

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070222.D
 Acq On : 23 Aug 2021 15:24
 Operator : VA/SY
 Sample : M3463-31
 Misc : 5.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SWCS-25-0204

Quant Time: Aug 24 01:31:25 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)

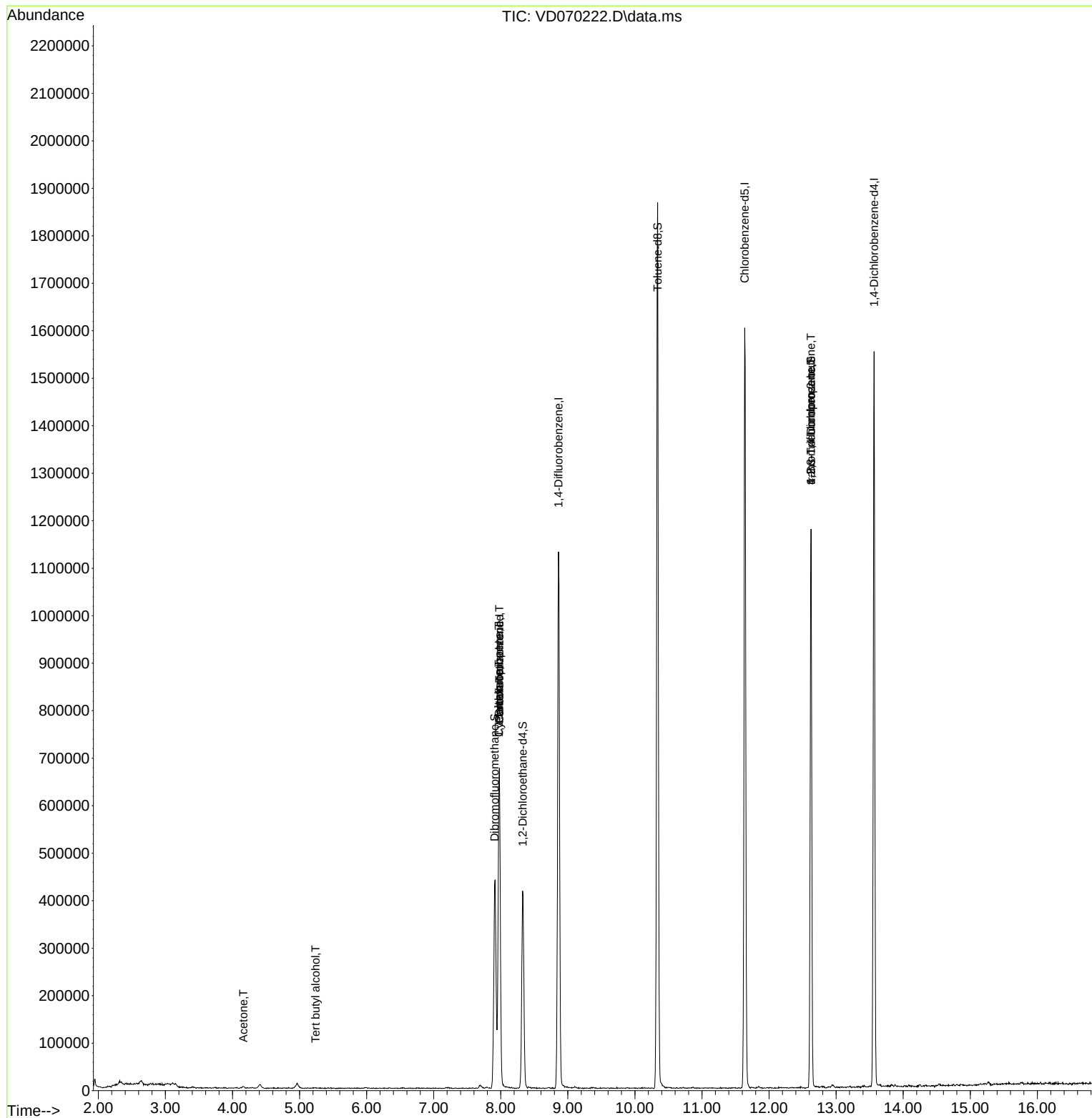
Internal Standards						
1) Pentafluorobenzene	7.979	168	475368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	971718	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	944877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	393510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	321698	57.538	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.080%
35) Dibromofluoromethane	7.908	113	321804	51.260	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.520%
50) Toluene-d8	10.338	98	1260069	51.605	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.200%
62) 4-Bromofluorobenzene	12.626	95	402759	50.079	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.160%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	387	Below Cal		89
3) Chloromethane	2.203	50	1106	Below Cal	#	55
5) Bromomethane	2.773	94	2225	Below Cal		93
11) Tert butyl alcohol	5.238	59	358	1.158 ug/l	#	71
16) Acetone	4.162	43	5099	4.951 ug/l	#	76
20) Methylene Chloride	4.961	84	7938	Below Cal	#	91
31) Cyclohexane	7.973	56	11395	1.030 ug/l	#	1
36) 1,1-Dichloropropene	7.973	75	45945	4.395 ug/l	#	50
38) Carbon Tetrachloride	7.979	117	53068	5.592 ug/l	#	15
76) 1,2,3-Trichloropropane	12.626	75	197173	49.408 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	197173	128.244 ug/l	#	18

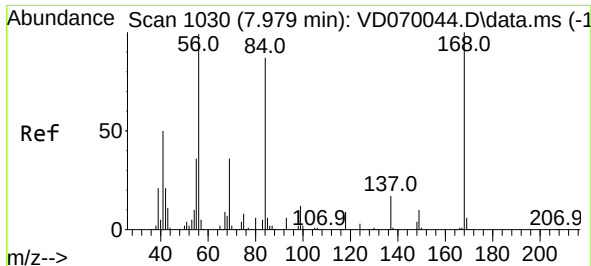
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration

