

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040422\
 Data File : VD072512.D
 Acq On : 04 Apr 2022 11:20
 Operator : VA/SY
 Sample : VD0404SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402

Quant Time: Apr 05 03:18:00 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)

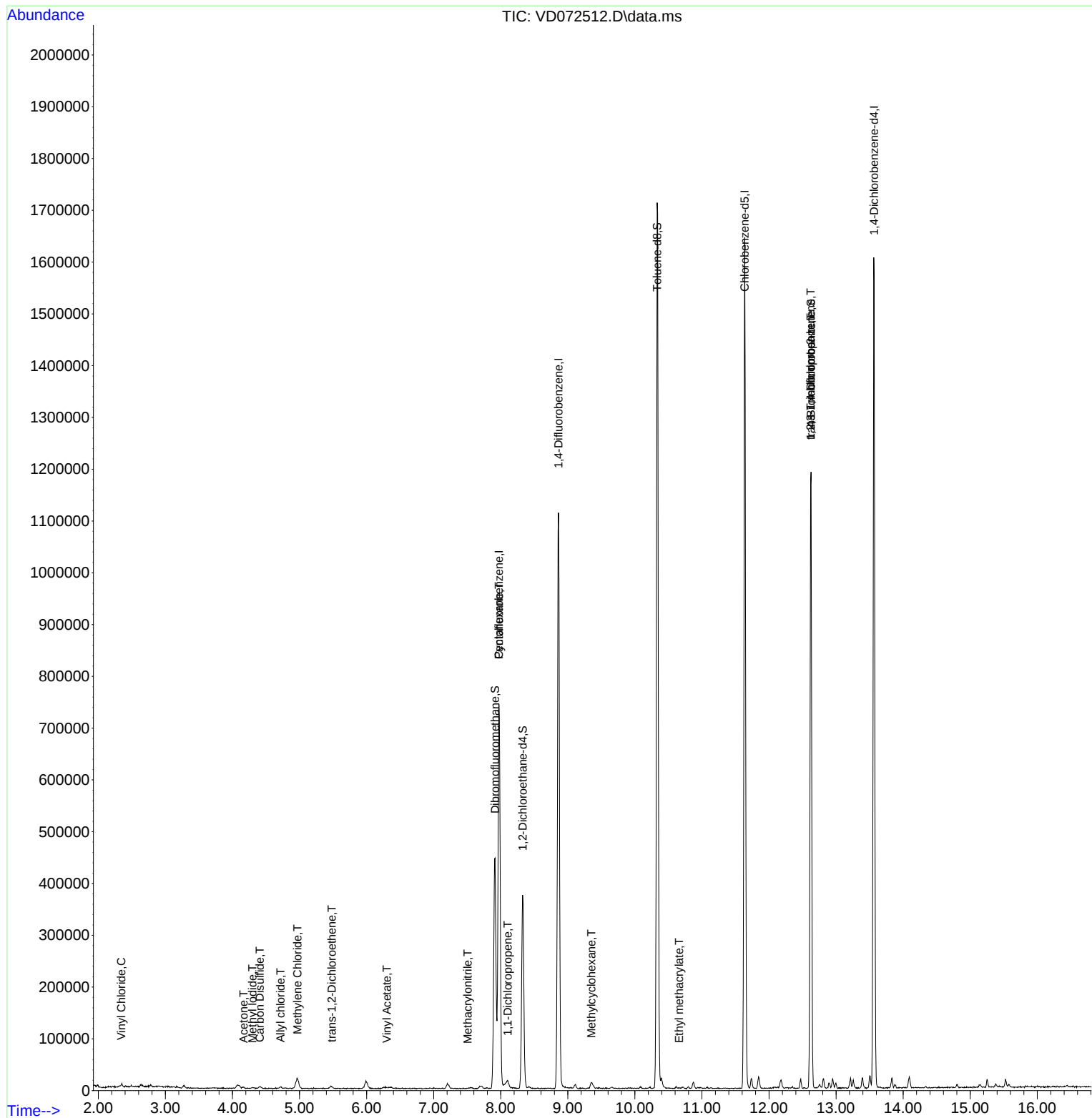
Internal Standards						
1) Pentafluorobenzene	7.973	168	540055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	988753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	926133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	430683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	302094	46.241	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.480%		
35) Dibromofluoromethane	7.914	113	325079	42.306	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.620%		
50) Toluene-d8	10.332	98	1185285	44.376	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.760%		
62) 4-Bromofluorobenzene	12.626	95	409268	39.234	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	78.460%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.344	62	2255	1.436	ug/l #	84
10) Methyl Iodide	4.297	142	3024	4.215	ug/l #	75
14) Allyl chloride	4.715	41	2224	1.382	ug/l #	87
16) Acetone	4.168	43	3715	3.050	ug/l #	79
17) Carbon Disulfide	4.409	76	6942	4.239	ug/l #	84
20) Methylene Chloride	4.968	84	15191	2.095	ug/l #	74
21) trans-1,2-Dichloroethene	5.479	96	2610	1.188	ug/l #	81
23) Vinyl Acetate	6.303	43	2560	6.527	ug/l #	75
31) Cyclohexane	7.973	56	15202	1.780	ug/l #	1
36) 1,1-Dichloropropene	8.103	75	4380	1.560	ug/l	94
39) Methylcyclohexane	9.350	83	5365	3.319	ug/l #	76
41) Methacrylonitrile	7.509	41	140	1.715	ug/l #	27
56) Ethyl methacrylate	10.661	69	535	1.262	ug/l #	78
76) 1,2,3-Trichloropropane	12.620	75	213111	45.369	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	213111	111.327	ug/l #	7

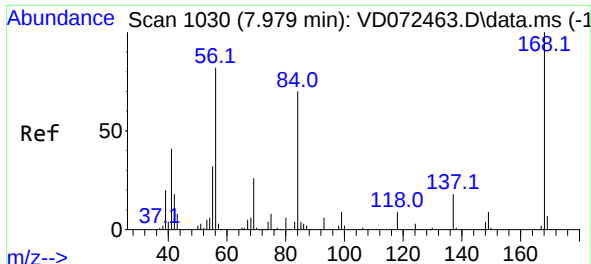
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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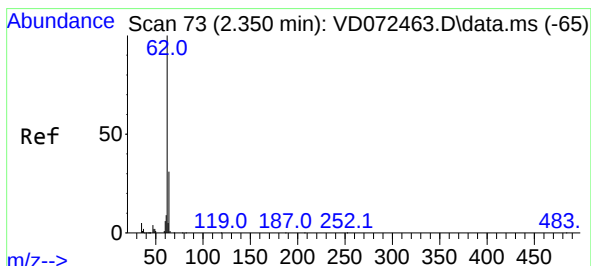
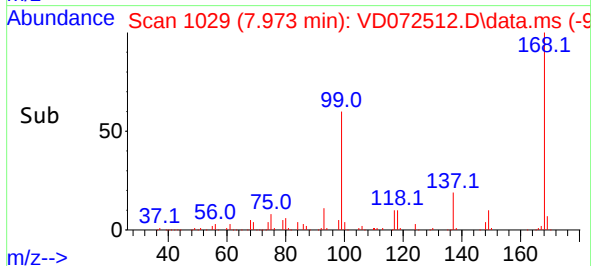
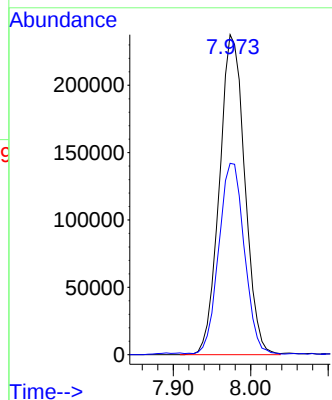
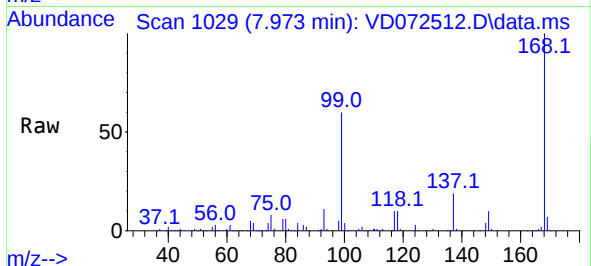




