

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070158.D
 Acq On : 19 Aug 2021 10:34
 Operator : VA/SY
 Sample : VD0819SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 20 05:46:03 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	599169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1153153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1108433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	477892	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	368590	52.303	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.600%
35) Dibromofluoromethane	7.909	113	372912	50.055	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.100%
50) Toluene-d8	10.338	98	1484871	51.243	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.480%
62) 4-Bromofluorobenzene	12.626	95	481942	50.496	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.000%

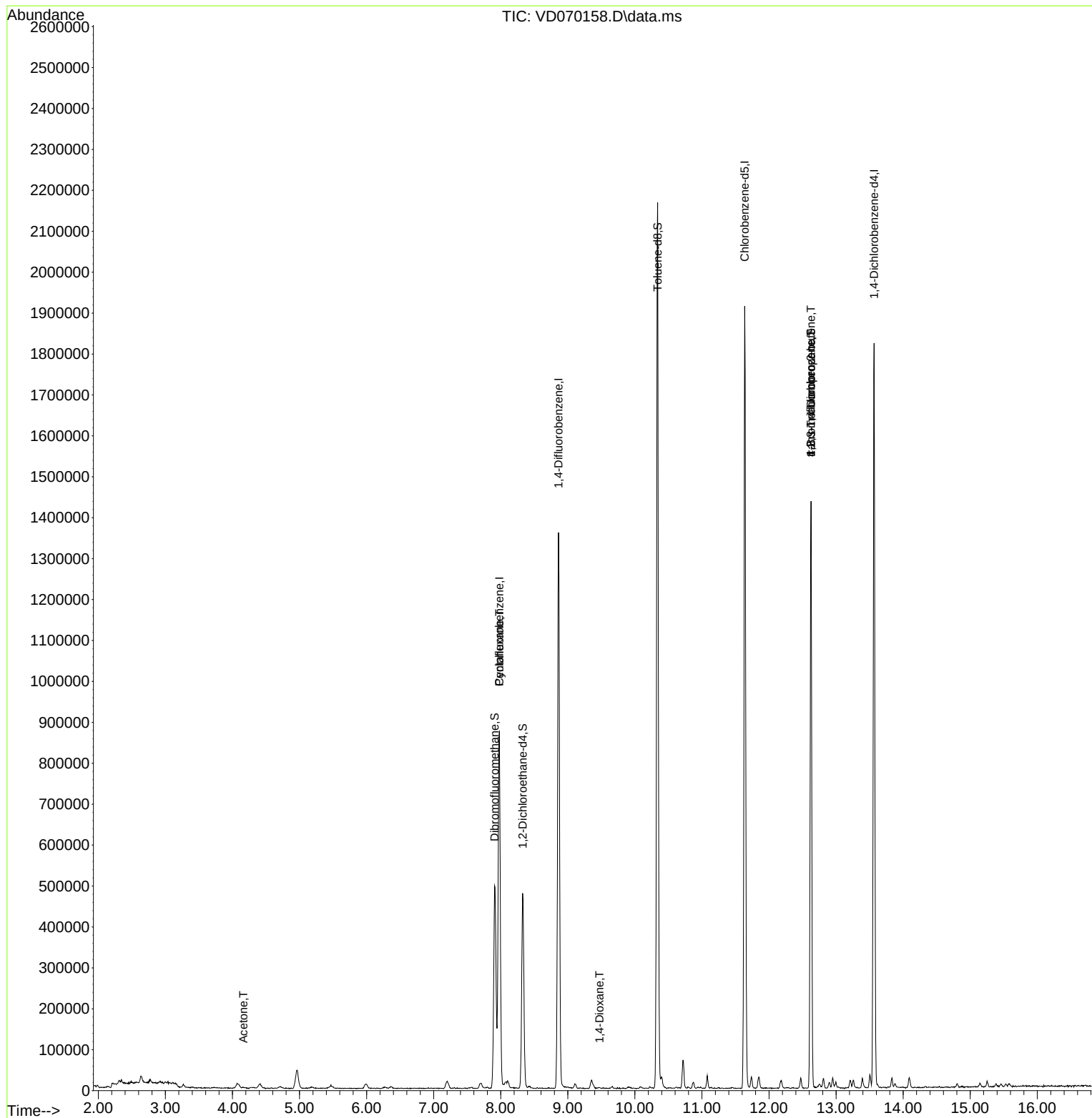
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.985	85	4231	Below Cal	81
3) Chloromethane	2.209	50	5717	Below Cal	# 85
5) Bromomethane	2.779	94	5925	Below Cal	# 79
16) Acetone	4.162	43	2469	1.902 ug/l	# 78
20) Methylene Chloride	4.968	84	34925	Below Cal	95
31) Cyclohexane	7.979	56	21352	1.531 ug/l	# 1
49) 1,4-Dioxane	9.473	88	64	1.295 ug/l	# 43
76) 1,2,3-Trichloropropane	12.626	75	233641	48.208 ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	233641	125.131 ug/l	# 18

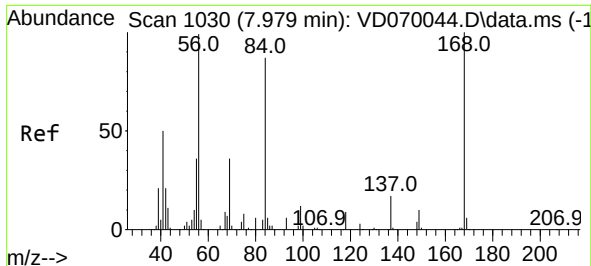
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration

