

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071292.D
 Acq On : 13 Dec 2021 13:12
 Operator : VA/SY
 Sample : M5051-04RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 08:13:24 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)

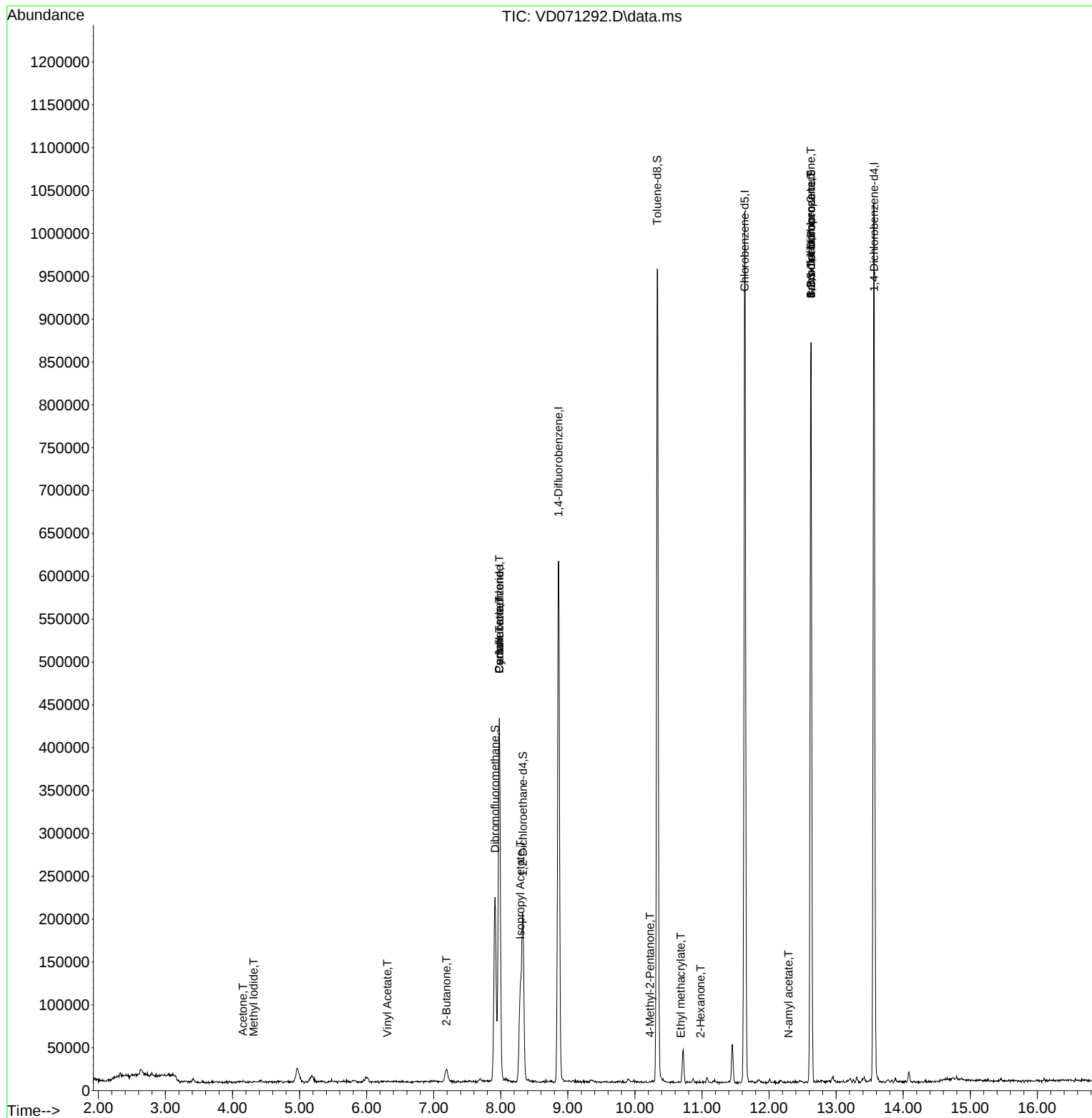
Internal Standards						
1) Pentafluorobenzene	7.979	168	289466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	490458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	526960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	252154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	146263	43.062	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.120%
35) Dibromofluoromethane	7.914	113	148258	47.470	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.940%
50) Toluene-d8	10.332	98	626229	52.689	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.380%
62) 4-Bromofluorobenzene	12.626	95	252085	61.187	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	122.380%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.314	142	189	4.611	ug/l #	40
11) Tert butyl alcohol	5.173	59	3527	Below Cal	#	71
16) Acetone	4.156	43	1708	32.457	ug/l #	40
20) Methylene Chloride	4.967	84	10719	Below Cal		95
23) Vinyl Acetate	6.308	43	377	27.279	ug/l #	72
25) 2-Butanone	7.191	43	858	29.089	ug/l #	45
31) Cyclohexane	7.979	56	9543	1.652	ug/l #	27
38) Carbon Tetrachloride	7.979	117	32150	7.115	ug/l #	16
41) Methacrylonitrile	7.561	41	122	Below Cal	#	12
43) Isopropyl Acetate	8.291	43	3738	5.991	ug/l #	13
51) 4-Methyl-2-Pentanone	10.226	43	574	30.877	ug/l #	34
56) Ethyl methacrylate	10.685	69	83	5.993	ug/l #	1
59) 2-Hexanone	10.979	43	441	34.800	ug/l #	22
71) Bromoform	12.626	173	2627	1.420	ug/l #	1
74) N-amyl acetate	12.290	43	328	5.759	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	141563	58.925	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	141563	127.681	ug/l #	18

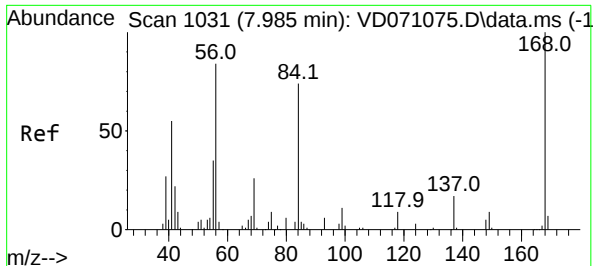
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD071292.D
Acq On : 13 Dec 2021 13:12
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Sample : M5051-04RE
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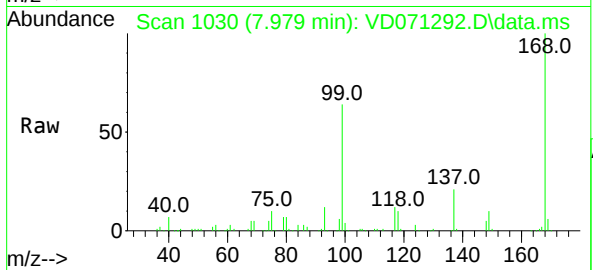
Quant Time: Dec 14 08:13:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



