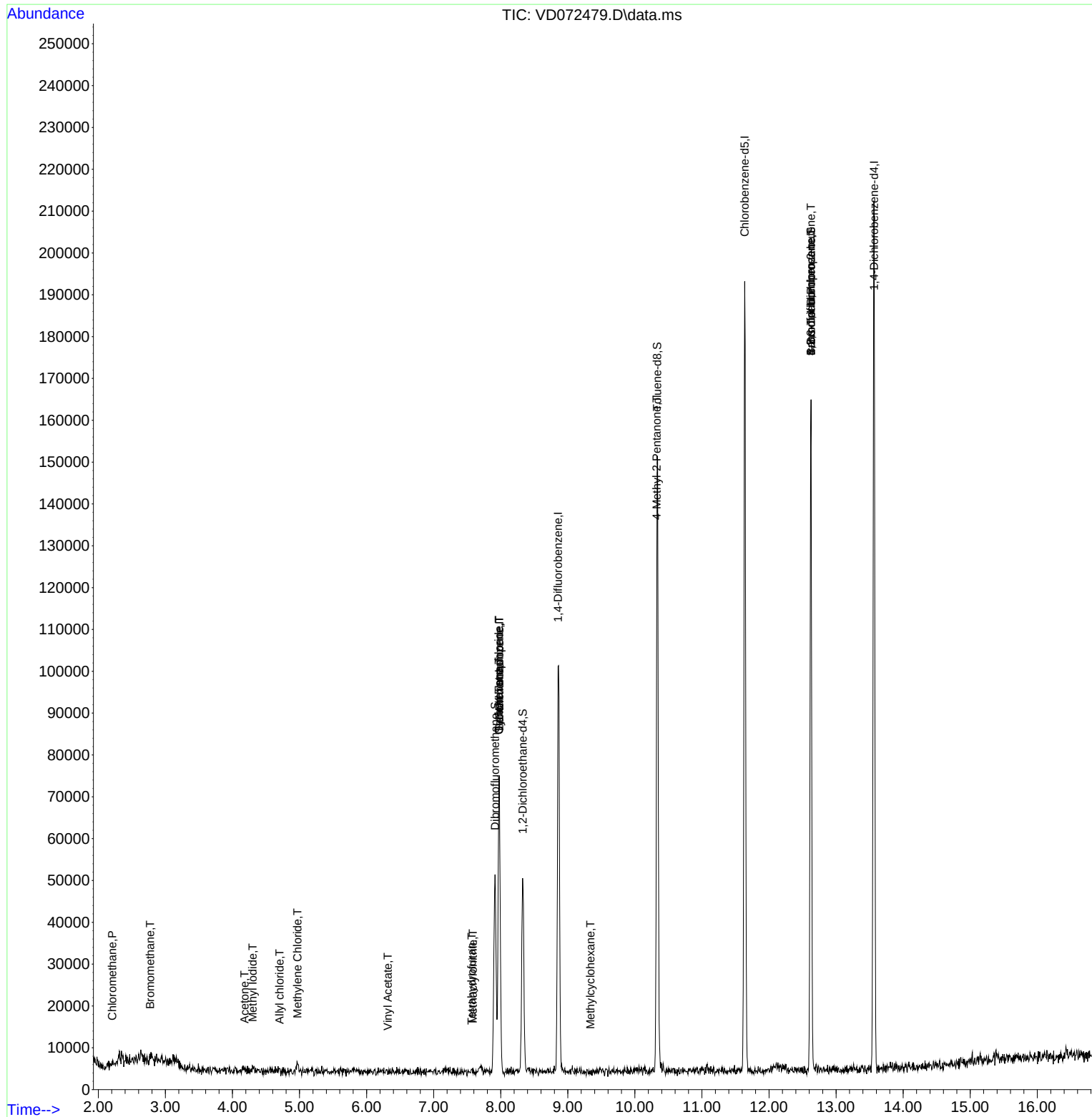
Internal Standards						
1) Pentafluorobenzene	7.979	168	50741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	84847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	110085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	58426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	38284	62.371	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.740%	
35) Dibromofluoromethane	7.914	113	34153	51.796	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.600%	
50) Toluene-d8	10.332	98	104612	45.641	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.280%	
62) 4-Bromofluorobenzene	12.626	95	52854	59.045	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 118.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	525	1.409	ug/l #	80
5) Bromomethane	2.773	94	1161	4.045	ug/l	81
10) Methyl Iodide	4.303	142	1284	5.918	ug/l #	70
14) Allyl chloride	4.703	41	131	1.287	ug/l #	65
16) Acetone	4.179	43	1006	8.789	ug/l #	47
20) Methylene Chloride	4.967	84	1397	2.050	ug/l #	57
23) Vinyl Acetate	6.314	43	62	6.350	ug/l #	75
29) Tetrahydrofuran	7.567	42	227	2.375	ug/l #	38
31) Cyclohexane	7.973	56	1256	1.565	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	4179	5.972	ug/l #	47
38) Carbon Tetrachloride	7.973	117	5724	6.301	ug/l #	13
39) Methylcyclohexane	9.338	83	53	2.928	ug/l #	17
41) Methacrylonitrile	7.585	41	111	2.184	ug/l #	27
51) 4-Methyl-2-Pentanone	10.326	43	514	1.429	ug/l #	1
71) Bromoform	12.626	173	754	1.445	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	26760	41.994	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	26760	103.046	ug/l #	7

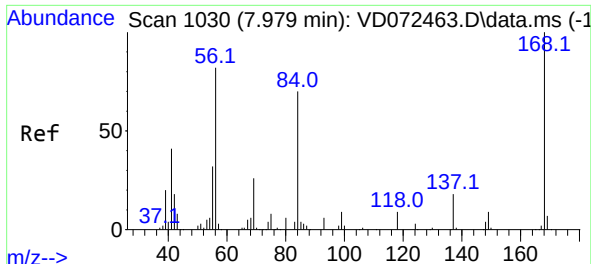
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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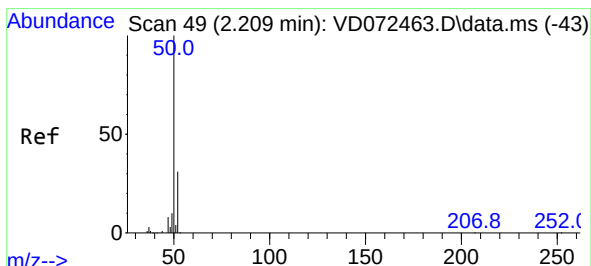
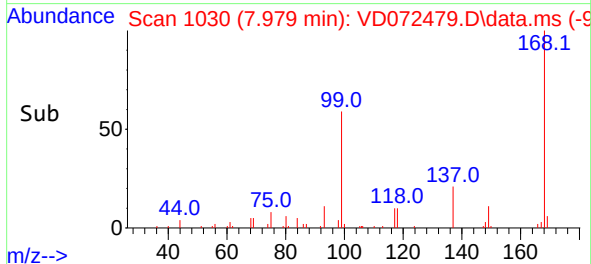
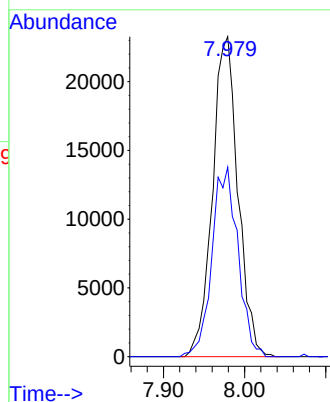
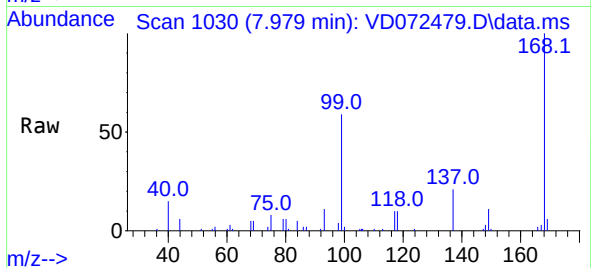




