

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081721\
 Data File : VD070111.D
 Acq On : 18 Aug 2021 04:05
 Operator : VA/SY
 Sample : M3430-07
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-7

Quant Time: Aug 18 04:34:27 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)

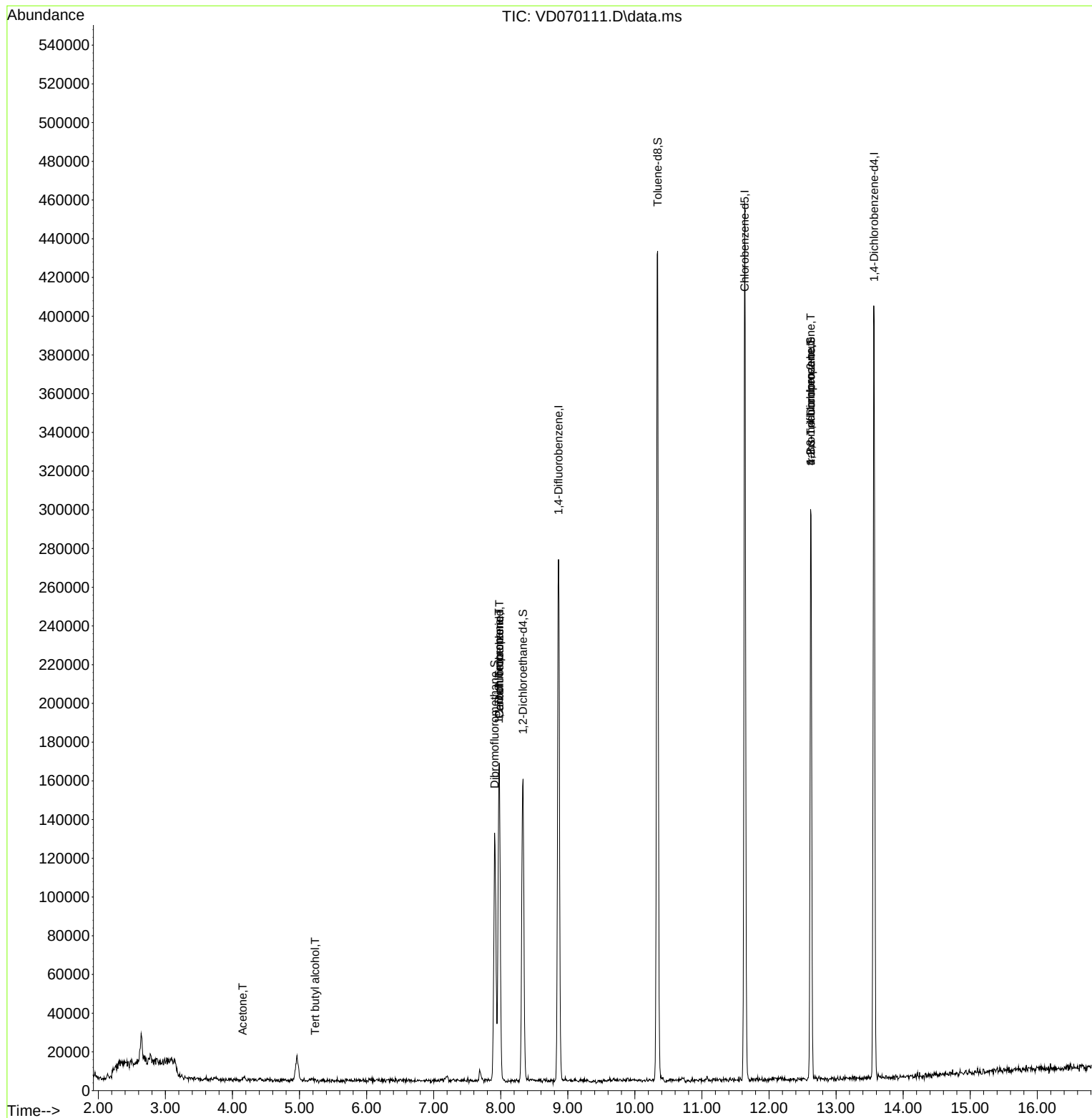
Internal Standards						
1) Pentafluorobenzene	7.979	168	118350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	229830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	256496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	110518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	123240	88.536	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 177.080%#			
35) Dibromofluoromethane	7.909	113	90891	61.212	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.420%			
50) Toluene-d8	10.338	98	304076	52.651	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.300%			
62) 4-Bromofluorobenzene	12.620	95	104543	54.958	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.920%			
Target Compounds						
3) Chloromethane	2.209	50	960	Below Cal	#	87
5) Bromomethane	2.774	94	2770	Below Cal		87
11) Tert butyl alcohol	5.232	59	121	1.573	ug/l #	71
16) Acetone	4.150	43	1222	4.766	ug/l #	59
20) Methylene Chloride	4.968	84	10199	Below Cal		83
36) 1,1-Dichloropropene	7.973	75	10552	4.268	ug/l #	47
38) Carbon Tetrachloride	7.979	117	11718	5.220	ug/l #	14
76) 1,2,3-Trichloropropane	12.620	75	50903	45.416	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	50903	117.884	ug/l #	17

