

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070172.D
 Acq On : 19 Aug 2021 17:15
 Operator : VA/SY
 Sample : M3414-14
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 20 05:48:09 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)

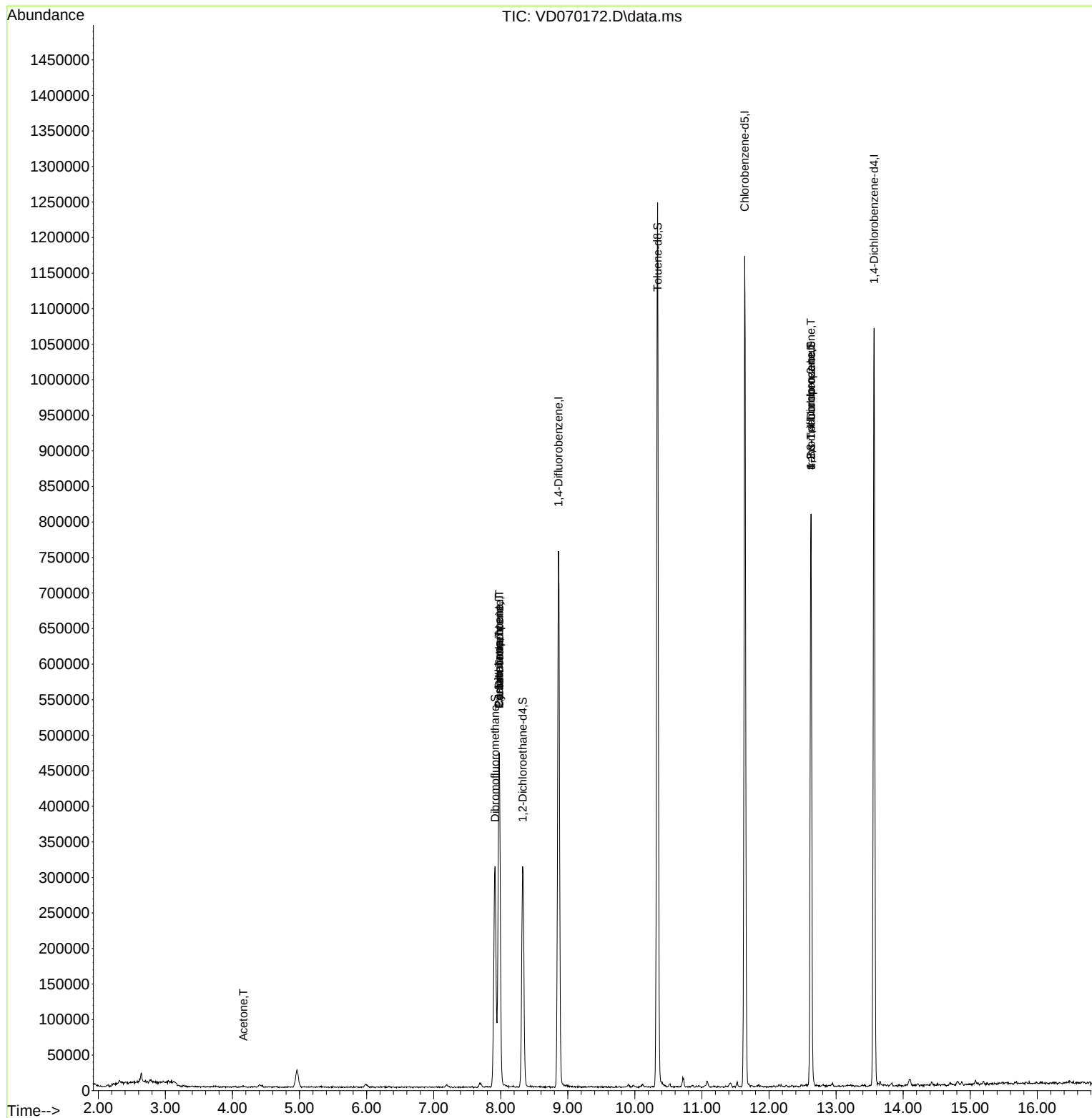
Internal Standards						
1) Pentafluorobenzene	7.979	168	342779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	645124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	670566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	286740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	247419	61.370	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.740%	
35) Dibromofluoromethane	7.914	113	233235	55.960	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.920%	
50) Toluene-d8	10.338	98	850930	52.491	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.980%	
62) 4-Bromofluorobenzene	12.626	95	273887	51.295	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.580%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	443	Below Cal	#	42
3) Chloromethane	2.203	50	806	Below Cal	#	85
5) Bromomethane	2.773	94	1917	Below Cal		93
16) Acetone	4.162	43	2607	3.510	ug/l #	74
20) Methylene Chloride	4.962	84	18057	Below Cal	#	87
31) Cyclohexane	7.973	56	8498	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	29619	4.268	ug/l #	48
38) Carbon Tetrachloride	7.979	117	38503	6.111	ug/l #	13
76) 1,2,3-Trichloropropane	12.626	75	137644	47.334	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	137644	122.861	ug/l #	18

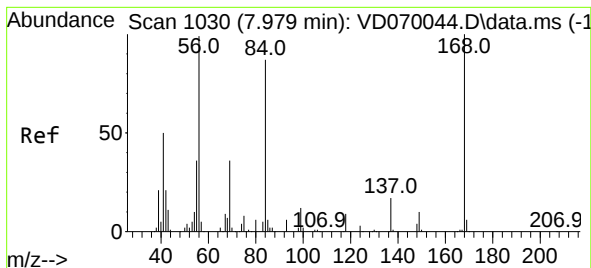
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 20 05:48:09 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: VD070172.D