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

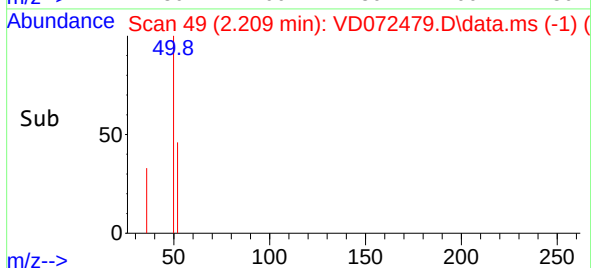
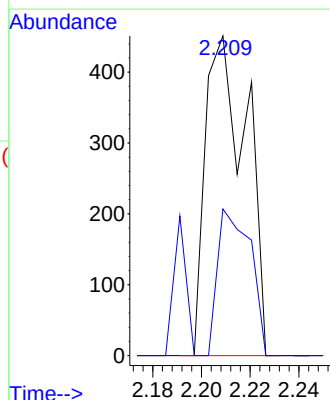
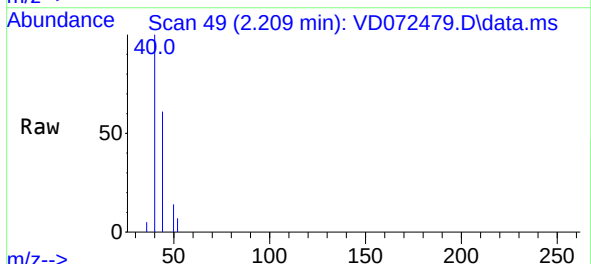
Instrument :
MSVOA_D
ClientSampleId :
279

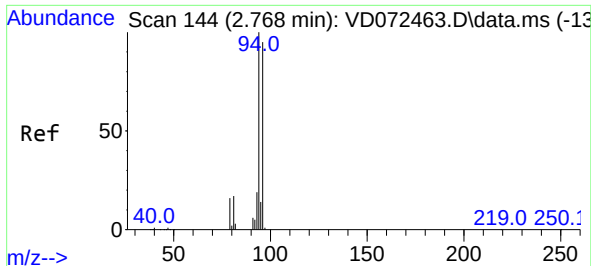
Tgt Ion:168 Resp: 50741
Ion Ratio Lower Upper
168 100
99 59.2 49.8 74.6



#3
Chloromethane
Concen: 1.409 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

Tgt Ion: 50 Resp: 525
Ion Ratio Lower Upper
50 100
52 45.9 27.4 41.0#

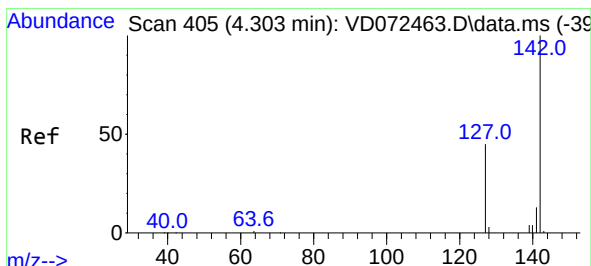
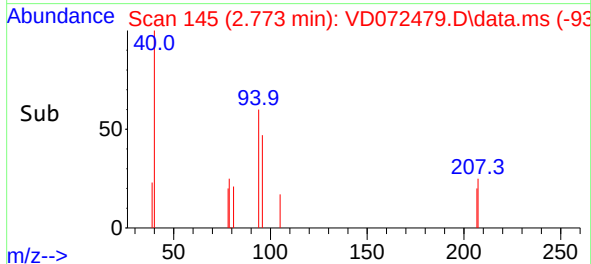
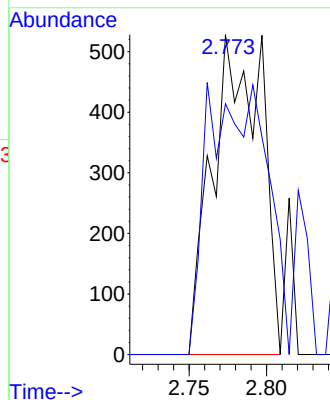
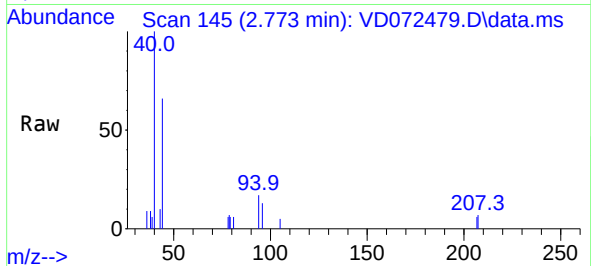




#5
Bromomethane
Concen: 4.045 ug/l
RT: 2.773 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

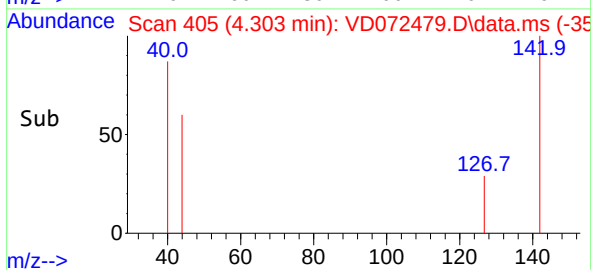
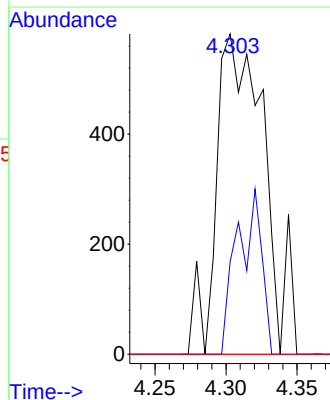
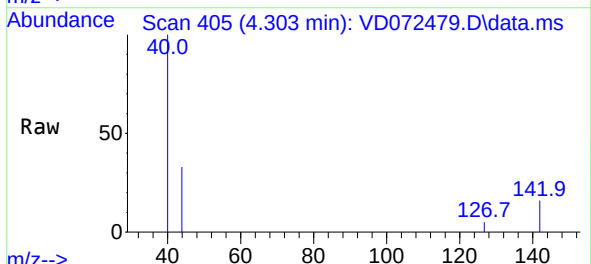
Instrument :
MSVOA_D
ClientSampleId :
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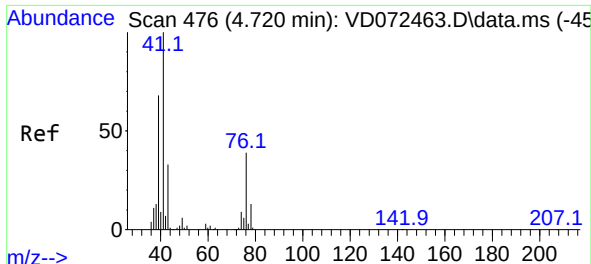
Tgt Ion: 94 Resp: 1161
Ion Ratio Lower Upper
94 100
96 78.4 77.6 116.4



#10
Methyl Iodide
Concen: 5.918 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

Tgt Ion: 142 Resp: 1284
Ion Ratio Lower Upper
142 100
127 28.0 37.3 55.9#
141 0.0 11.7 17.5#