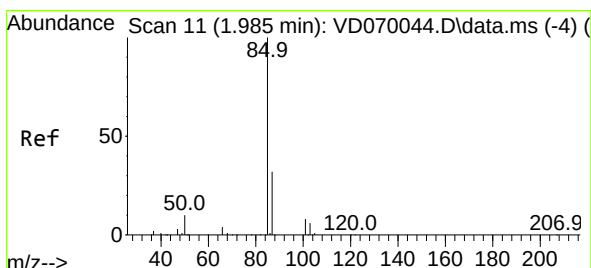
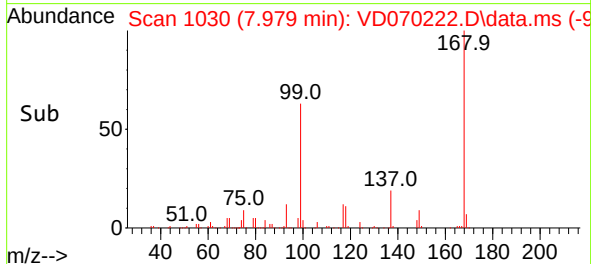
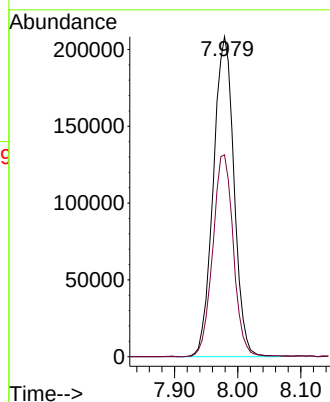
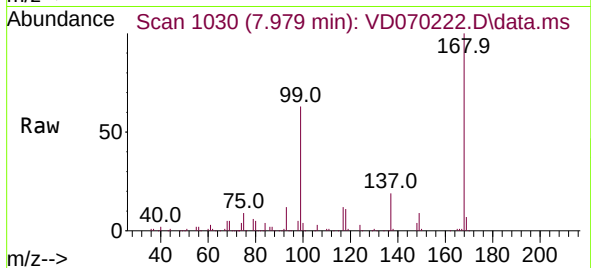




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

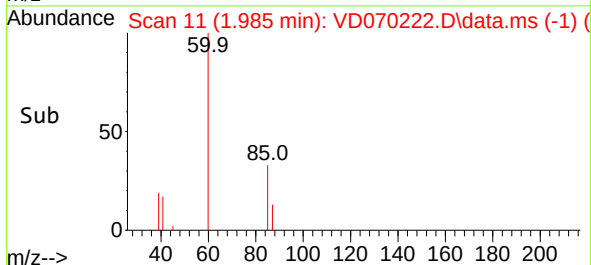
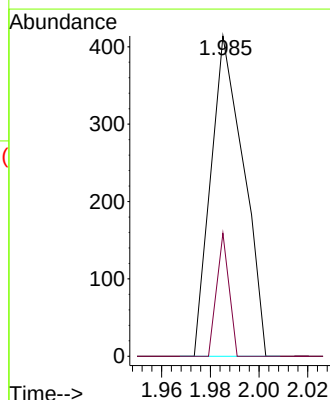
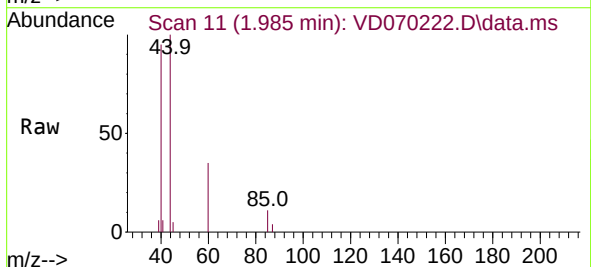
Instrument :
MSVOA_D
ClientSampleId :
SWCS-25-0204

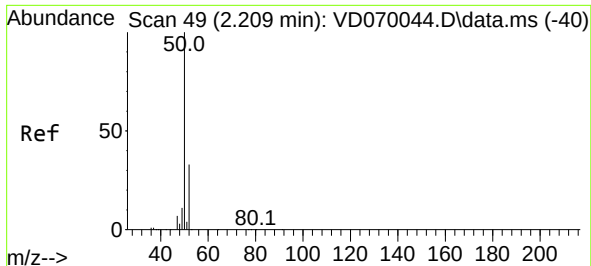
Tgt Ion:168 Resp: 475368
Ion Ratio Lower Upper
168 100
99 63.1 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

Tgt Ion: 85 Resp: 387
Ion Ratio Lower Upper
85 100
87 38.4 16.2 48.6

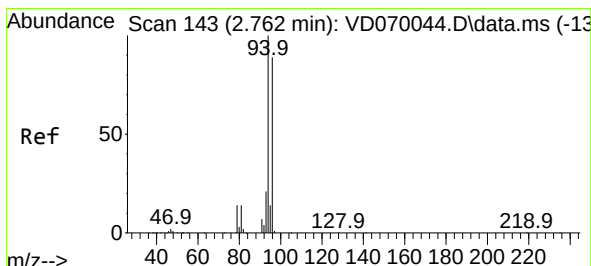
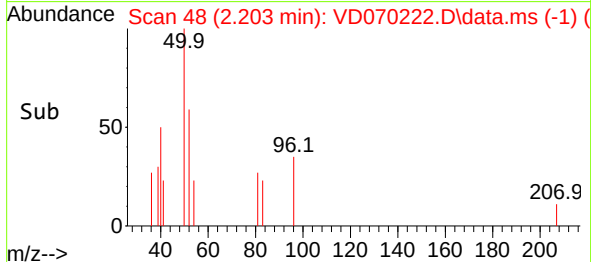
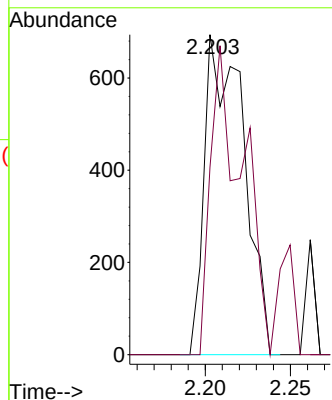
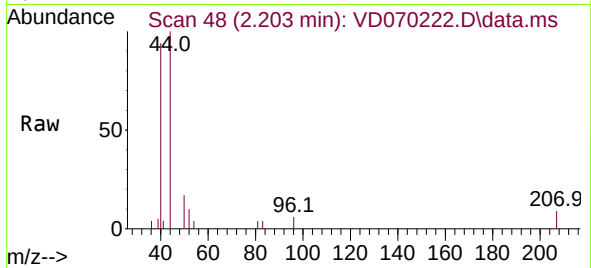




