

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111921\
 Data File : VD071055.D
 Acq On : 19 Nov 2021 14:32
 Operator : VA/SY
 Sample : M4758-29
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 02:52:58 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)

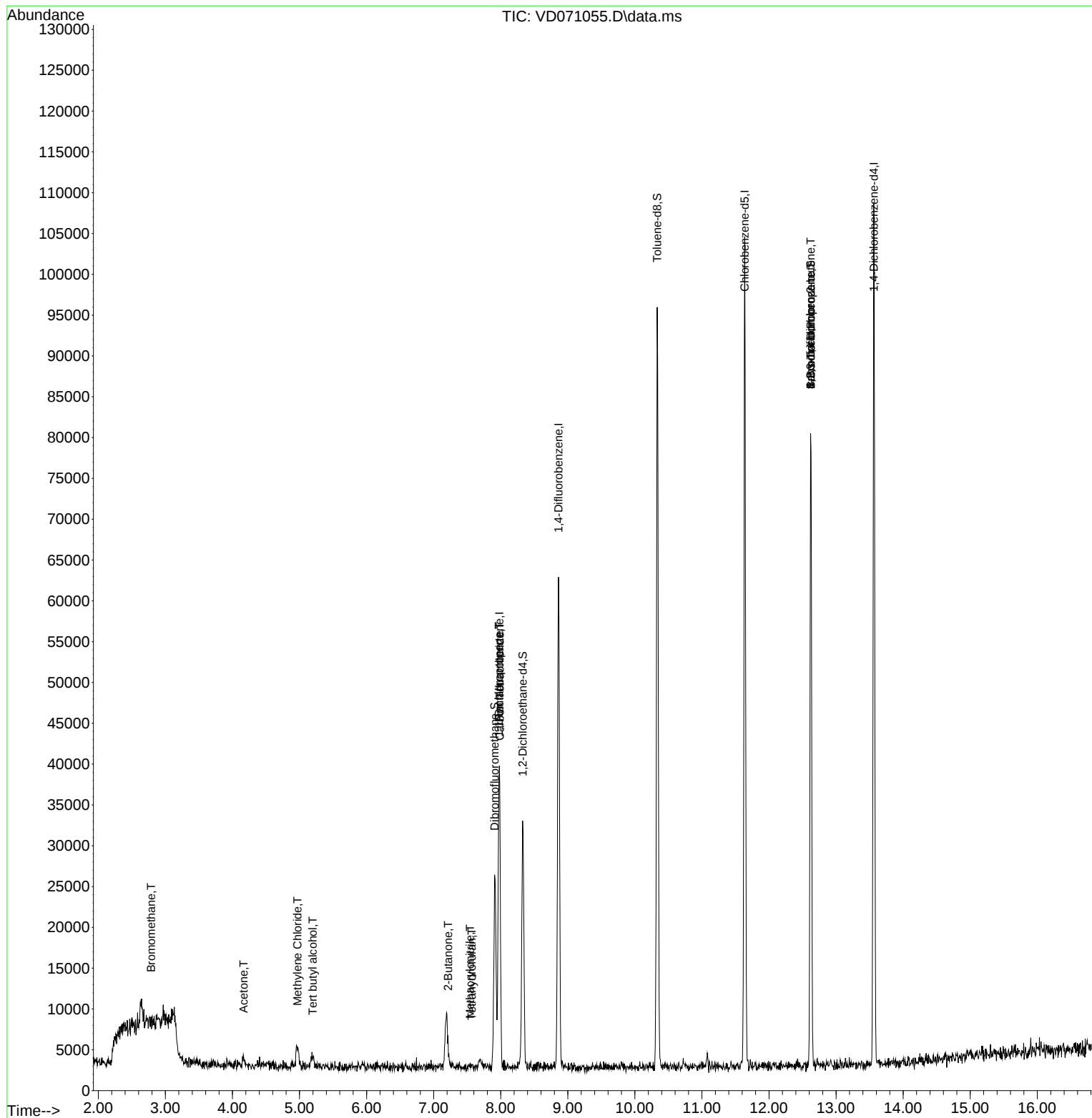
Internal Standards						
1) Pentafluorobenzene	7.979	168	26222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	48345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	51223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	25584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	22860	81.881	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 163.760%#			
35) Dibromofluoromethane	7.909	113	16879	61.873	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.740%			
50) Toluene-d8	10.332	98	61232	57.314	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 114.620%			
62) 4-Bromofluorobenzene	12.620	95	24901	64.733	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 129.460%			
Target Compounds			Qvalue			
5) Bromomethane	2.785	94	487	2.787	ug/l #	59
11) Tert butyl alcohol	5.197	59	1363	66.801	ug/l #	71
16) Acetone	4.168	43	1771	41.425	ug/l #	40
20) Methylene Chloride	4.968	84	1841	5.421	ug/l #	88
25) 2-Butanone	7.214	43	173	21.998	ug/l #	45
29) Tetrahydrofuran	7.567	42	67	1.181	ug/l #	34
36) 1,1-Dichloropropene	7.973	75	3001	6.952	ug/l #	41
38) Carbon Tetrachloride	7.985	117	2769	6.966	ug/l #	12
41) Methacrylonitrile	7.544	41	60	3.890	ug/l #	12
71) Bromoform	12.620	173	409	2.418	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	13867	63.453	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	13867	117.384	ug/l #	18

