

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111521\
 Data File : VD071032.D
 Acq On : 15 Nov 2021 17:08
 Operator : VA/SY
 Sample : M4602-01RE
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 16 03:22:07 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)

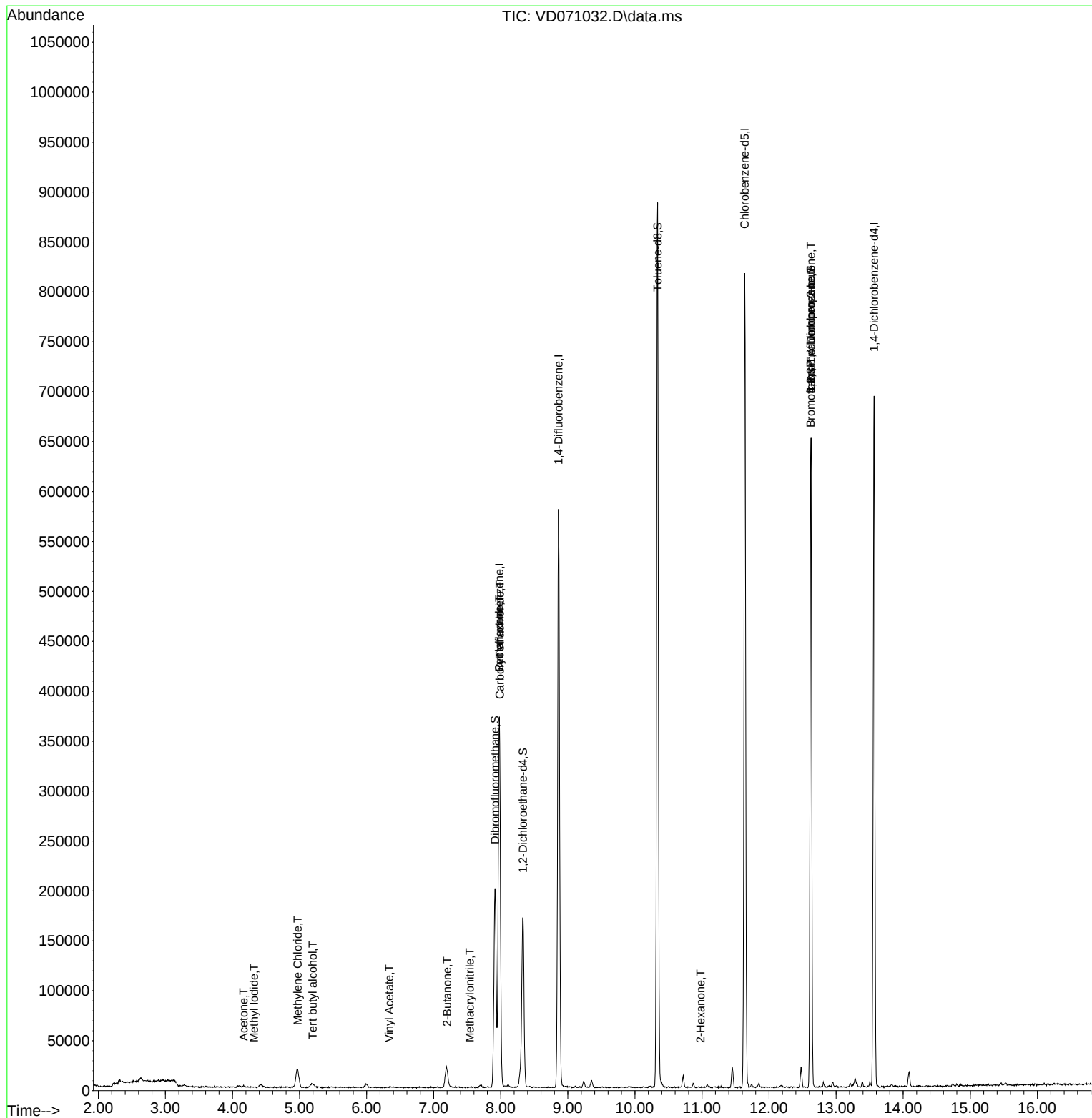
Internal Standards						
1) Pentafluorobenzene	7.979	168	264560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	468794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	434411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	170692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	137509	48.818	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.640%
35) Dibromofluoromethane	7.914	113	140066	52.949	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.900%
50) Toluene-d8	10.338	98	583031	56.279	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.560%
62) 4-Bromofluorobenzene	12.626	95	194924	52.257	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.520%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.320	142	98	6.050	ug/l #	40
11) Tert butyl alcohol	5.197	59	2526	12.271	ug/l #	71
16) Acetone	4.167	43	1820	21.999	ug/l #	75
20) Methylene Chloride	4.973	84	12761	3.591	ug/l	86
23) Vinyl Acetate	6.338	43	59	20.992	ug/l #	72
25) 2-Butanone	7.202	43	948	21.253	ug/l #	45
31) Cyclohexane	7.979	56	9379	1.619	ug/l #	32
38) Carbon Tetrachloride	7.985	117	27836	7.222	ug/l #	18
41) Methacrylonitrile	7.538	41	123	3.588	ug/l #	12
59) 2-Hexanone	10.979	43	74	15.980	ug/l #	22
71) Bromoform	12.620	173	1950	1.359	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	109051	74.792	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	109051	137.761	ug/l #	18

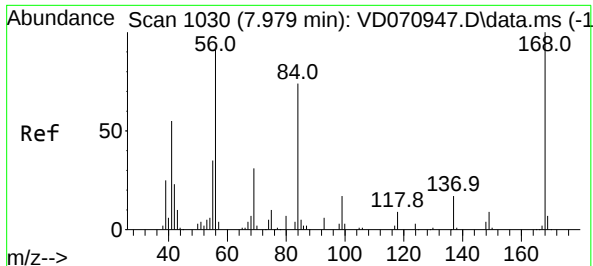
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111521\
Data File : VD071032.D
Acq On : 15 Nov 2021 17:08
Operator : VA/SY
Sample : M4602-01RE
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

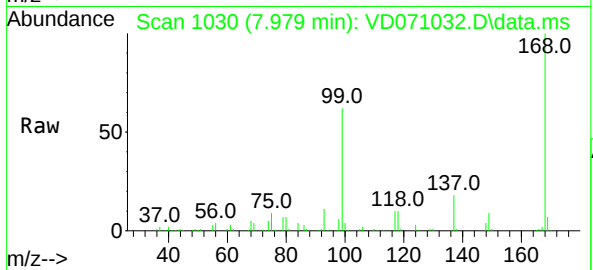
Quant Time: Nov 16 03:22:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
Response via : Initial Calibration