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

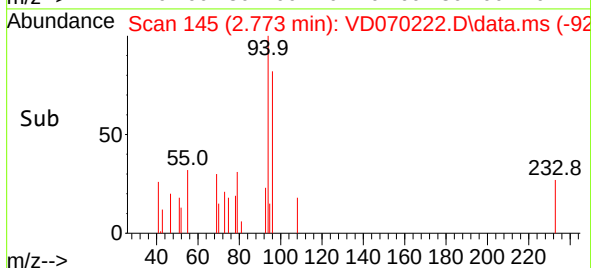
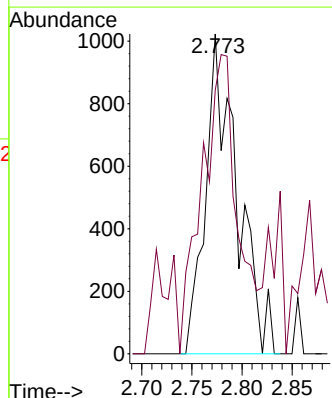
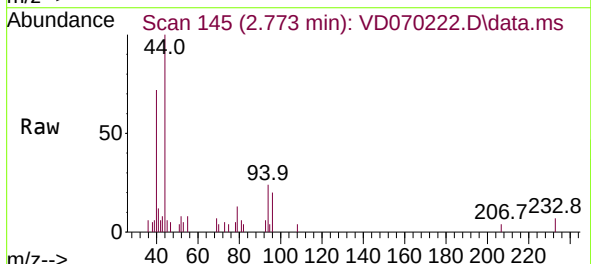
Instrument :
MSVOA_D
ClientSampleId :
SWCS-25-0204

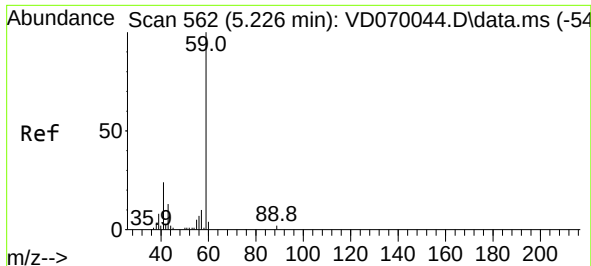
Tgt Ion: 50 Resp: 1106
Ion Ratio Lower Upper
50 100
52 58.5 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

Tgt Ion: 94 Resp: 2225
Ion Ratio Lower Upper
94 100
96 82.4 70.9 106.3



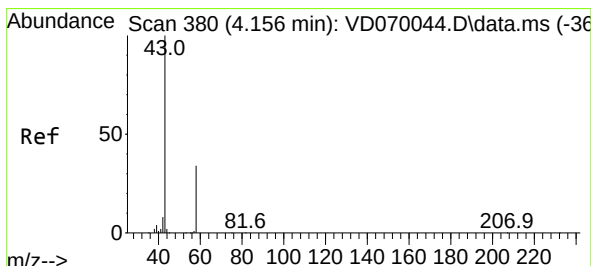
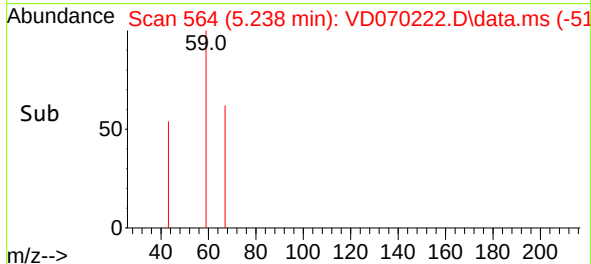
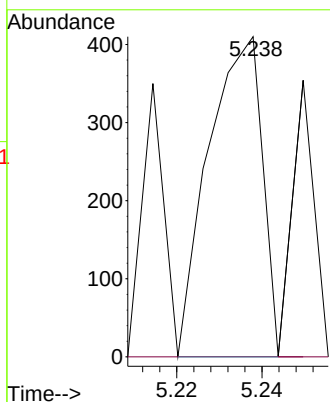
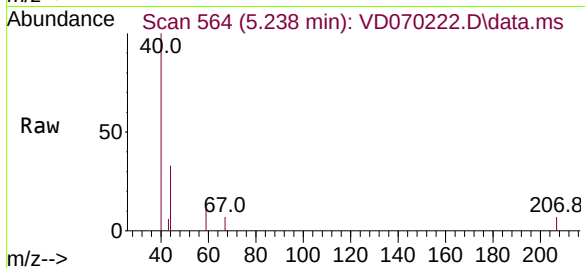


#11

Tert butyl alcohol
Concen: 1.158 ug/l
RT: 5.238 min Scan# 564
Delta R.T. 0.012 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