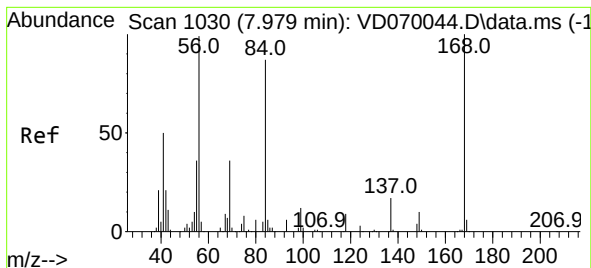
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070111.D

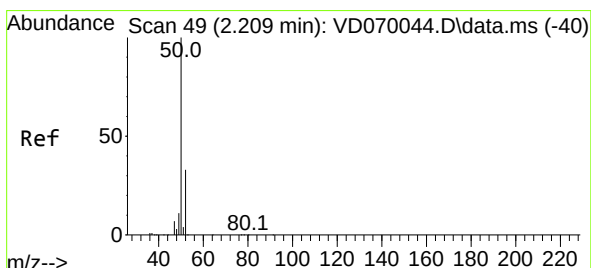
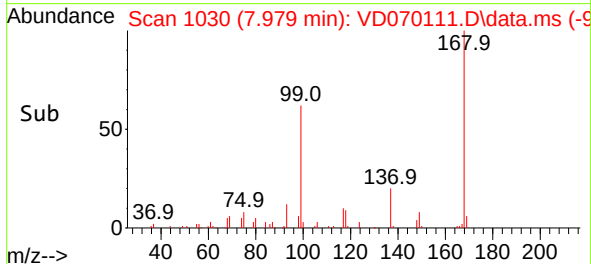
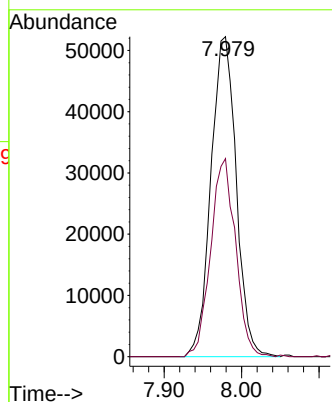
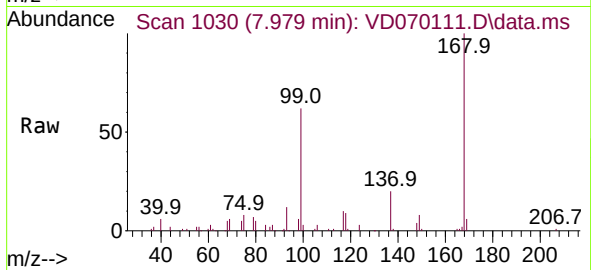
Acq: 18 Aug 2021 04:05

Tgt Ion:168 Resp: 118350

Ion Ratio Lower Upper

168 100

99 61.9 50.3 75.5



#3

Chloromethane

Concen: Below Cal

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD070111.D

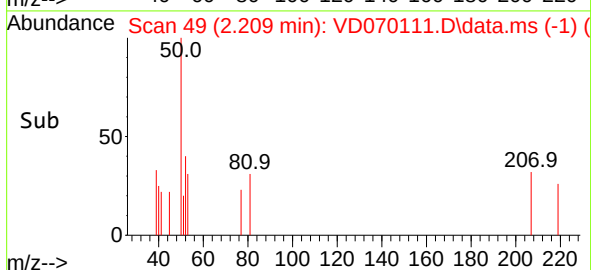
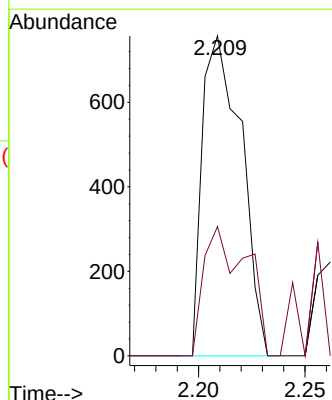
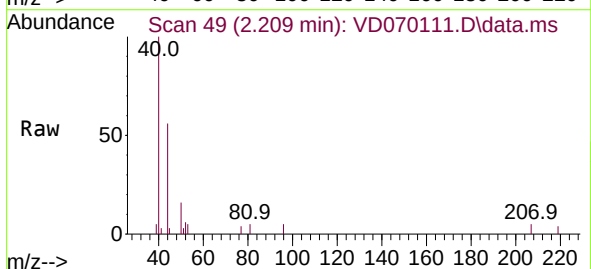
Acq: 18 Aug 2021 04:05

