

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070192.D
 Acq On : 20 Aug 2021 04:43
 Operator : VA/SY
 Sample : M3449-16
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 20 05:51:13 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)

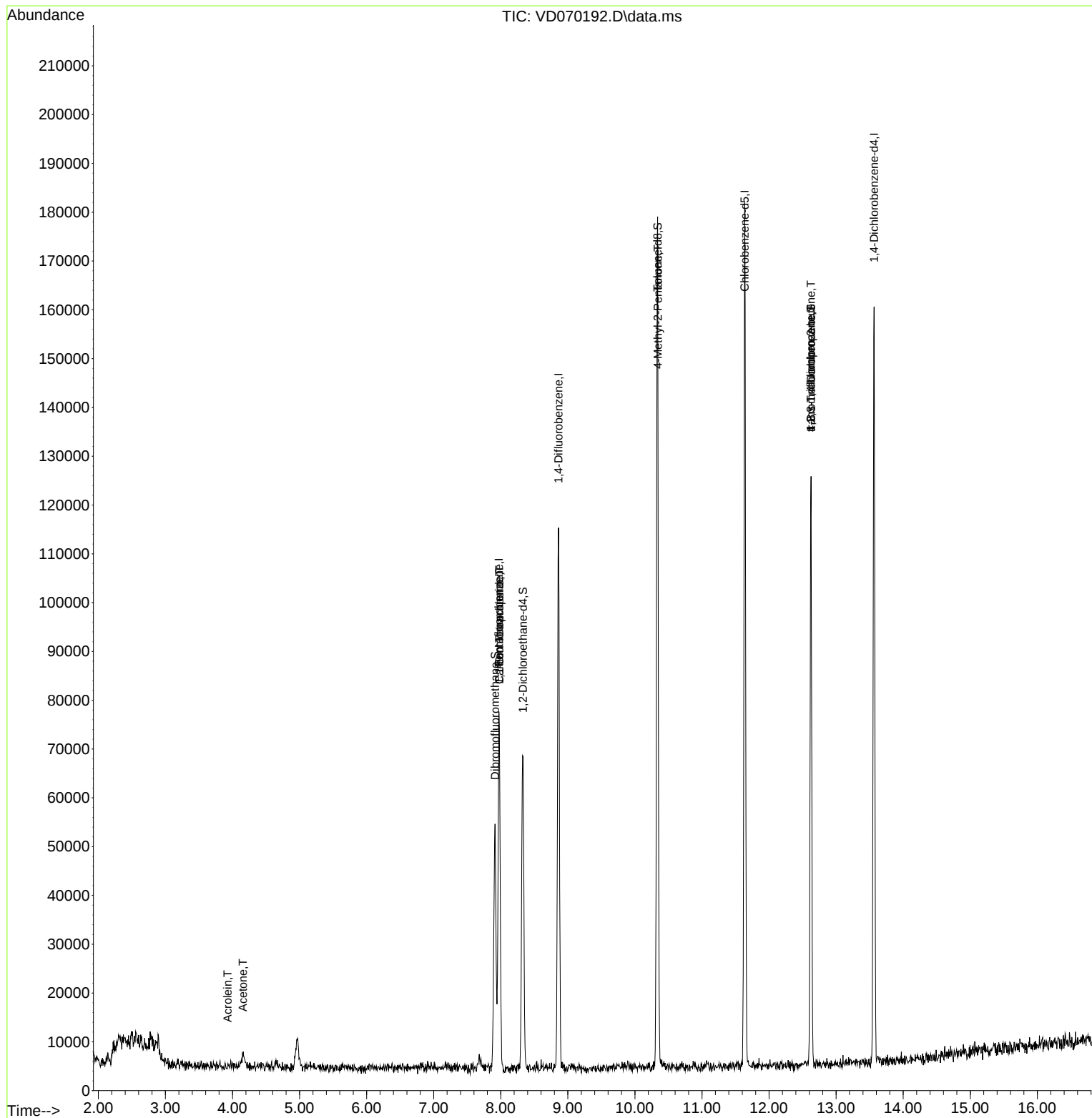
Internal Standards						
1) Pentafluorobenzene	7.973	168	51943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	91883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	103670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	42911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	52757	86.355	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 172.720%#			
35) Dibromofluoromethane	7.914	113	36340	61.217	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.440%			
50) Toluene-d8	10.337	98	121166	52.478	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.960%			
62) 4-Bromofluorobenzene	12.625	95	39969	52.557	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.120%			
Target Compounds						
3) Chloromethane	2.208	50	593	Below Cal	#	67
5) Bromomethane	2.767	94	830	Below Cal	#	31
13) Acrolein	3.926	56	123	3.162	ug/l #	14
16) Acetone	4.155	43	2314	20.561	ug/l	93
20) Methylene Chloride	4.967	84	5743	Below Cal	#	84
36) 1,1-Dichloropropene	7.979	75	5016	5.075	ug/l #	46
38) Carbon Tetrachloride	7.979	117	5136	5.723	ug/l #	15
51) 4-Methyl-2-Pentanone	10.343	43	573	1.644	ug/l #	1
76) 1,2,3-Trichloropropane	12.625	75	20176	46.363	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.625	75	20176	120.341	ug/l #	17

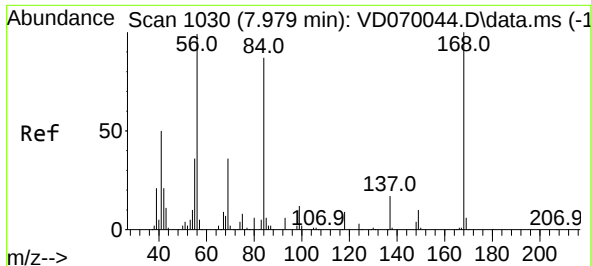
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

