

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111521\
 Data File : VD071029.D
 Acq On : 15 Nov 2021 15:44
 Operator : VA/SY
 Sample : M4603-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 16 03:21:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

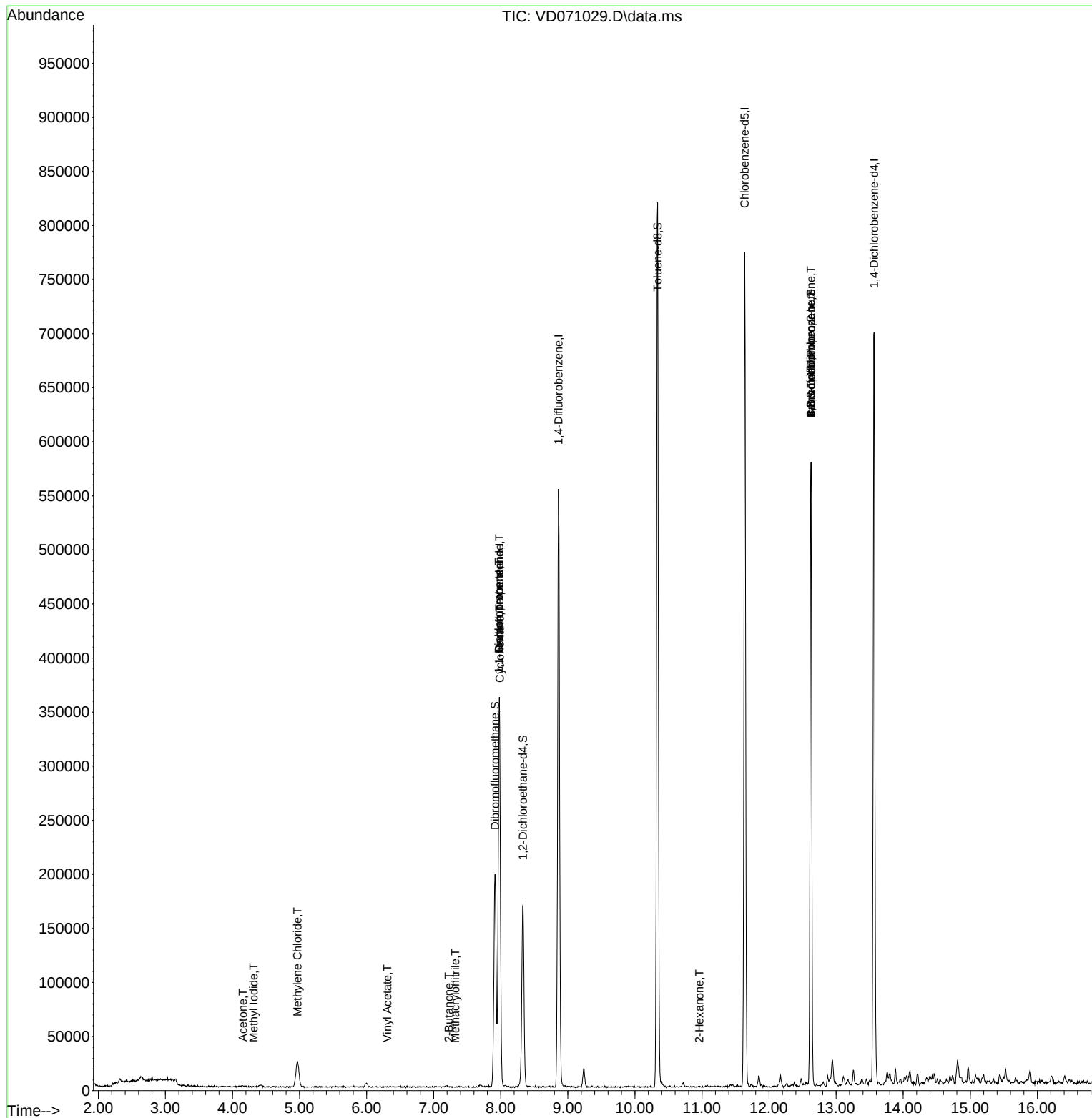
Internal Standards						
1) Pentafluorobenzene	7.979	168	249126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	445820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	408099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	174251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	134957	50.880	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.760%			
35) Dibromofluoromethane	7.914	113	138114	54.901	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.800%			
50) Toluene-d8	10.338	98	544438	55.262	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.520%			
62) 4-Bromofluorobenzene	12.626	95	186988	52.713	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.420%			
Target Compounds						Qvalue
10) Methyl Iodide	4.314	142	71	6.043	ug/l #	40
16) Acetone	4.156	43	2539	23.060	ug/l #	65
20) Methylene Chloride	4.967	84	17720	5.498	ug/l	89
23) Vinyl Acetate	6.308	43	78	20.996	ug/l #	72
25) 2-Butanone	7.226	43	323	20.688	ug/l #	45
31) Cyclohexane	7.985	56	7052	1.293	ug/l #	31
36) 1,1-Dichloropropene	7.973	75	22559	5.667	ug/l #	50
38) Carbon Tetrachloride	7.979	117	27413	7.478	ug/l #	17
41) Methacrylonitrile	7.320	41	65	3.551	ug/l #	12
59) 2-Hexanone	10.961	43	1038	16.602	ug/l #	22
71) Bromoform	12.626	173	1671	1.240	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	100747	67.686	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	100747	124.990	ug/l #	18

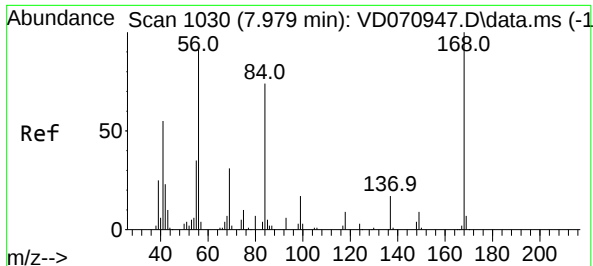
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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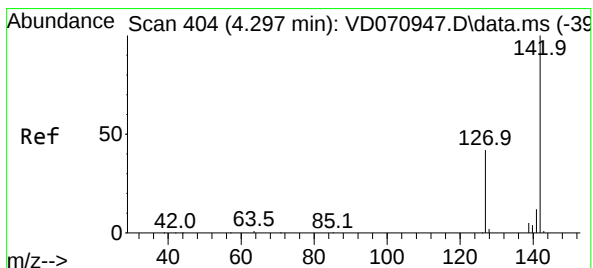
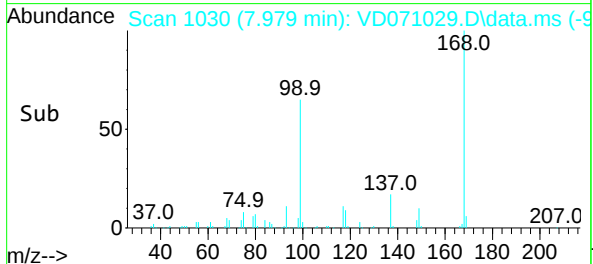
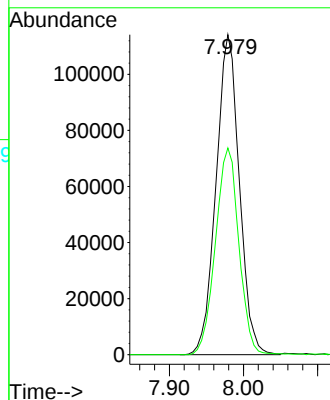
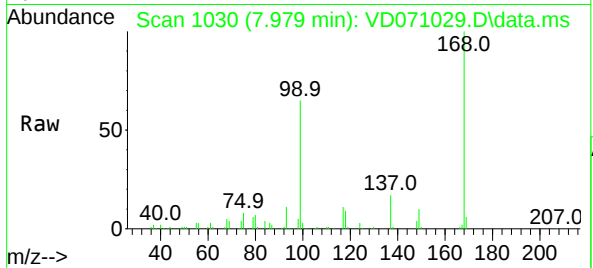




