

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
 Data File : VD071371.D
 Acq On : 16 Dec 2021 17:04
 Operator : VA/SY
 Sample : M5111-04
 Misc : 5.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 23:50:46 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)

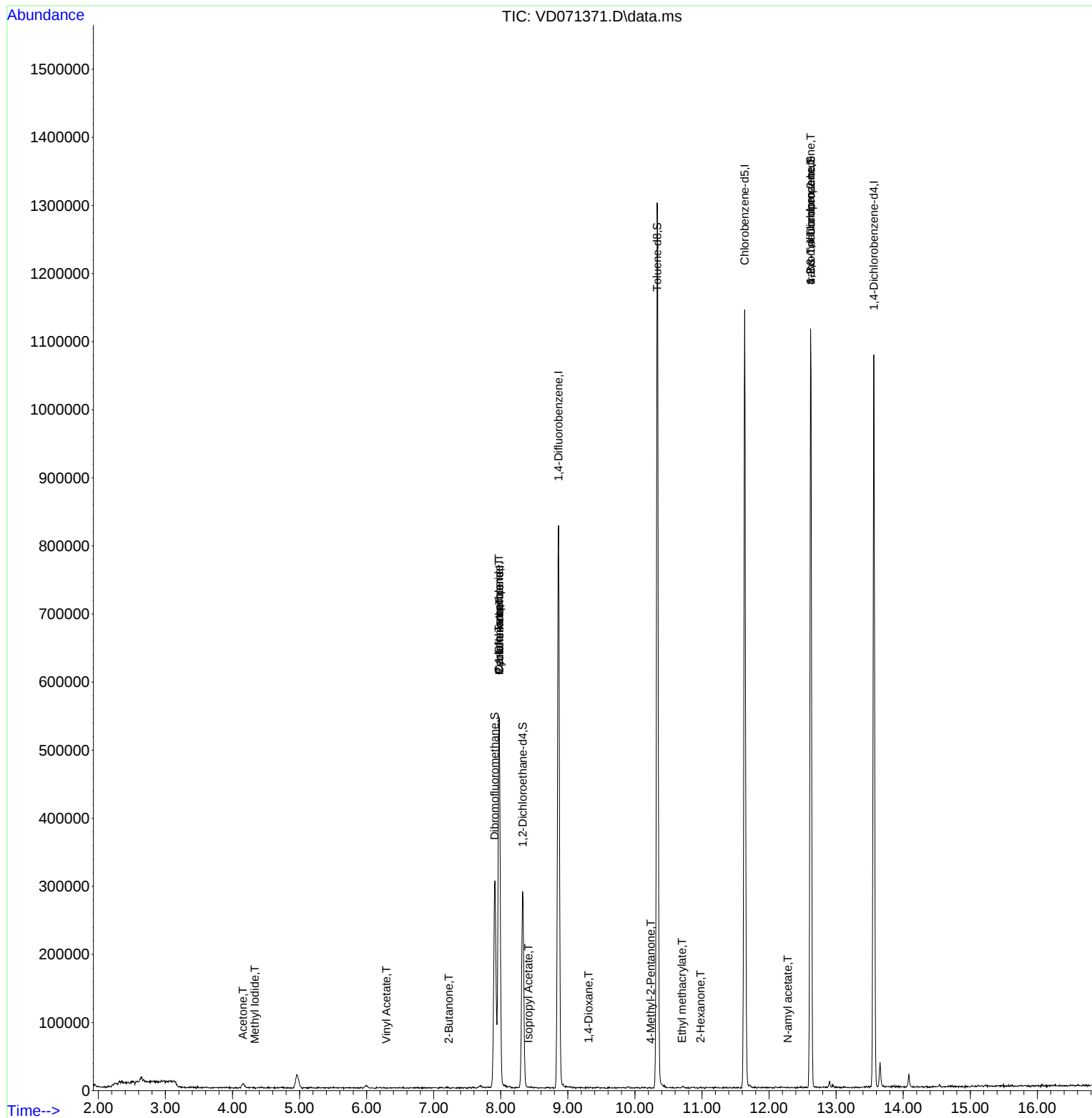
Internal Standards						
1) Pentafluorobenzene	7.979	168	379891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	660966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	586843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	250092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	232325	52.119	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.240%	
35) Dibromofluoromethane	7.908	113	214953	51.070	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.140%	
50) Toluene-d8	10.332	98	833801	52.056	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.120%	
62) 4-Bromofluorobenzene	12.620	95	260575	46.932	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.860%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.332	142	205	4.603	ug/l #	40
11) Tert butyl alcohol	5.208	59	79	Below Cal	#	71
16) Acetone	4.156	43	11393	39.236	ug/l #	83
20) Methylene Chloride	4.961	84	13960	Below Cal		89
23) Vinyl Acetate	6.297	43	143	27.236	ug/l #	72
25) 2-Butanone	7.226	43	541	28.710	ug/l #	45
31) Cyclohexane	7.979	56	11328	1.494	ug/l #	23
36) 1,1-Dichloropropene	7.973	75	35742	5.786	ug/l #	49
38) Carbon Tetrachloride	7.973	117	41681	6.845	ug/l #	17
41) Methacrylonitrile	7.491	41	54	Below Cal	#	12
43) Isopropyl Acetate	8.414	43	108	5.239	ug/l #	47
49) 1,4-Dioxane	9.308	88	100	4.525	ug/l #	1
51) 4-Methyl-2-Pentanone	10.238	43	557	30.814	ug/l #	34
56) Ethyl methacrylate	10.702	69	63	5.983	ug/l #	1
59) 2-Hexanone	10.979	43	120	34.620	ug/l #	22
74) N-amyl acetate	12.279	43	64	5.713	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	148571	62.352	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	148571	134.771	ug/l #	19

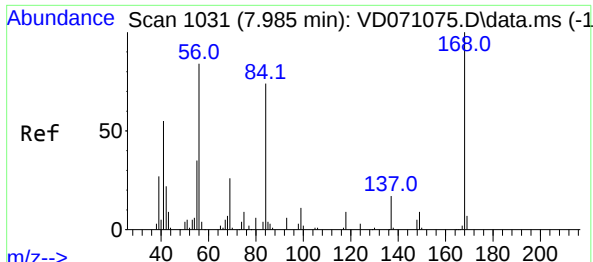
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
Data File : VD071371.D
Acq On : 16 Dec 2021 17:04
Operator : VA/SY
Sample : M5111-04
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

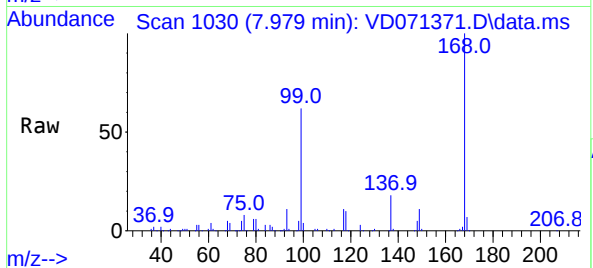
Quant Time: Dec 16 23:50:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



