

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071354.D
 Acq On : 15 Dec 2021 20:38
 Operator : VA/SY
 Sample : M5097-01
 Misc : 4.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:32:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

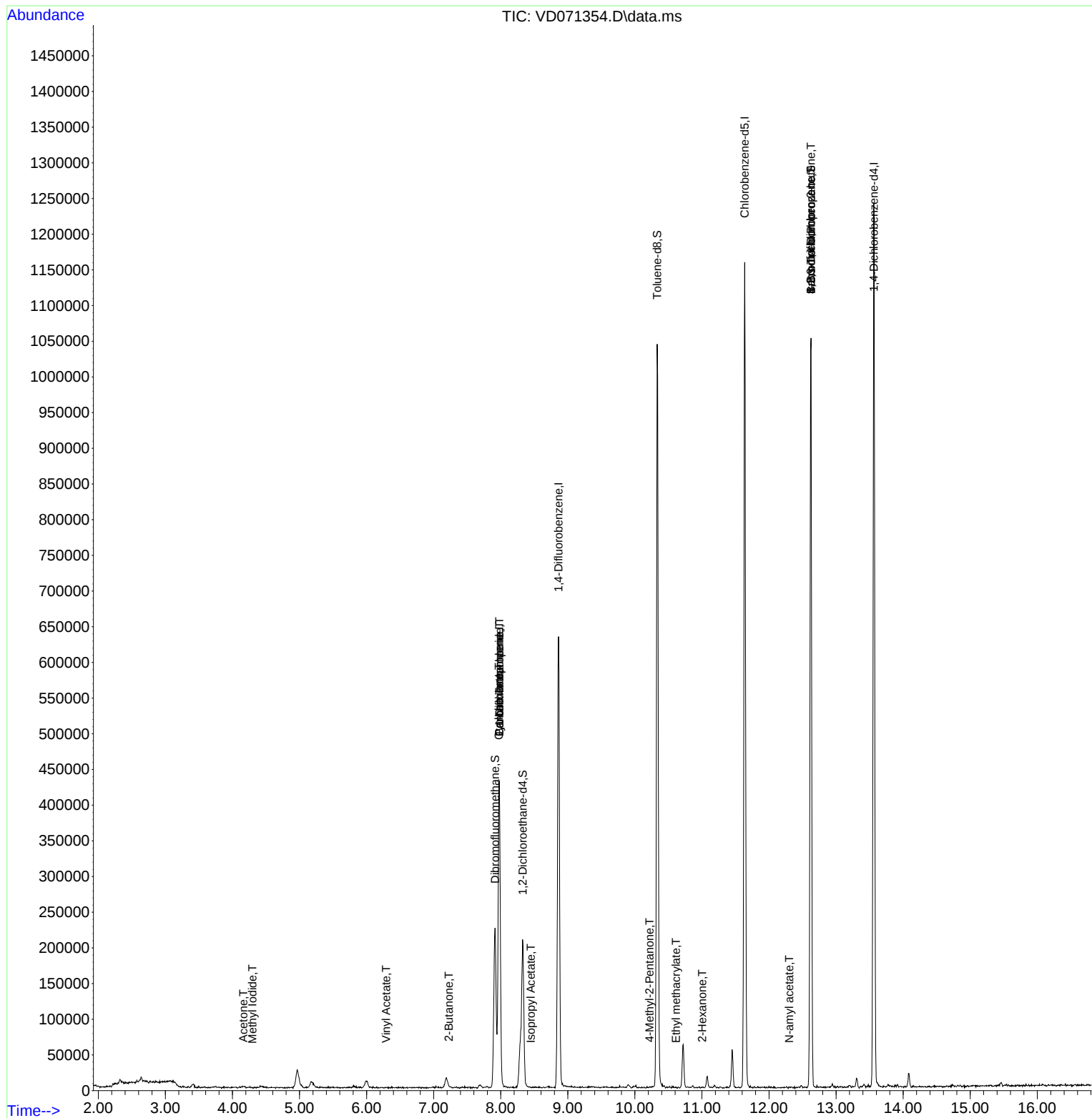
Internal Standards						
1) Pentafluorobenzene	7.979	168	297519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	520316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	595389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	299118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	154989	44.396	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.800%		
35) Dibromofluoromethane	7.914	113	160309	48.383	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.760%		
50) Toluene-d8	10.332	98	668915	53.051	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.100%		
62) 4-Bromofluorobenzene	12.626	95	299127	68.439	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	136.880%		
Target Compounds			Qvalue			
10) Methyl Iodide	4.297	142	56	4.575	ug/l #	40
11) Tert butyl alcohol	5.197	59	7446	Below Cal	#	71
16) Acetone	4.162	43	2062	32.747	ug/l #	71
23) Vinyl Acetate	6.291	43	72	27.230	ug/l #	72
25) 2-Butanone	7.226	43	180	28.508	ug/l #	45
31) Cyclohexane	7.973	56	9380	1.580	ug/l #	19
36) 1,1-Dichloropropene	7.979	75	28237	5.806	ug/l #	49
38) Carbon Tetrachloride	7.979	117	32732	6.828	ug/l #	16
41) Methacrylonitrile	7.526	41	71	Below Cal	#	12
43) Isopropyl Acetate	8.450	43	95	5.241	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	461	30.823	ug/l #	34
56) Ethyl methacrylate	10.614	69	116	6.000	ug/l #	52
59) 2-Hexanone	11.002	43	109	34.627	ug/l #	22
71) Bromoform	12.626	173	3108	1.487	ug/l #	1
74) N-amyl acetate	12.302	43	164	5.726	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	172798	60.634	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	172798	131.216	ug/l #	18

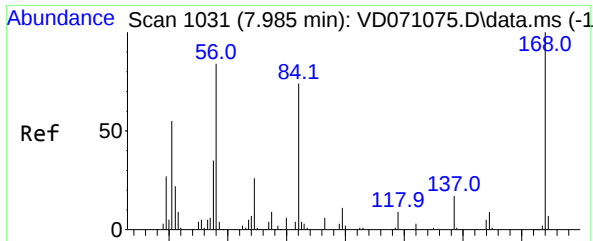
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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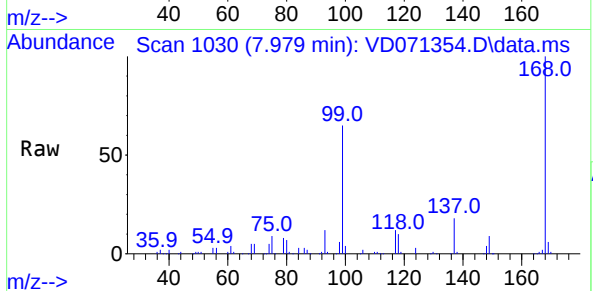
Quant Time: Dec 16 04:32:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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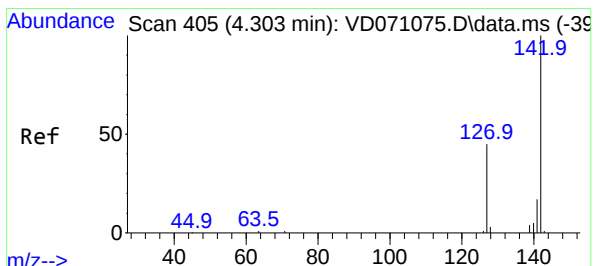
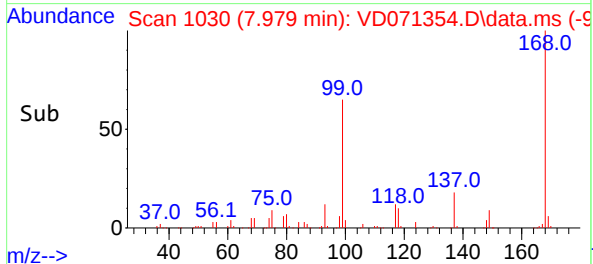
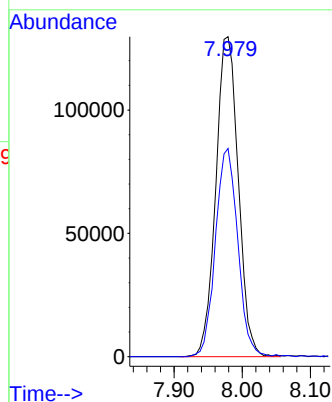