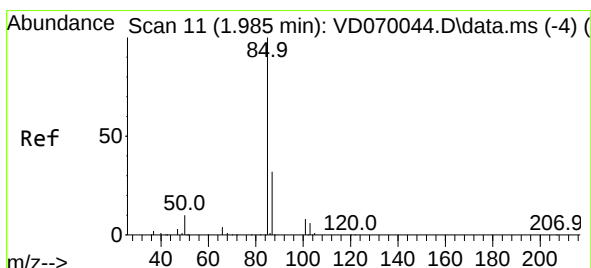
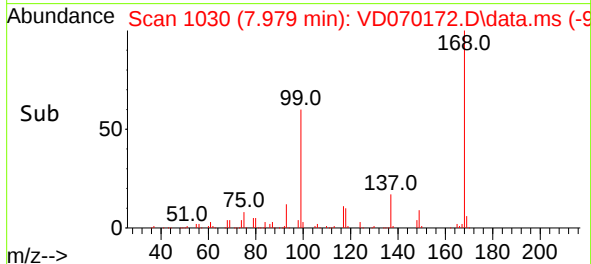
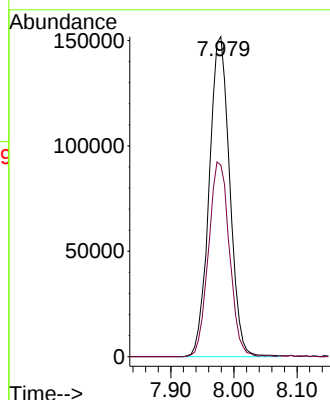
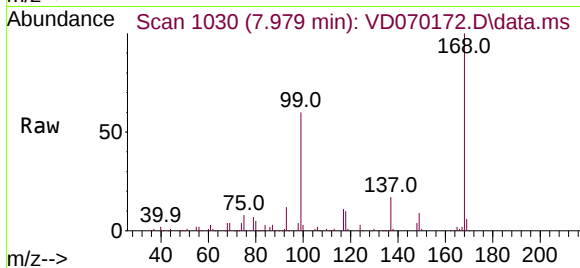
Acq: 19 Aug 2021 17:15

Tgt Ion:168 Resp: 342779

Ion Ratio Lower Upper

168 100

99 59.9 50.3 75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.991 min Scan# 12

Delta R.T. 0.006 min

Lab File: VD070172.D

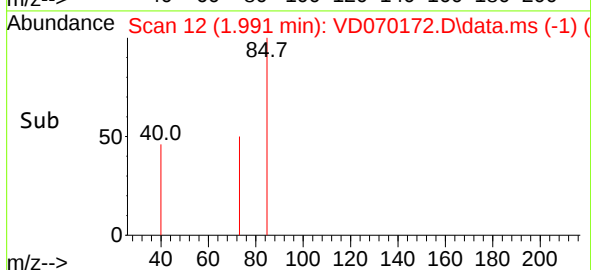
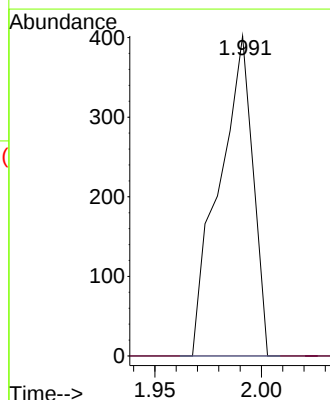
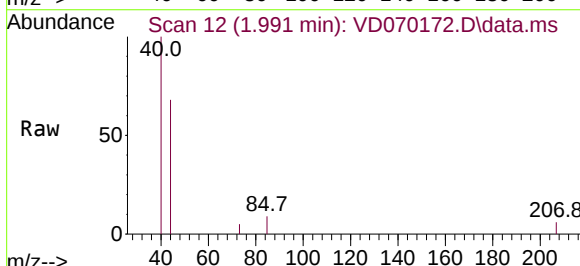
Acq: 19 Aug 2021 17:15