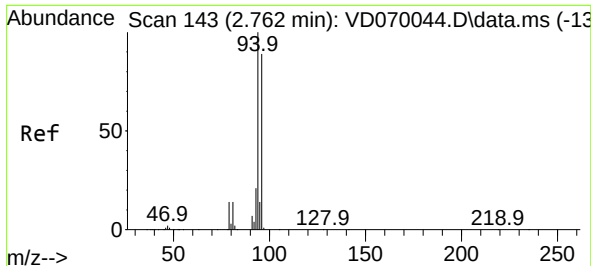
Tgt Ion: 50 Resp: 960

Ion Ratio Lower Upper

50 100

52 40.4 26.3 39.5#

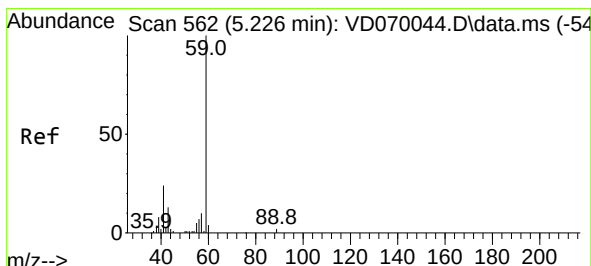
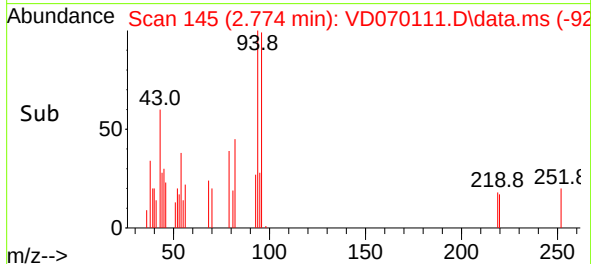
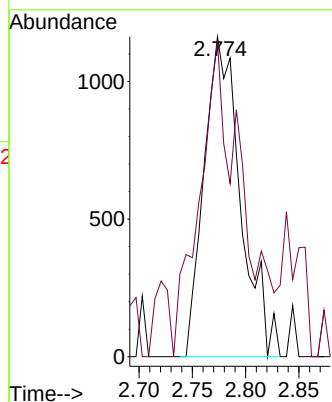
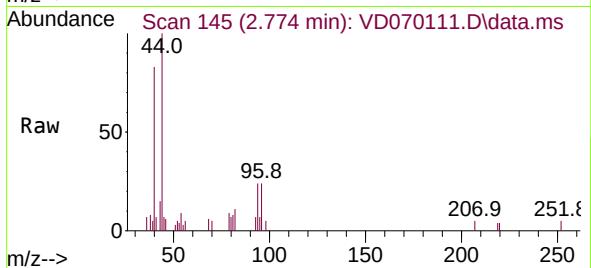




#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD070111.D
Acq: 18 Aug 2021 04:05

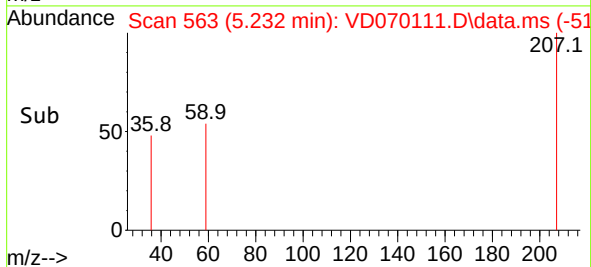
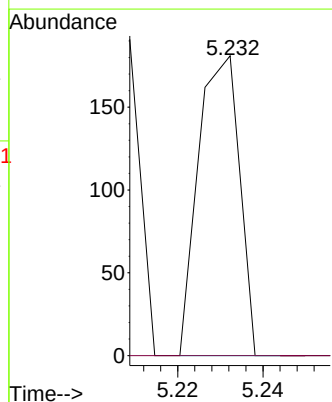
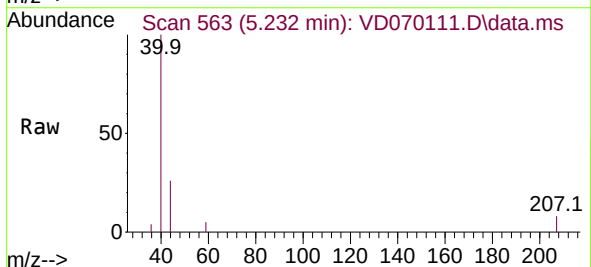
Instrument :
MSVOA_D
ClientSampleId :
PE-7