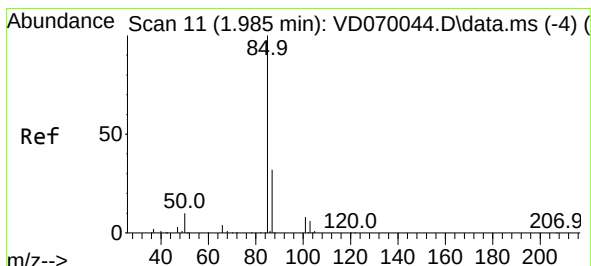
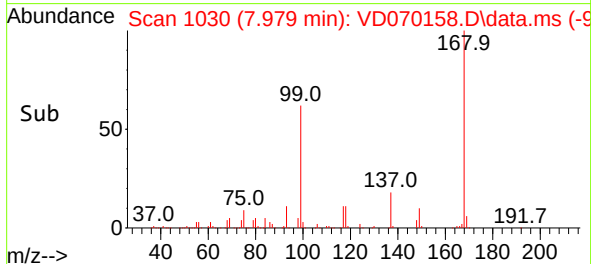
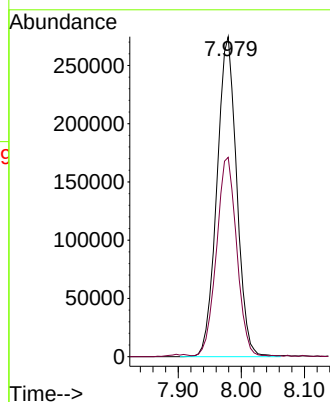
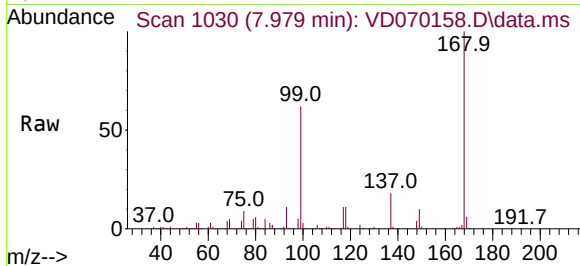




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070158.D
Acq: 19 Aug 2021 10:34

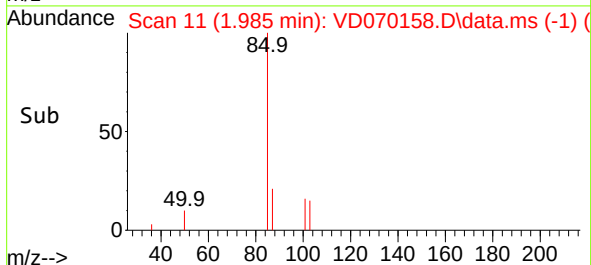
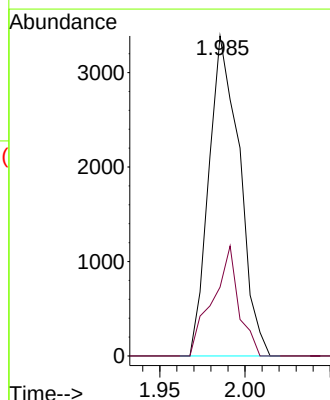
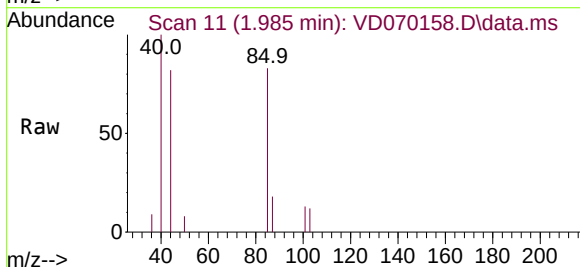
Instrument :
MSVOA_D
ClientSampled :

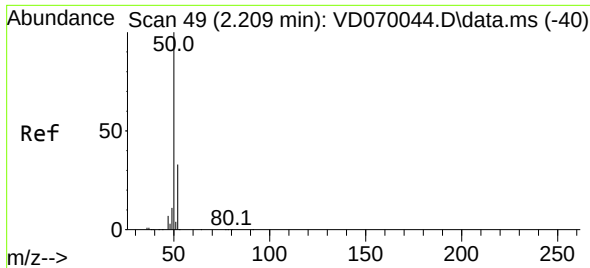
Tgt Ion:168 Resp: 599169
Ion Ratio Lower Upper
168 100
99 62.0 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070158.D
Acq: 19 Aug 2021 10:34