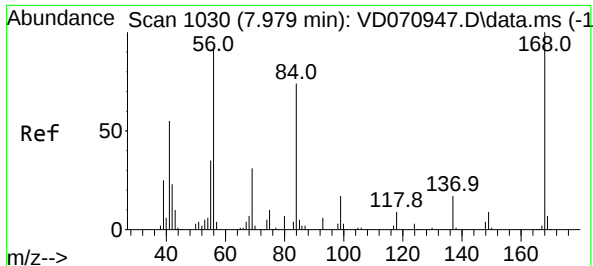
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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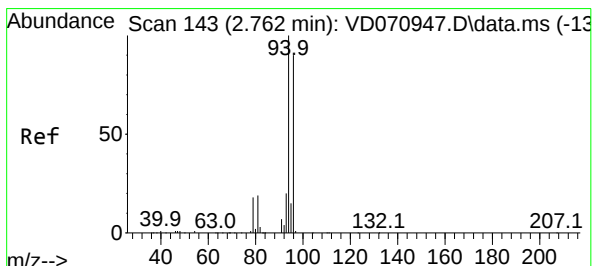
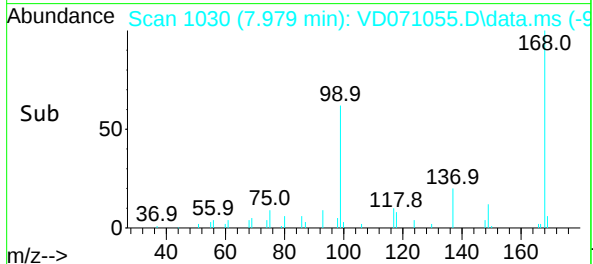
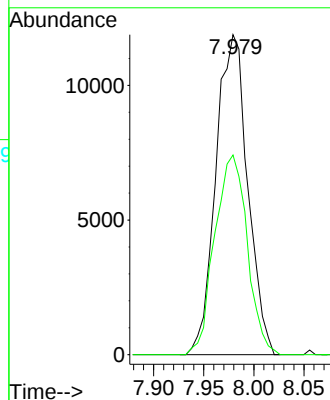
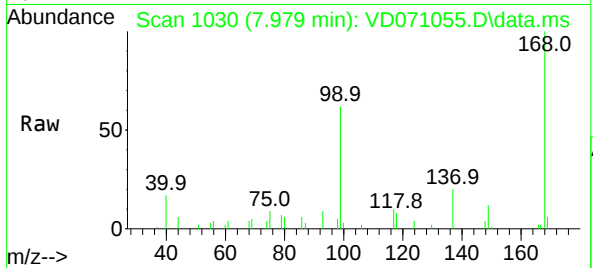




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071055.D
Acq: 19 Nov 2021 14:32

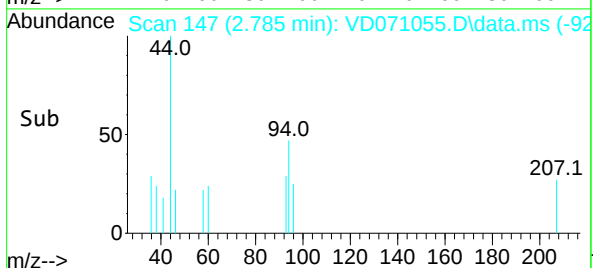
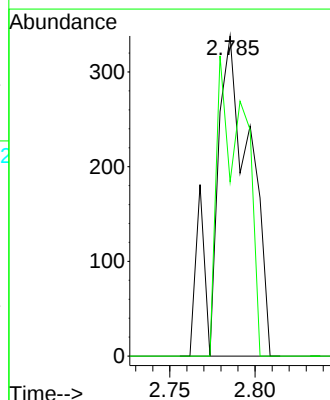
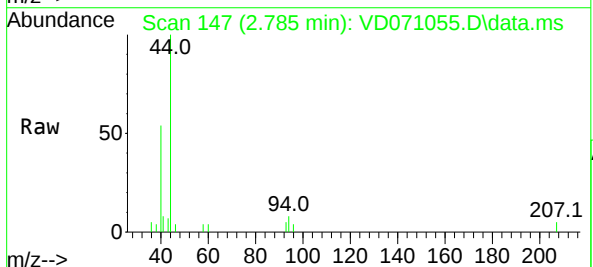
Instrument :
MSVOA_D
ClientSampleId :

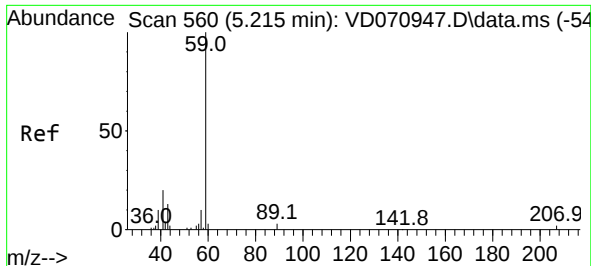
Tgt Ion:168 Resp: 26222
Ion Ratio Lower Upper
168 100
99 62.4 46.6 69.8



#5
Bromomethane
Concen: 2.787 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD071055.D
Acq: 19 Nov 2021 14:32

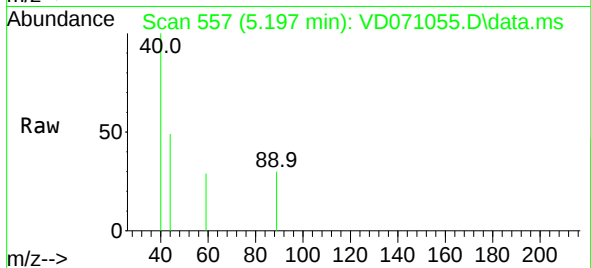
Tgt Ion: 94 Resp: 487
Ion Ratio Lower Upper
94 100
96 54.4 74.8 112.2#



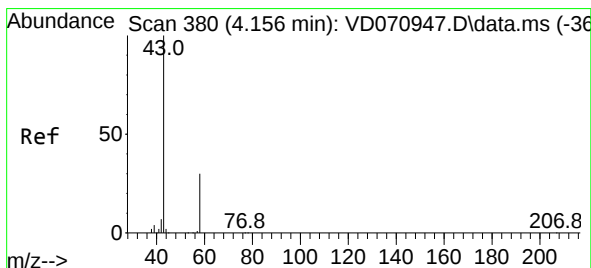
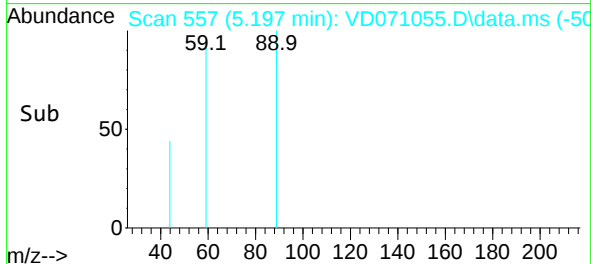
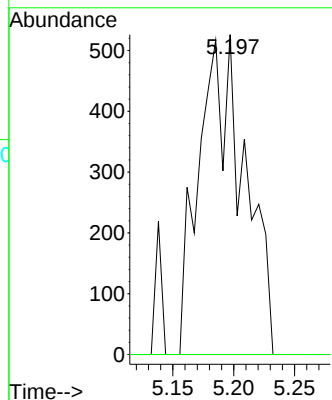