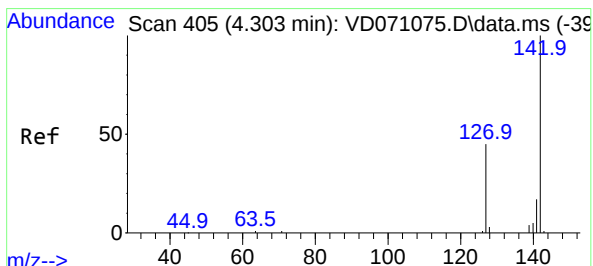
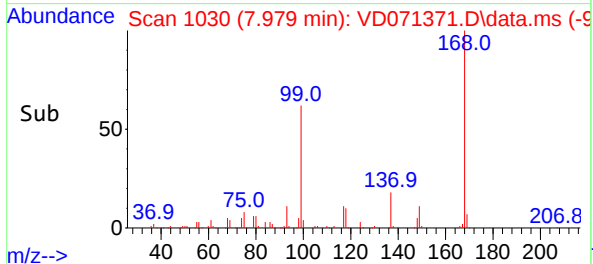
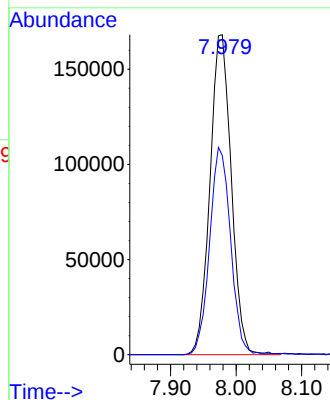


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

Instrument :
MSVOA_D
ClientSampleId :

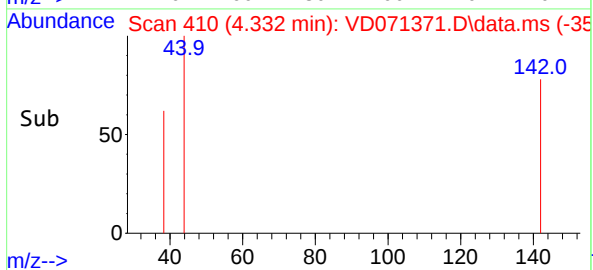
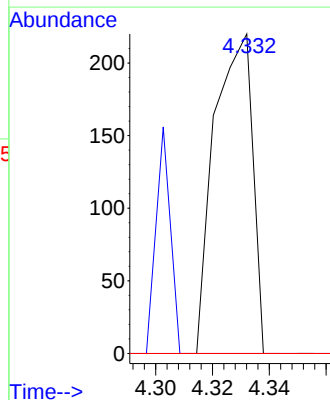
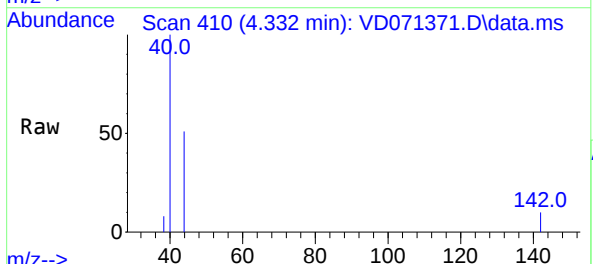


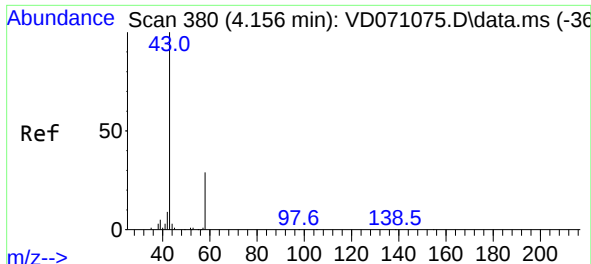
Tgt Ion:168 Resp: 379891
Ion Ratio Lower Upper
168 100
99 62.2 46.6 69.8



#10
Methyl Iodide
Concen: 4.603 ug/l
RT: 4.332 min Scan# 410
Delta R.T. 0.029 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

Tgt Ion:142 Resp: 205
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

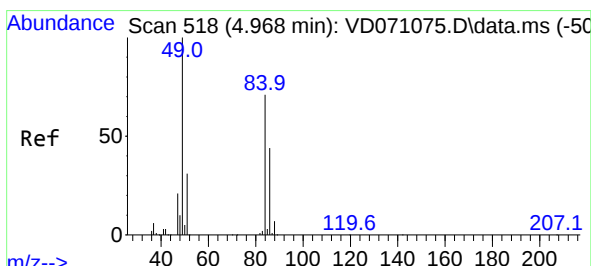
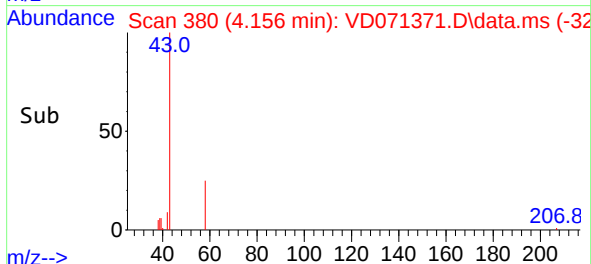
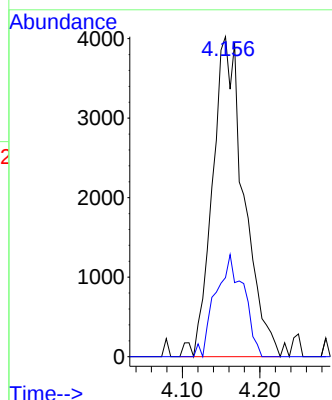
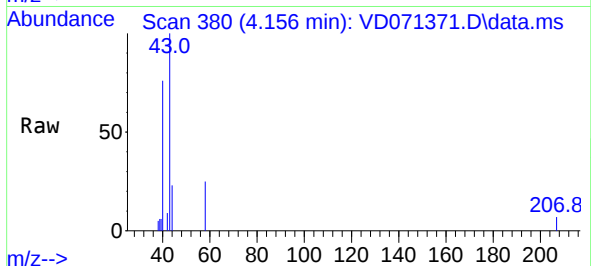




#16
Acetone
Concen: 39.236 ug/l
RT: 4.156 min Scan# 311
Delta R.T. -0.000 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

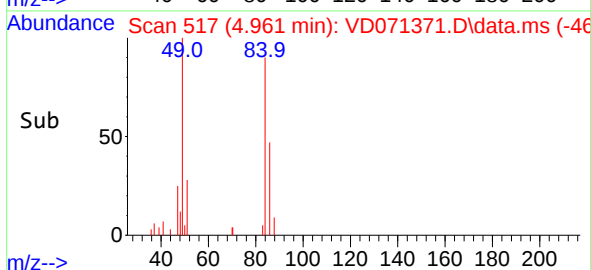
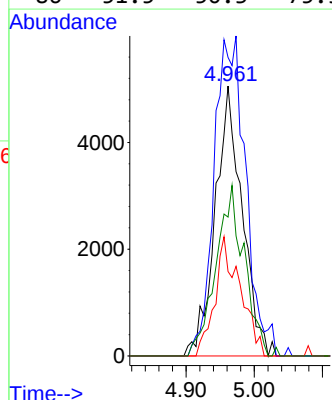
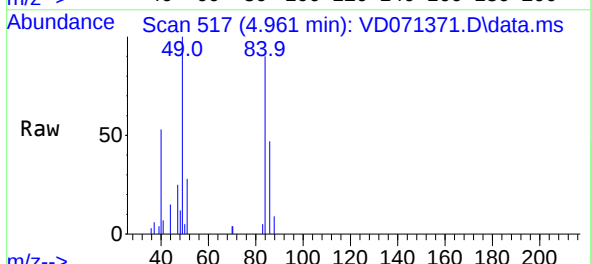
Instrument :
MSVOA_D
ClientSampleId :