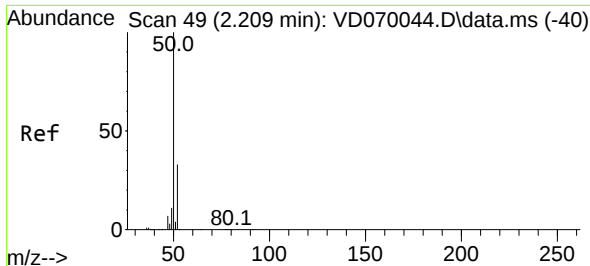
Tgt Ion: 85 Resp: 443

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#

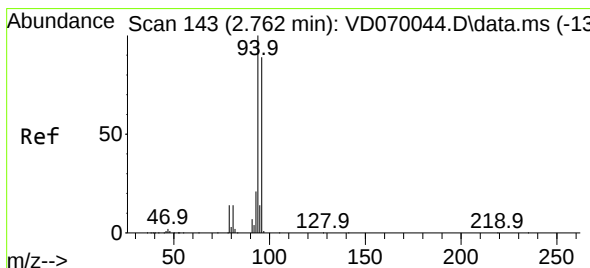
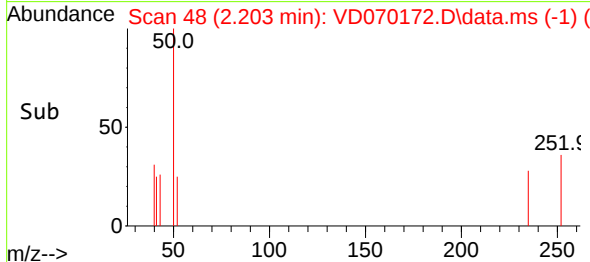
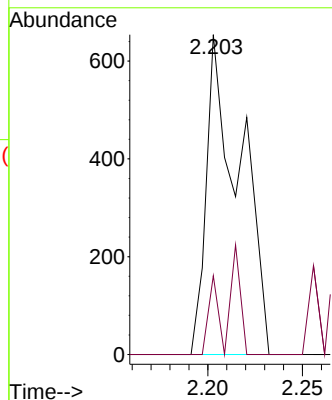
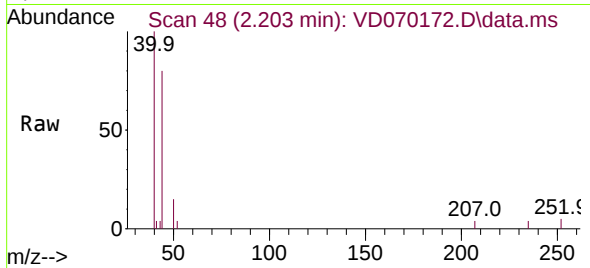




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070172.D
Acq: 19 Aug 2021 17:15

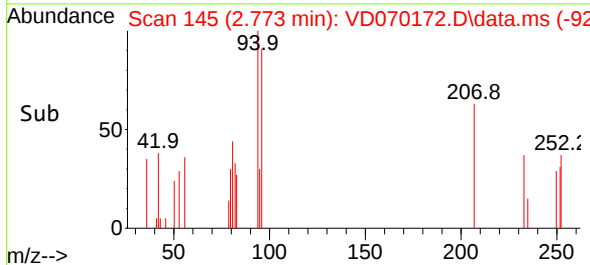
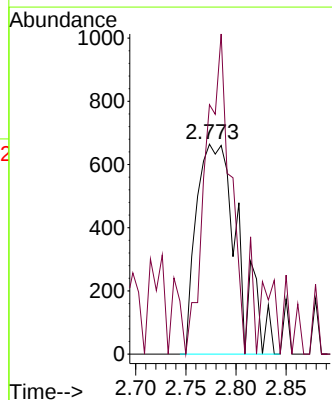
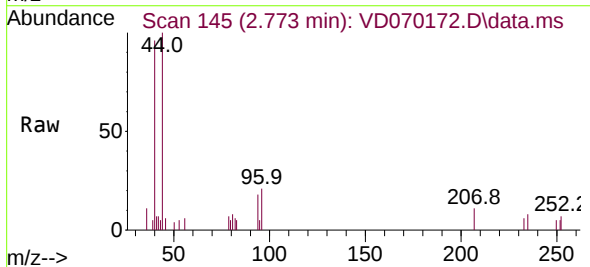
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 50 Resp: 806
Ion Ratio Lower Upper
50 100
52 24.6 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070172.D
Acq: 19 Aug 2021 17:15

Tgt Ion: 94 Resp: 1917
Ion Ratio Lower Upper
94 100
96 95.0 70.9 106.3

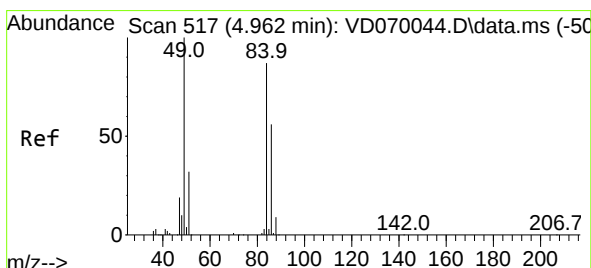
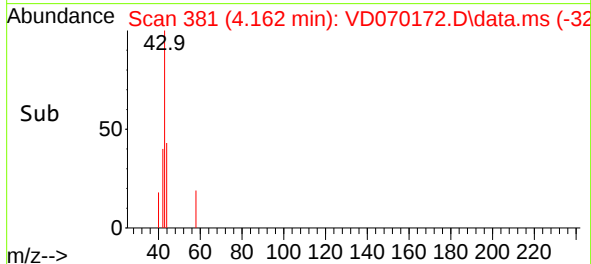
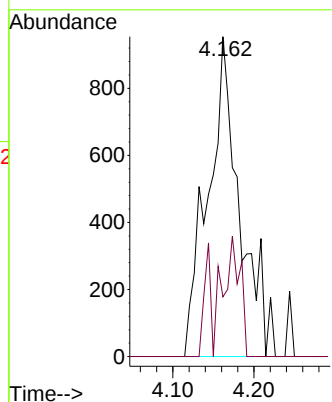
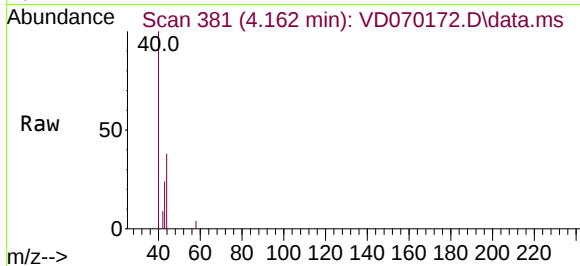




#16
Acetone
Concen: 3.510 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070172.D
Acq: 19 Aug 2021 17:15