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071029.D
Acq: 15 Nov 2021 15:44

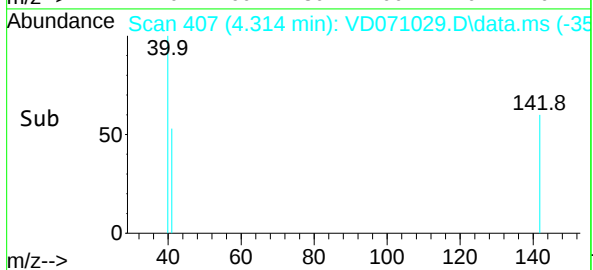
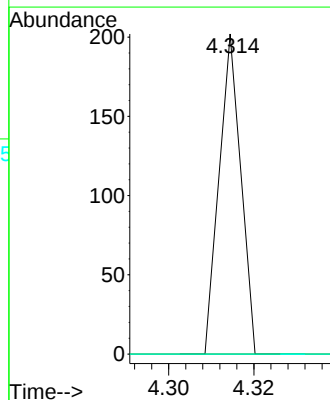
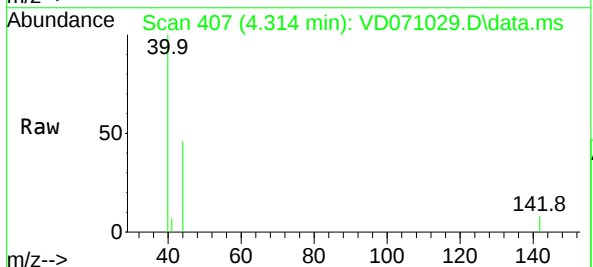
Instrument :
MSVOA_D
ClientSampleId :

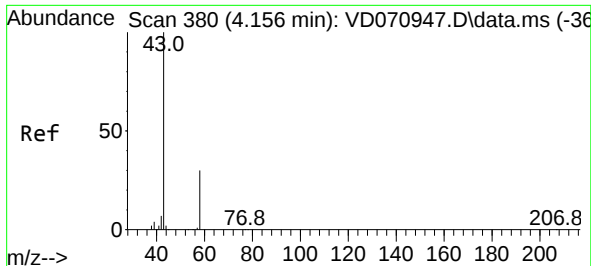
Tgt Ion:168 Resp: 249126
Ion Ratio Lower Upper
168 100
99 64.6 46.6 69.8



#10
Methyl Iodide
Concen: 6.043 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD071029.D
Acq: 15 Nov 2021 15:44

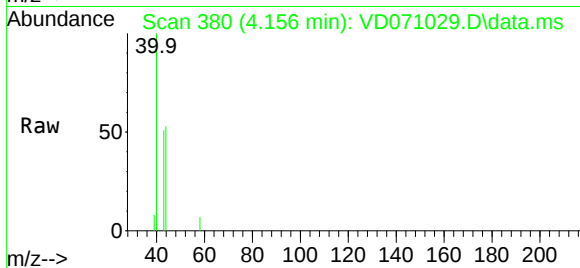
Tgt Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



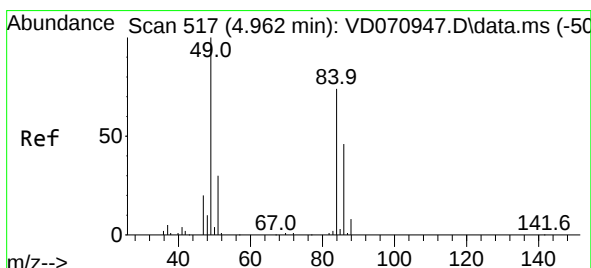
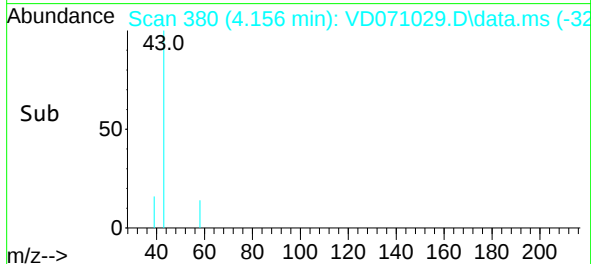
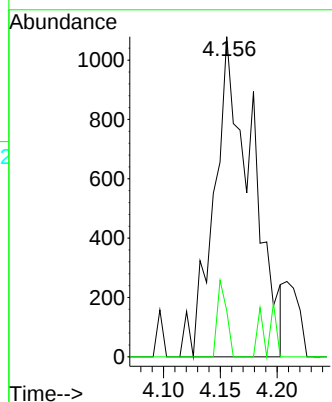


#16
Acetone
Concen: 23.060 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071029.D
Acq: 15 Nov 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :