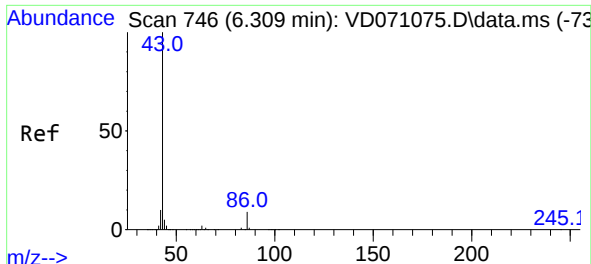
Tgt Ion: 43 Resp: 11393
Ion Ratio Lower Upper
43 100
58 24.7 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.007 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

Tgt Ion: 84 Resp: 13960
Ion Ratio Lower Upper
84 100
49 110.6 95.8 143.6
51 31.3 30.9 46.3
86 51.5 50.3 75.5

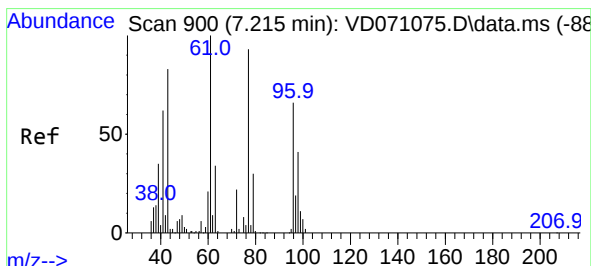
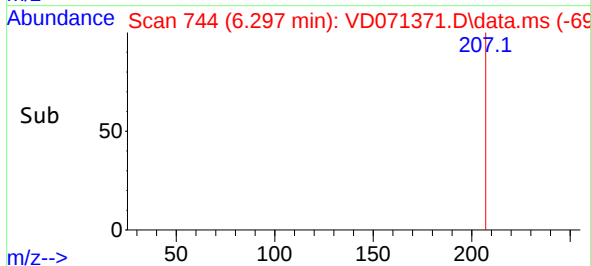
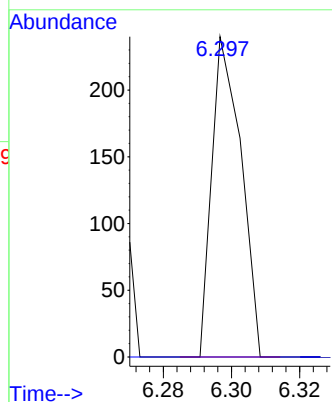
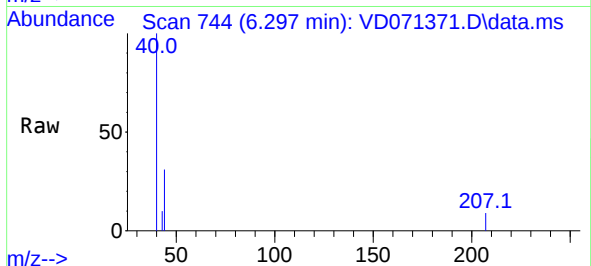




#23
 Vinyl Acetate
 Concen: 27.236 ug/l
 RT: 6.297 min Scan# 744
 Delta R.T. -0.012 min
 Lab File: VD071371.D
 Acq: 16 Dec 2021 17:04

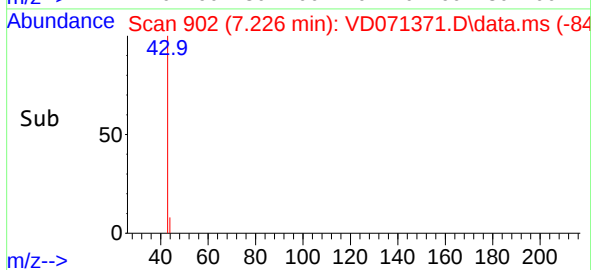
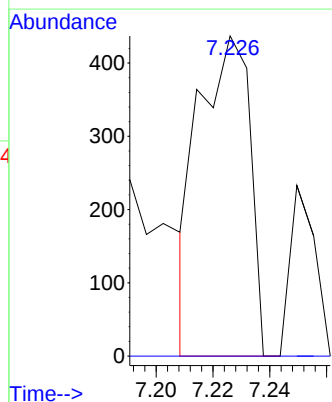
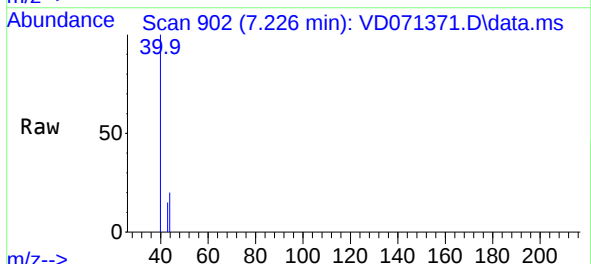
Instrument :
 MSVOA_D
 ClientSampleId :

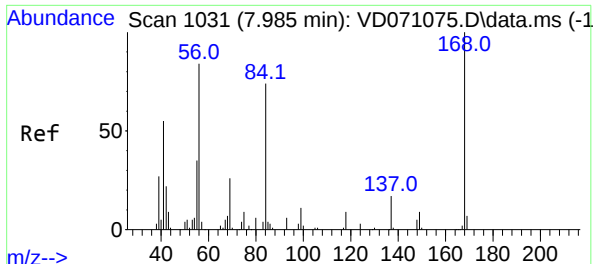
Tgt Ion: 43 Resp: 143
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.710 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.011 min
 Lab File: VD071371.D
 Acq: 16 Dec 2021 17:04

Tgt Ion: 43 Resp: 541
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.494 ug/l

RT: 7.979 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VD071371.D

Acq: 16 Dec 2021 17:04

Instrument :

MSVOA_D

ClientSampleId :

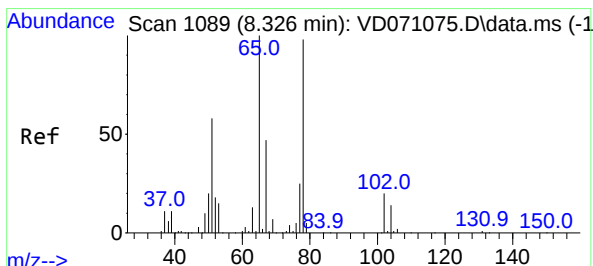
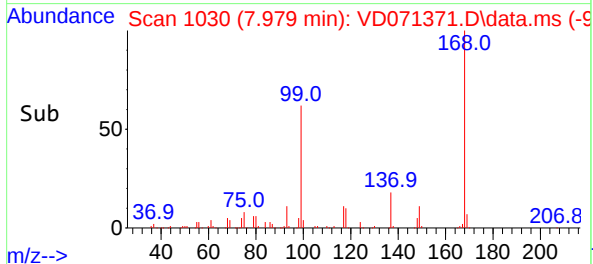
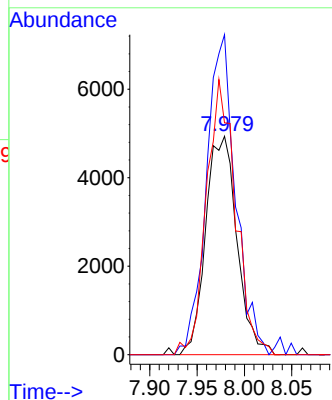
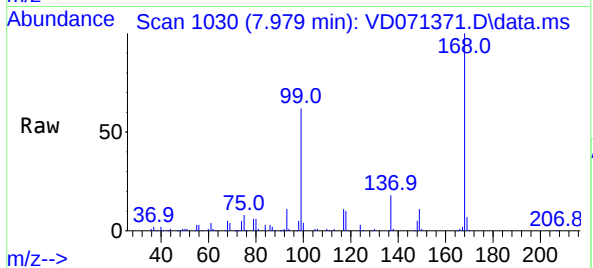
Tgt Ion: 56 Resp: 11328