Tgt Ion: 85 Resp: 4231
Ion Ratio Lower Upper
85 100
87 21.5 16.2 48.6

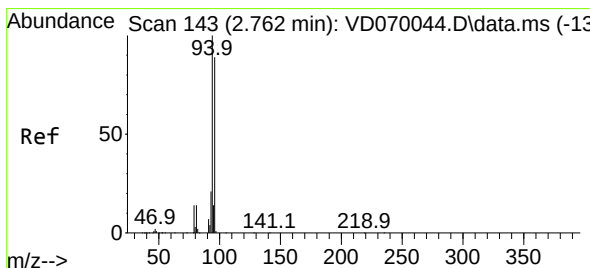
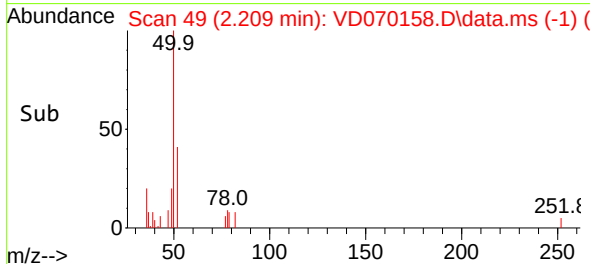
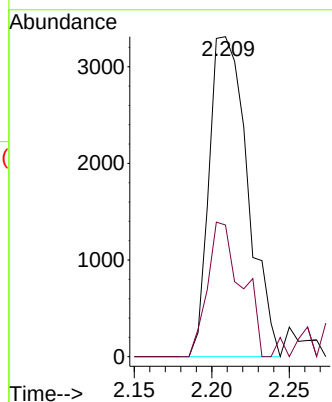
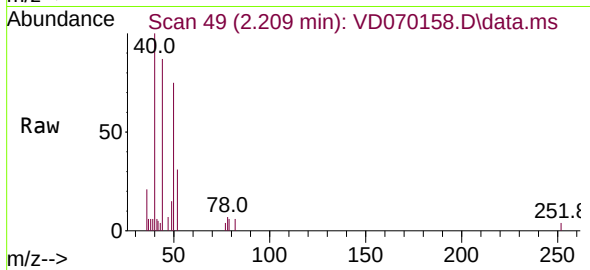




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070158.D
Acq: 19 Aug 2021 10:34

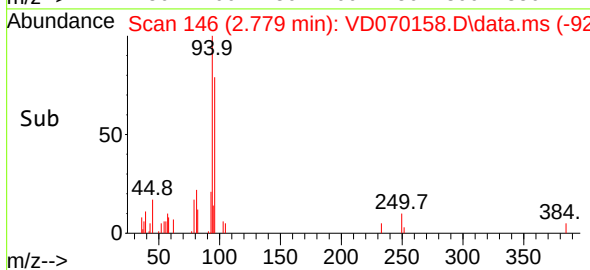
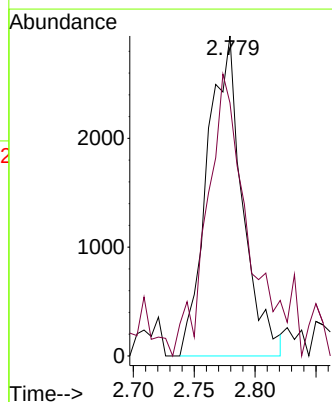
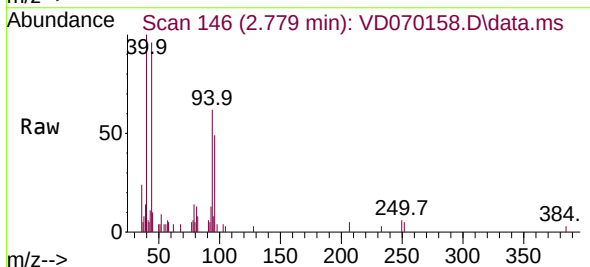
Instrument :
MSVOA_D
ClientSampled :

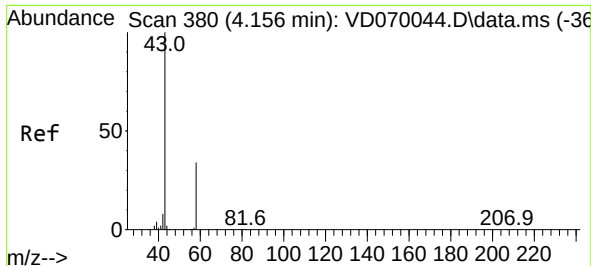
Tgt Ion: 50 Resp: 5717
Ion Ratio Lower Upper
50 100
52 41.1 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070158.D
Acq: 19 Aug 2021 10:34

Tgt Ion: 94 Resp: 5925
Ion Ratio Lower Upper
94 100
96 69.1 70.9 106.3#

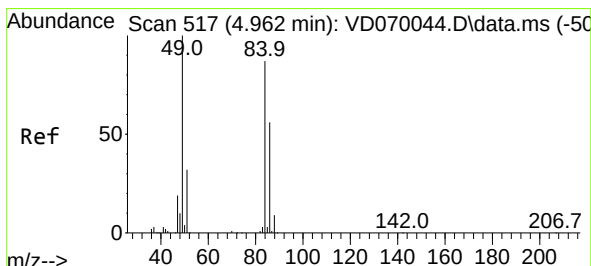
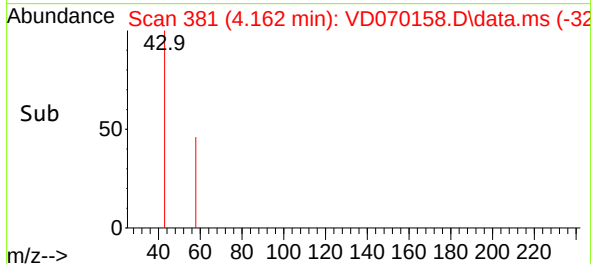
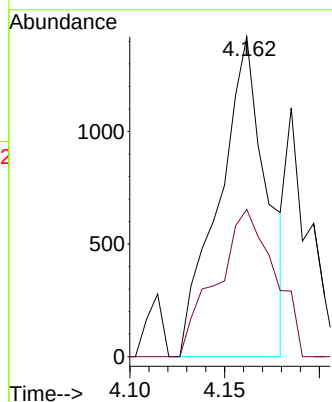
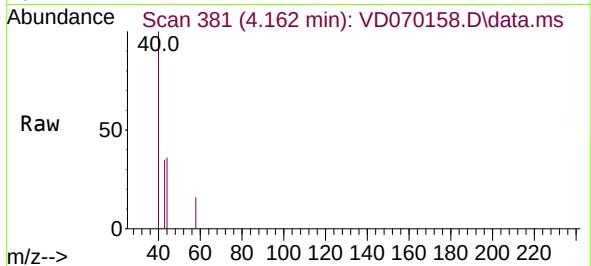