#11
Tert butyl alcohol
Concen: 66.801 ug/l
RT: 5.197 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD071055.D
Acq: 19 Nov 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :

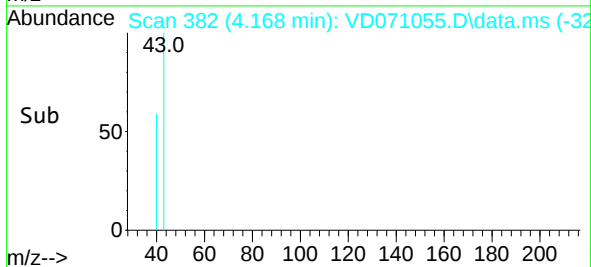
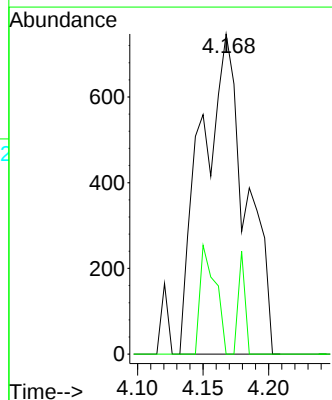
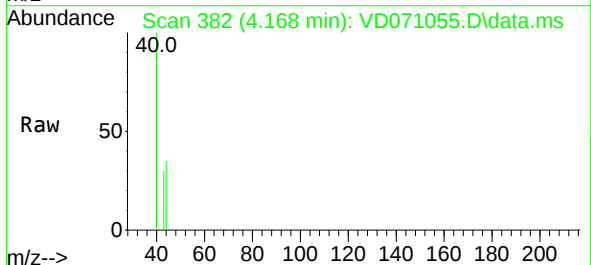


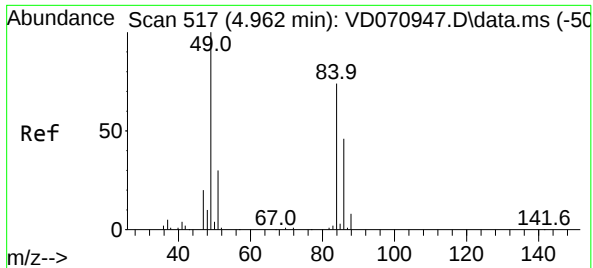
Tgt Ion: 59 Resp: 1363
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 41.425 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD071055.D
Acq: 19 Nov 2021 14:32

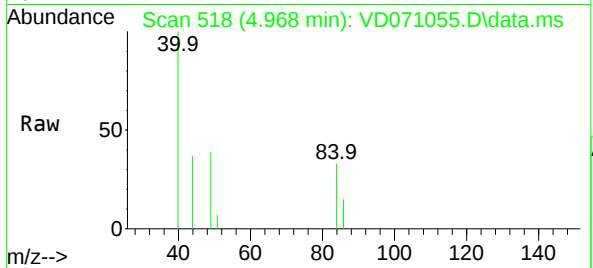
Tgt Ion: 43 Resp: 1771
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



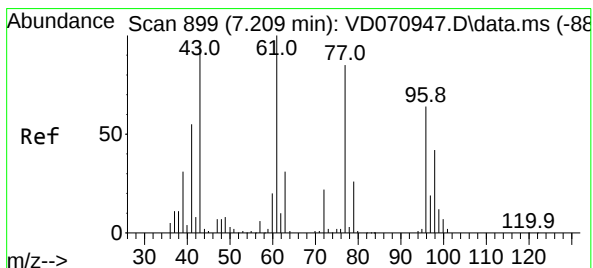
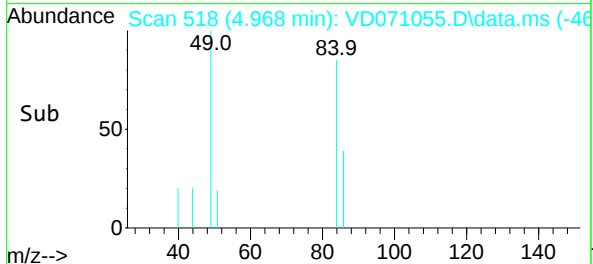
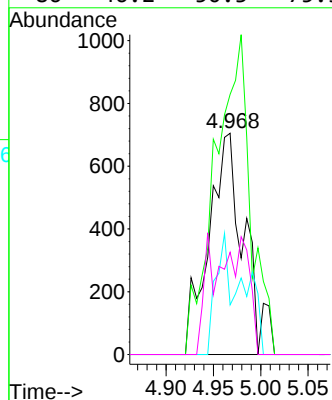


#20
Methylene Chloride
Concen: 5.421 ug/l
RT: 4.968 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD071055.D
Acq: 19 Nov 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :

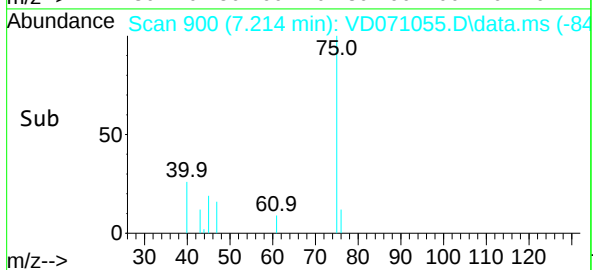
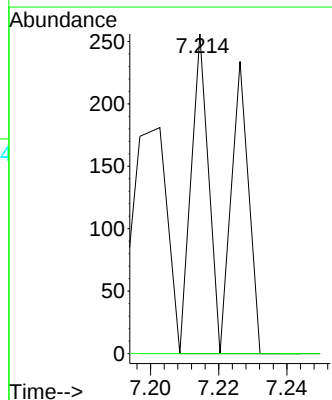
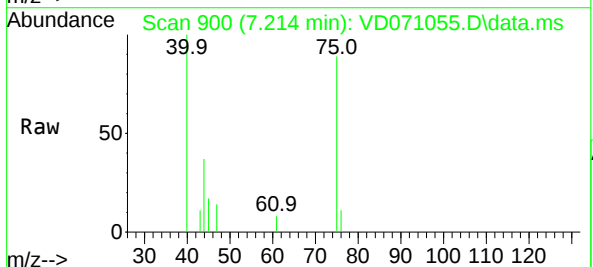


