

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081621\
 Data File : VD070065.D
 Acq On : 16 Aug 2021 14:25
 Operator : VA/SY
 Sample : M3368-16
 Misc : 4.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SWCS-05-0002

Quant Time: Aug 17 03:56:07 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	588389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1179787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1062317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	404335	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	388815	56.184	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.360%
35) Dibromofluoromethane	7.914	113	384539	50.450	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.900%
50) Toluene-d8	10.338	98	1476826	49.815	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.640%
62) 4-Bromofluorobenzene	12.626	95	441392	45.203	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.400%

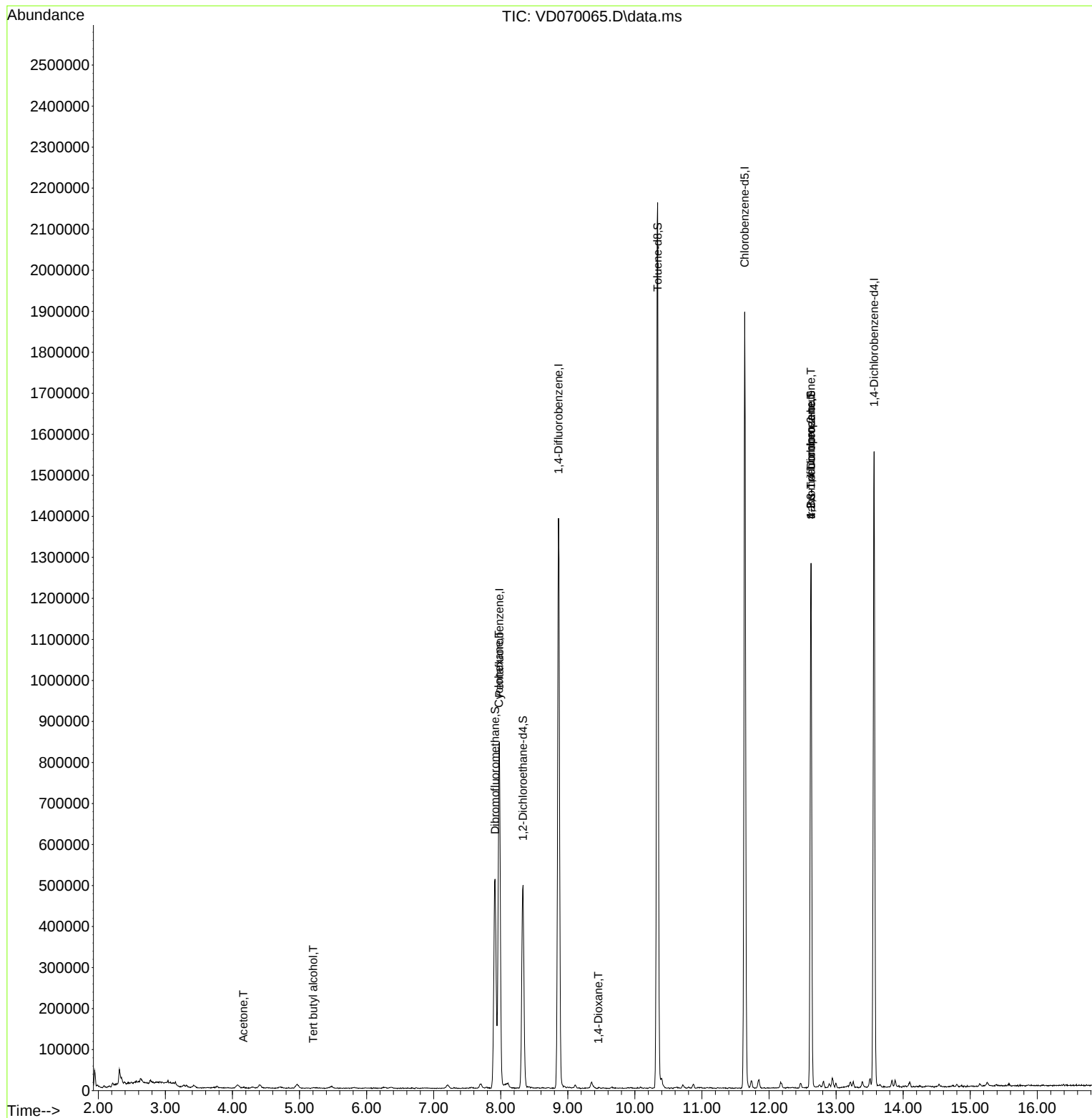
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.985	85	3181	Below Cal	90
3) Chloromethane	2.209	50	5243	Below Cal	# 84
5) Bromomethane	2.773	94	5182	Below Cal	# 55
11) Tert butyl alcohol	5.203	59	725	1.895 ug/l	# 71
16) Acetone	4.162	43	3237	2.539 ug/l	# 52
20) Methylene Chloride	4.967	84	7710	Below Cal	# 82
31) Cyclohexane	7.973	56	17496	1.277 ug/l	# 23
49) 1,4-Dioxane	9.455	88	81	1.603 ug/l	# 23
76) 1,2,3-Trichloropropane	12.626	75	215519	52.559 ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	215519	136.424 ug/l	# 18

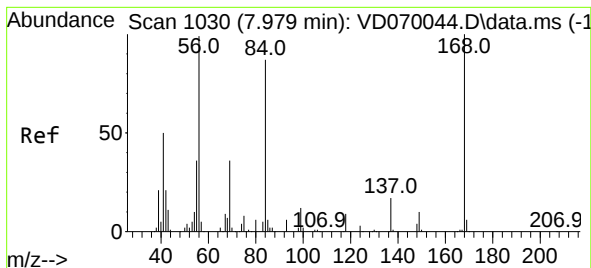
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070065.D