#16
Acetone
Concen: 1.902 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070158.D
Acq: 19 Aug 2021 10:34

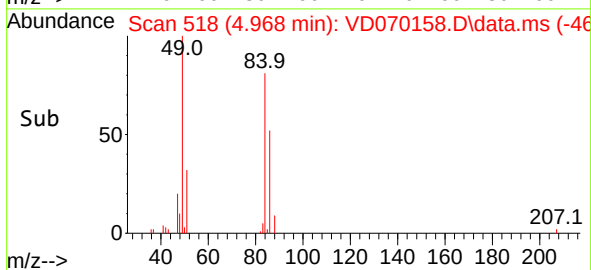
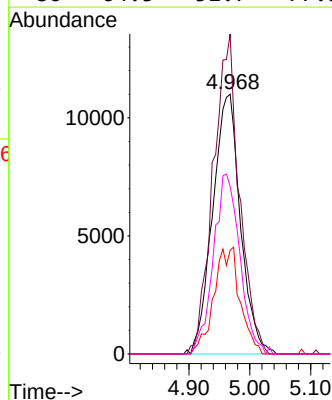
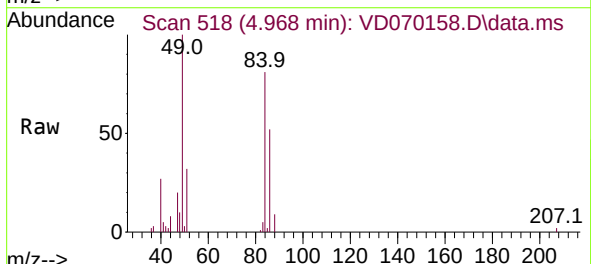
Instrument :
MSVOA_D
ClientSampleId :

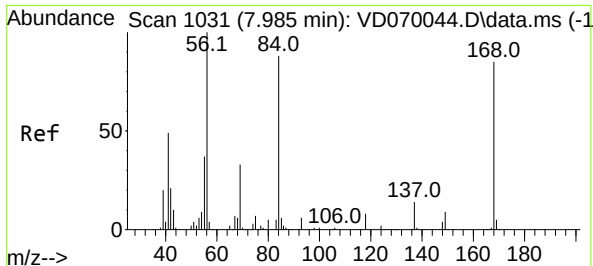
Tgt Ion: 43 Resp: 2469
Ion Ratio Lower Upper
43 100
58 46.0 26.8 40.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070158.D
Acq: 19 Aug 2021 10:34

Tgt Ion: 84 Resp: 34925
Ion Ratio Lower Upper
84 100
49 123.2 92.5 138.7
51 39.9 29.7 44.5
86 64.5 51.7 77.5

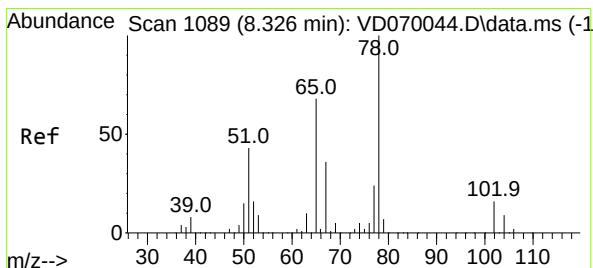
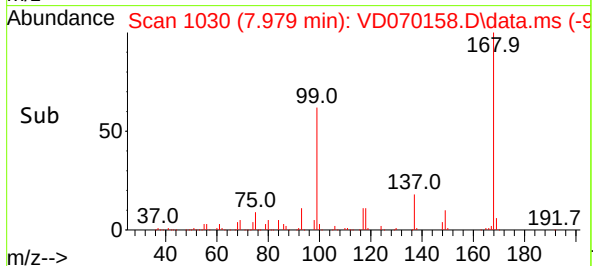
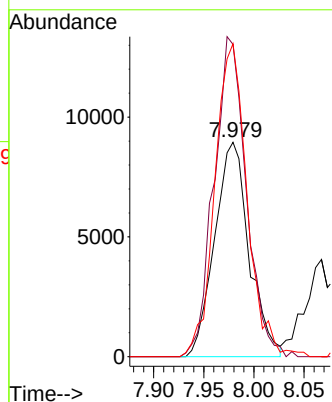
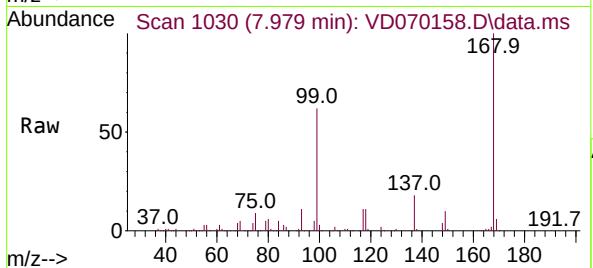




#31
Cyclohexane
Concen: 1.531 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070158.D
Acq: 19 Aug 2021 10:34