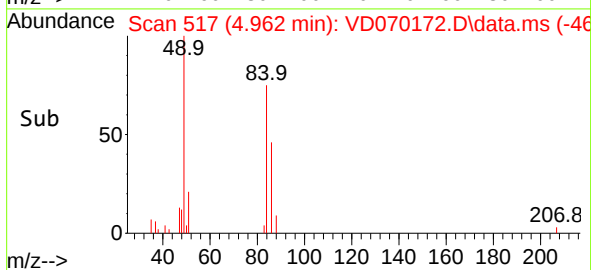
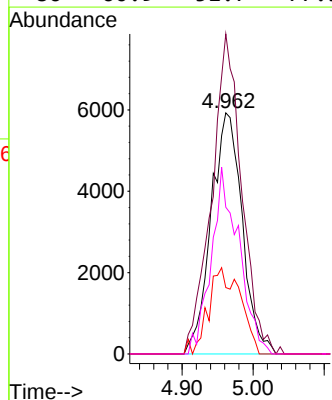
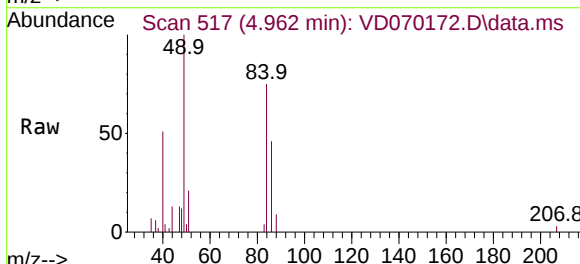
Instrument :
MSVOA_D
ClientSampled :

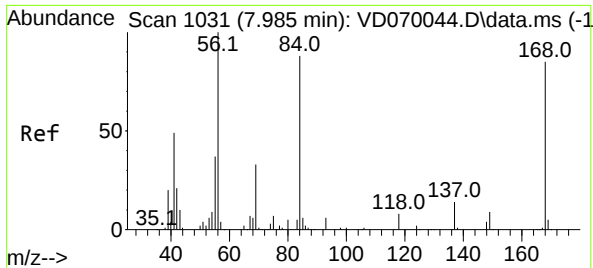
Tgt Ion: 43 Resp: 2607
Ion Ratio Lower Upper
43 100
58 18.7 26.8 40.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070172.D
Acq: 19 Aug 2021 17:15

Tgt Ion: 84 Resp: 18057
Ion Ratio Lower Upper
84 100
49 132.7 92.5 138.7
51 27.5 29.7 44.5#
86 60.9 51.7 77.5

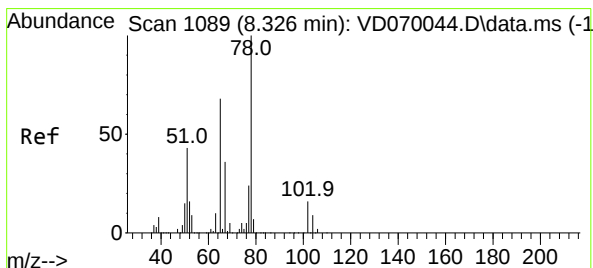
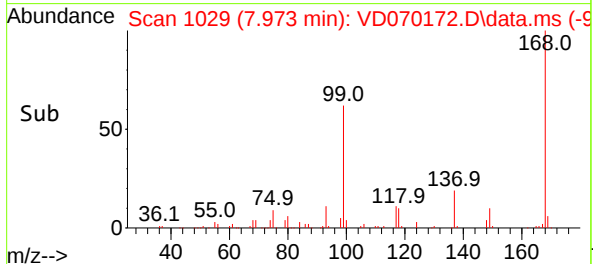
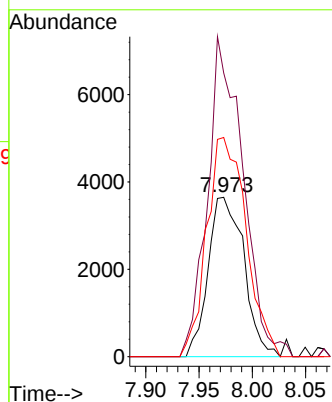
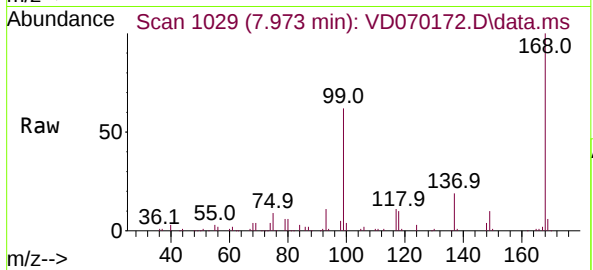




#31
Cyclohexane
Concen: 1.065 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070172.D
Acq: 19 Aug 2021 17:15

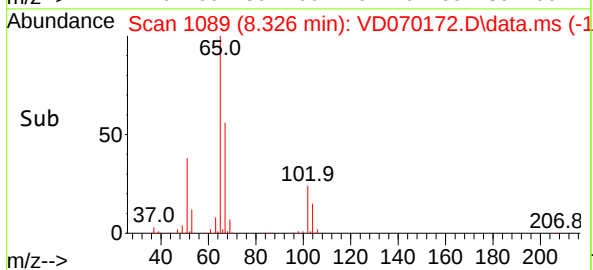
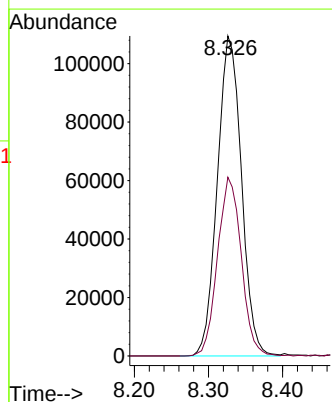
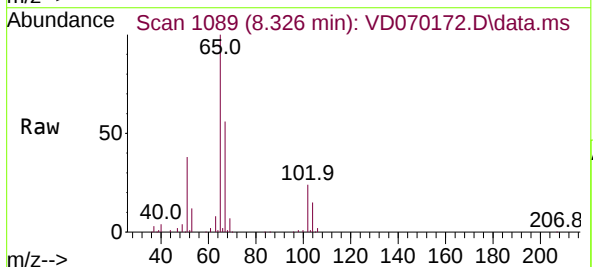
Instrument :
MSVOA_D
ClientSampleId :

