

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071339.D
 Acq On : 15 Dec 2021 13:36
 Operator : VA/SY
 Sample : M5064-01RE
 Misc : 5.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:27:11 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)

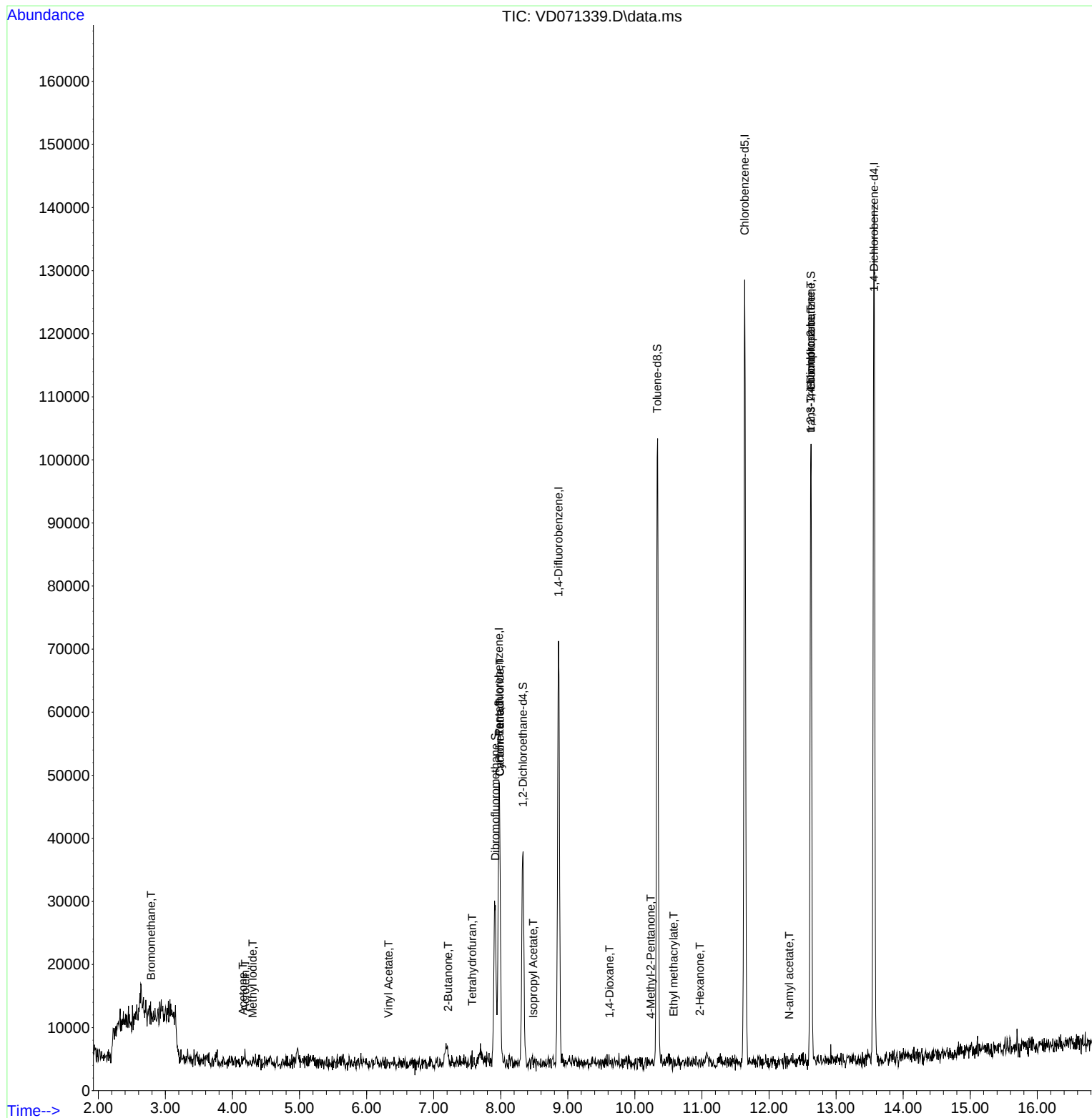
Internal Standards						
1) Pentafluorobenzene	7.973	168	31380	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.861	114	50665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	64319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	32362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	26094	70.868	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.740%	
35) Dibromofluoromethane	7.920	113	18377	56.960	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.920%	
50) Toluene-d8	10.332	98	64133	52.235	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.480%	
62) 4-Bromofluorobenzene	12.626	95	30452	71.552	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 143.100%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	431	1.514	ug/l #	53
10) Methyl Iodide	4.303	142	139	4.905	ug/l #	40
11) Tert butyl alcohol	5.226	59	216	Below Cal	#	71
13) Acrolein	4.191	56	132	5.246	ug/l #	13
16) Acetone	4.156	43	814	38.096	ug/l #	74
20) Methylene Chloride	4.956	84	471	Below Cal	#	58
23) Vinyl Acetate	6.326	43	88	27.349	ug/l #	72
25) 2-Butanone	7.214	43	434	31.766	ug/l #	45
29) Tetrahydrofuran	7.573	42	80	1.368	ug/l #	34
31) Cyclohexane	7.985	56	1145	1.828	ug/l #	54
38) Carbon Tetrachloride	7.985	117	3172	6.795	ug/l #	12
41) Methacrylonitrile	7.514	41	218	Below Cal	#	31
43) Isopropyl Acetate	8.485	43	100	5.422	ug/l #	47
49) 1,4-Dioxane	9.620	88	60	35.418	ug/l #	1
51) 4-Methyl-2-Pentanone	10.238	43	76	30.941	ug/l #	34
56) Ethyl methacrylate	10.579	69	55	6.116	ug/l #	28
59) 2-Hexanone	10.967	43	56	34.852	ug/l #	22
74) N-amyl acetate	12.302	43	81	5.813	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	18070	58.606	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	18070	127.020	ug/l #	18

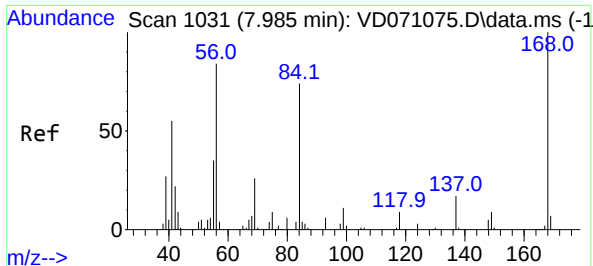
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
Data File : VD071339.D
Acq On : 15 Dec 2021 13:36
Operator : VA/SY
Sample : M5064-01RE
Misc : 5.33G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 16 04:27:11 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

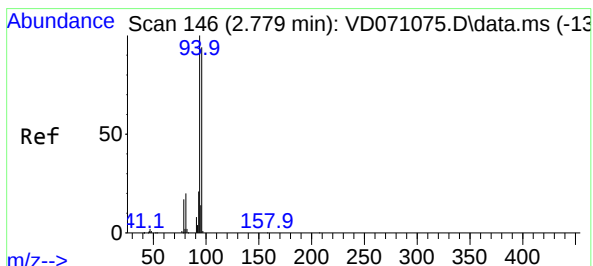
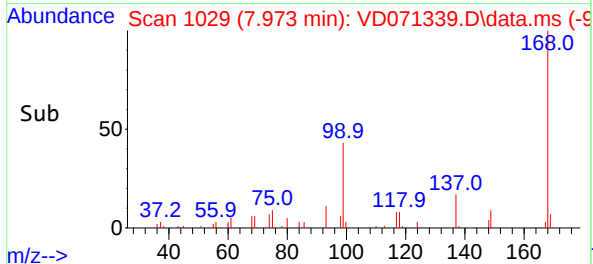
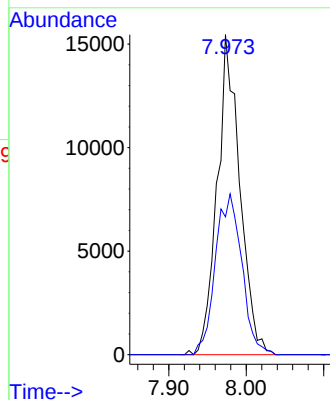
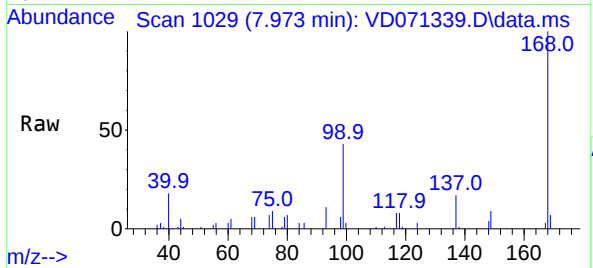