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

Instrument :
MSVOA_D
ClientSampleId :

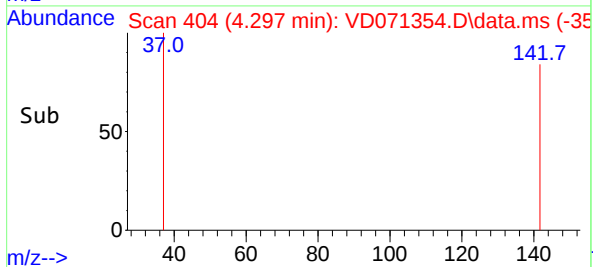
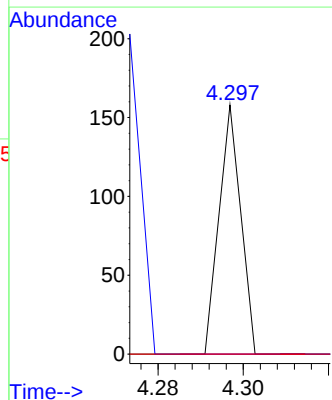
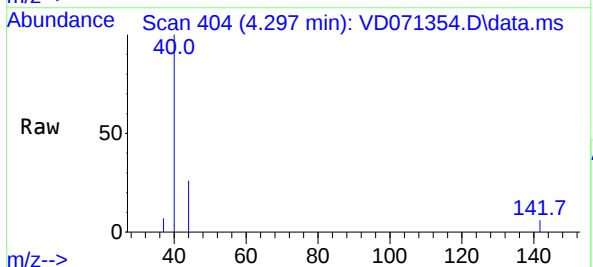


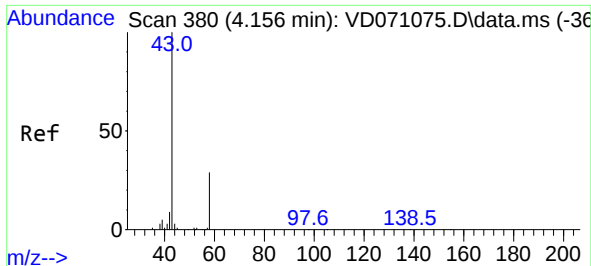
Tgt Ion:168 Resp: 297519
Ion Ratio Lower Upper
168 100
99 65.0 46.6 69.8



#10
Methyl Iodide
Concen: 4.575 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

Tgt Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

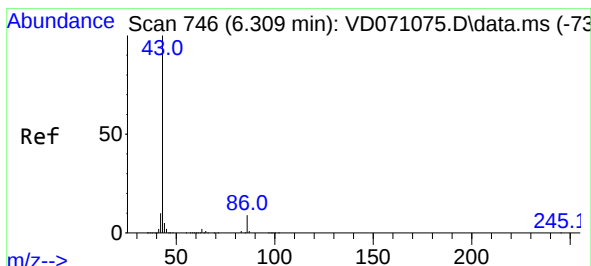
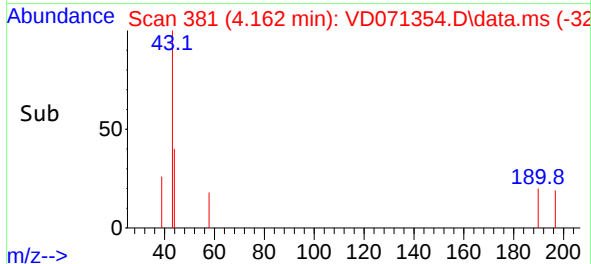
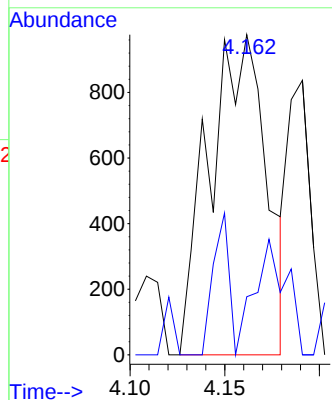
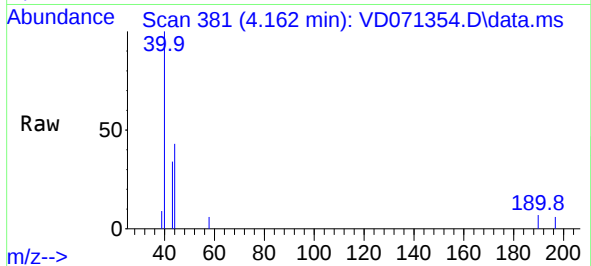




#16
Acetone
Concen: 32.747 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

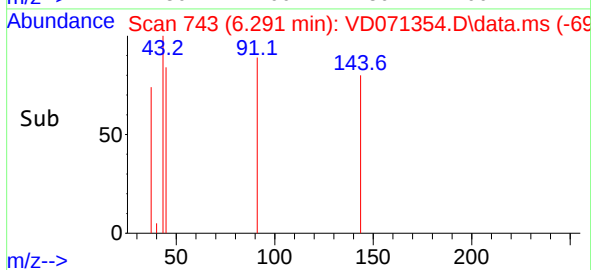
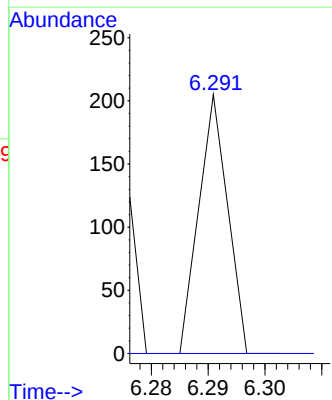
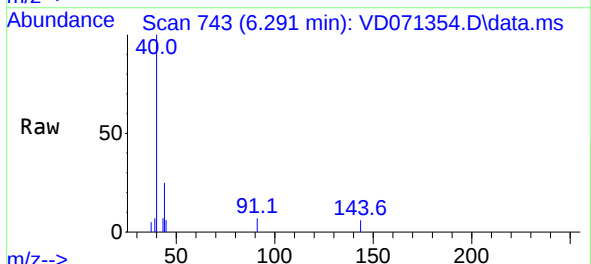
Instrument :
MSVOA_D
ClientSampleId :