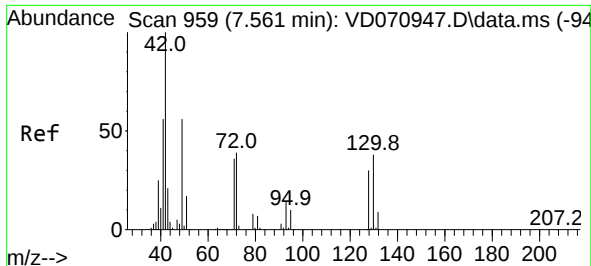
Tgt Ion: 84 Resp: 1841
Ion Ratio Lower Upper
84 100
49 117.6 95.8 143.6
51 22.4 30.9 46.3#
86 46.2 50.3 75.5#



#25
2-Butanone
Concen: 21.998 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.005 min
Lab File: VD071055.D
Acq: 19 Nov 2021 14:32

Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 1.181 ug/l

RT: 7.567 min Scan# 9

Delta R.T. 0.006 min

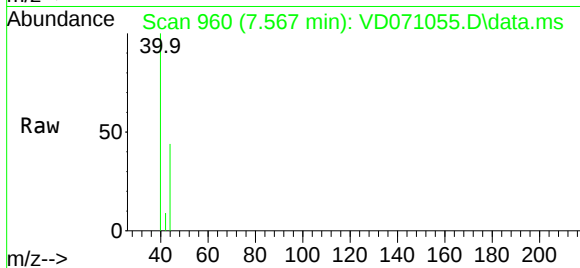
Lab File: VD071055.D

Acq: 19 Nov 2021 14:32

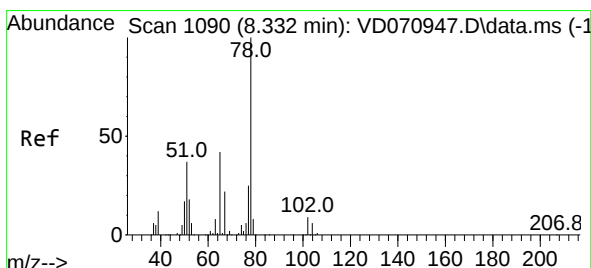
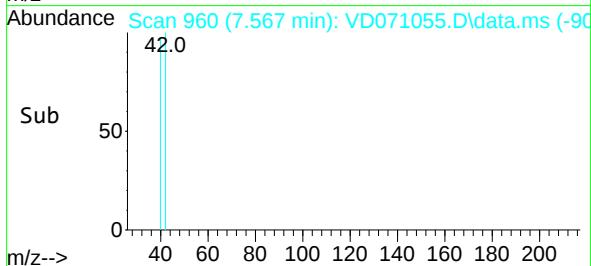
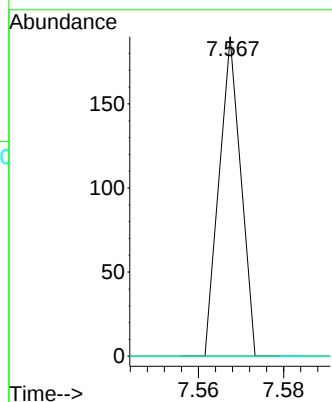
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	67
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	32.7	49.1#



#33

1,2-Dichloroethane-d4

Concen: 81.881 ug/l

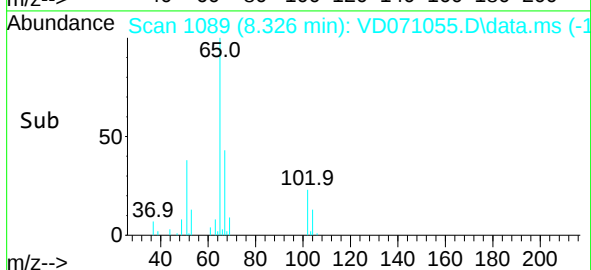
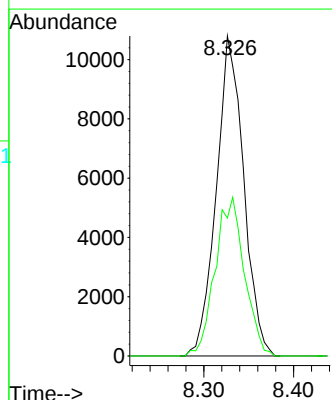
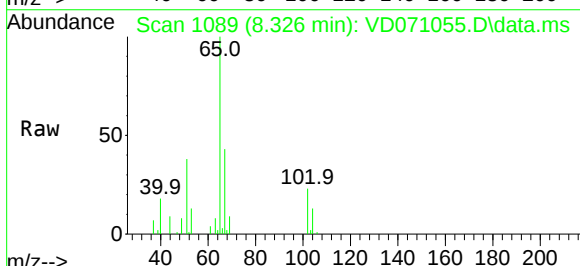
RT: 8.326 min Scan# 1089

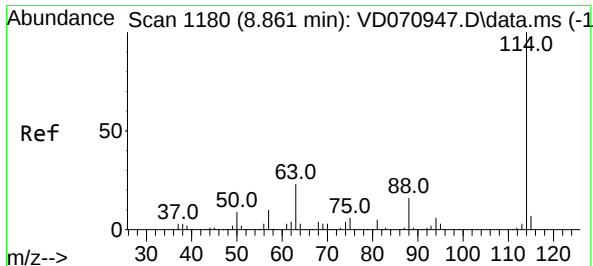
Delta R.T. -0.006 min

Lab File: VD071055.D

Acq: 19 Nov 2021 14:32

Tgt Ion:	65	Resp:	22860
Ion	Ratio	Lower	Upper
65	100		
67	52.9	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: VD071055.D