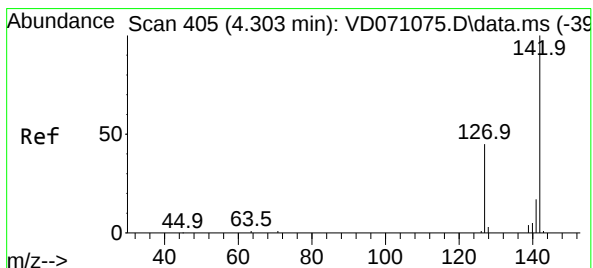
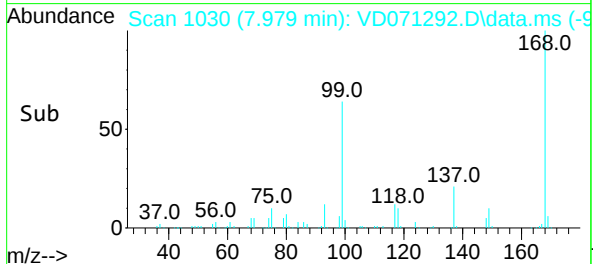
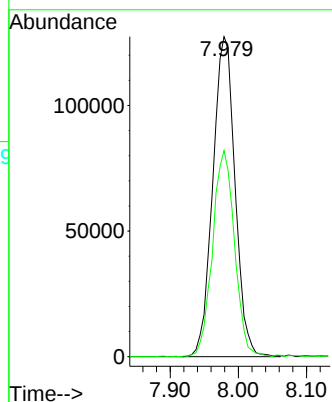


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

Instrument :
MSVOA_D
ClientSampleId :

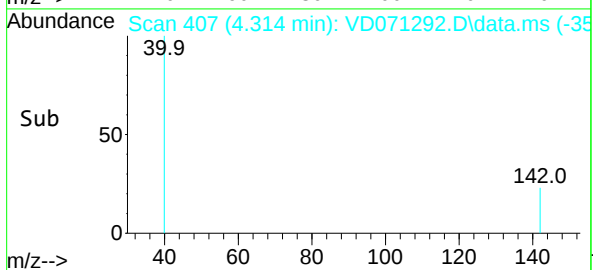
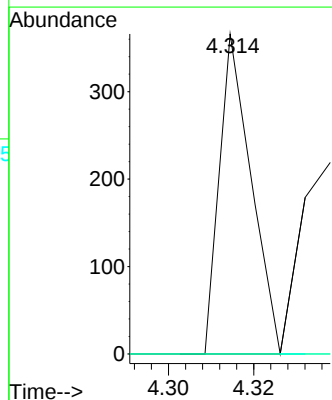
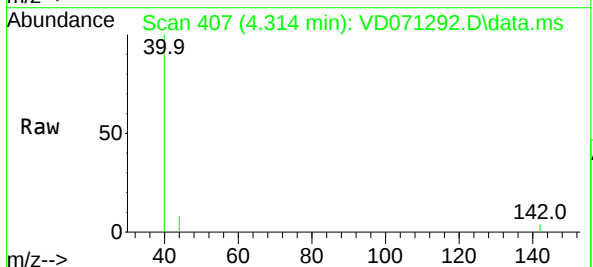


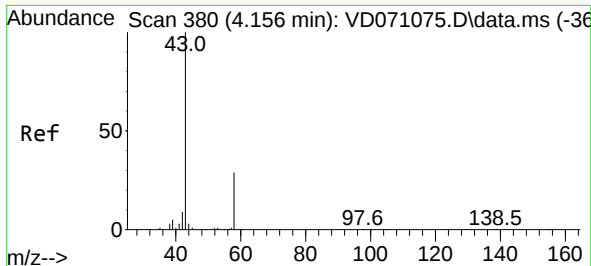
Tgt Ion:168 Resp: 289466
Ion Ratio Lower Upper
168 100
99 64.4 46.6 69.8



#10
Methyl Iodide
Concen: 4.611 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

Tgt Ion:142 Resp: 189
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

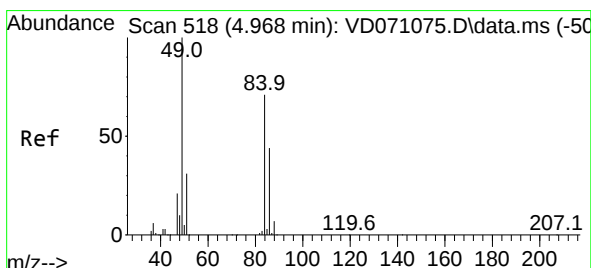
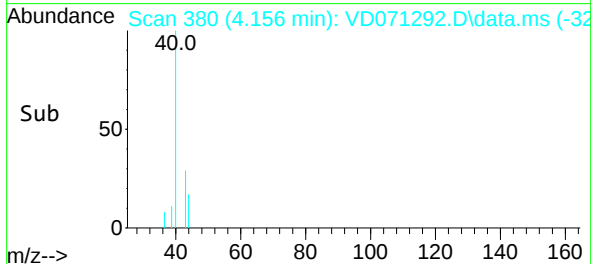
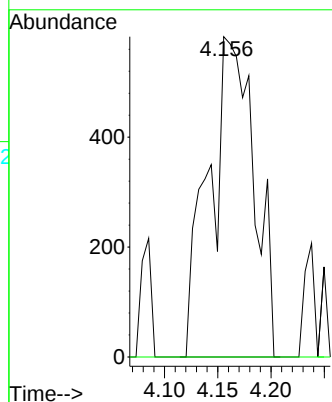
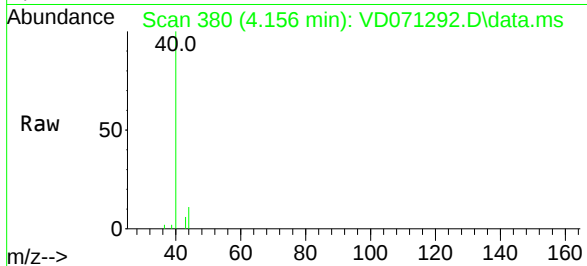




#16
Acetone
Concen: 32.457 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

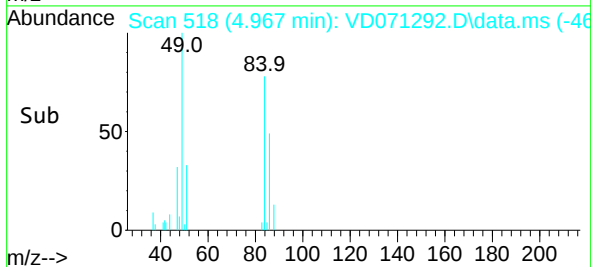
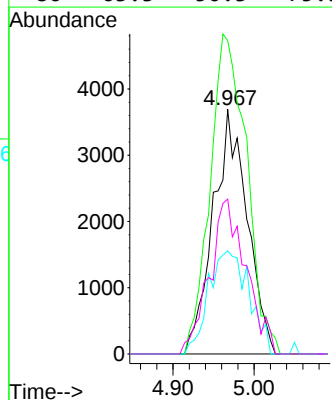
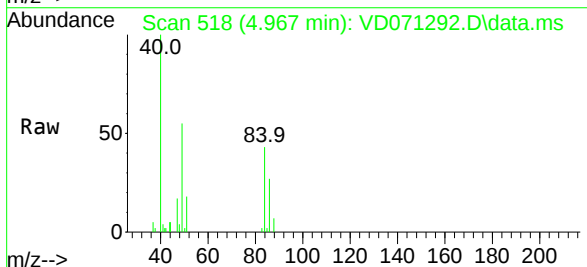
Instrument :
MSVOA_D
ClientSampleId :