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

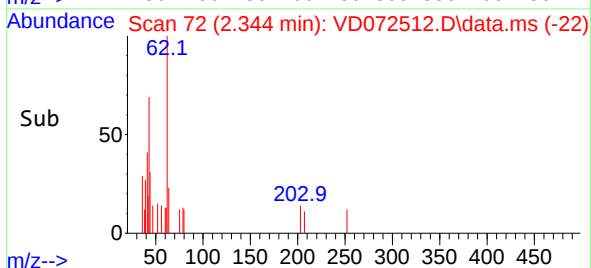
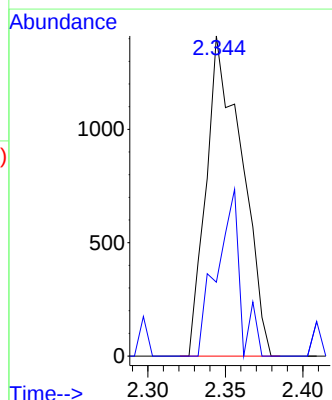
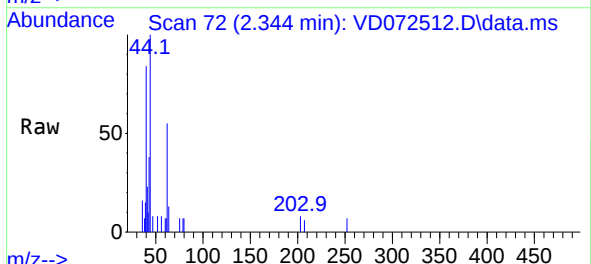
Instrument :
MSVOA_D
ClientSampleId :
VD0402

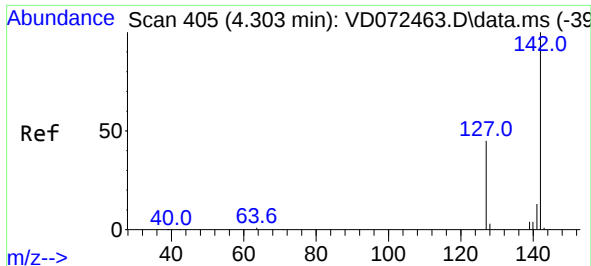
Tgt Ion:168 Resp: 540055
Ion Ratio Lower Upper
168 100
99 59.6 49.8 74.6



#4
Vinyl Chloride
Concen: 1.436 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.006 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

Tgt Ion: 62 Resp: 2255
Ion Ratio Lower Upper
62 100
64 23.1 25.4 38.0#

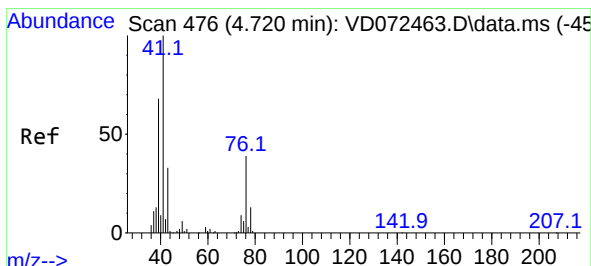
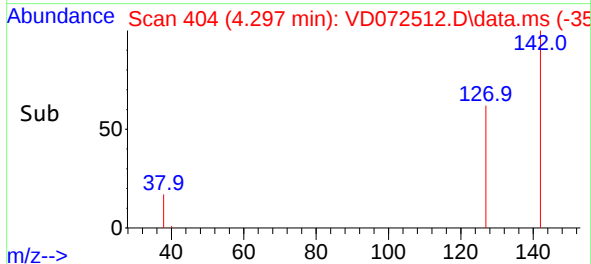
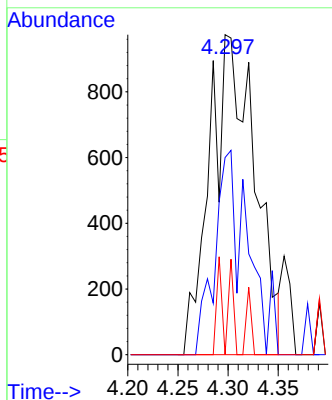
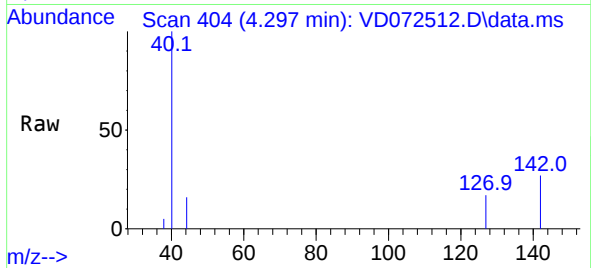




#10
Methyl Iodide
Concen: 4.215 ug/l
RT: 4.297 min Scan# 40
Delta R.T. -0.006 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

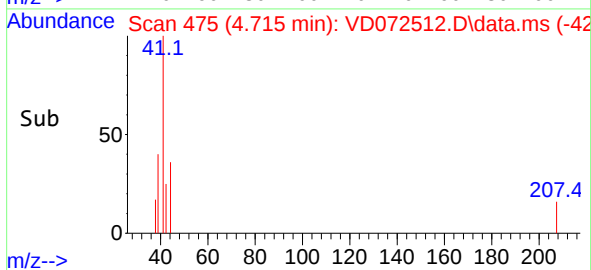
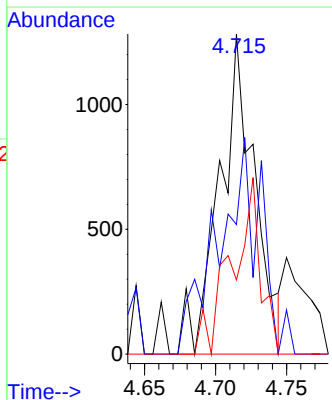
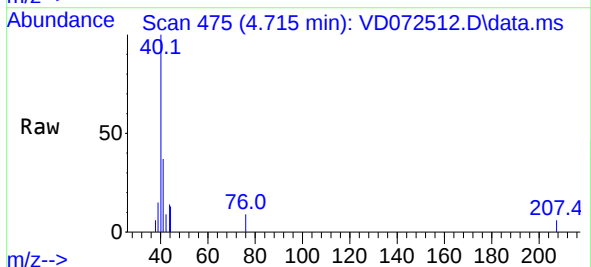
Instrument :
MSVOA_D
ClientSampleId :
VD0402