Ion Ratio Lower Upper

56 100

69 142.5 25.9 38.9#

84 106.2 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 52.119 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071371.D

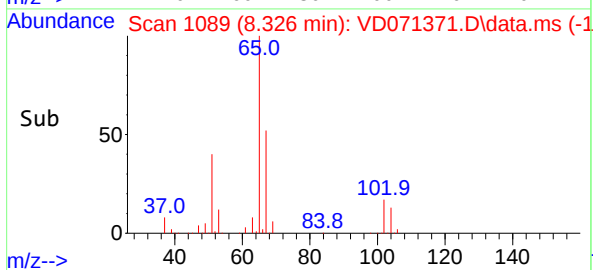
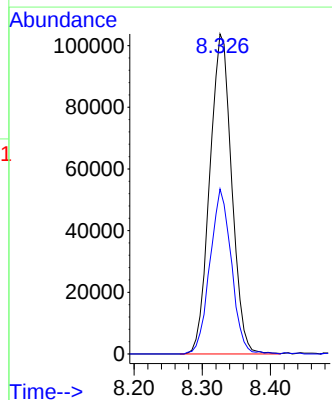
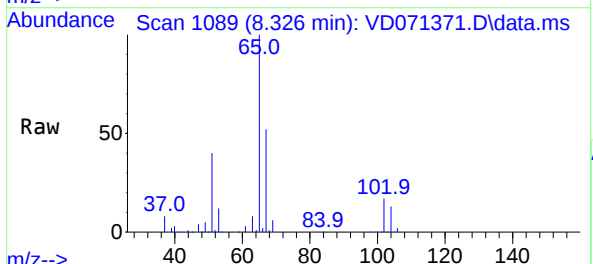
Acq: 16 Dec 2021 17:04

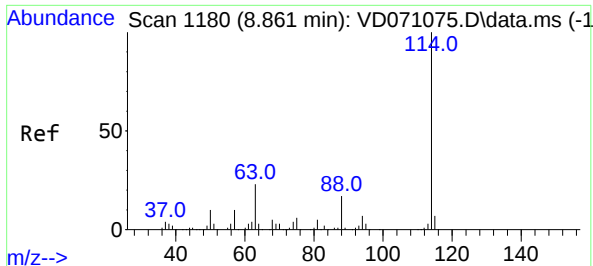
Tgt Ion: 65 Resp: 232325

Ion Ratio Lower Upper

65 100

67 50.5 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: VD071371.D

Acq: 16 Dec 2021 17:04

Instrument :

MSVOA_D

ClientSampleId :

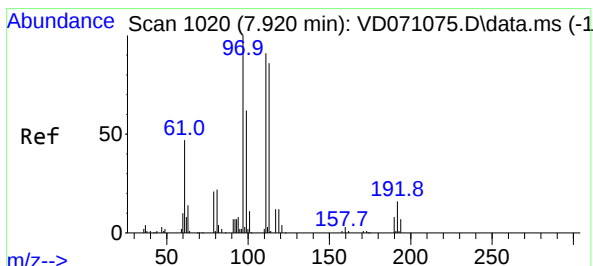
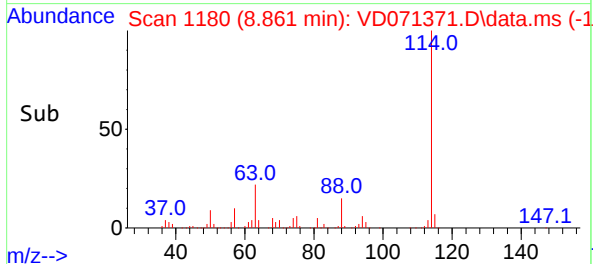
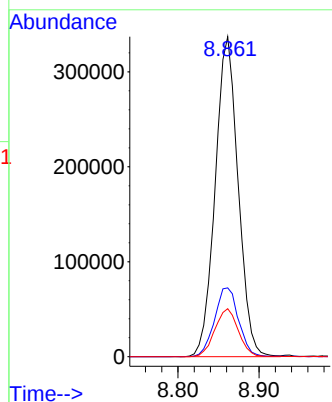
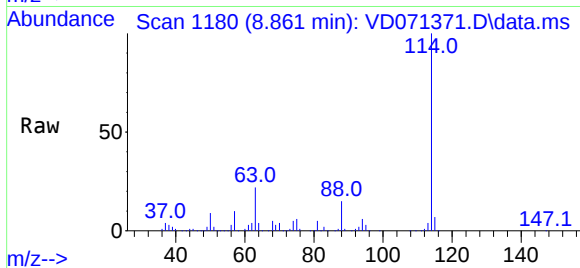
Tgt Ion:114 Resp: 660966

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.8

88 15.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.070 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VD071371.D

Acq: 16 Dec 2021 17:04

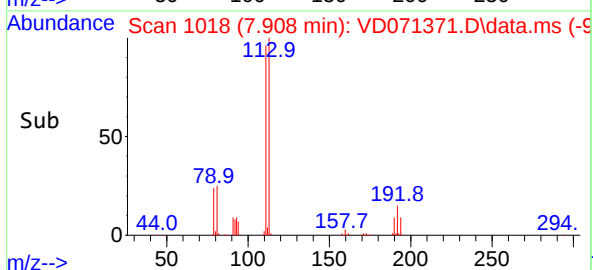
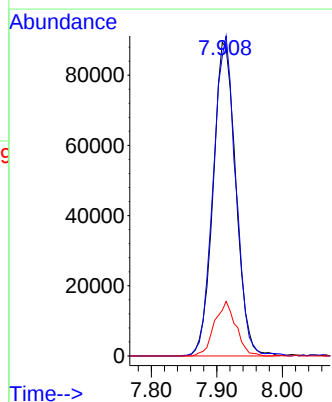
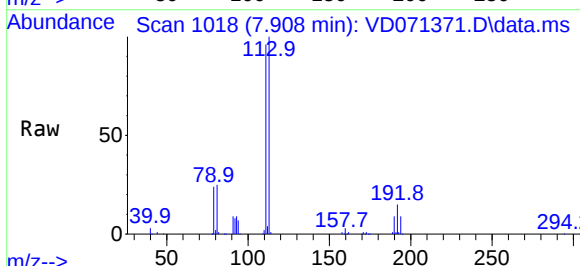
Tgt Ion:113 Resp: 214953