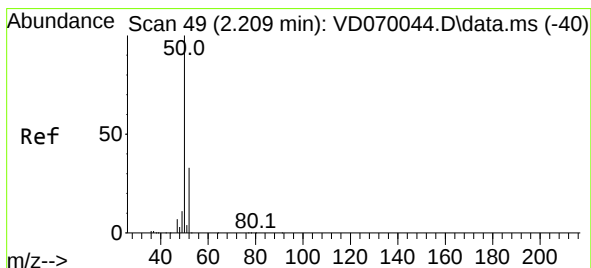
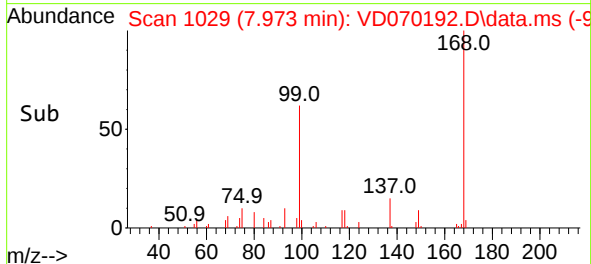
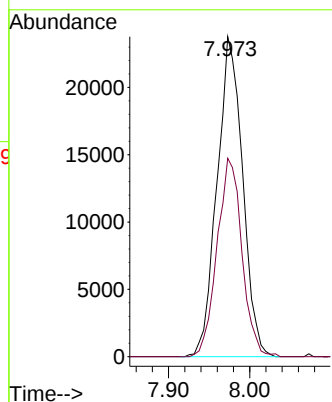
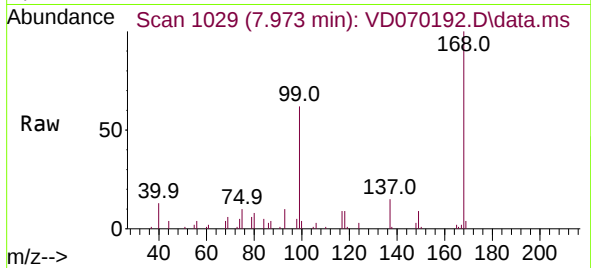




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070192.D
Acq: 20 Aug 2021 04:43

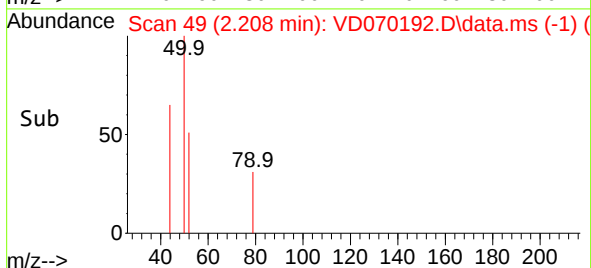
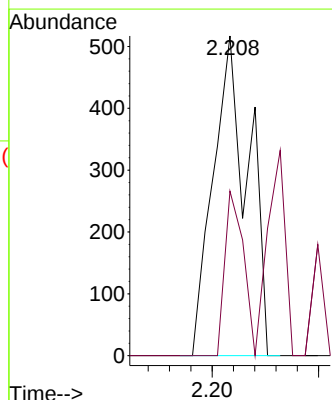
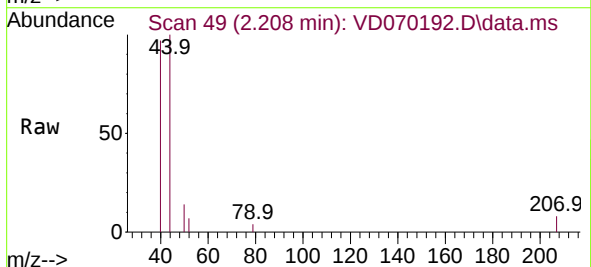
Instrument :
MSVOA_D
ClientSampleId :

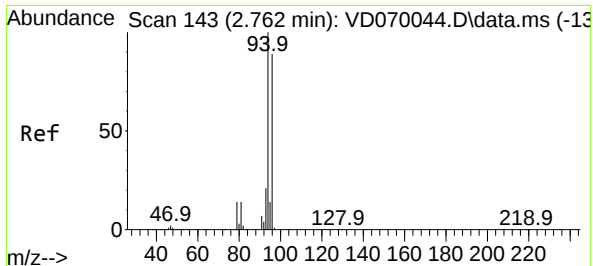
Tgt Ion:168 Resp: 51943
Ion Ratio Lower Upper
168 100
99 62.0 50.3 75.5



#3
Chloromethane
Concen: Below Cal
RT: 2.208 min Scan# 49
Delta R.T. -0.001 min
Lab File: VD070192.D
Acq: 20 Aug 2021 04:43