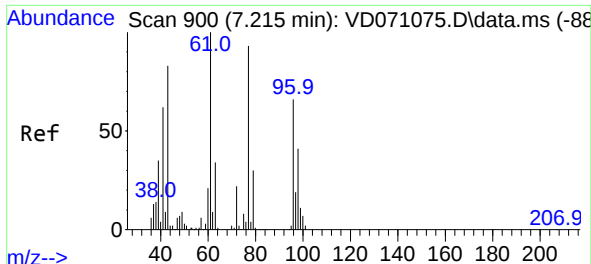
Tgt Ion: 43 Resp: 2062
Ion Ratio Lower Upper
43 100
58 18.1 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.230 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.018 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

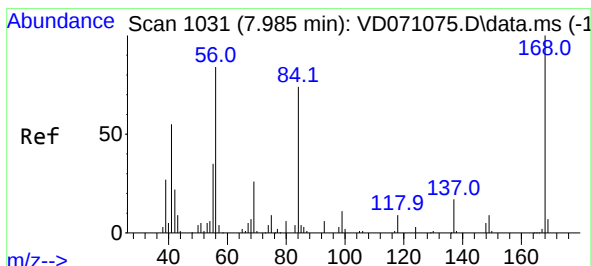
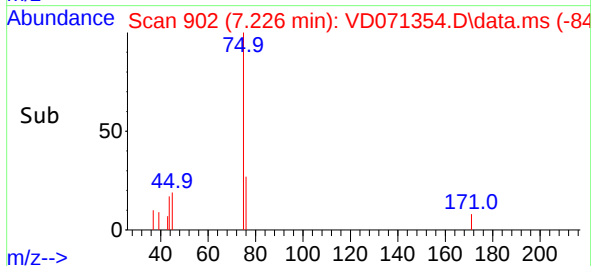
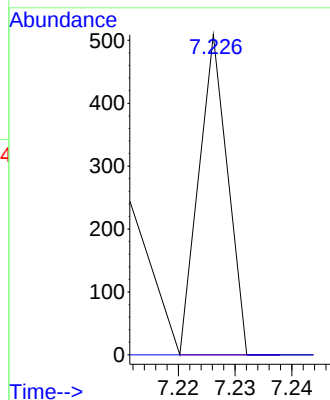
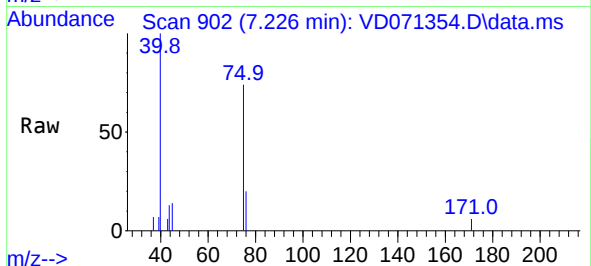




#25
2-Butanone
Concen: 28.508 ug/l
RT: 7.226 min Scan# 90
Delta R.T. 0.011 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

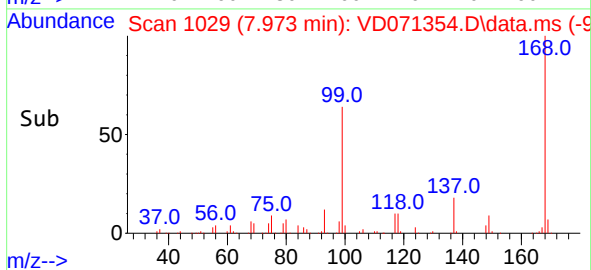
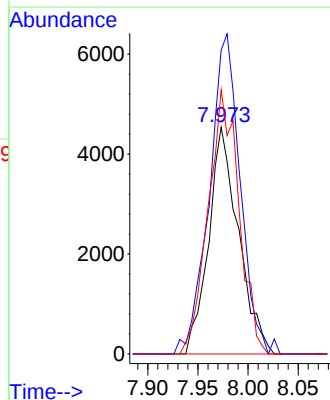
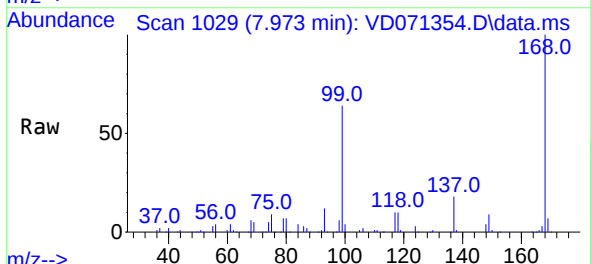
Instrument :
MSVOA_D
ClientSampleId :

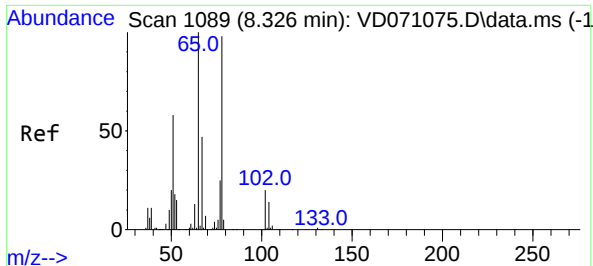
Tgt Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.580 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

Tgt Ion: 56 Resp: 9380
Ion Ratio Lower Upper
56 100
69 133.9 25.9 38.9#
84 116.4 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 44.396 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071354.D

Acq: 15 Dec 2021 20:38

Instrument :

MSVOA_D

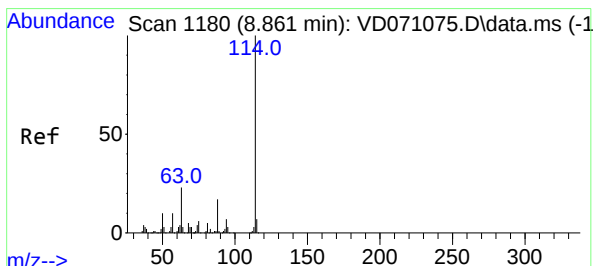
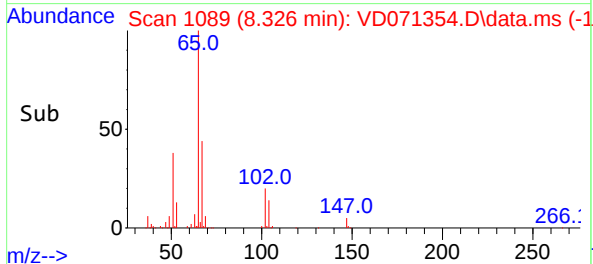
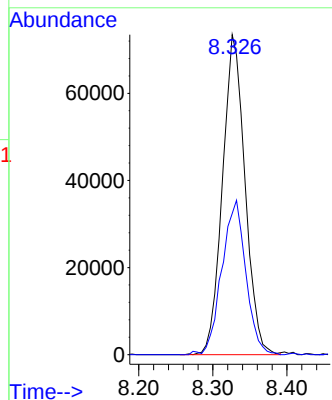
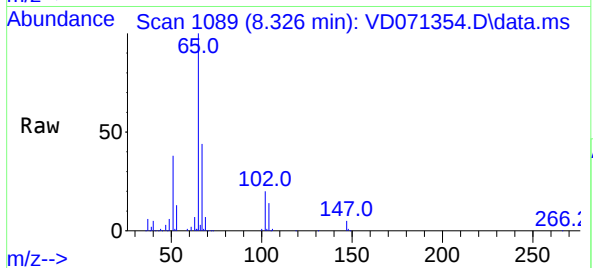
ClientSampleId :