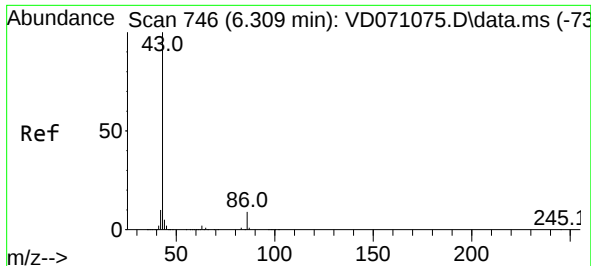
Tgt Ion: 43 Resp: 1708
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

Tgt Ion: 84 Resp: 10719
Ion Ratio Lower Upper
84 100
49 128.1 95.8 143.6
51 42.1 30.9 46.3
86 63.3 50.3 75.5

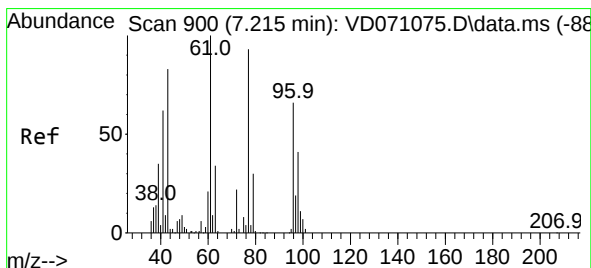
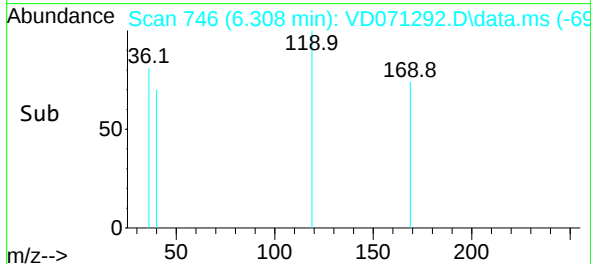
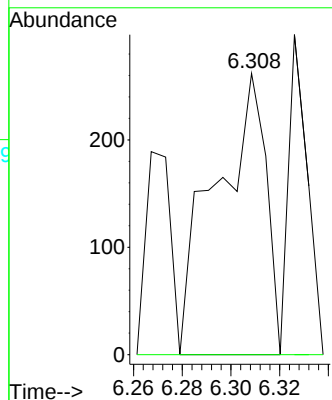
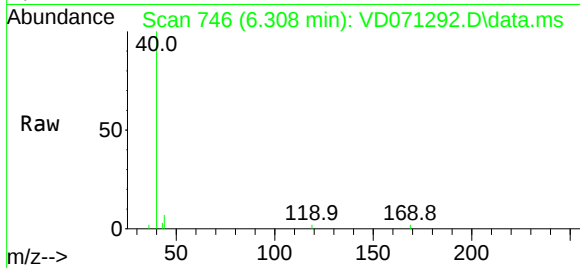




#23
 Vinyl Acetate
 Concen: 27.279 ug/l
 RT: 6.308 min Scan# 746
 Delta R.T. -0.001 min
 Lab File: VD071292.D
 Acq: 13 Dec 2021 13:12

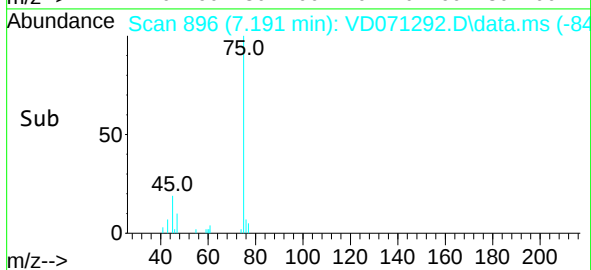
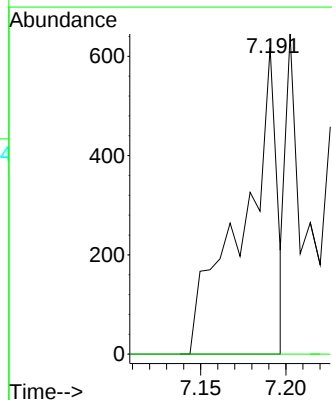
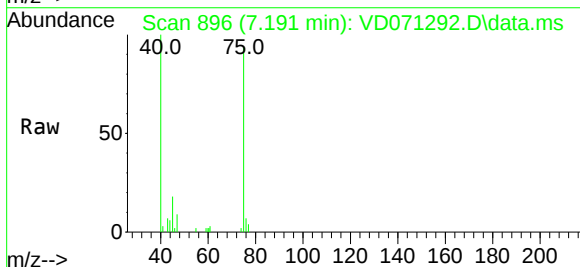
Instrument :
 MSVOA_D
 ClientSampleId :

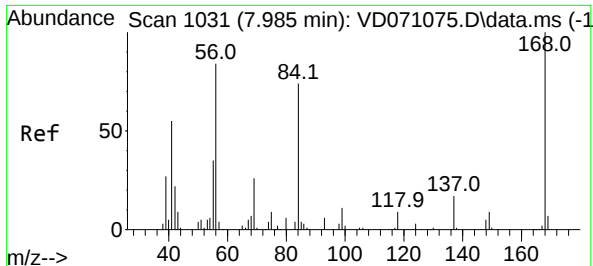
Tgt Ion: 43 Resp: 377
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.089 ug/l
 RT: 7.191 min Scan# 896
 Delta R.T. -0.024 min
 Lab File: VD071292.D
 Acq: 13 Dec 2021 13:12

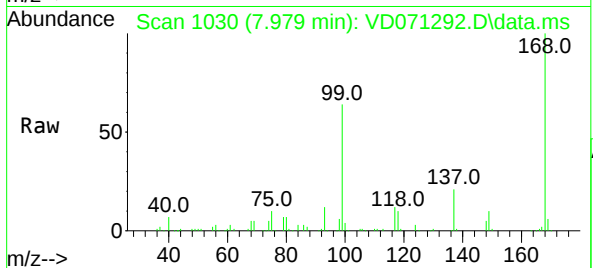
Tgt Ion: 43 Resp: 858
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



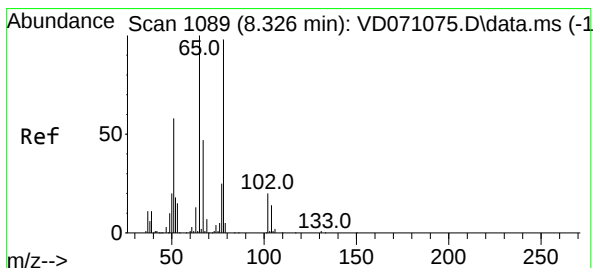
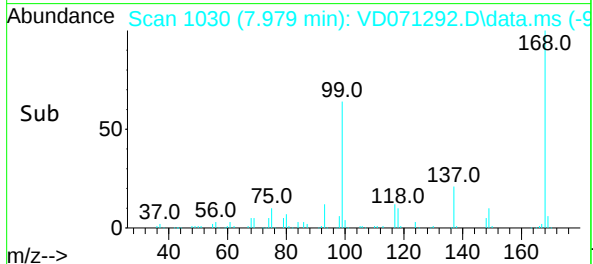
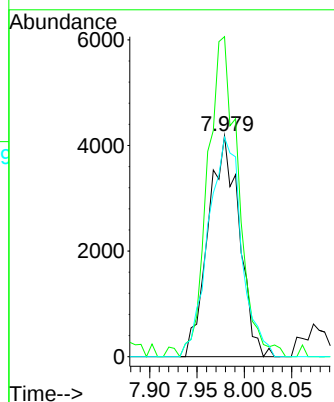