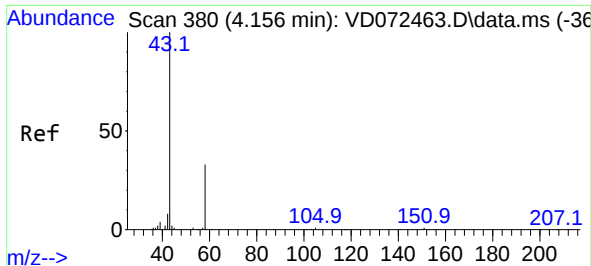
Tgt Ion:	142	Resp:	3024
Ion	Ratio	Lower	Upper
142	100		
127	28.3	37.3	55.9#
141	6.9	11.7	17.5#



#14
Allyl chloride
Concen: 1.382 ug/l
RT: 4.715 min Scan# 475
Delta R.T. -0.005 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

Tgt Ion:	41	Resp:	2224
Ion	Ratio	Lower	Upper
41	100		
39	81.2	59.3	88.9
76	44.6	25.7	38.5#

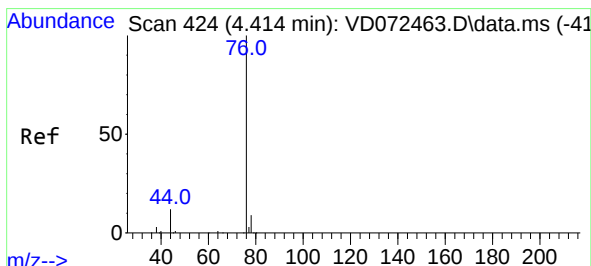
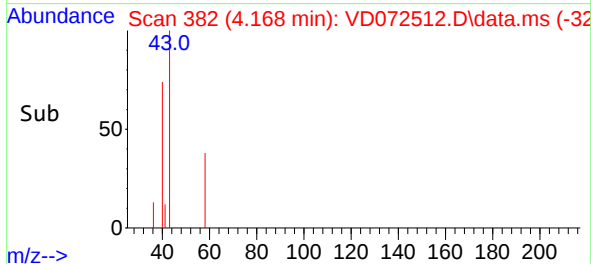
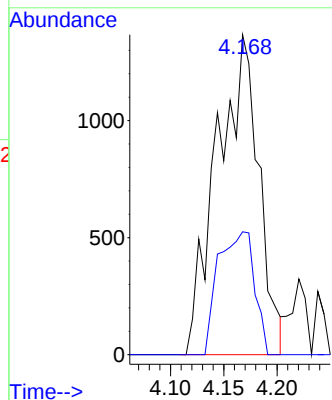
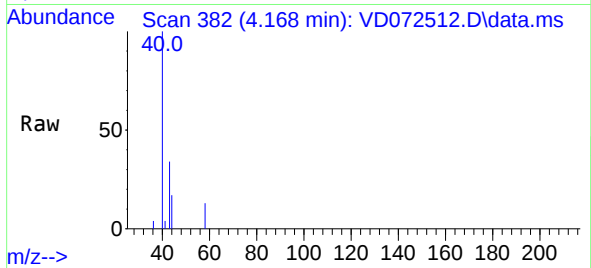




#16
Acetone
Concen: 3.050 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

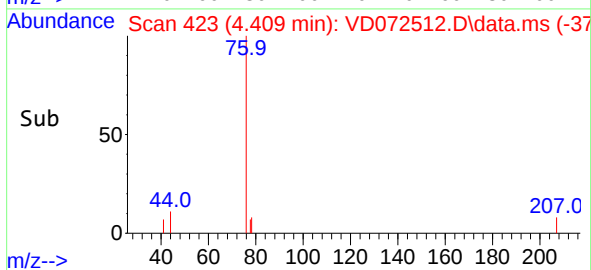
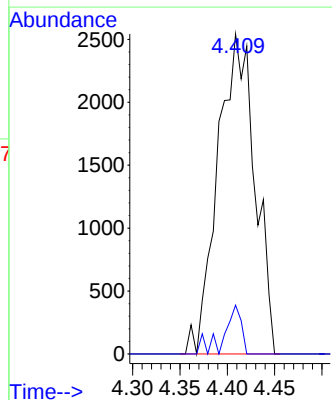
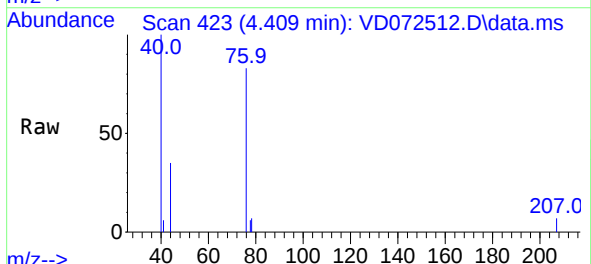
Instrument :
MSVOA_D
ClientSampleId :
VD0402

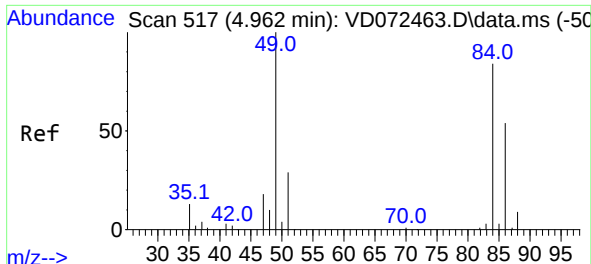
Tgt Ion: 43 Resp: 3715
Ion Ratio Lower Upper
43 100
58 38.4 22.1 33.1#



#17
Carbon Disulfide
Concen: 4.239 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

Tgt Ion: 76 Resp: 6942
Ion Ratio Lower Upper
76 100
78 15.3 7.5 11.3#



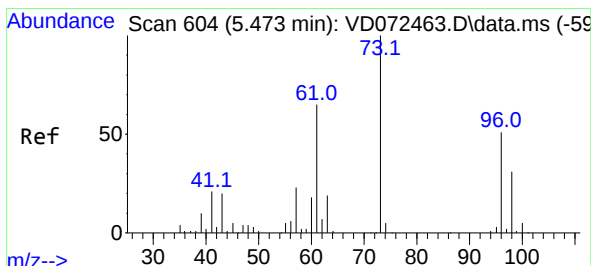
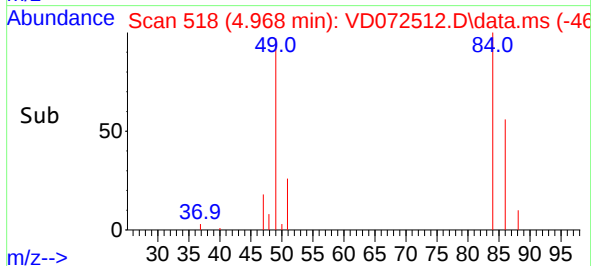
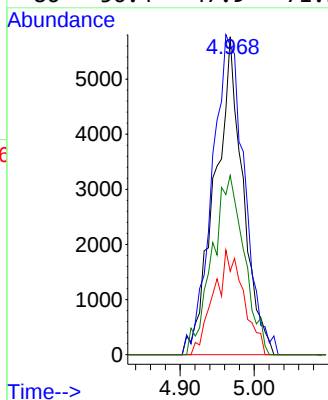
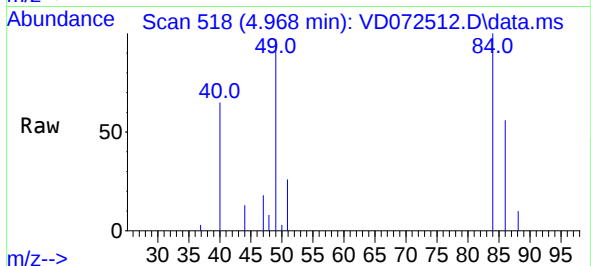