Instrument :
MSVOA_D
ClientSampleId :
SWCS-25-0204

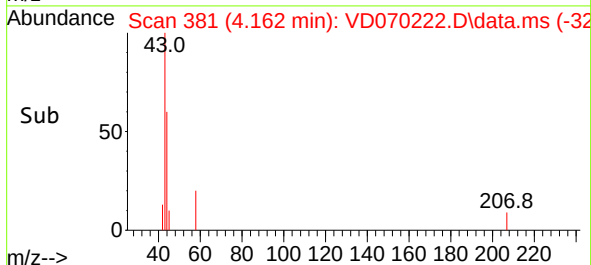
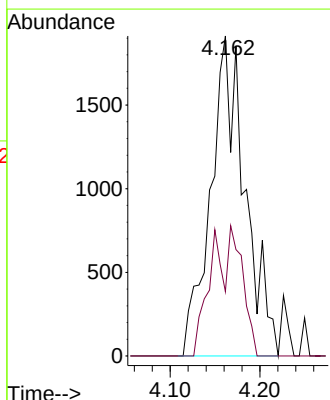
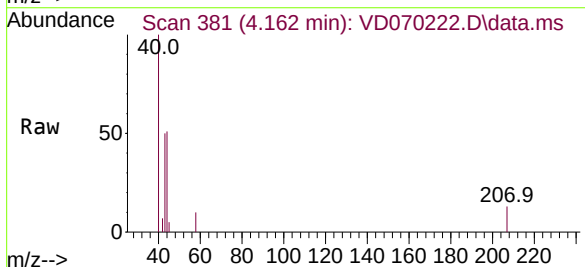
Tgt Ion: 59 Resp: 358
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

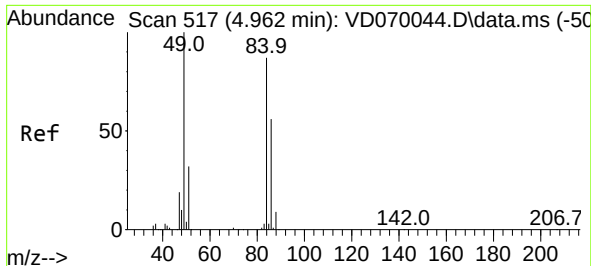


#16

Acetone
Concen: 4.951 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

Tgt Ion: 43 Resp: 5099
Ion Ratio Lower Upper
43 100
58 20.1 26.8 40.2#

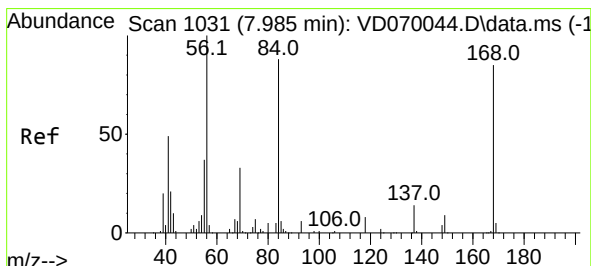
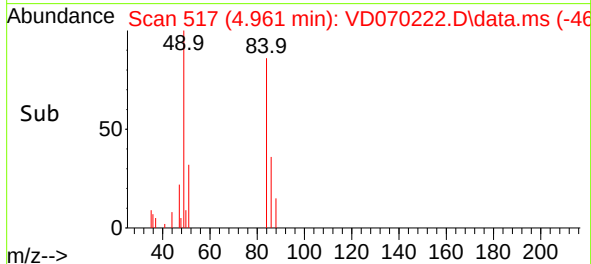
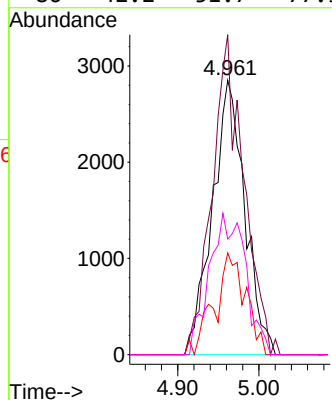
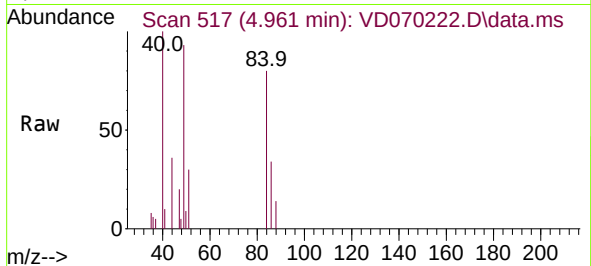




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

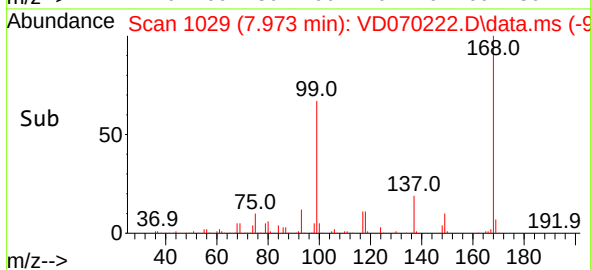
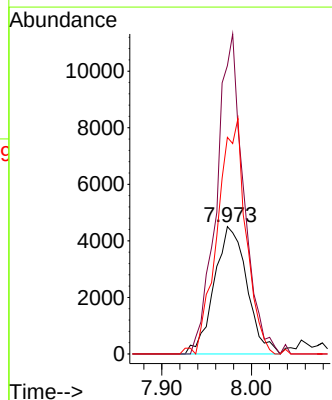
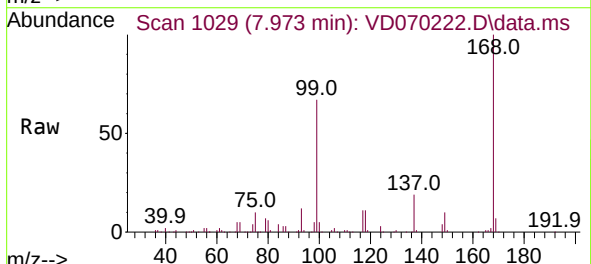
Instrument :
MSVOA_D
ClientSampleId :
SWCS-25-0204

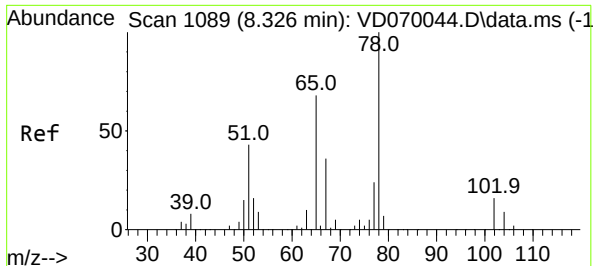
Tgt Ion:	84	Resp:	7938
Ion	Ratio	Lower	Upper
84	100		
49	116.6	92.5	138.7
51	37.1	29.7	44.5
86	42.2	51.7	77.5#