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

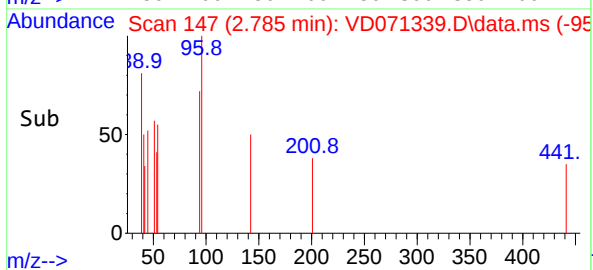
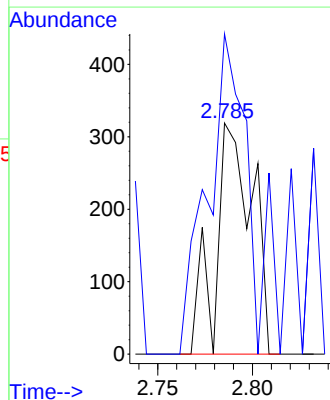
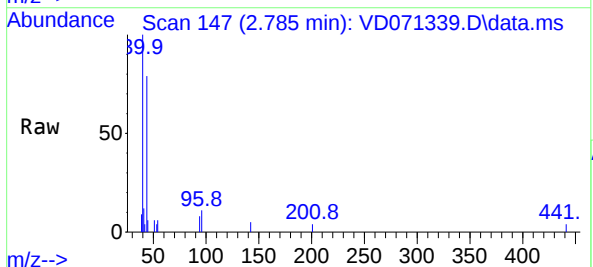
Instrument :
MSVOA_D
ClientSampleId :

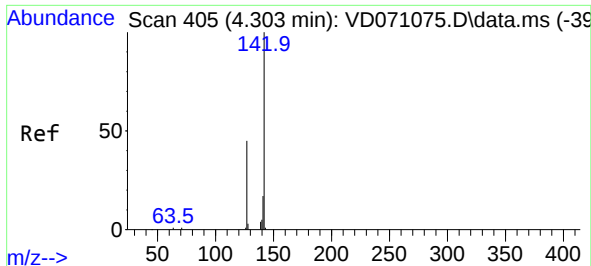
Tgt Ion:168 Resp: 31380
Ion Ratio Lower Upper
168 100
99 43.0 46.6 69.8#



#5
Bromomethane
Concen: 1.514 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.006 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

Tgt Ion: 94 Resp: 431
Ion Ratio Lower Upper
94 100
96 138.6 74.8 112.2#

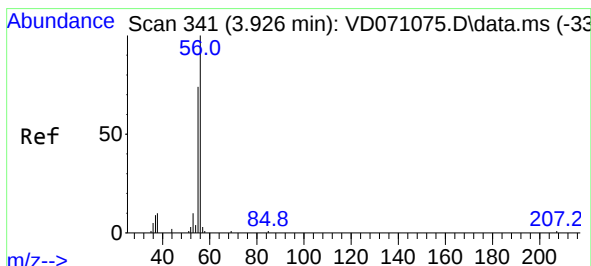
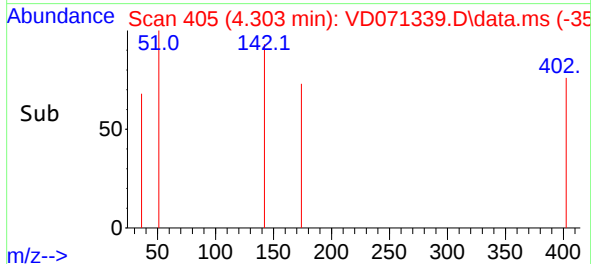
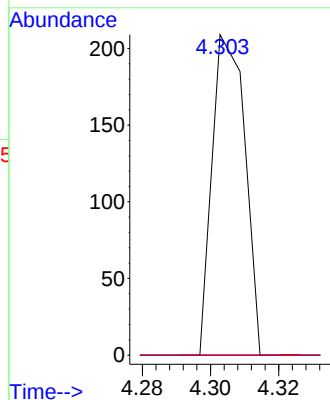
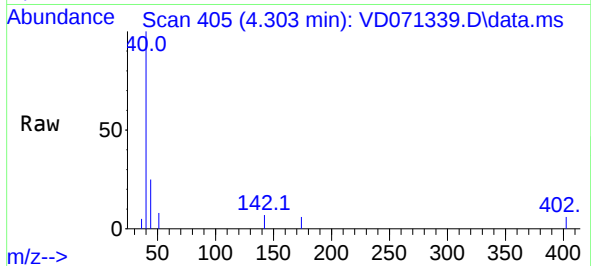




#10
Methyl Iodide
Concen: 4.905 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

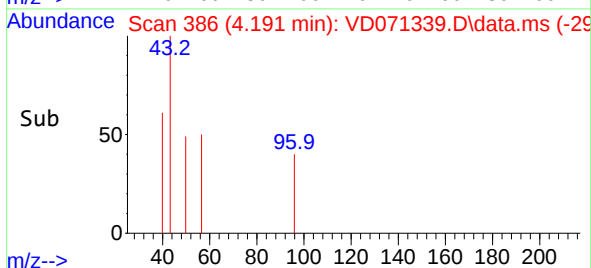
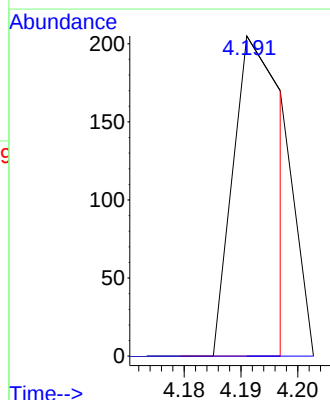
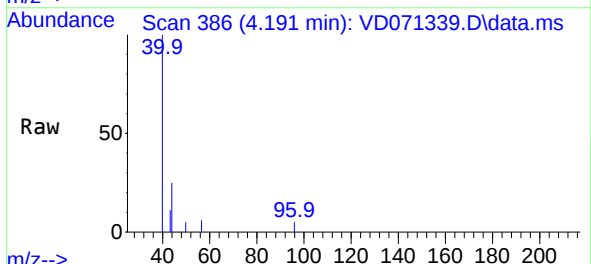
Instrument :
MSVOA_D
ClientSampleId :

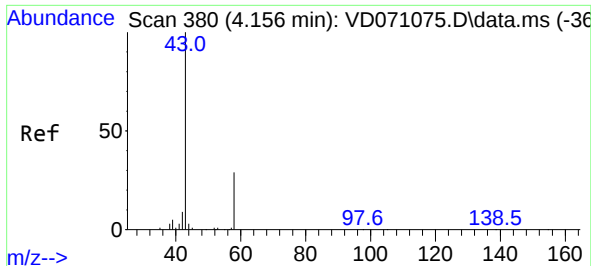
Tgt Ion:142 Resp: 139
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 5.246 ug/l
RT: 4.191 min Scan# 386
Delta R.T. 0.265 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