Tgt Ion: 50 Resp: 593
Ion Ratio Lower Upper
50 100
52 51.5 26.3 39.5#

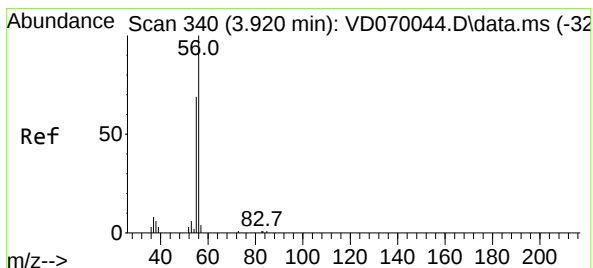
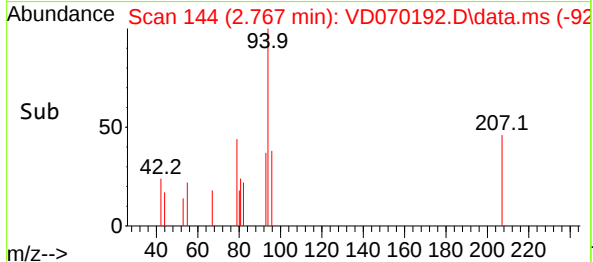
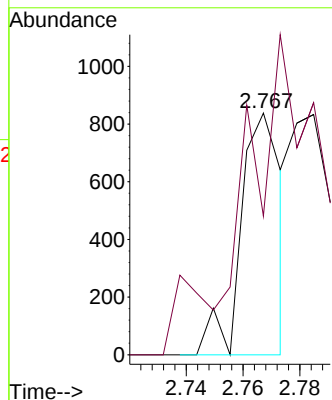
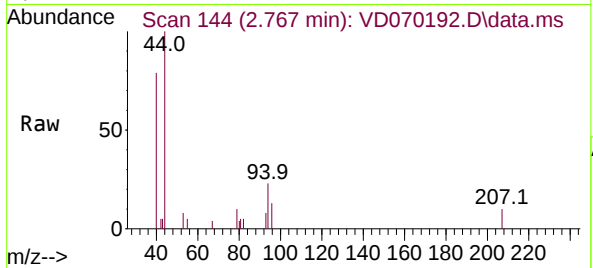




#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. 0.005 min
Lab File: VD070192.D
Acq: 20 Aug 2021 04:43

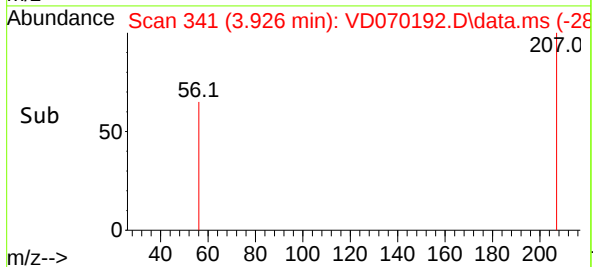
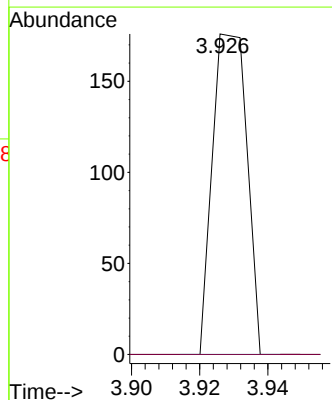
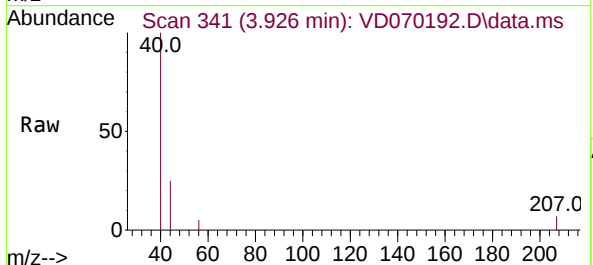
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 94 Resp: 830
Ion Ratio Lower Upper
94 100
96 24.5 70.9 106.3#



#13
Acrolein
Concen: 3.162 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.006 min
Lab File: VD070192.D
Acq: 20 Aug 2021 04:43

Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

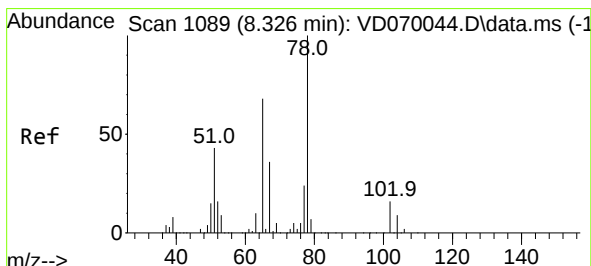
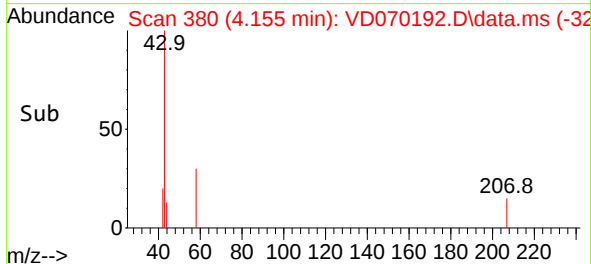
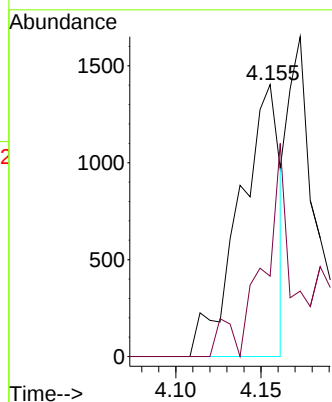
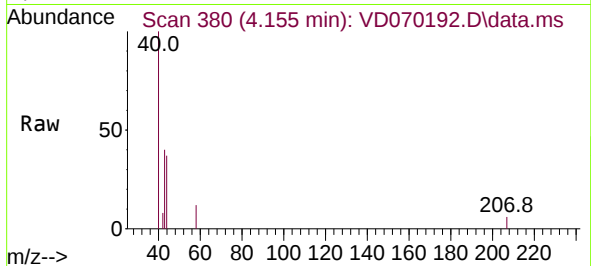