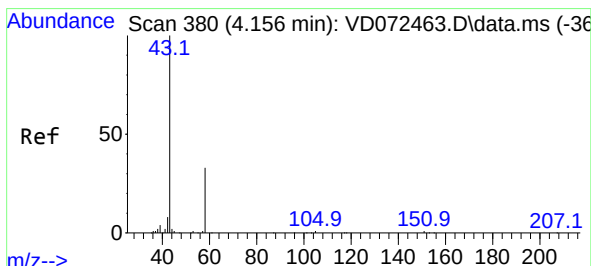
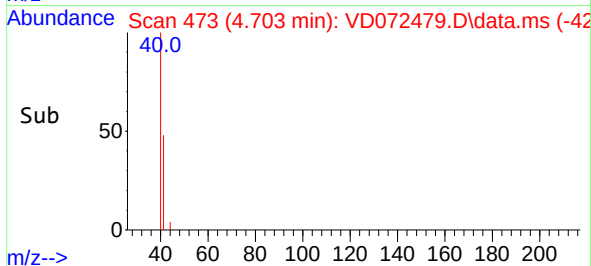
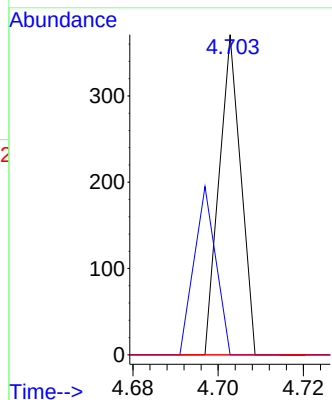
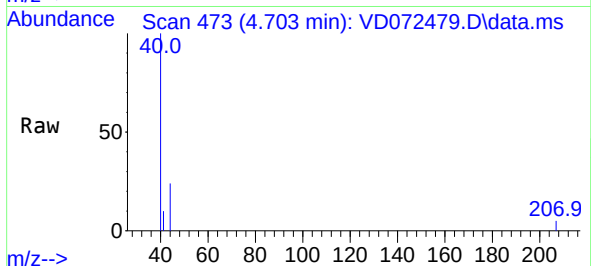




#14
Allyl chloride
Concen: 1.287 ug/l
RT: 4.703 min Scan# 41
Delta R.T. -0.017 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

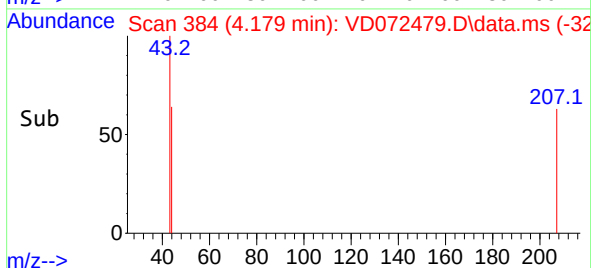
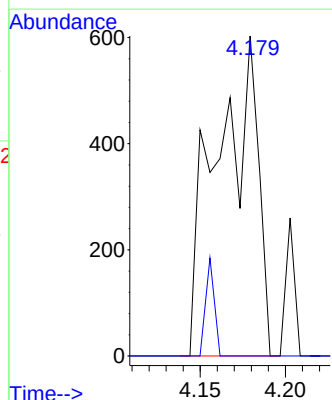
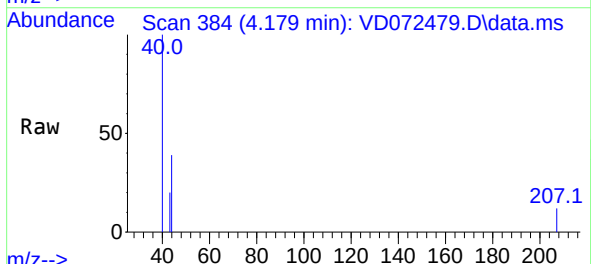
Instrument :
MSVOA_D
ClientSampleId :
279

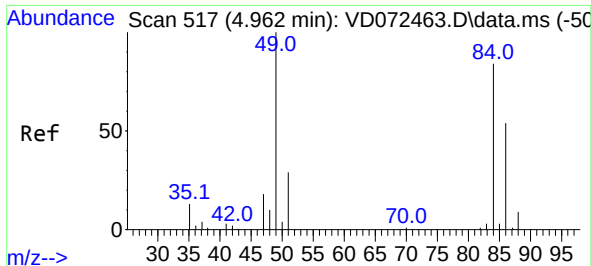
Tgt Ion: 41 Resp: 131
Ion Ratio Lower Upper
41 100
39 52.7 59.3 88.9#
76 0.0 25.7 38.5#



#16
Acetone
Concen: 8.789 ug/l
RT: 4.179 min Scan# 384
Delta R.T. 0.024 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

Tgt Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

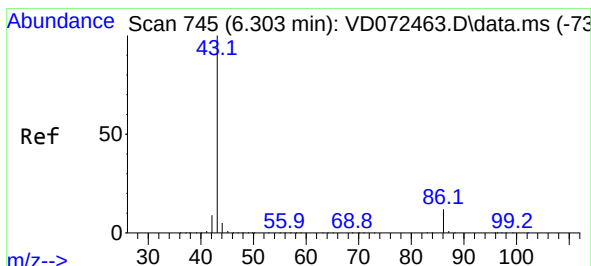
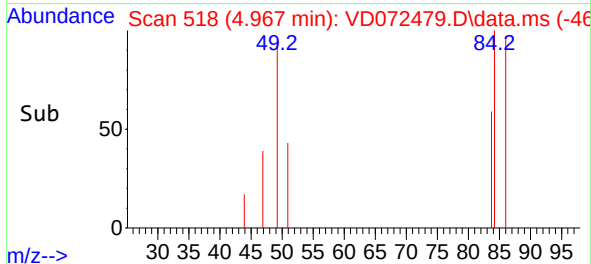
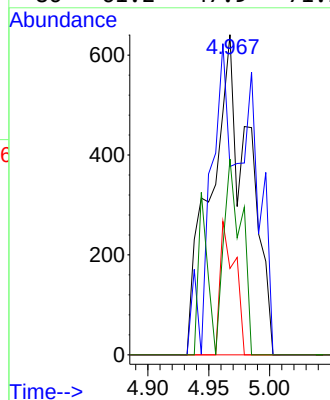
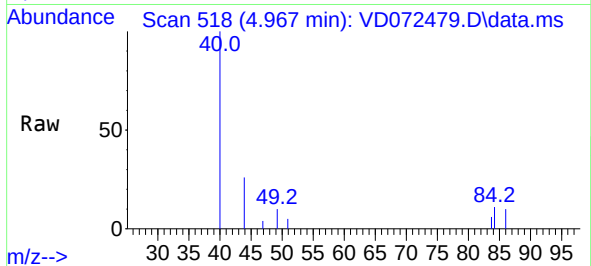




#20
Methylene Chloride
Concen: 2.050 ug/l
RT: 4.967 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

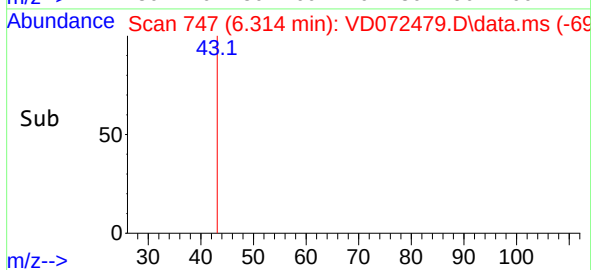
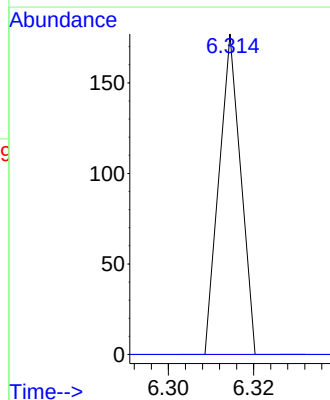
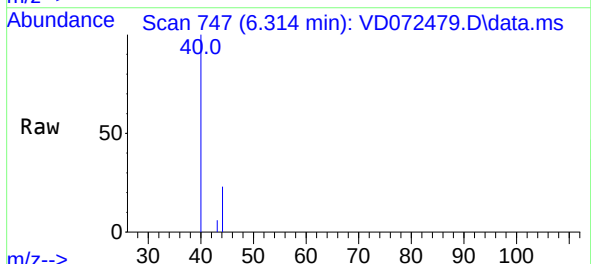
Instrument :
MSVOA_D
ClientSampleId :
279