#20
Methylene Chloride
Concen: 2.095 ug/l
RT: 4.968 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0402

Tgt Ion: 84 Resp: 15191

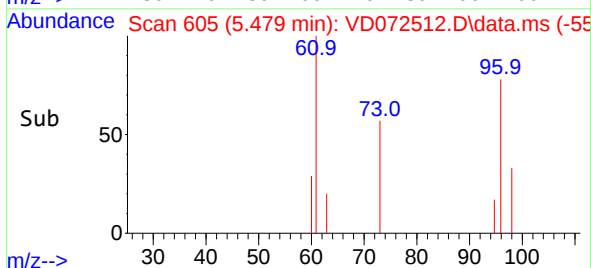
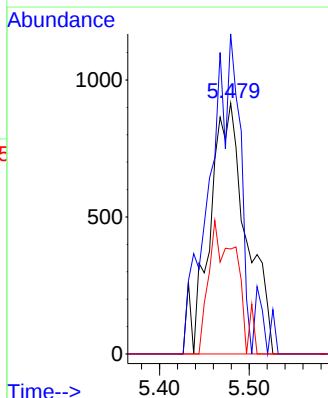
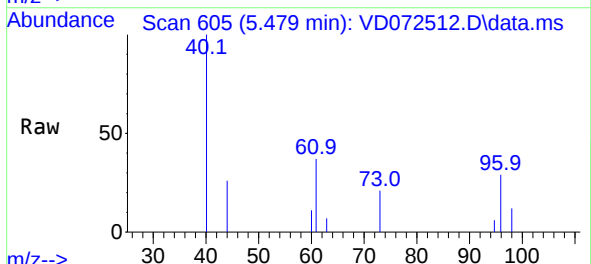
Ion	Ratio	Lower	Upper
84	100		
49	97.3	112.8	169.2#
51	26.2	32.6	48.8#
86	56.4	47.9	71.9

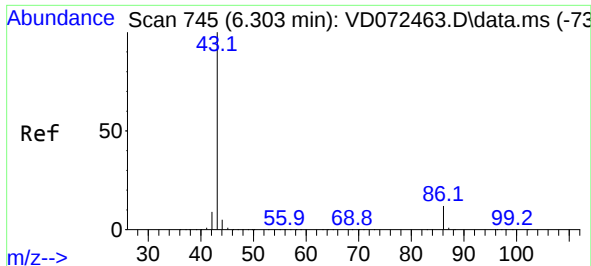


#21
trans-1,2-Dichloroethene
Concen: 1.188 ug/l
RT: 5.479 min Scan# 605
Delta R.T. 0.006 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

Tgt Ion: 96 Resp: 2610

Ion	Ratio	Lower	Upper
96	100		
61	127.5	117.9	176.9
98	41.8	49.4	74.2#

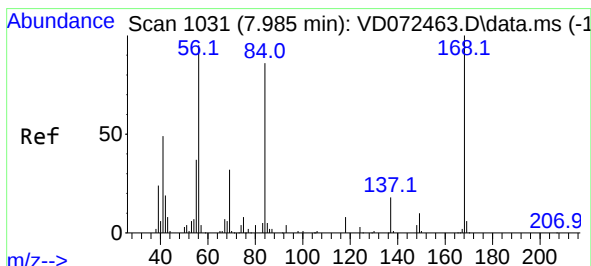
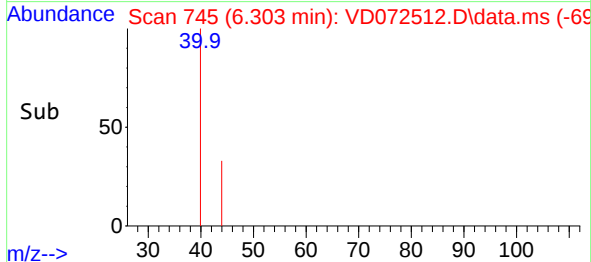
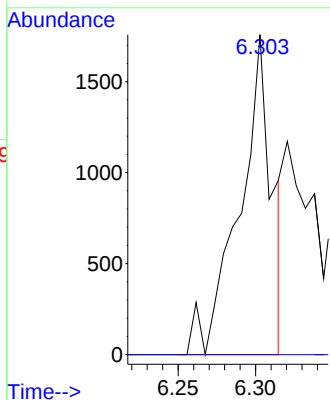
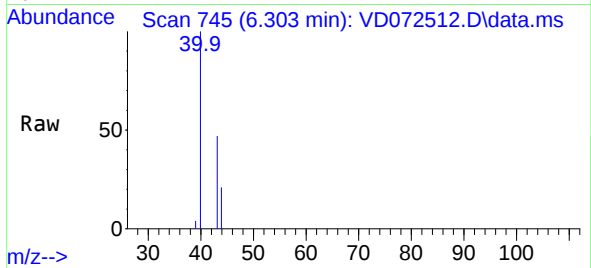




#23
 Vinyl Acetate
 Concen: 6.527 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD072512.D
 Acq: 04 Apr 2022 11:20

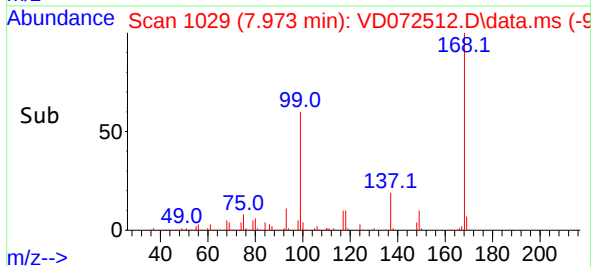
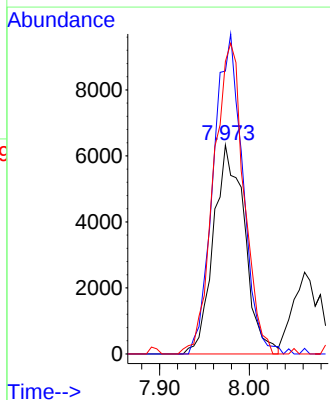
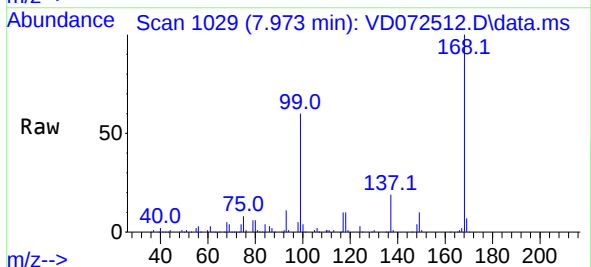
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 ClientSampleId :
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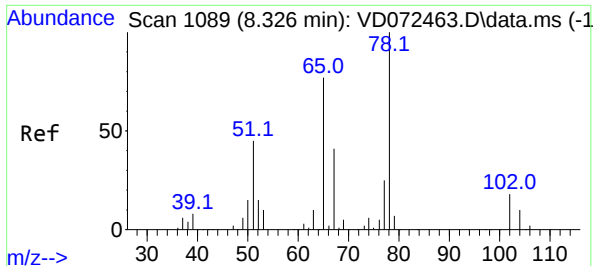
Tgt Ion: 43 Resp: 2560
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#31
 Cyclohexane
 Concen: 1.780 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD072512.D
 Acq: 04 Apr 2022 11:20