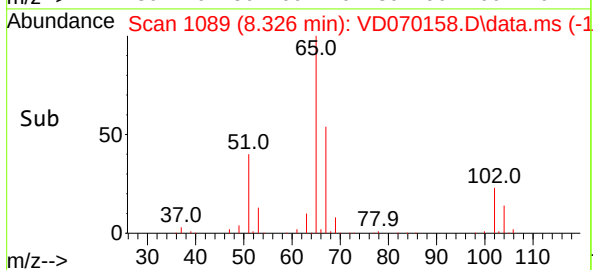
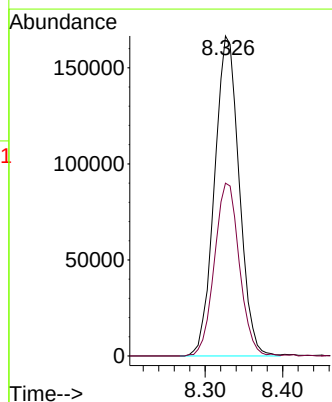
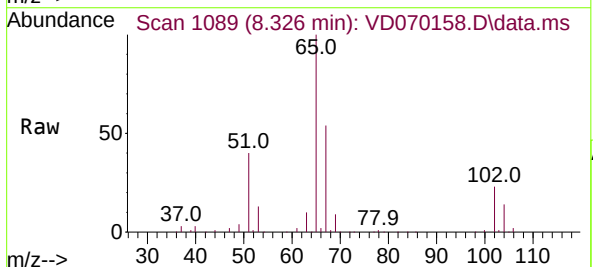
Instrument :
MSVOA_D
ClientSampleId :

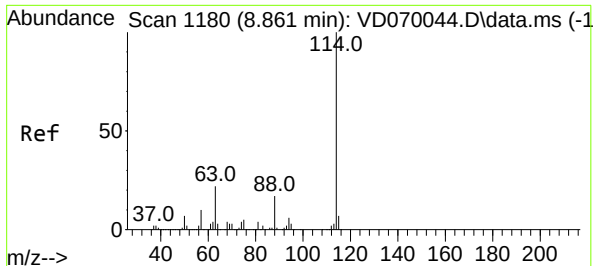
Tgt Ion: 56 Resp: 21352
Ion Ratio Lower Upper
56 100
69 145.7 26.7 40.1#
84 146.0 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 52.303 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070158.D
Acq: 19 Aug 2021 10:34

Tgt Ion: 65 Resp: 368590
Ion Ratio Lower Upper
65 100
67 54.6 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: VD070158.D

Acq: 19 Aug 2021 10:34

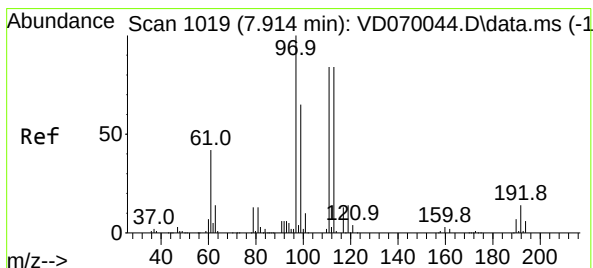
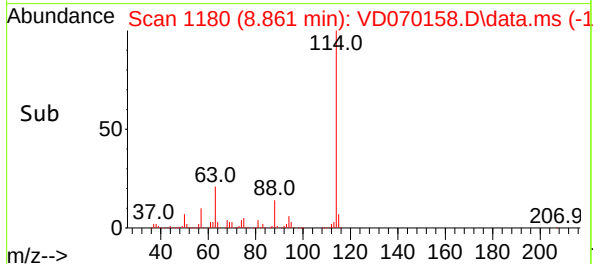
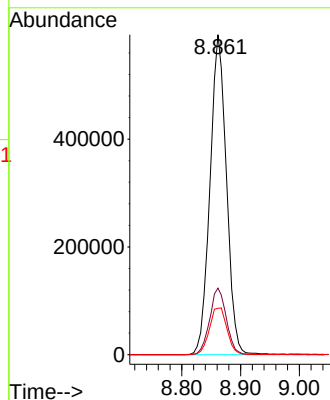
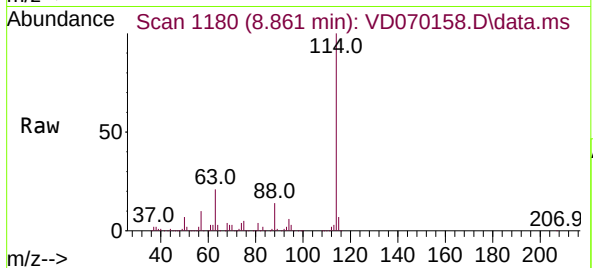
Tgt Ion:114 Resp: 1153153

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.6

88 14.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.055 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070158.D

Acq: 19 Aug 2021 10:34

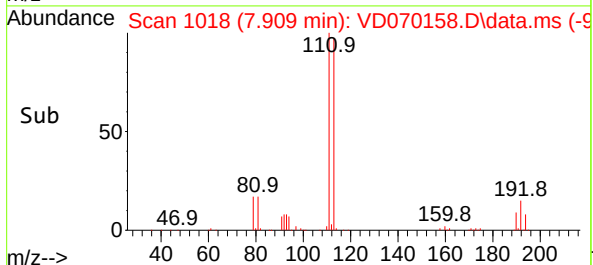
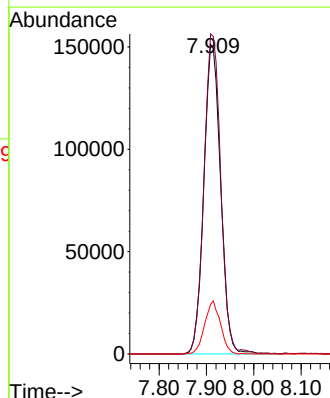
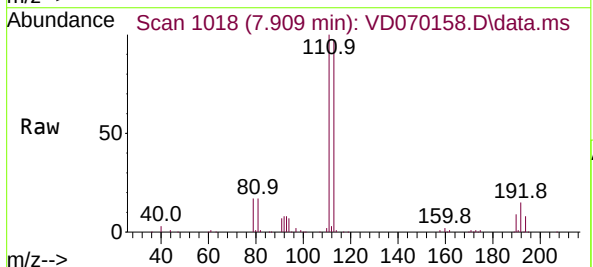
Tgt Ion:113 Resp: 372912