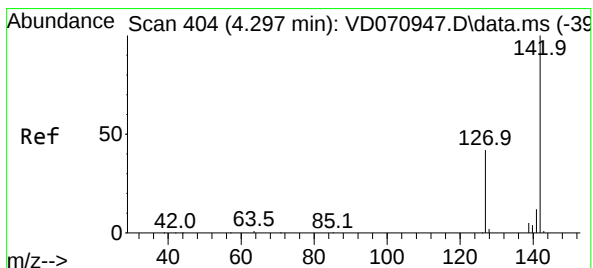
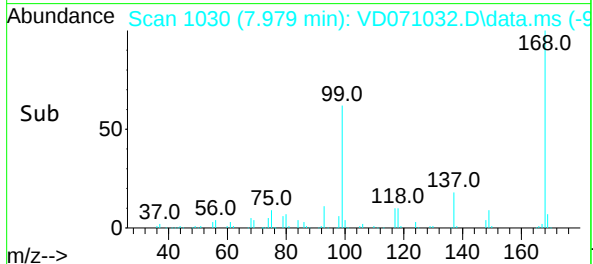
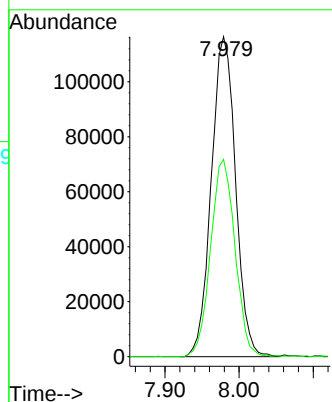


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071032.D
Acq: 15 Nov 2021 17:08

Instrument :
MSVOA_D
ClientSampleId :

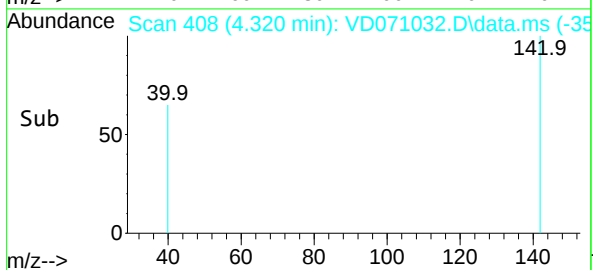
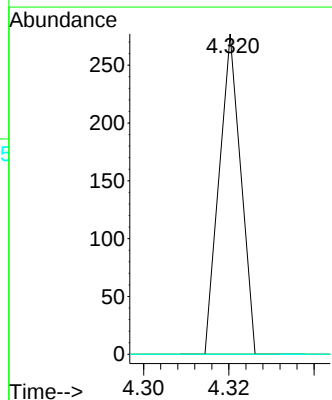
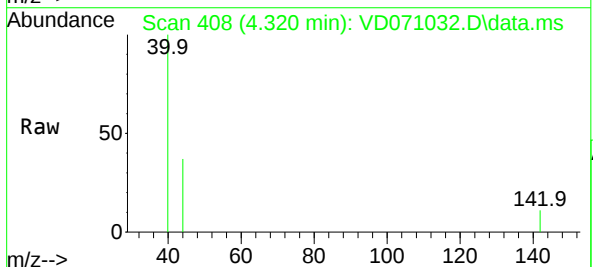


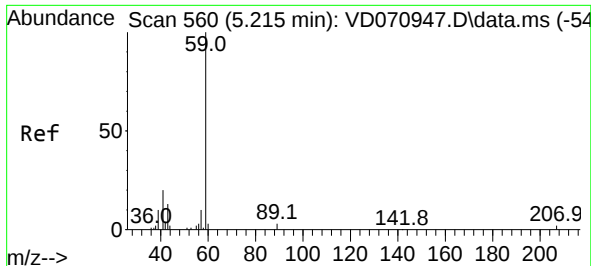
Tgt Ion:168 Resp: 264560
Ion Ratio Lower Upper
168 100
99 61.6 46.6 69.8



#10
Methyl Iodide
Concen: 6.050 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.023 min
Lab File: VD071032.D
Acq: 15 Nov 2021 17:08

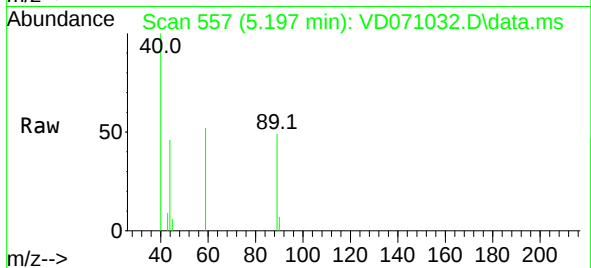
Tgt Ion:142 Resp: 98
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



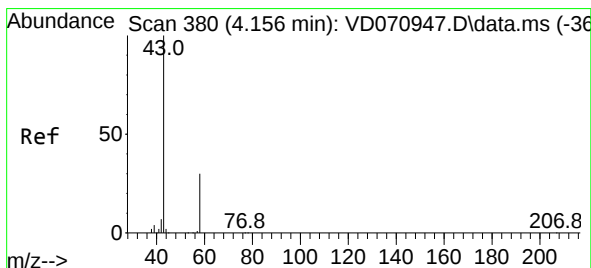
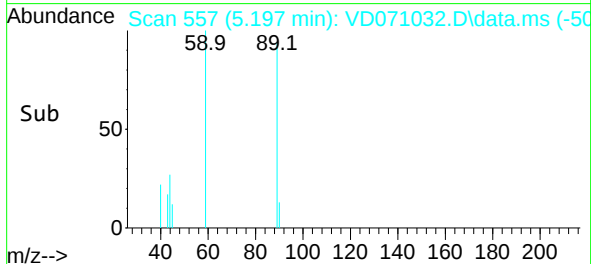
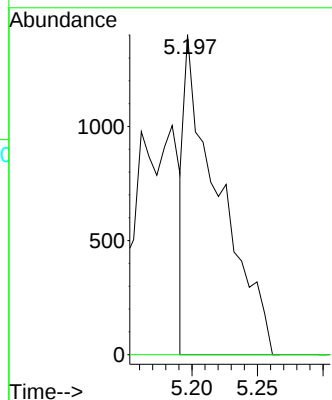


#11
Tert butyl alcohol
Concen: 12.271 ug/l
RT: 5.197 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD071032.D
Acq: 15 Nov 2021 17:08

Instrument :
MSVOA_D
ClientSampleId :

