

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070231.D
 Acq On : 23 Aug 2021 20:10
 Operator : VA/SY
 Sample : M3507-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 130-A

Quant Time: Aug 24 01:32:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	447306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	915407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	900477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	375427	50.000	ug/l	0.00

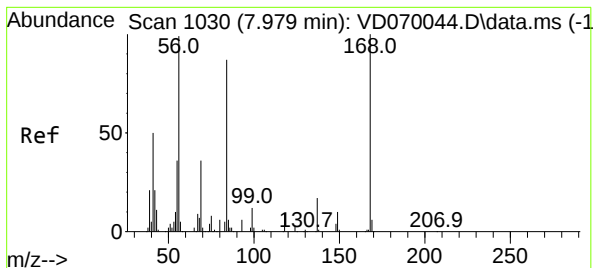
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	307984	58.541	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.080%
35) Dibromofluoromethane	7.914	113	306044	51.748	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.500%
50) Toluene-d8	10.338	98	1201404	52.229	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.460%
62) 4-Bromofluorobenzene	12.626	95	368645	48.656	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.320%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.991	85	1649	Below Cal	82
3) Chloromethane	2.215	50	1093	Below Cal	# 68
5) Bromomethane	2.768	94	1869	Below Cal	# 75
16) Acetone	4.168	43	2046	2.111 ug/l	# 84
20) Methylene Chloride	4.962	84	122523	12.424 ug/l	95
31) Cyclohexane	7.985	56	11937	1.146 ug/l	# 28
38) Carbon Tetrachloride	7.973	117	50329	5.629 ug/l	# 13
51) 4-Methyl-2-Pentanone	10.338	43	4615	1.329 ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	183278	48.138 ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	183278	124.949 ug/l	# 18

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

Quant Time: Aug 24 01:32:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration

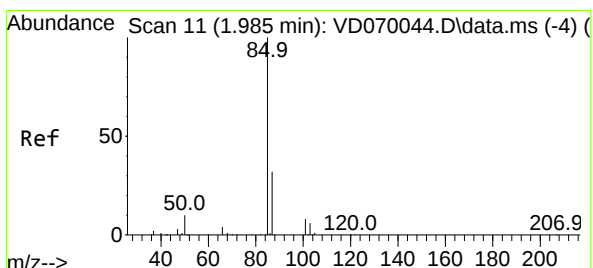
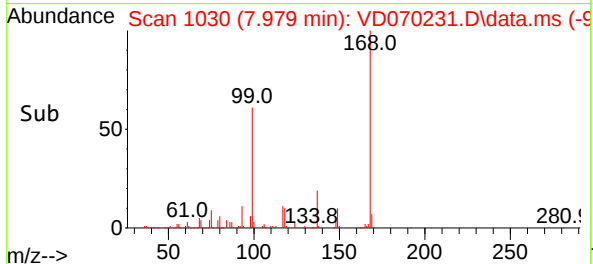
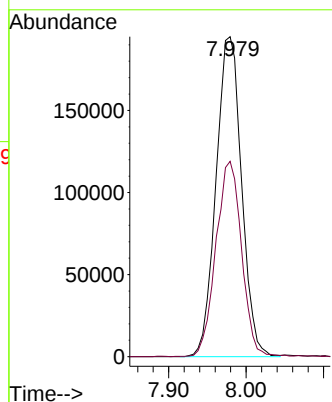
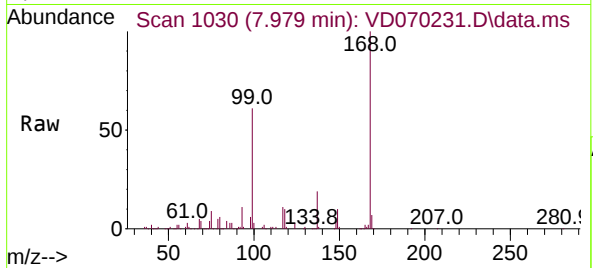




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

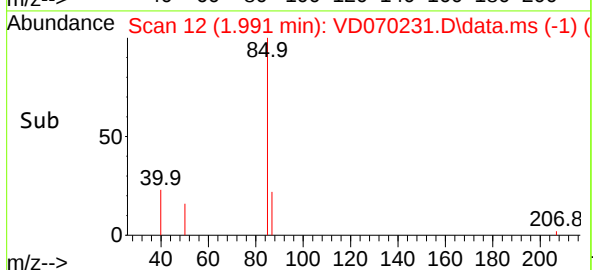
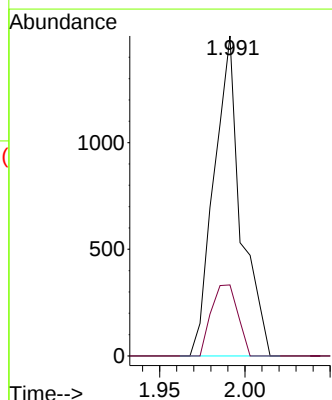
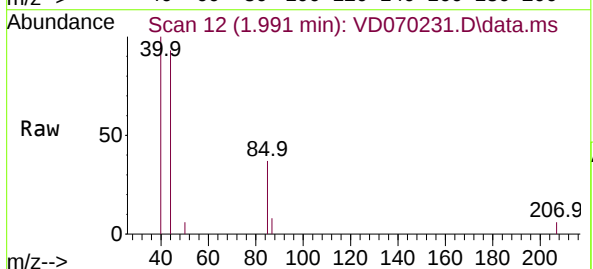
Instrument :
MSVOA_D
ClientSampleId :
130-A