#31
Cyclohexane
Concen: 1.652 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

Instrument :
MSVOA_D
ClientSampleId :

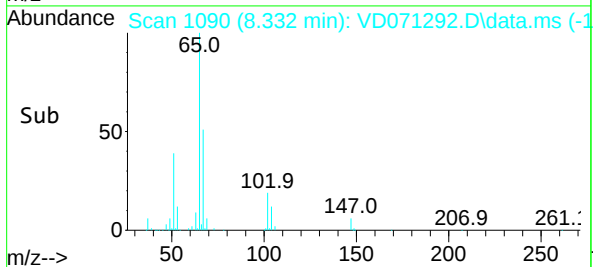
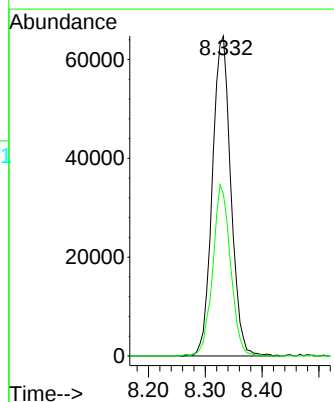
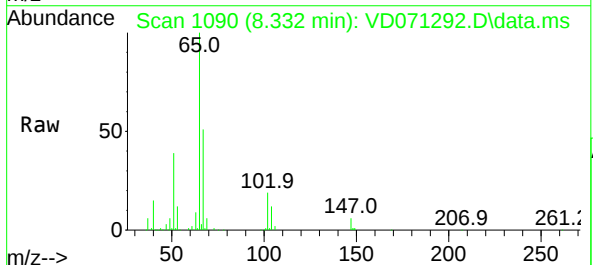


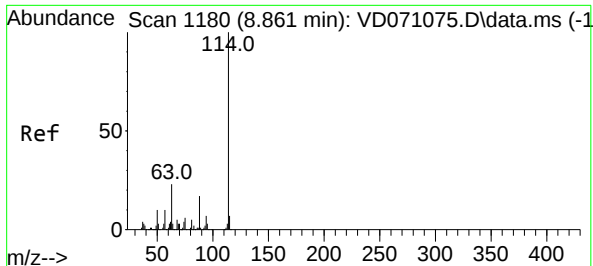
Tgt Ion: 56 Resp: 9543
Ion Ratio Lower Upper
56 100
69 144.8 25.9 38.9#
84 99.3 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 43.062 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

Tgt Ion: 65 Resp: 146263
Ion Ratio Lower Upper
65 100
67 51.5 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

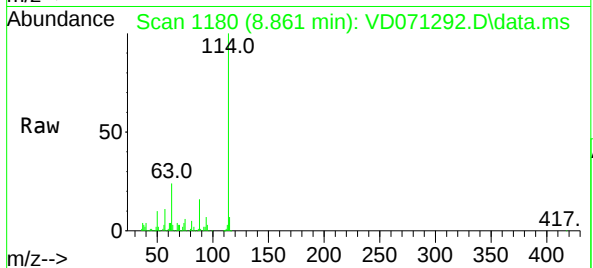
Lab File: VD071292.D

Acq: 13 Dec 2021 13:12

Instrument :

MSVOA_D

ClientSampleId :



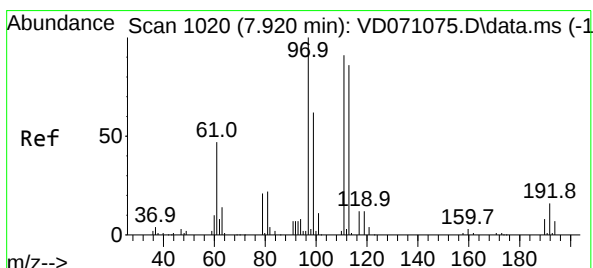
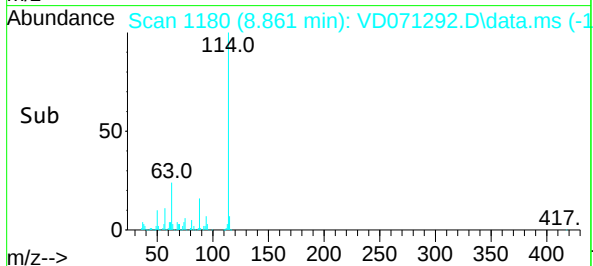
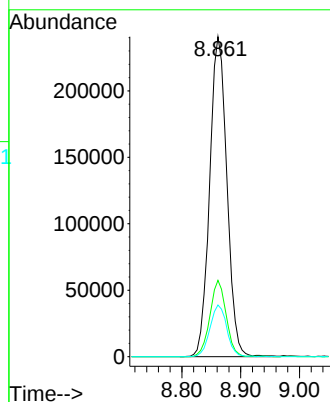
Tgt Ion:114 Resp: 490458

Ion Ratio Lower Upper

114 100

63 23.9 0.0 41.8

88 16.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 47.470 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071292.D

Acq: 13 Dec 2021 13:12

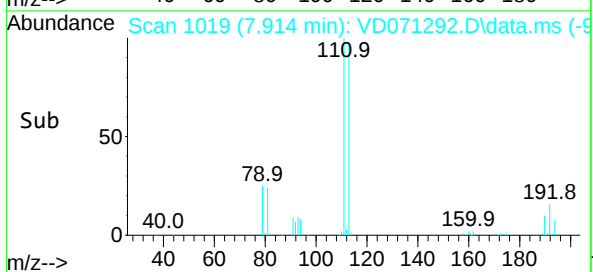
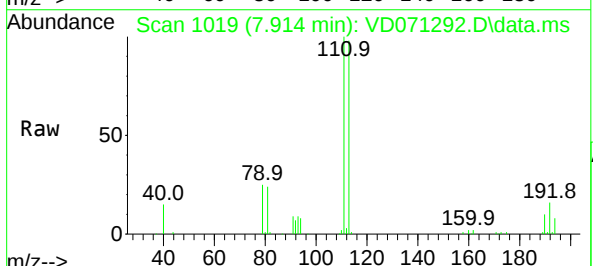
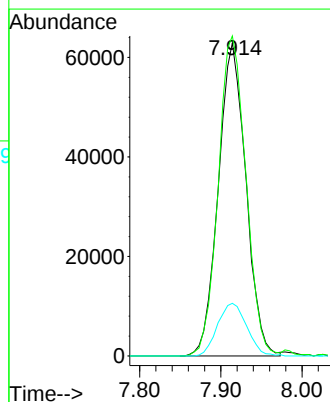
Tgt Ion:113 Resp: 148258