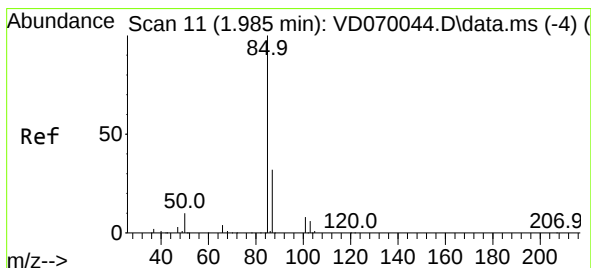
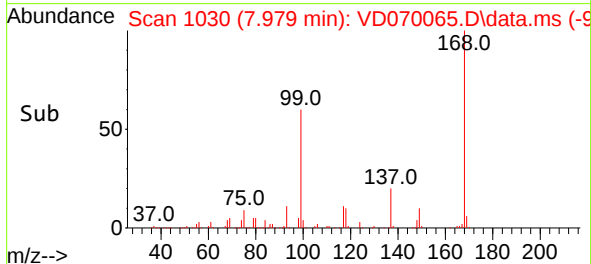
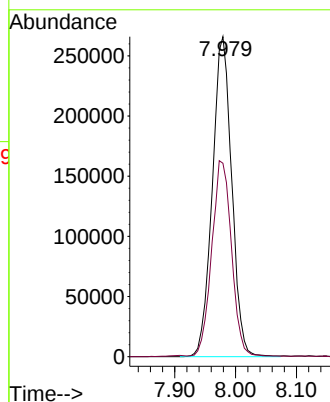
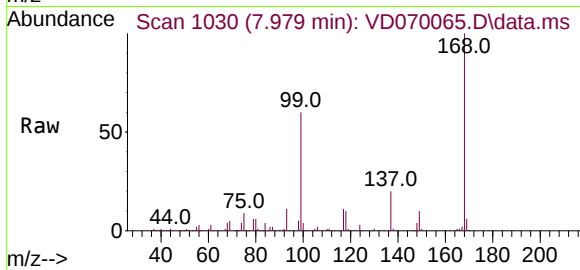
Acq: 16 Aug 2021 14:25

Tgt Ion:168 Resp: 588389

Ion Ratio Lower Upper

168 100

99 60.3 50.3 75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.985 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD070065.D

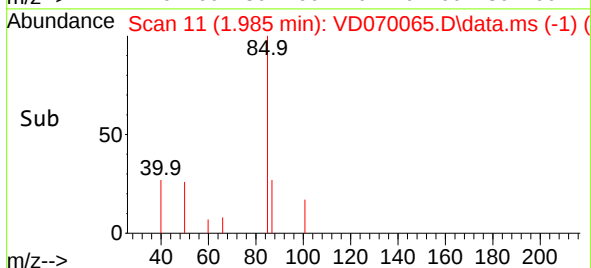
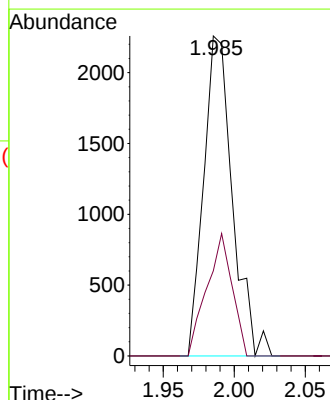
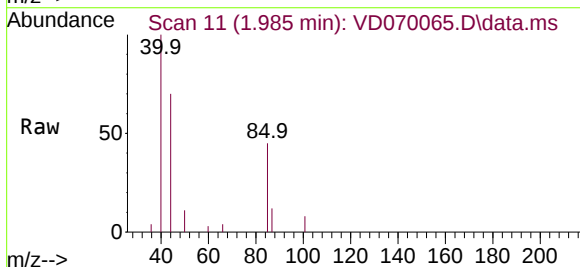
Acq: 16 Aug 2021 14:25