Tgt Ion: 56 Resp: 15202
 Ion Ratio Lower Upper
 56 100
 69 135.3 25.4 38.2#
 84 140.0 63.0 94.4#

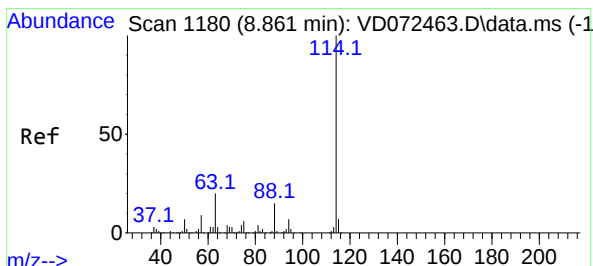
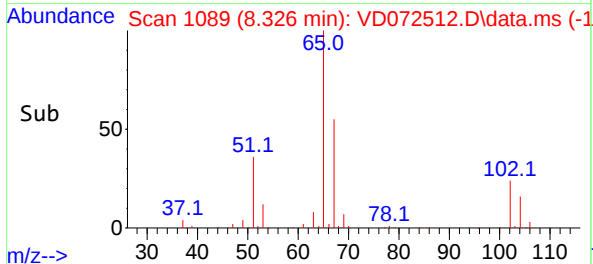
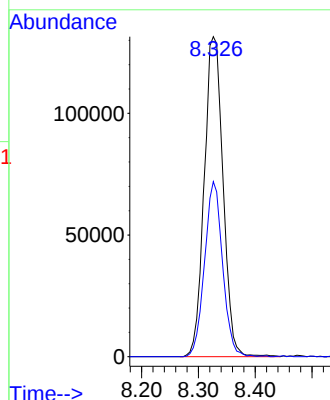
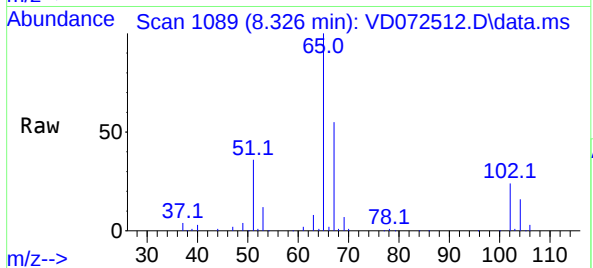




#33
1,2-Dichloroethane-d4
Concen: 46.241 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

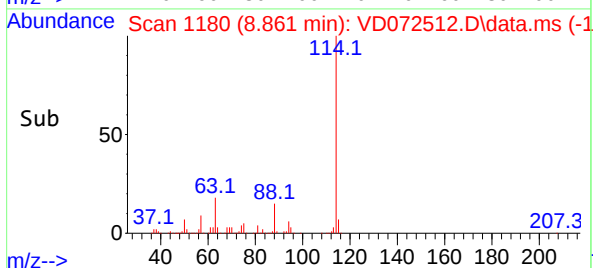
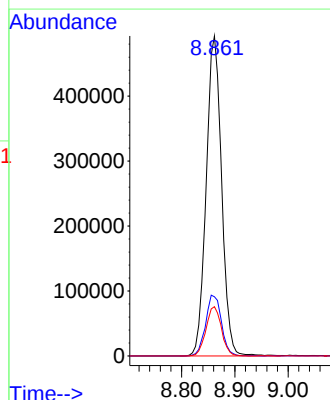
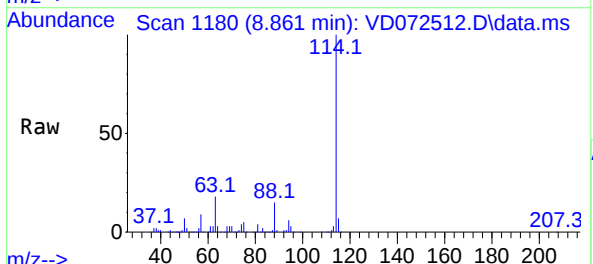
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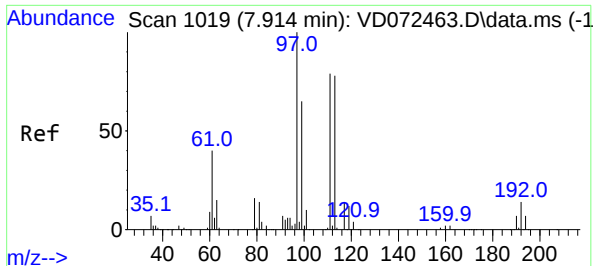
Tgt Ion: 65 Resp: 302094
Ion Ratio Lower Upper
65 100
67 52.3 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

Tgt Ion:114 Resp: 988753
Ion Ratio Lower Upper
114 100
63 18.5 0.0 46.6
88 15.4 0.0 33.2

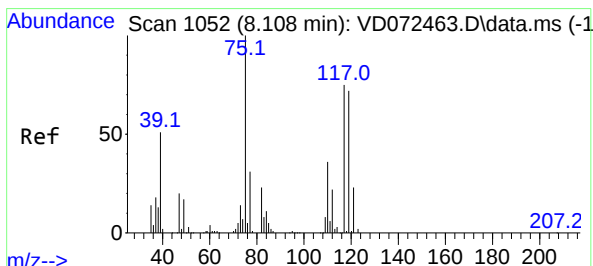
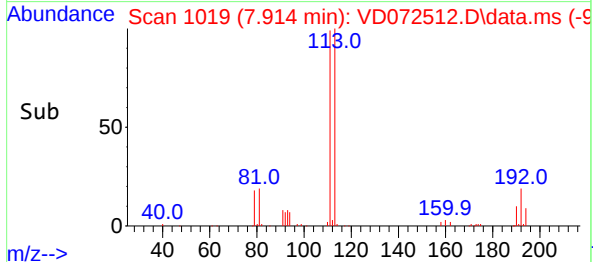
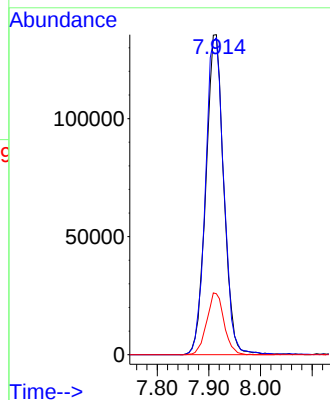
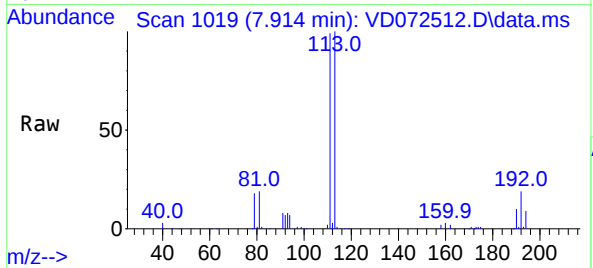