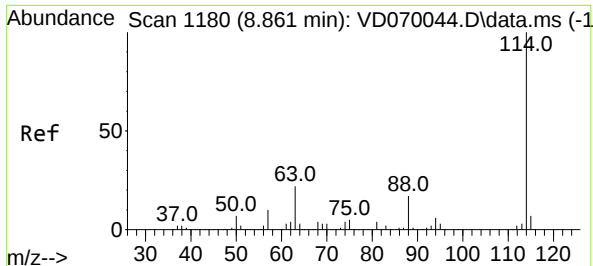
Tgt Ion: 56 Resp: 8498
Ion Ratio Lower Upper
56 100
69 177.9 26.7 40.1#
84 137.5 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 61.370 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070172.D
Acq: 19 Aug 2021 17:15

Tgt Ion: 65 Resp: 247419
Ion Ratio Lower Upper
65 100
67 55.0 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: VD070172.D

Acq: 19 Aug 2021 17:15

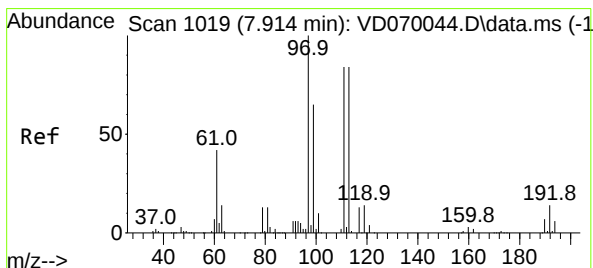
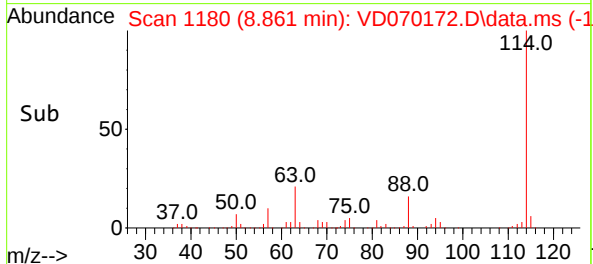
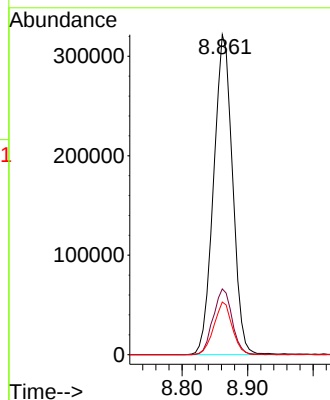
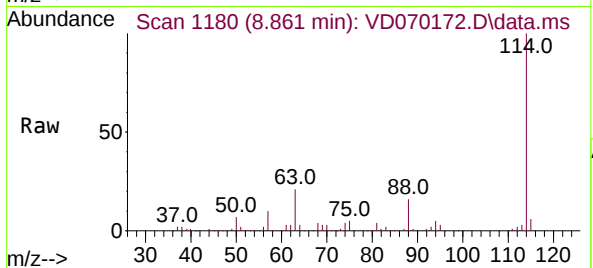
Tgt Ion:114 Resp: 645124

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.6

88 16.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 55.960 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070172.D

Acq: 19 Aug 2021 17:15

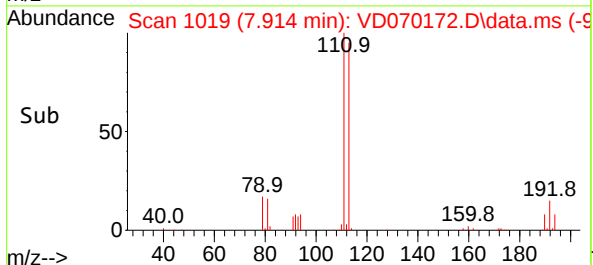
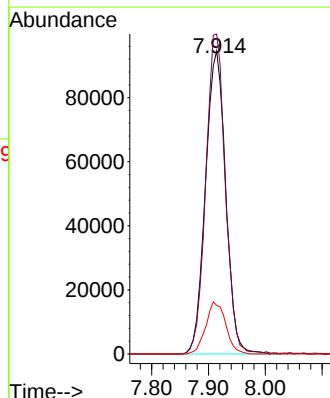
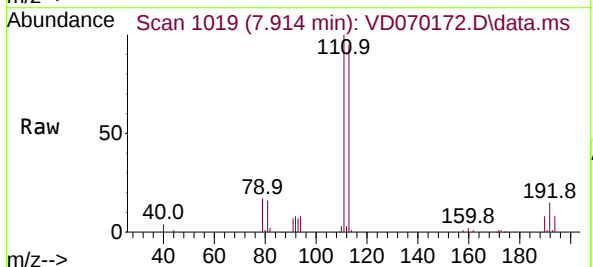
Tgt Ion:113 Resp: 233235

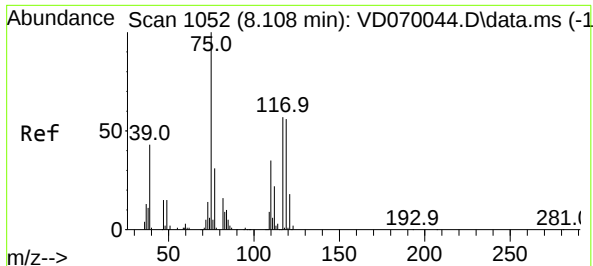
Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.6