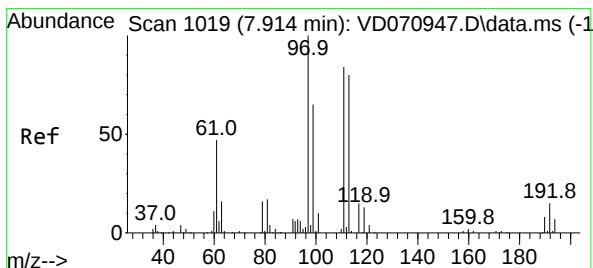
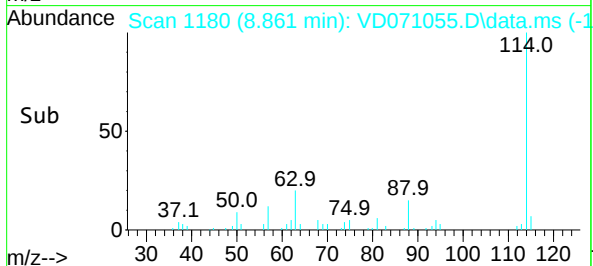
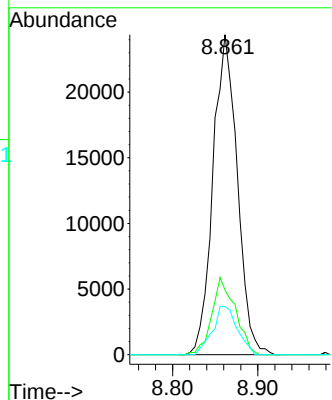
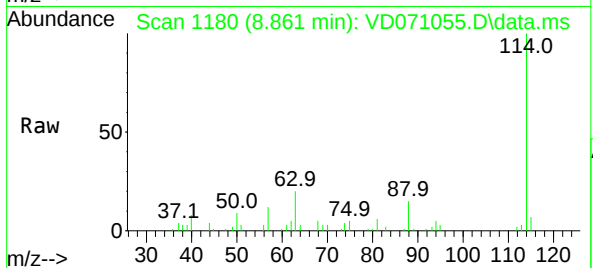
Acq: 19 Nov 2021 14:32

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	48345
Ion Ratio	Lower	Upper
114	100	
63	20.2	0.0 41.8
88	15.1	0.0 32.8



#35

Dibromofluoromethane

Concen: 61.873 ug/l

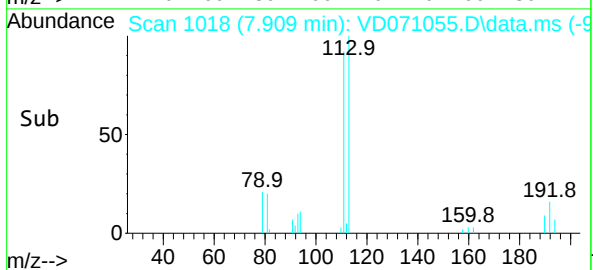
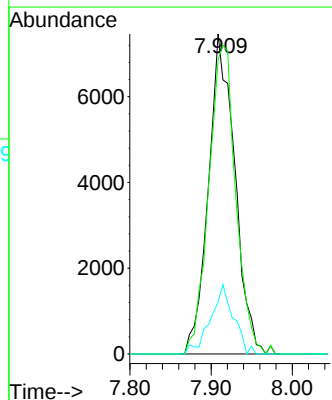
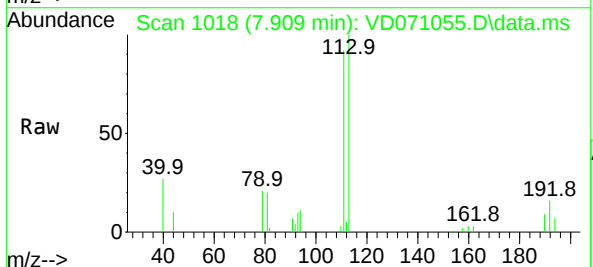
RT: 7.909 min Scan# 1018

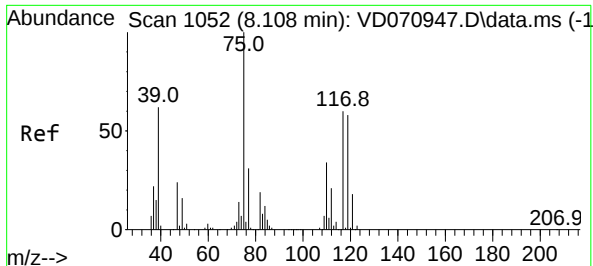
Delta R.T. -0.005 min

Lab File: VD071055.D

Acq: 19 Nov 2021 14:32

Tgt Ion:113	Resp:	16879
Ion Ratio	Lower	Upper
113	100	
111	98.3	82.0 123.0
192	18.9	15.2 22.8





#36

1,1-Dichloropropene

Concen: 6.952 ug/l

RT: 7.973 min Scan# 1031

Delta R.T. -0.135 min

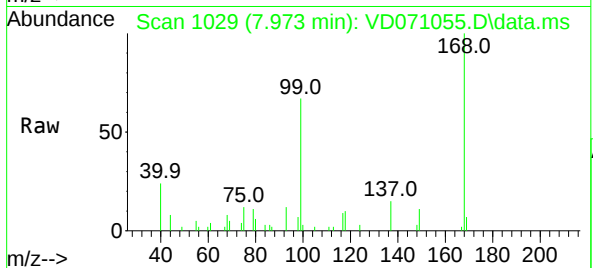
Lab File: VD071055.D

Acq: 19 Nov 2021 14:32

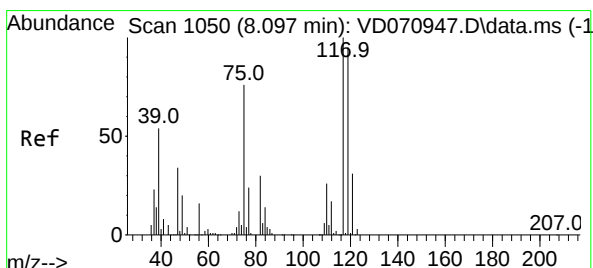
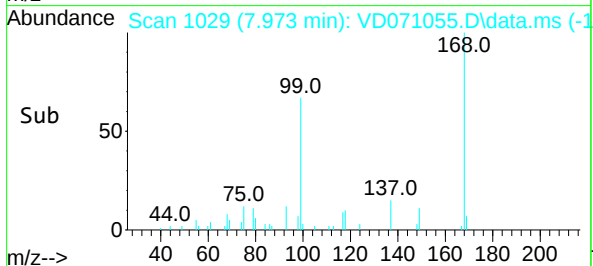
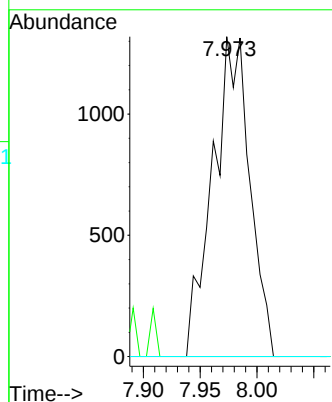
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 3001
Ion Ratio	Lower Upper
75	100
110	0.0 17.8 53.4#
77	0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.966 ug/l