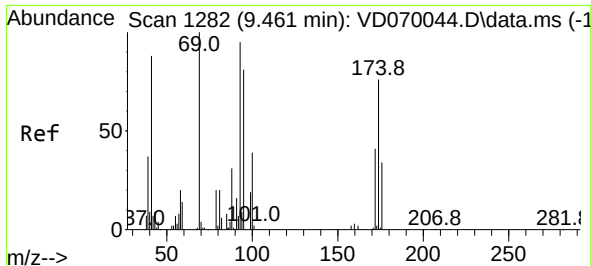
Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.6

192 16.1 13.2 19.8





#49

1,4-Dioxane

Concen: 1.295 ug/l

RT: 9.473 min Scan# 1284

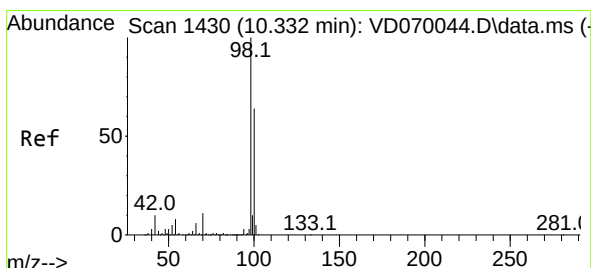
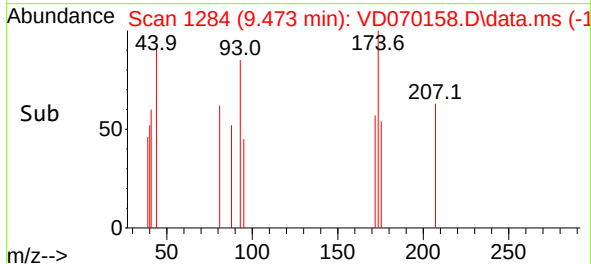
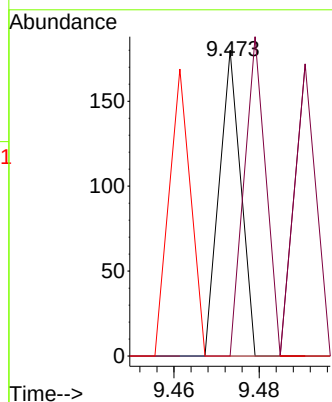
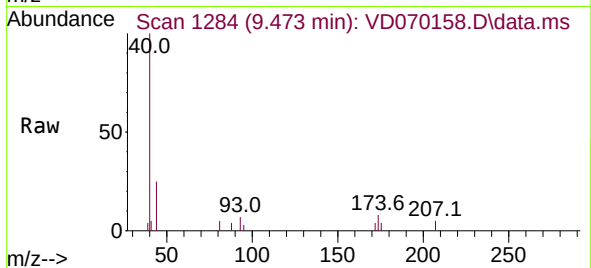
Delta R.T. 0.012 min

Lab File: VD070158.D

Acq: 19 Aug 2021 10:34

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 88	Resp: 64
Ion Ratio	Lower Upper
88 100	
43 103.1	25.8 38.6#
58 93.8	57.4 86.2#



#50

Toluene-d8

Concen: 51.243 ug/l

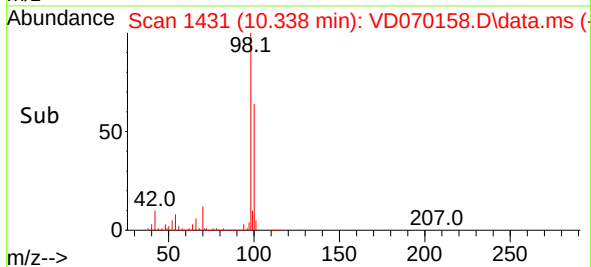
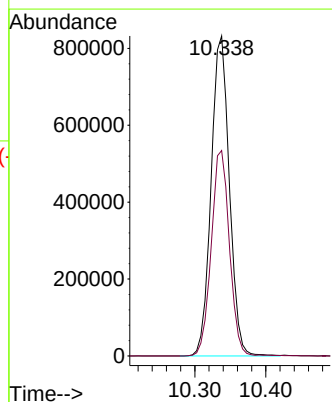
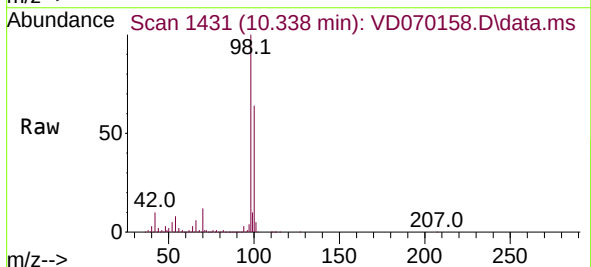
RT: 10.338 min Scan# 1431