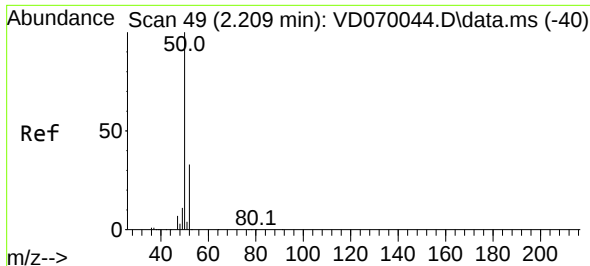
Tgt Ion: 85 Resp: 3181

Ion Ratio Lower Upper

85 100

87 26.6 16.2 48.6

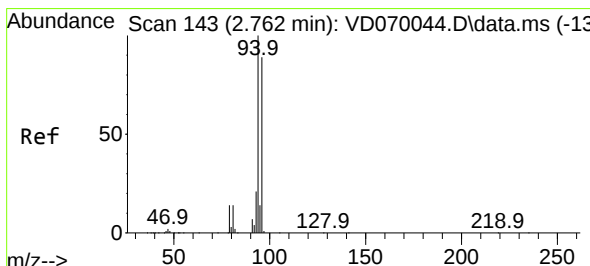
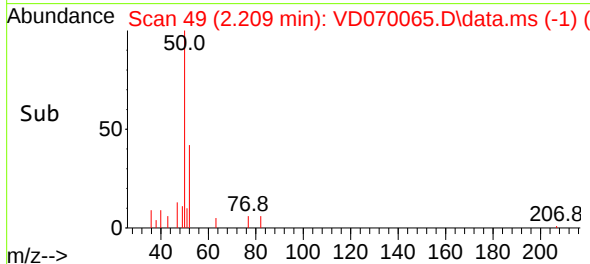
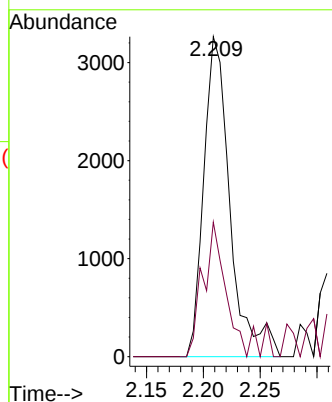
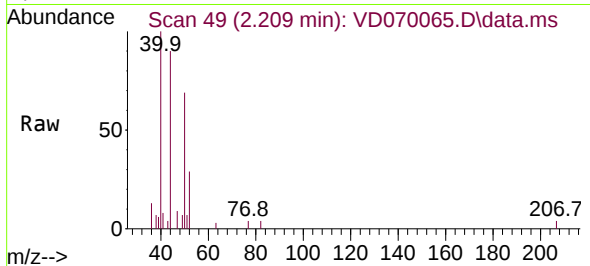




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

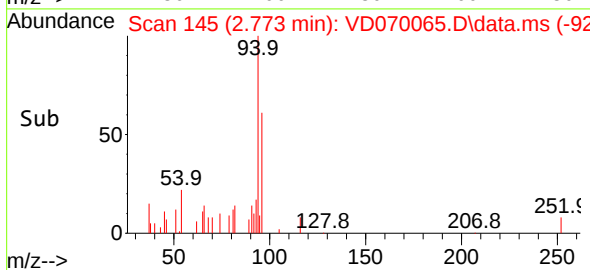
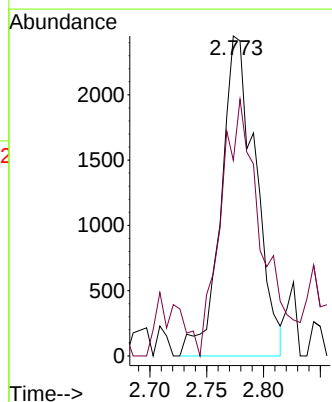
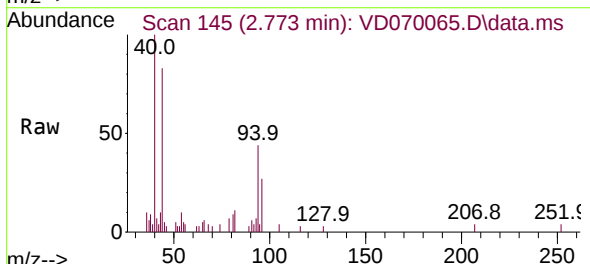
Instrument :
MSVOA_D
ClientSampleId :
SWCS-05-0002

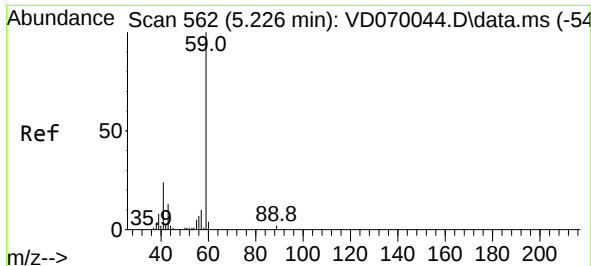
Tgt Ion: 50 Resp: 5243
Ion Ratio Lower Upper
50 100
52 42.1 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

Tgt Ion: 94 Resp: 5182
Ion Ratio Lower Upper
94 100
96 46.5 70.9 106.3#



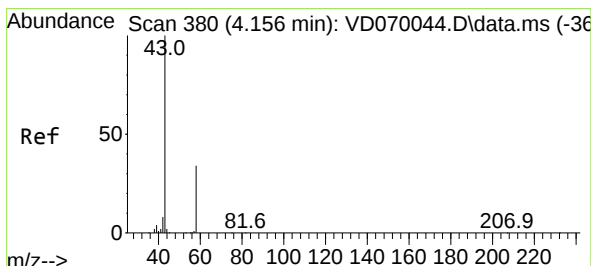
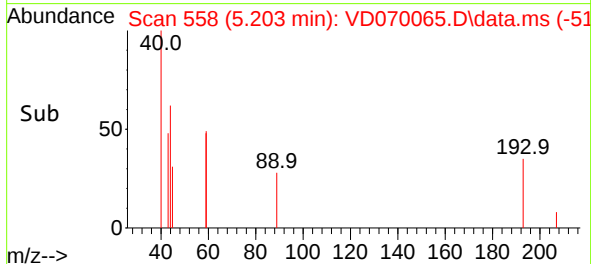
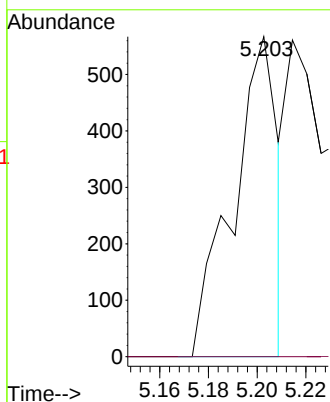
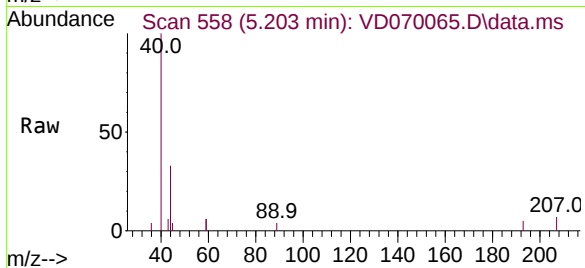