Tgt Ion: 56 Resp: 132
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

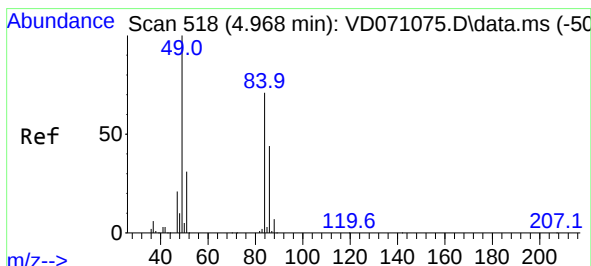
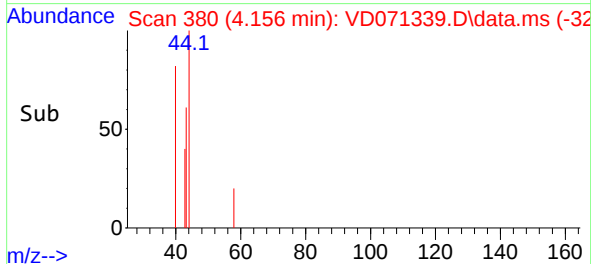
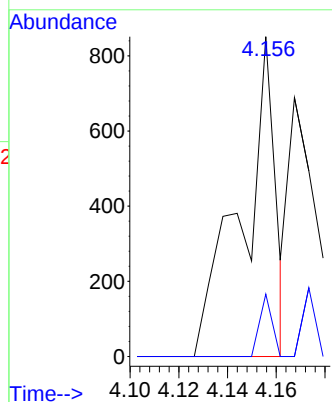
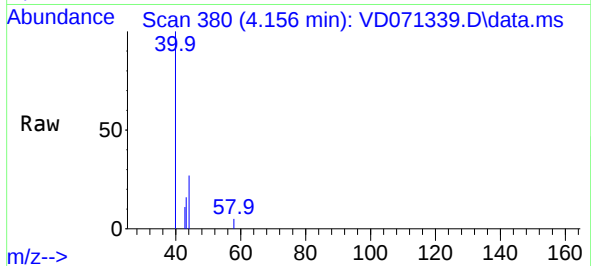




#16
Acetone
Concen: 38.096 ug/l
RT: 4.156 min Scan# 314
Delta R.T. -0.000 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

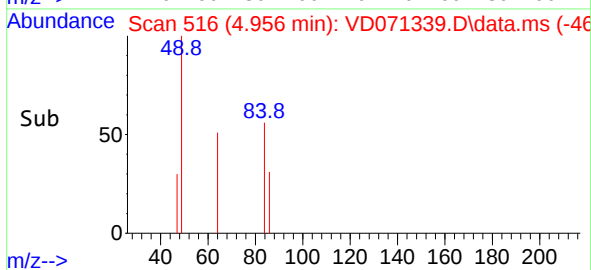
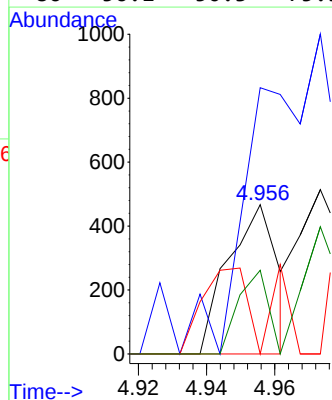
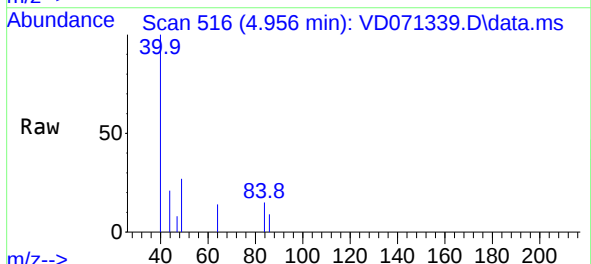
Instrument :
MSVOA_D
ClientSampleId :

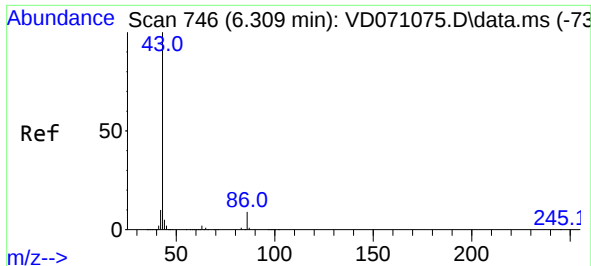
Tgt Ion: 43 Resp: 814
Ion Ratio Lower Upper
43 100
58 19.5 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.012 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

Tgt Ion: 84 Resp: 471
Ion Ratio Lower Upper
84 100
49 178.4 95.8 143.6#
51 0.0 30.9 46.3#
86 56.1 50.3 75.5

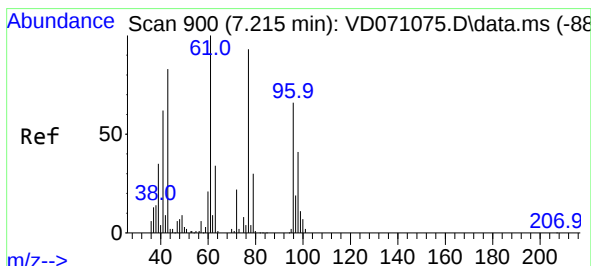
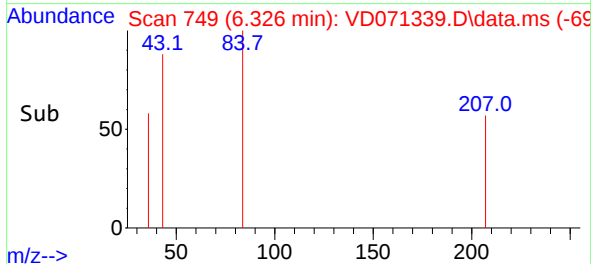
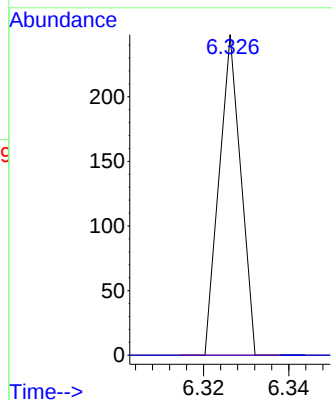
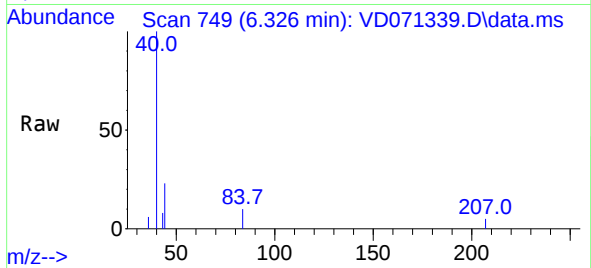




#23
 Vinyl Acetate
 Concen: 27.349 ug/l
 RT: 6.326 min Scan# 746
 Delta R.T. 0.017 min
 Lab File: VD071339.D
 Acq: 15 Dec 2021 13:36

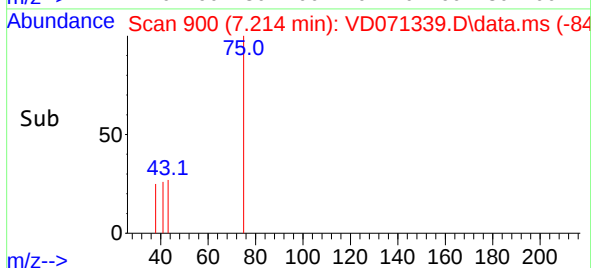
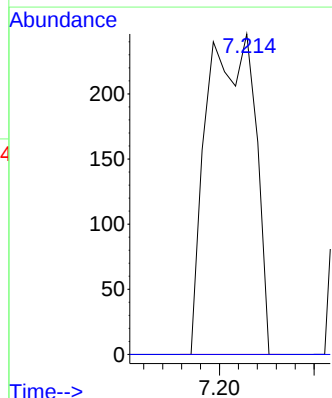
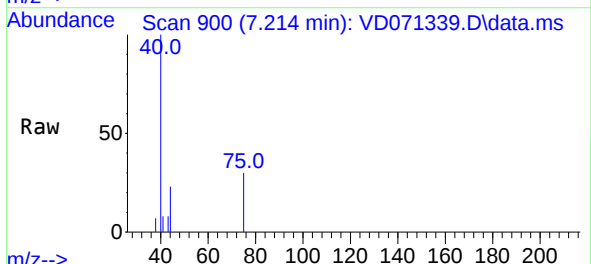
Instrument :
 MSVOA_D
 ClientSampleId :