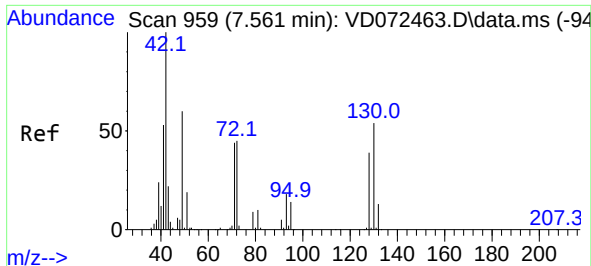
Tgt Ion: 84	Resp: 1397
Ion Ratio	Lower Upper
84 100	
49 58.8	112.8 169.2#
51 27.0	32.6 48.8#
86 61.2	47.9 71.9



#23
Vinyl Acetate
Concen: 6.350 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.011 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

Tgt Ion: 43	Resp: 62
Ion Ratio	Lower Upper
43 100	
86 0.0	7.1 10.7#

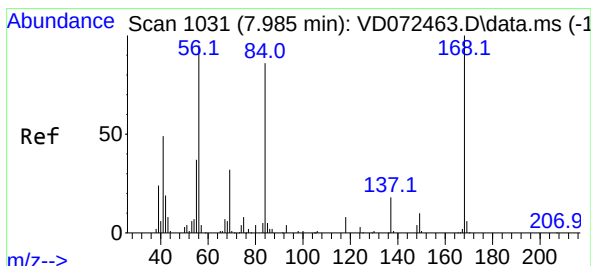
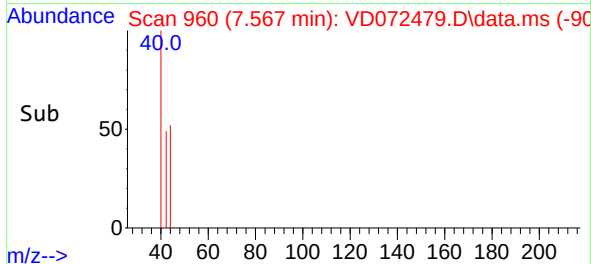
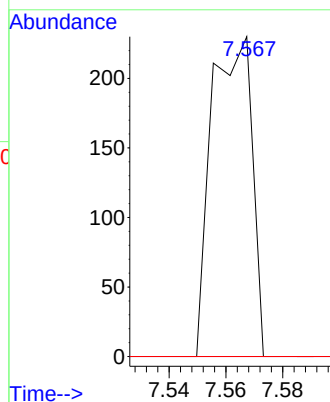
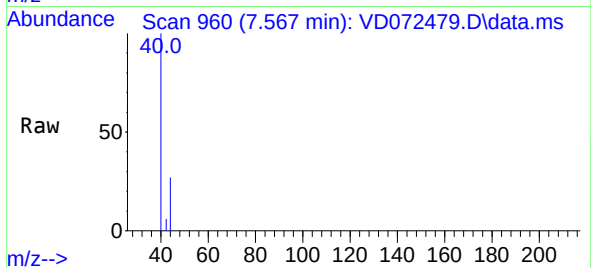




#29
Tetrahydrofuran
Concen: 2.375 ug/l
RT: 7.567 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

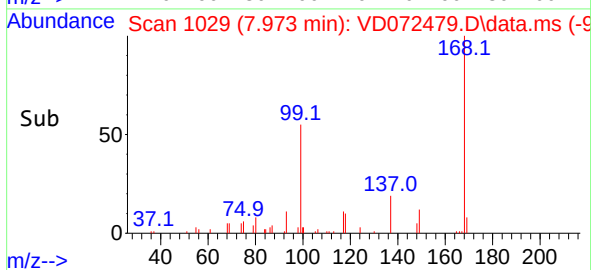
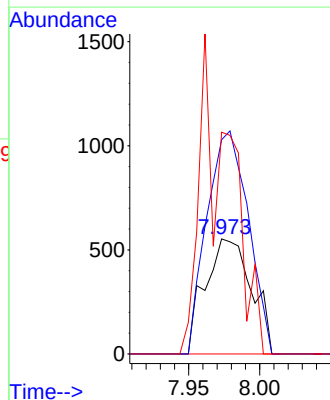
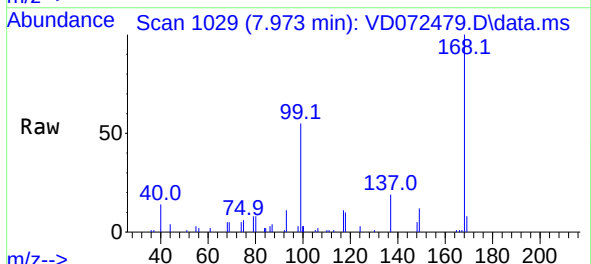
Instrument :
MSVOA_D
ClientSampleId :
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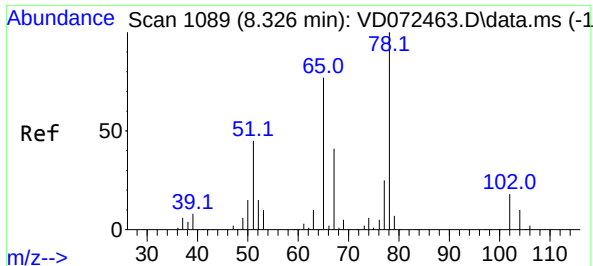
Tgt Ion: 42 Resp: 227
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#



#31
Cyclohexane
Concen: 1.565 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

Tgt Ion: 56 Resp: 1256
Ion Ratio Lower Upper
56 100
69 186.1 25.4 38.2#
84 192.6 63.0 94.4#

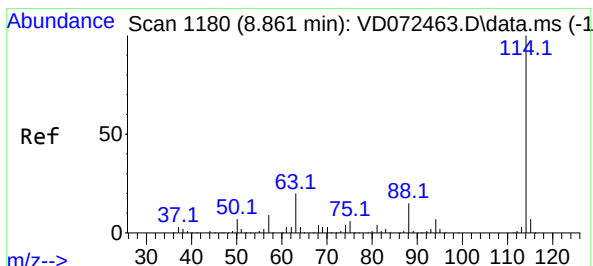
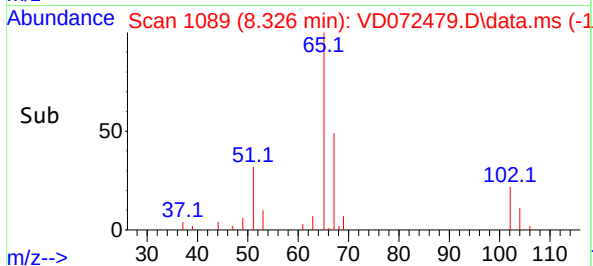
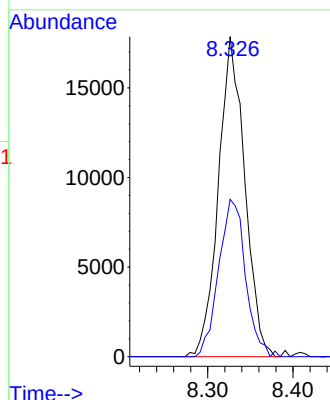
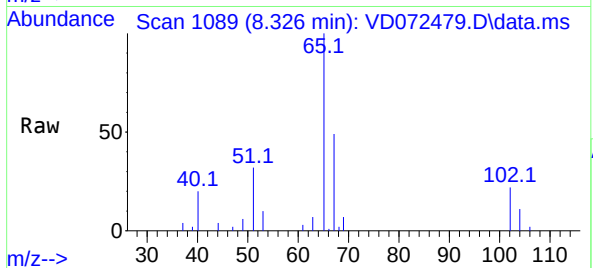