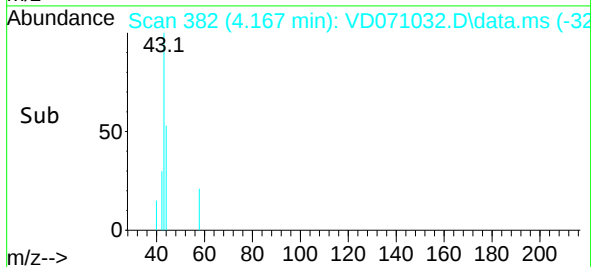
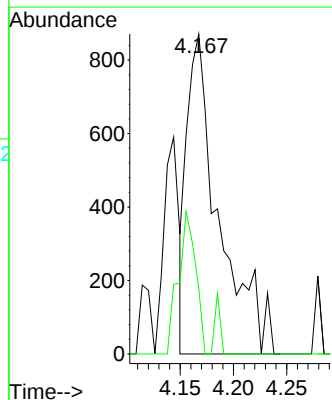
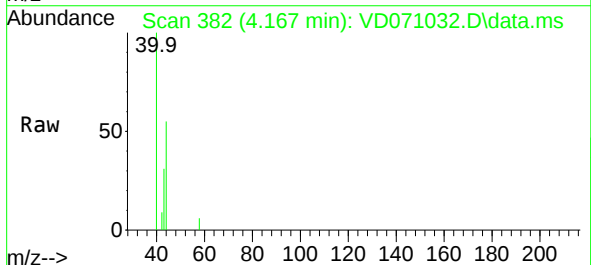


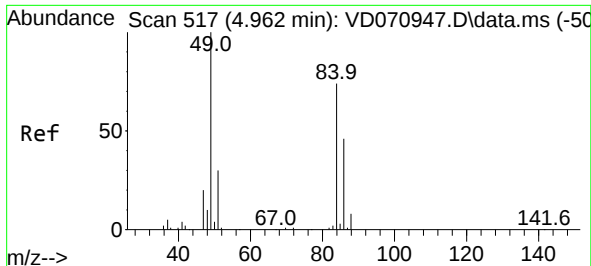
Tgt Ion: 59 Resp: 2526
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 21.999 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD071032.D
Acq: 15 Nov 2021 17:08

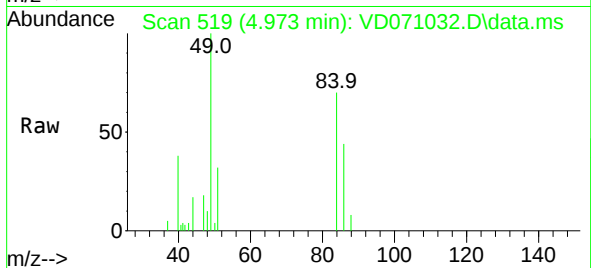
Tgt Ion: 43 Resp: 1820
Ion Ratio Lower Upper
43 100
58 20.6 27.8 41.8#



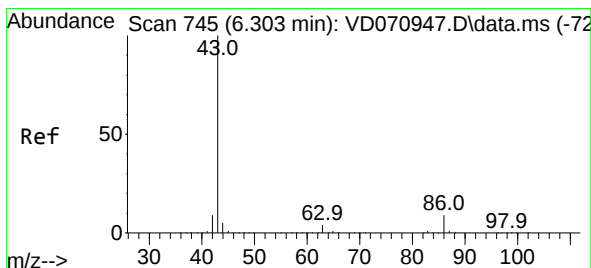
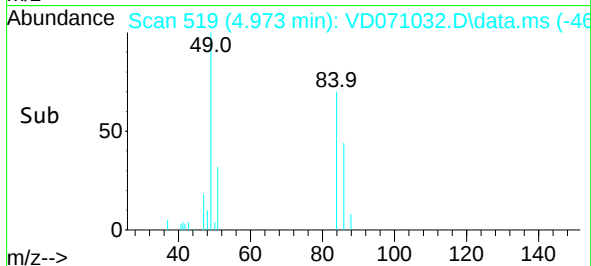
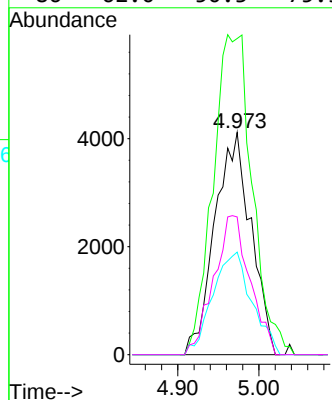


#20
Methylene Chloride
Concen: 3.591 ug/l
RT: 4.973 min Scan# 517
Delta R.T. 0.011 min
Lab File: VD071032.D
Acq: 15 Nov 2021 17:08

Instrument :
MSVOA_D
ClientSampleId :

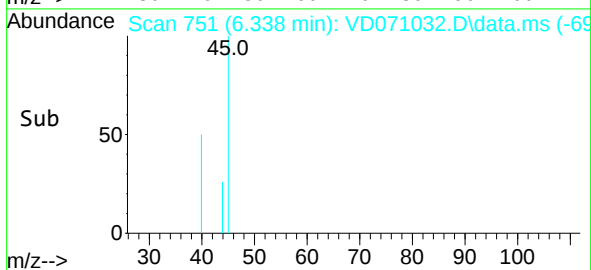
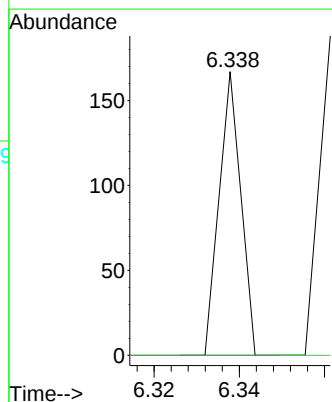
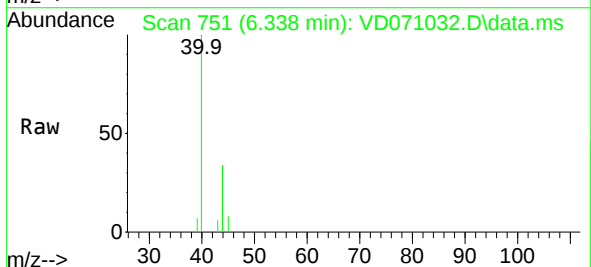


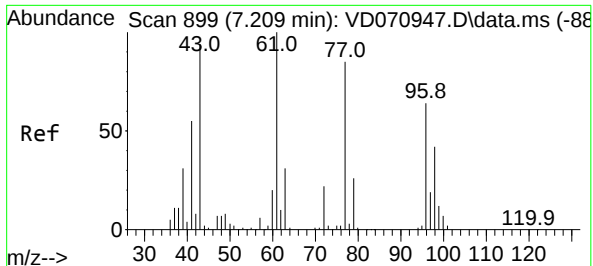
Tgt Ion:	84	Resp:	12761
Ion	Ratio	Lower	Upper
84	100		
49	142.3	95.8	143.6
51	46.1	30.9	46.3
86	62.0	50.3	75.5



#23
Vinyl Acetate
Concen: 20.992 ug/l
RT: 6.338 min Scan# 751
Delta R.T. 0.035 min
Lab File: VD071032.D
Acq: 15 Nov 2021 17:08