#16
Acetone
Concen: 20.561 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070192.D
Acq: 20 Aug 2021 04:43

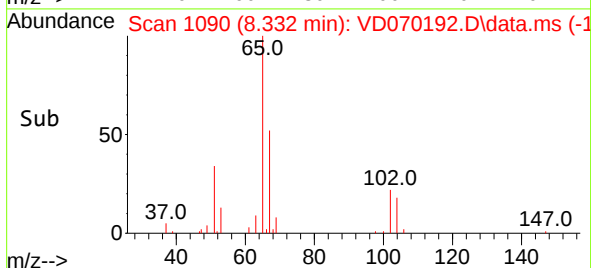
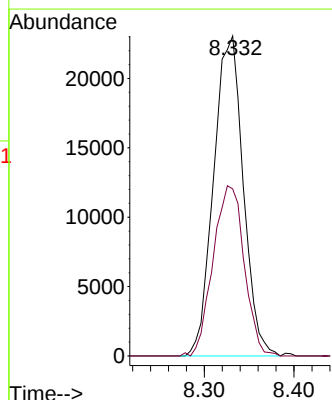
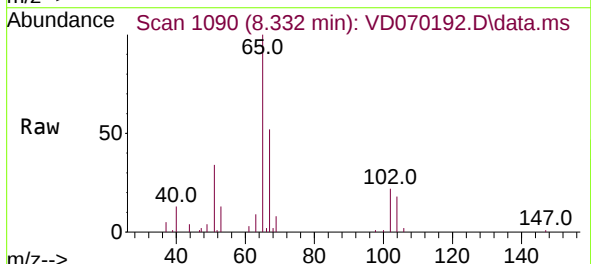
Instrument :
MSVOA_D
ClientSampled :

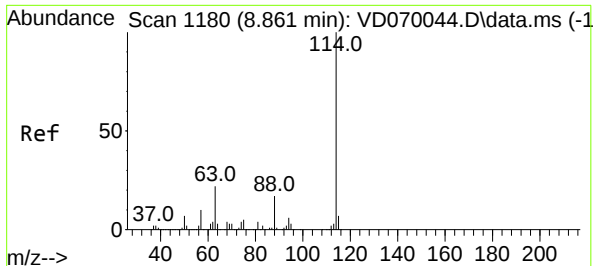
Tgt Ion: 43 Resp: 2314
Ion Ratio Lower Upper
43 100
58 29.6 26.8 40.2



#33
1,2-Dichloroethane-d4
Concen: 86.355 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070192.D
Acq: 20 Aug 2021 04:43

Tgt Ion: 65 Resp: 52757
Ion Ratio Lower Upper
65 100
67 55.9 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

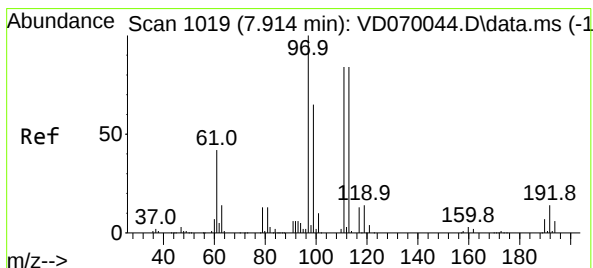
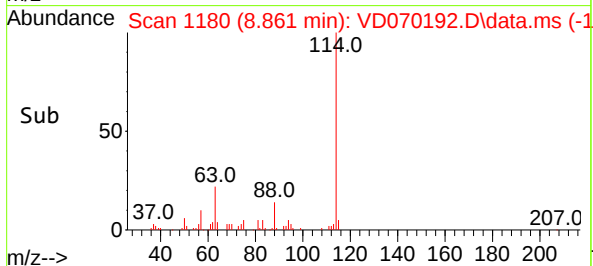
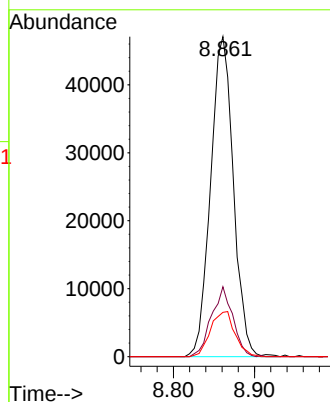
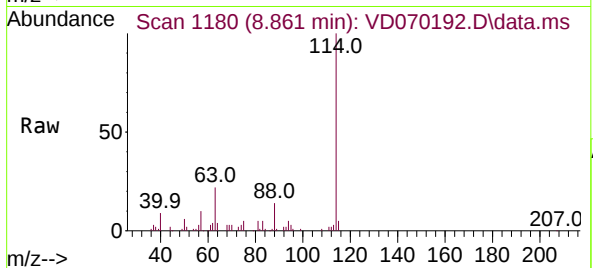
Delta R.T. -0.000 min

Lab File: VD070192.D

Acq: 20 Aug 2021 04:43

Tgt Ion:	114	Resp:	91883
Ion Ratio	Lower	Upper	
114	100		
63	21.8	0.0	43.6
88	13.9	0.0	33.4

Instrument :
MSVOA_D
ClientSampleId :