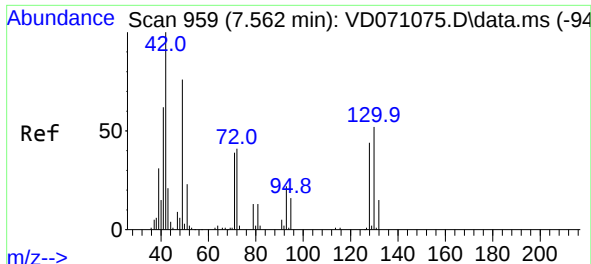
Tgt Ion: 43 Resp: 88
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 31.766 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.001 min
 Lab File: VD071339.D
 Acq: 15 Dec 2021 13:36

Tgt Ion: 43 Resp: 434
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 1.368 ug/l

RT: 7.573 min Scan# 90

Delta R.T. 0.011 min

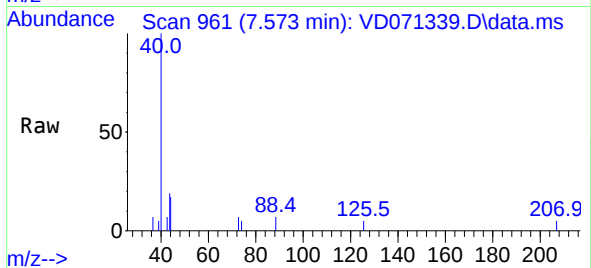
Lab File: VD071339.D

Acq: 15 Dec 2021 13:36

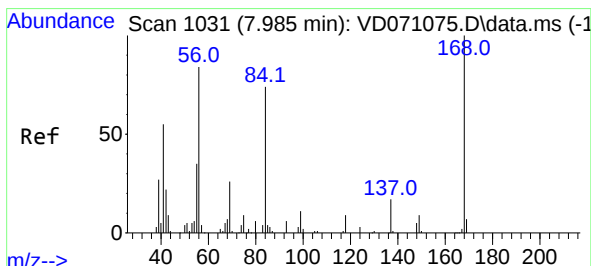
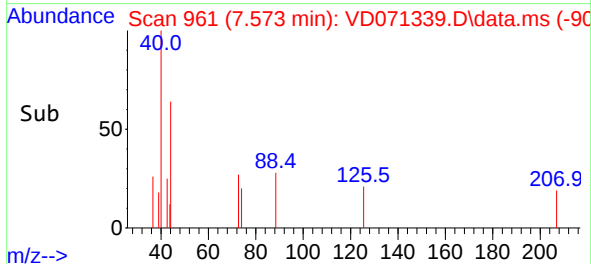
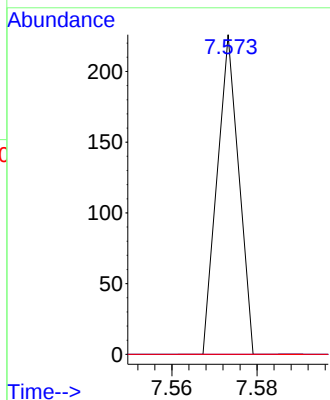
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	80
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	32.7	49.1#



#31

Cyclohexane

Concen: 1.828 ug/l

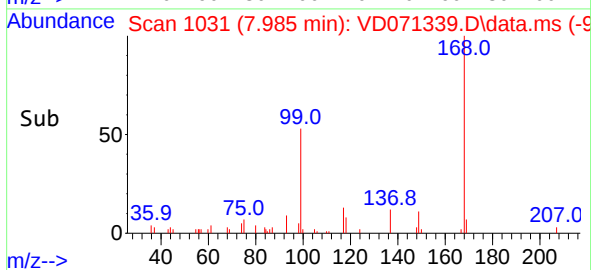
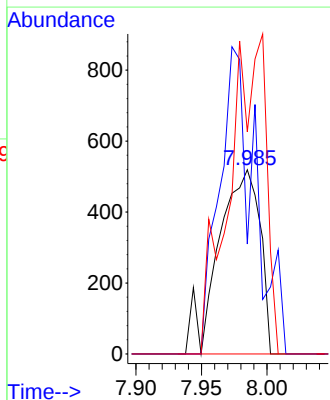
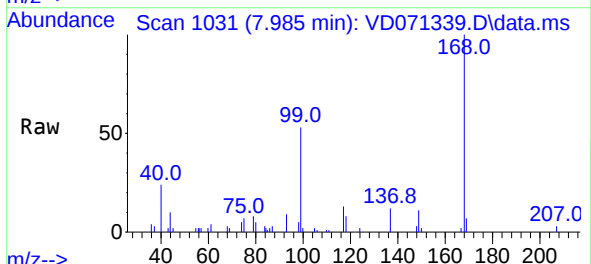
RT: 7.985 min Scan# 1031

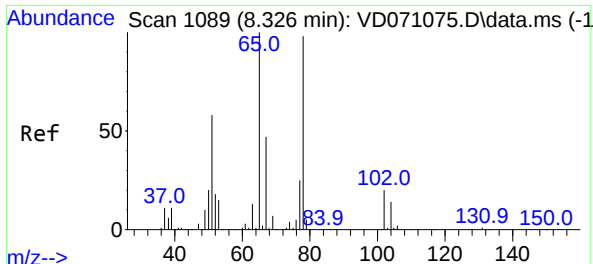
Delta R.T. -0.000 min

Lab File: VD071339.D

Acq: 15 Dec 2021 13:36

Tgt Ion:	56	Resp:	1145
Ion	Ratio	Lower	Upper
56	100		
69	59.7	25.9	38.9#
84	120.6	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 70.868 ug/l

RT: 8.332 min Scan# 110

Delta R.T. 0.006 min

Lab File: VD071339.D

Acq: 15 Dec 2021 13:36

Instrument :

MSVOA_D

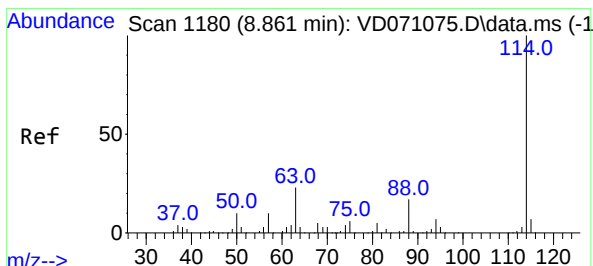
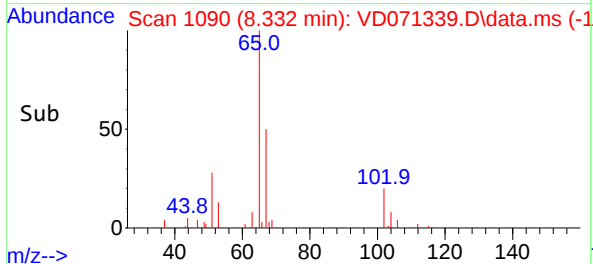
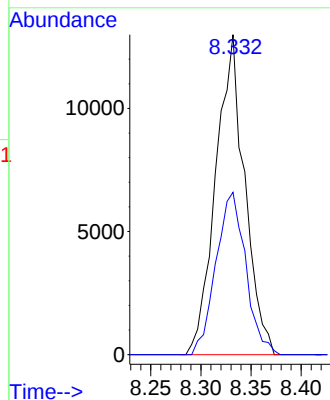
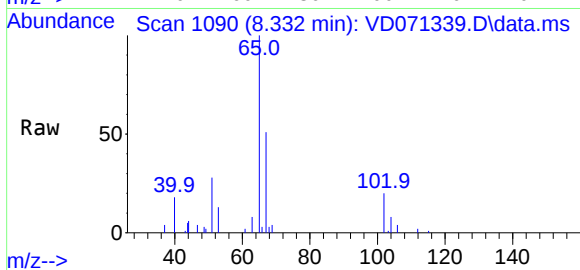
ClientSampleId :