Tgt Ion:	43	Resp:	59
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

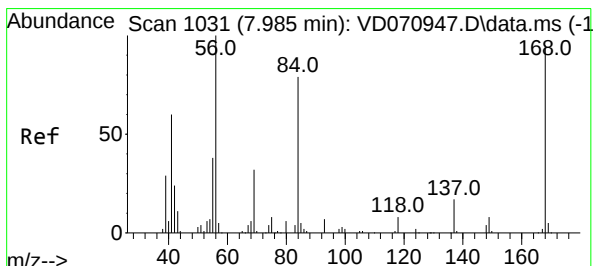
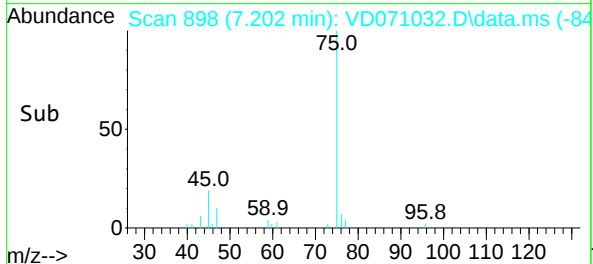
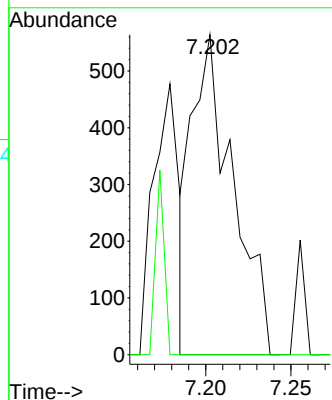
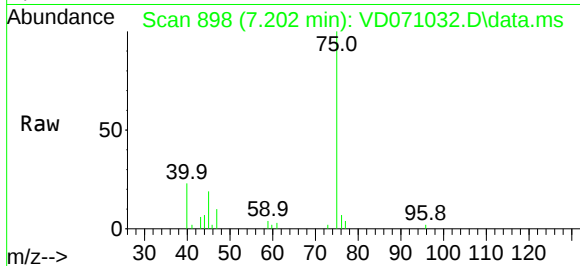




#25
2-Butanone
Concen: 21.253 ug/l
RT: 7.202 min Scan# 899
Delta R.T. -0.007 min
Lab File: VD071032.D
Acq: 15 Nov 2021 17:08

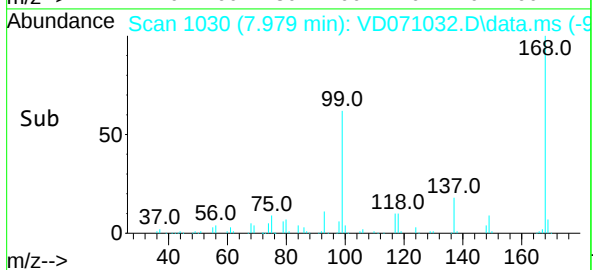
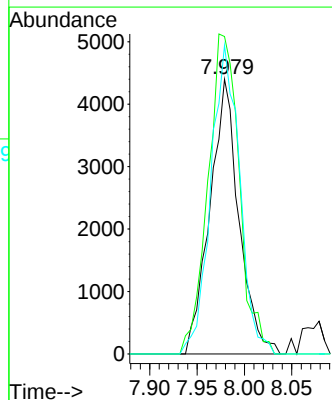
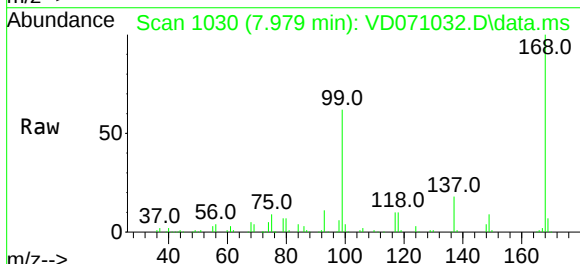
Instrument :
MSVOA_D
ClientSampleId :

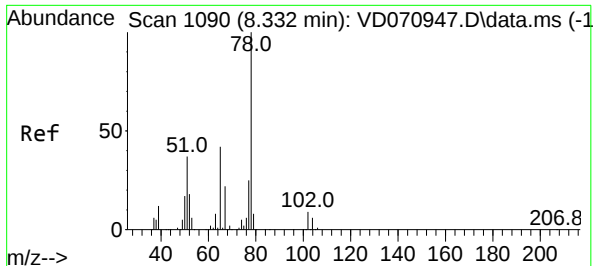
Tgt Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.619 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071032.D
Acq: 15 Nov 2021 17:08

Tgt Ion: 56 Resp: 9379
Ion Ratio Lower Upper
56 100
69 115.6 25.9 38.9#
84 112.4 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 48.818 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VD071032.D

Acq: 15 Nov 2021 17:08

Instrument :

MSVOA_D

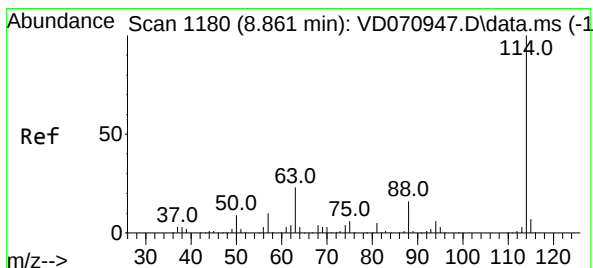
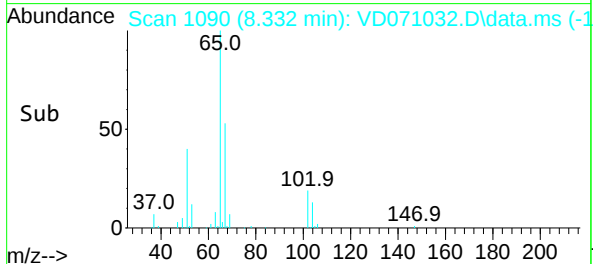
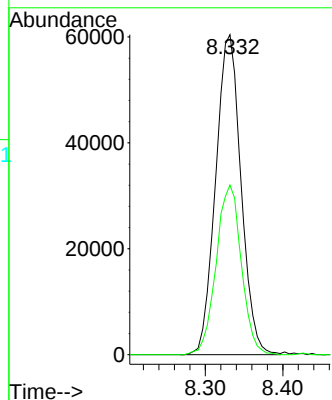
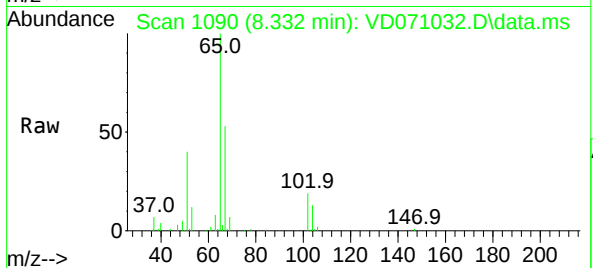
ClientSampleId :