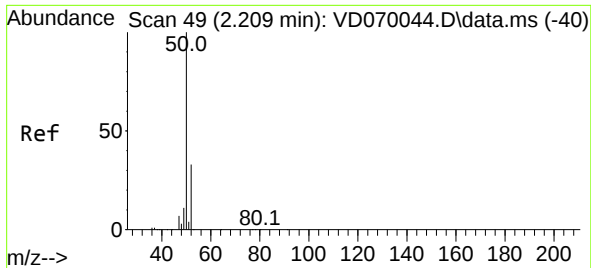
Tgt Ion:168 Resp: 447306
Ion Ratio Lower Upper
168 100
99 61.0 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

Tgt Ion: 85 Resp: 1649
Ion Ratio Lower Upper
85 100
87 22.2 16.2 48.6

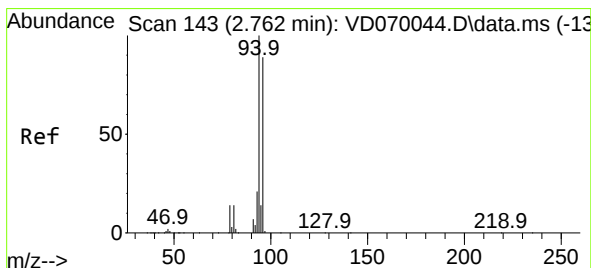
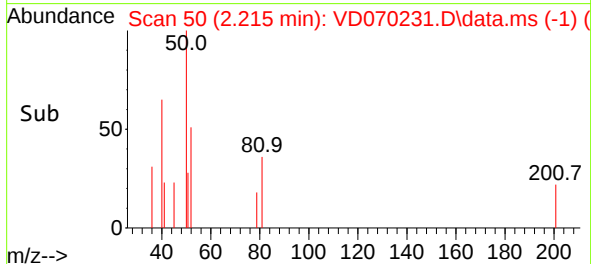
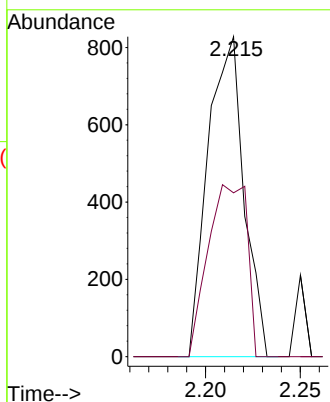
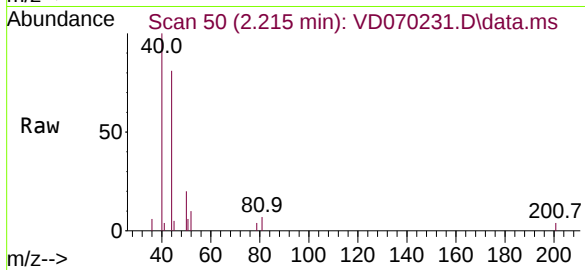




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

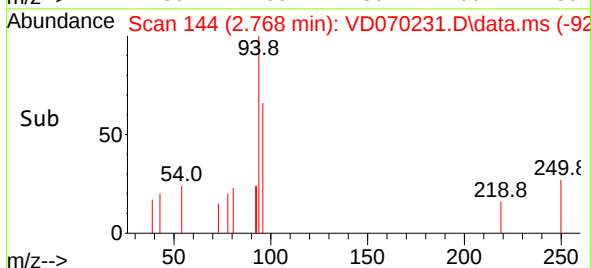
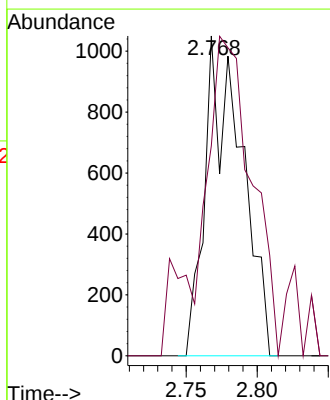
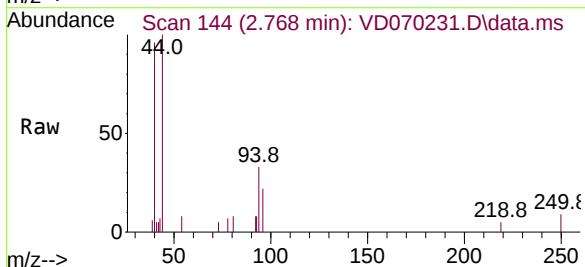
Instrument :
MSVOA_D
ClientSampleId :
130-A

Tgt Ion: 50 Resp: 1093
Ion Ratio Lower Upper
50 100
52 51.2 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