#35

Dibromofluoromethane

Concen: 61.217 ug/l

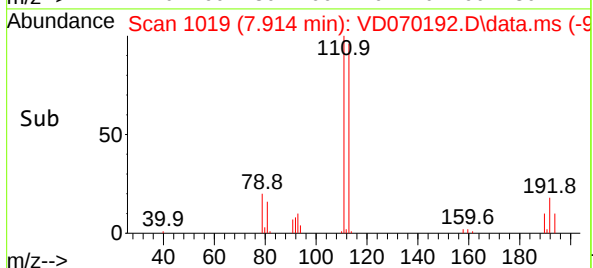
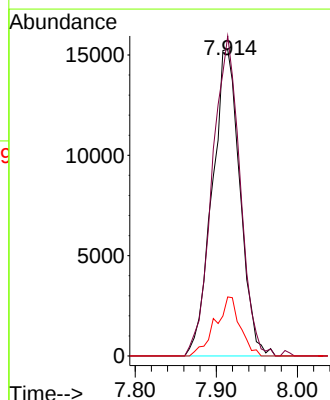
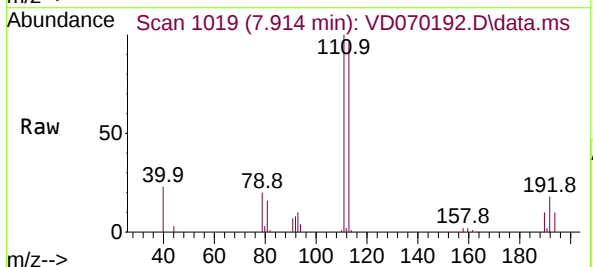
RT: 7.914 min Scan# 1019

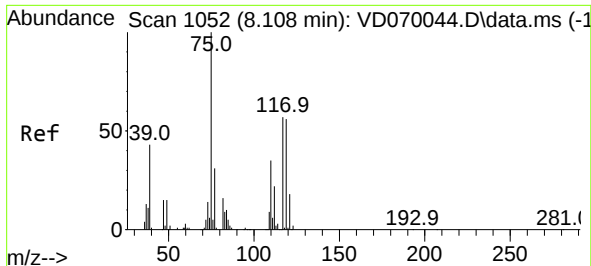
Delta R.T. -0.000 min

Lab File: VD070192.D

Acq: 20 Aug 2021 04:43

Tgt Ion:	113	Resp:	36340
Ion Ratio	Lower	Upper	
113	100		
111	104.3	81.8	122.6
192	17.2	13.2	19.8

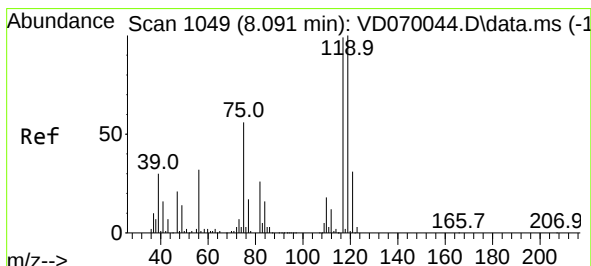
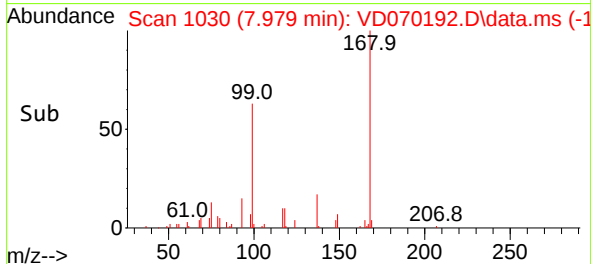
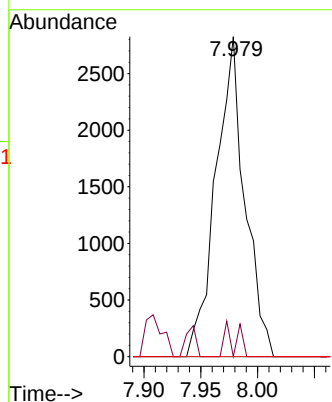
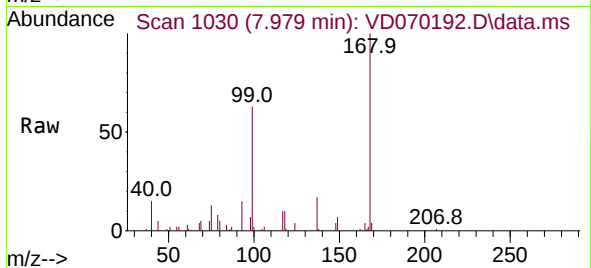




#36
1,1-Dichloropropene
Concen: 5.075 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070192.D
Acq: 20 Aug 2021 04:43

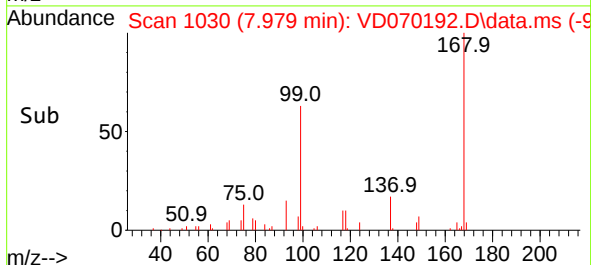
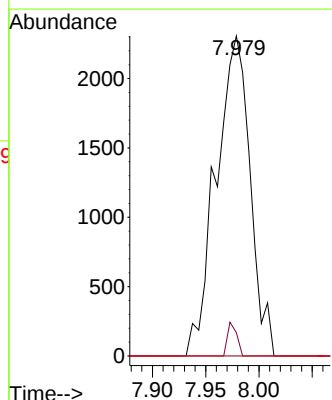
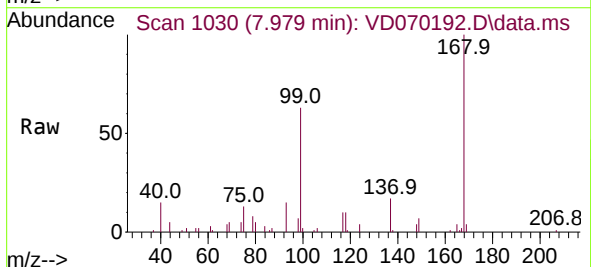
Instrument :
MSVOA_D
ClientSampled :

