

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071147.D
 Acq On : 04 Dec 2021 16:53
 Operator : VA/SY
 Sample : M4927-03
 Misc : 5.19G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 03:43:54 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)

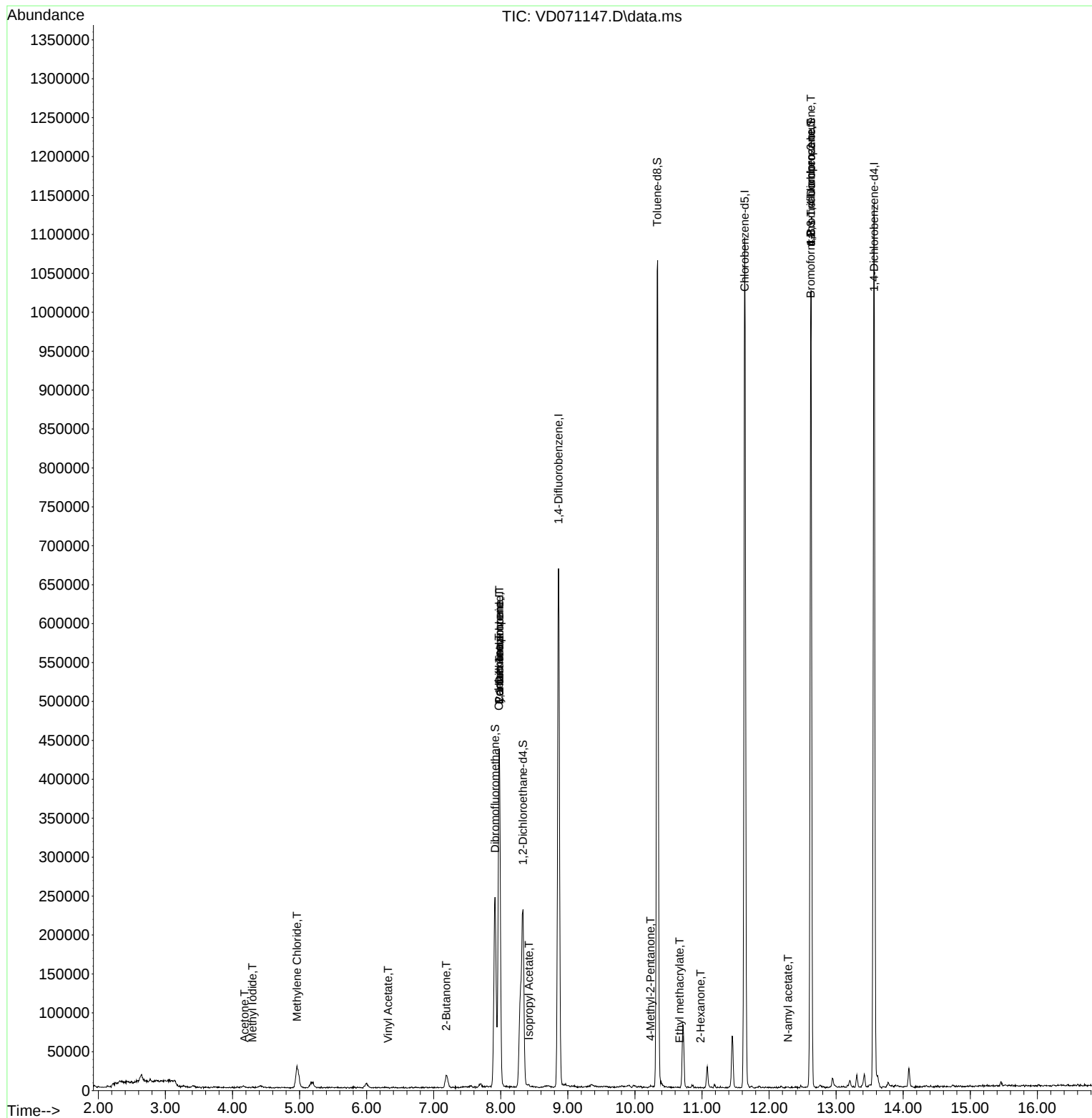
Internal Standards						
1) Pentafluorobenzene	7.979	168	310996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	534468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	573627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	277910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	174357	47.780	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.560%
35) Dibromofluoromethane	7.914	113	169708	49.864	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.720%
50) Toluene-d8	10.332	98	696978	53.813	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.620%
62) 4-Bromofluorobenzene	12.626	95	278462	62.024	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	124.040%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	60	4.576	ug/l #	40
11) Tert butyl alcohol	5.191	59	7064	Below Cal	#	73
16) Acetone	4.179	43	3845	34.275	ug/l	88
20) Methylene Chloride	4.961	84	19065	1.092	ug/l #	86
23) Vinyl Acetate	6.320	43	144	27.240	ug/l #	72
25) 2-Butanone	7.185	43	842	29.026	ug/l #	45
31) Cyclohexane	7.973	56	9073	1.462	ug/l #	33
36) 1,1-Dichloropropene	7.979	75	27691	5.543	ug/l #	50
38) Carbon Tetrachloride	7.979	117	33622	6.828	ug/l #	15
41) Methacrylonitrile	7.526	41	78	Below Cal	#	1
43) Isopropyl Acetate	8.420	43	172	5.255	ug/l #	47
51) 4-Methyl-2-Pentanone	10.232	43	974	31.003	ug/l #	34
56) Ethyl methacrylate	10.667	69	166	6.012	ug/l #	34
59) 2-Hexanone	10.979	43	124	34.632	ug/l	85
71) Bromoform	12.620	173	2520	1.252	ug/l #	1
74) N-amyl acetate	12.285	43	170	5.728	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	159112	60.092	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	159112	130.095	ug/l #	19

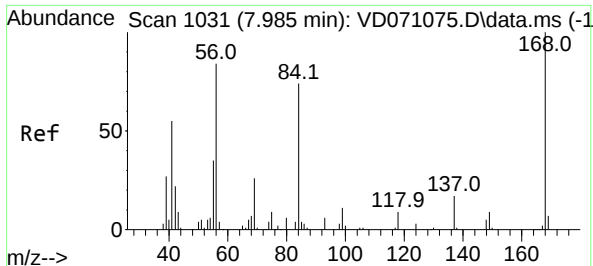
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 06 03:43:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
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QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

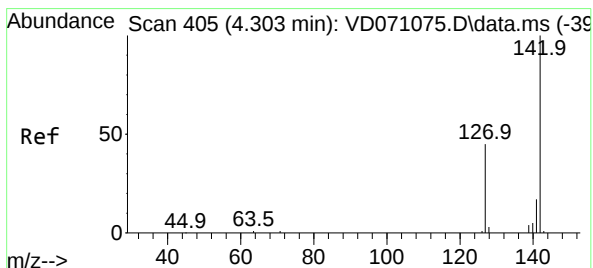
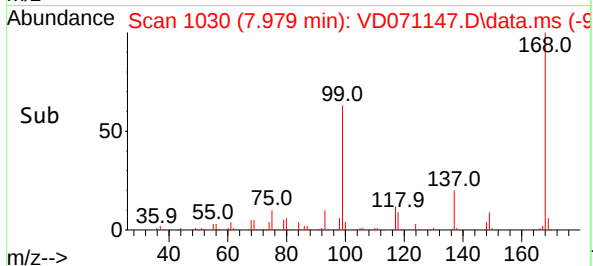
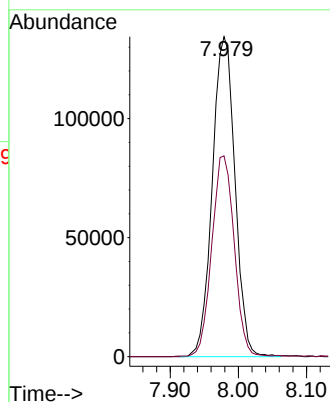
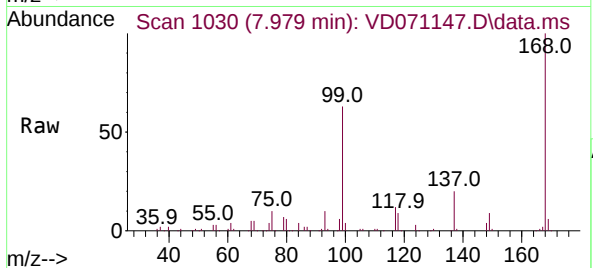