Tgt Ion: 94 Resp: 1869
Ion Ratio Lower Upper
94 100
96 65.6 70.9 106.3#

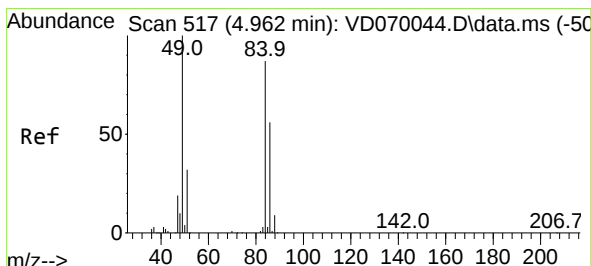
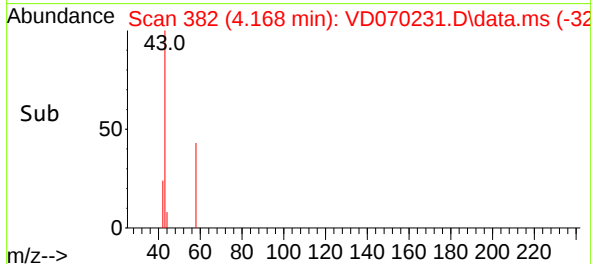
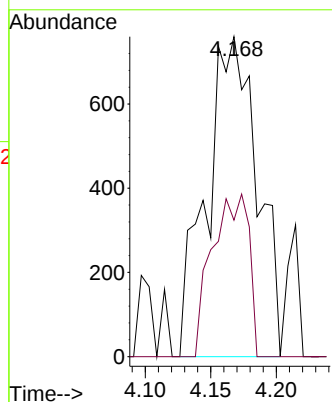
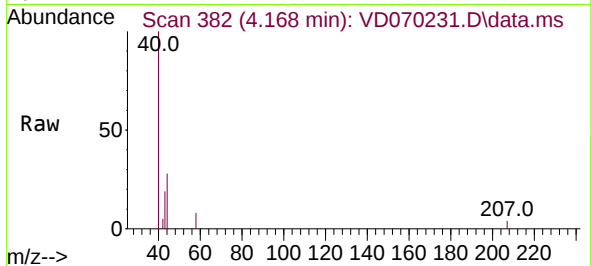




#16
Acetone
Concen: 2.111 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

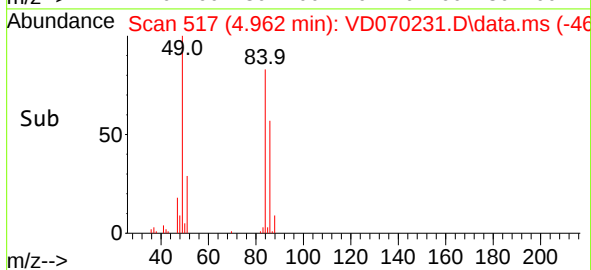
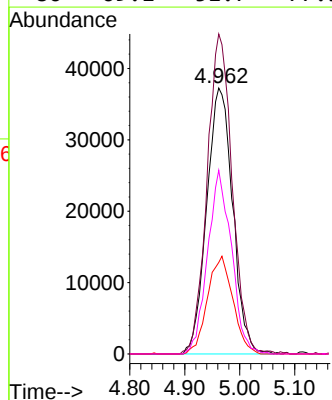
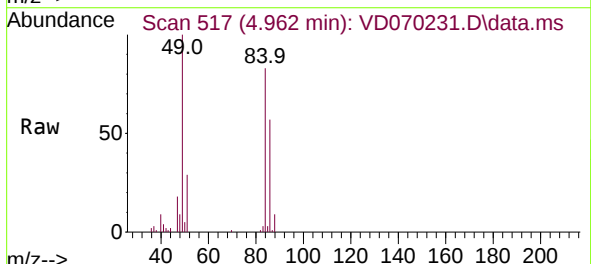
Instrument :
MSVOA_D
ClientSampled :
130-A

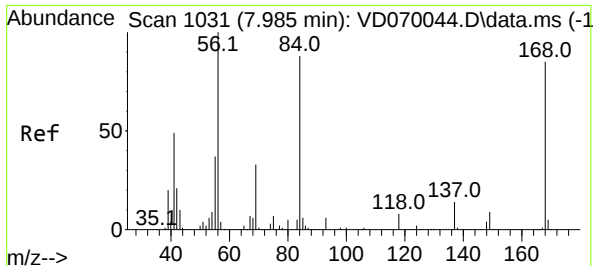
Tgt Ion: 43 Resp: 2046
Ion Ratio Lower Upper
43 100
58 42.6 26.8 40.2#



#20
Methylene Chloride
Concen: 12.424 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

Tgt Ion: 84 Resp: 122523
Ion Ratio Lower Upper
84 100
49 120.3 92.5 138.7
51 34.4 29.7 44.5
86 69.1 51.7 77.5