#11

Tert butyl alcohol
Concen: 1.895 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.024 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

Instrument :
MSVOA_D
ClientSampleId :
SWCS-05-0002

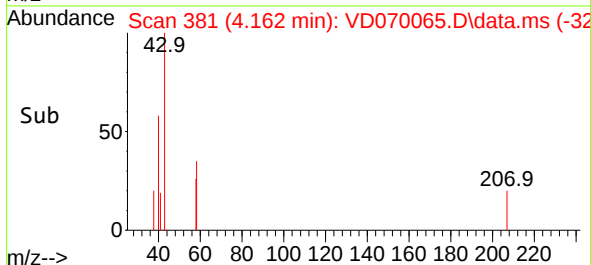
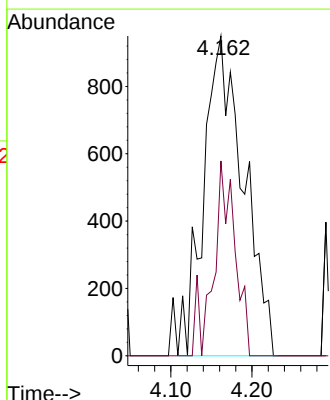
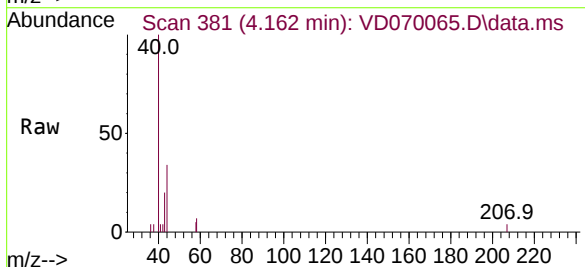
Tgt Ion: 59 Resp: 725
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

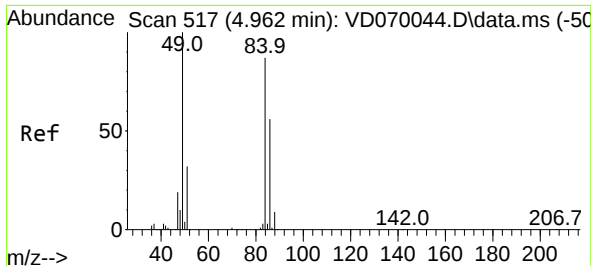


#16

Acetone
Concen: 2.539 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

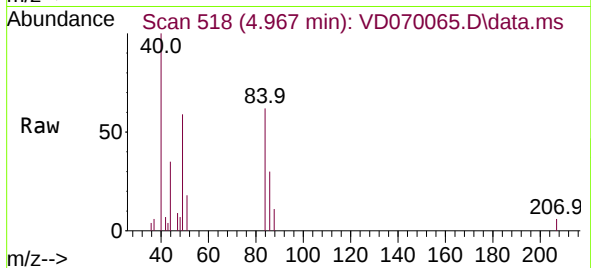
Tgt Ion: 43 Resp: 3237
Ion Ratio Lower Upper
43 100
58 60.9 26.8 40.2#



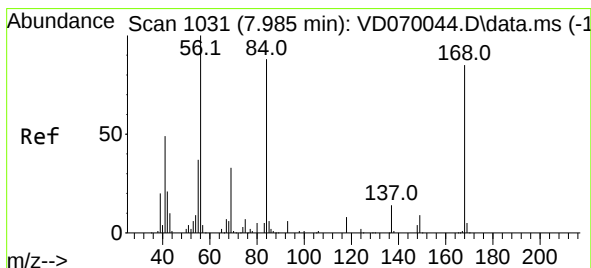
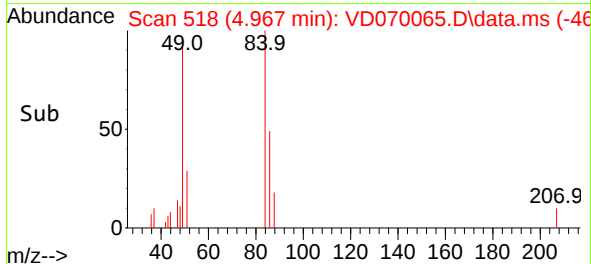
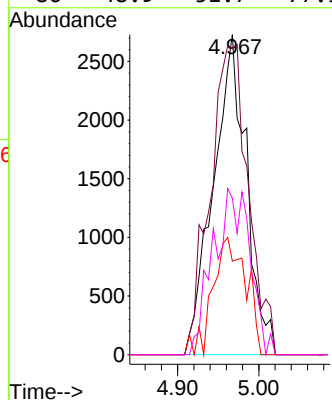


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

Instrument :
MSVOA_D
ClientSampleId :
SWCS-05-0002

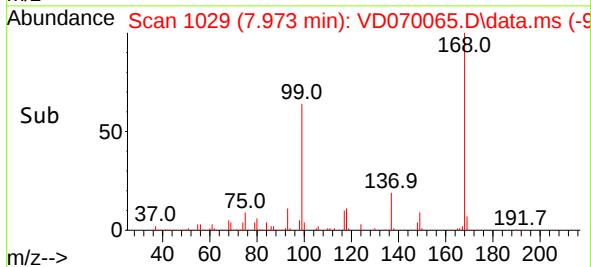
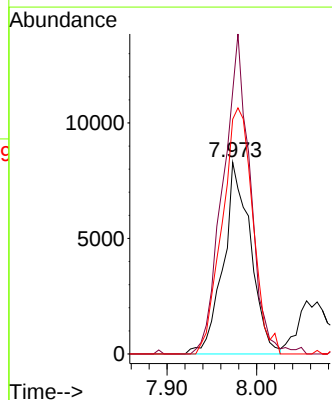
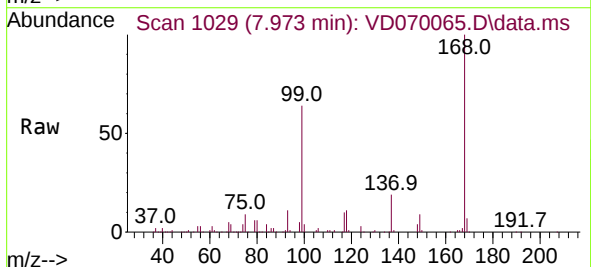