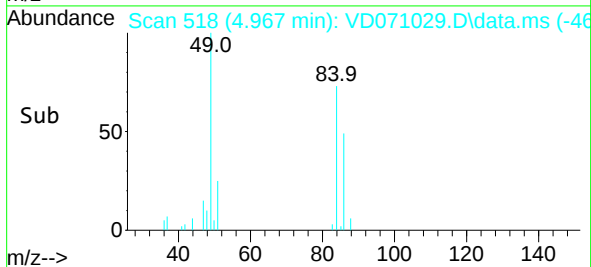
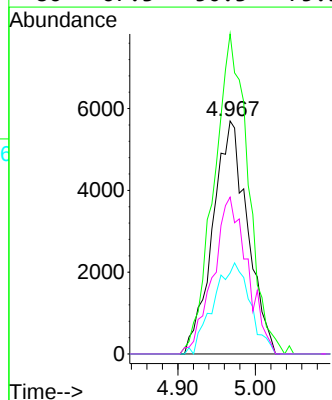
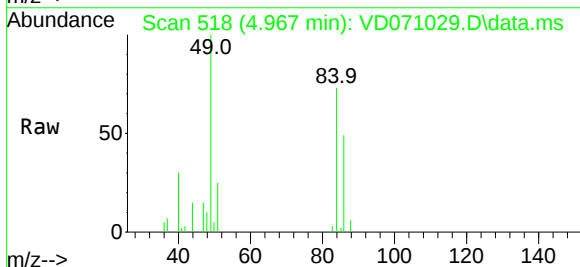


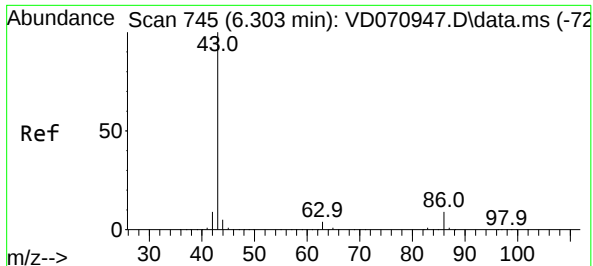
Tgt Ion: 43 Resp: 2539
Ion Ratio Lower Upper
43 100
58 14.4 27.8 41.8#



#20
Methylene Chloride
Concen: 5.498 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD071029.D
Acq: 15 Nov 2021 15:44

Tgt Ion: 84 Resp: 17720
Ion Ratio Lower Upper
84 100
49 137.3 95.8 143.6
51 34.8 30.9 46.3
86 67.3 50.3 75.5

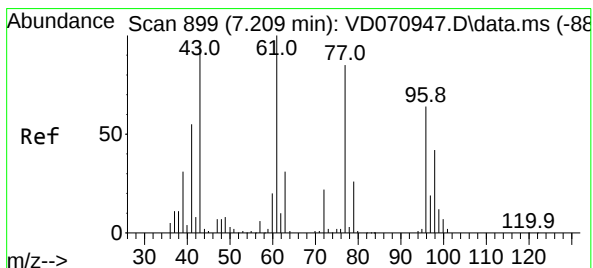
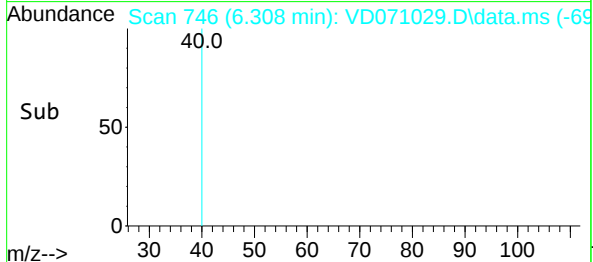
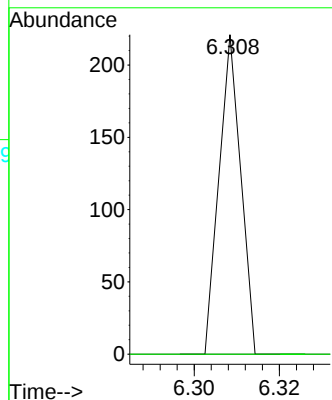
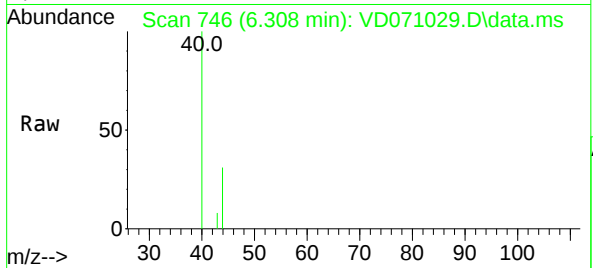




#23
 Vinyl Acetate
 Concen: 20.996 ug/l
 RT: 6.308 min Scan# 745
 Delta R.T. 0.005 min
 Lab File: VD071029.D
 Acq: 15 Nov 2021 15:44

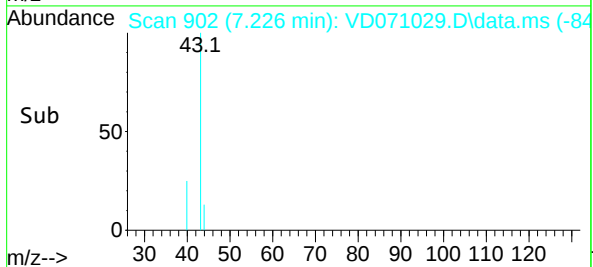
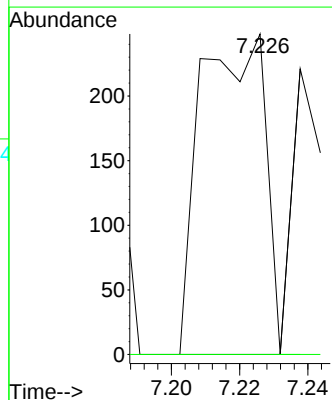
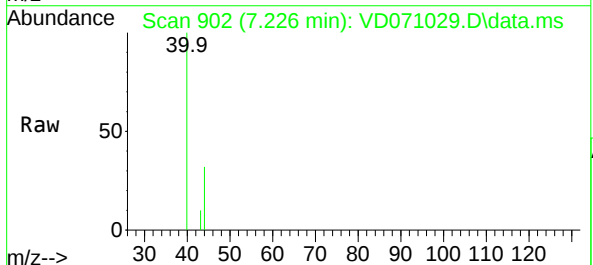
Instrument :
 MSVOA_D
 ClientSampleId :

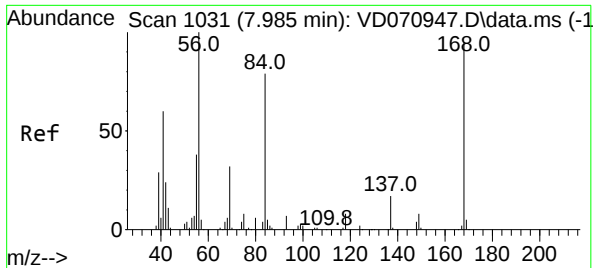
Tgt Ion: 43 Resp: 78
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 20.688 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.017 min
 Lab File: VD071029.D
 Acq: 15 Nov 2021 15:44