Tgt Ion: 65 Resp: 154989

Ion Ratio Lower Upper

65 100

67 51.3 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071354.D

Acq: 15 Dec 2021 20:38

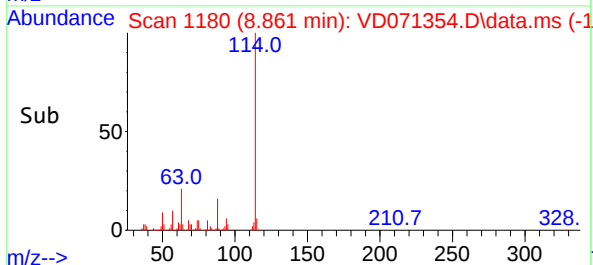
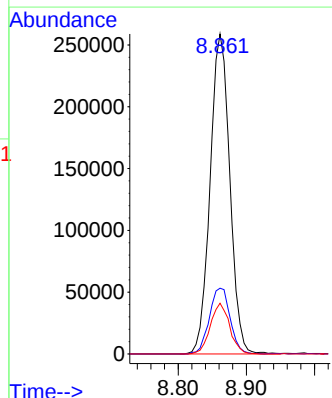
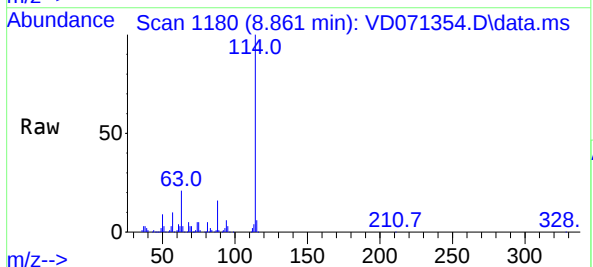
Tgt Ion:114 Resp: 520316

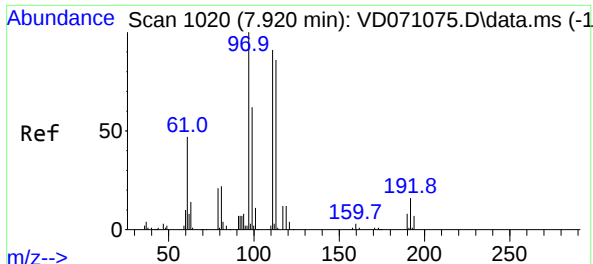
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.8

88 15.8 0.0 32.8

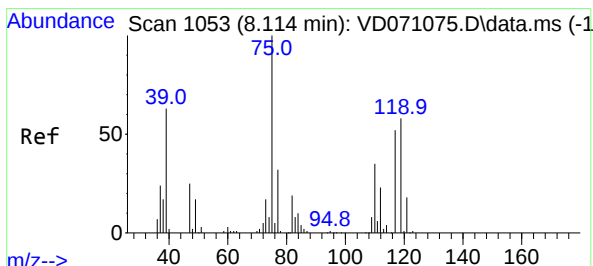
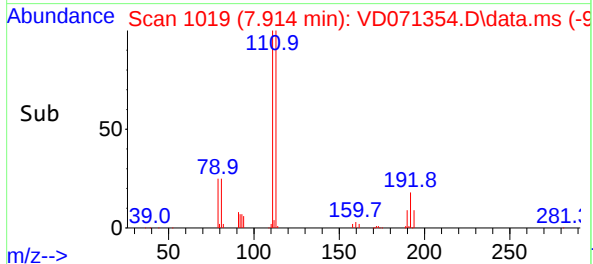
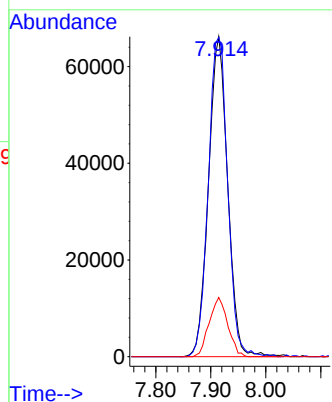
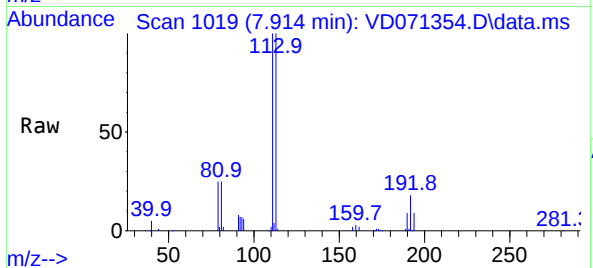




#35
Dibromofluoromethane
Concen: 48.383 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

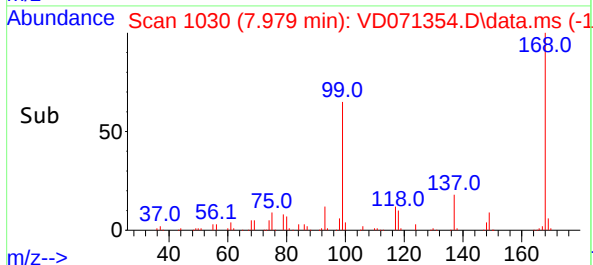
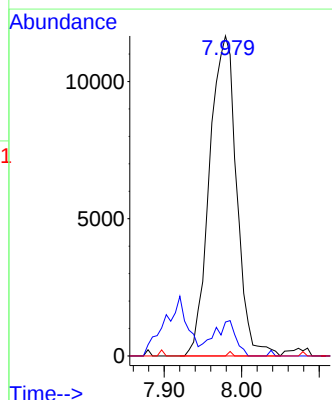
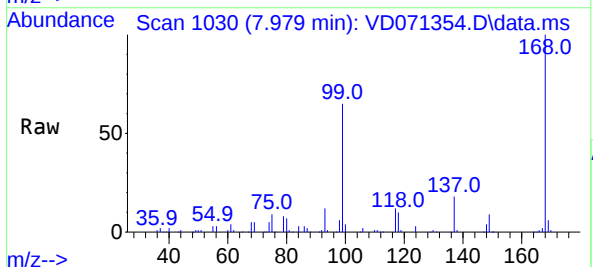
Instrument :
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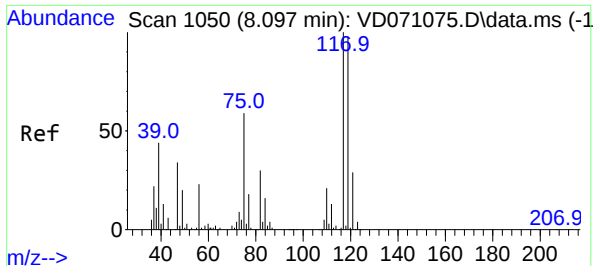
Tgt Ion:113 Resp: 160309
Ion Ratio Lower Upper
113 100
111 100.8 82.0 123.0
192 18.0 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.806 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