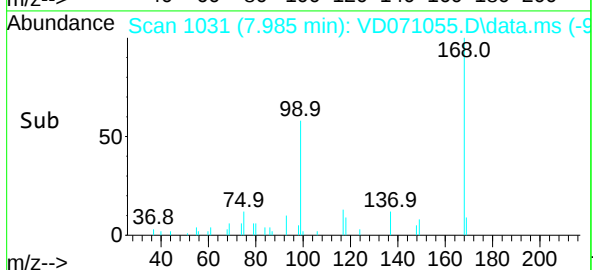
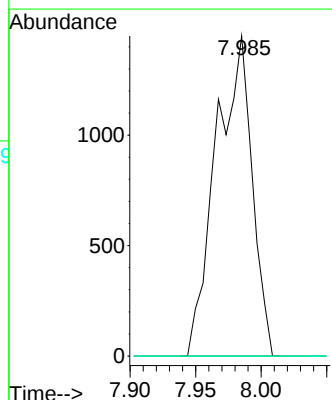
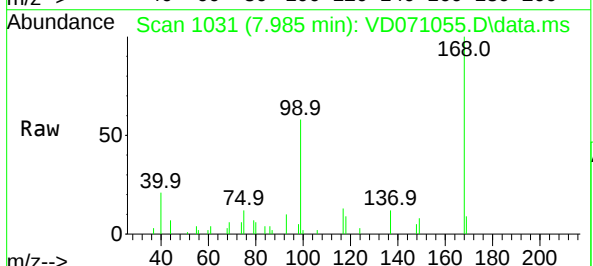
RT: 7.985 min Scan# 1031

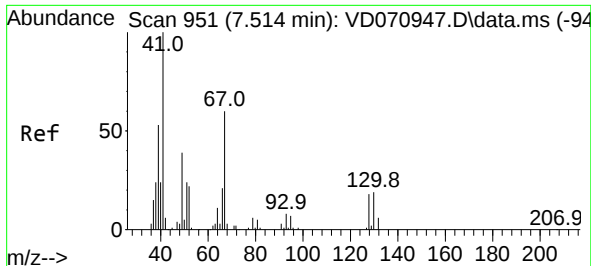
Delta R.T. -0.112 min

Lab File: VD071055.D

Acq: 19 Nov 2021 14:32

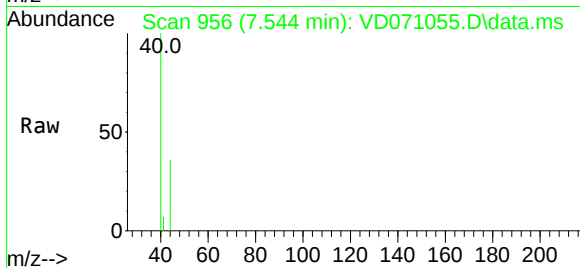
Tgt Ion: 117	Resp: 2769
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 23.6 35.4#



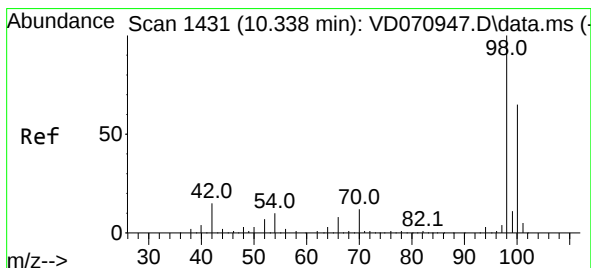
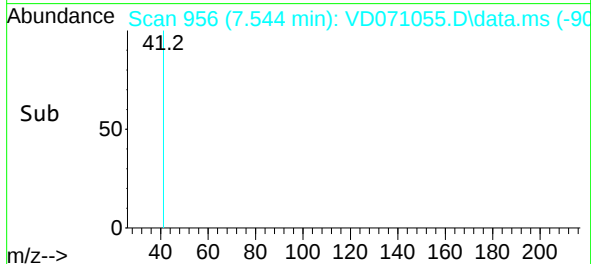
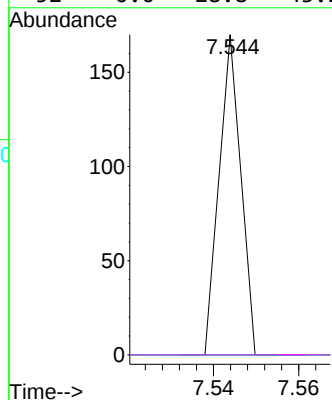


#41
Methacrylonitrile
Concen: 3.890 ug/l
RT: 7.544 min Scan# 91
Delta R.T. 0.030 min
Lab File: VD071055.D
Acq: 19 Nov 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :

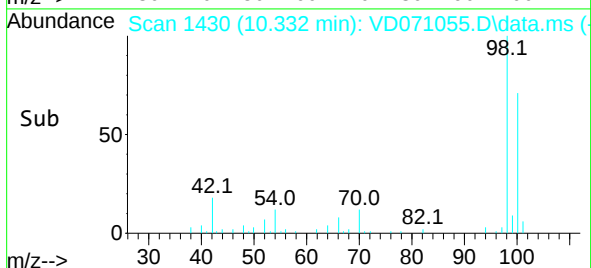
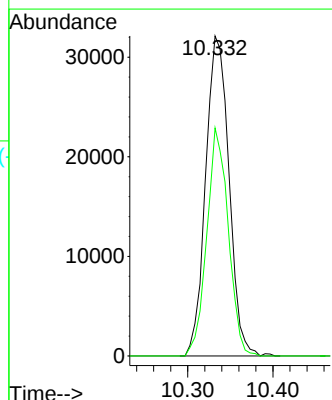
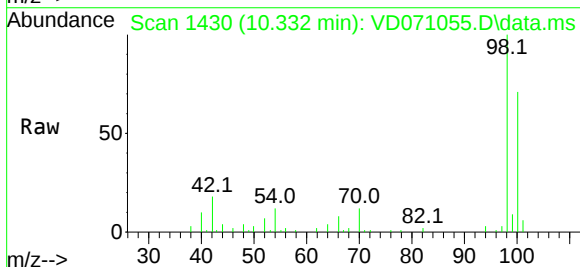