192 17.0 13.2 19.8

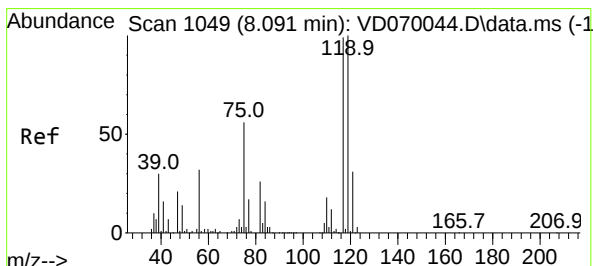
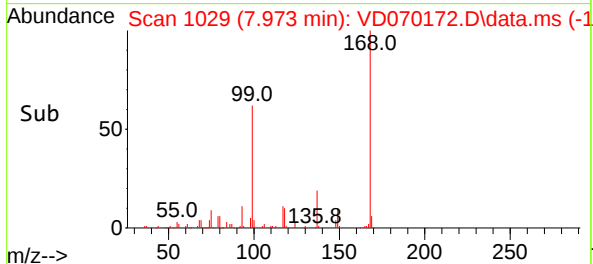
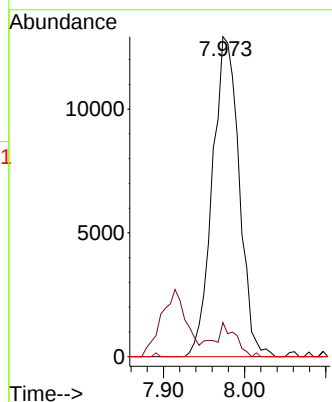
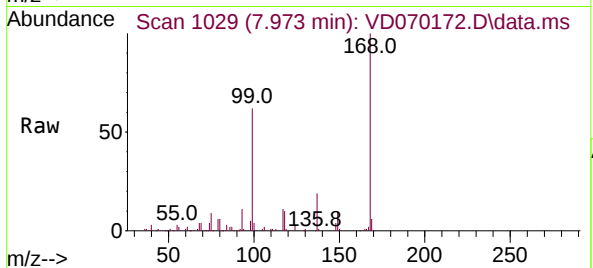




#36
1,1-Dichloropropene
Concen: 4.268 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070172.D
Acq: 19 Aug 2021 17:15

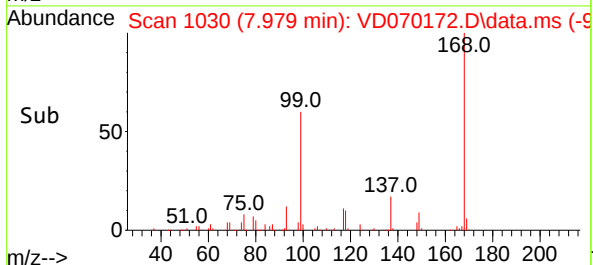
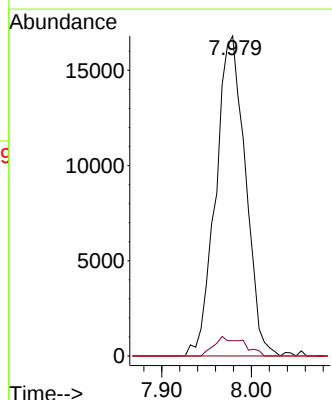
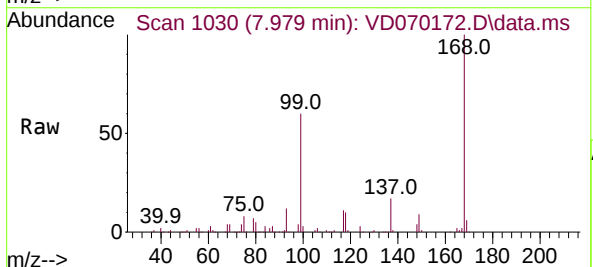
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MSVOA_D
ClientSampled :

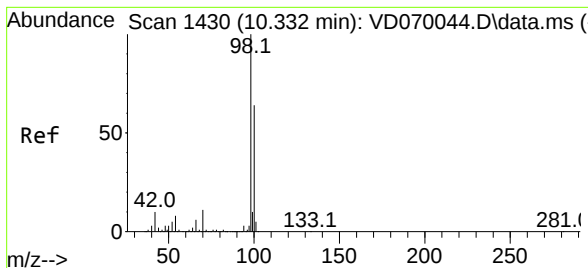
Tgt Ion: 75 Resp: 29619
Ion Ratio Lower Upper
75 100
110 6.3 16.9 50.7#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 6.111 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070172.D
Acq: 19 Aug 2021 17:15

Tgt Ion: 117 Resp: 38503
Ion Ratio Lower Upper
117 100
119 4.8 81.0 121.6#
121 0.0 25.0 37.6#