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071147.D
Acq: 04 Dec 2021 16:53

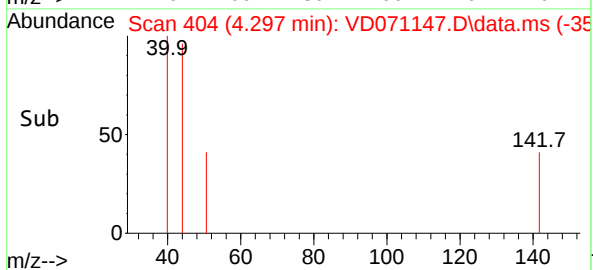
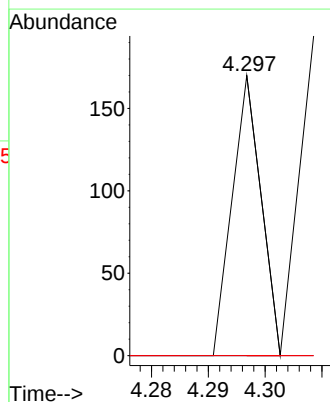
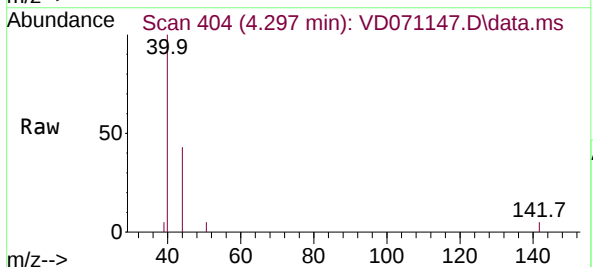
Instrument :
MSVOA_D
ClientSampleId :

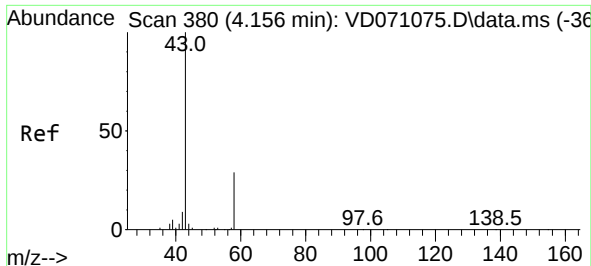
Tgt Ion:168 Resp: 310996
Ion Ratio Lower Upper
168 100
99 62.6 46.6 69.8



#10
Methyl Iodide
Concen: 4.576 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071147.D
Acq: 04 Dec 2021 16:53

Tgt Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

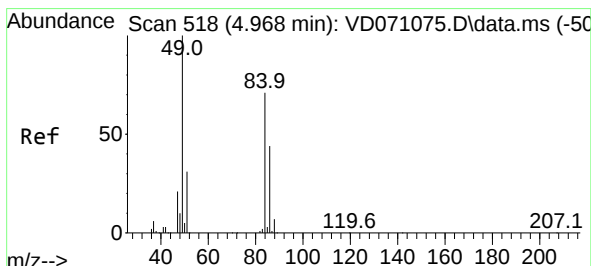
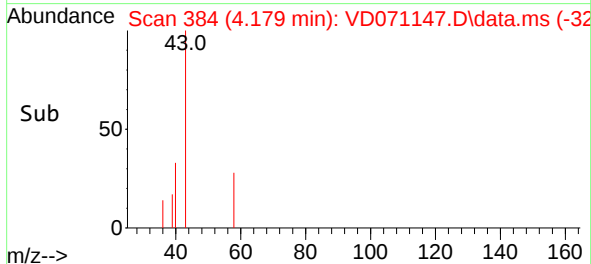
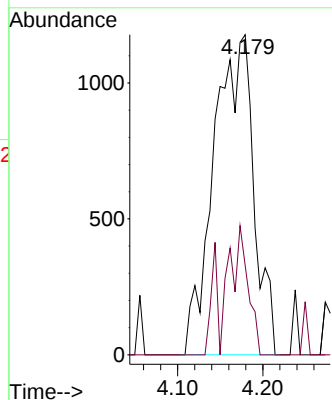
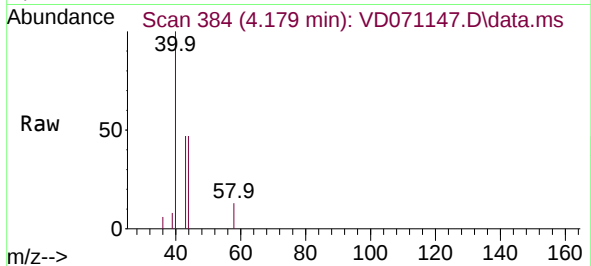




#16
Acetone
Concen: 34.275 ug/l
RT: 4.179 min Scan# 384
Delta R.T. 0.023 min
Lab File: VD071147.D
Acq: 04 Dec 2021 16:53

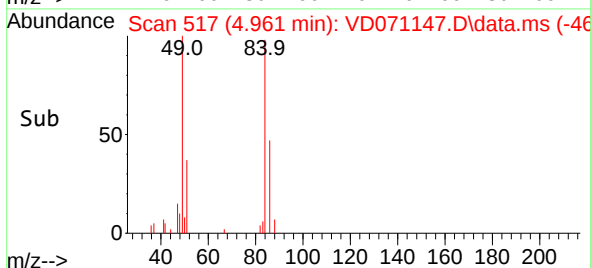
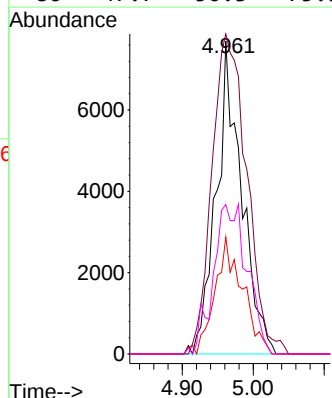
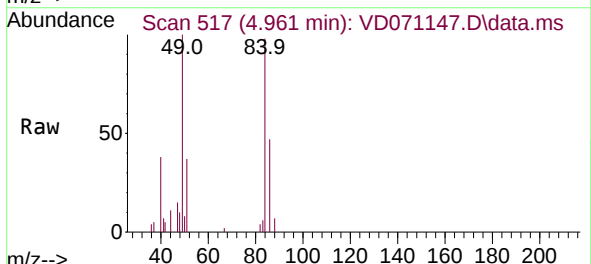
Instrument :
MSVOA_D
ClientSampleId :

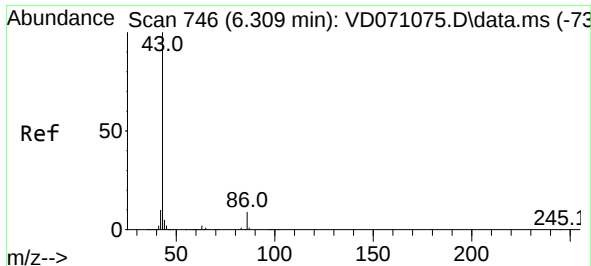
Tgt Ion: 43 Resp: 3845
Ion Ratio Lower Upper
43 100
58 27.9 27.8 41.8