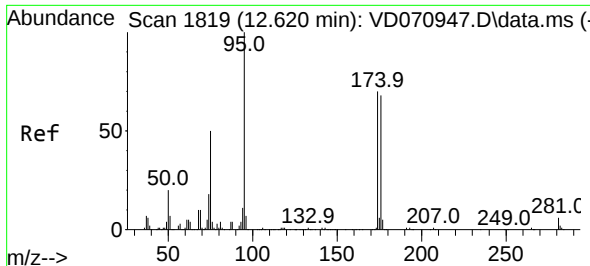
Tgt Ion: 41	Resp: 60
Ion Ratio	Lower Upper
41 100	
39 0.0	60.2 90.4#
67 0.0	74.8 112.2#
52 0.0	28.8 43.2#



#50
Toluene-d8
Concen: 57.314 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071055.D
Acq: 19 Nov 2021 14:32

Tgt Ion: 98	Resp: 61232
Ion Ratio	Lower Upper
98 100	
100 65.4	51.8 77.6

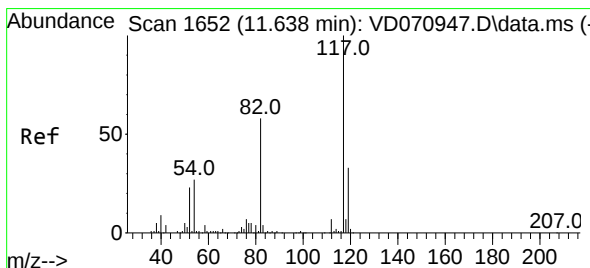
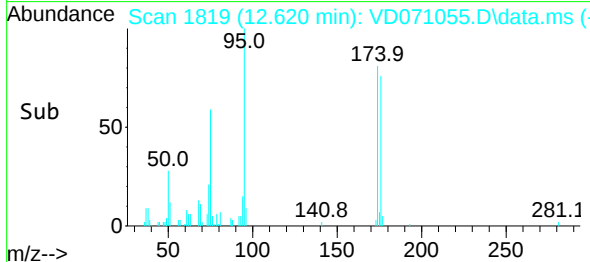
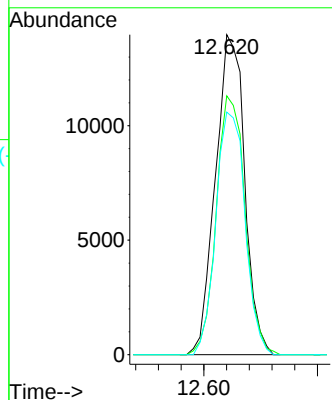
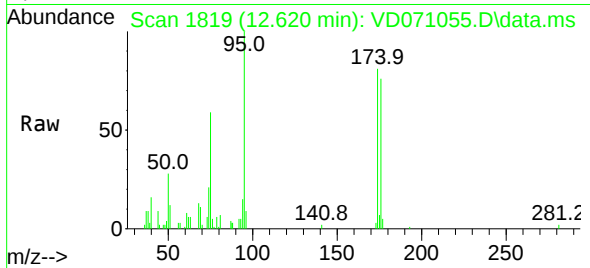




#62
4-Bromofluorobenzene
Concen: 64.733 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD071055.D
Acq: 19 Nov 2021 14:32

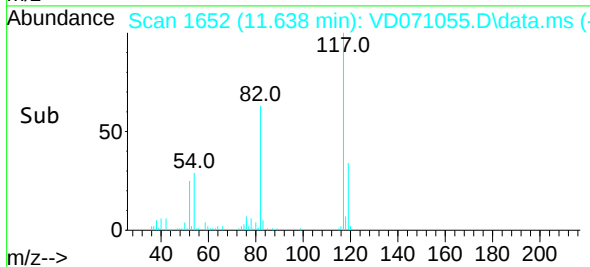
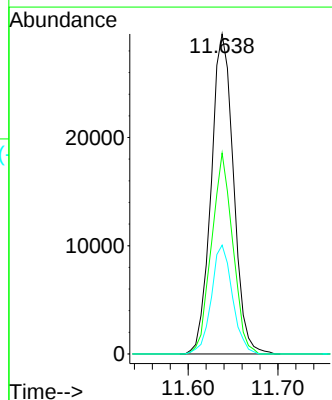
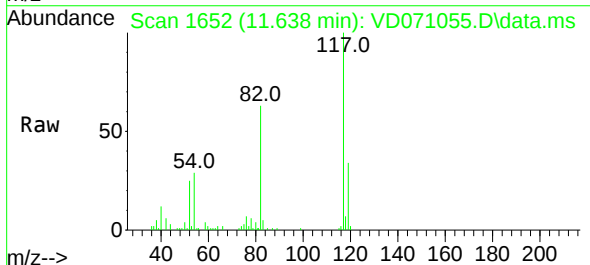
Instrument :
MSVOA_D
ClientSampleId :

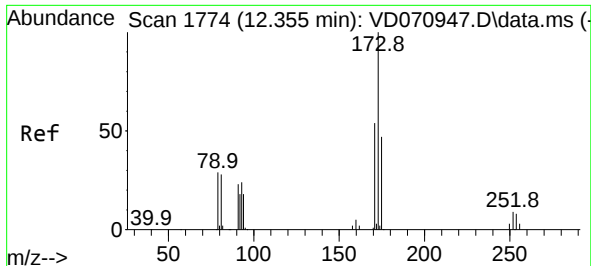
Tgt Ion: 95 Resp: 24901
Ion Ratio Lower Upper
95 100
174 79.7 0.0 159.4
176 75.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071055.D
Acq: 19 Nov 2021 14:32

Tgt Ion: 117 Resp: 51223
Ion Ratio Lower Upper
117 100
82 62.8 44.7 67.1
119 34.0 26.2 39.4