#33
1,2-Dichloroethane-d4
Concen: 62.371 ug/l
RT: 8.326 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

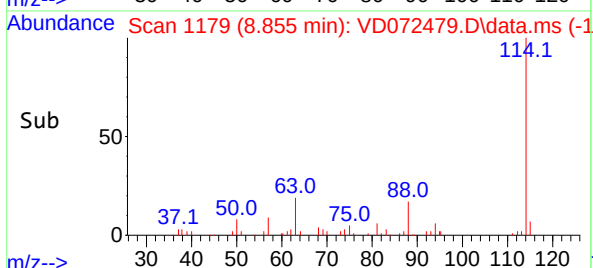
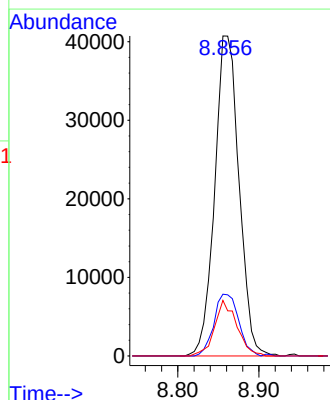
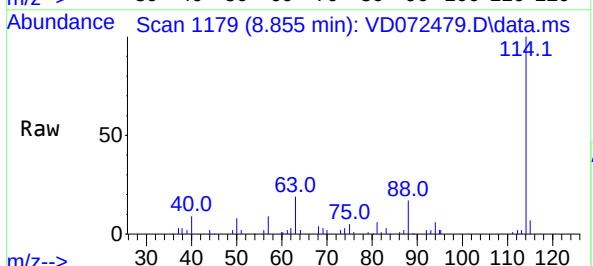
Instrument :
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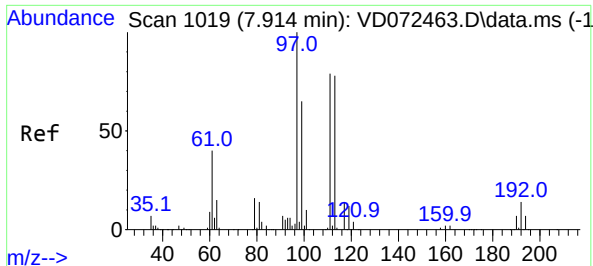
Tgt Ion: 65 Resp: 38284
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

Tgt Ion: 114 Resp: 84847
Ion Ratio Lower Upper
114 100
63 19.3 0.0 46.6
88 17.4 0.0 33.2

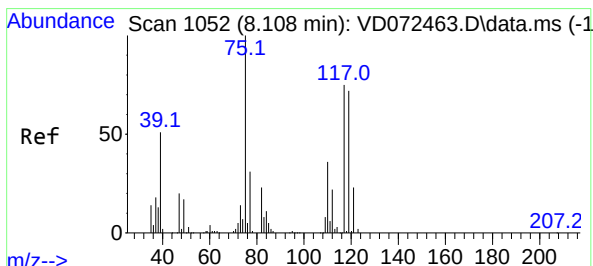
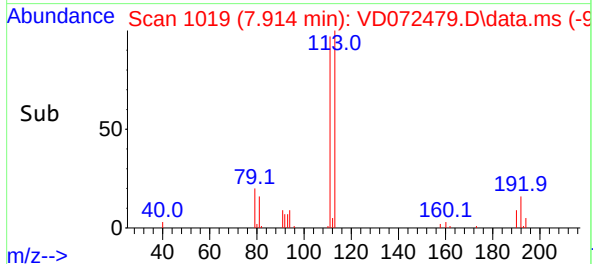
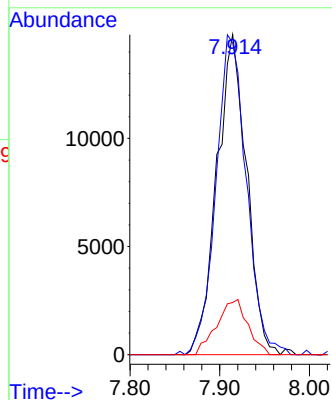
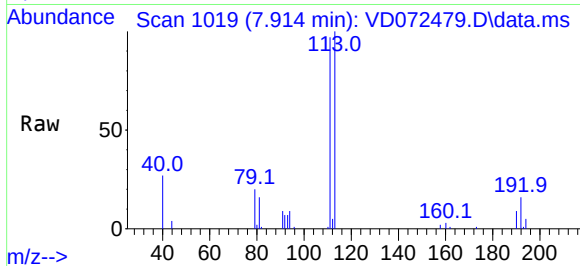




#35
Dibromofluoromethane
Concen: 51.796 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

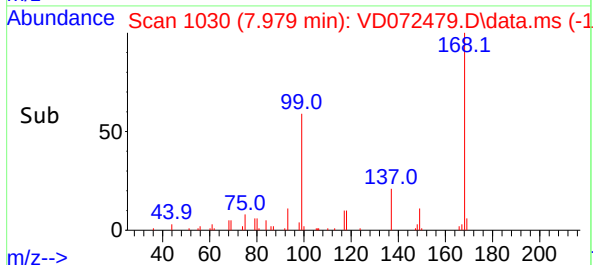
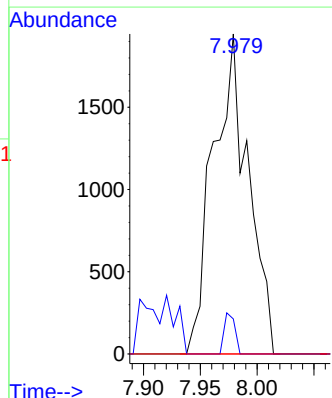
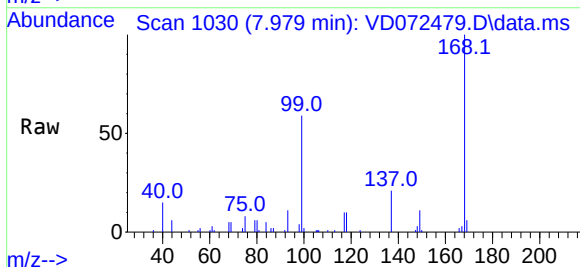
Instrument :
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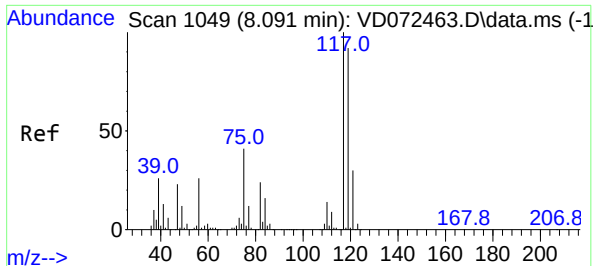
Tgt Ion:	113	Resp:	34153
Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.8	125.6
192	17.9	14.6	21.8



#36
1,1-Dichloropropene
Concen: 5.972 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

Tgt Ion:	75	Resp:	4179
Ion	Ratio	Lower	Upper
75	100		
110	3.9	16.4	49.1#
77	0.0	24.2	36.2#