#31
Cyclohexane
Concen: 1.030 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

Tgt Ion:	56	Resp:	11395
Ion	Ratio	Lower	Upper
56	100		
69	226.4	26.7	40.1#
84	170.1	70.4	105.6#

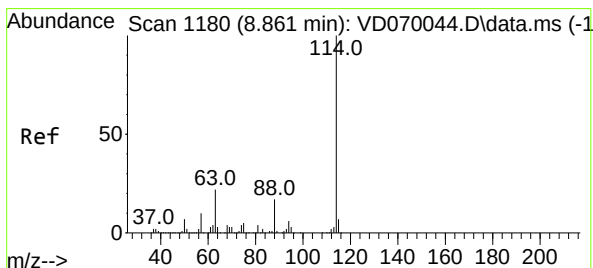
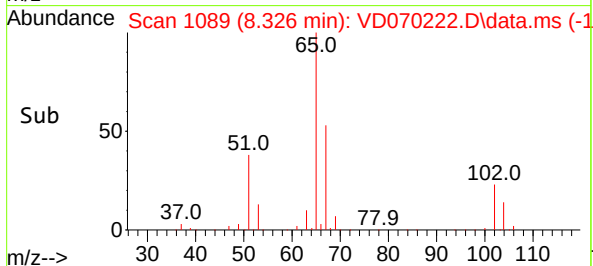
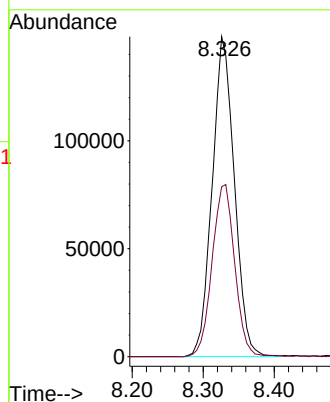
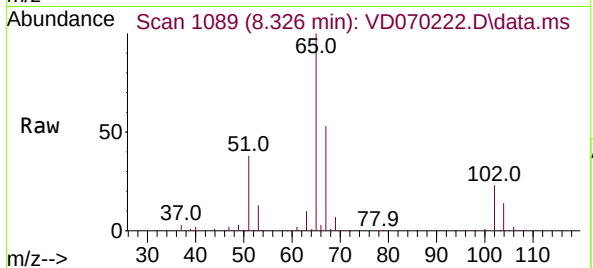




#33
1,2-Dichloroethane-d4
Concen: 57.538 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

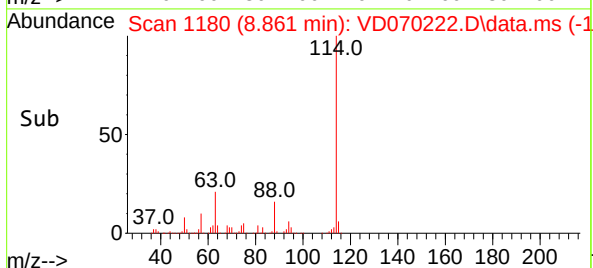
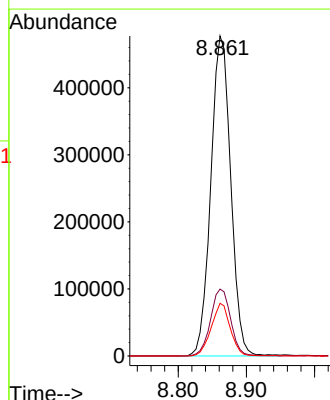
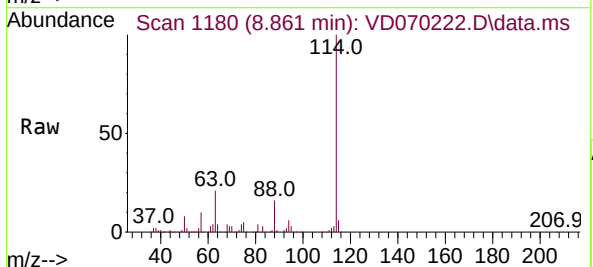
Instrument :
MSVOA_D
ClientSampleId :
SWCS-25-0204

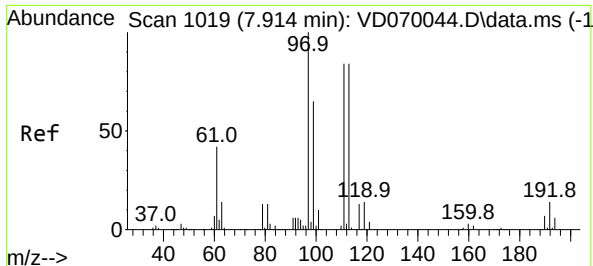
Tgt Ion: 65 Resp: 321698
Ion Ratio Lower Upper
65 100
67 54.8 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

Tgt Ion: 114 Resp: 971718
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.6
88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.260 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070222.D