#20
Methylene Chloride
Concen: 1.092 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.007 min
Lab File: VD071147.D
Acq: 04 Dec 2021 16:53

Tgt Ion: 84 Resp: 19065
Ion Ratio Lower Upper
84 100
49 102.2 95.8 143.6
51 37.3 30.9 46.3
86 47.7 50.3 75.5#

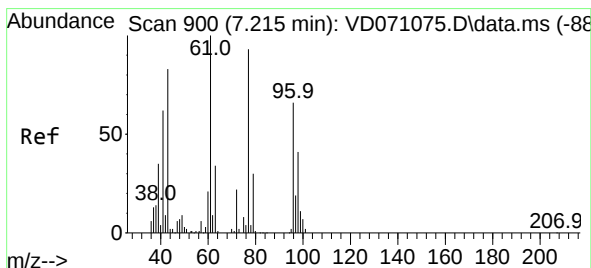
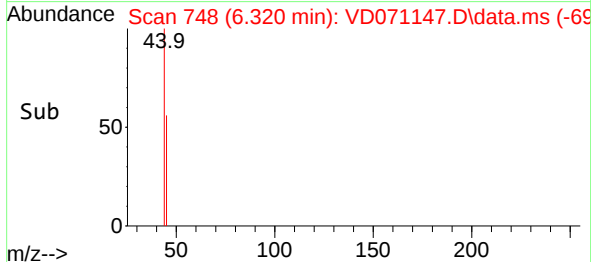
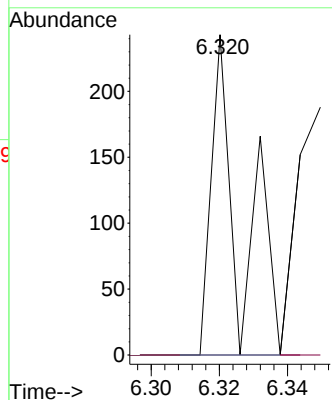
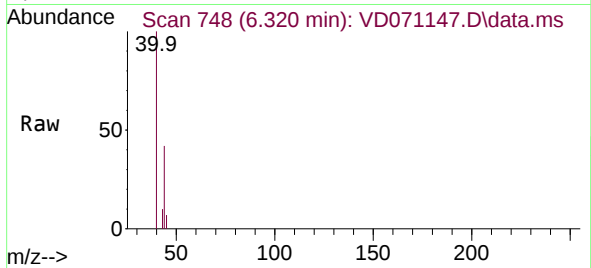




#23
 Vinyl Acetate
 Concen: 27.240 ug/l
 RT: 6.320 min Scan# 746
 Delta R.T. 0.011 min
 Lab File: VD071147.D
 Acq: 04 Dec 2021 16:53

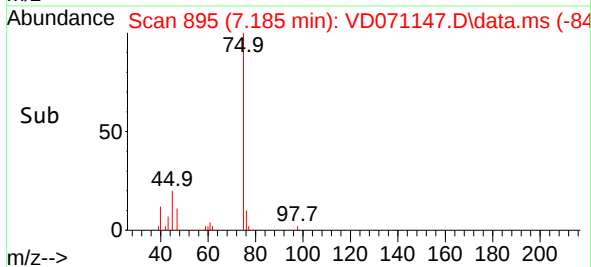
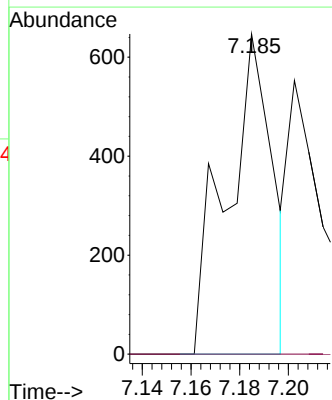
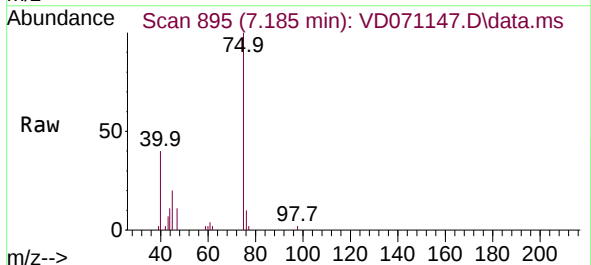
Instrument :
 MSVOA_D
 ClientSampleId :

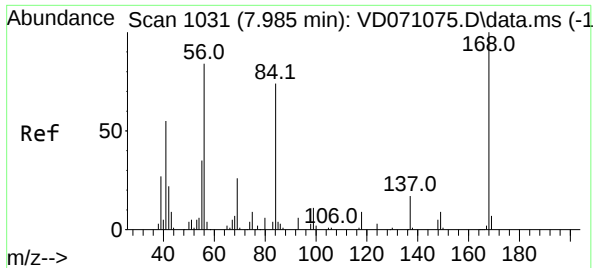
Tgt Ion: 43 Resp: 144
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.026 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.030 min
 Lab File: VD071147.D
 Acq: 04 Dec 2021 16:53

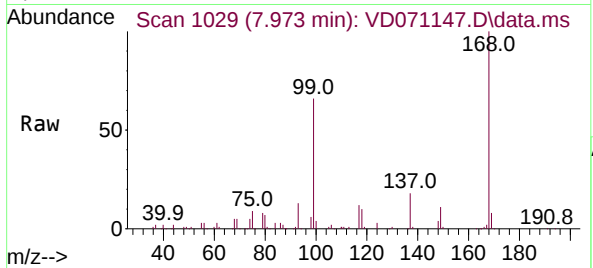
Tgt Ion: 43 Resp: 842
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



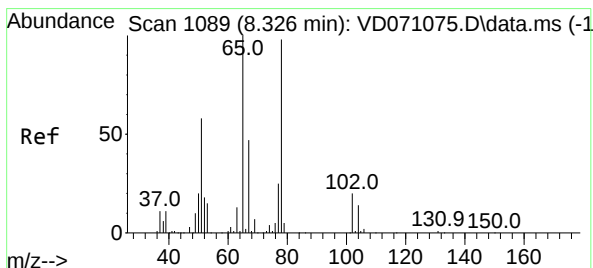
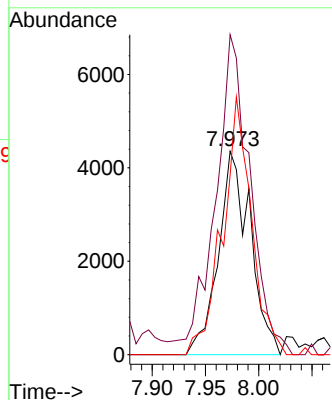
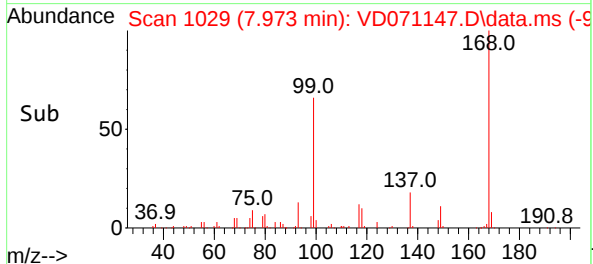


#31
Cyclohexane
Concen: 1.462 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071147.D
Acq: 04 Dec 2021 16:53