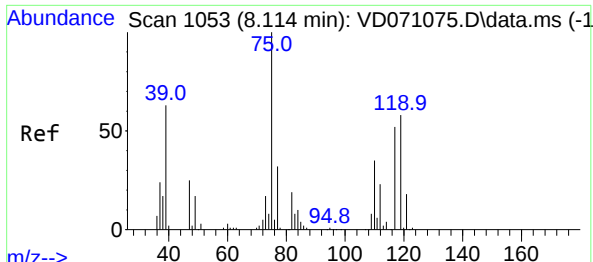
Ion Ratio Lower Upper

113 100

111 100.5 82.0 123.0

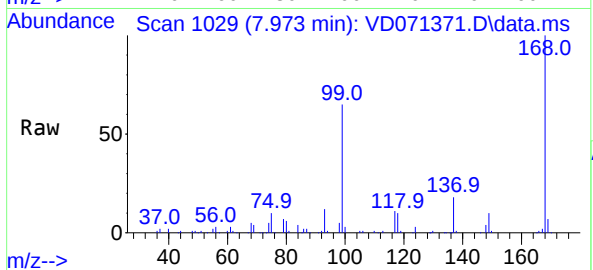
192 16.5 15.2 22.8



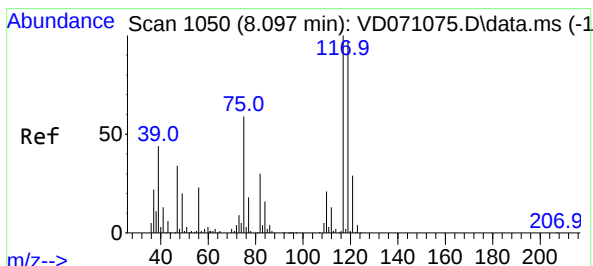
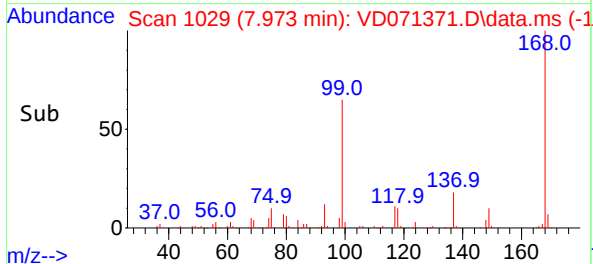
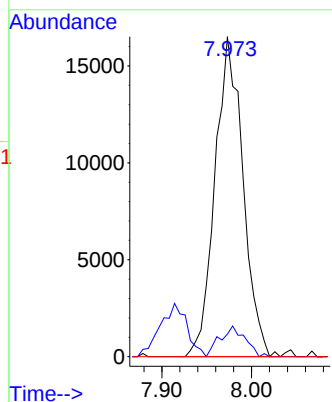


#36
1,1-Dichloropropene
Concen: 5.786 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

Instrument :
MSVOA_D
ClientSampleId :

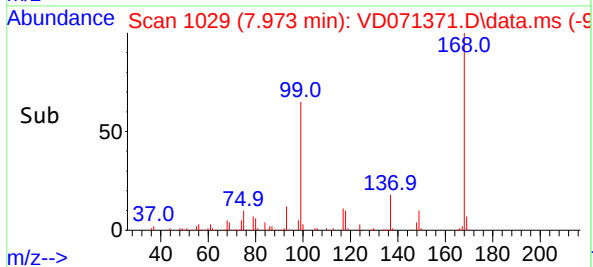
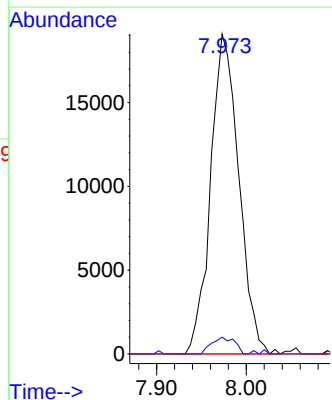
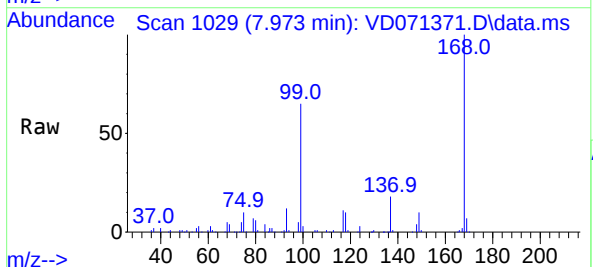


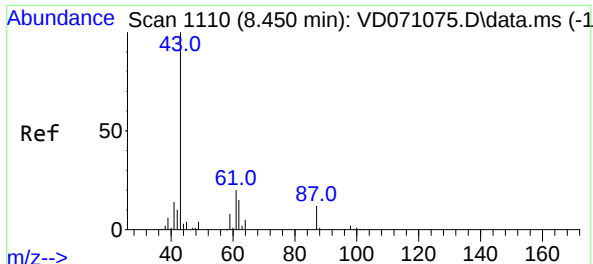
Tgt Ion: 75 Resp: 35742
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.4#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.845 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

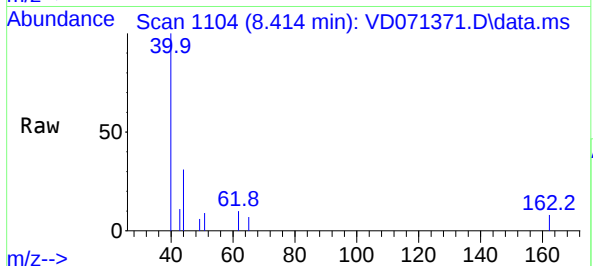
Tgt Ion: 117 Resp: 41681
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 23.6 35.4#



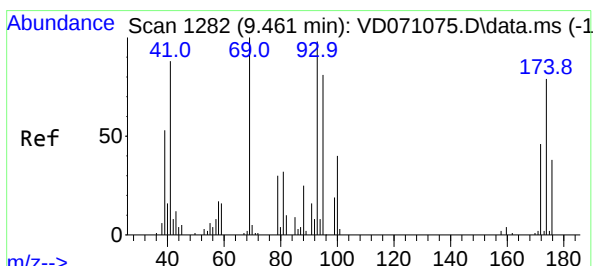
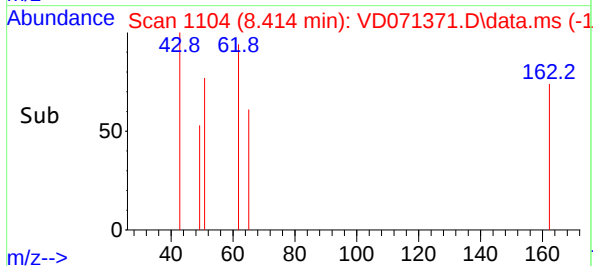
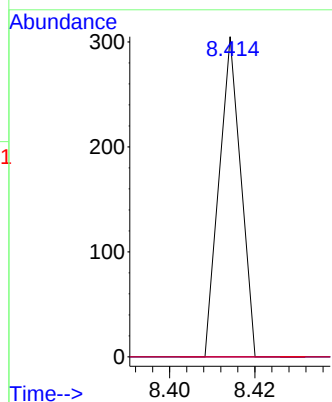


#43
Isopropyl Acetate
Concen: 5.239 ug/l
RT: 8.414 min Scan# 1110
Delta R.T. -0.036 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

Instrument :
MSVOA_D
ClientSampleId :