Acq: 23 Aug 2021 15:24

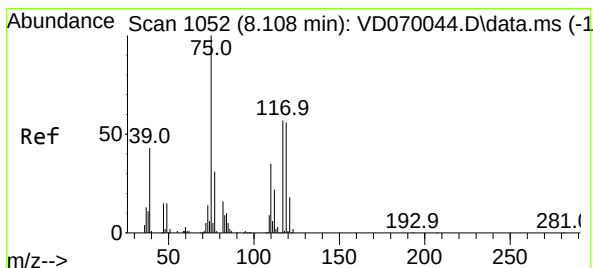
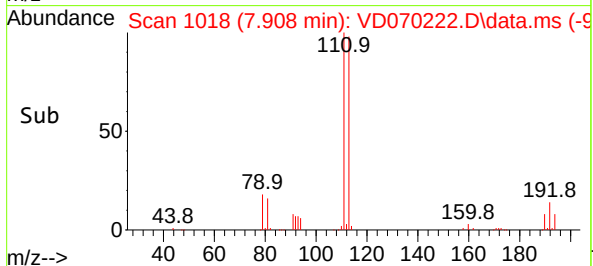
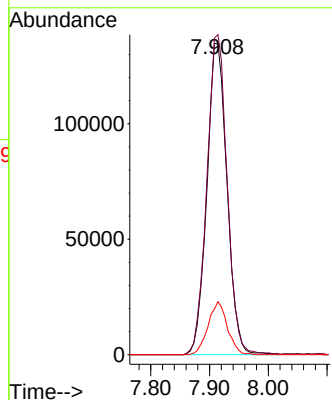
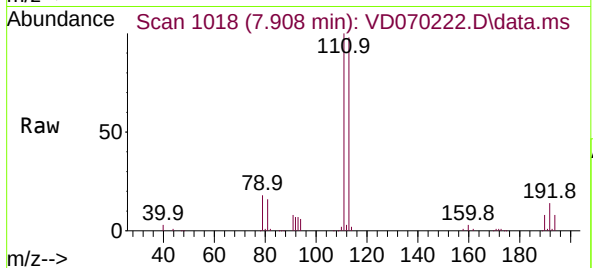
Tgt Ion:113 Resp: 321804

Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.6

192 16.3 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.395 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070222.D

Acq: 23 Aug 2021 15:24

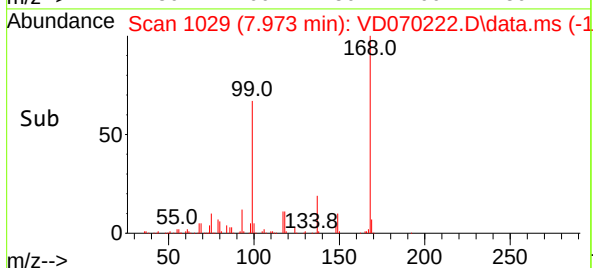
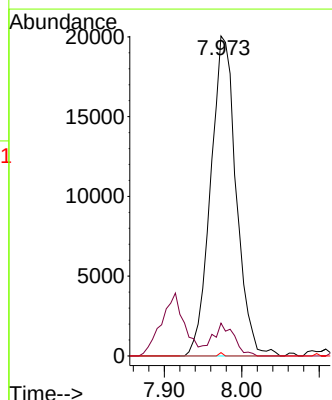
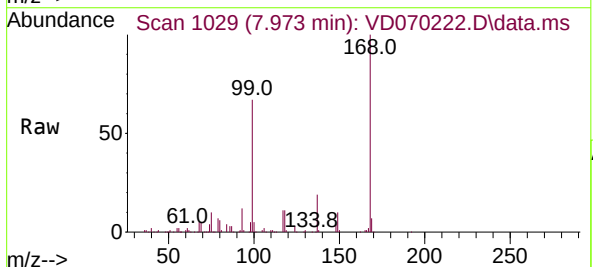
Tgt Ion: 75 Resp: 45945

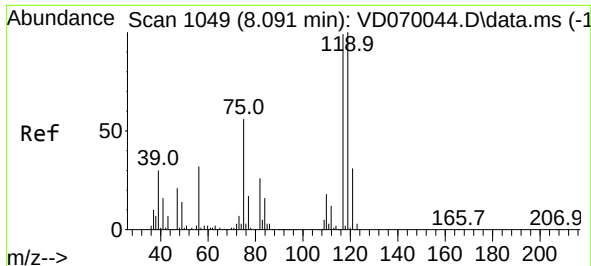
Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.7#

77 0.2 25.2 37.8#

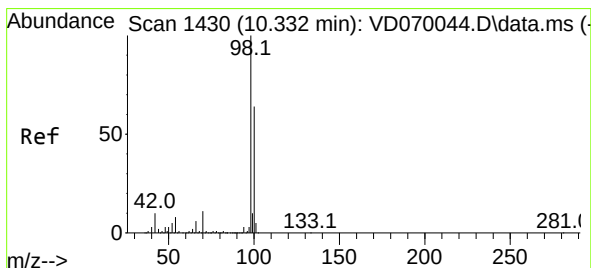
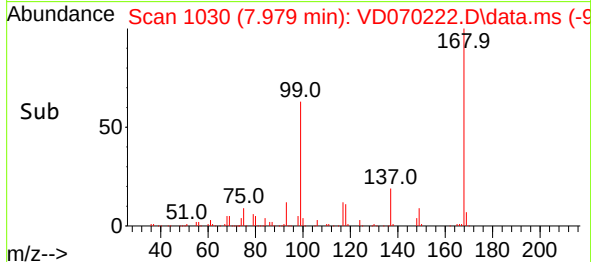
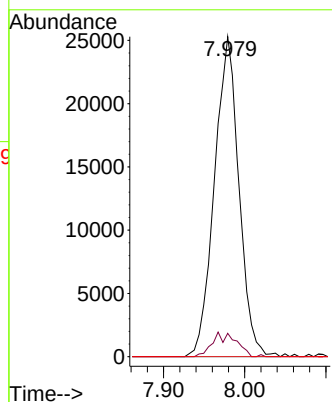
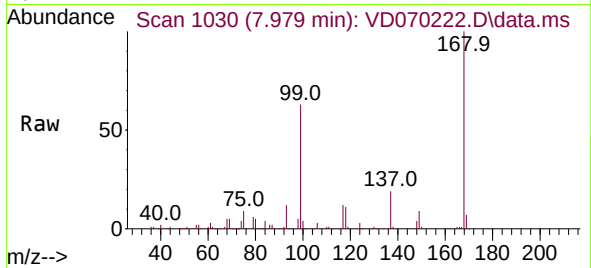




#38
Carbon Tetrachloride
Concen: 5.592 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