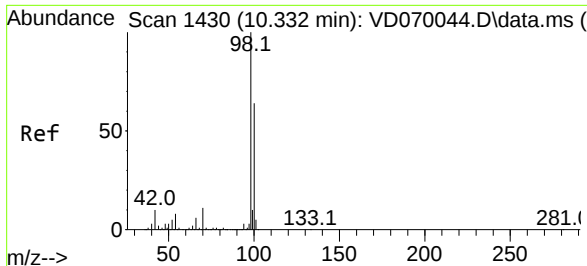
Tgt Ion: 75 Resp: 5016
Ion Ratio Lower Upper
75 100
110 4.2 16.9 50.7#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.723 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070192.D
Acq: 20 Aug 2021 04:43

Tgt Ion: 117 Resp: 5136
Ion Ratio Lower Upper
117 100
119 7.3 81.0 121.6#
121 0.0 25.0 37.6#

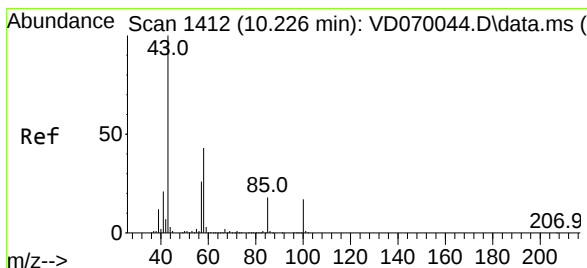
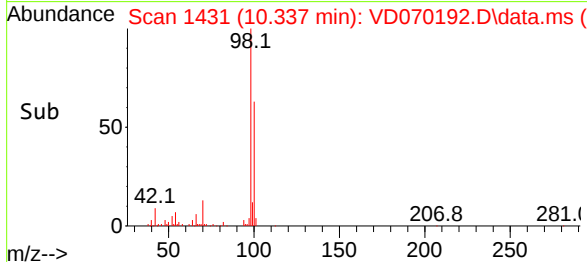
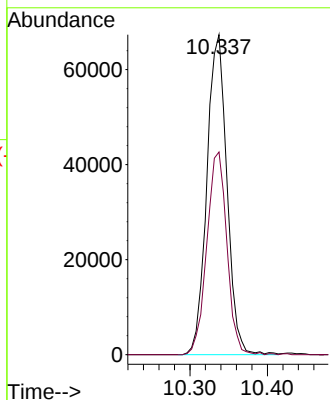
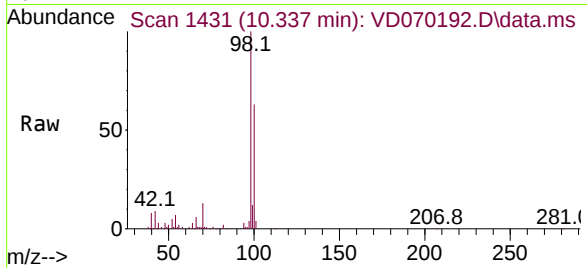




#50
Toluene-d8
Concen: 52.478 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070192.D
Acq: 20 Aug 2021 04:43

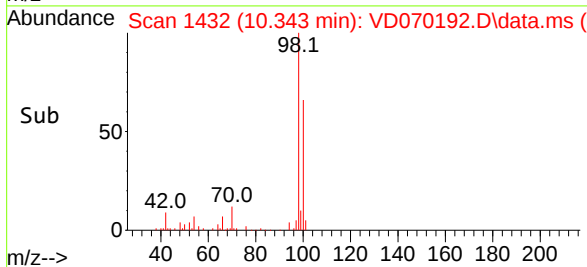
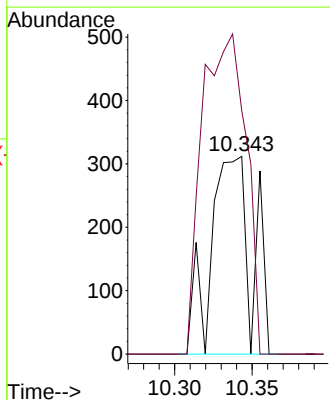
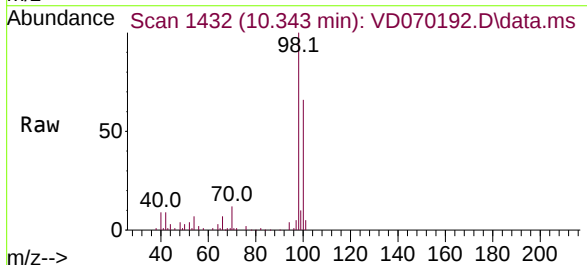
Instrument :
MSVOA_D
ClientSampled :