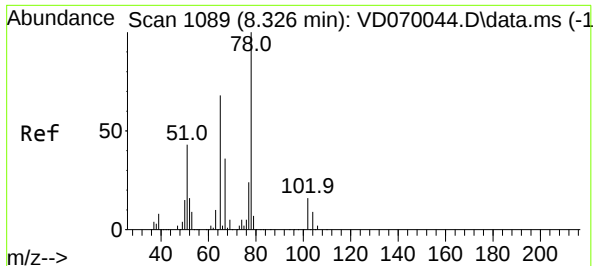
Tgt Ion:	84	Resp:	7710
Ion	Ratio	Lower	Upper
84	100		
49	95.6	92.5	138.7
51	29.3	29.7	44.5#
86	48.9	51.7	77.5#



#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

Tgt Ion:	56	Resp:	17496
Ion	Ratio	Lower	Upper
56	100		
69	136.8	26.7	40.1#
84	122.5	70.4	105.6#



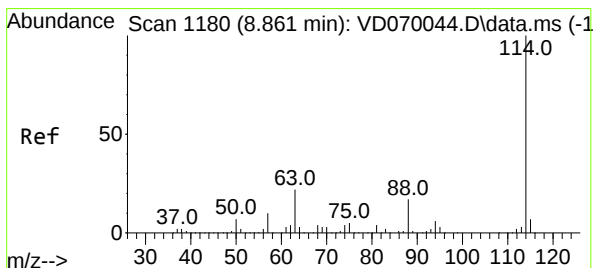
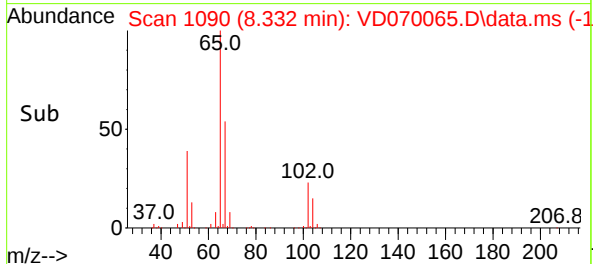
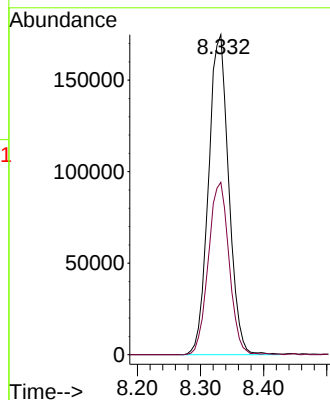
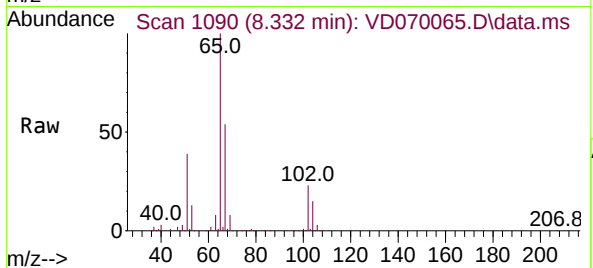


#33

1,2-Dichloroethane-d4
Concen: 56.184 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

Instrument :
MSVOA_D
ClientSampleId :
SWCS-05-0002

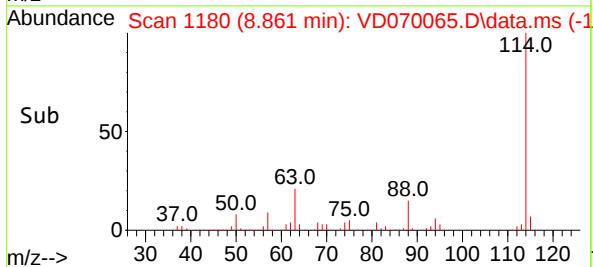
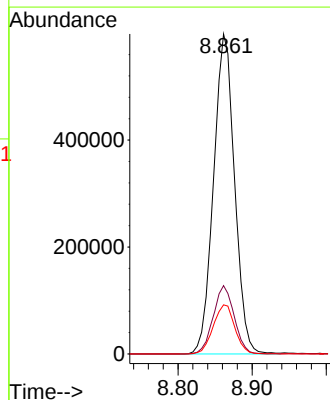
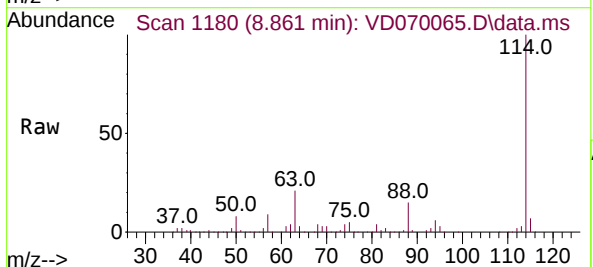
Tgt Ion: 65 Resp: 388815
Ion Ratio Lower Upper
65 100
67 55.2 0.0 107.8