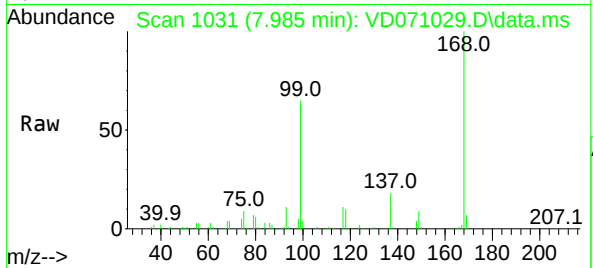
Tgt Ion: 43 Resp: 323
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



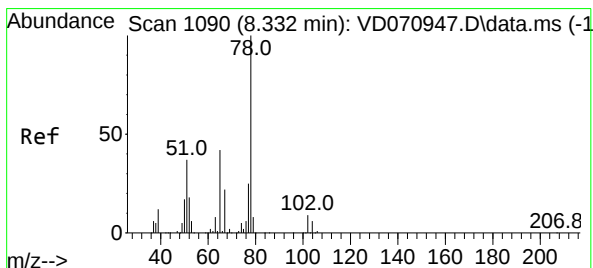
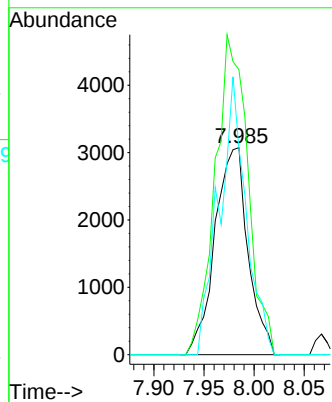
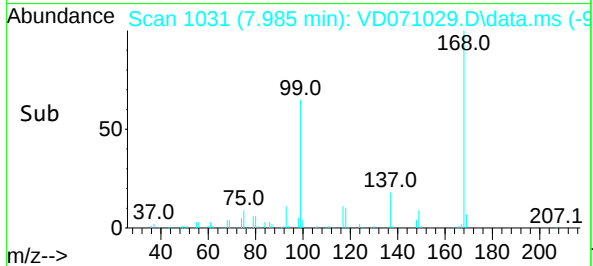


#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071029.D
Acq: 15 Nov 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :

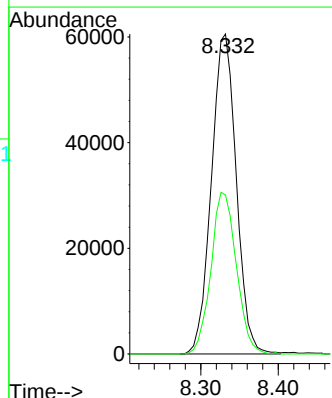
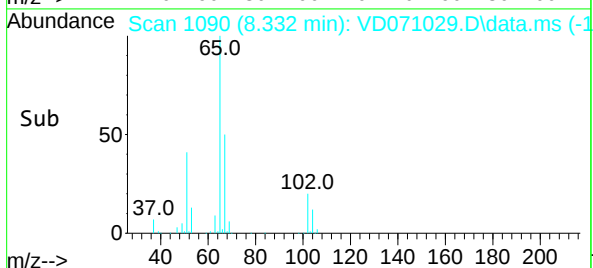
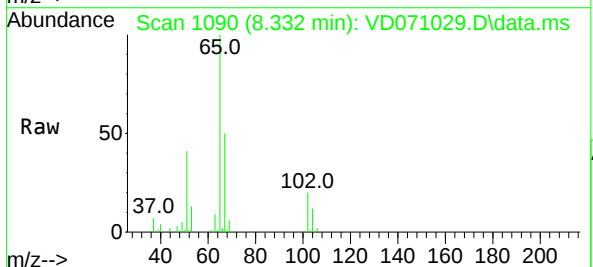


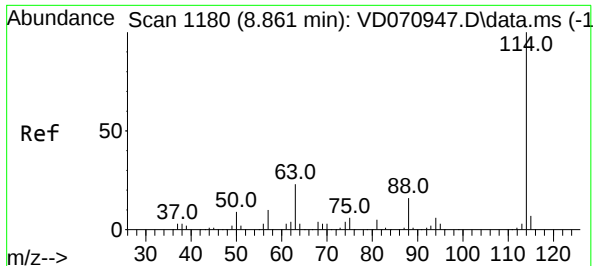
Tgt Ion: 56 Resp: 7052
Ion Ratio Lower Upper
56 100
69 137.6 25.9 38.9#
84 99.5 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 50.880 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD071029.D
Acq: 15 Nov 2021 15:44

Tgt Ion: 65 Resp: 134957
Ion Ratio Lower Upper
65 100
67 51.6 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: VD071029.D

Acq: 15 Nov 2021 15:44

Instrument :

MSVOA_D

ClientSampleId :

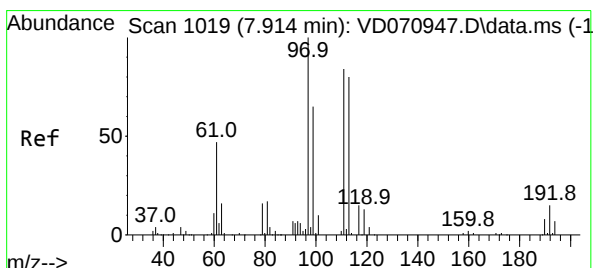
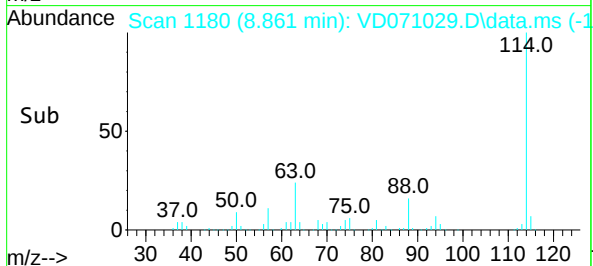
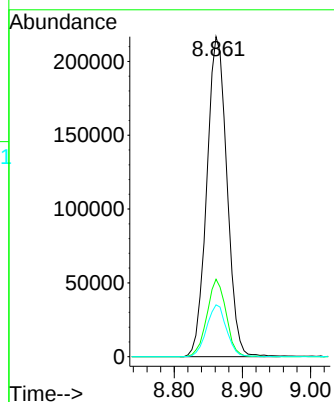
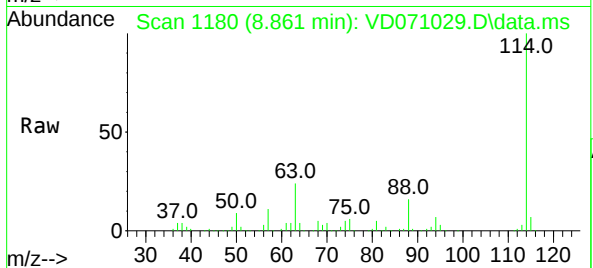
Tgt Ion:114 Resp: 445820