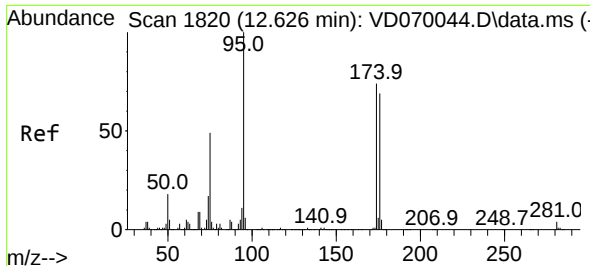
Tgt Ion: 98 Resp: 121166
Ion Ratio Lower Upper
98 100
100 63.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.644 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.117 min
Lab File: VD070192.D
Acq: 20 Aug 2021 04:43

Tgt Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
58 173.1 33.9 50.9#

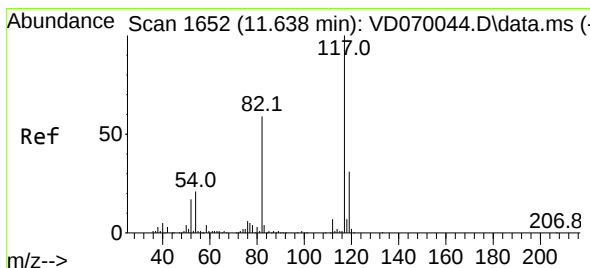
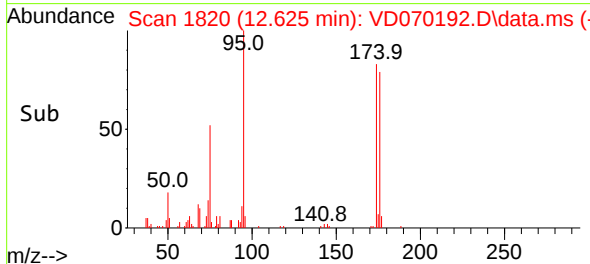
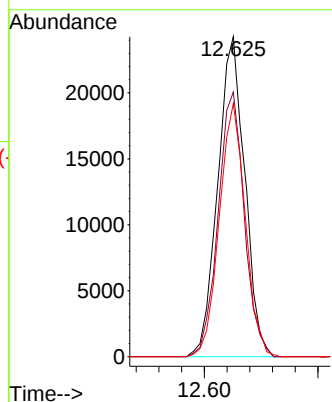
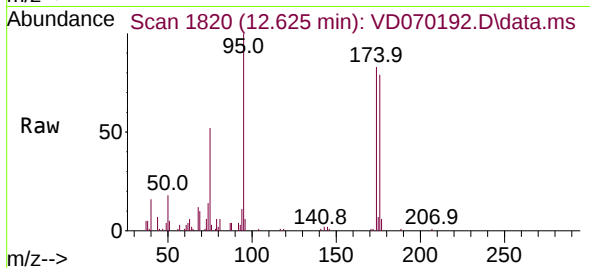




#62
4-Bromofluorobenzene
Concen: 52.557 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070192.D
Acq: 20 Aug 2021 04:43

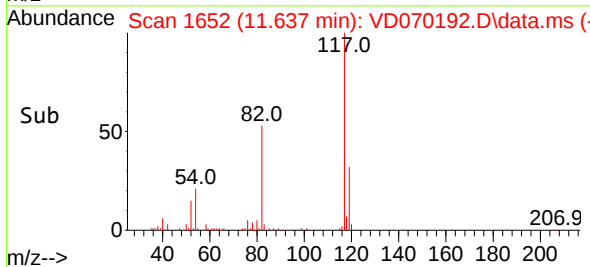
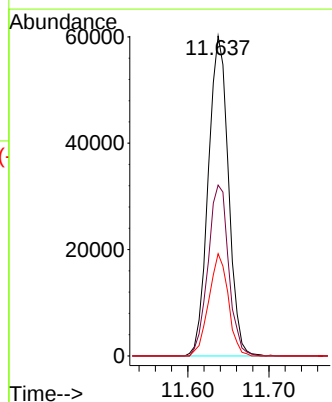
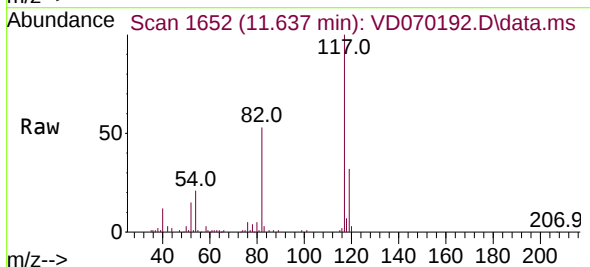
Instrument :
MSVOA_D
ClientSampleId :

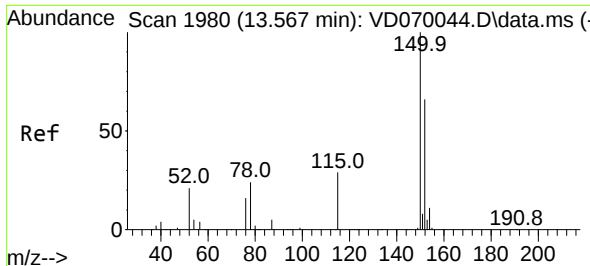
Tgt Ion: 95 Resp: 39969
Ion Ratio Lower Upper
95 100
174 80.2 0.0 141.6
176 76.1 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070192.D
Acq: 20 Aug 2021 04:43

Tgt Ion: 117 Resp: 103670
Ion Ratio Lower Upper
117 100
82 53.4 47.5 71.3
119 31.9 25.1 37.7