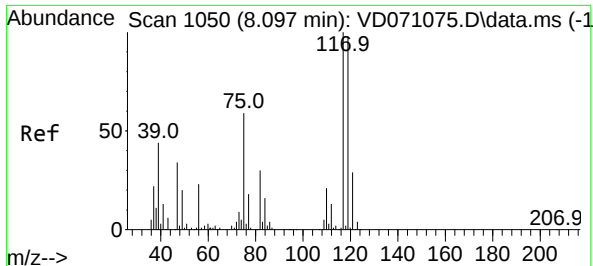
Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

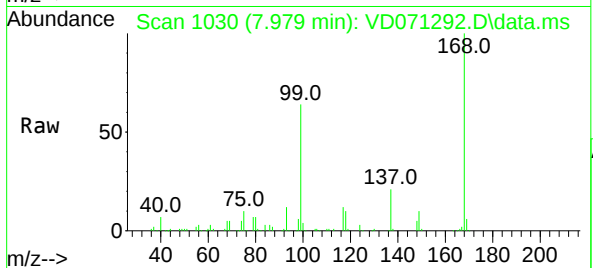
192 17.8 15.2 22.8



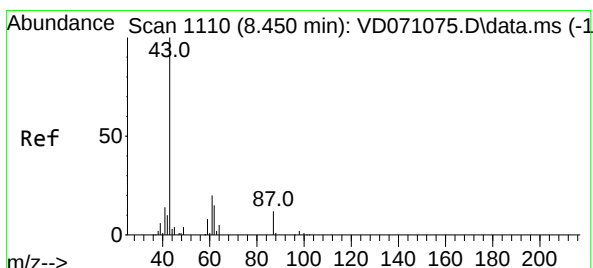
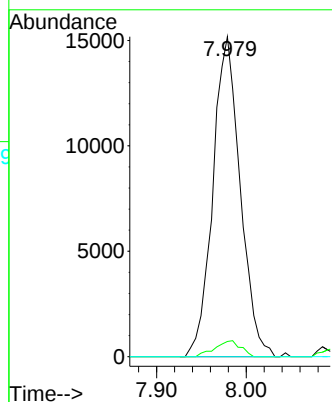
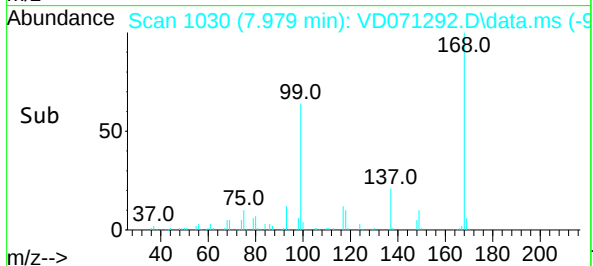


#38
Carbon Tetrachloride
Concen: 7.115 ug/l
RT: 7.979 min Scan# 1083
Delta R.T. -0.118 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

Instrument :
MSVOA_D
ClientSampleId :

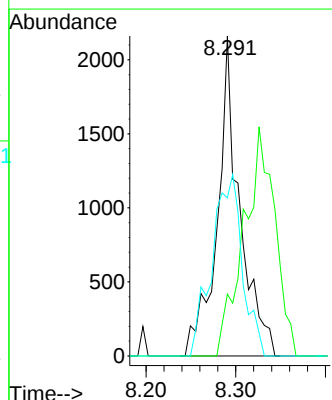
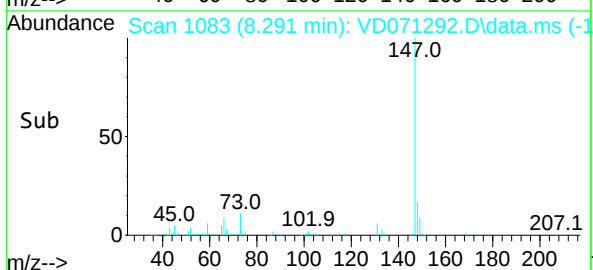
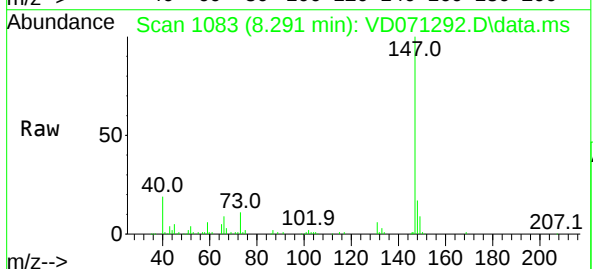


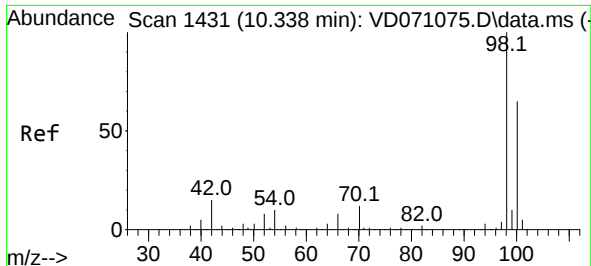
Tgt Ion:117 Resp: 32150
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.991 ug/l
RT: 8.291 min Scan# 1083
Delta R.T. -0.159 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

Tgt Ion: 43 Resp: 3738
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 76.7 10.7 16.1#

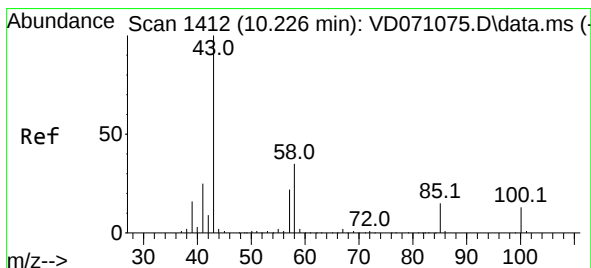
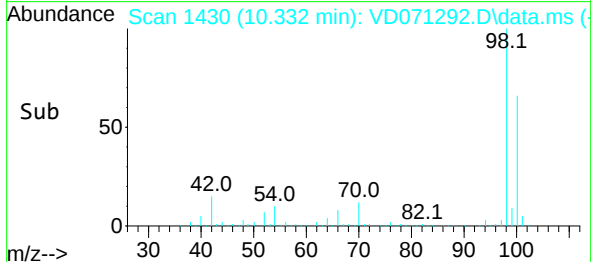
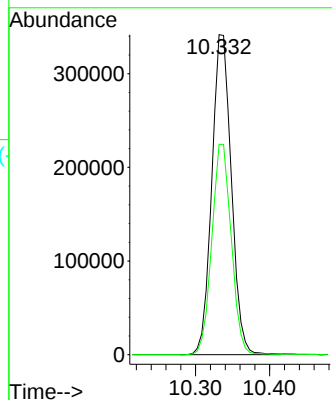
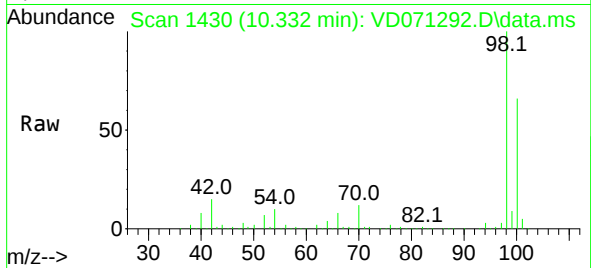