Ion Ratio Lower Upper

114 100

63 24.2 0.0 41.8

88 16.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 54.901 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071029.D

Acq: 15 Nov 2021 15:44

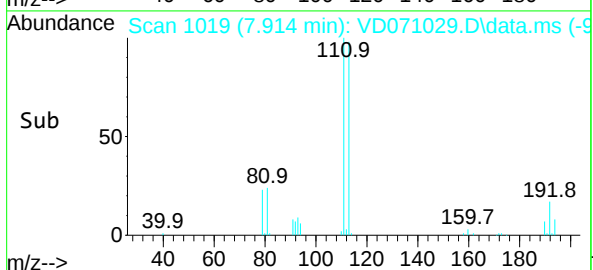
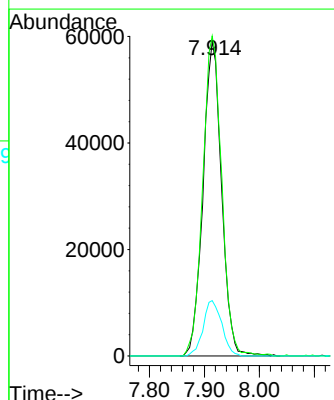
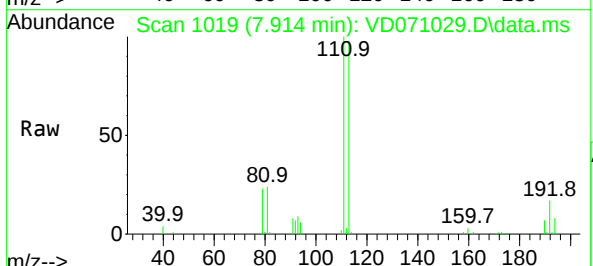
Tgt Ion:113 Resp: 138114

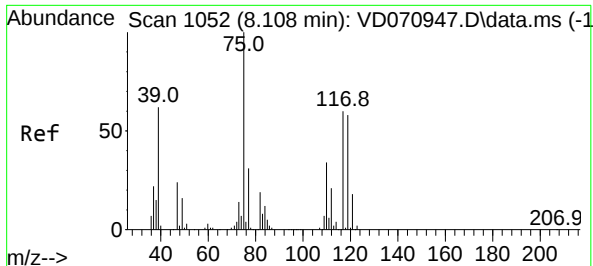
Ion Ratio Lower Upper

113 100

111 104.0 82.0 123.0

192 17.7 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.667 ug/l

RT: 7.973 min Scan# 1030

Delta R.T. -0.135 min

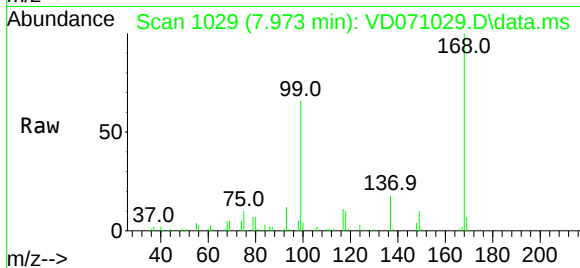
Lab File: VD071029.D

Acq: 15 Nov 2021 15:44

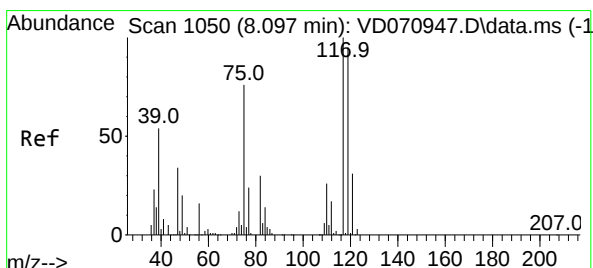
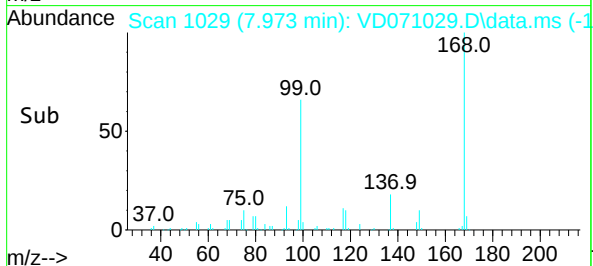
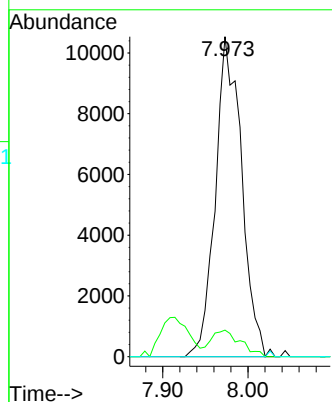
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	22559
Ion Ratio	Lower	Upper	
75	100		
110	9.5	17.8	53.4#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 7.478 ug/l

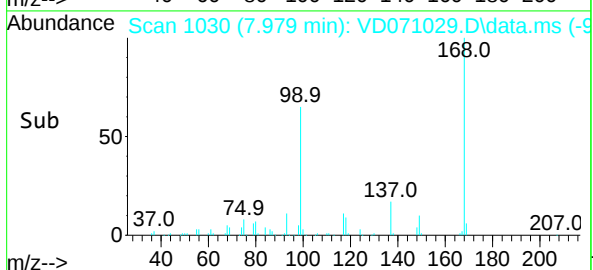
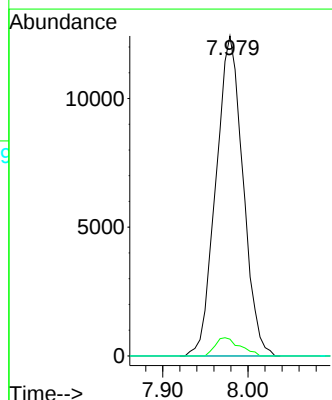
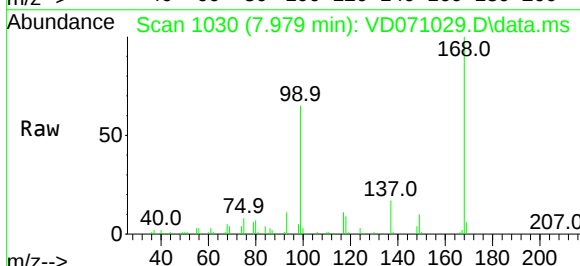
RT: 7.979 min Scan# 1030