Instrument :
MSVOA_D
ClientSampleId :

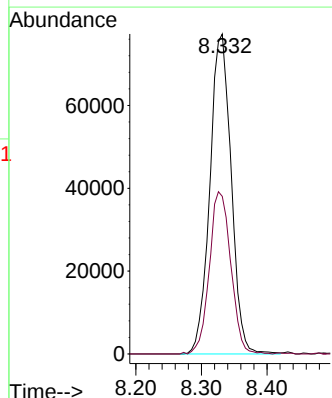
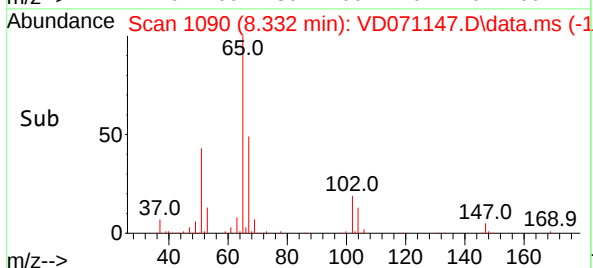
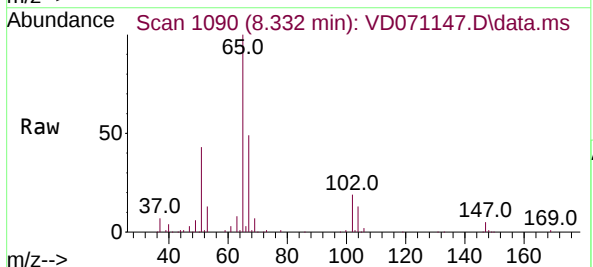


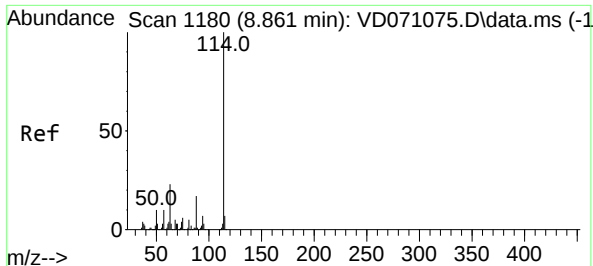
Tgt Ion: 56 Resp: 9073
Ion Ratio Lower Upper
56 100
69 150.1 25.9 38.9#
84 88.3 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 47.780 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071147.D
Acq: 04 Dec 2021 16:53

Tgt Ion: 65 Resp: 174357
Ion Ratio Lower Upper
65 100
67 51.0 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: VD071147.D

Acq: 04 Dec 2021 16:53

Instrument :

MSVOA_D

ClientSampleId :

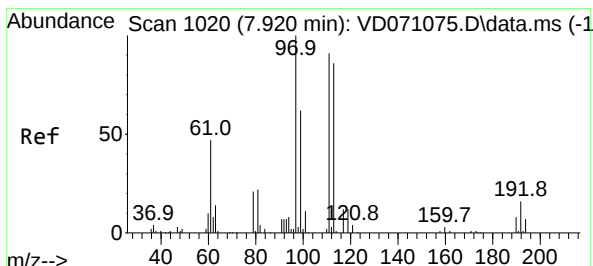
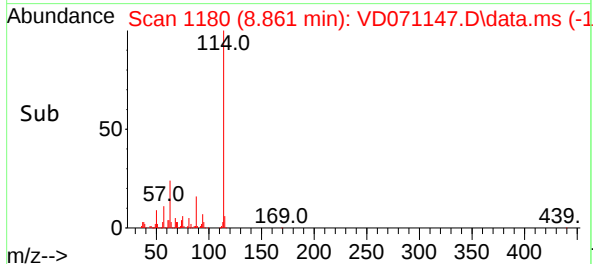
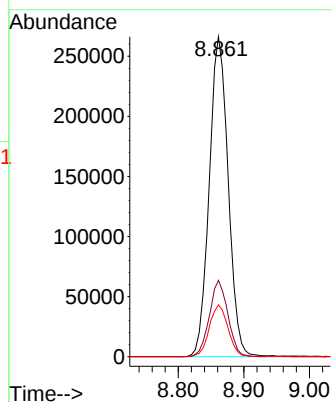
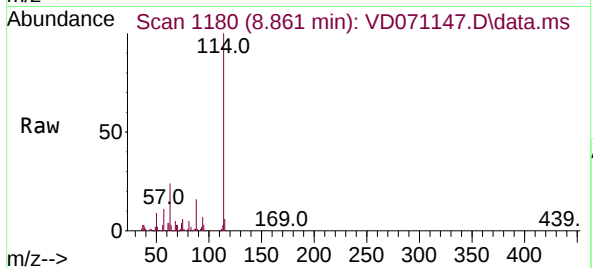
Tgt Ion:114 Resp: 534468

Ion Ratio Lower Upper

114 100

63 23.9 0.0 41.8

88 16.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.864 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071147.D

Acq: 04 Dec 2021 16:53

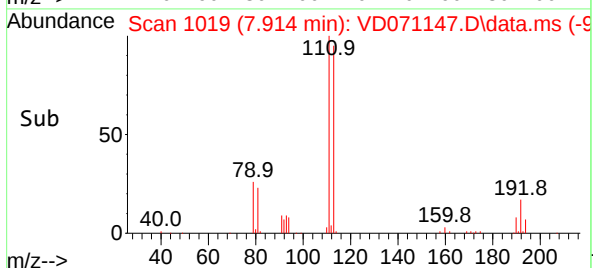
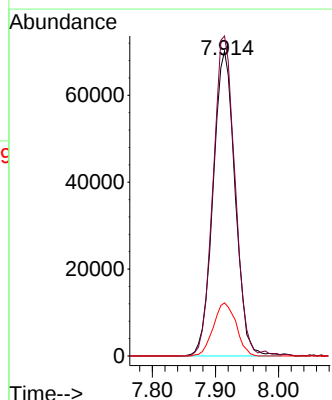
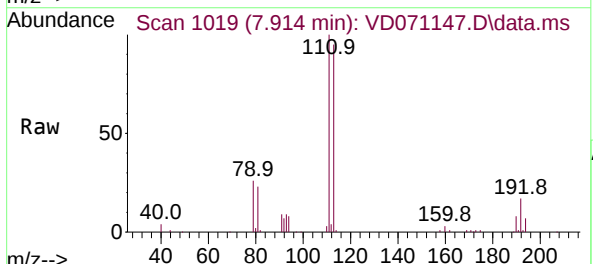
Tgt Ion:113 Resp: 169708

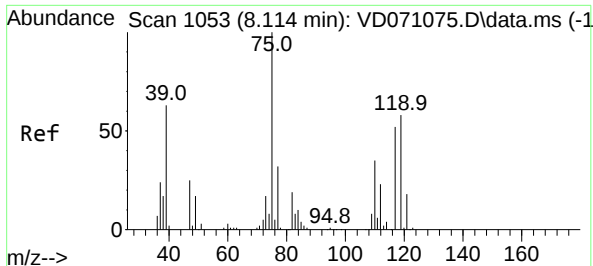
Ion Ratio Lower Upper

113 100

111 104.8 82.0 123.0

192 18.0 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.543 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