Tgt Ion: 65 Resp: 137509

Ion Ratio Lower Upper

65 100

67 52.7 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: VD071032.D

Acq: 15 Nov 2021 17:08

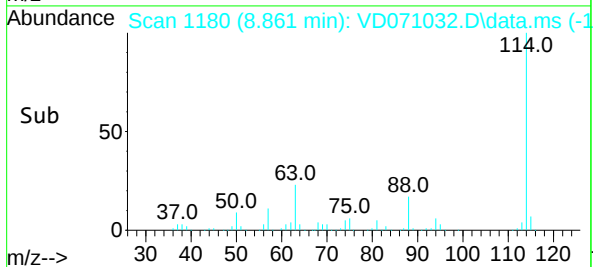
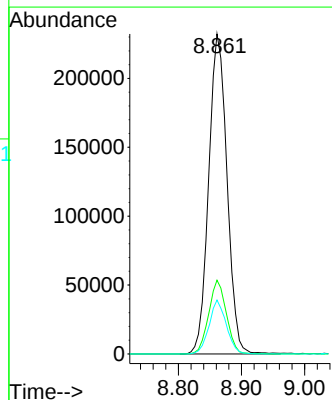
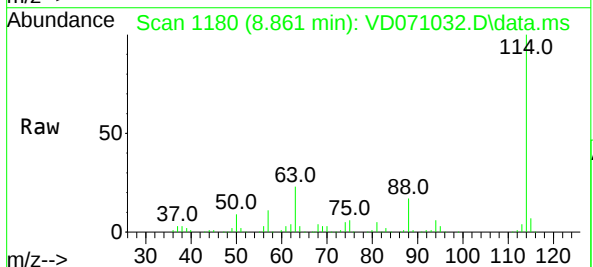
Tgt Ion: 114 Resp: 468794

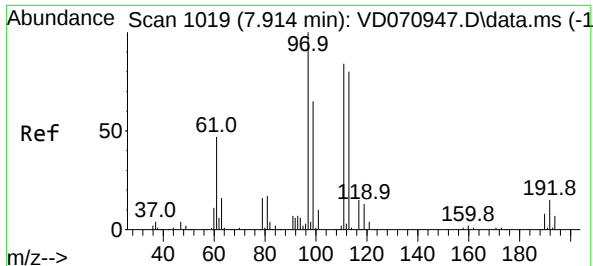
Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.8

88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.949 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

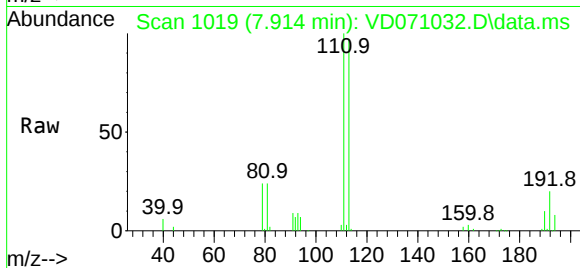
Lab File: VD071032.D

Acq: 15 Nov 2021 17:08

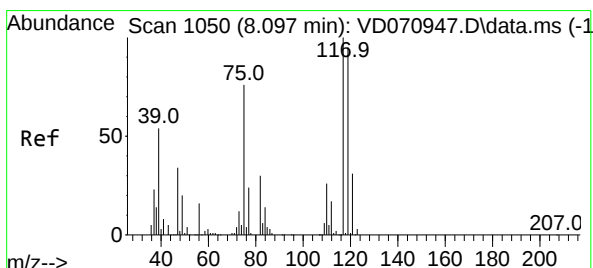
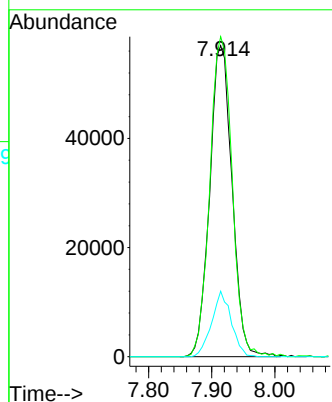
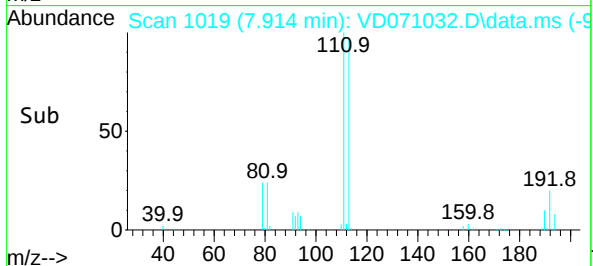
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	140066
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.0	123.0
192	18.5	15.2	22.8



#38

Carbon Tetrachloride

Concen: 7.222 ug/l

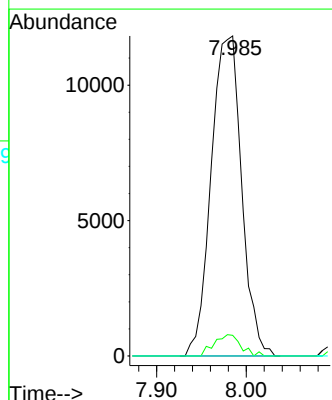
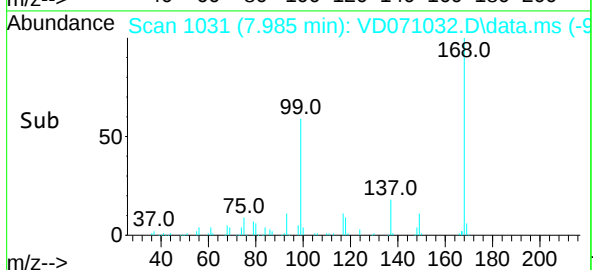
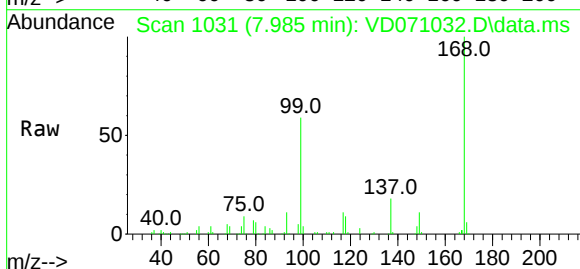
RT: 7.985 min Scan# 1031