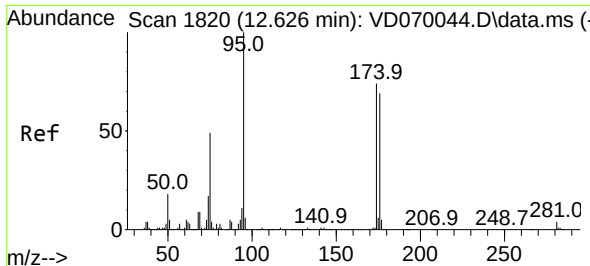
Delta R.T. 0.006 min

Lab File: VD070158.D

Acq: 19 Aug 2021 10:34

Tgt Ion: 98	Resp: 1484871
Ion Ratio	Lower Upper
98 100	
100 64.2	52.6 78.8

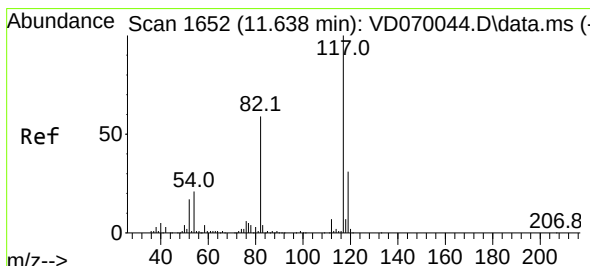
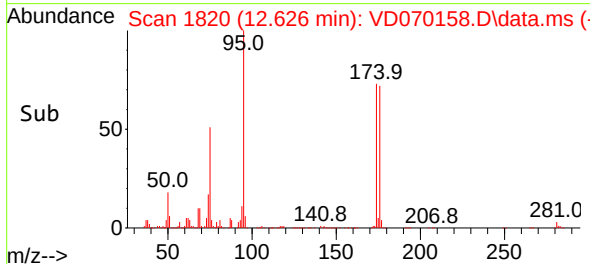
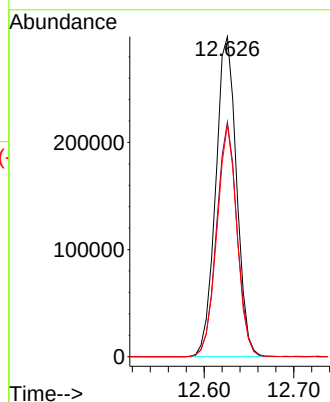
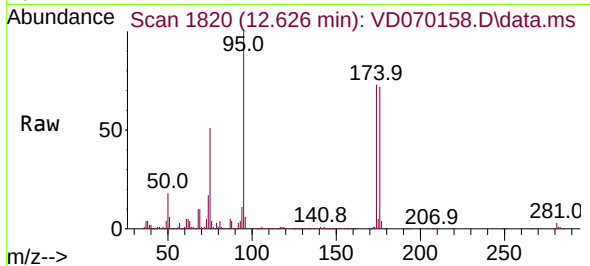




#62
4-Bromofluorobenzene
Concen: 50.496 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070158.D
Acq: 19 Aug 2021 10:34

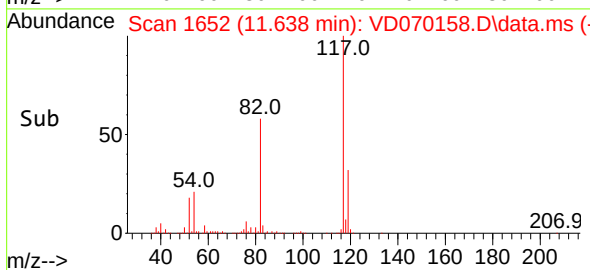
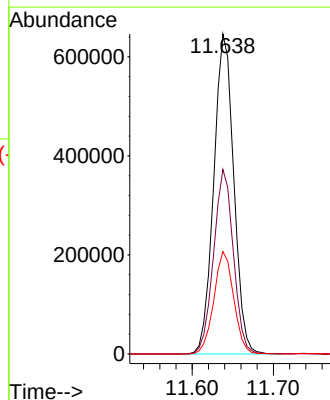
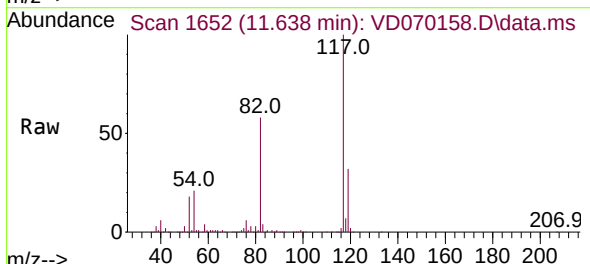
Instrument :
MSVOA_D
ClientSampleId :

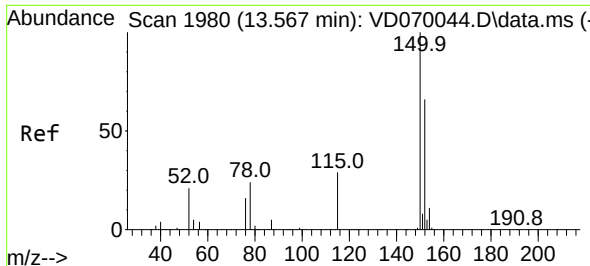
Tgt Ion: 95 Resp: 481942
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.6
176 69.8 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070158.D
Acq: 19 Aug 2021 10:34