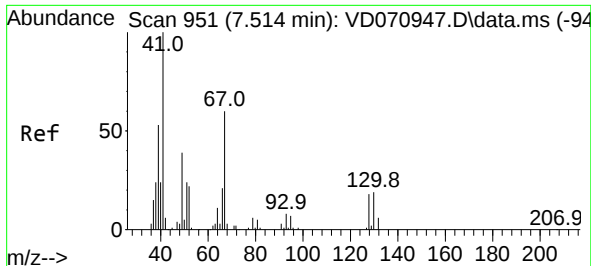
Delta R.T. -0.118 min

Lab File: VD071029.D

Acq: 15 Nov 2021 15:44

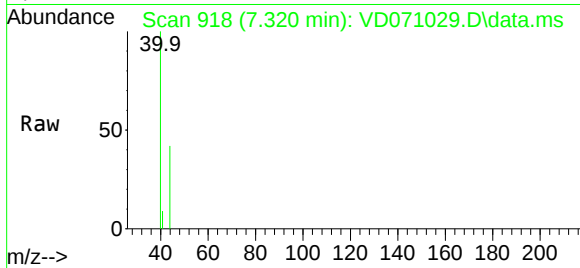
Tgt Ion:	117	Resp:	27413
Ion Ratio	Lower	Upper	
117	100		
119	5.3	75.8	113.6#
121	0.0	23.6	35.4#



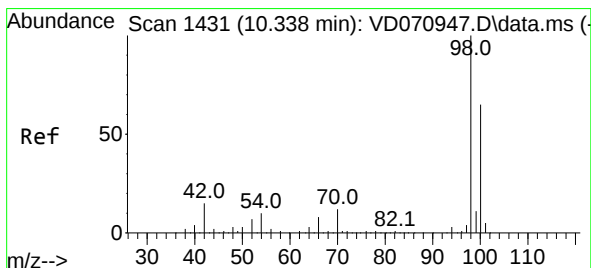
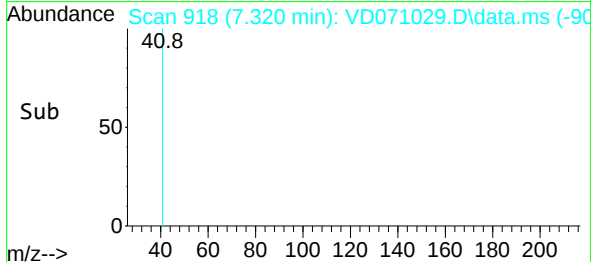
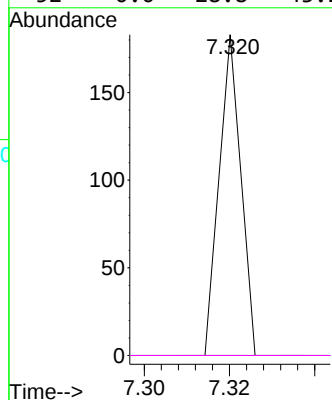


#41
Methacrylonitrile
Concen: 3.551 ug/l
RT: 7.320 min Scan# 918
Delta R.T. -0.194 min
Lab File: VD071029.D
Acq: 15 Nov 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :

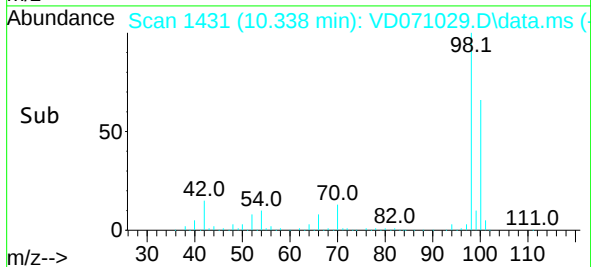
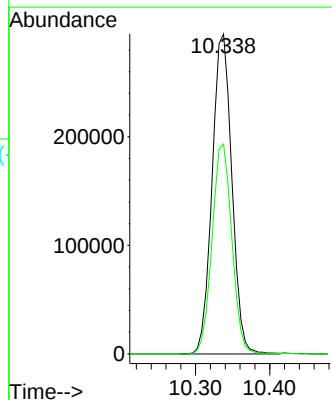
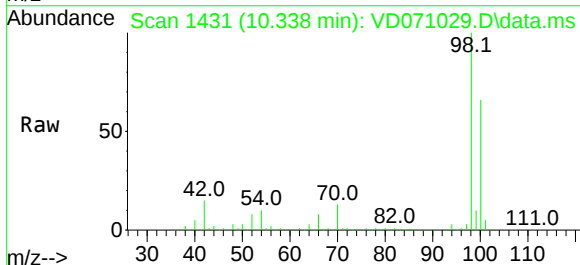


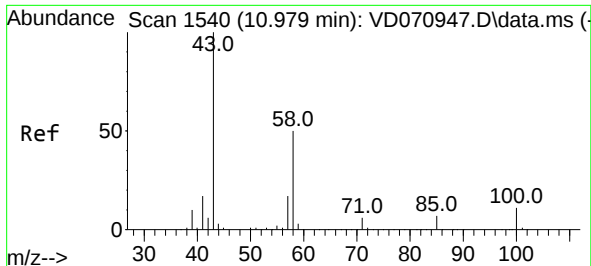
Tgt Ion: 41	Resp: 65
Ion Ratio	Lower Upper
41	100
39	0.0 60.2 90.4#
67	0.0 74.8 112.2#
52	0.0 28.8 43.2#



#50
Toluene-d8
Concen: 55.262 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071029.D
Acq: 15 Nov 2021 15:44

Tgt Ion: 98	Resp: 544438
Ion Ratio	Lower Upper
98	100
100	65.9 51.8 77.6

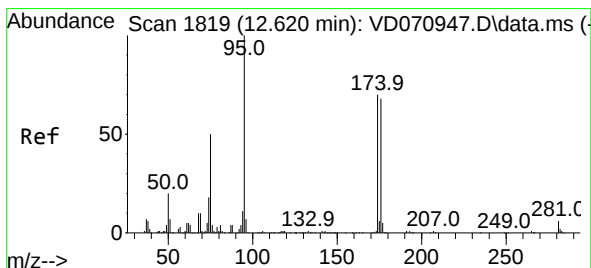
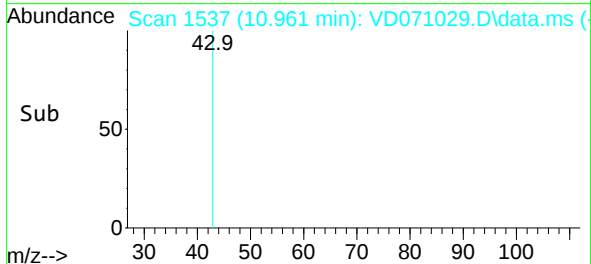
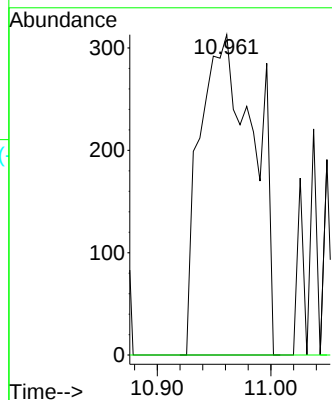
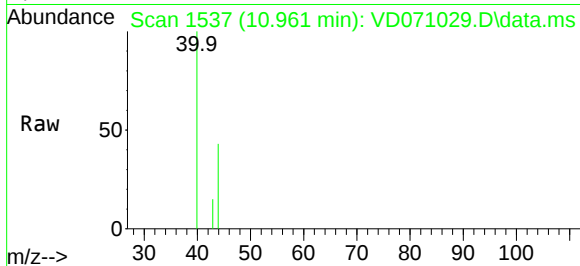