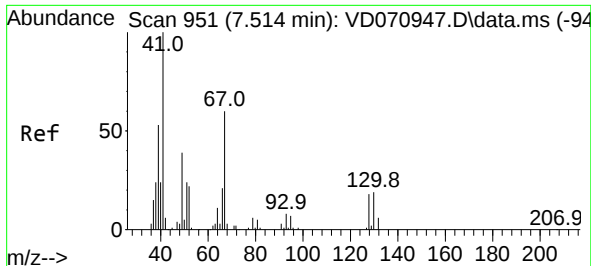
Delta R.T. -0.112 min

Lab File: VD071032.D

Acq: 15 Nov 2021 17:08

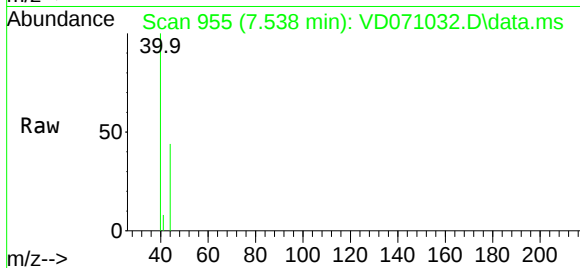
Tgt Ion:	117	Resp:	27836
Ion Ratio	Lower	Upper	
117	100		
119	6.4	75.8	113.6#
121	0.0	23.6	35.4#



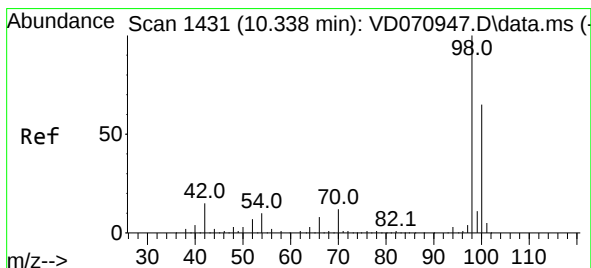
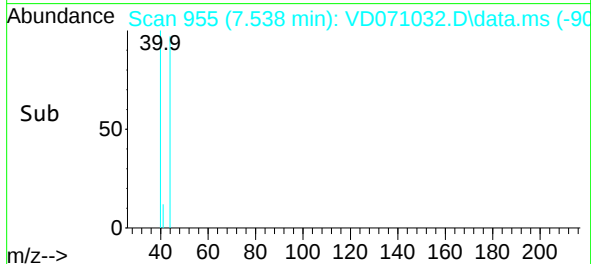
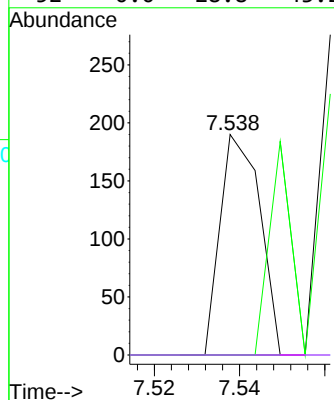


#41
Methacrylonitrile
Concen: 3.588 ug/l
RT: 7.538 min Scan# 91
Delta R.T. 0.024 min
Lab File: VD071032.D
Acq: 15 Nov 2021 17:08

Instrument :
MSVOA_D
ClientSampleId :

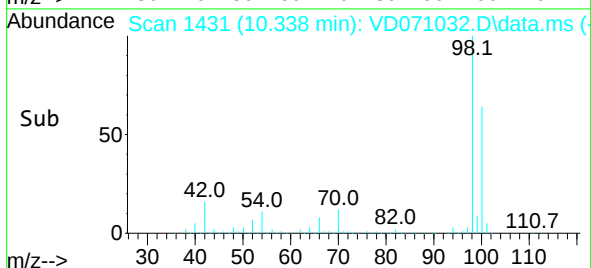
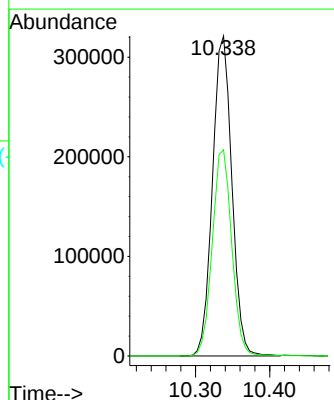
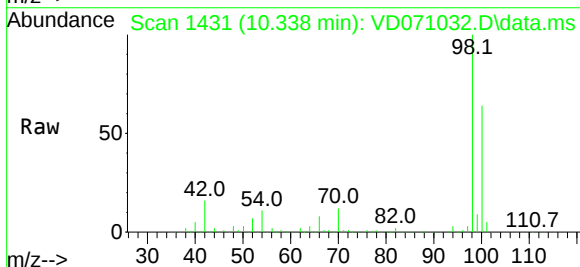


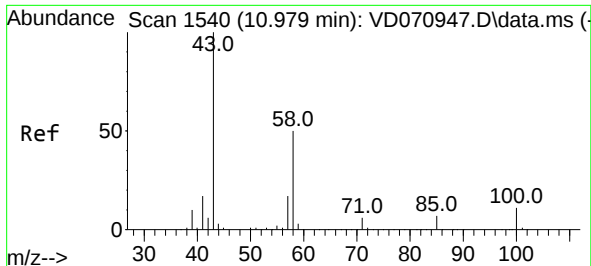
Tgt Ion: 41	Resp:	123
Ion	Ratio	Lower Upper
41	100	
39	0.0	60.2 90.4#
67	0.0	74.8 112.2#
52	0.0	28.8 43.2#



#50
Toluene-d8
Concen: 56.279 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071032.D
Acq: 15 Nov 2021 17:08

Tgt Ion: 98	Resp:	583031
Ion	Ratio	Lower Upper
98	100	
100	64.9	51.8 77.6

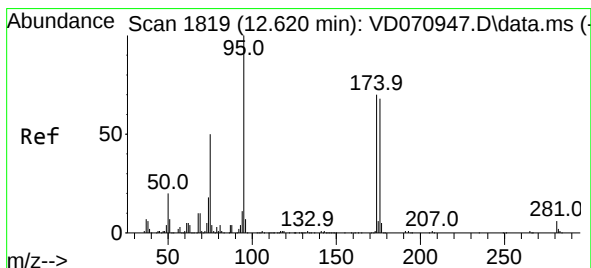
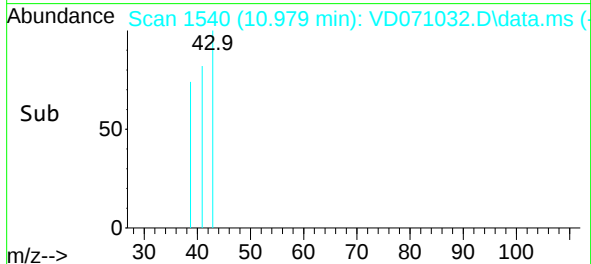
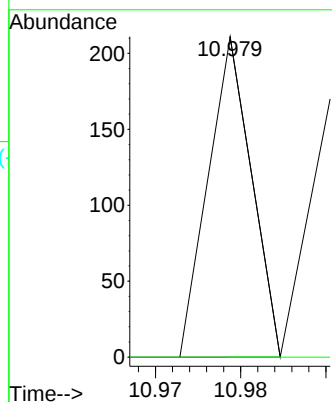
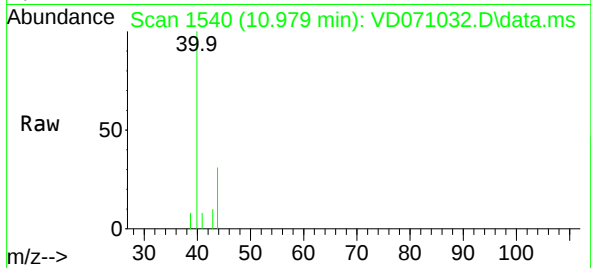