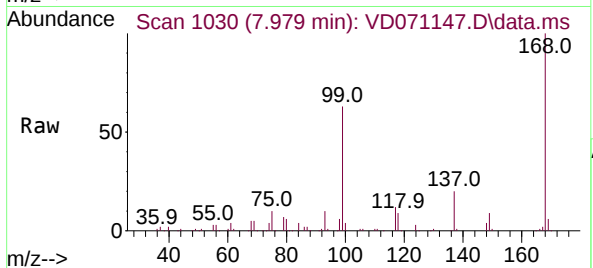
Lab File: VD071147.D

Acq: 04 Dec 2021 16:53

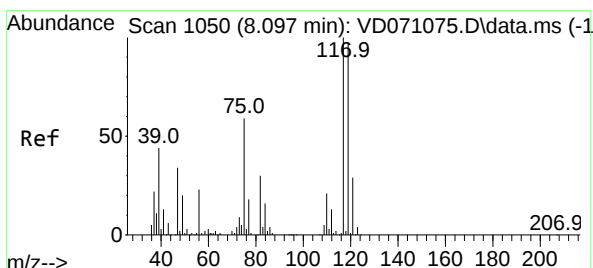
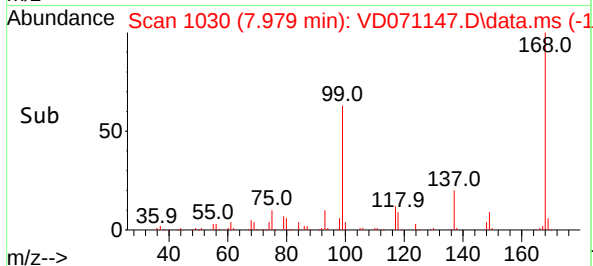
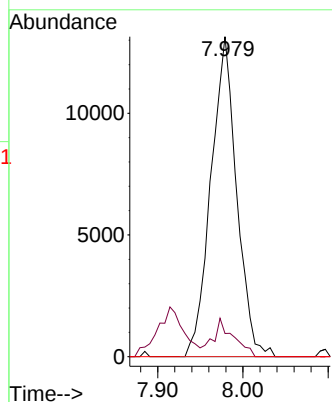
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 27691
Ion Ratio	Lower Upper
75	100
110	9.5 17.8 53.4#
77	0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.828 ug/l

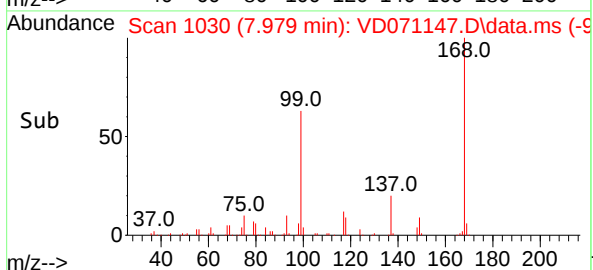
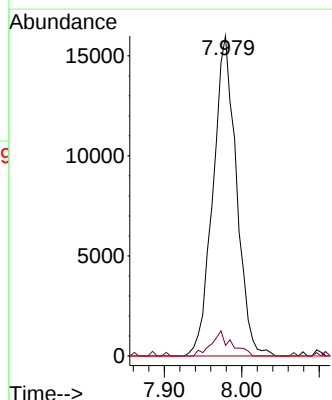
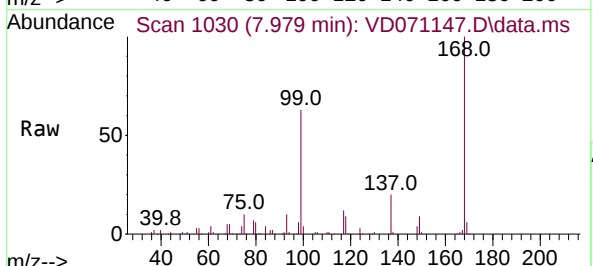
RT: 7.979 min Scan# 1030

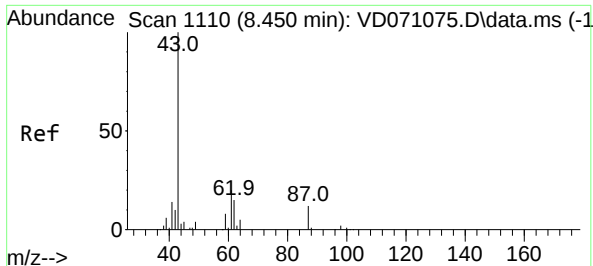
Delta R.T. -0.118 min

Lab File: VD071147.D

Acq: 04 Dec 2021 16:53

Tgt Ion: 117	Resp: 33622
Ion Ratio	Lower Upper
117	100
119	3.3 75.8 113.6#
121	0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.255 ug/l

RT: 8.420 min Scan# 1110

Delta R.T. -0.030 min

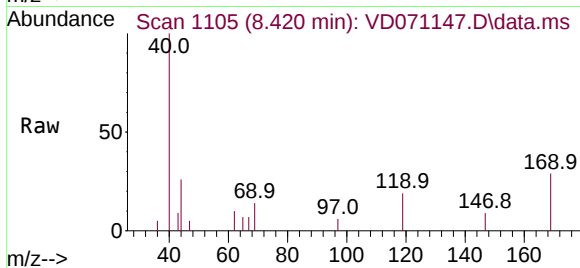
Lab File: VD071147.D

Acq: 04 Dec 2021 16:53

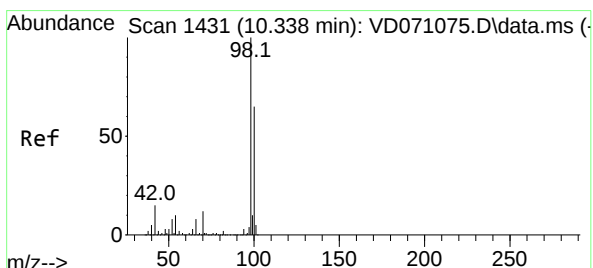
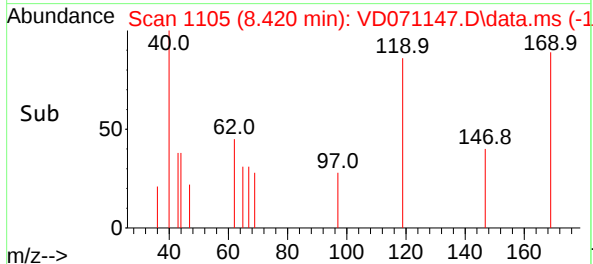
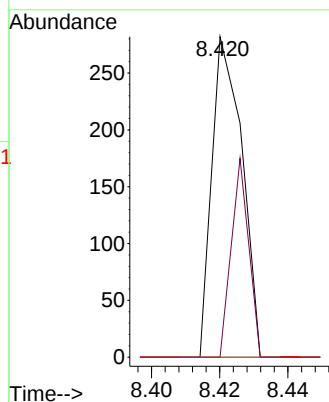
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 172
Ion Ratio	Lower Upper
43	100
61	0.0 28.2 42.4#
87	0.0 10.7 16.1#



#50

Toluene-d8

Concen: 53.813 ug/l

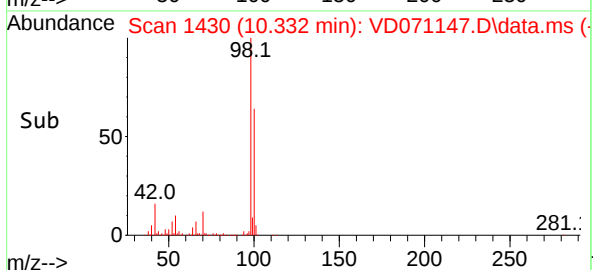
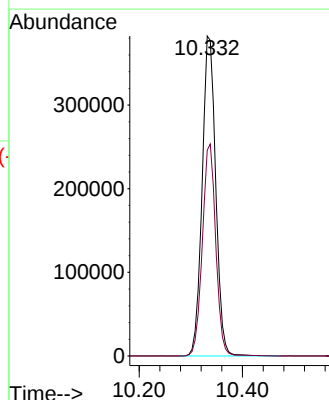
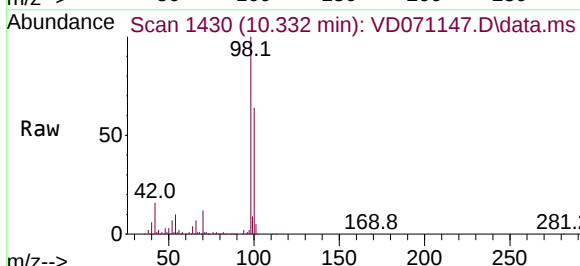
RT: 10.332 min Scan# 1430