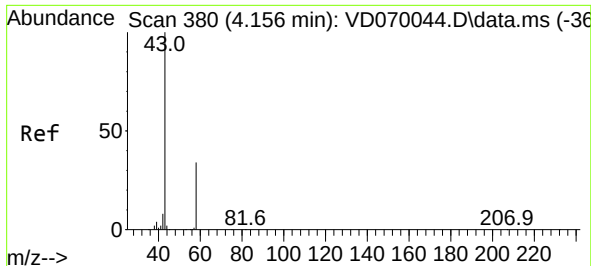
Tgt Ion: 94 Resp: 2770
Ion Ratio Lower Upper
94 100
96 76.3 70.9 106.3



#11
Tert butyl alcohol
Concen: 1.573 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.006 min
Lab File: VD070111.D
Acq: 18 Aug 2021 04:05

Tgt Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

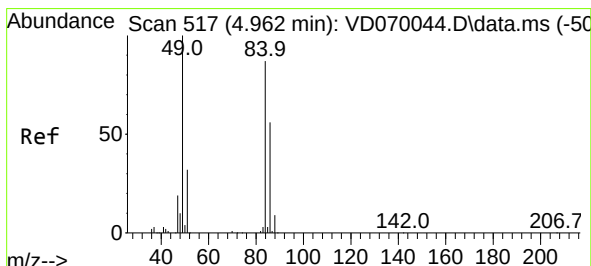
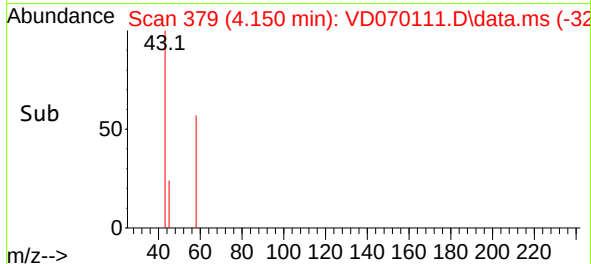
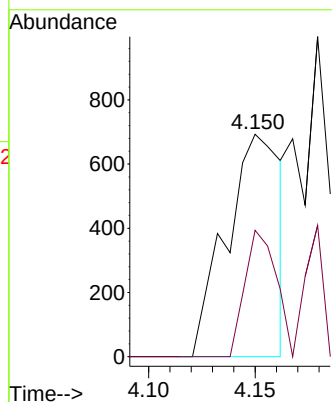
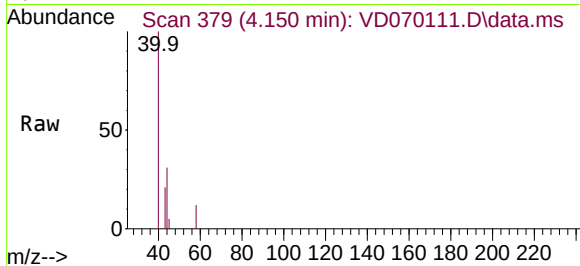




#16
Acetone
Concen: 4.766 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070111.D
Acq: 18 Aug 2021 04:05

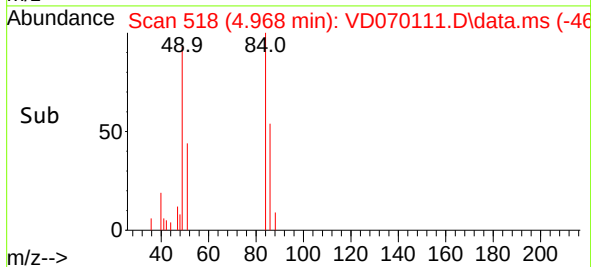
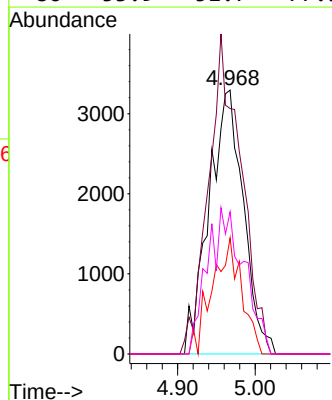
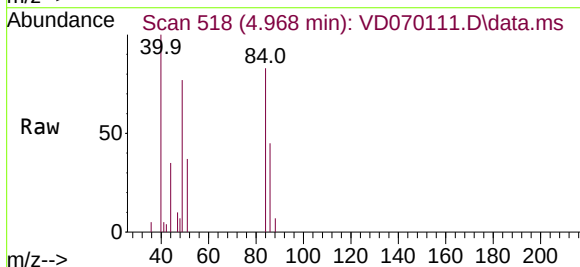
Instrument :
MSVOA_D
ClientSampleId :
PE-7

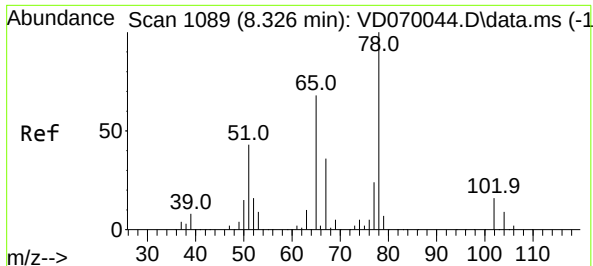
Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
58 56.9 26.8 40.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070111.D
Acq: 18 Aug 2021 04:05