#59
2-Hexanone
Concen: 16.602 ug/l
RT: 10.961 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD071029.D
Acq: 15 Nov 2021 15:44

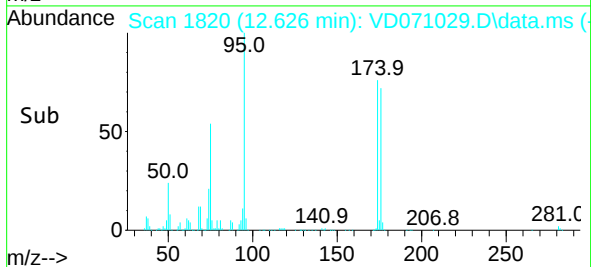
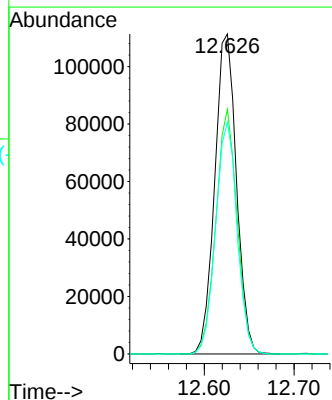
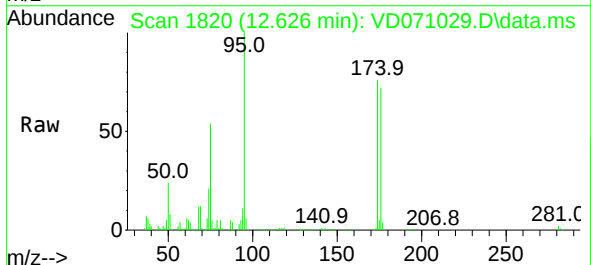
Instrument :
MSVOA_D
ClientSampleId :

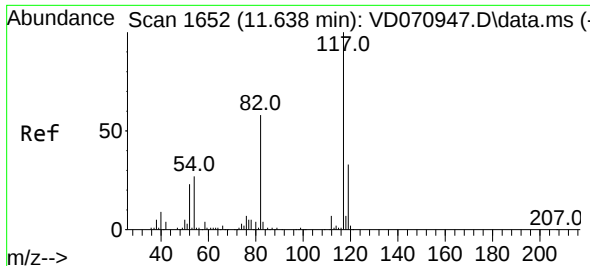
Tgt Ion: 43 Resp: 1038
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 52.713 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD071029.D
Acq: 15 Nov 2021 15:44

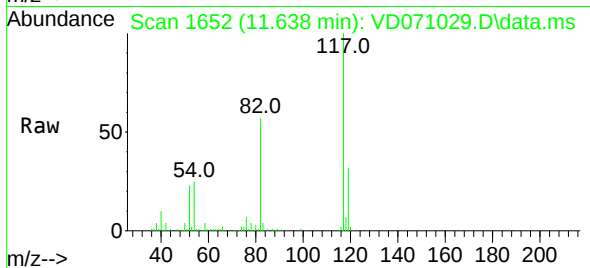
Tgt Ion: 95 Resp: 186988
Ion Ratio Lower Upper
95 100
174 74.9 0.0 159.4
176 71.3 0.0 154.0



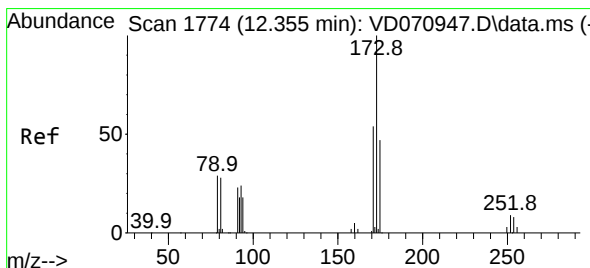
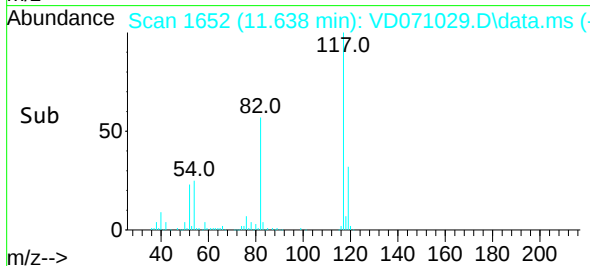
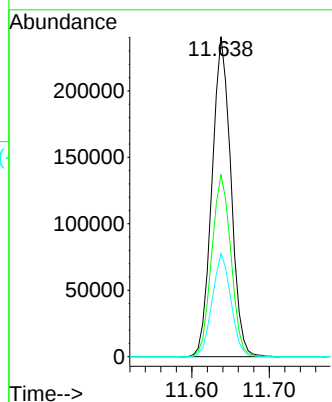


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071029.D
Acq: 15 Nov 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :

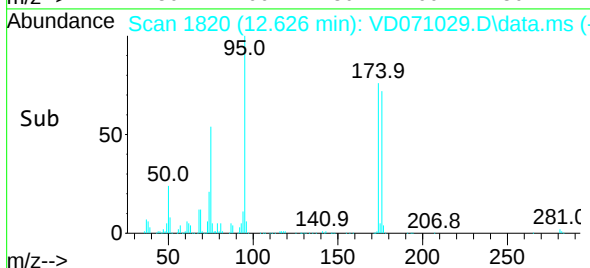
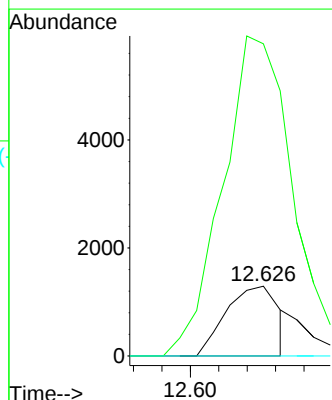
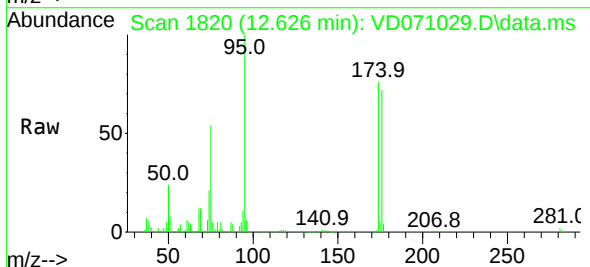