#35
Dibromofluoromethane
Concen: 42.306 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

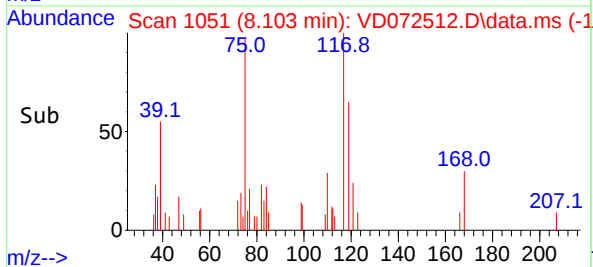
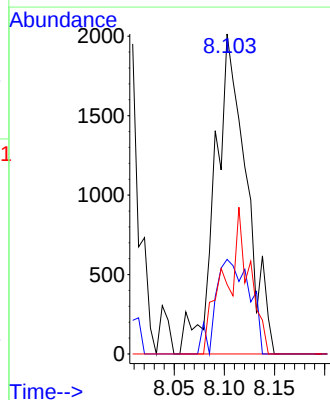
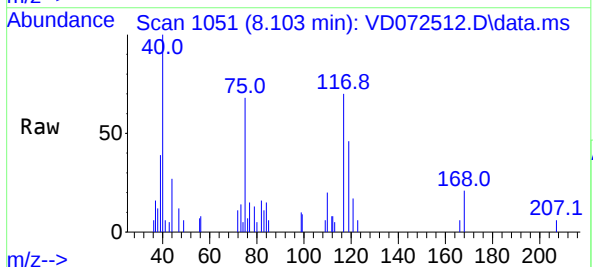
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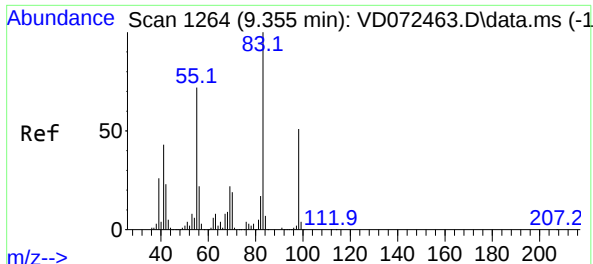
Tgt Ion:113 Resp: 325079
Ion Ratio Lower Upper
113 100
111 101.6 83.8 125.6
192 18.7 14.6 21.8



#36
1,1-Dichloropropene
Concen: 1.560 ug/l
RT: 8.103 min Scan# 1051
Delta R.T. -0.005 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

Tgt Ion: 75 Resp: 4380
Ion Ratio Lower Upper
75 100
110 31.9 16.4 49.1
77 35.9 24.2 36.2

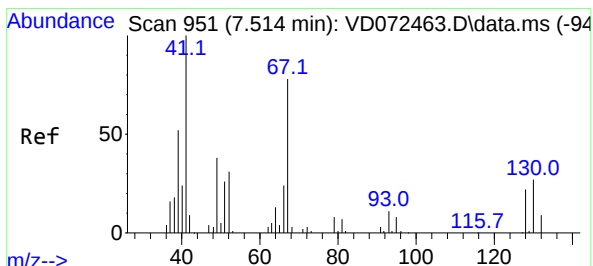
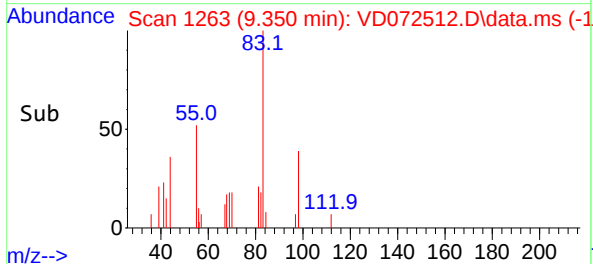
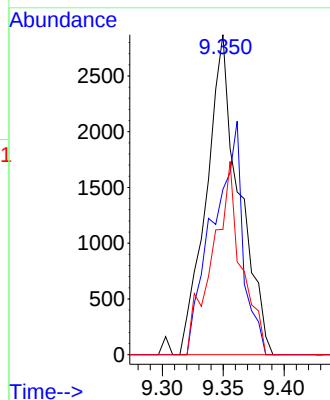
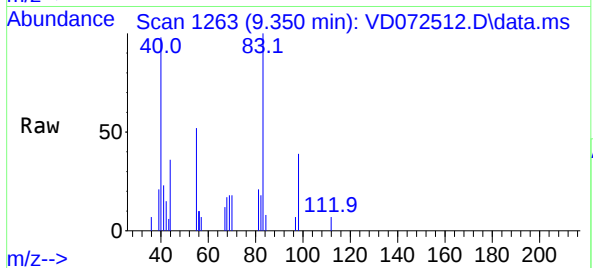




#39
Methylcyclohexane
Concen: 3.319 ug/l
RT: 9.350 min Scan# 11
Delta R.T. -0.005 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

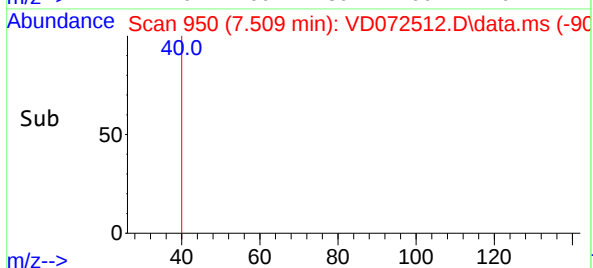
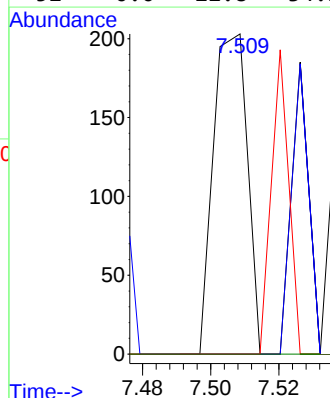
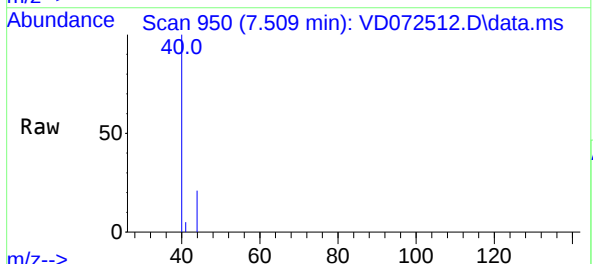
Instrument :
MSVOA_D
ClientSampleId :
VD0402

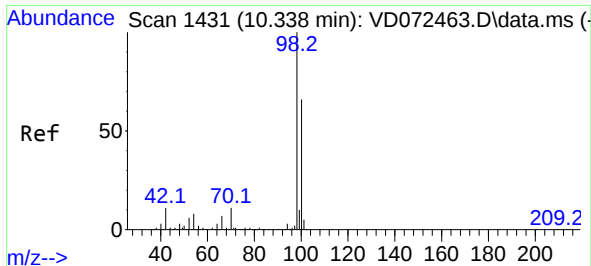
Tgt Ion:	83	Resp:	5365
Ion	Ratio	Lower	Upper
83	100		
55	51.6	63.2	94.8#
98	39.1	38.2	57.4