Tgt Ion: 75 Resp: 28237
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.4#
77 0.2 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.828 ug/l

RT: 7.979 min Scan# 1050

Delta R.T. -0.118 min

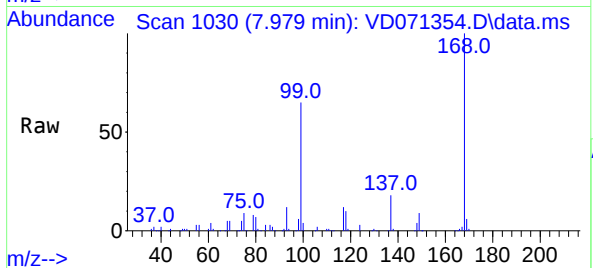
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Acq: 15 Dec 2021 20:38

Instrument :

MSVOA_D

ClientSampleId :



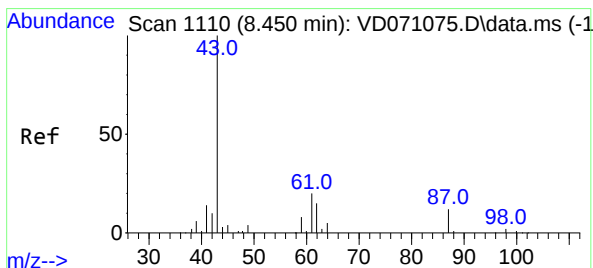
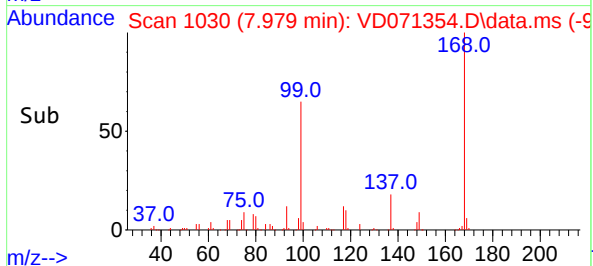
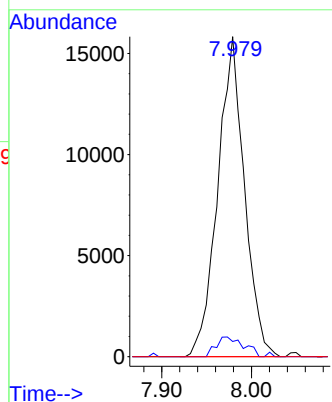
Tgt Ion:117 Resp: 32732

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

121 0.0 23.6 35.4#



#43

Isopropyl Acetate

Concen: 5.241 ug/l

RT: 8.450 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VD071354.D

Acq: 15 Dec 2021 20:38

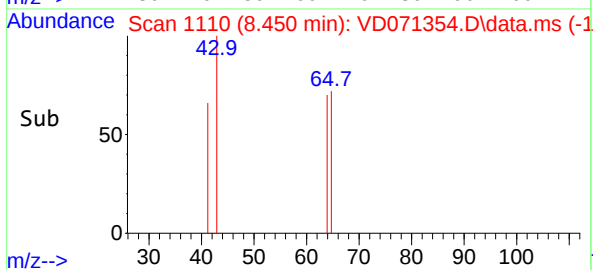
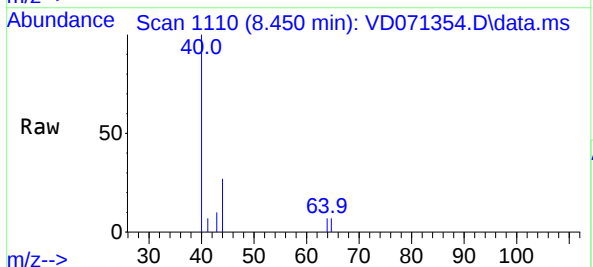
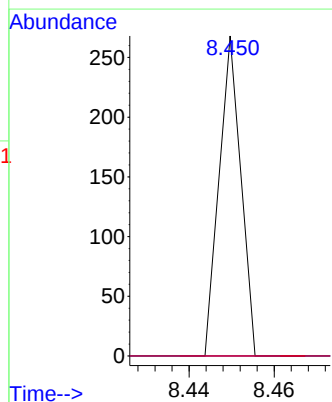
Tgt Ion: 43 Resp: 95

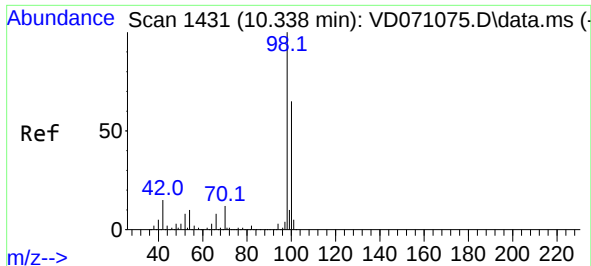
Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#

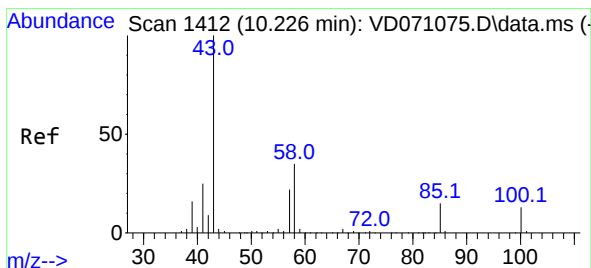
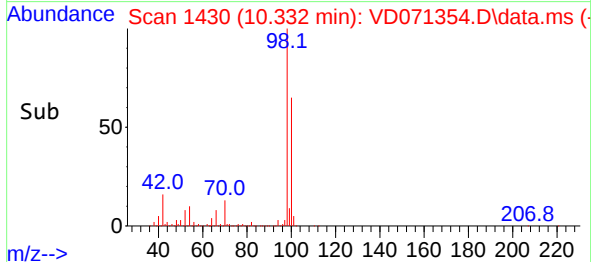
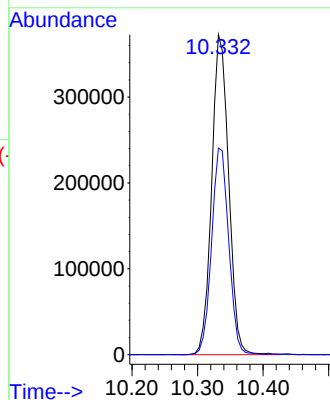
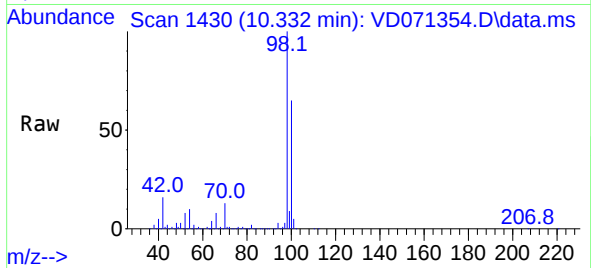




#50
Toluene-d8
Concen: 53.051 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