#59
2-Hexanone
Concen: 15.980 ug/l
RT: 10.979 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071032.D
Acq: 15 Nov 2021 17:08

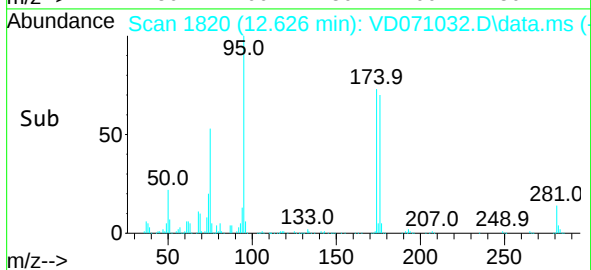
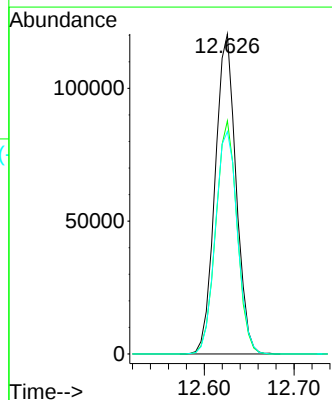
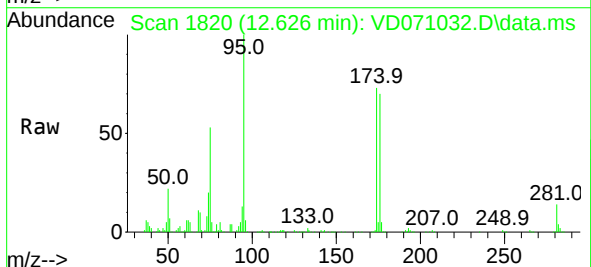
Instrument :
MSVOA_D
ClientSampleId :

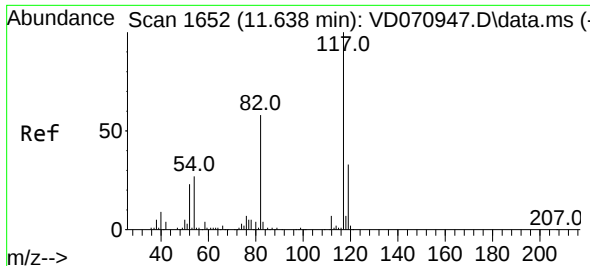
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 52.257 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD071032.D
Acq: 15 Nov 2021 17:08

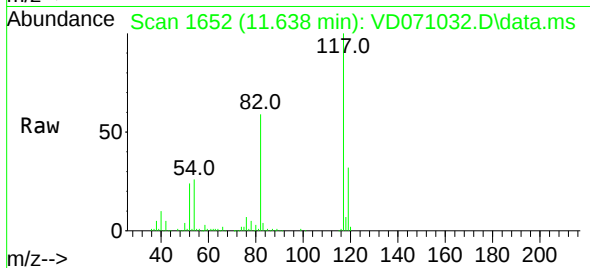
Tgt Ion: 95 Resp: 194924
Ion Ratio Lower Upper
95 100
174 73.7 0.0 159.4
176 73.5 0.0 154.0



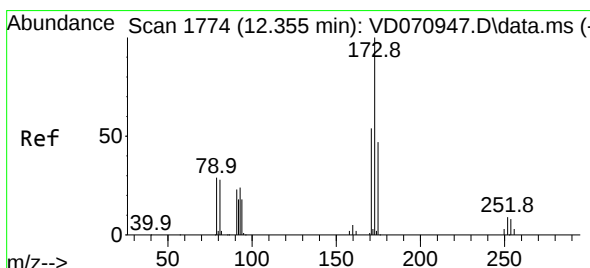
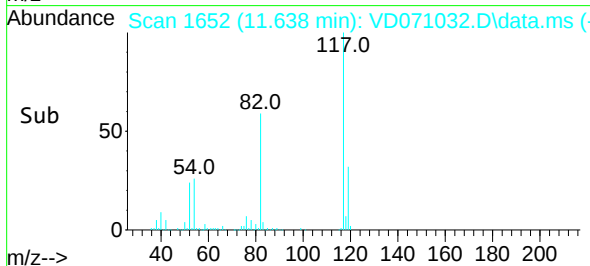
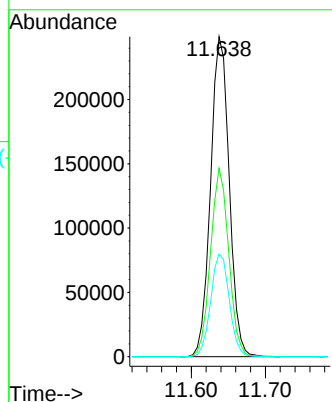


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071032.D
Acq: 15 Nov 2021 17:08

Instrument :
MSVOA_D
ClientSampleId :

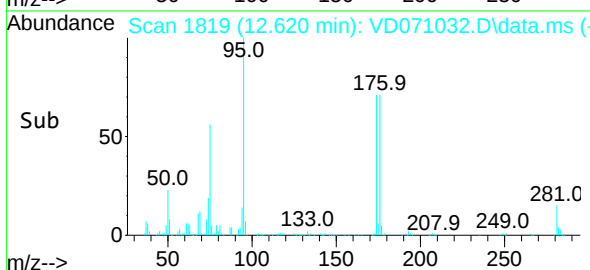
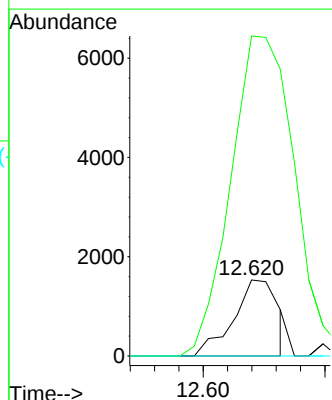
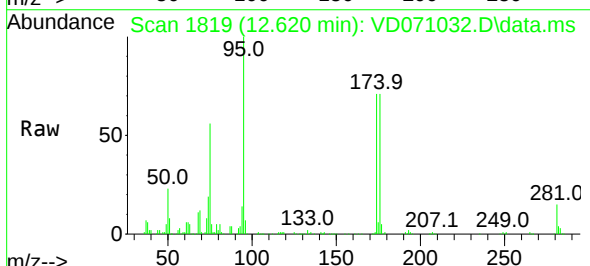