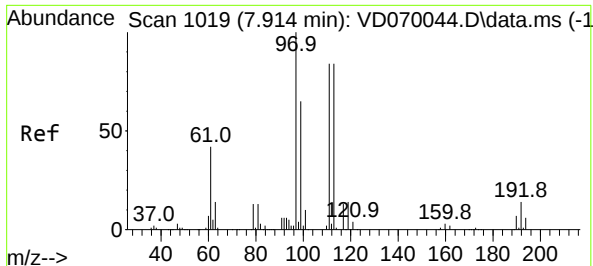


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

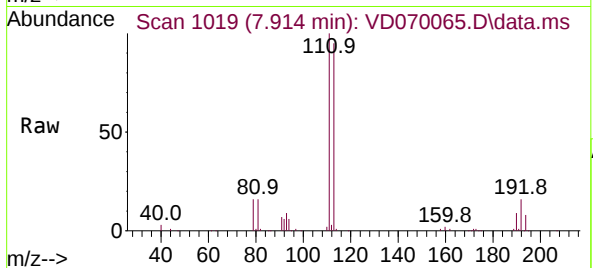
Tgt Ion: 114 Resp: 1179787
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.6
88 15.3 0.0 33.4



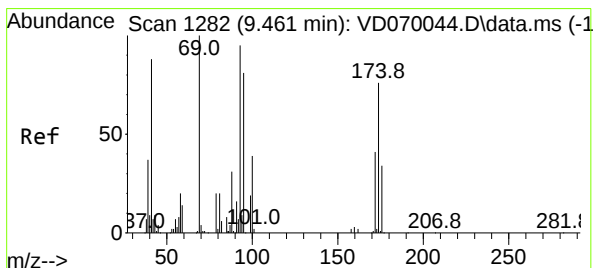
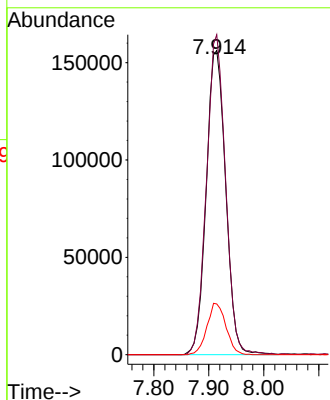
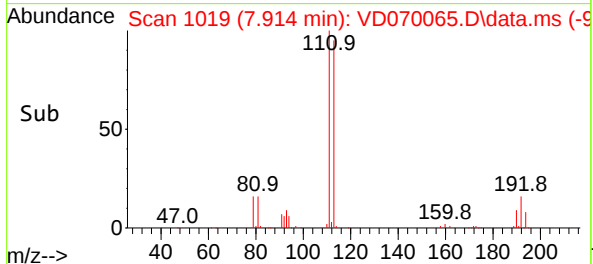


#35
Dibromofluoromethane
Concen: 50.450 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

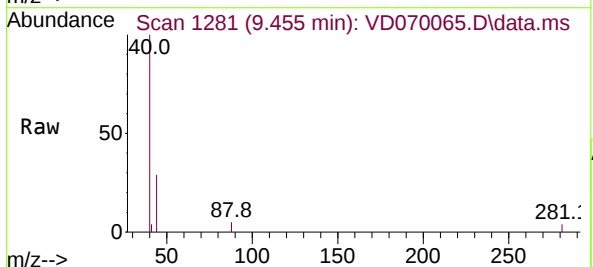
Instrument :
MSVOA_D
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SWCS-05-0002



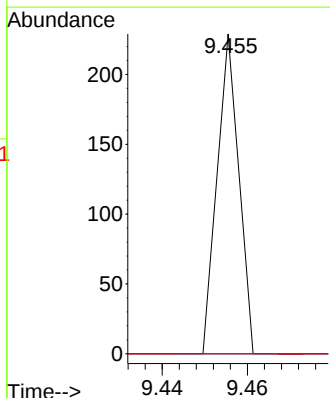
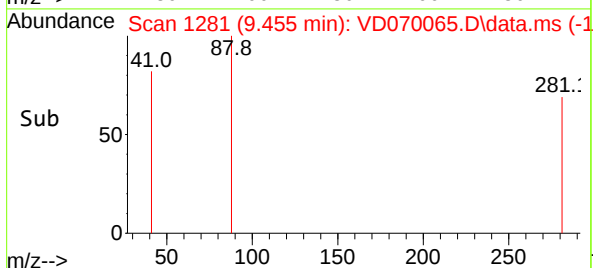
Tgt Ion:113 Resp: 384539
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 16.5 13.2 19.8

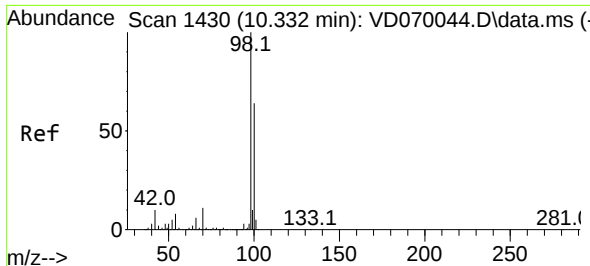


#49
1,4-Dioxane
Concen: 1.603 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. -0.006 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25



Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 0.0 57.4 86.2#

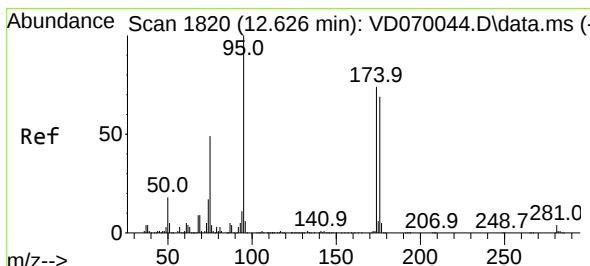
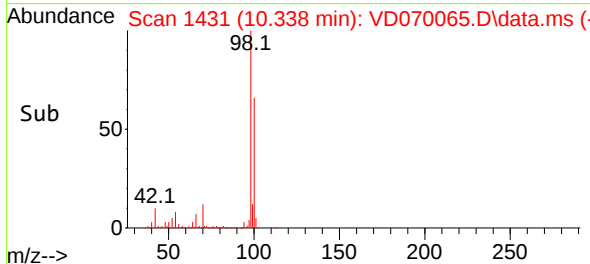
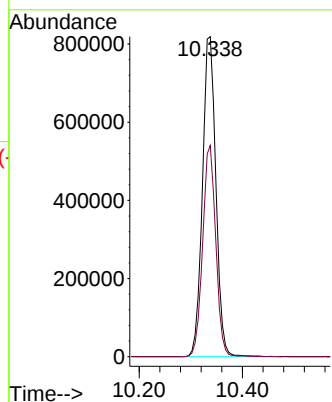
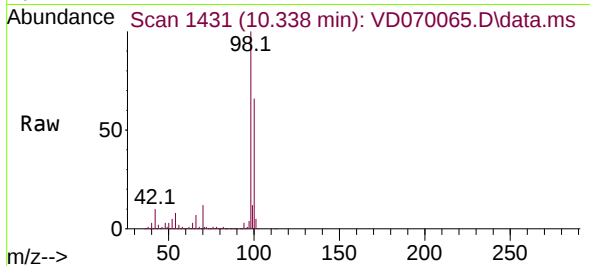




#50
Toluene-d8
Concen: 49.815 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

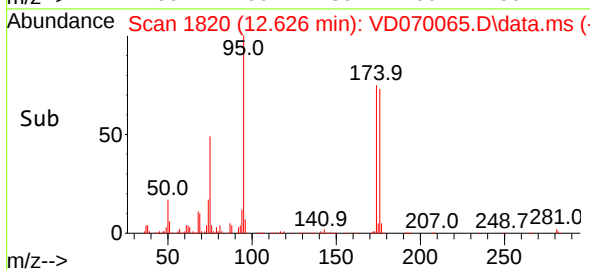
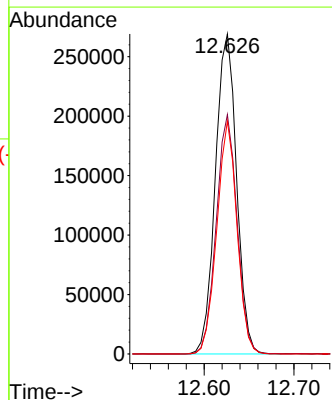
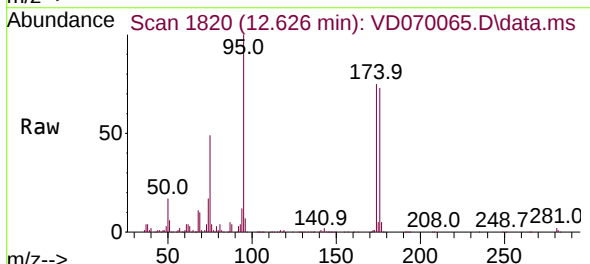
Instrument :
MSVOA_D
ClientSampleId :
SWCS-05-0002

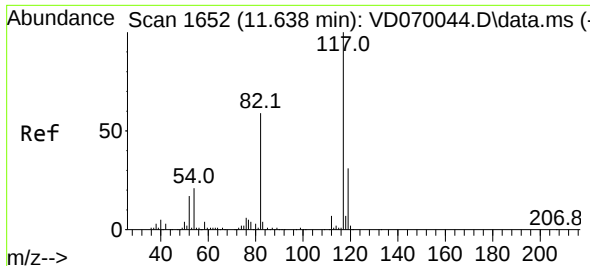
Tgt Ion: 98 Resp: 1476826
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 45.203 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

Tgt Ion: 95 Resp: 441392
Ion Ratio Lower Upper
95 100
174 73.5 0.0 141.6
176 69.2 0.0 138.2

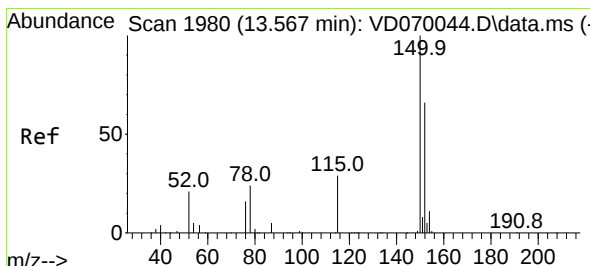
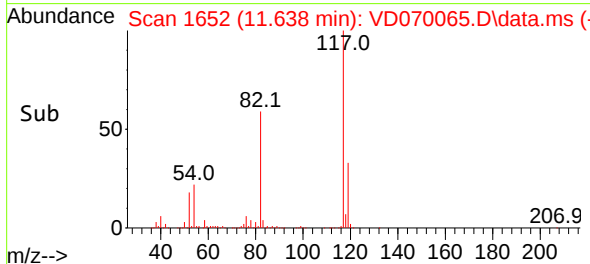
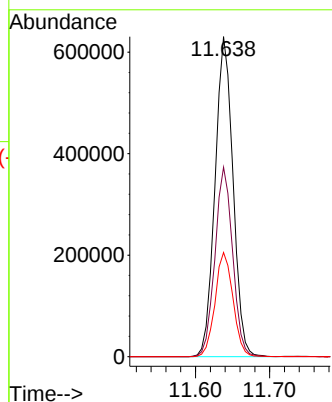
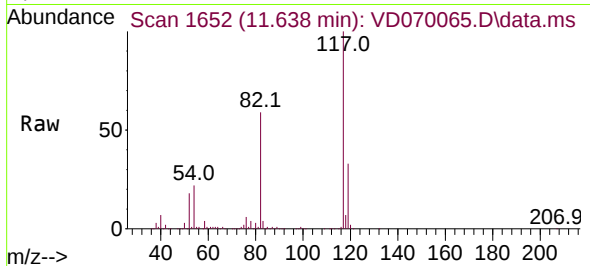