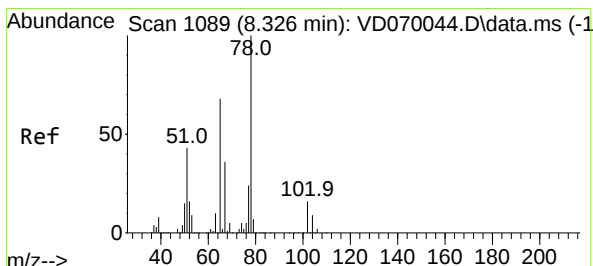
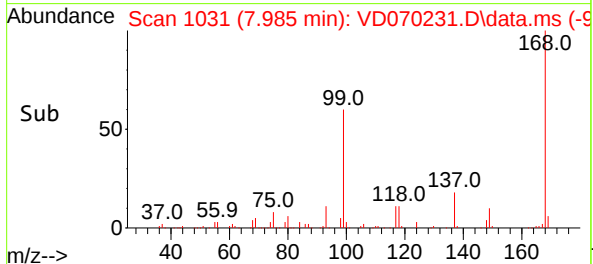
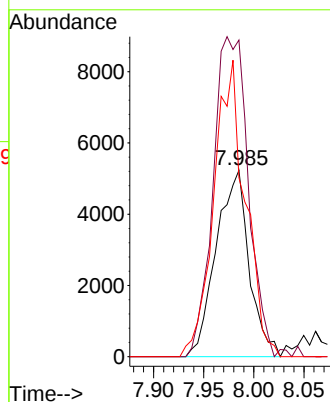
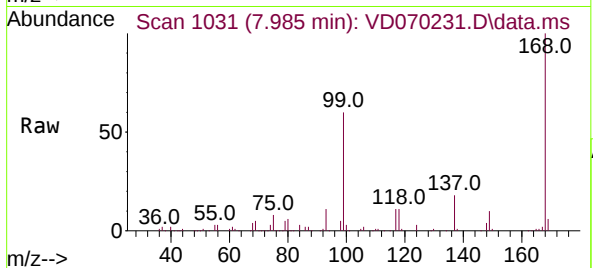




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

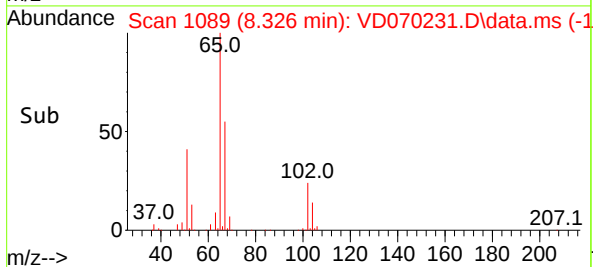
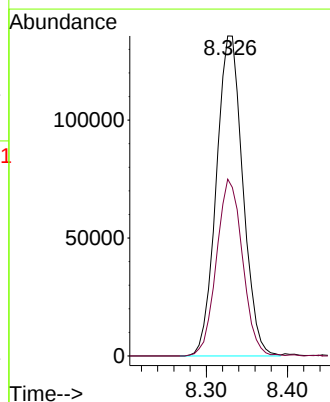
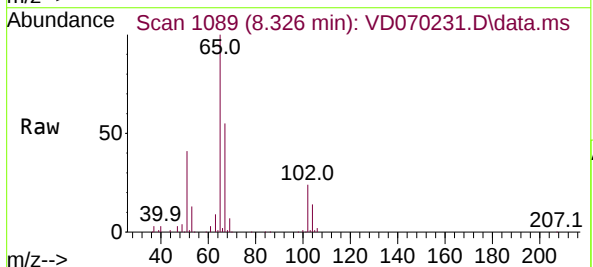
Instrument :
MSVOA_D
ClientSampleId :
130-A

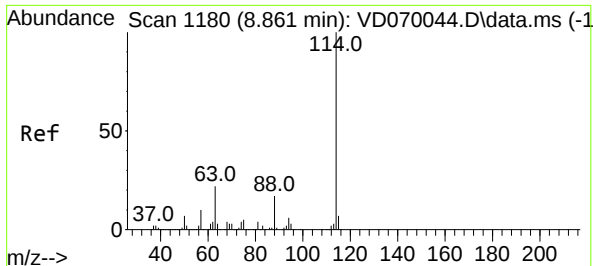
Tgt Ion: 56 Resp: 11937
Ion Ratio Lower Upper
56 100
69 169.8 26.7 40.1#
84 96.1 70.4 105.6



#33
1,2-Dichloroethane-d4
Concen: 58.541 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