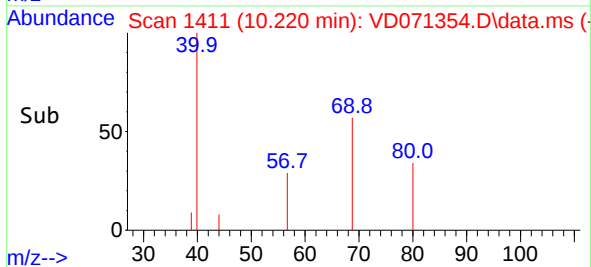
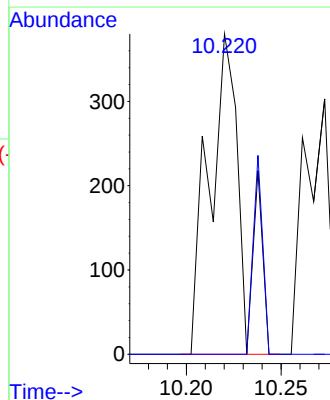
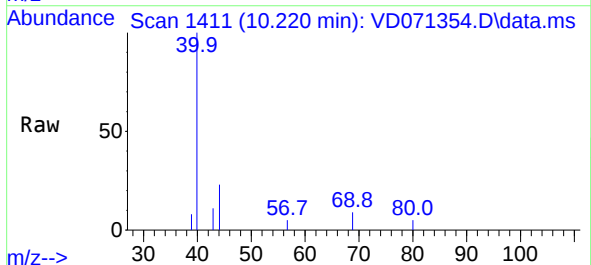
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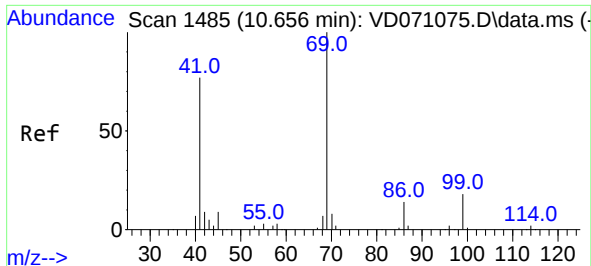
Tgt Ion: 98 Resp: 668915
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.823 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

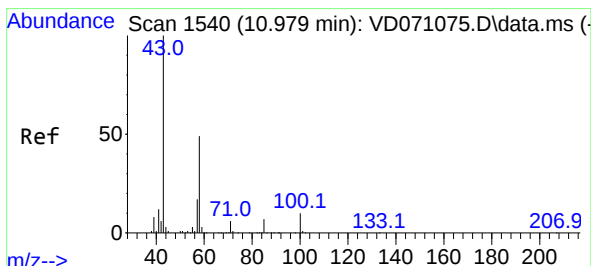
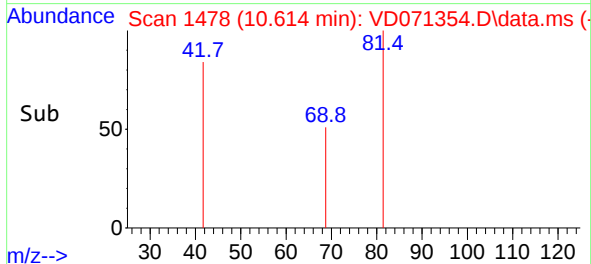
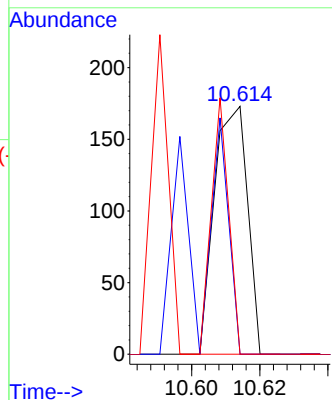
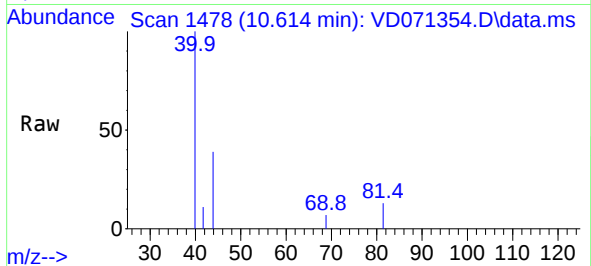




#56
Ethyl methacrylate
Concen: 6.000 ug/l
RT: 10.614 min Scan# 1485
Delta R.T. -0.042 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

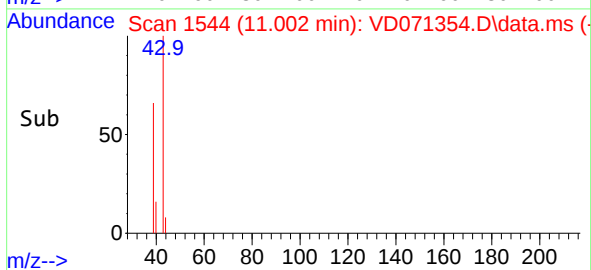
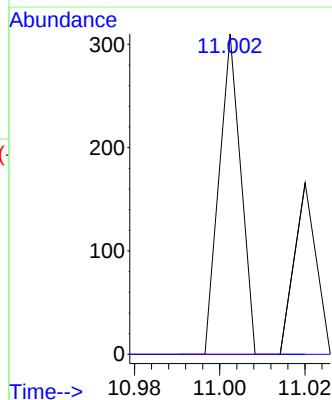
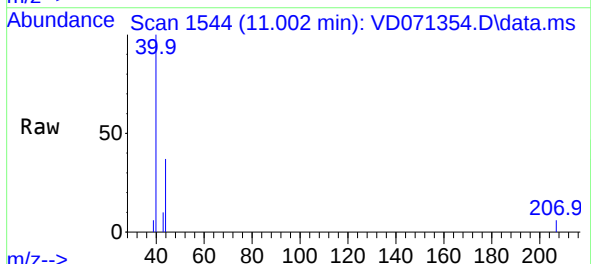
Instrument :
MSVOA_D
ClientSampleId :

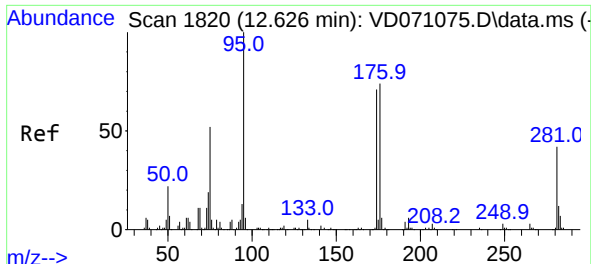
Tgt Ion: 69 Resp: 116
Ion Ratio Lower Upper
69 100
41 96.6 50.2 75.2#
39 54.3 19.8 29.8#



#59
2-Hexanone
Concen: 34.627 ug/l
RT: 11.002 min Scan# 1544
Delta R.T. 0.023 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