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

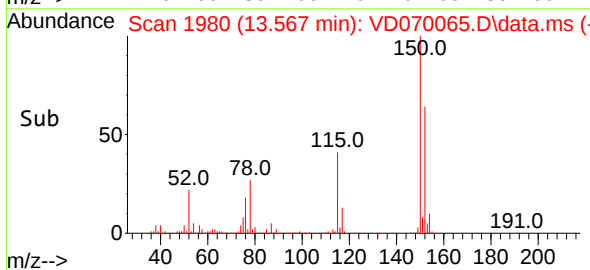
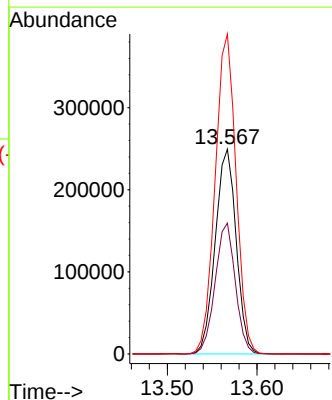
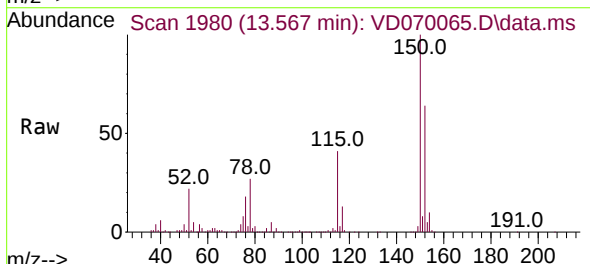
Instrument :
MSVOA_D
ClientSampleId :
SWCS-05-0002

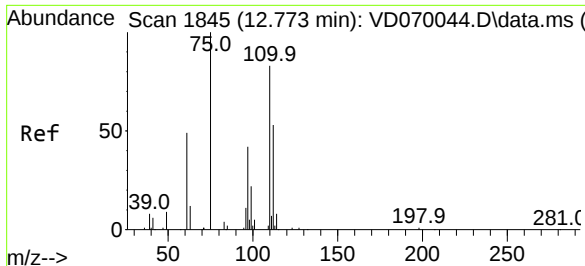
Tgt Ion:117 Resp: 1062317
Ion Ratio Lower Upper
117 100
82 59.2 47.5 71.3
119 32.6 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

Tgt Ion:152 Resp: 404335
Ion Ratio Lower Upper
152 100
115 61.9 31.2 93.6
150 155.8 0.0 352.0

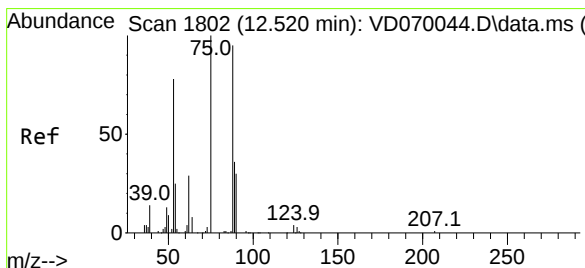
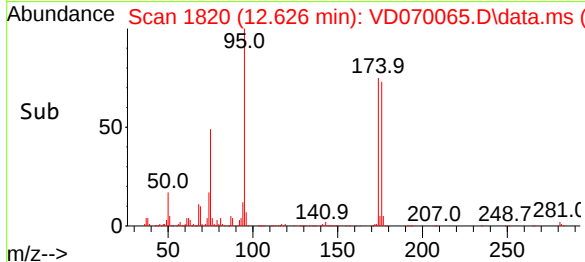
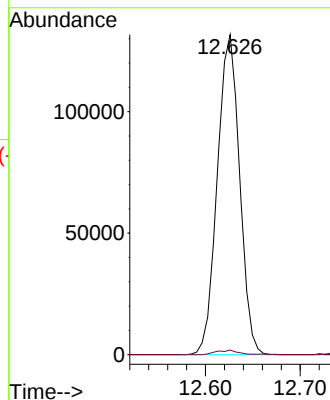
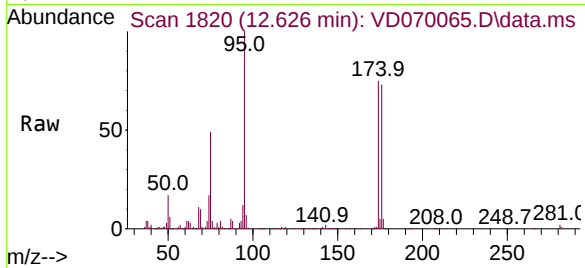




#76
1,2,3-Trichloropropane
Concen: 52.559 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

Instrument :
MSVOA_D
ClientSampleId :
SWCS-05-0002

Tgt Ion: 75 Resp: 215519
Ion Ratio Lower Upper
75 100
77 1.5 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.424 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070065.D
Acq: 16 Aug 2021 14:25

Tgt Ion: 75 Resp: 215519
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.0 33.7 50.5#