Tgt Ion: 84 Resp: 10199
Ion Ratio Lower Upper
84 100
49 93.0 92.5 138.7
51 44.0 29.7 44.5
86 53.9 51.7 77.5





#33

1,2-Dichloroethane-d4

Concen: 88.536 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD070111.D

Acq: 18 Aug 2021 04:05

Tgt Ion: 65 Resp: 123240

Ion Ratio Lower Upper

65 100

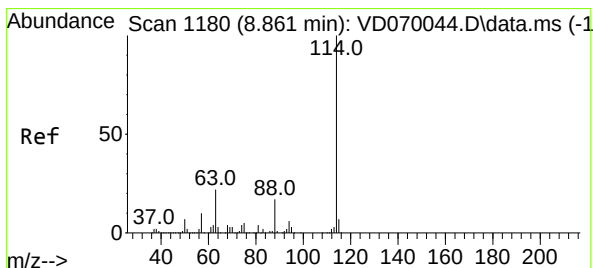
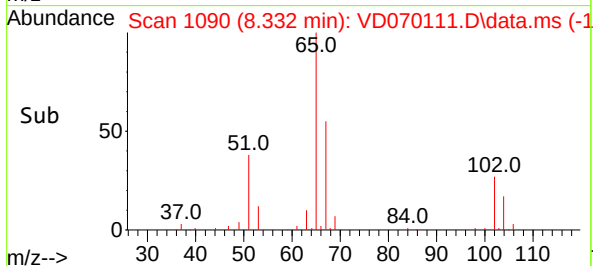
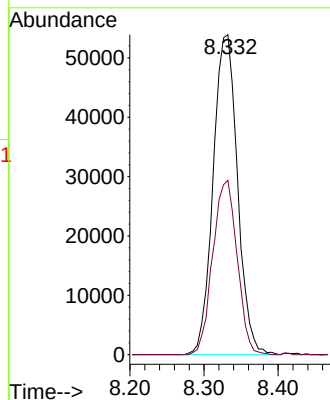
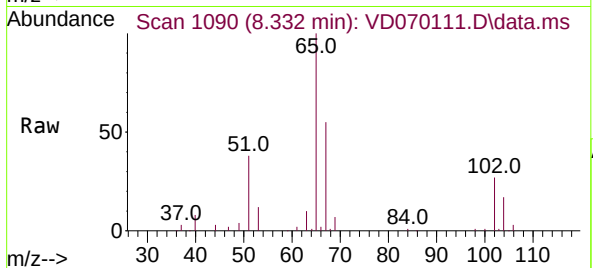
67 54.4 0.0 107.8

Instrument :

MSVOA_D

ClientSampleId :

PE-7



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070111.D

Acq: 18 Aug 2021 04:05

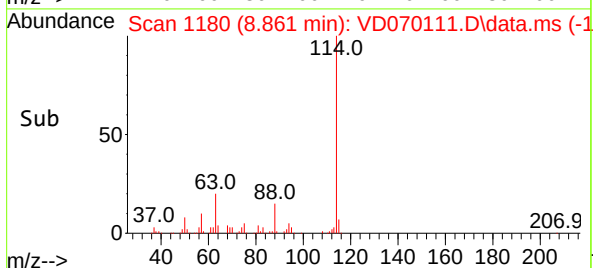
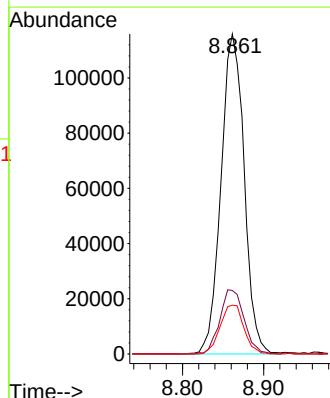
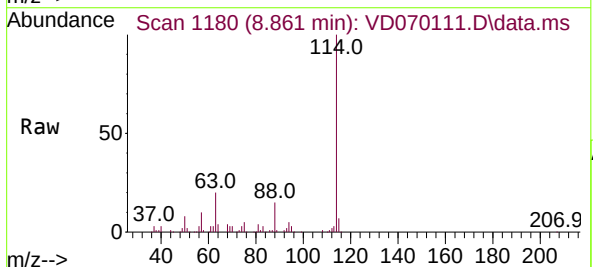
Tgt Ion: 114 Resp: 229830