#50
Toluene-d8
Concen: 52.689 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

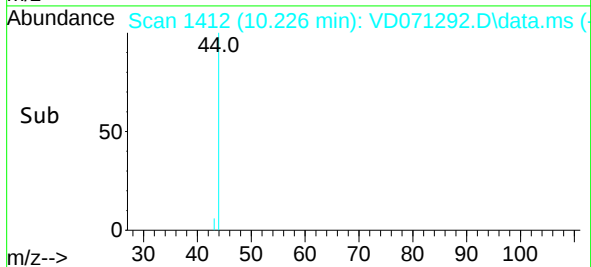
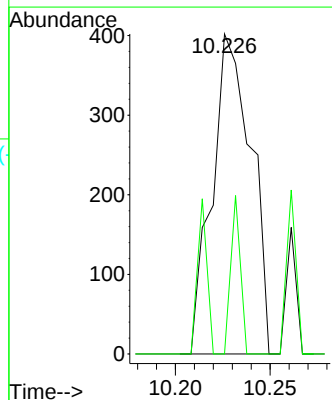
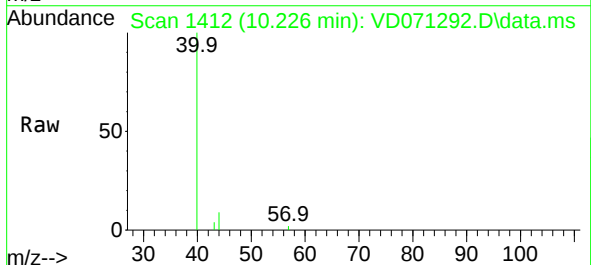
Instrument :
MSVOA_D
ClientSampleId :

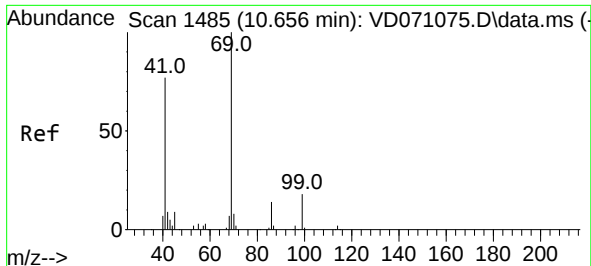
Tgt Ion: 98 Resp: 626229
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.877 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

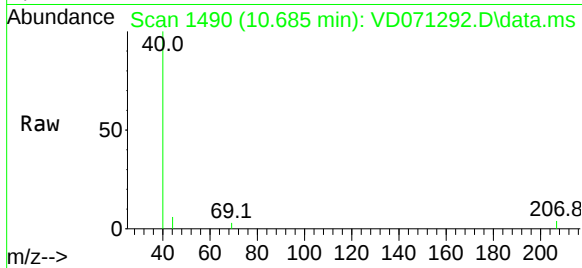
Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



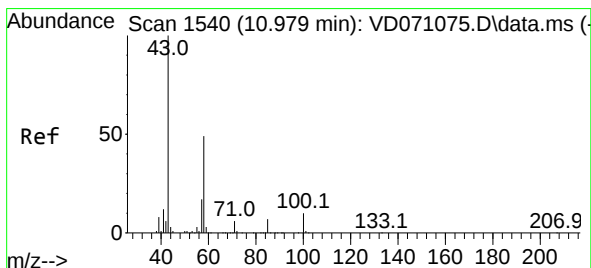
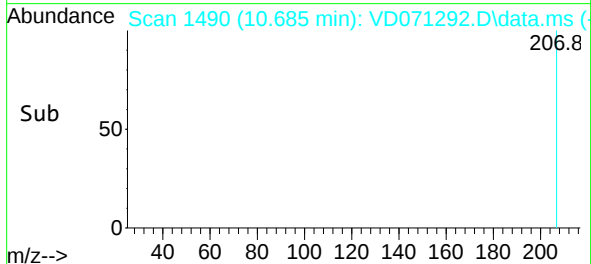
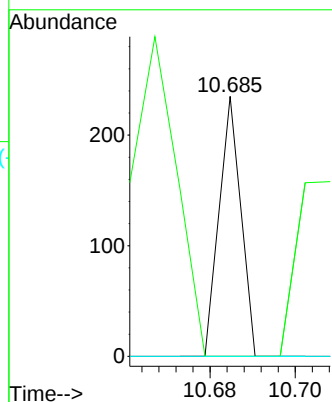


#56
Ethyl methacrylate
Concen: 5.993 ug/l
RT: 10.685 min Scan# 1485
Delta R.T. 0.029 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

Instrument :
MSVOA_D
ClientSampleId :

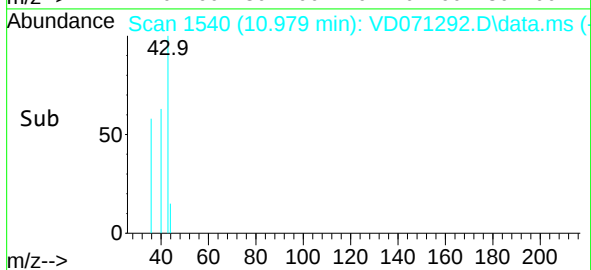
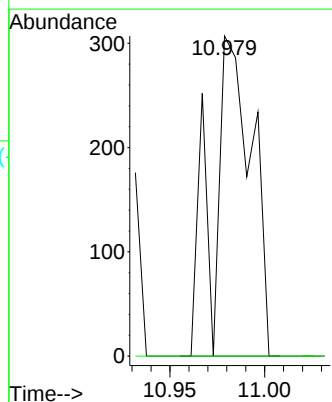
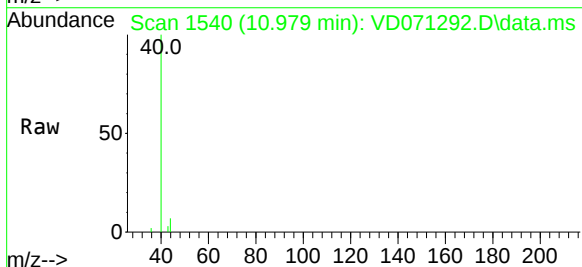


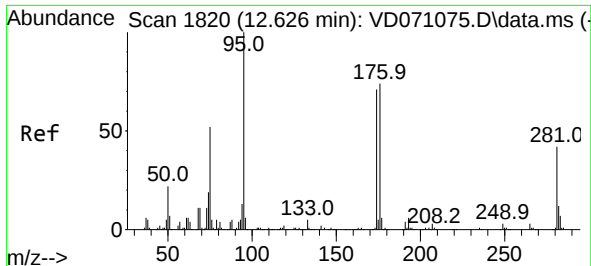
Tgt Ion: 69 Resp: 83
Ion Ratio Lower Upper
69 100
41 254.2 50.2 75.2#
39 0.0 19.8 29.8#



#59
2-Hexanone
Concen: 34.800 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