Tgt Ion: 65 Resp: 26094

Ion Ratio Lower Upper

65 100

67 52.2 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: VD071339.D

Acq: 15 Dec 2021 13:36

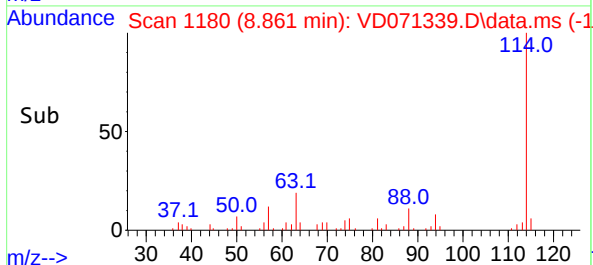
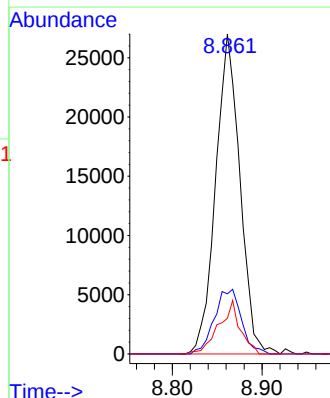
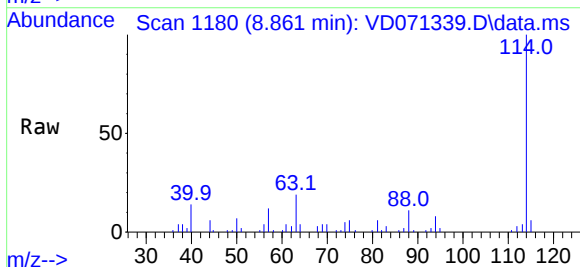
Tgt Ion: 114 Resp: 50665

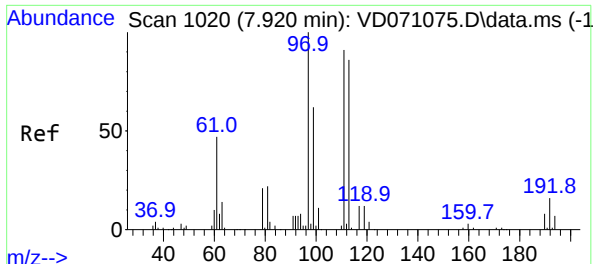
Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.8

88 11.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 56.960 ug/l

RT: 7.920 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VD071339.D

Acq: 15 Dec 2021 13:36

Instrument :

MSVOA_D

ClientSampleId :

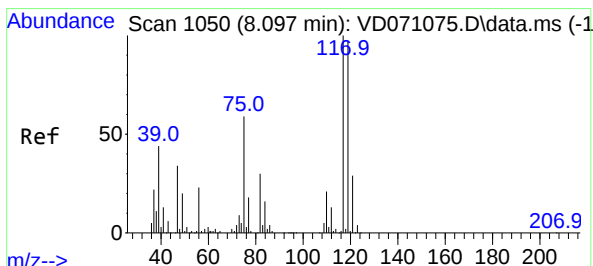
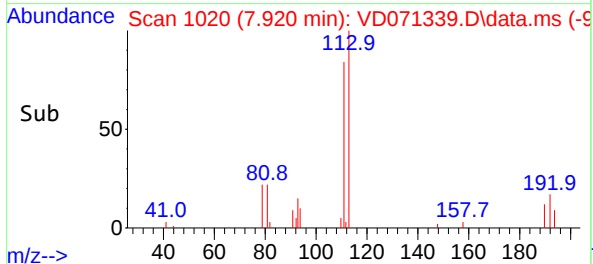
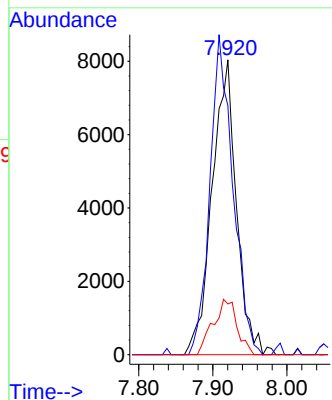
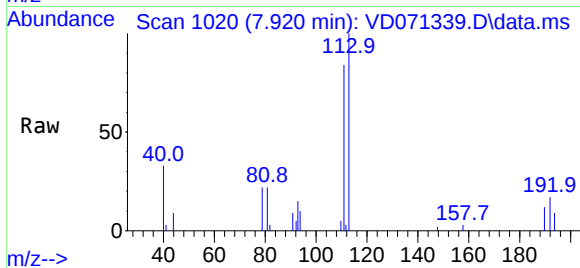
Tgt Ion:113 Resp: 18377

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

192 18.4 15.2 22.8



#38

Carbon Tetrachloride

Concen: 6.795 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.112 min

Lab File: VD071339.D

Acq: 15 Dec 2021 13:36

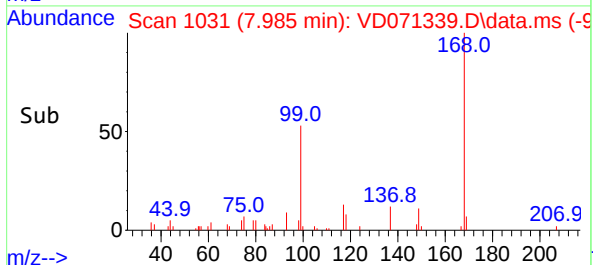
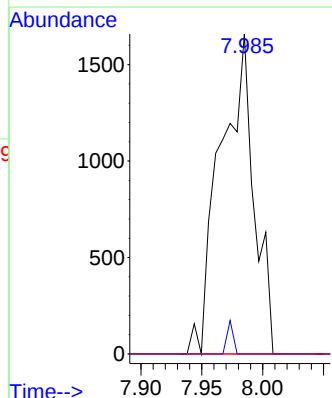
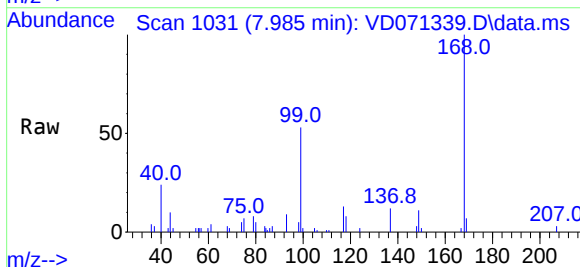
Tgt Ion:117 Resp: 3172

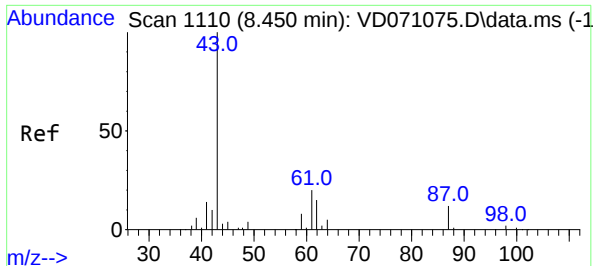
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 23.6 35.4#

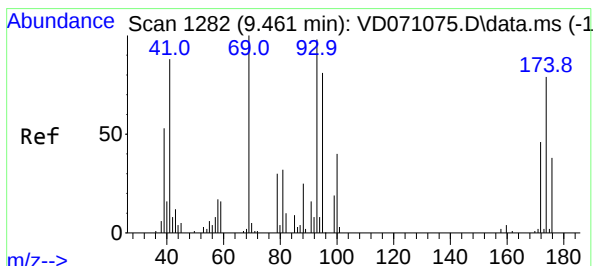
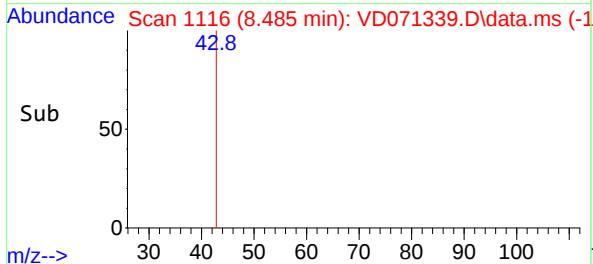
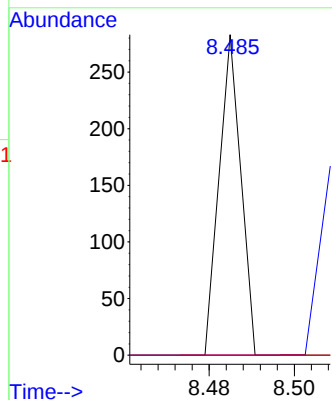
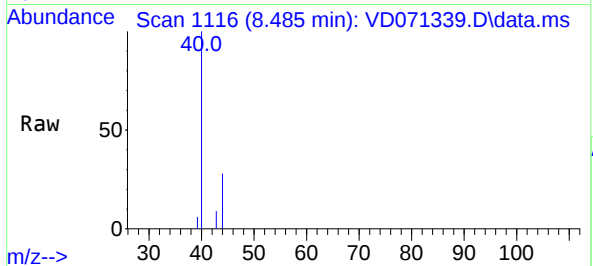