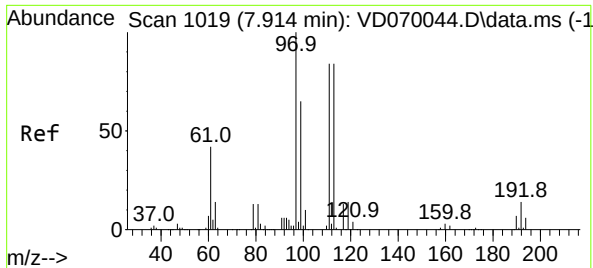
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.6

88 15.2 0.0 33.4

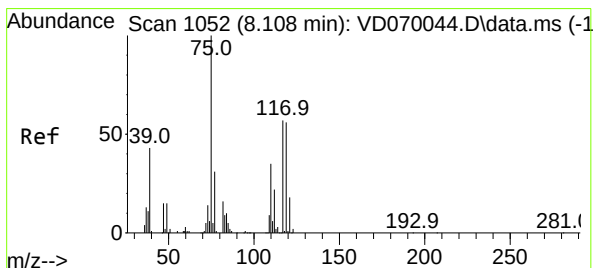
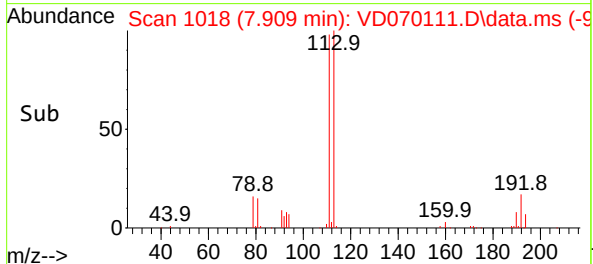
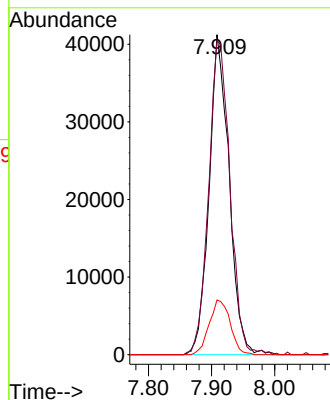
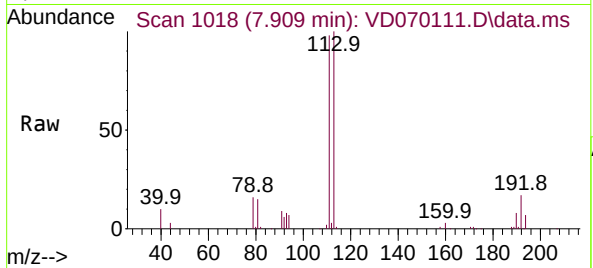




#35
Dibromofluoromethane
Concen: 61.212 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070111.D
Acq: 18 Aug 2021 04:05

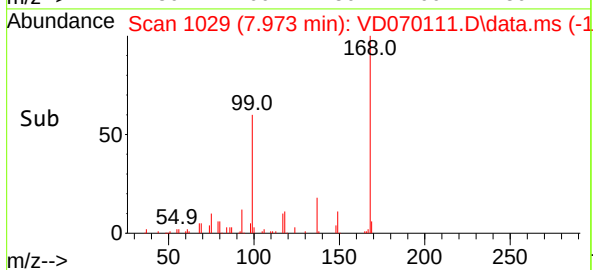
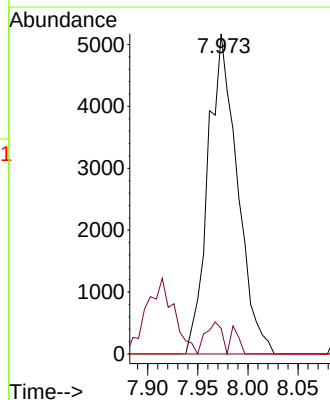
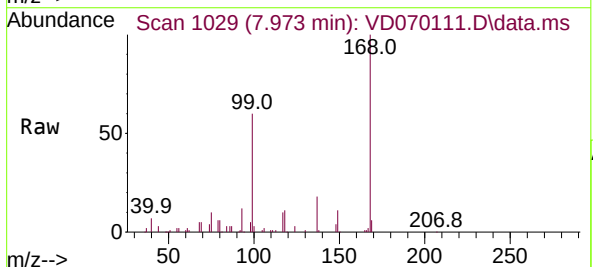
Instrument :
MSVOA_D
ClientSampleId :
PE-7

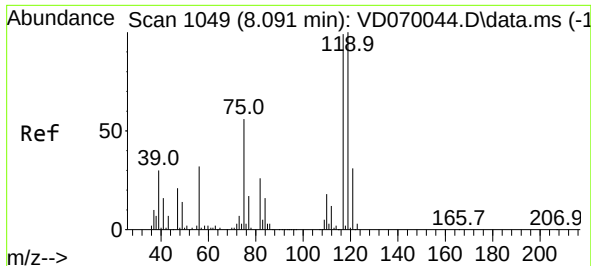
Tgt Ion:	113	Resp:	90891
Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.8	122.6
192	17.9	13.2	19.8