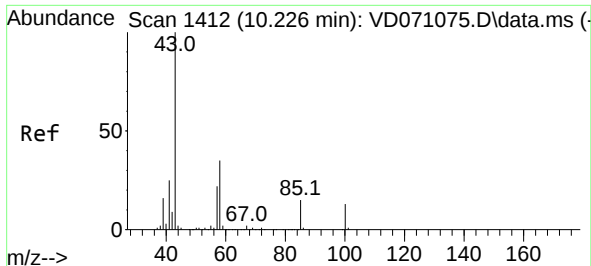
Delta R.T. -0.006 min

Lab File: VD071147.D

Acq: 04 Dec 2021 16:53

Tgt Ion: 98	Resp: 696978
Ion Ratio	Lower Upper
98	100
100	65.4 51.8 77.6

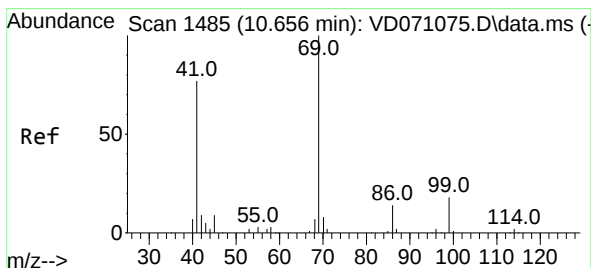
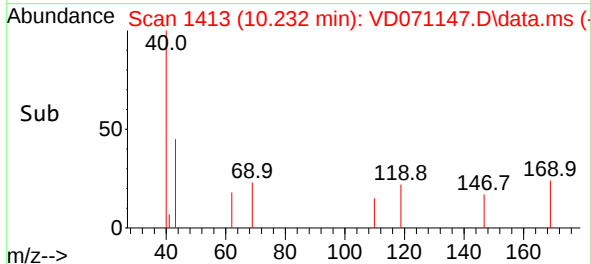
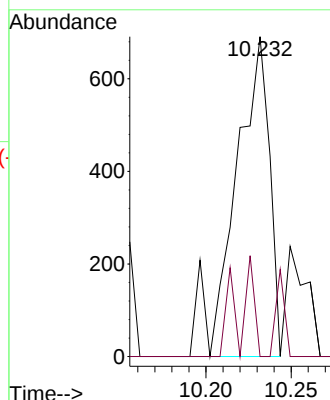
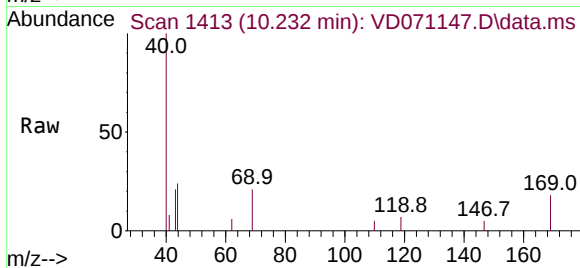




#51
4-Methyl-2-Pentanone
Concen: 31.003 ug/l
RT: 10.232 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD071147.D
Acq: 04 Dec 2021 16:53

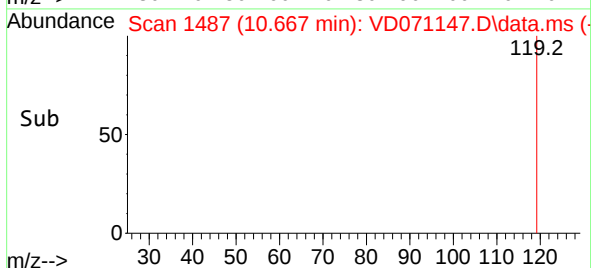
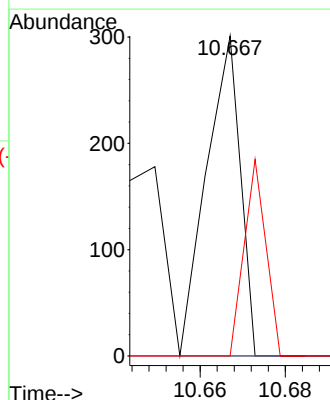
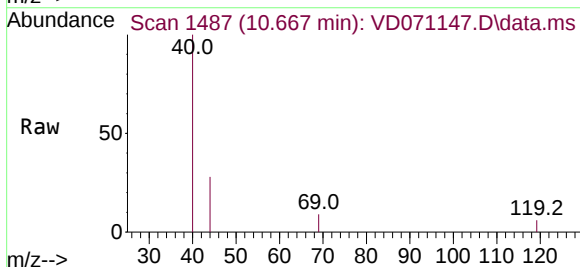
Instrument :
MSVOA_D
ClientSampleId :

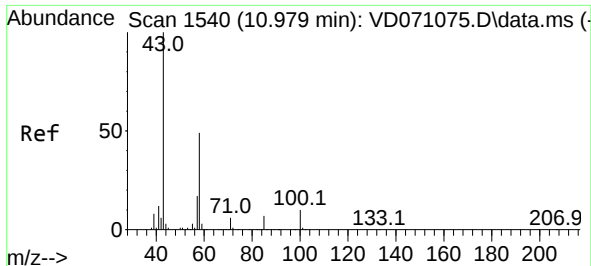
Tgt Ion: 43 Resp: 974
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.012 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.011 min
Lab File: VD071147.D
Acq: 04 Dec 2021 16:53

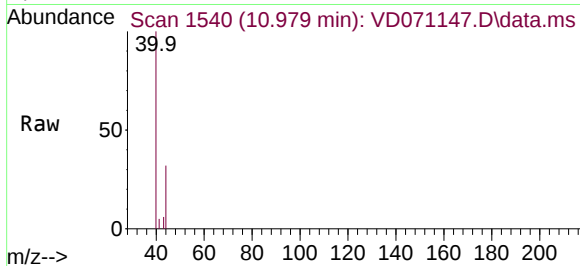
Tgt Ion: 69 Resp: 166
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 39.2 19.8 29.8#



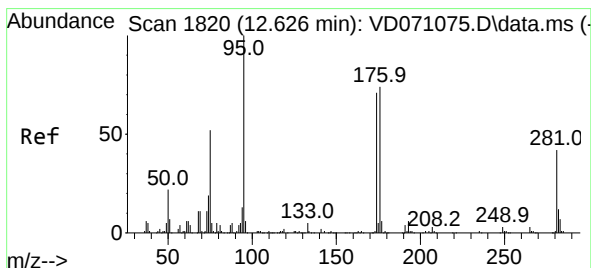
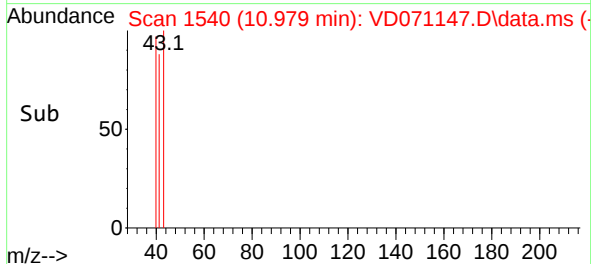
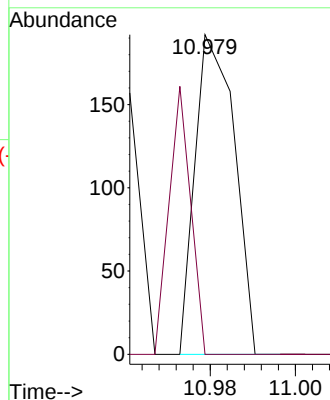