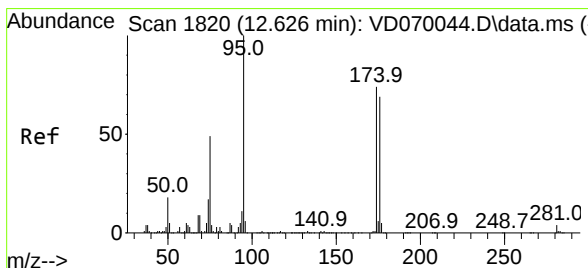
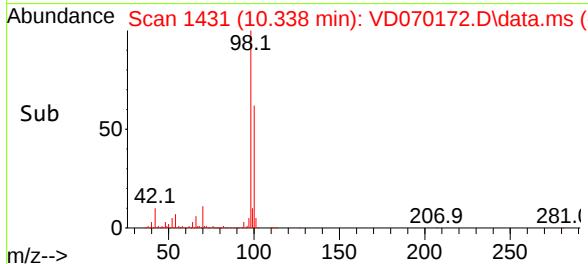
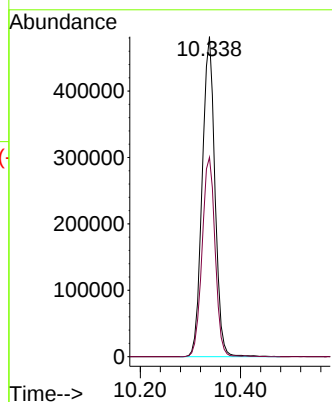
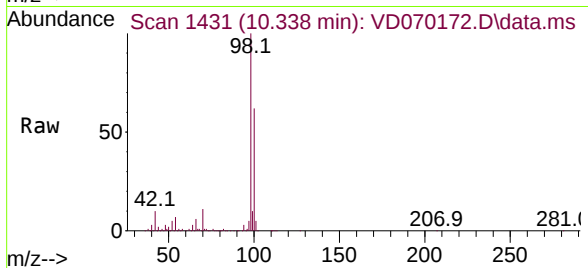




#50
Toluene-d8
Concen: 52.491 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070172.D
Acq: 19 Aug 2021 17:15

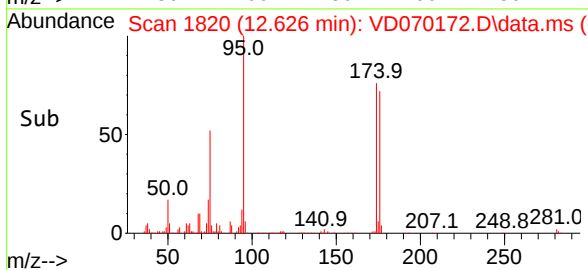
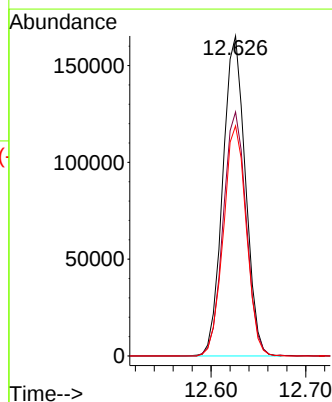
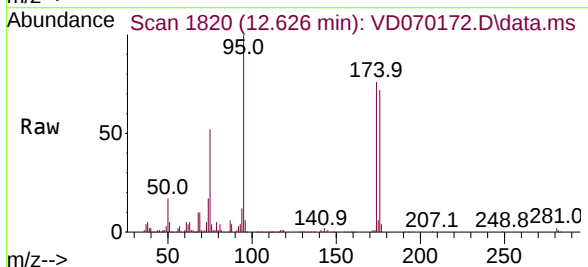
Instrument :
MSVOA_D
ClientSampleId :

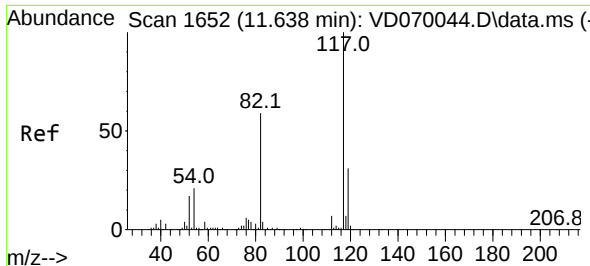
Tgt Ion: 98 Resp: 850930
Ion Ratio Lower Upper
98 100
100 63.4 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 51.295 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070172.D
Acq: 19 Aug 2021 17:15

Tgt Ion: 95 Resp: 273887
Ion Ratio Lower Upper
95 100
174 77.8 0.0 141.6
176 73.0 0.0 138.2

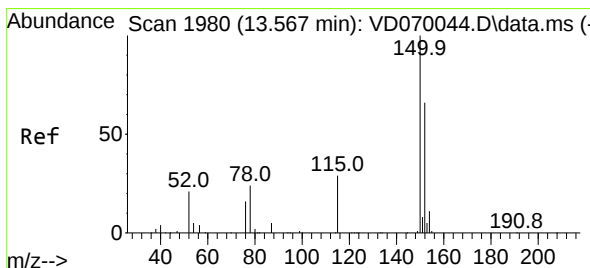
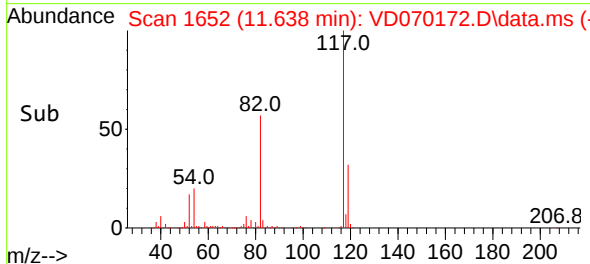
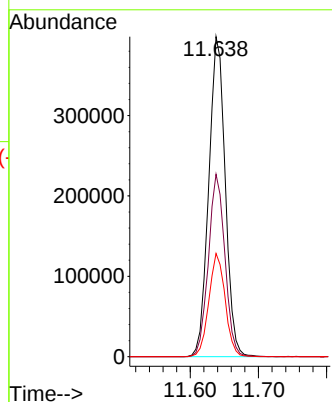
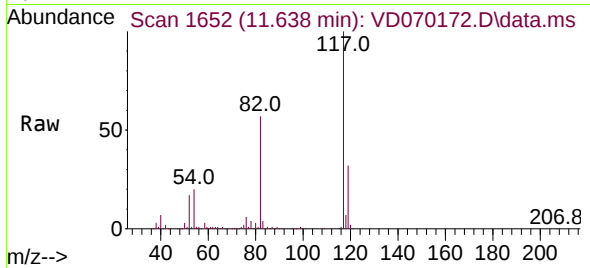