#36
1,1-Dichloropropene
Concen: 4.268 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070111.D
Acq: 18 Aug 2021 04:05

Tgt Ion:	75	Resp:	10552
Ion	Ratio	Lower	Upper
75	100		
110	5.5	16.9	50.7#
77	0.0	25.2	37.8#

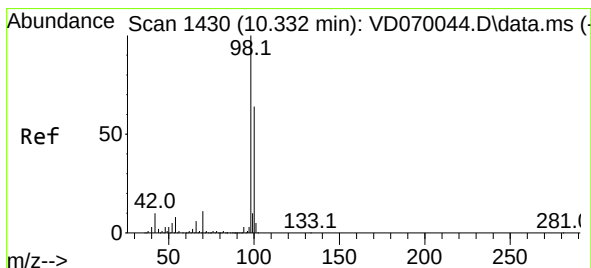
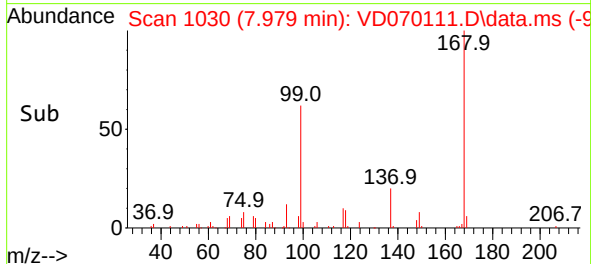
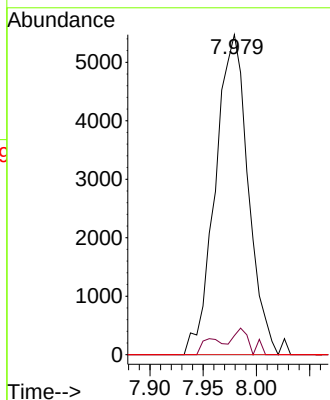
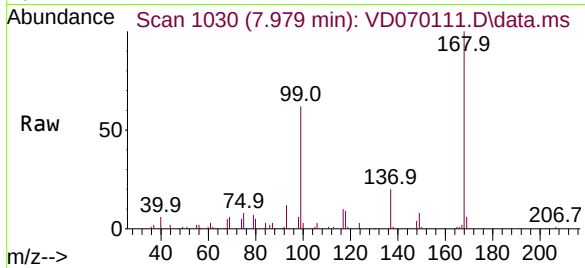




#38
Carbon Tetrachloride
Concen: 5.220 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070111.D
Acq: 18 Aug 2021 04:05

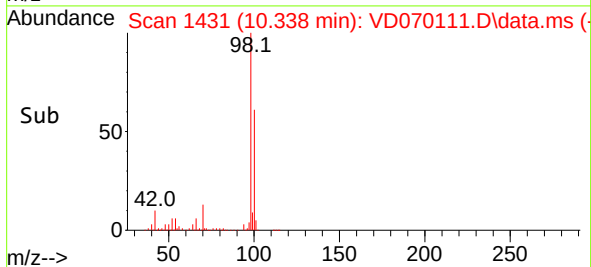
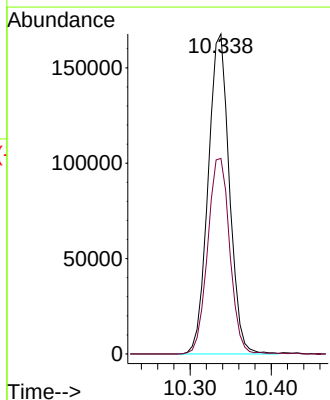
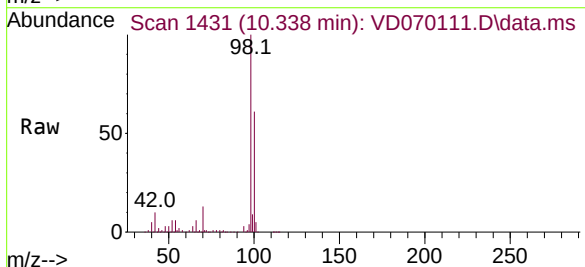
Instrument :
MSVOA_D
ClientSampled :
PE-7

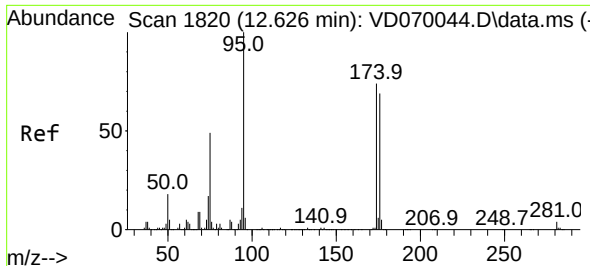
Tgt Ion:117 Resp: 11718
Ion Ratio Lower Upper
117 100
119 6.0 81.0 121.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 52.651 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070111.D
Acq: 18 Aug 2021 04:05