Tgt Ion: 43 Resp: 109
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

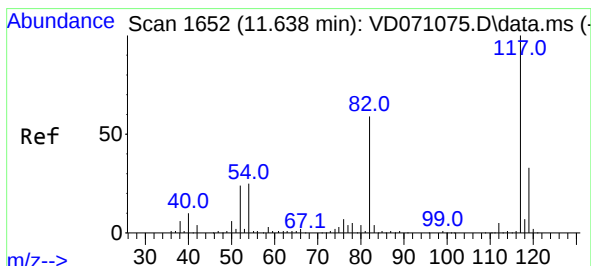
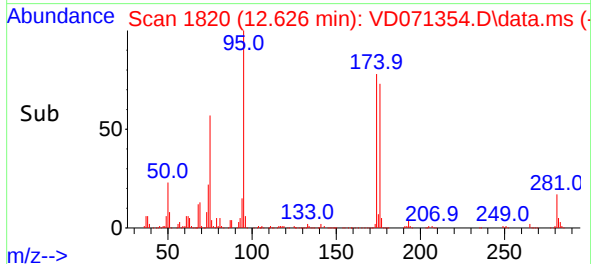
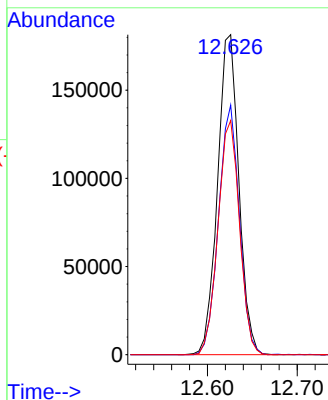
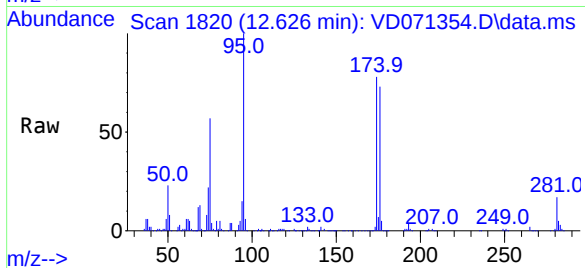




#62
4-Bromofluorobenzene
Concen: 68.439 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

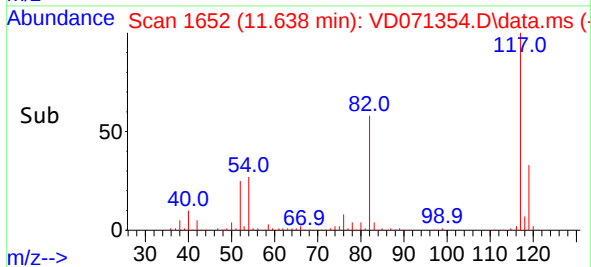
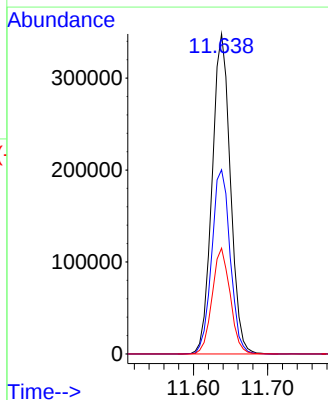
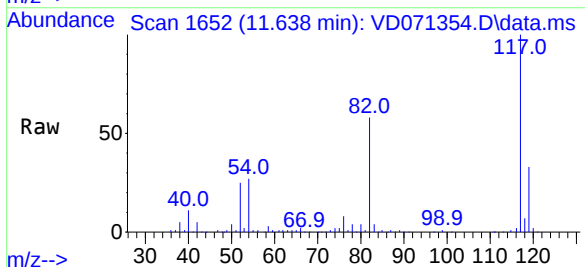
Instrument :
MSVOA_D
ClientSampleId :

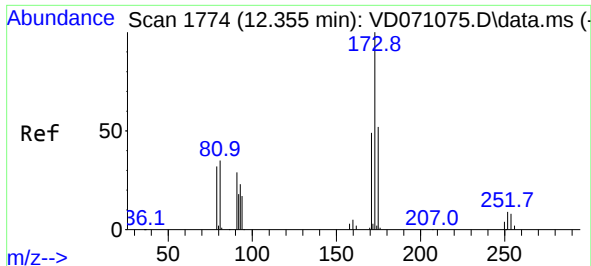
Tgt Ion: 95 Resp: 299127
Ion Ratio Lower Upper
95 100
174 76.3 0.0 159.4
176 73.8 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

Tgt Ion: 117 Resp: 595389
Ion Ratio Lower Upper
117 100
82 57.5 44.7 67.1
119 33.0 26.2 39.4

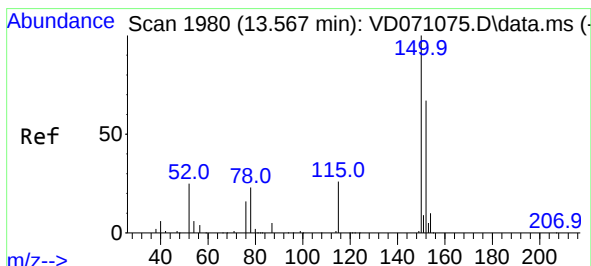
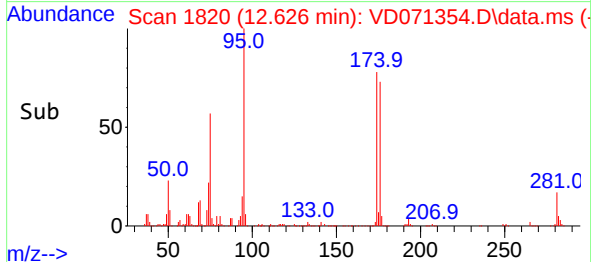
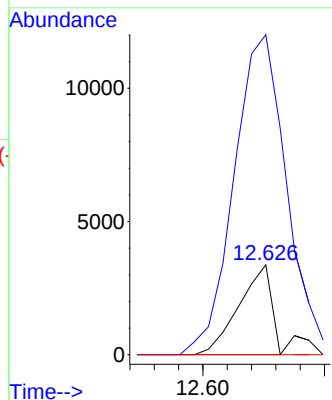
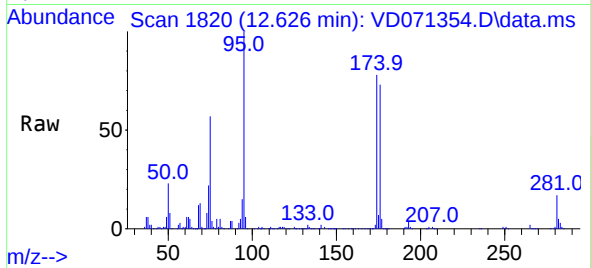




#71
Bromoform
Concen: 1.487 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