#43
Isopropyl Acetate
Concen: 5.422 ug/l
RT: 8.485 min Scan# 1110
Delta R.T. 0.035 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

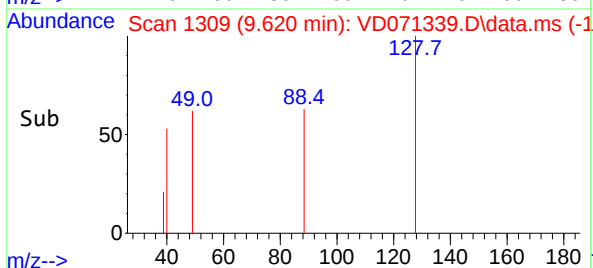
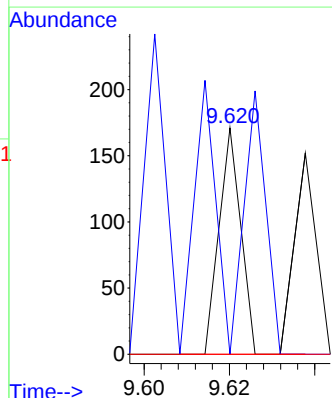
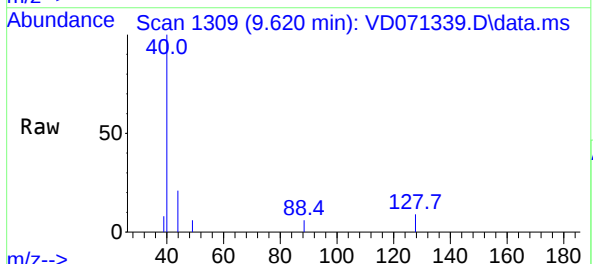
Instrument :
MSVOA_D
ClientSampleId :

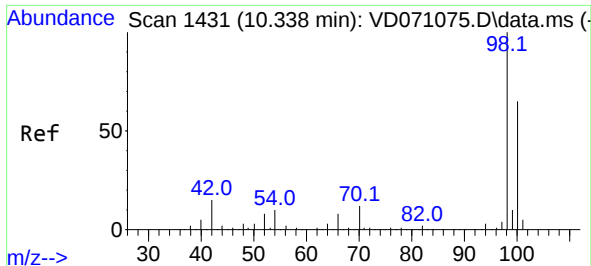
Tgt Ion: 43 Resp: 100
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#49
1,4-Dioxane
Concen: 35.418 ug/l
RT: 9.620 min Scan# 1309
Delta R.T. 0.159 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 141.7 28.9 43.3#
58 0.0 56.3 84.5#

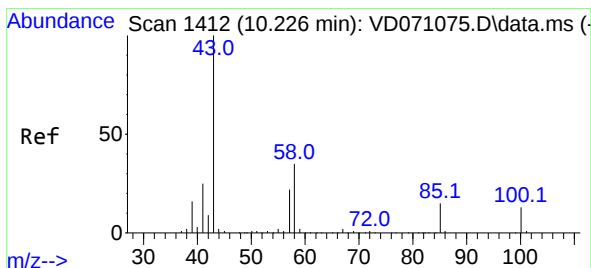
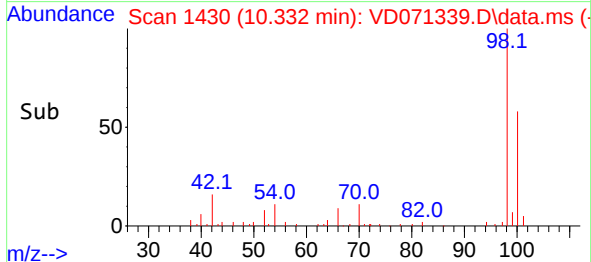
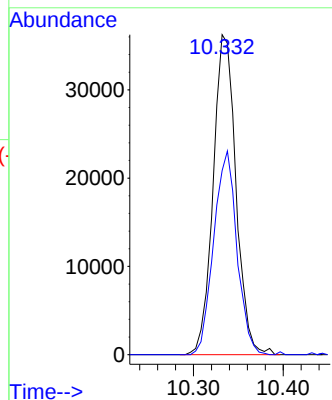
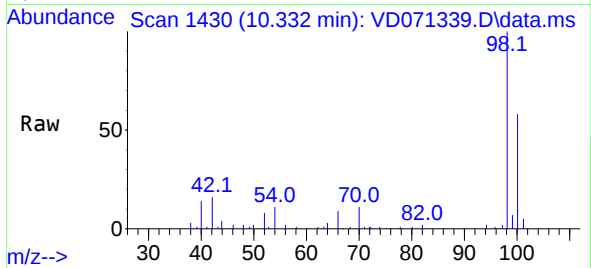




#50
Toluene-d8
Concen: 52.235 ug/l
RT: 10.332 min Scan# 1414
Delta R.T. -0.006 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

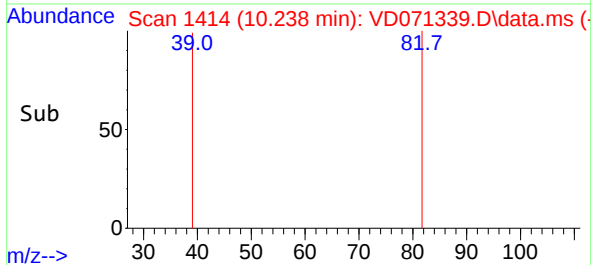
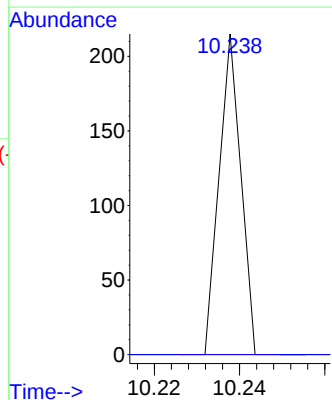
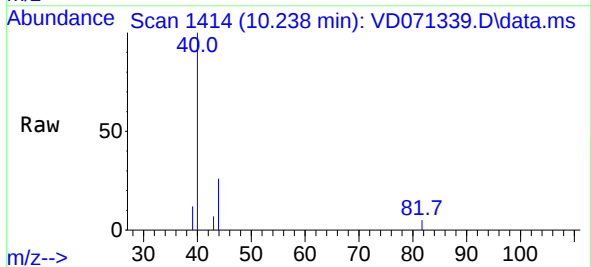
Instrument :
MSVOA_D
ClientSampleId :

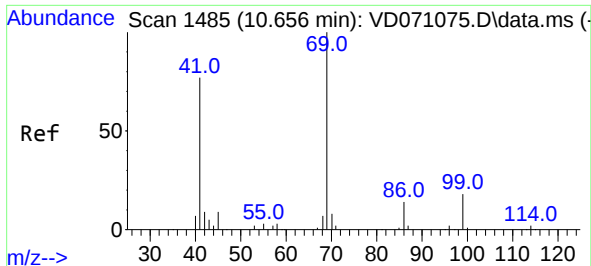
Tgt Ion: 98 Resp: 64133
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.941 ug/l
RT: 10.238 min Scan# 1414
Delta R.T. 0.012 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