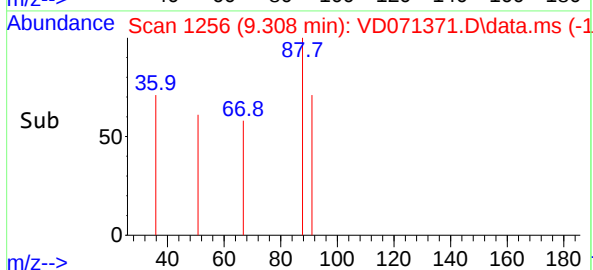
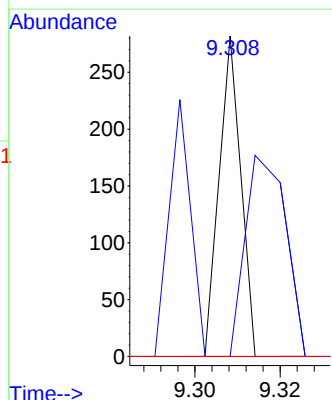
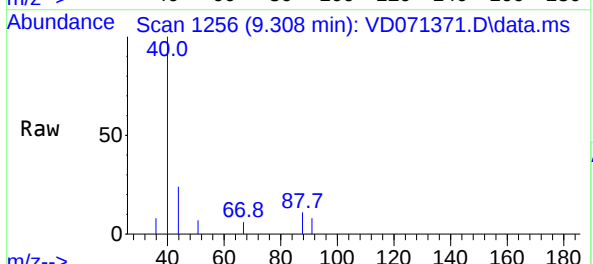


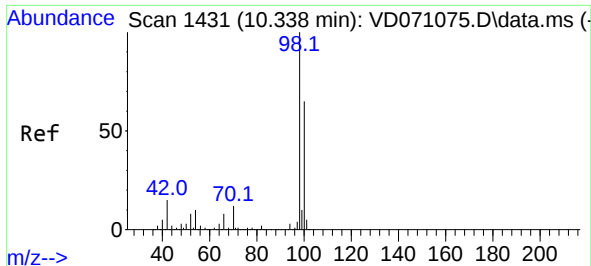
Tgt Ion: 43 Resp: 108
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#49
1,4-Dioxane
Concen: 4.525 ug/l
RT: 9.308 min Scan# 1256
Delta R.T. -0.153 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

Tgt Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 116.0 28.9 43.3#
58 0.0 56.3 84.5#

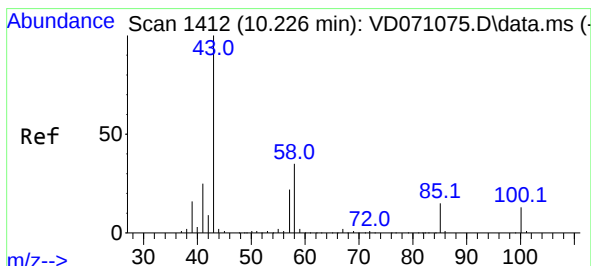
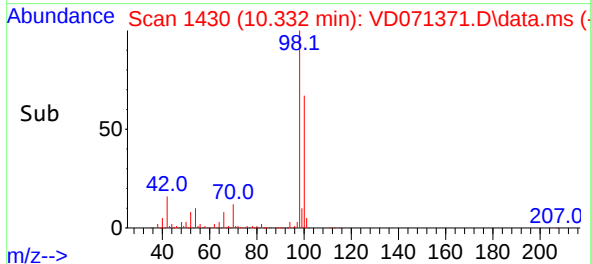
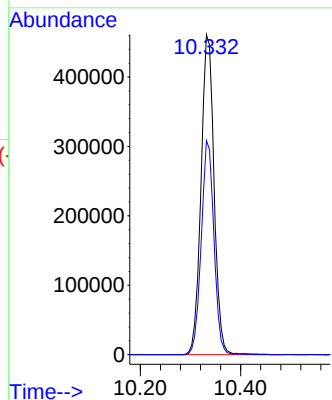
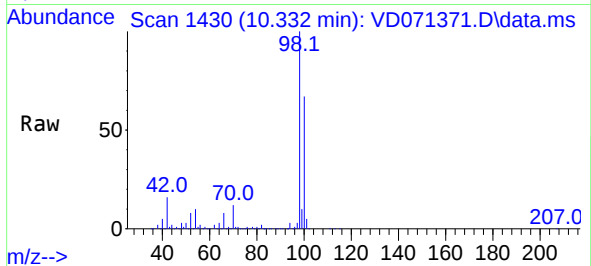




#50
Toluene-d8
Concen: 52.056 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

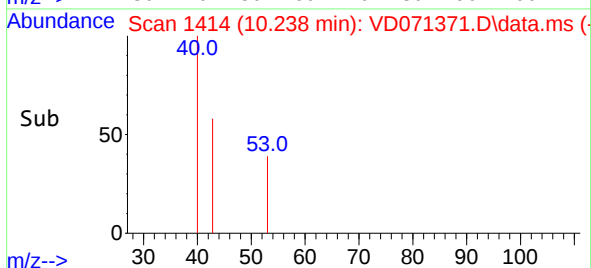
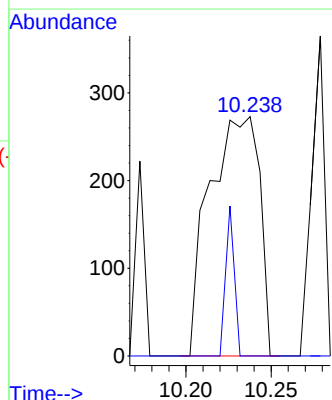
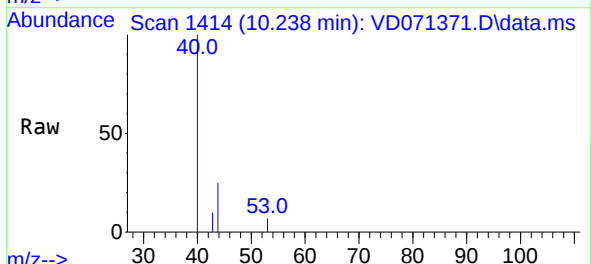
Instrument :
MSVOA_D
ClientSampleId :

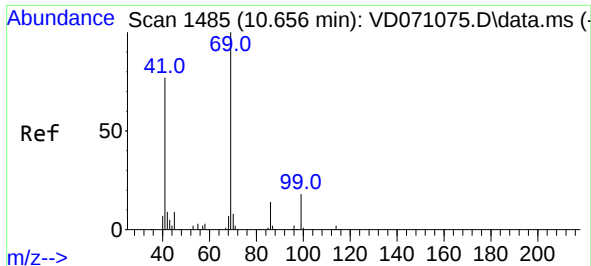
Tgt Ion: 98 Resp: 833801
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.814 ug/l
RT: 10.238 min Scan# 1414
Delta R.T. 0.012 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

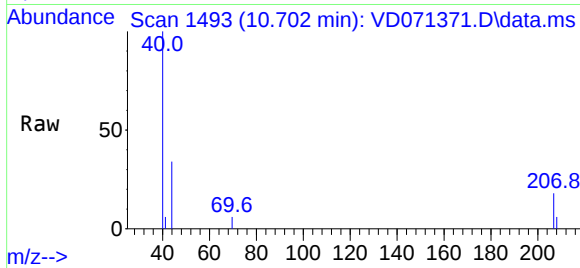
Tgt Ion: 43 Resp: 557
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