Tgt Ion: 65 Resp: 307984
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

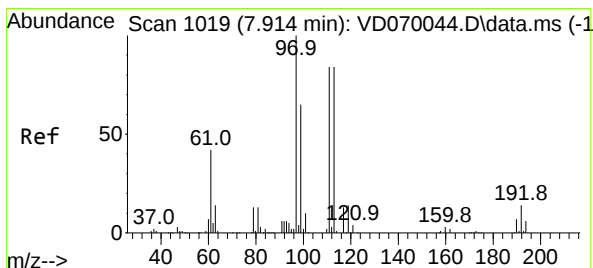
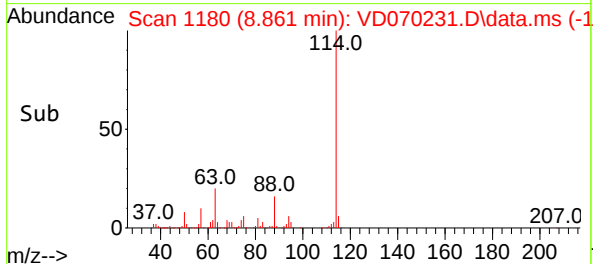
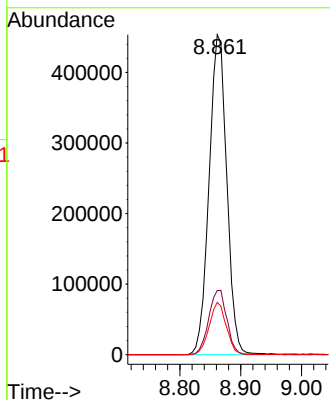
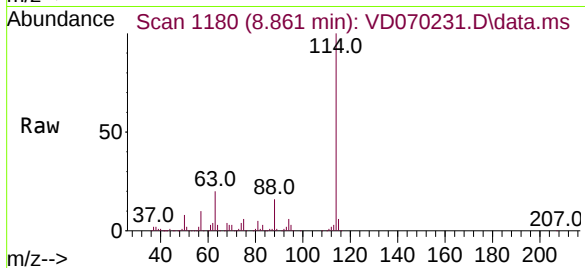
Delta R.T. 0.000 min

Lab File: VD070231.D

Acq: 23 Aug 2021 20:10

Tgt Ion:	114	Resp:	915407
Ion Ratio	Lower	Upper	
114	100		
63	20.1	0.0	43.6
88	16.3	0.0	33.4

Instrument :
MSVOA_D
ClientSampleId :
130-A



#35

Dibromofluoromethane

Concen: 51.748 ug/l

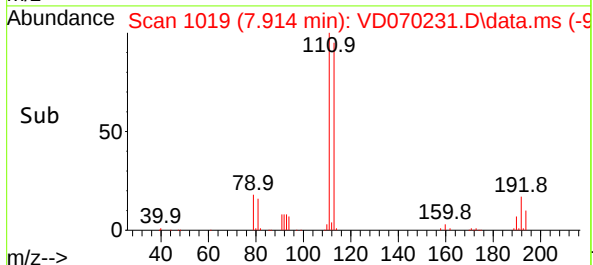
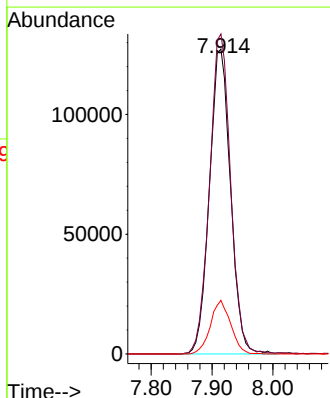
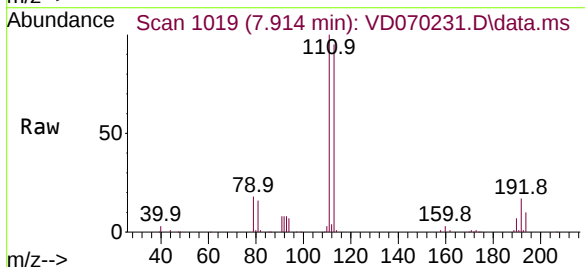
RT: 7.914 min Scan# 1019

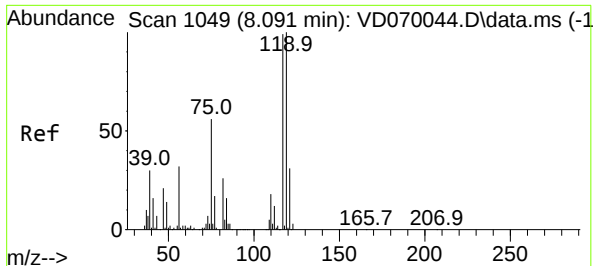
Delta R.T. 0.000 min

Lab File: VD070231.D

Acq: 23 Aug 2021 20:10

Tgt Ion:	113	Resp:	306044
Ion Ratio	Lower	Upper	
113	100		
111	104.7	81.8	122.6
192	16.9	13.2	19.8