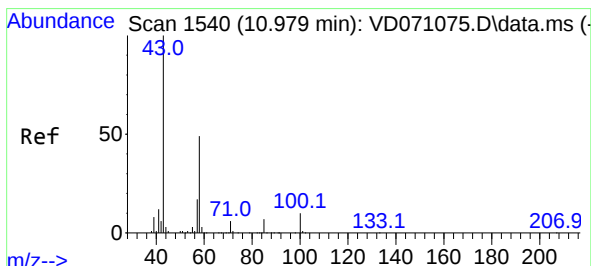
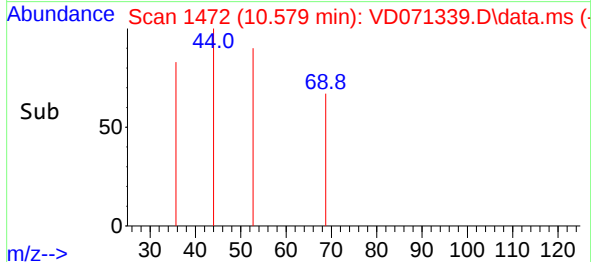
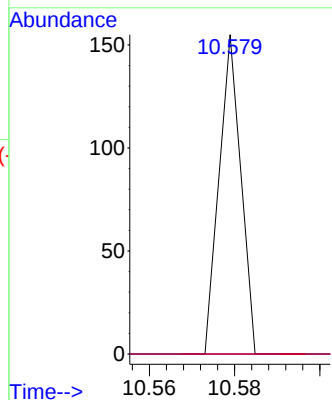
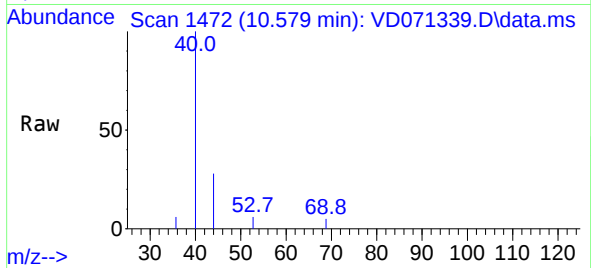




#56
Ethyl methacrylate
Concen: 6.116 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.077 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

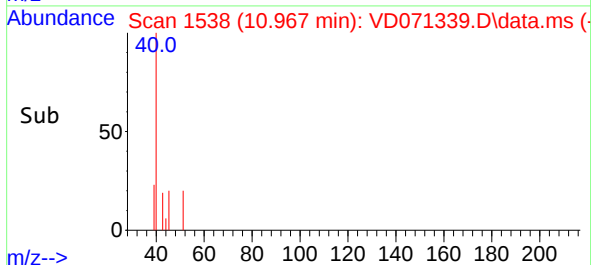
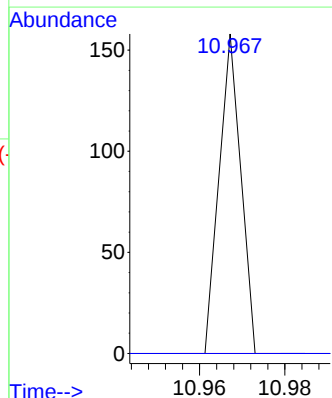
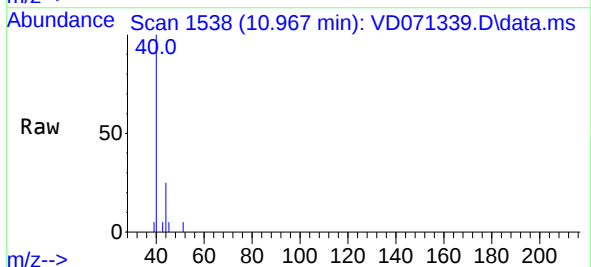
Instrument :
MSVOA_D
ClientSampleId :

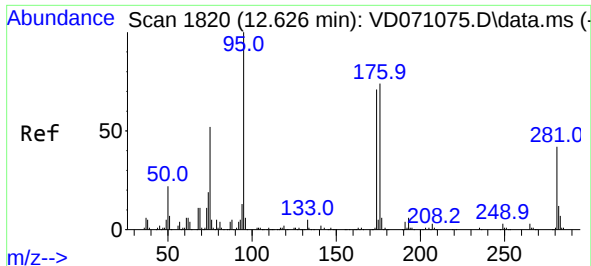
Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#



#59
2-Hexanone
Concen: 34.852 ug/l
RT: 10.967 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

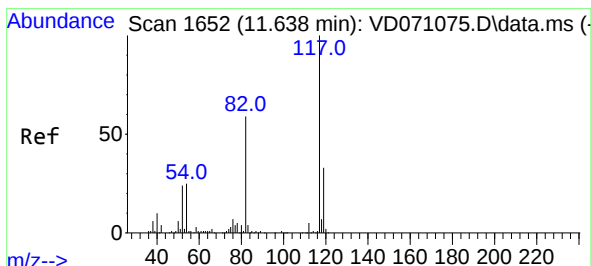
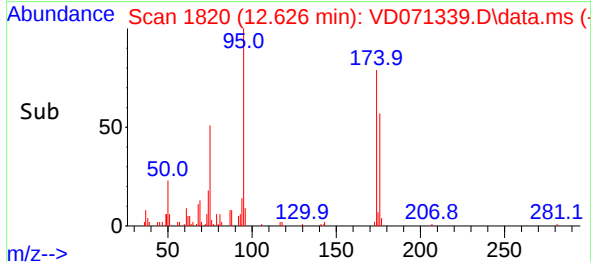
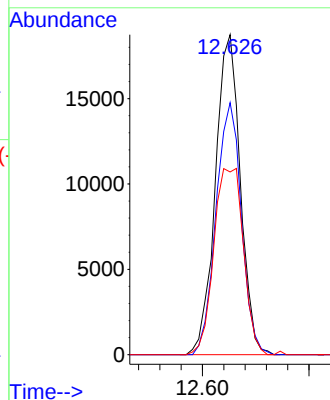
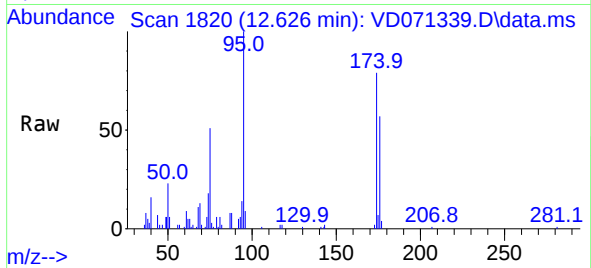




#62
4-Bromofluorobenzene
Concen: 71.552 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

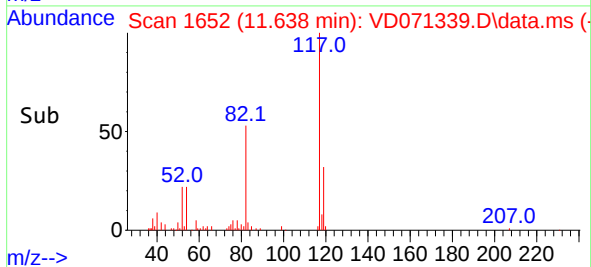
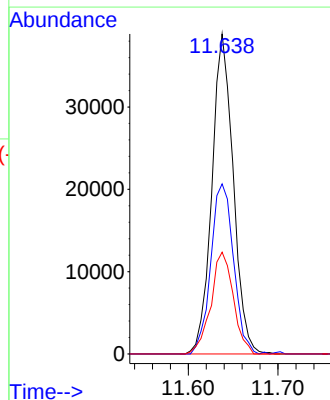
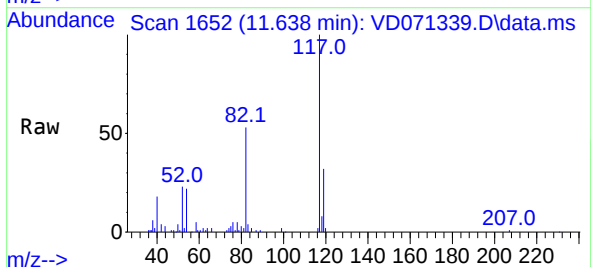
Instrument :
MSVOA_D
ClientSampleId :