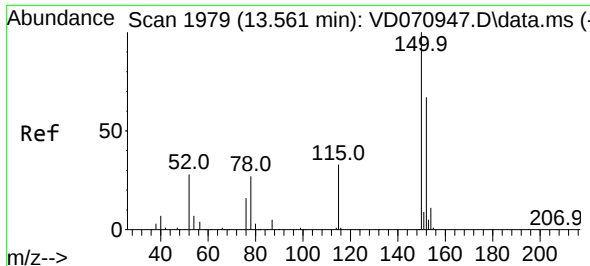
Tgt Ion:117 Resp: 434411
Ion Ratio Lower Upper
117 100
82 58.9 44.7 67.1
119 32.1 26.2 39.4



#71
Bromoform
Concen: 1.359 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071032.D
Acq: 15 Nov 2021 17:08

Tgt Ion:173 Resp: 1950
Ion Ratio Lower Upper
173 100
175 484.8 24.1 72.2#
254 0.0 0.1 0.1#

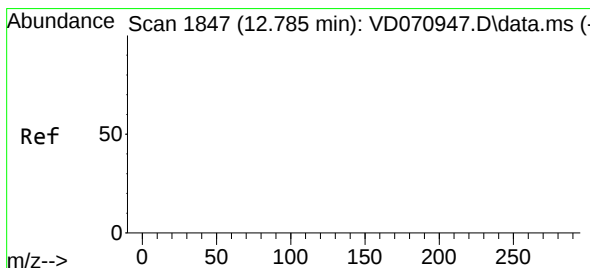
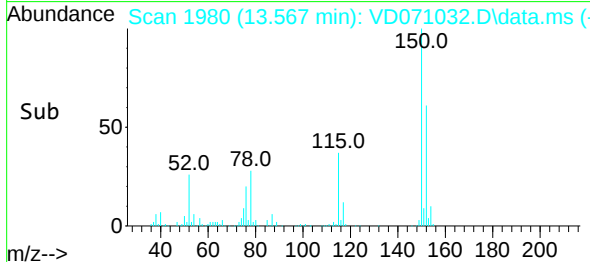
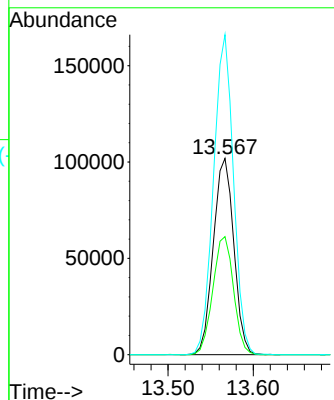
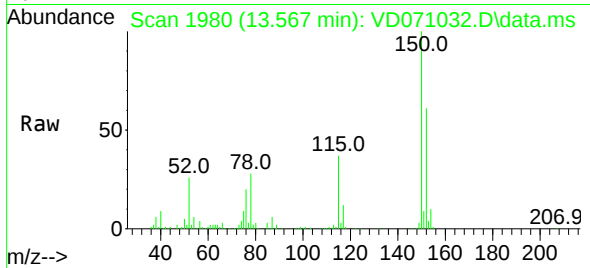




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1979
 Delta R.T. 0.006 min
 Lab File: VD071032.D
 Acq: 15 Nov 2021 17:08

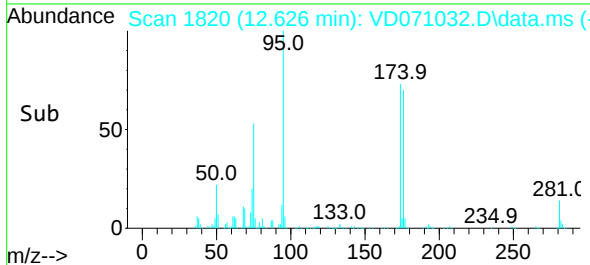
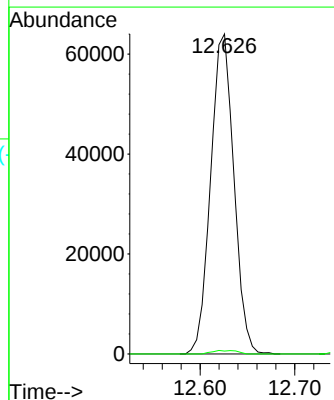
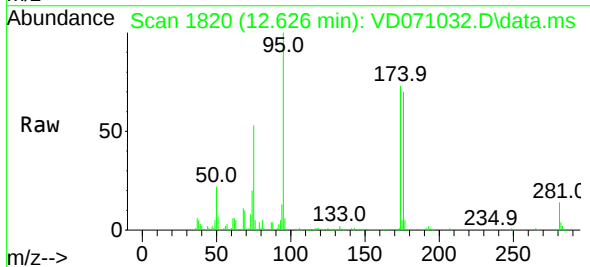
Instrument :
 MSVOA_D
 ClientSampleId :

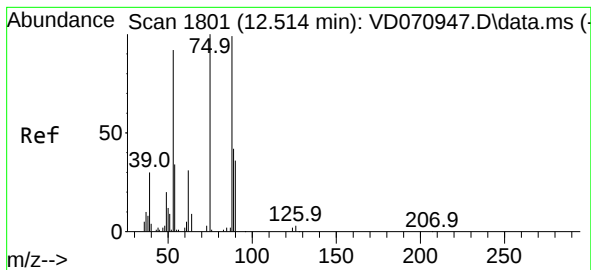
Tgt Ion:152 Resp: 170692
 Ion Ratio Lower Upper
 152 100
 115 60.6 29.8 89.3
 150 158.6 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 74.792 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.159 min
 Lab File: VD071032.D
 Acq: 15 Nov 2021 17:08

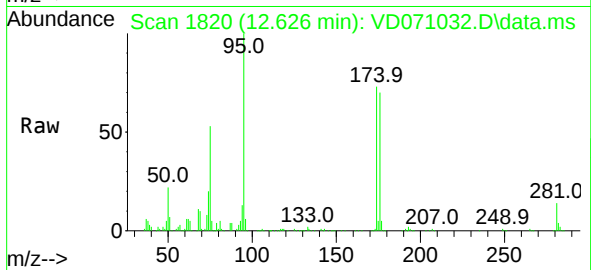
Tgt Ion: 75 Resp: 109051
 Ion Ratio Lower Upper
 75 100
 77 1.2 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.761 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VD071032.D
 Acq: 15 Nov 2021 17:08

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 109051
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