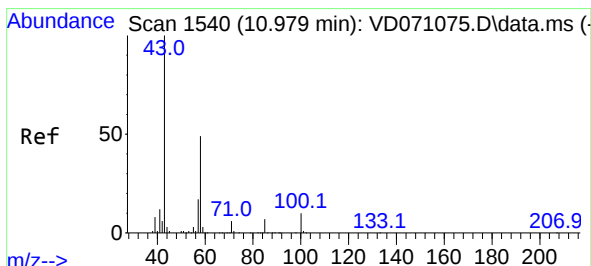
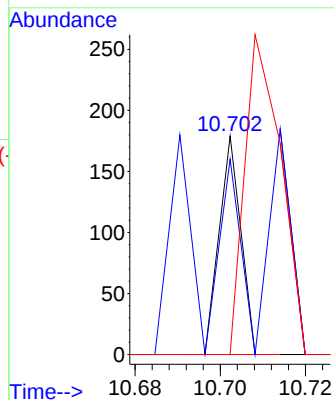
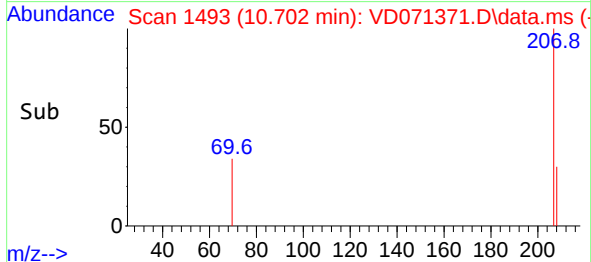


#56
Ethyl methacrylate
Concen: 5.983 ug/l
RT: 10.702 min Scan# 1485
Delta R.T. 0.046 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

Instrument :
MSVOA_D
ClientSampleId :

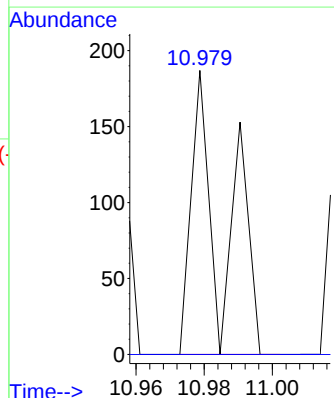
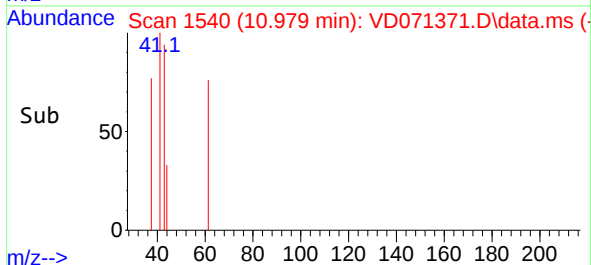
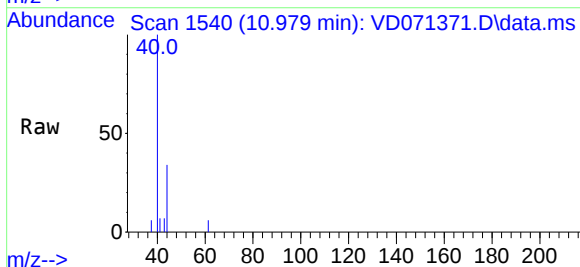


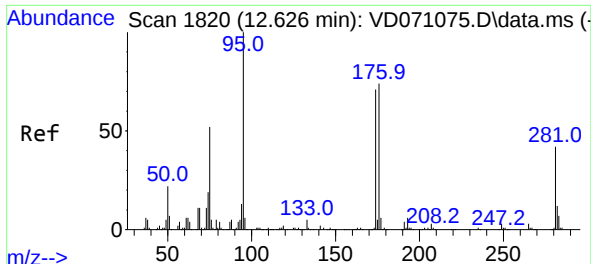
Tgt Ion: 69 Resp: 63
Ion Ratio Lower Upper
69 100
41 88.9 50.2 75.2#
39 244.4 19.8 29.8#



#59
2-Hexanone
Concen: 34.620 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

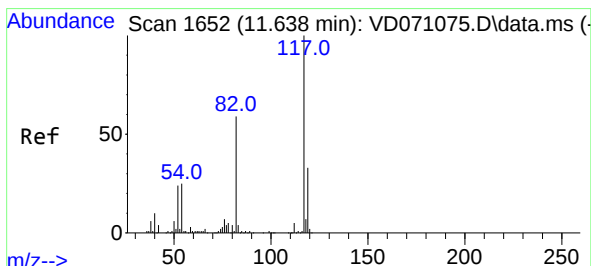
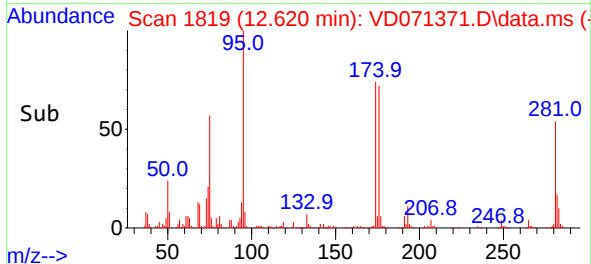
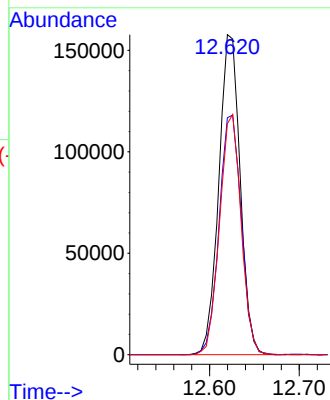
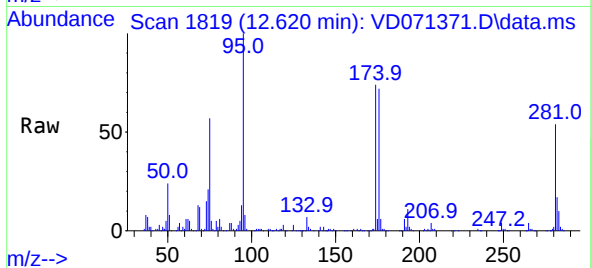




#62
4-Bromofluorobenzene
Concen: 46.932 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

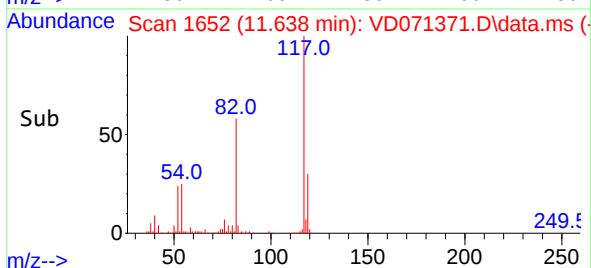
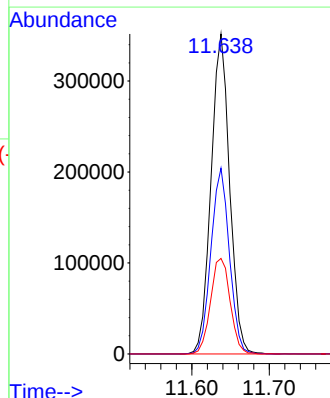
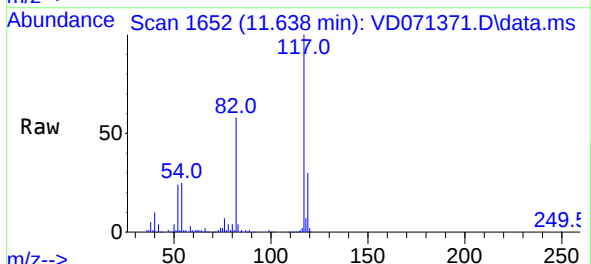
Instrument :
MSVOA_D
ClientSampleId :