#59
2-Hexanone
Concen: 34.632 ug/l
RT: 10.979 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071147.D
Acq: 04 Dec 2021 16:53

Instrument :
MSVOA_D
ClientSampleId :

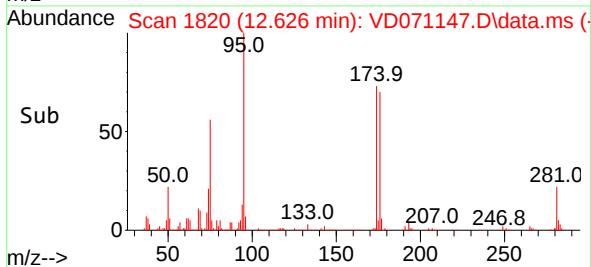
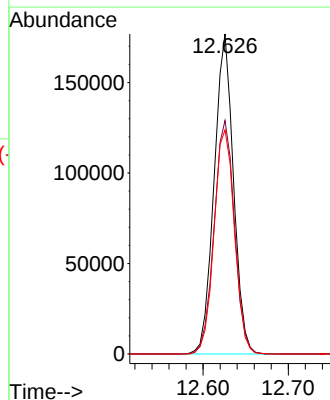
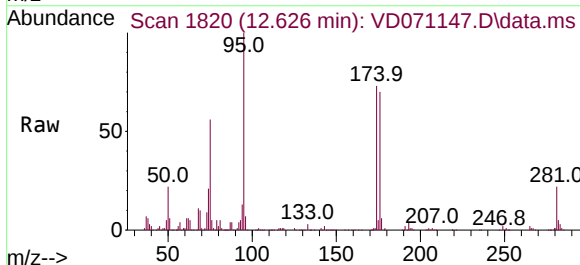


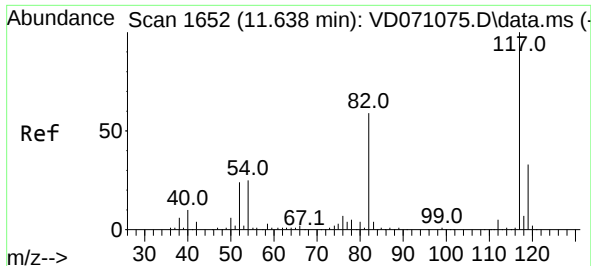
Tgt Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
58 46.0 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 62.024 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071147.D
Acq: 04 Dec 2021 16:53

Tgt Ion: 95 Resp: 278462
Ion Ratio Lower Upper
95 100
174 76.6 0.0 159.4
176 73.8 0.0 154.0

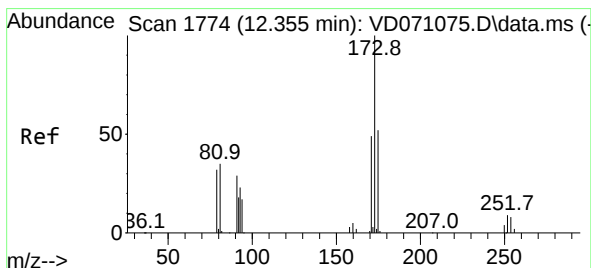
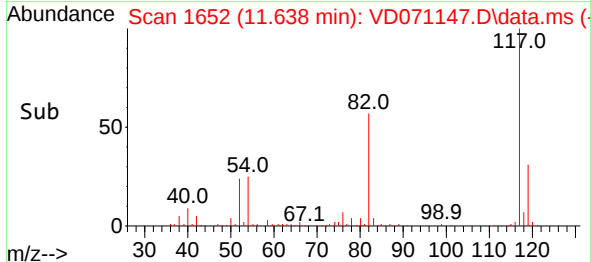
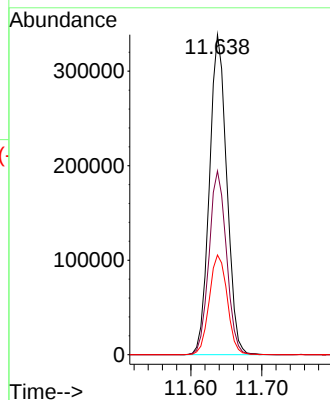
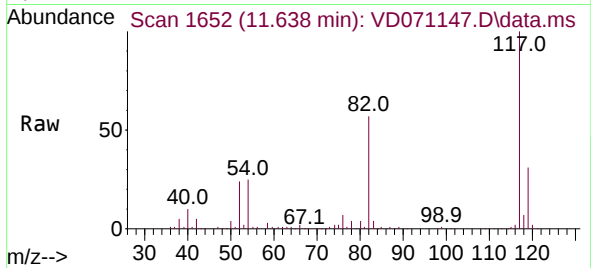




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071147.D
Acq: 04 Dec 2021 16:53

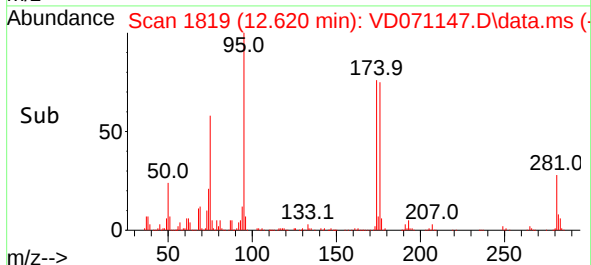
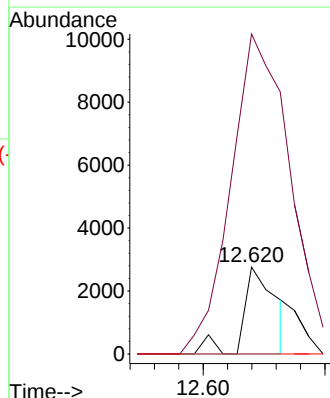
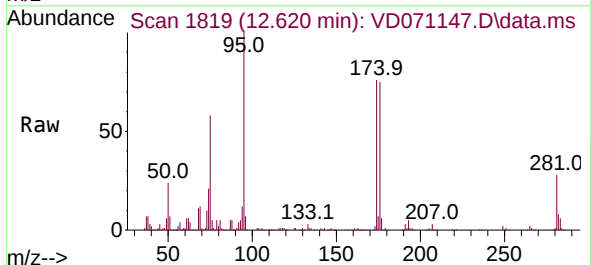
Instrument :
MSVOA_D
ClientSampleId :

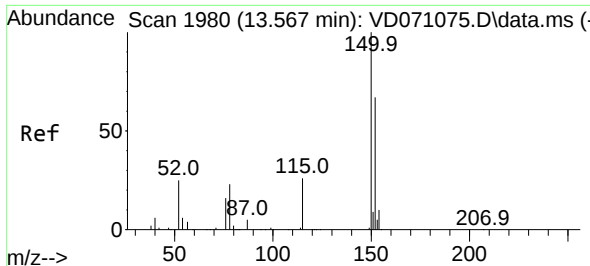
Tgt Ion:117 Resp: 573627
Ion Ratio Lower Upper
117 100
82 57.4 44.7 67.1
119 31.2 26.2 39.4