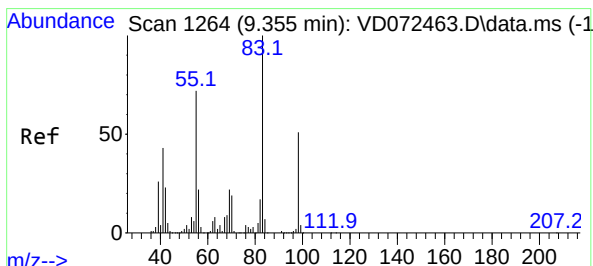
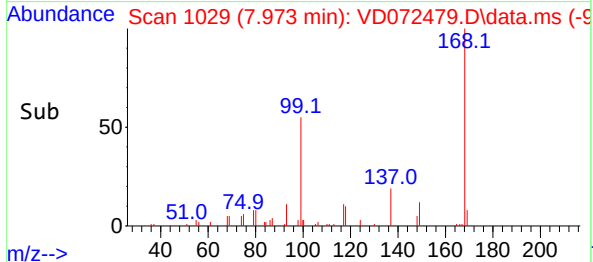
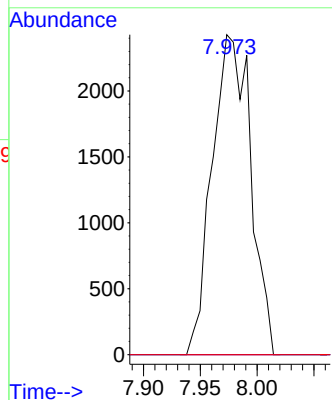
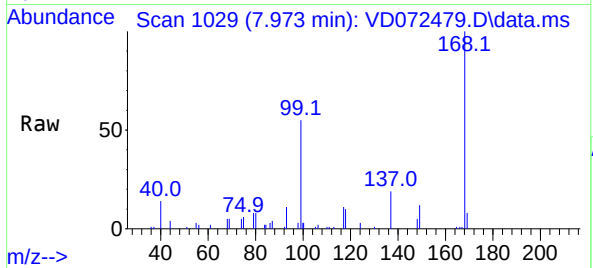




#38
Carbon Tetrachloride
Concen: 6.301 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

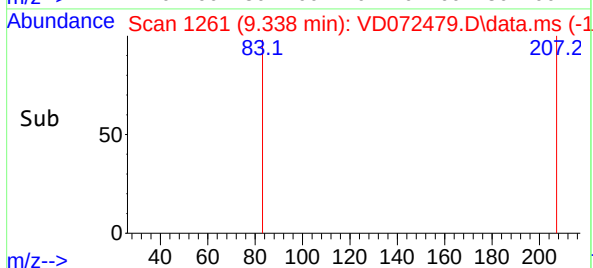
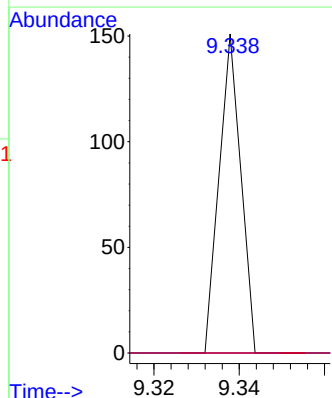
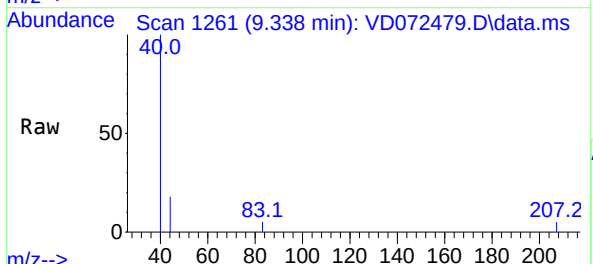
Instrument :
MSVOA_D
ClientSampleId :
279

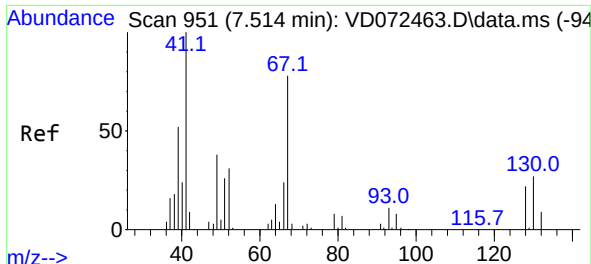
Tgt Ion:117 Resp: 5724
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.928 ug/l
RT: 9.338 min Scan# 1261
Delta R.T. -0.017 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

Tgt Ion: 83 Resp: 53
Ion Ratio Lower Upper
83 100
55 0.0 63.2 94.8#
98 0.0 38.2 57.4#

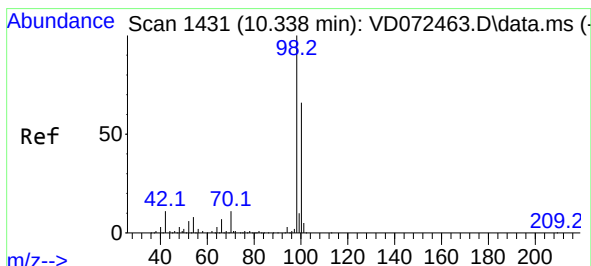
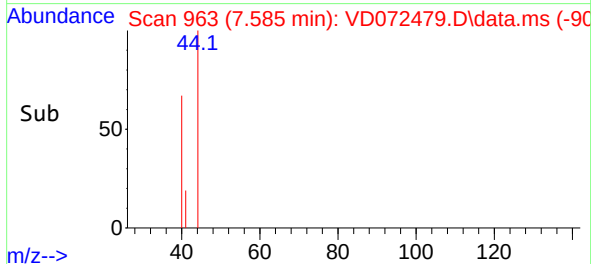
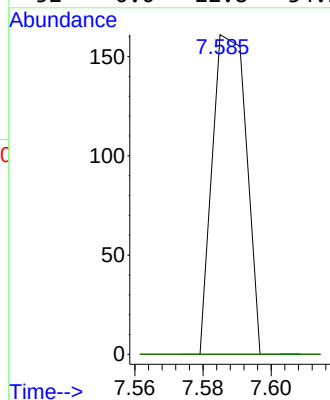
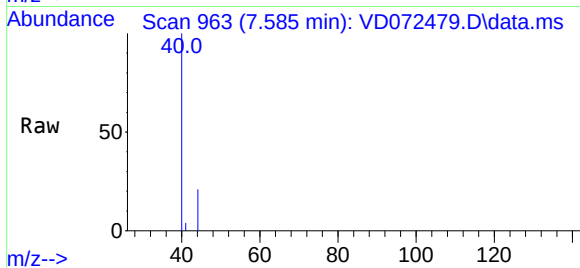




#41
Methacrylonitrile
Concen: 2.184 ug/l
RT: 7.585 min Scan# 911
Delta R.T. 0.071 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

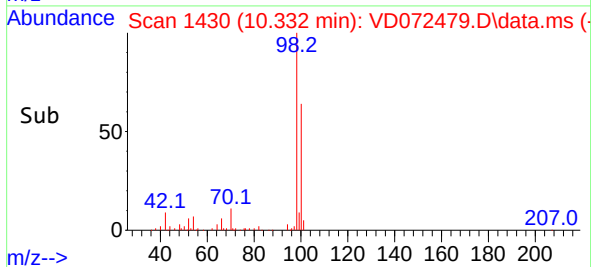
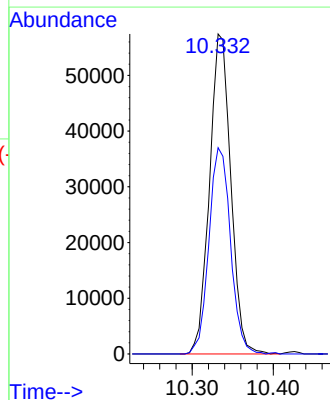
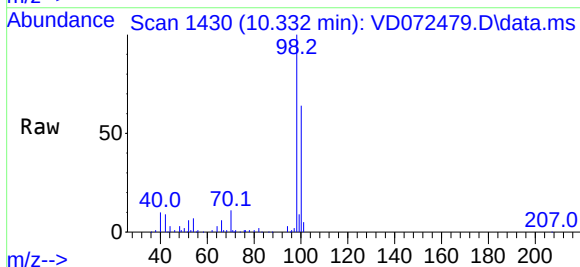
Instrument :
MSVOA_D
ClientSampleId :
279