Tgt Ion: 117 Resp: 1108433
Ion Ratio Lower Upper
117 100
82 57.7 47.5 71.3
119 32.0 25.1 37.7

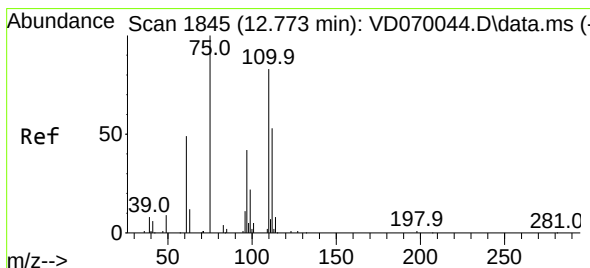
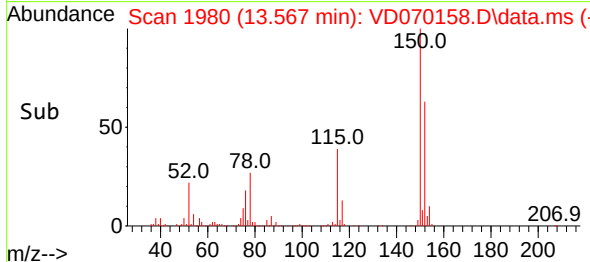
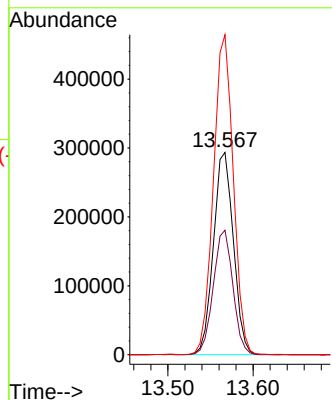
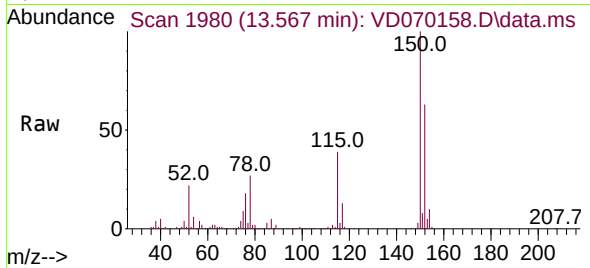




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070158.D
Acq: 19 Aug 2021 10:34

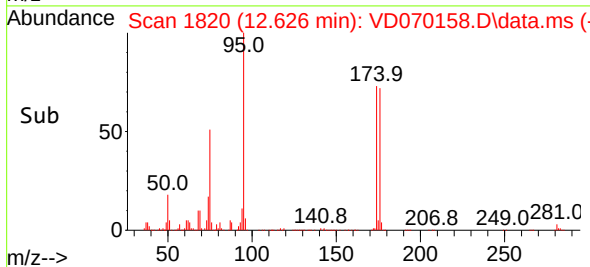
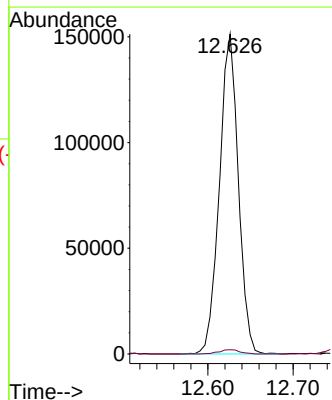
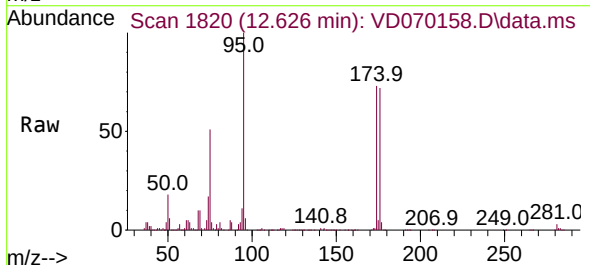
Instrument :
MSVOA_D
ClientSampleId :

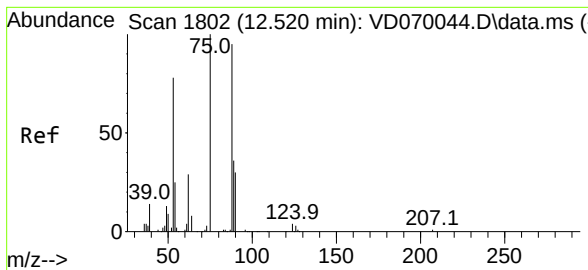
Tgt Ion:152 Resp: 477892
Ion Ratio Lower Upper
152 100
115 60.4 31.2 93.6
150 157.4 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 48.208 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070158.D
Acq: 19 Aug 2021 10:34

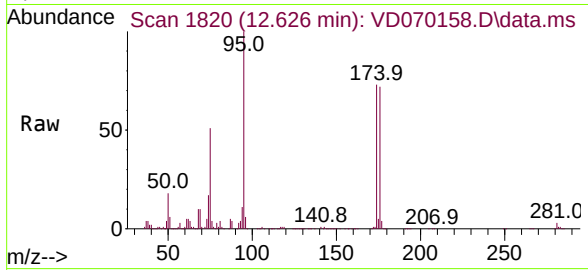
Tgt Ion: 75 Resp: 233641
Ion Ratio Lower Upper
75 100
77 1.5 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.131 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070158.D
 Acq: 19 Aug 2021 10:34

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 233641
 Ion Ratio Lower Upper
 75 100
 53 0.2 64.5 96.7#
 89 0.0 33.7 50.5#