#71
Bromoform
Concen: 1.252 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071147.D
Acq: 04 Dec 2021 16:53

Tgt Ion:173 Resp: 2520
Ion Ratio Lower Upper
173 100
175 563.0 24.1 72.2#
254 0.0 0.1 0.1#

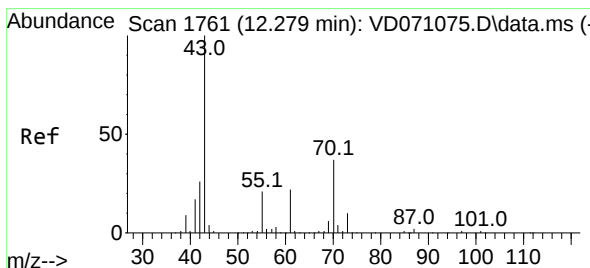
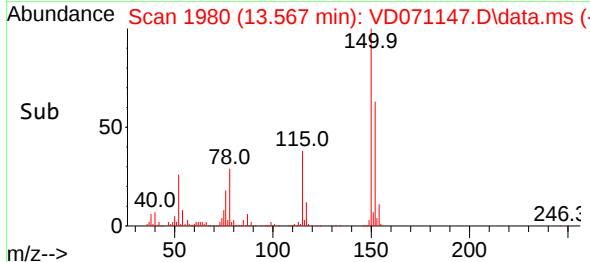
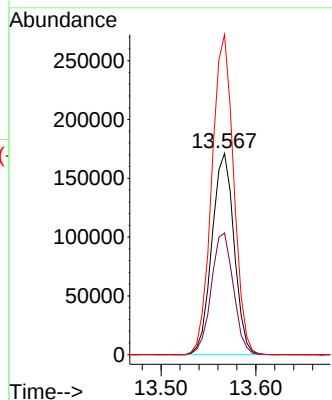
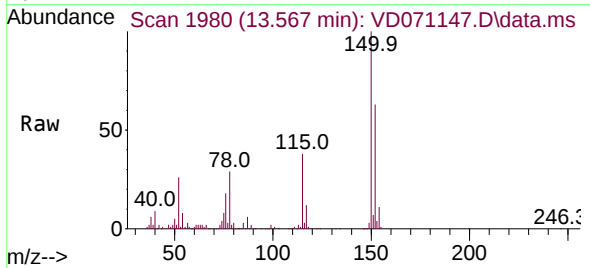




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD071147.D
 Acq: 04 Dec 2021 16:53

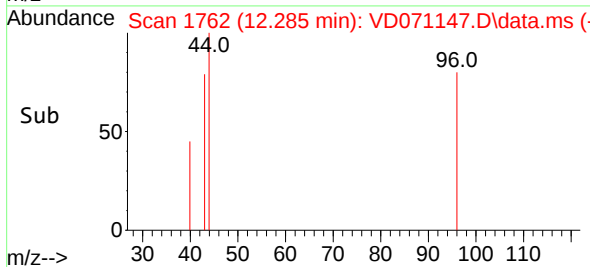
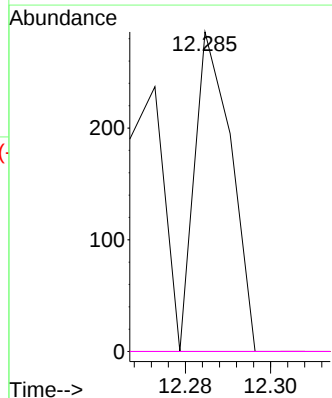
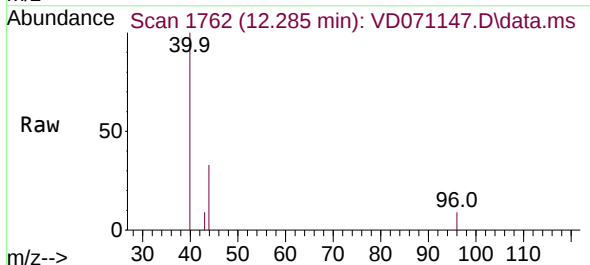
Instrument :
 MSVOA_D
 ClientSampleId :

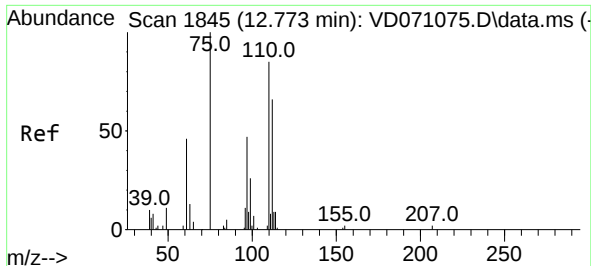
Tgt Ion:152 Resp: 277910
 Ion Ratio Lower Upper
 152 100
 115 60.5 29.8 89.3
 150 156.7 0.0 349.2



#74
 N-ethyl acetate
 Concen: 5.728 ug/l
 RT: 12.285 min Scan# 1762
 Delta R.T. 0.006 min
 Lab File: VD071147.D
 Acq: 04 Dec 2021 16:53

Tgt Ion: 43 Resp: 170
 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#

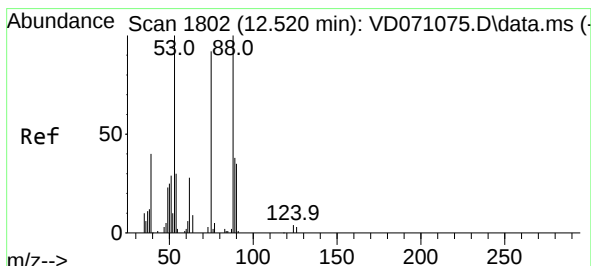
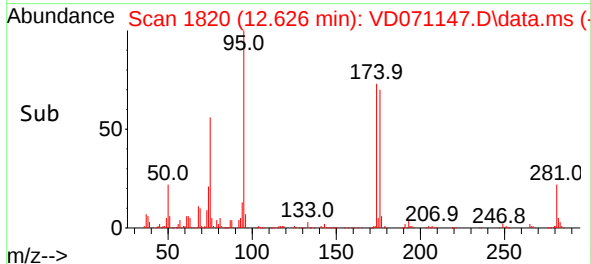
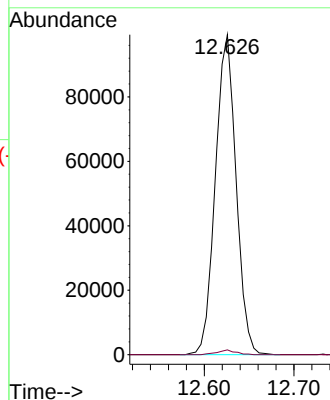
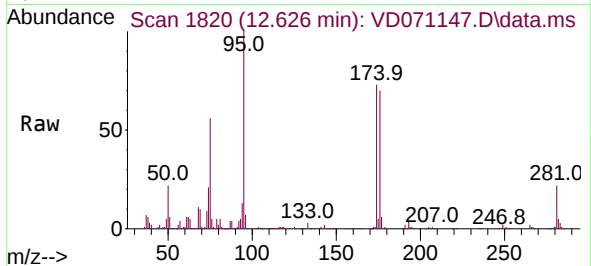




#76
1,2,3-Trichloropropane
Concen: 60.092 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071147.D
Acq: 04 Dec 2021 16:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 159112
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.095 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071147.D
Acq: 04 Dec 2021 16:53

Tgt Ion: 75 Resp: 159112
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.5 34.5 51.7#