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070172.D
Acq: 19 Aug 2021 17:15

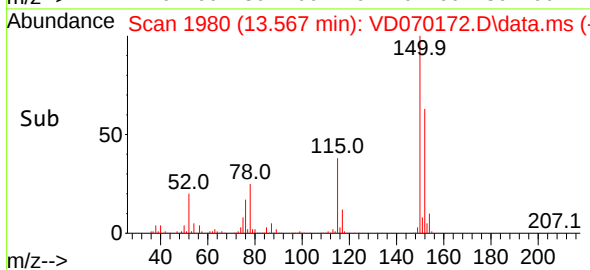
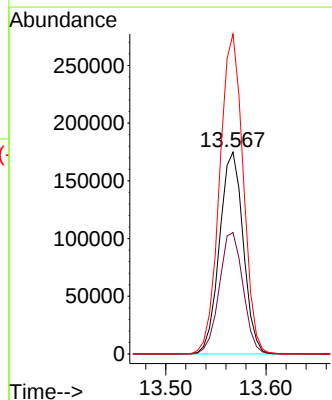
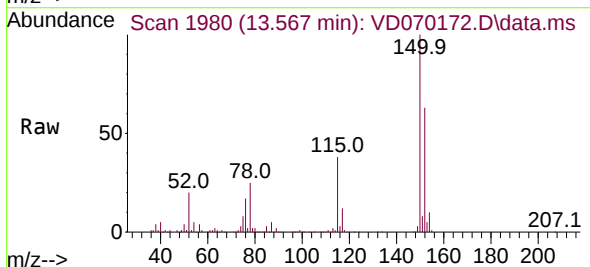
Instrument :
MSVOA_D
ClientSampled :

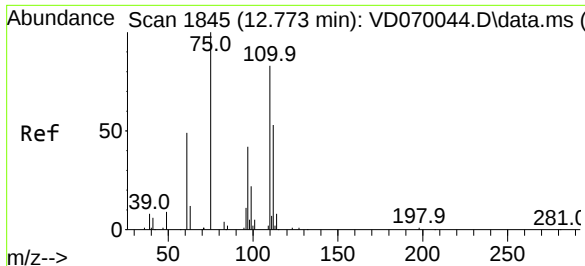
Tgt Ion:117 Resp: 670566
Ion Ratio Lower Upper
117 100
82 57.0 47.5 71.3
119 32.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070172.D
Acq: 19 Aug 2021 17:15

Tgt Ion:152 Resp: 286740
Ion Ratio Lower Upper
152 100
115 60.5 31.2 93.6
150 157.4 0.0 352.0

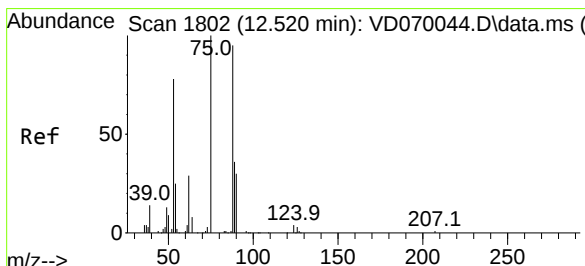
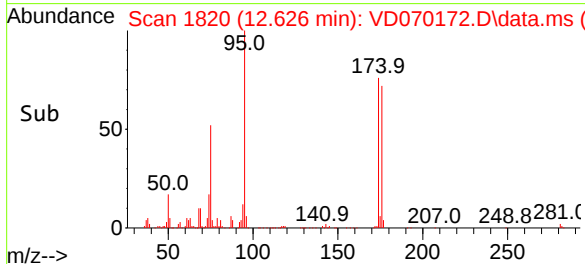
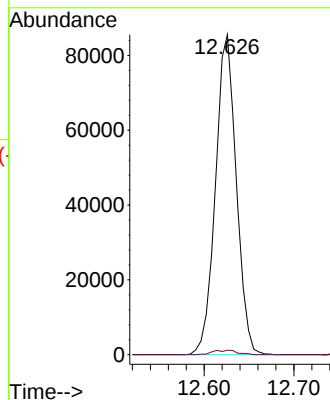
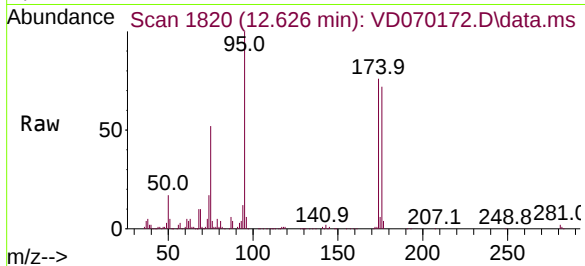




#76
1,2,3-Trichloropropane
Concen: 47.334 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070172.D
Acq: 19 Aug 2021 17:15

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 137644
Ion Ratio Lower Upper
75 100
77 1.6 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.861 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070172.D
Acq: 19 Aug 2021 17:15

Tgt Ion: 75 Resp: 137644
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.0 33.7 50.5#