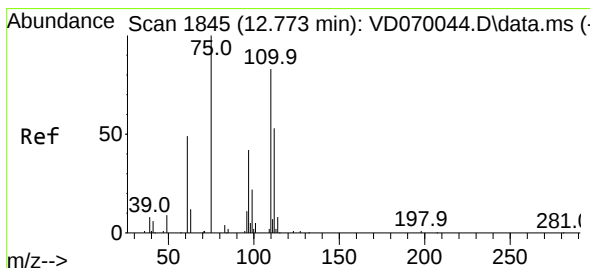
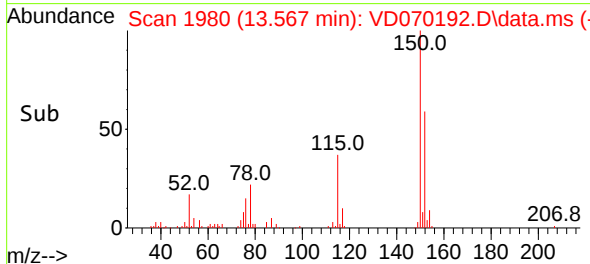
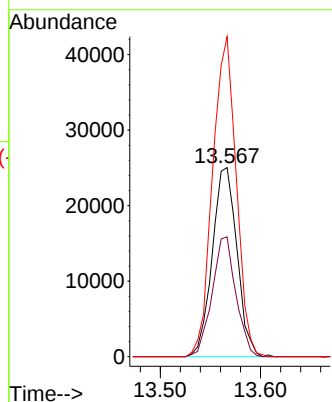
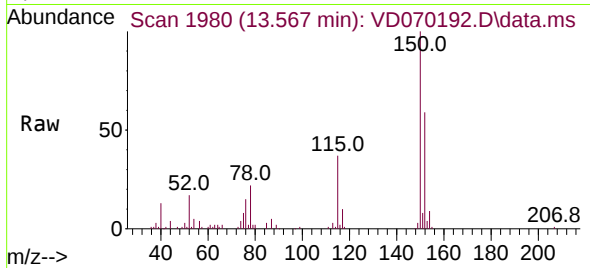




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070192.D
 Acq: 20 Aug 2021 04:43

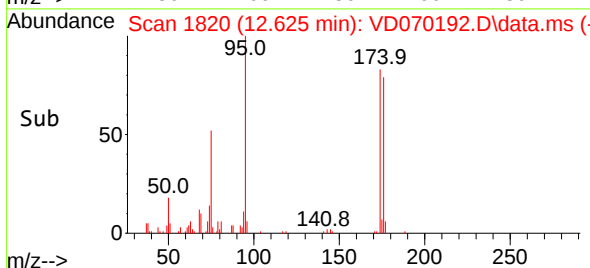
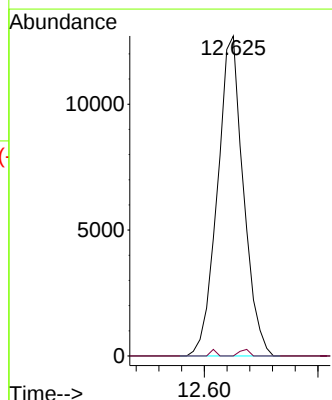
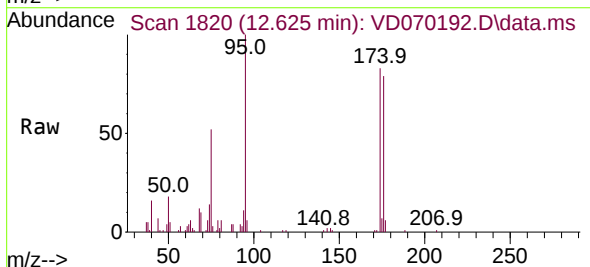
Instrument :
 MSVOA_D
 ClientSampleId :

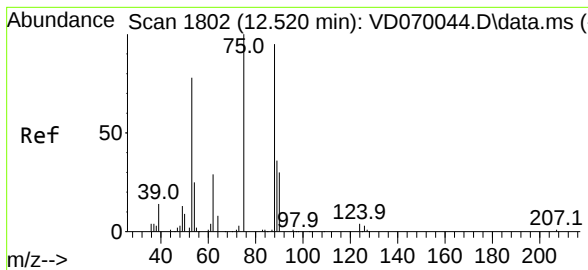
Tgt Ion:152 Resp: 42911
 Ion Ratio Lower Upper
 152 100
 115 61.0 31.2 93.6
 150 161.7 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 46.363 ug/l
 RT: 12.625 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070192.D
 Acq: 20 Aug 2021 04:43

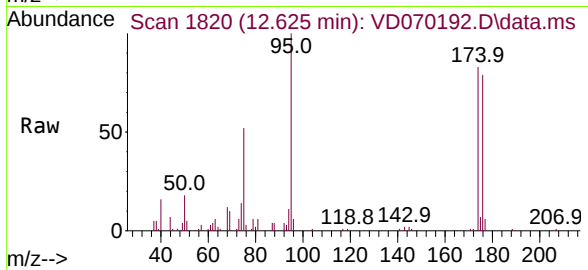
Tgt Ion: 75 Resp: 20176
 Ion Ratio Lower Upper
 75 100
 77 0.8 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.341 ug/l
 RT: 12.625 min Scan# 1820
 Delta R.T. 0.105 min
 Lab File: VD070192.D
 Acq: 20 Aug 2021 04:43

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 20176
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.5 96.7#
 89 0.0 33.7 50.5#