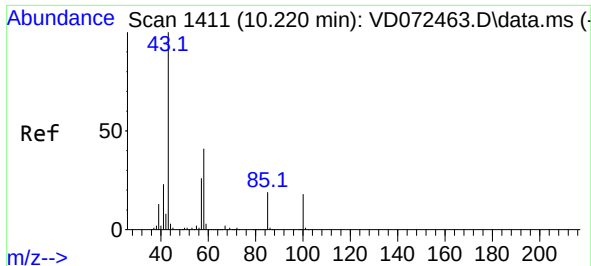
Tgt Ion: 41	Resp:	111
Ion	Ratio	Lower Upper
41	100	
39	0.0	44.6 67.0#
67	0.0	48.2 72.4#
52	0.0	22.8 34.2#



#50
Toluene-d8
Concen: 45.641 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

Tgt Ion: 98	Resp:	104612
Ion	Ratio	Lower Upper
98	100	
100	65.3	52.4 78.6

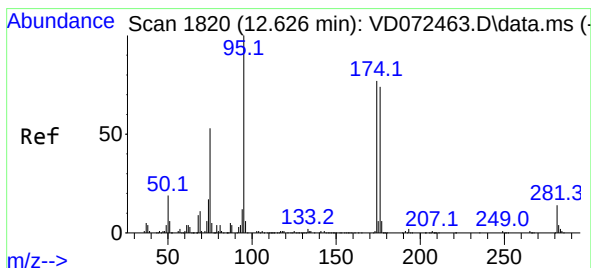
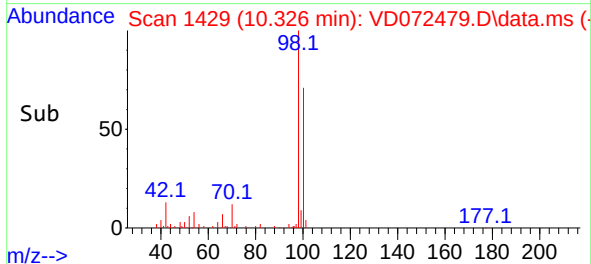
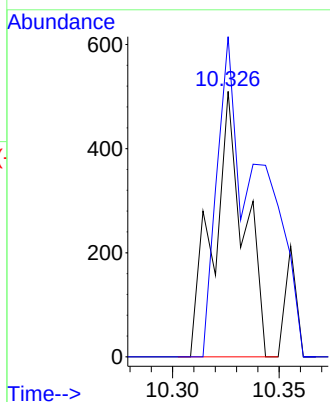
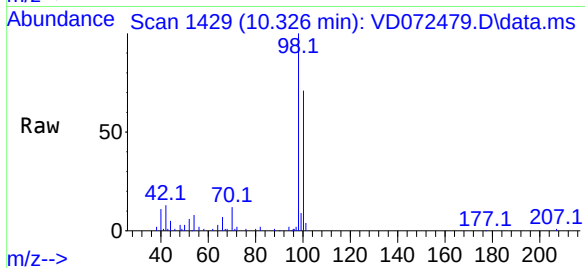




#51
4-Methyl-2-Pentanone
Concen: 1.429 ug/l
RT: 10.326 min Scan# 1411
Delta R.T. 0.106 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

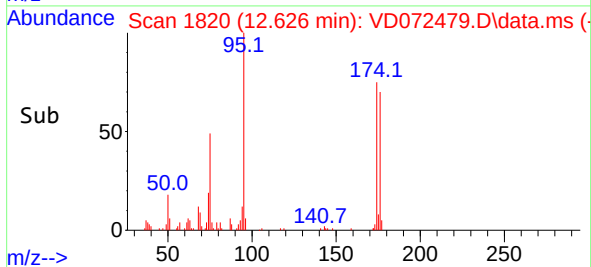
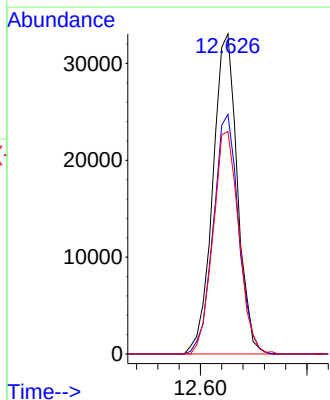
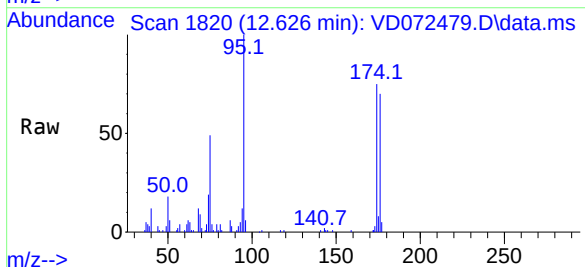
Instrument :
MSVOA_D
ClientSampleId :
279

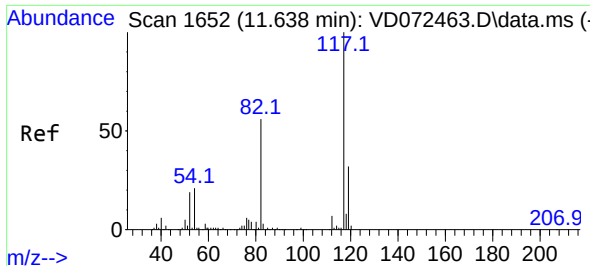
Tgt Ion: 43 Resp: 514
Ion Ratio Lower Upper
43 100
58 166.1 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 59.045 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

Tgt Ion: 95 Resp: 52854
Ion Ratio Lower Upper
95 100
174 76.9 0.0 152.8
176 73.1 0.0 145.4

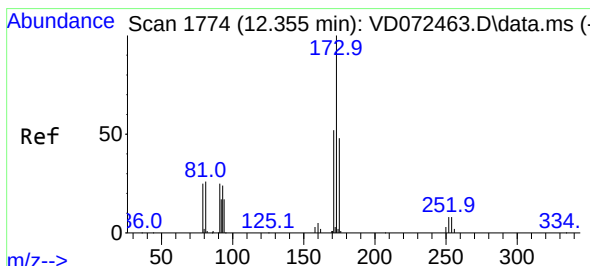
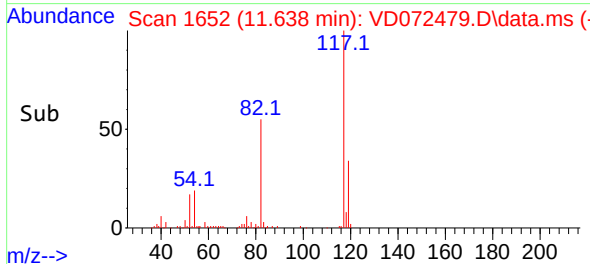
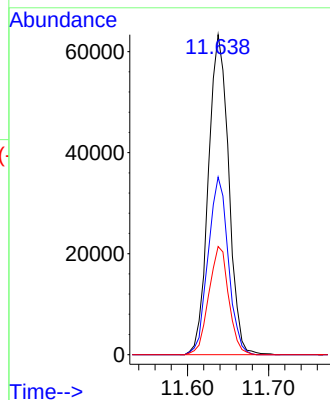
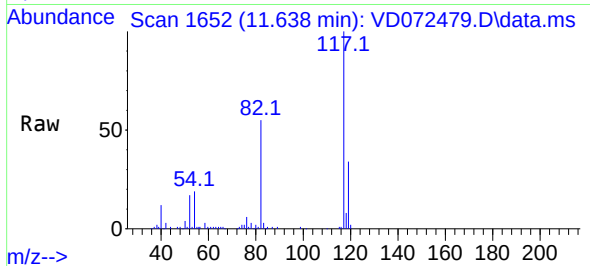