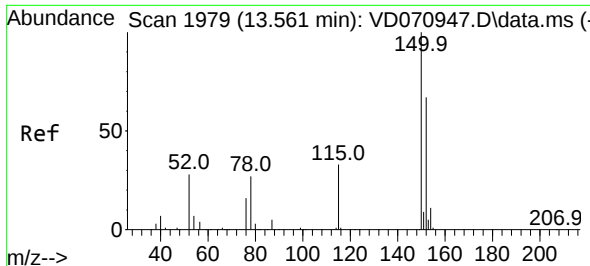
Tgt Ion:117 Resp: 408099
Ion Ratio Lower Upper
117 100
82 56.8 44.7 67.1
119 32.2 26.2 39.4



#71
Bromoform
Concen: 1.240 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071029.D
Acq: 15 Nov 2021 15:44

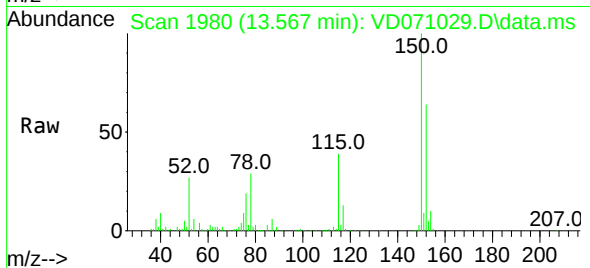
Tgt Ion:173 Resp: 1671
Ion Ratio Lower Upper
173 100
175 505.1 24.1 72.2#
254 0.0 0.1 0.1#



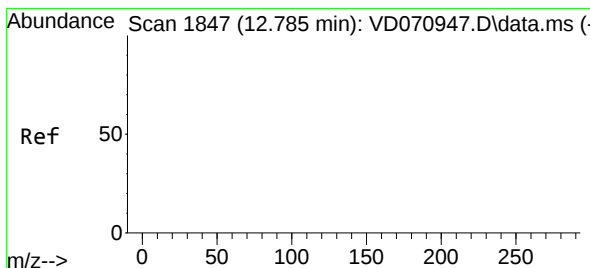
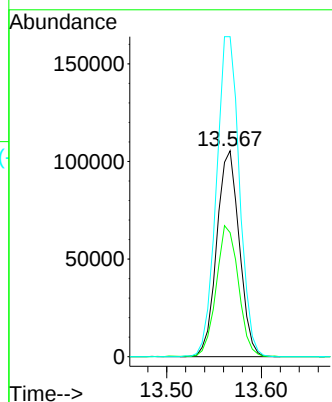
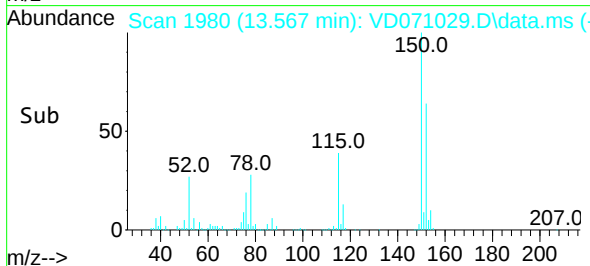


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1979
 Delta R.T. 0.006 min
 Lab File: VD071029.D
 Acq: 15 Nov 2021 15:44

Instrument :
 MSVOA_D
 ClientSampleId :

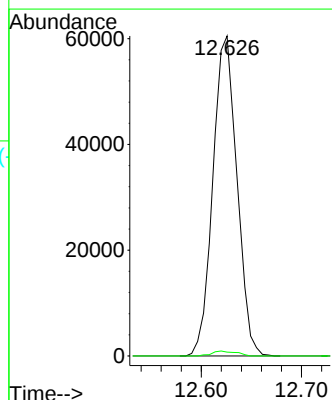
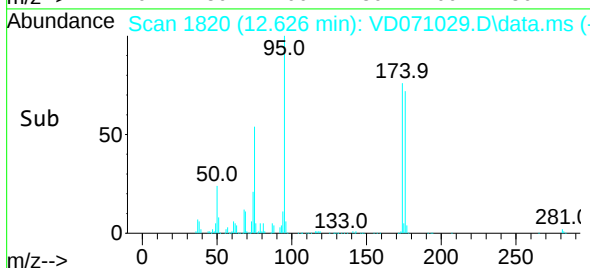
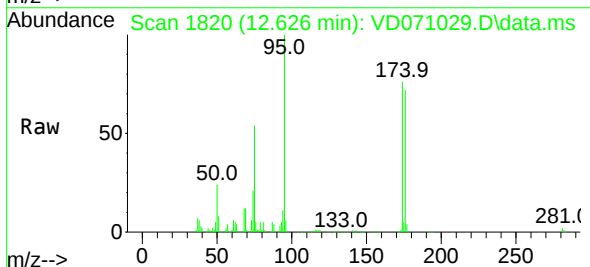


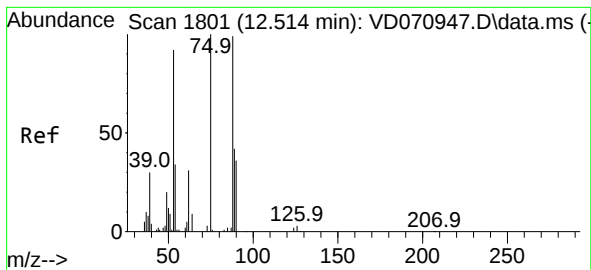
Tgt Ion:152 Resp: 174251
 Ion Ratio Lower Upper
 152 100
 115 62.8 29.8 89.3
 150 159.0 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 67.686 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.159 min
 Lab File: VD071029.D
 Acq: 15 Nov 2021 15:44

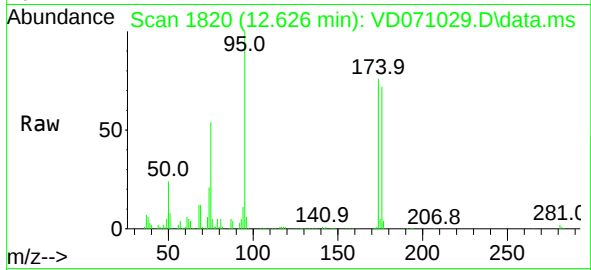
Tgt Ion: 75 Resp: 100747
 Ion Ratio Lower Upper
 75 100
 77 1.6 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.990 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VD071029.D
 Acq: 15 Nov 2021 15:44

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 100747
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