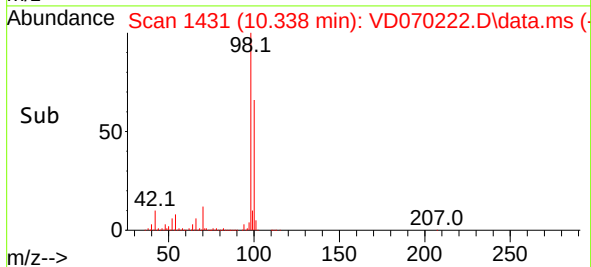
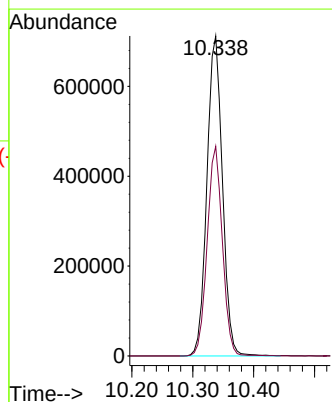
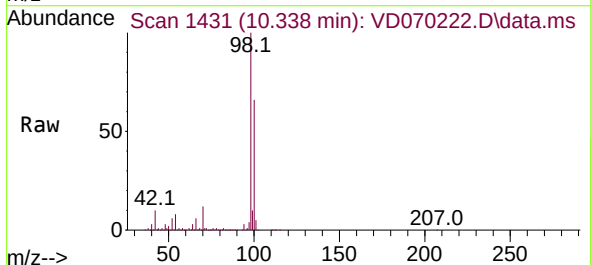
Instrument :
MSVOA_D
ClientSampleId :
SWCS-25-0204

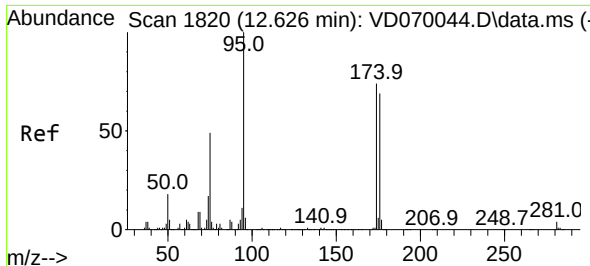
Tgt Ion:117 Resp: 53068
Ion Ratio Lower Upper
117 100
119 7.3 81.0 121.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 51.605 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

Tgt Ion: 98 Resp: 1260069
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8

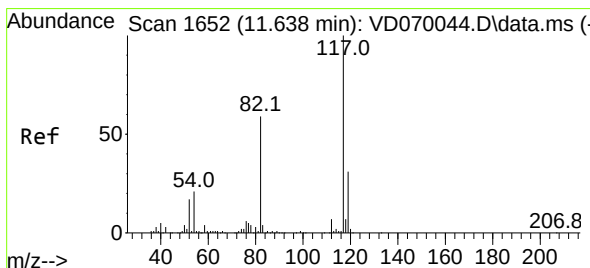
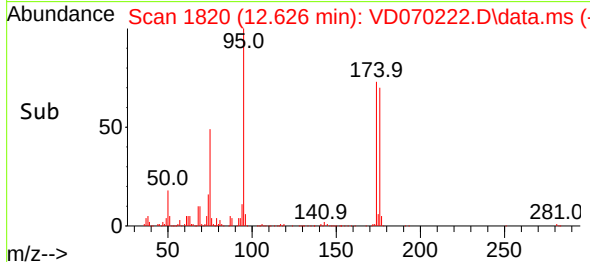
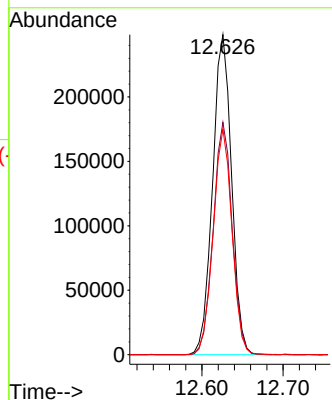
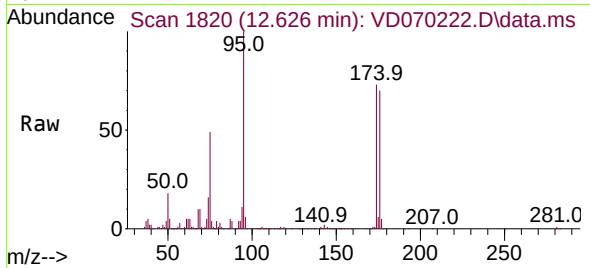




#62
4-Bromofluorobenzene
Concen: 50.079 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

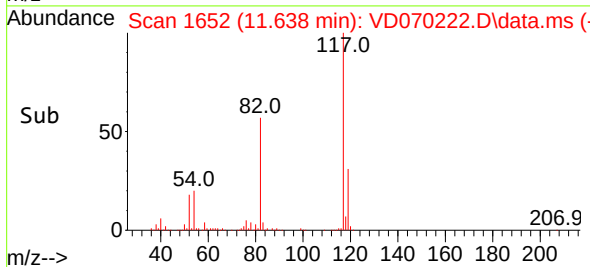
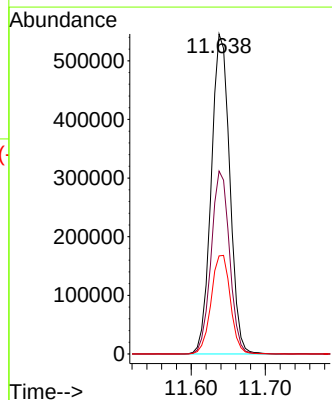
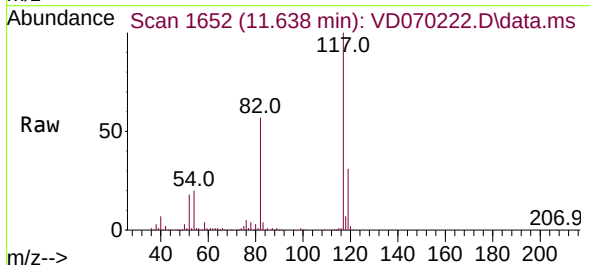
Instrument :
MSVOA_D
ClientSampleId :
SWCS-25-0204