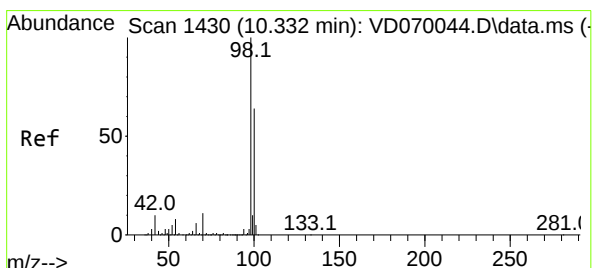
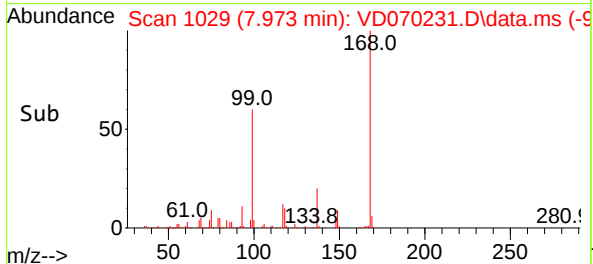
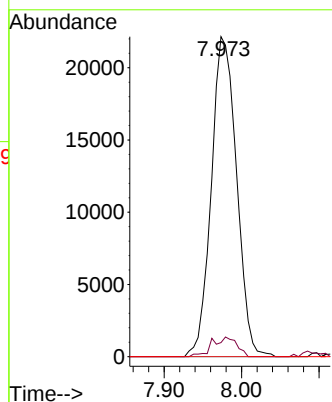
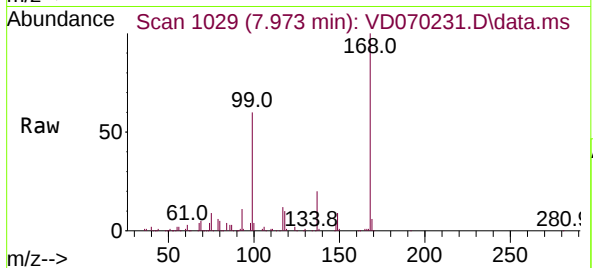




#38
Carbon Tetrachloride
Concen: 5.629 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

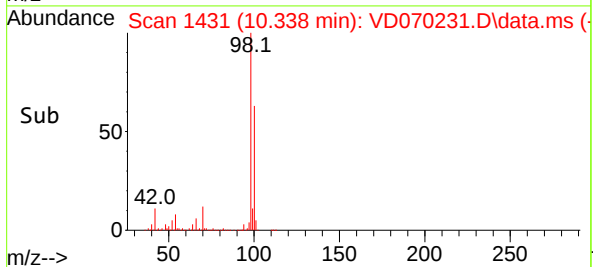
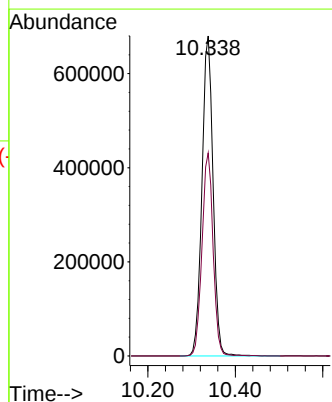
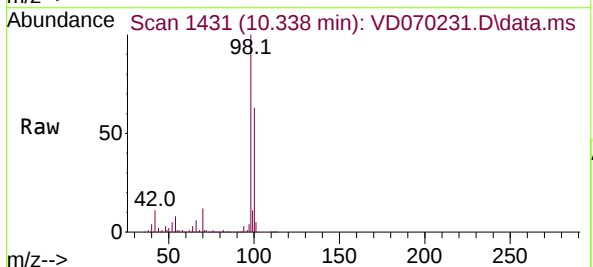
Instrument :
MSVOA_D
ClientSampleId :
130-A

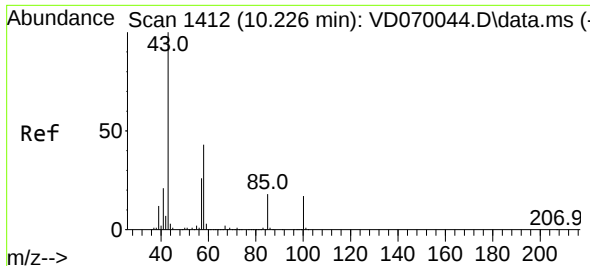
Tgt Ion:117 Resp: 50329
Ion Ratio Lower Upper
117 100
119 4.4 81.0 121.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 52.229 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

Tgt Ion: 98 Resp: 1201404
Ion Ratio Lower Upper
98 100
100 63.4 52.6 78.8

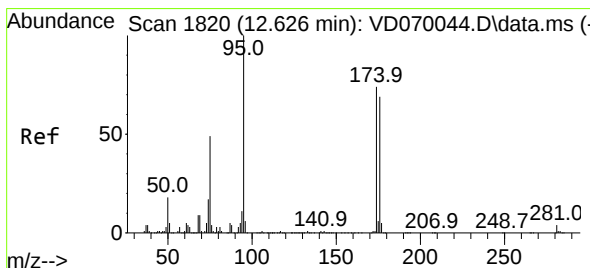
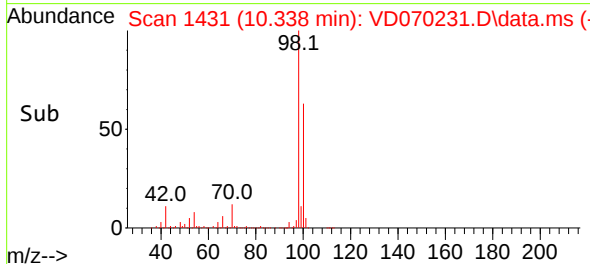
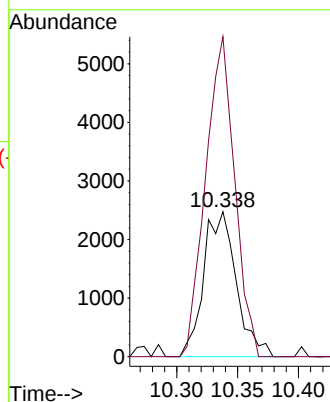
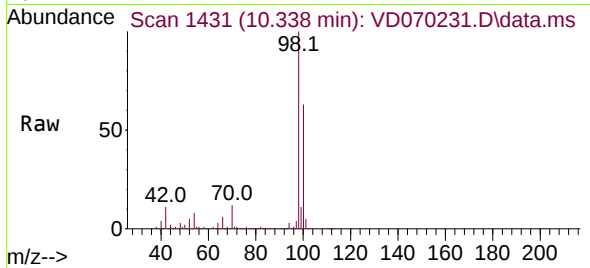