Tgt Ion: 43 Resp: 441
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

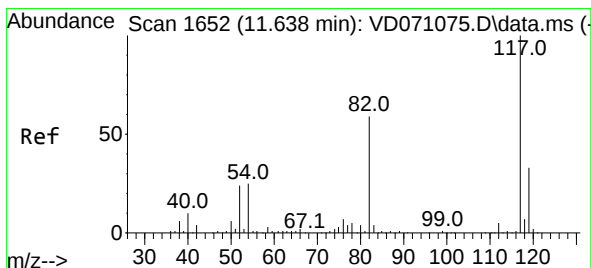
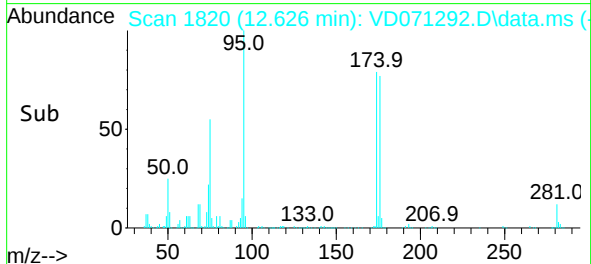
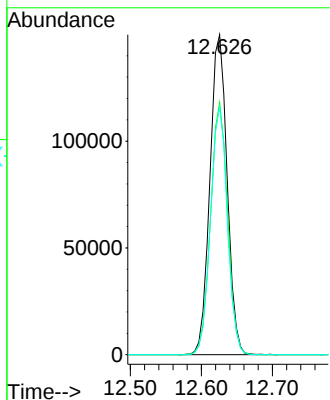
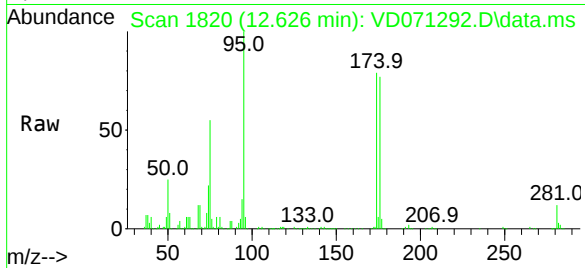




#62
4-Bromofluorobenzene
Concen: 61.187 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

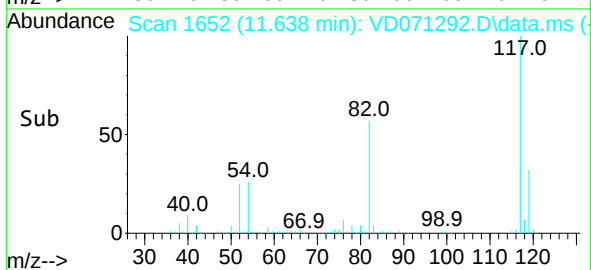
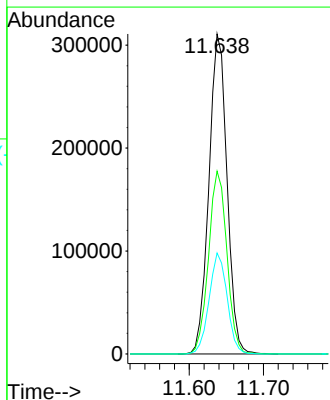
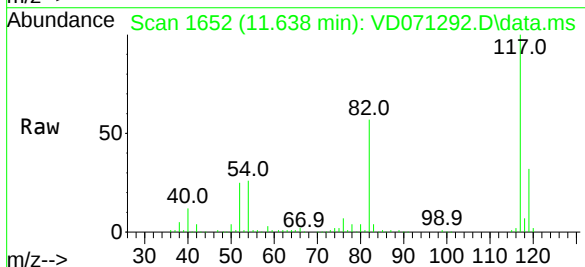
Instrument :
MSVOA_D
ClientSampleId :

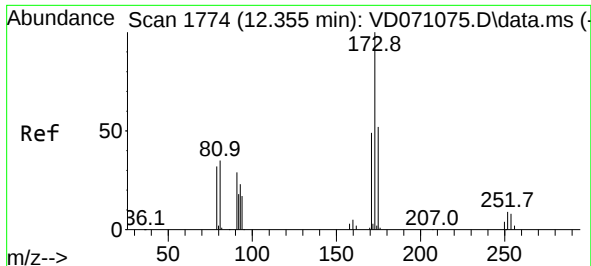
Tgt Ion: 95 Resp: 252085
Ion Ratio Lower Upper
95 100
174 77.8 0.0 159.4
176 75.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

Tgt Ion: 117 Resp: 526960
Ion Ratio Lower Upper
117 100
82 57.1 44.7 67.1
119 31.5 26.2 39.4

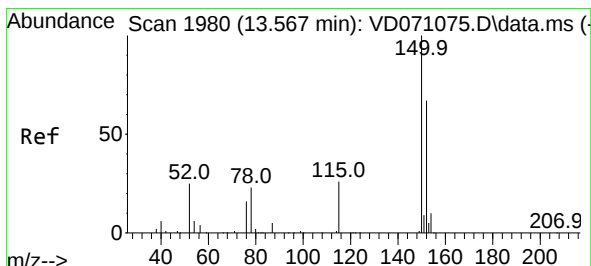
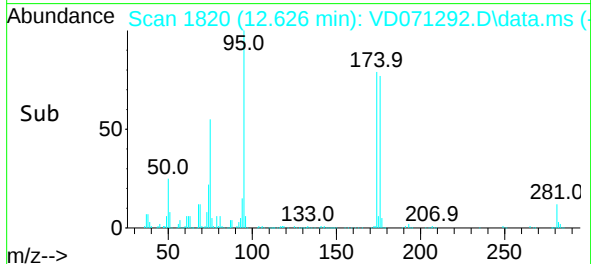
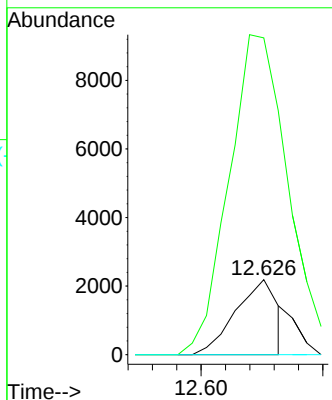
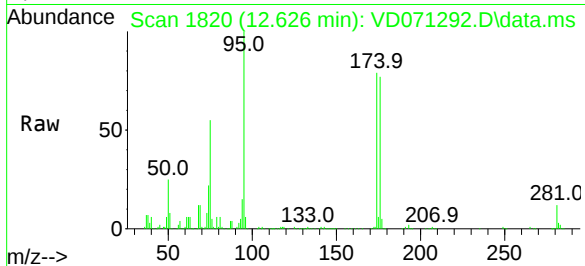




#71
Bromoform
Concen: 1.420 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