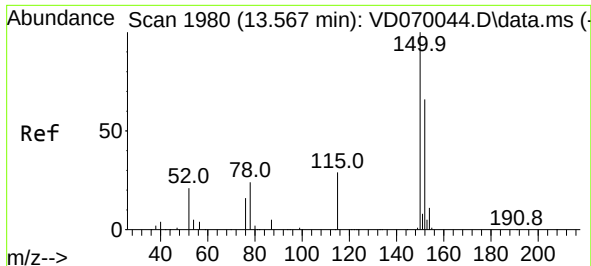
Tgt Ion: 95 Resp: 402759
Ion Ratio Lower Upper
95 100
174 72.7 0.0 141.6
176 69.9 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

Tgt Ion: 117 Resp: 944877
Ion Ratio Lower Upper
117 100
82 57.2 47.5 71.3
119 30.6 25.1 37.7

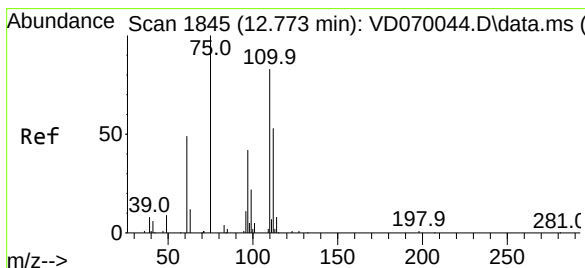
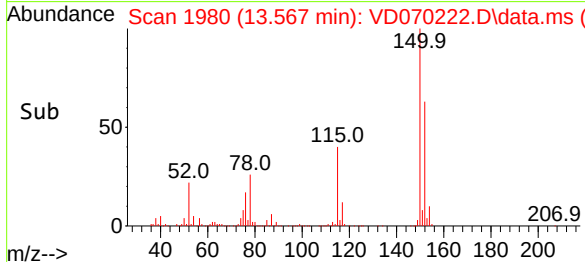
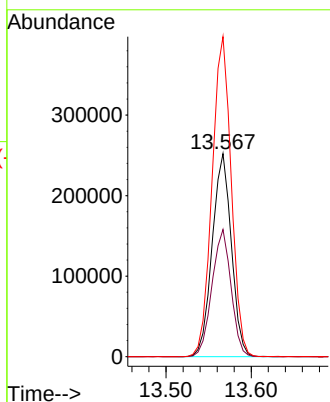
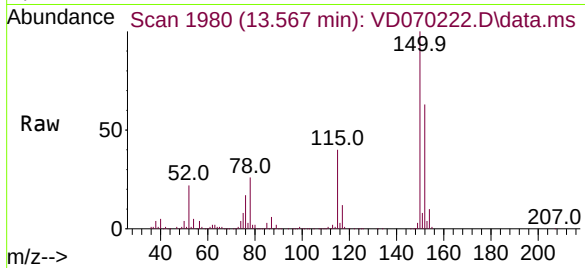




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

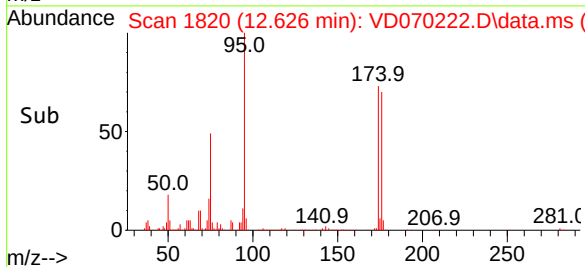
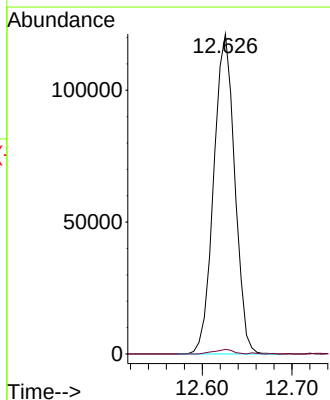
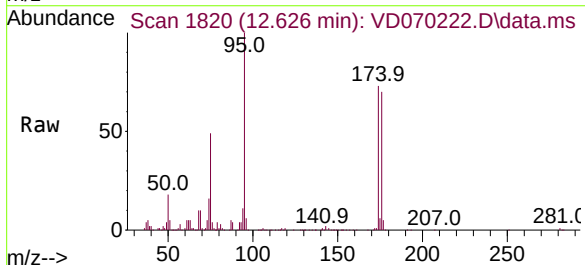
Instrument :
MSVOA_D
ClientSampleId :
SWCS-25-0204

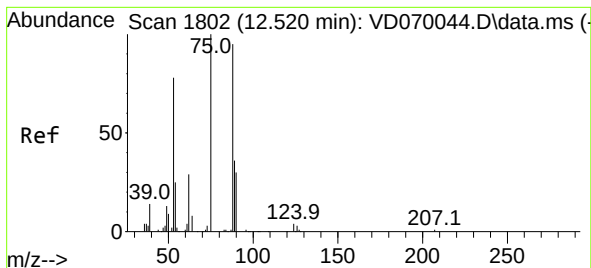
Tgt Ion:152 Resp: 393510
Ion Ratio Lower Upper
152 100
115 62.4 31.2 93.6
150 157.6 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 49.408 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070222.D
Acq: 23 Aug 2021 15:24

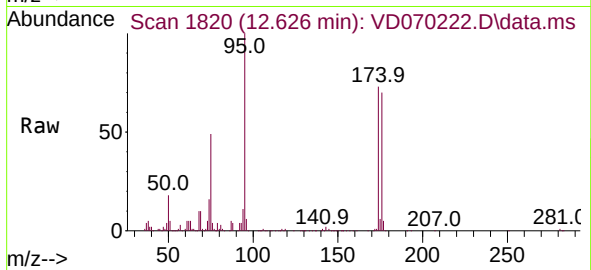
Tgt Ion: 75 Resp: 197173
Ion Ratio Lower Upper
75 100
77 1.3 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.244 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070222.D
 Acq: 23 Aug 2021 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 SWCS-25-0204



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	64.5	96.7#
89	0.0	33.7	50.5#