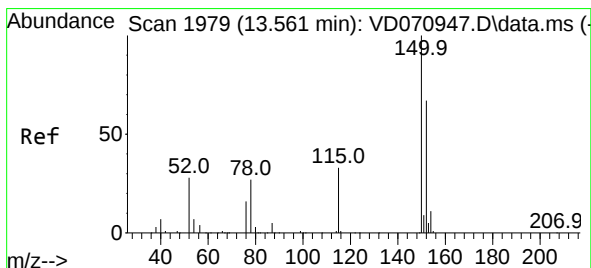
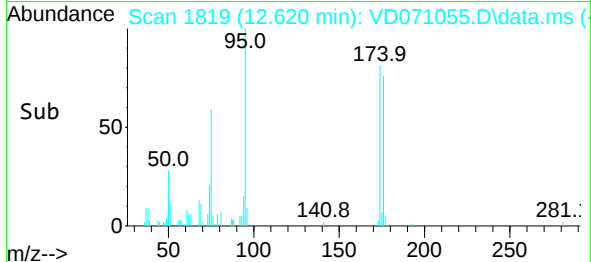
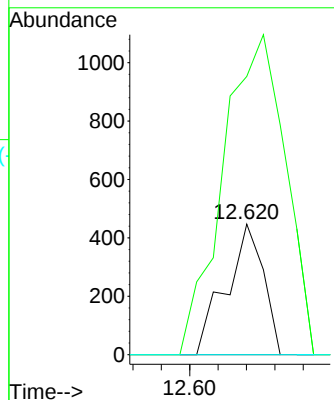
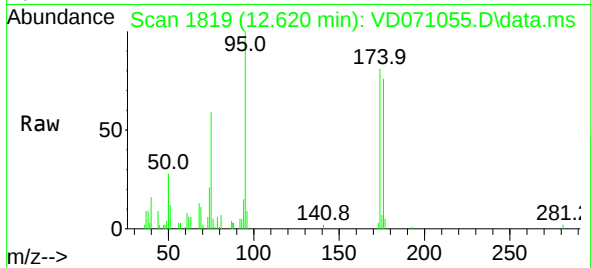




#71
Bromoform
Concen: 2.418 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071055.D
Acq: 19 Nov 2021 14:32

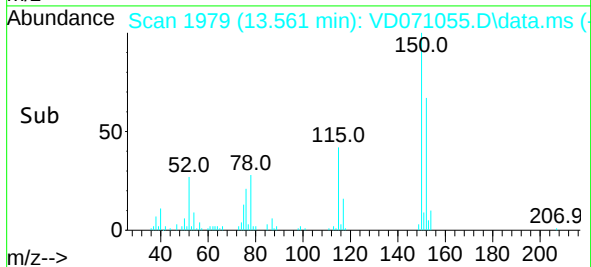
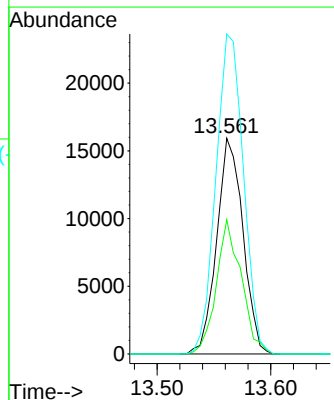
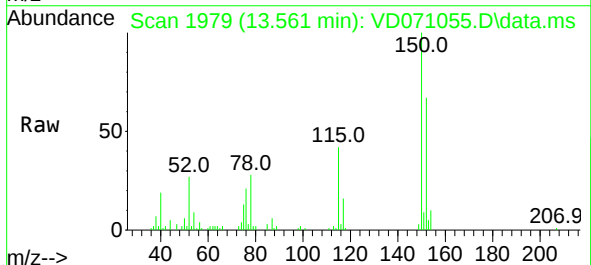
Instrument :
MSVOA_D
ClientSampleId :

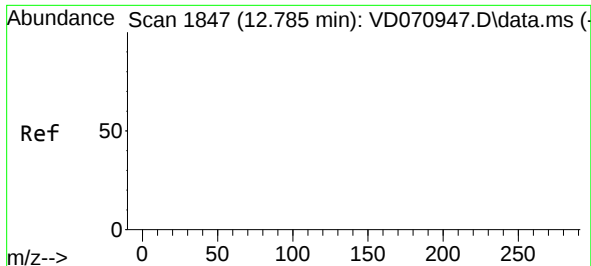
Tgt Ion:173 Resp: 409
Ion Ratio Lower Upper
173 100
175 371.4 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071055.D
Acq: 19 Nov 2021 14:32

Tgt Ion:152 Resp: 25584
Ion Ratio Lower Upper
152 100
115 59.2 29.8 89.3
150 156.0 0.0 349.2

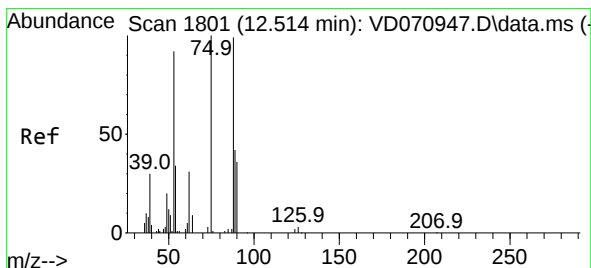
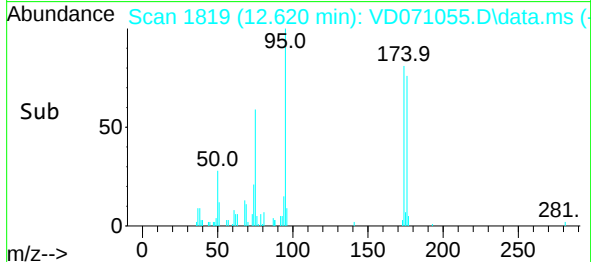
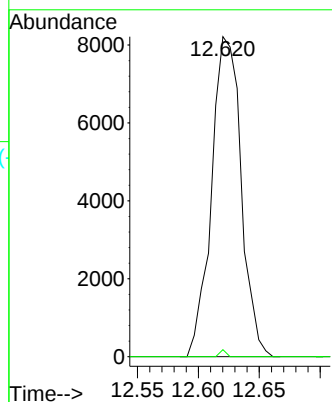
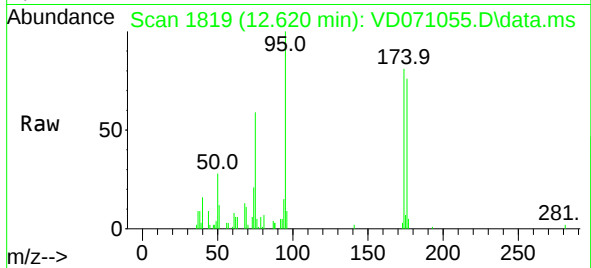




#76
1,2,3-Trichloropropane
Concen: 63.453 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD071055.D
Acq: 19 Nov 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 13867
Ion Ratio Lower Upper
75 100
77 0.5 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.384 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD071055.D
Acq: 19 Nov 2021 14:32

Tgt Ion: 75 Resp: 13867
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