#51
4-Methyl-2-Pentanone
Concen: 1.329 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

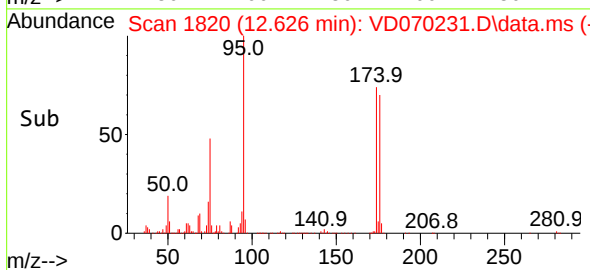
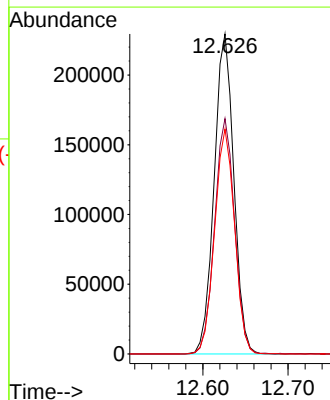
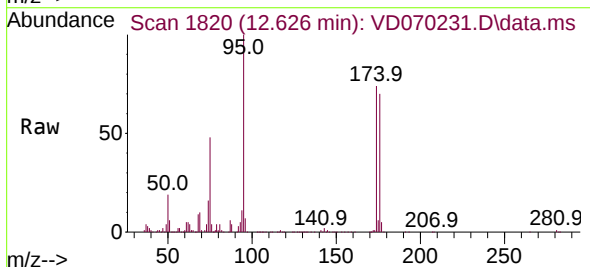
Instrument :
MSVOA_D
ClientSampled :
130-A

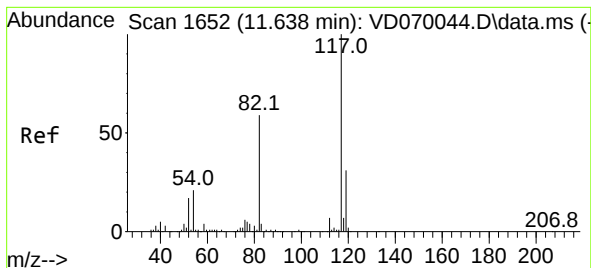
Tgt Ion: 43 Resp: 4615
Ion Ratio Lower Upper
43 100
58 197.4 33.9 50.9#



#62
4-Bromofluorobenzene
Concen: 48.656 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

Tgt Ion: 95 Resp: 368645
Ion Ratio Lower Upper
95 100
174 74.6 0.0 141.6
176 71.4 0.0 138.2

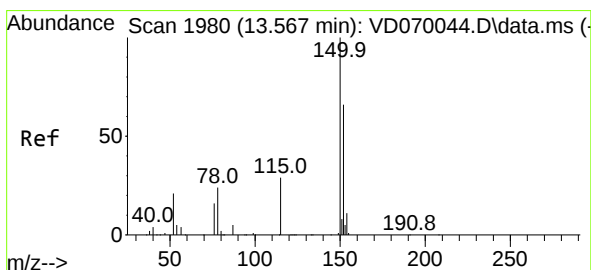
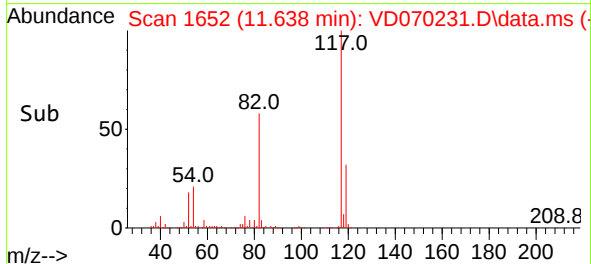
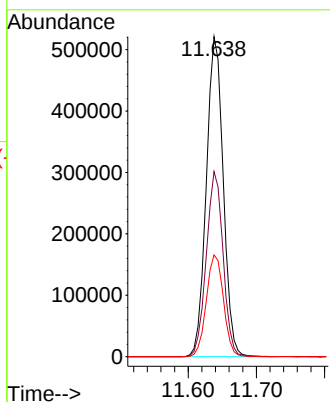
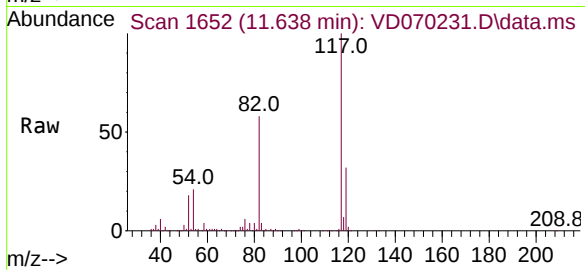