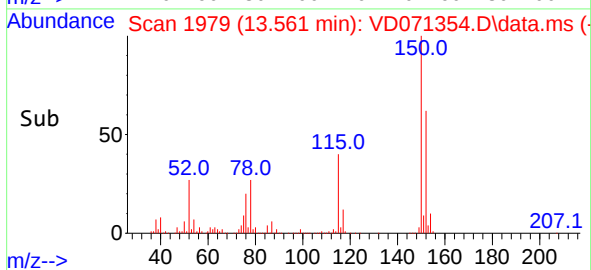
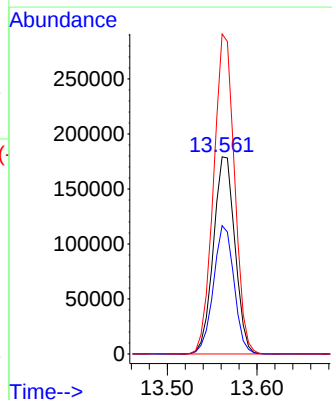
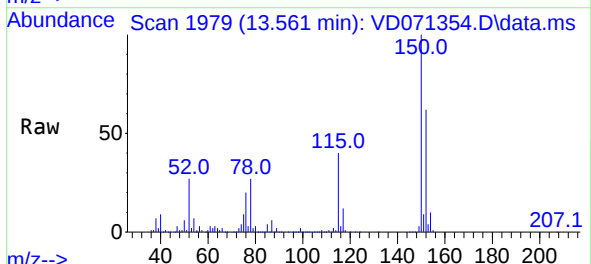
Instrument :
MSVOA_D
ClientSampleId :

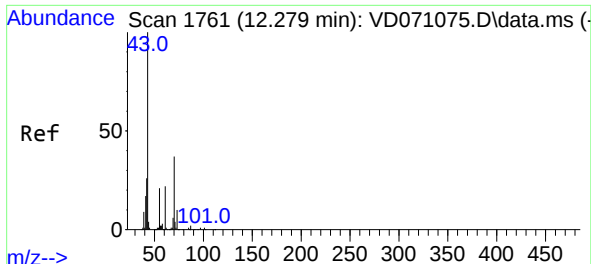
Tgt Ion:173 Resp: 3108
Ion Ratio Lower Upper
173 100
175 505.2 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

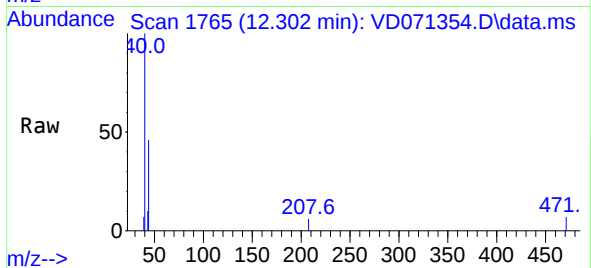
Tgt Ion:152 Resp: 299118
Ion Ratio Lower Upper
152 100
115 62.3 29.8 89.3
150 158.0 0.0 349.2



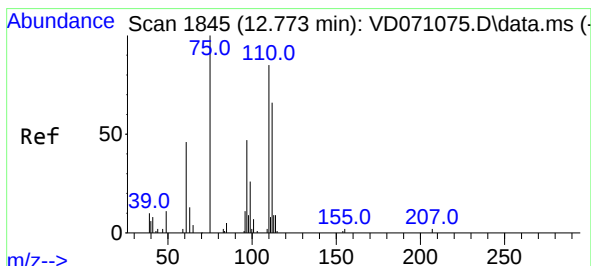
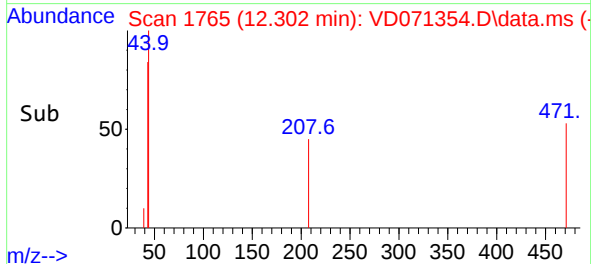
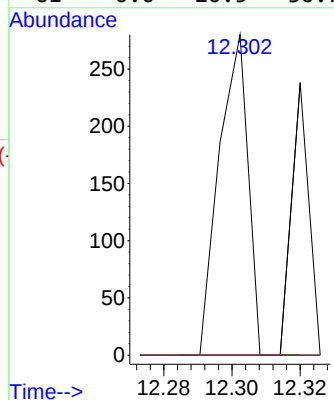


#74
N-amy1 acetate
Concen: 5.726 ug/l
RT: 12.302 min Scan# 11
Delta R.T. 0.023 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

Instrument :
MSVOA_D
ClientSampleId :

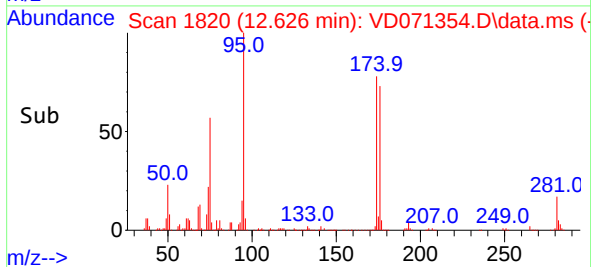
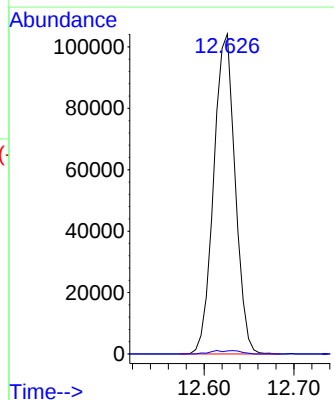
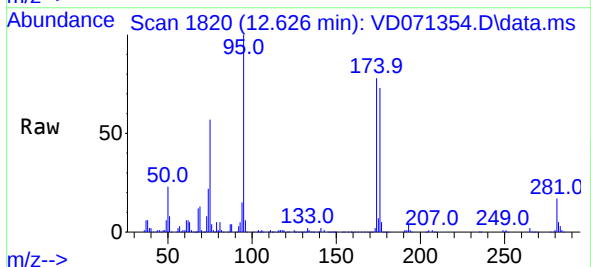


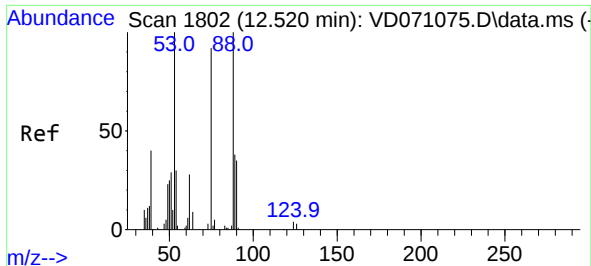
Tgt Ion:	43	Resp:	164
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	0.0	22.5	33.7#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 60.634 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071354.D
Acq: 15 Dec 2021 20:38

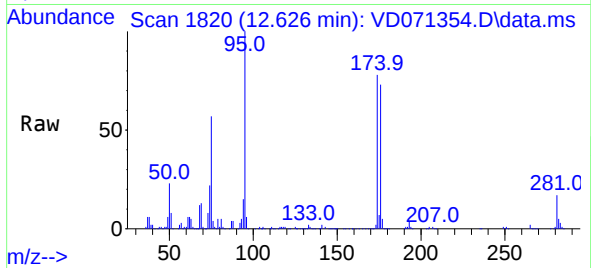
Tgt Ion:	75	Resp:	172798
Ion	Ratio	Lower	Upper
75	100		
77	0.6	158.4	475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.216 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071354.D
 Acq: 15 Dec 2021 20:38

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 172798
 Ion Ratio Lower Upper
 75 100
 53 0.2 62.6 94.0#
 89 0.3 34.5 51.7#