#41
Methacrylonitrile
Concen: 1.715 ug/l
RT: 7.509 min Scan# 950
Delta R.T. -0.005 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

Tgt Ion:	41	Resp:	140
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#

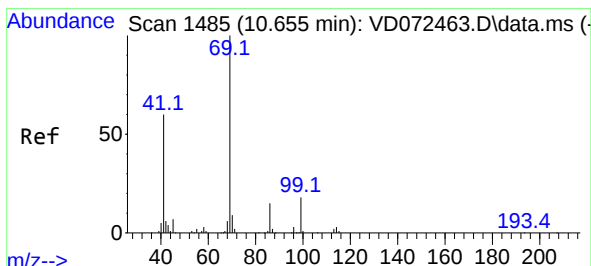
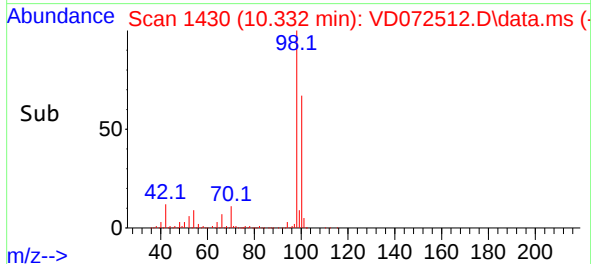
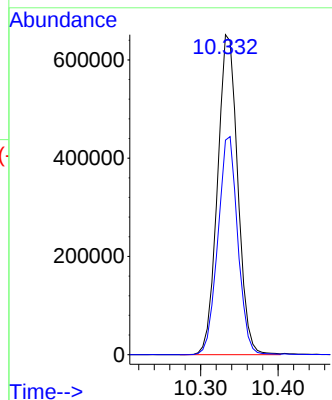
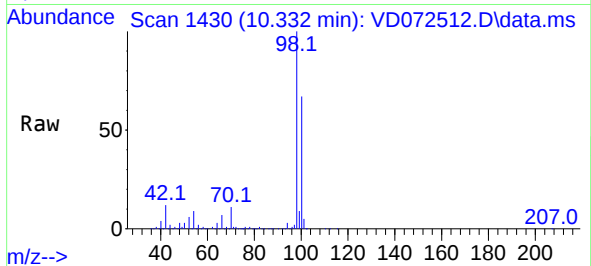




#50
Toluene-d8
Concen: 44.376 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

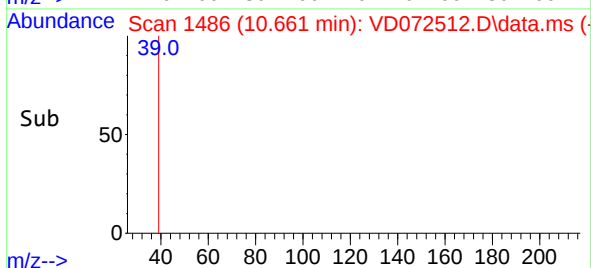
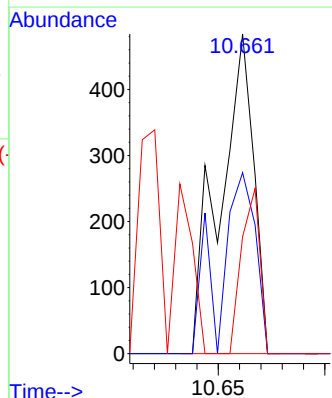
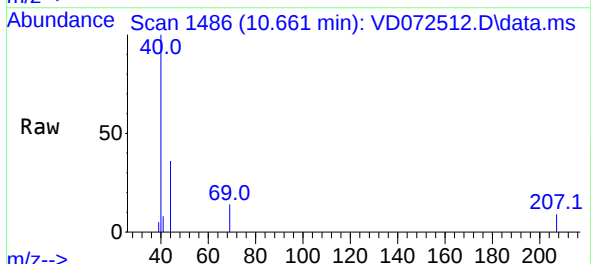
Instrument :
MSVOA_D
ClientSampleId :
VD0402

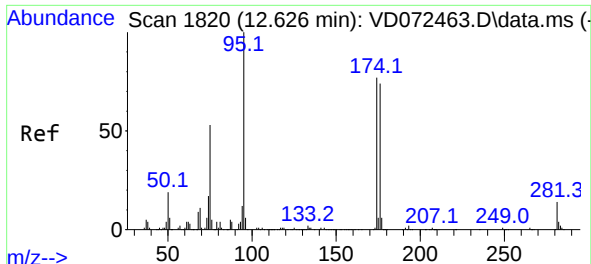
Tgt Ion: 98 Resp: 1185285
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.262 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

Tgt Ion: 69 Resp: 535
Ion Ratio Lower Upper
69 100
41 59.3 63.0 94.6#
39 28.2 33.8 50.8#

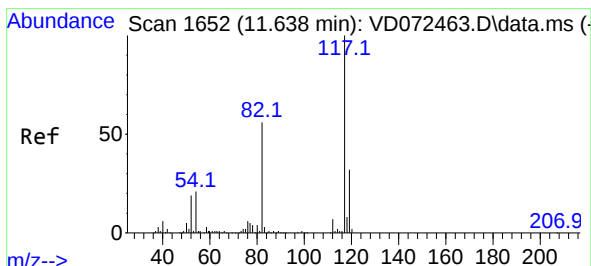
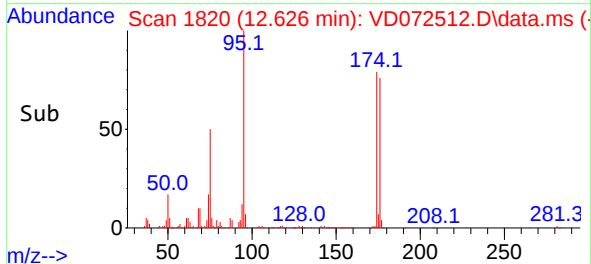
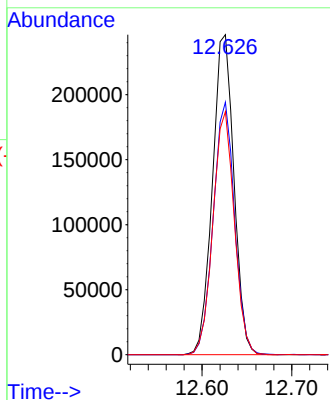
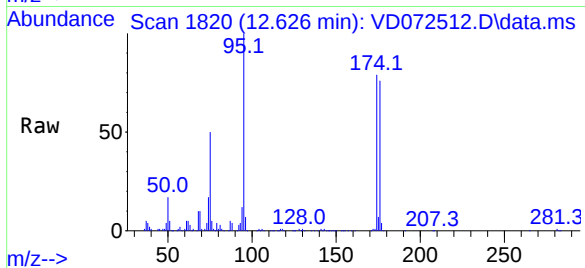




#62
4-Bromofluorobenzene
Concen: 39.234 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