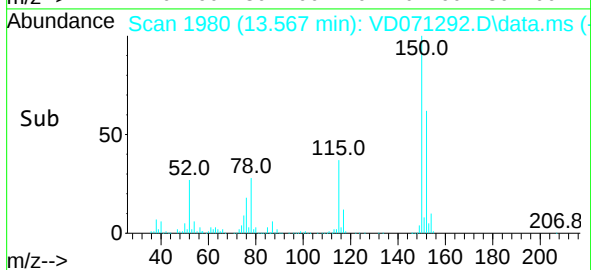
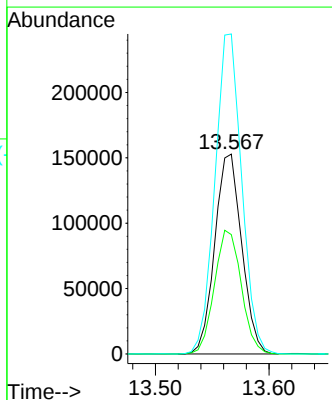
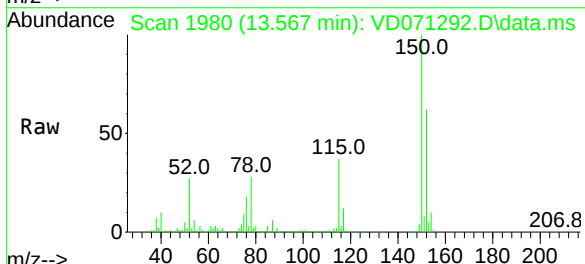
Instrument :
MSVOA_D
ClientSampleId :

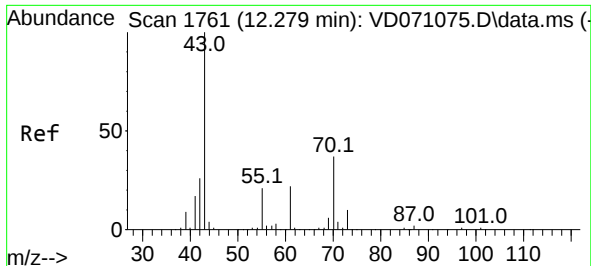
Tgt Ion:173 Resp: 2627
Ion Ratio Lower Upper
173 100
175 498.9 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

Tgt Ion:152 Resp: 252154
Ion Ratio Lower Upper
152 100
115 61.6 29.8 89.3
150 159.1 0.0 349.2

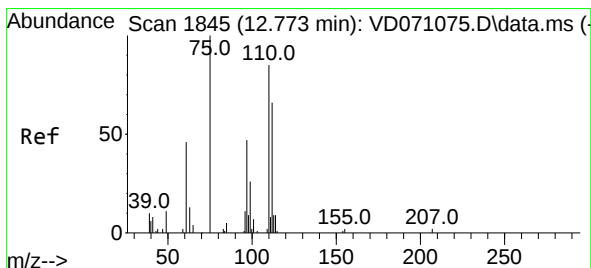
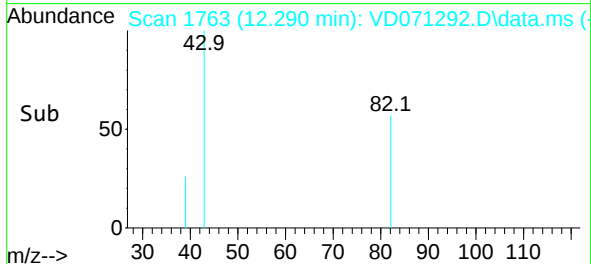
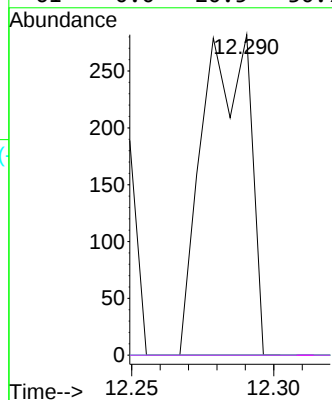
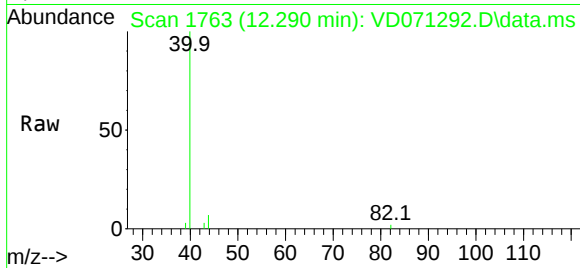




#74
N-amy1 acetate
Concen: 5.759 ug/l
RT: 12.290 min Scan# 11
Delta R.T. 0.011 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

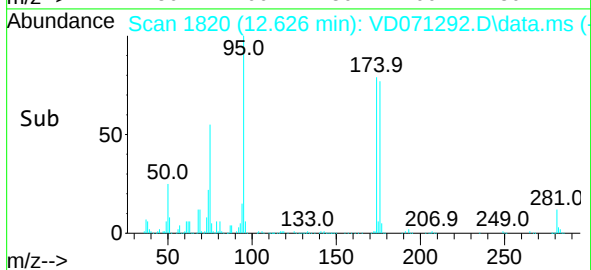
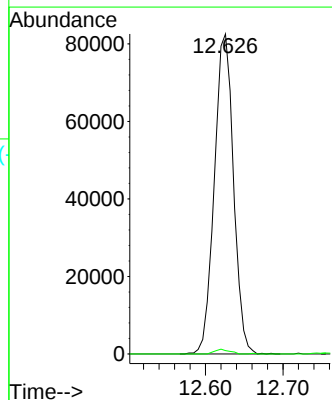
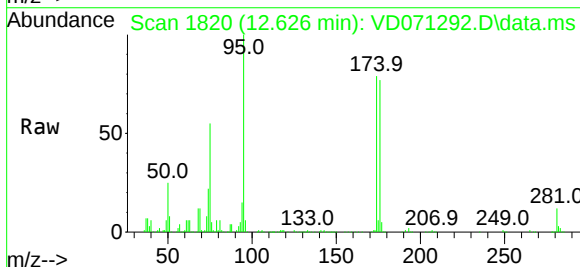
Instrument :
MSVOA_D
ClientSampleId :

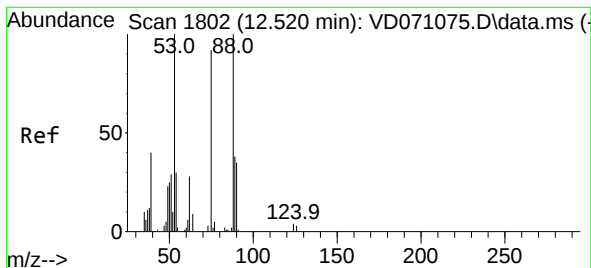
Tgt Ion: 43 Resp: 328
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 58.925 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071292.D
Acq: 13 Dec 2021 13:12

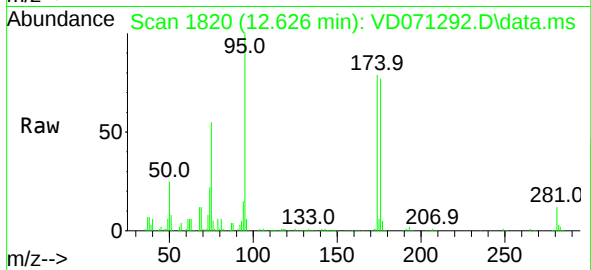
Tgt Ion: 75 Resp: 141563
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.681 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071292.D
 Acq: 13 Dec 2021 13:12

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 141563
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.2 34.5 51.7#