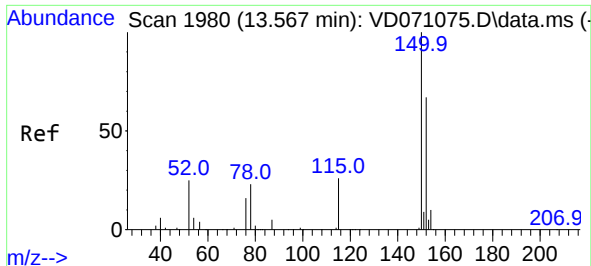
Tgt Ion: 95 Resp: 30452
Ion Ratio Lower Upper
95 100
174 80.0 0.0 159.4
176 69.0 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

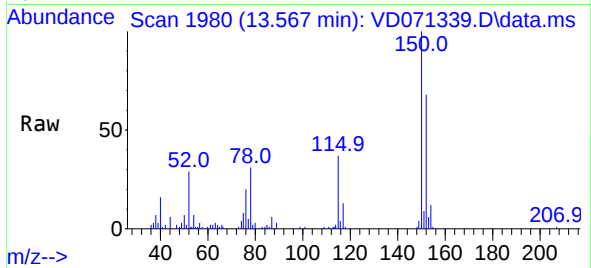
Tgt Ion: 117 Resp: 64319
Ion Ratio Lower Upper
117 100
82 53.1 44.7 67.1
119 31.8 26.2 39.4



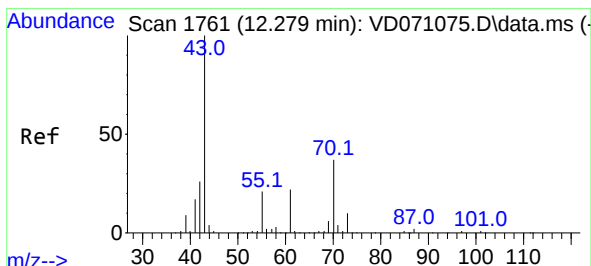
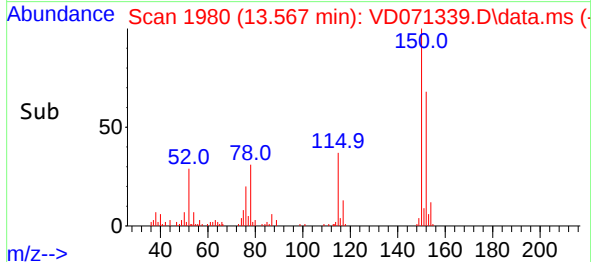
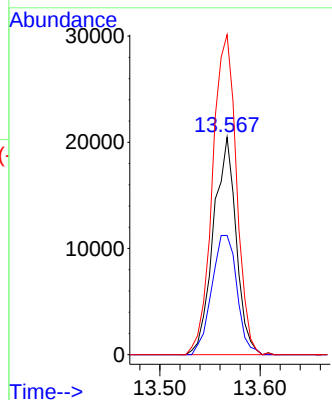


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

Instrument :
MSVOA_D
ClientSampleId :

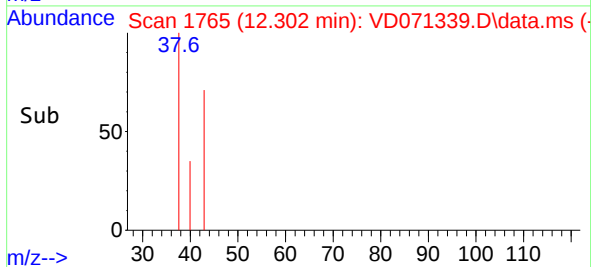
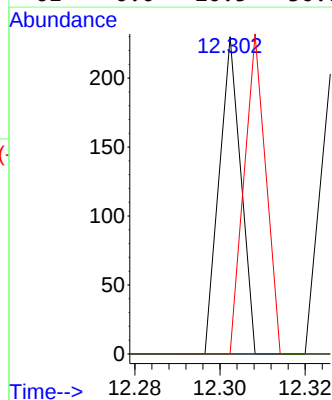
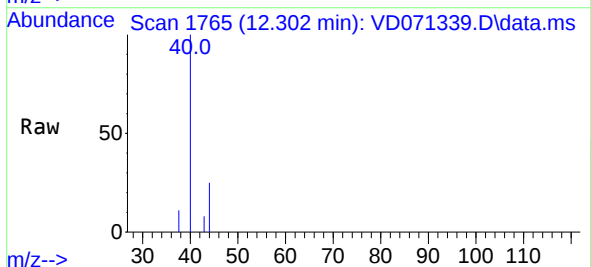


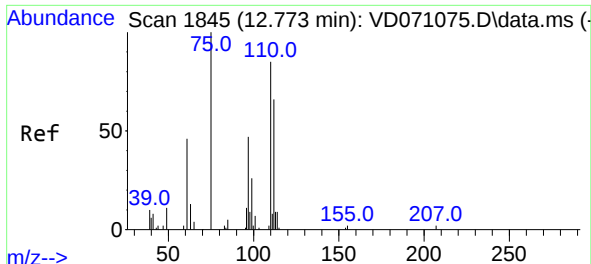
Tgt Ion:152 Resp: 32362
Ion Ratio Lower Upper
152 100
115 60.9 29.8 89.3
150 154.9 0.0 349.2



#74
N-ethyl acetate
Concen: 5.813 ug/l
RT: 12.302 min Scan# 1765
Delta R.T. 0.023 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

Tgt Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 101.2 22.5 33.7#
61 0.0 20.5 30.7#

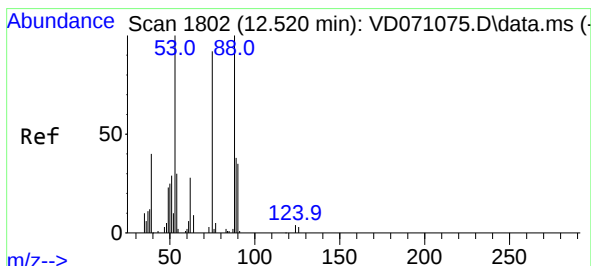
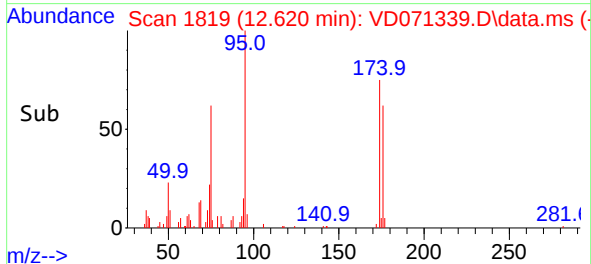
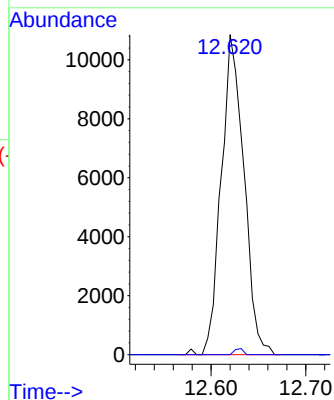
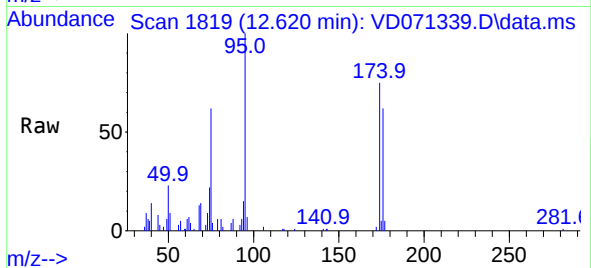




#76
1,2,3-Trichloropropane
Concen: 58.606 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 18070
Ion Ratio Lower Upper
75 100
77 0.7 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.020 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071339.D
Acq: 15 Dec 2021 13:36

Tgt Ion: 75 Resp: 18070
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