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

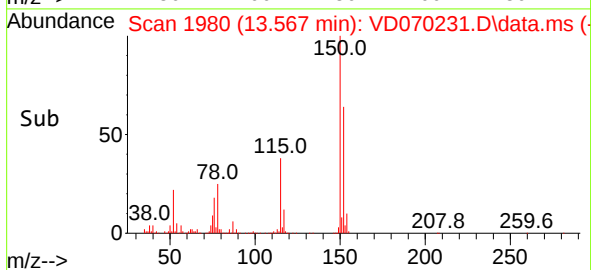
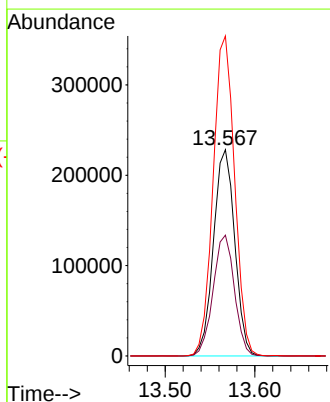
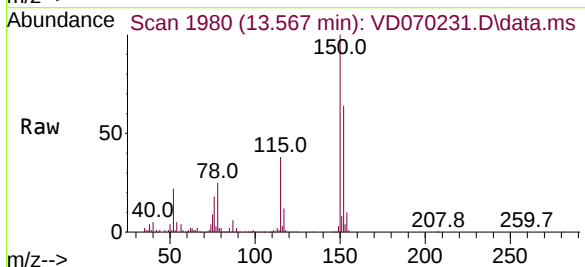
Instrument :
MSVOA_D
ClientSampleId :
130-A

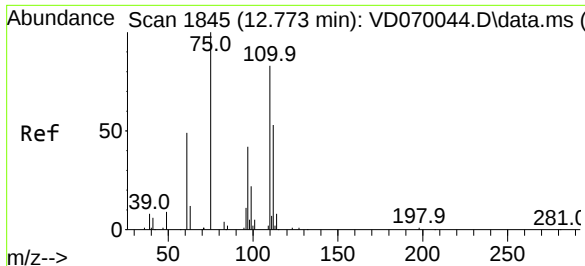
Tgt Ion:117 Resp: 900477
Ion Ratio Lower Upper
117 100
82 57.9 47.5 71.3
119 31.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

Tgt Ion:152 Resp: 375427
Ion Ratio Lower Upper
152 100
115 58.7 31.2 93.6
150 156.7 0.0 352.0

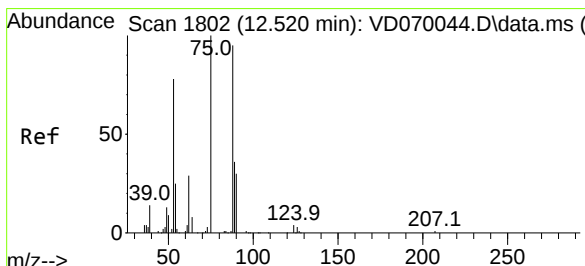
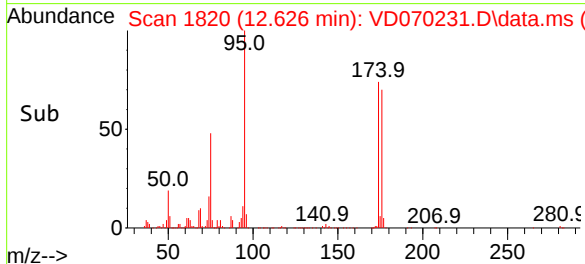
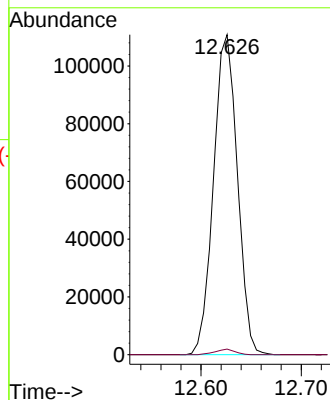
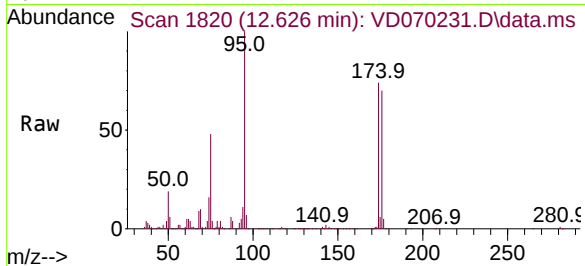




#76
1,2,3-Trichloropropane
Concen: 48.138 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

Instrument :
MSVOA_D
ClientSampleId :
130-A

Tgt Ion: 75 Resp: 183278
Ion Ratio Lower Upper
75 100
77 1.4 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.949 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070231.D
Acq: 23 Aug 2021 20:10

Tgt Ion: 75 Resp: 183278
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.0 33.7 50.5#