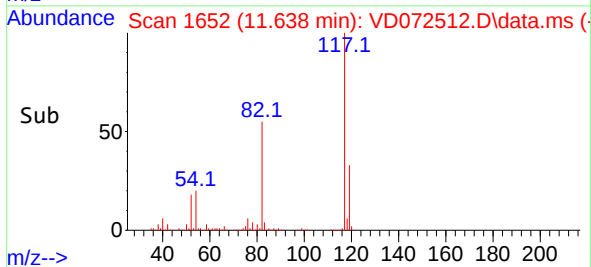
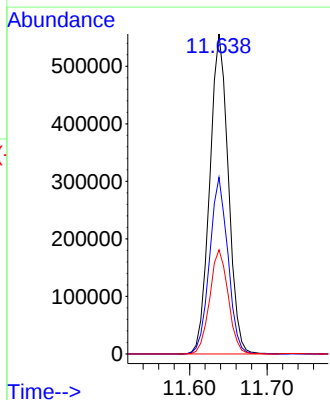
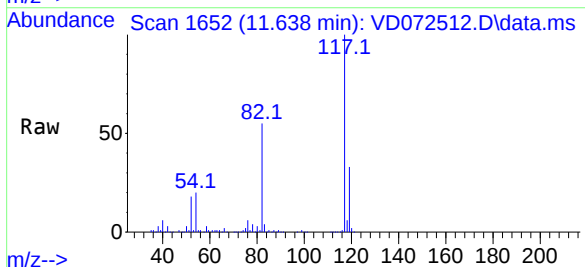
Instrument :
MSVOA_D
ClientSampleId :
VD0402

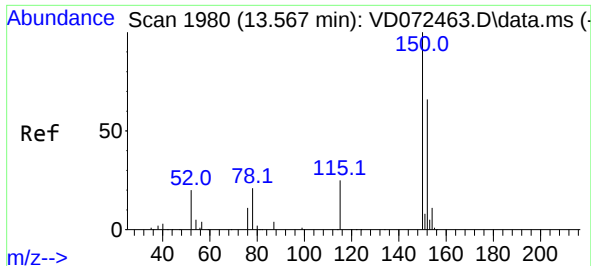
Tgt Ion: 95 Resp: 409268
Ion Ratio Lower Upper
95 100
174 78.3 0.0 152.8
176 75.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

Tgt Ion: 117 Resp: 926133
Ion Ratio Lower Upper
117 100
82 55.2 45.3 67.9
119 32.6 26.6 40.0

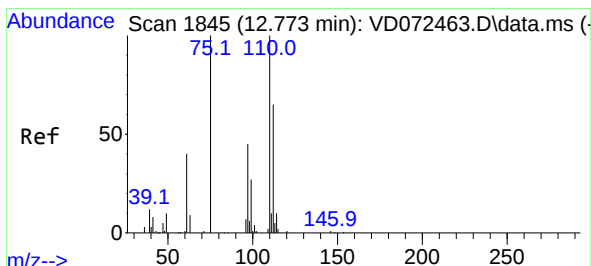
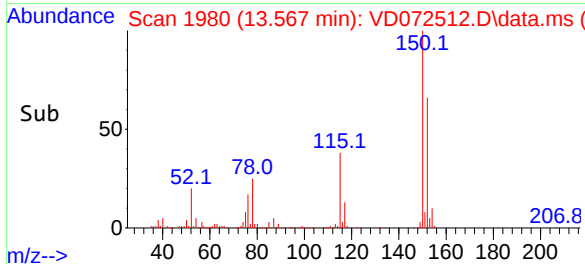
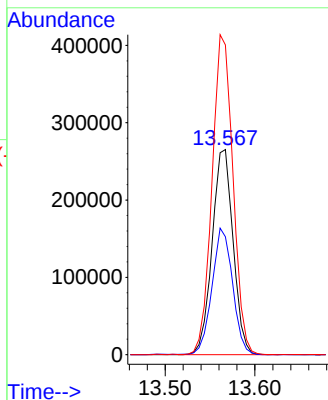
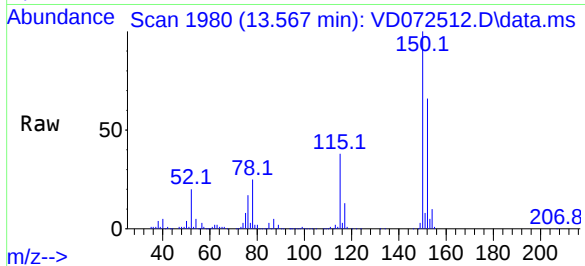




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

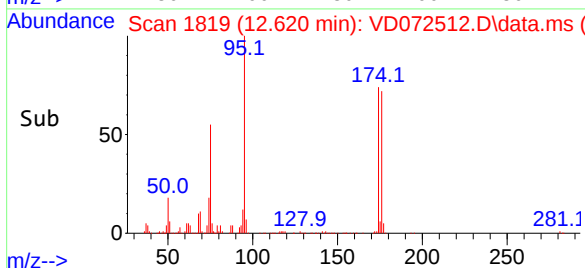
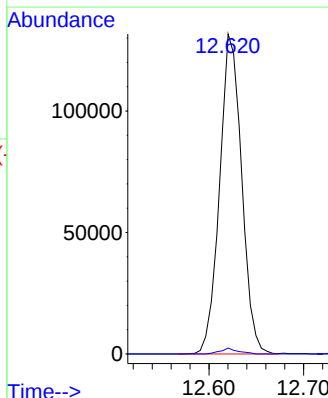
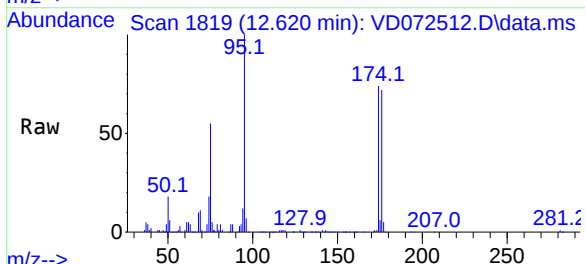
Instrument :
MSVOA_D
ClientSampleId :
VD0402

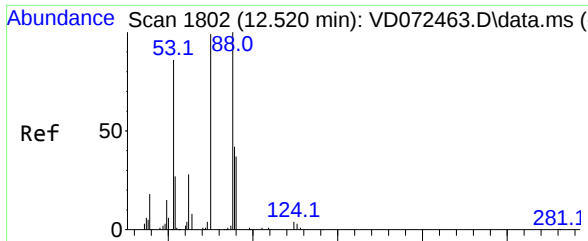
Tgt Ion:152 Resp: 430683
Ion Ratio Lower Upper
152 100
115 60.6 31.3 93.8
150 155.8 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.369 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072512.D
Acq: 04 Apr 2022 11:20

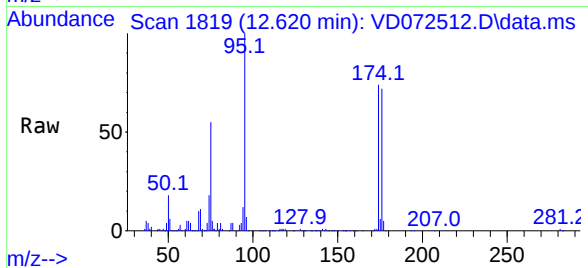
Tgt Ion: 75 Resp: 213111
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.327 ug/l
 RT: 12.620 min Scan# 1802
 Delta R.T. 0.100 min
 Lab File: VD072512.D
 Acq: 04 Apr 2022 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402



Tgt Ion: 75 Resp: 213111
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.0 33.9 50.9#