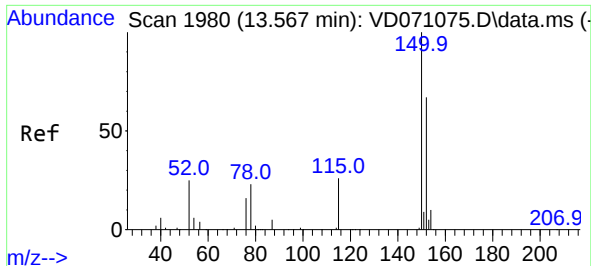
Tgt Ion: 95 Resp: 260575
Ion Ratio Lower Upper
95 100
174 78.0 0.0 159.4
176 75.5 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

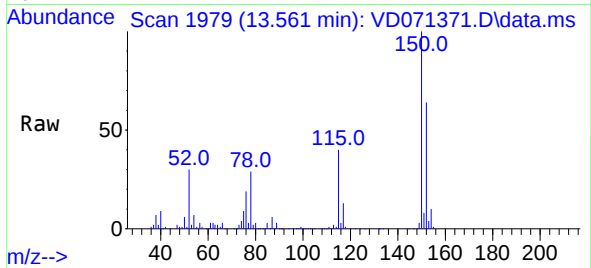
Tgt Ion: 117 Resp: 586843
Ion Ratio Lower Upper
117 100
82 58.0 44.7 67.1
119 29.9 26.2 39.4



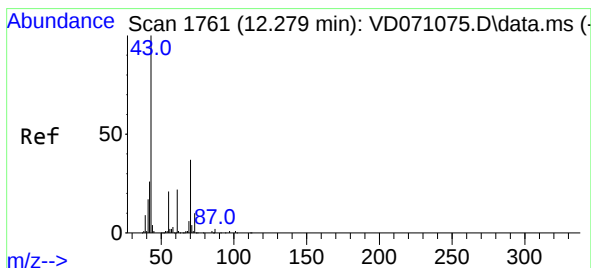
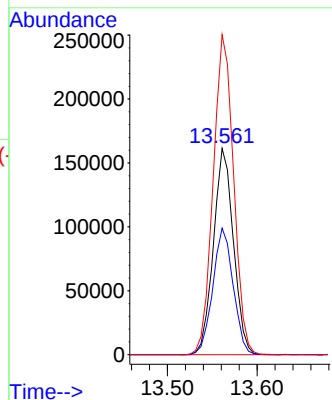
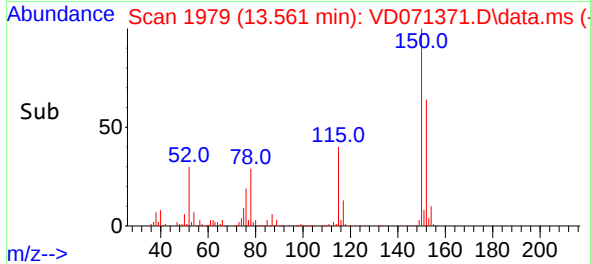


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

Instrument :
MSVOA_D
ClientSampleId :

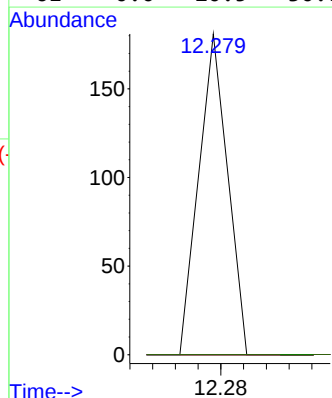
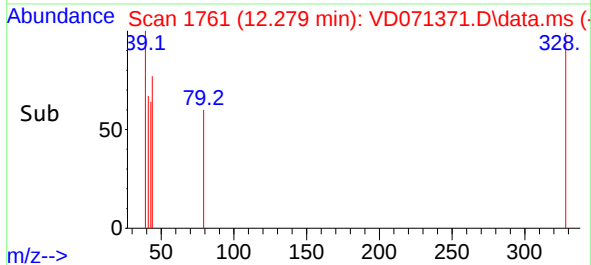
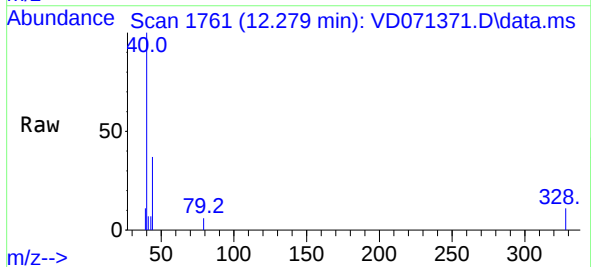


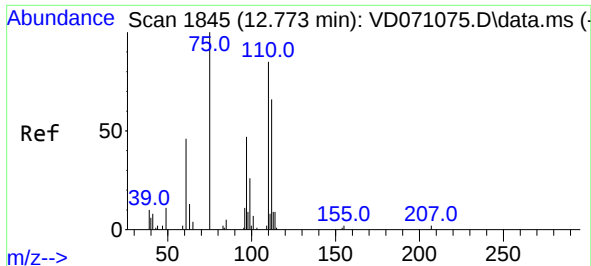
Tgt Ion:152 Resp: 250092
Ion Ratio Lower Upper
152 100
115 62.3 29.8 89.3
150 158.0 0.0 349.2



#74
N-ethyl acetate
Concen: 5.713 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

Tgt Ion: 43 Resp: 64
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#

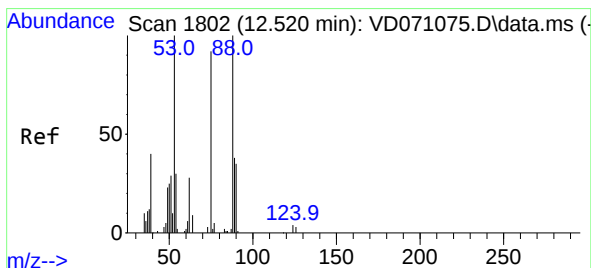
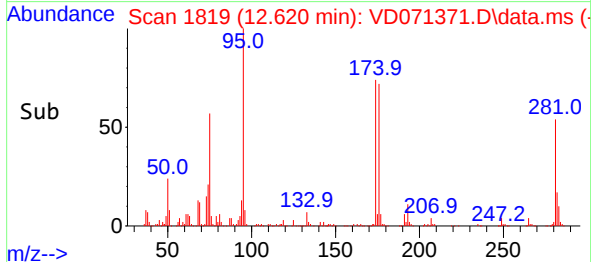
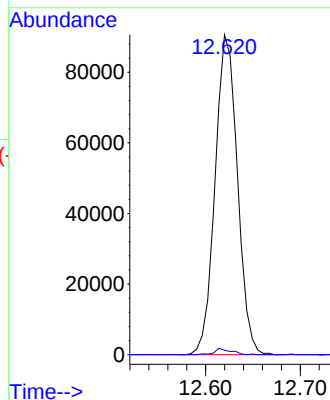
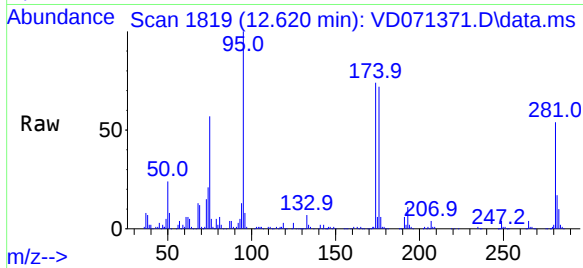




#76
1,2,3-Trichloropropane
Concen: 62.352 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 148571
Ion Ratio Lower Upper
75 100
77 1.5 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.771 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071371.D
Acq: 16 Dec 2021 17:04

Tgt Ion: 75 Resp: 148571
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 1.0 34.5 51.7#