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 110
Delta R.T. 0.000 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

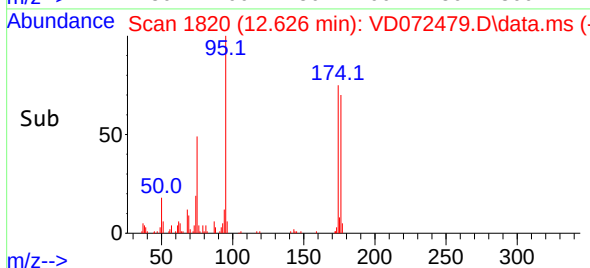
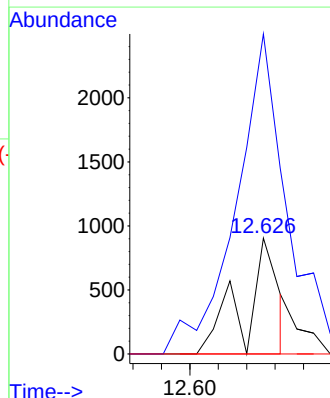
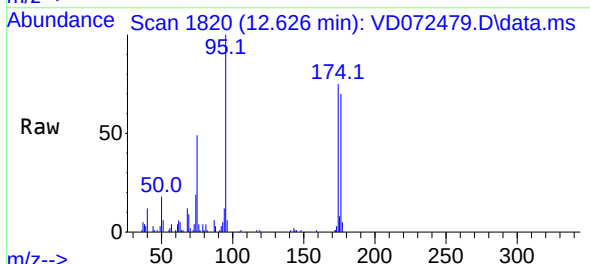
Instrument :
MSVOA_D
ClientSampleId :
279

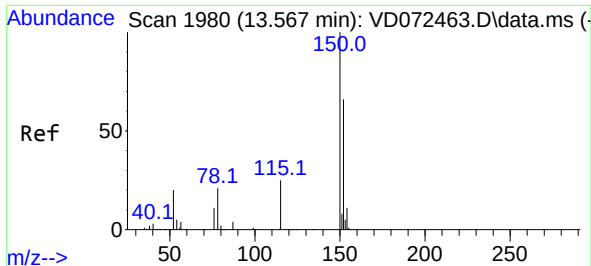
Tgt Ion:	117	Resp:	110085
Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.3	67.9
119	33.8	26.6	40.0



#71
Bromoform
Concen: 1.445 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

Tgt Ion:	173	Resp:	754
Ion	Ratio	Lower	Upper
173	100		
175	344.8	23.9	71.8#
254	0.0	0.0	0.0

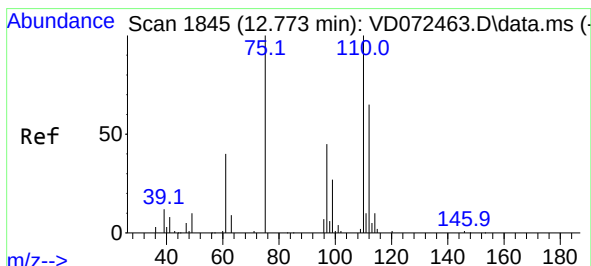
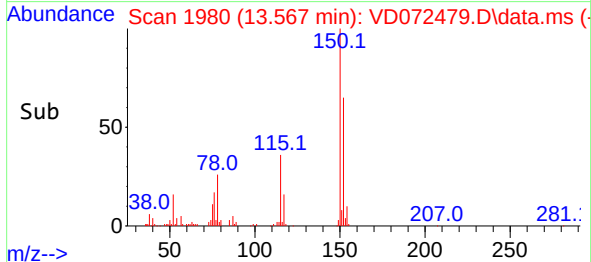
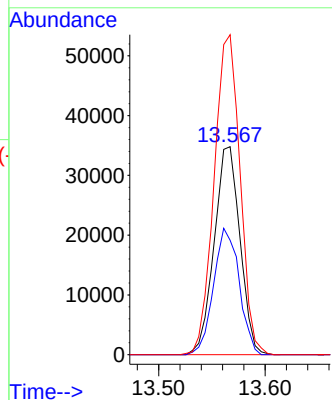
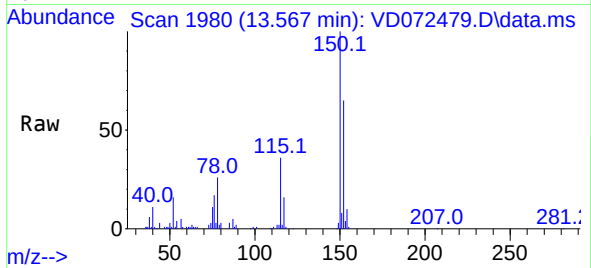




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

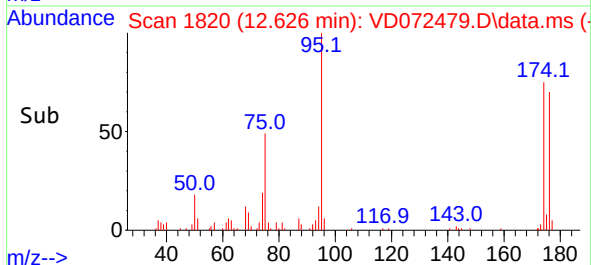
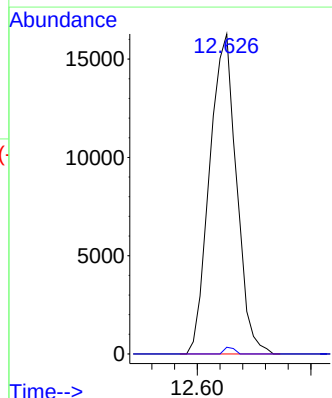
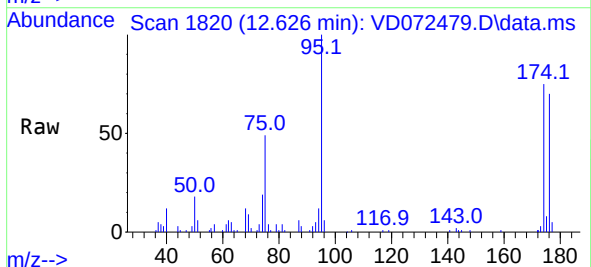
Instrument :
MSVOA_D
ClientSampleId :
279

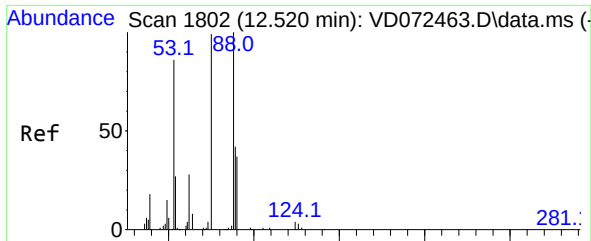
Tgt Ion:152 Resp: 58426
Ion Ratio Lower Upper
152 100
115 60.3 31.3 93.8
150 154.7 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 41.994 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072479.D
Acq: 30 Mar 2022 15:16

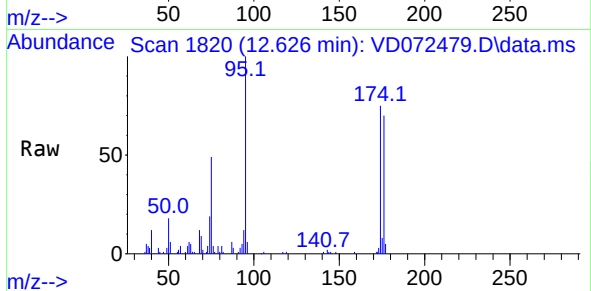
Tgt Ion: 75 Resp: 26760
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.046 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072479.D
 Acq: 30 Mar 2022 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 279



Tgt Ion: 75 Resp: 26760
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