Tgt Ion: 98 Resp: 304076
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8

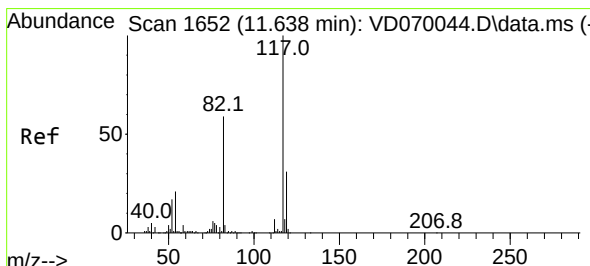
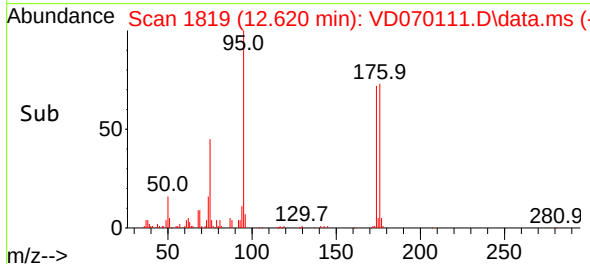
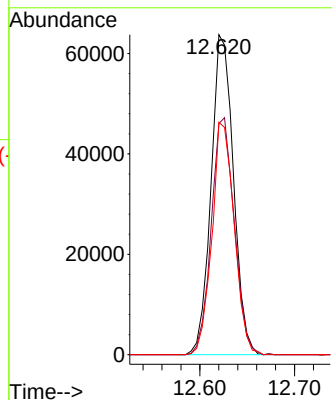
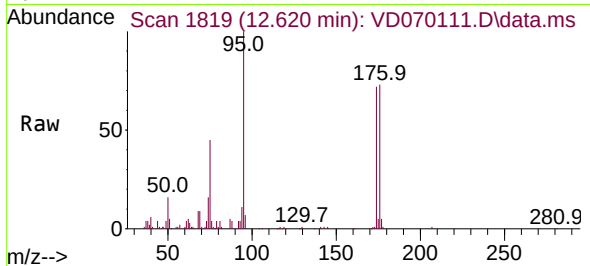




#62
4-Bromofluorobenzene
Concen: 54.958 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070111.D
Acq: 18 Aug 2021 04:05

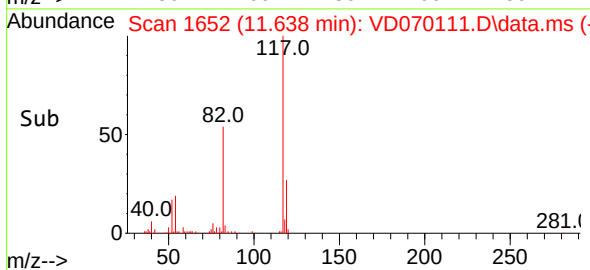
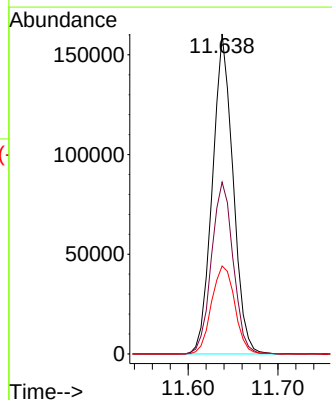
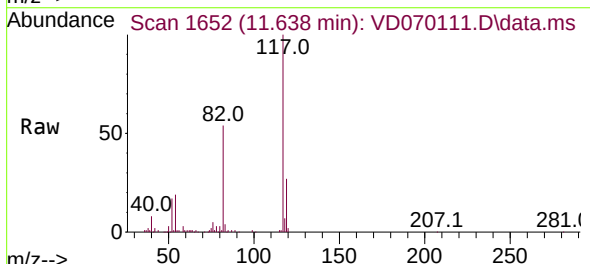
Instrument :
MSVOA_D
ClientSampleId :
PE-7

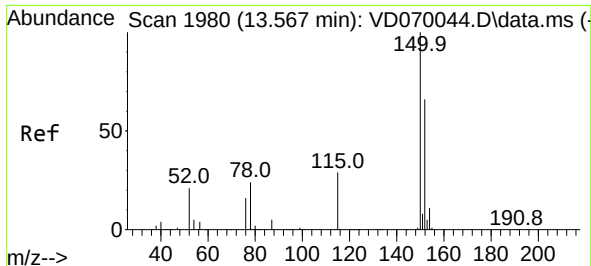
Tgt Ion: 95 Resp: 104543
Ion Ratio Lower Upper
95 100
174 76.1 0.0 141.6
176 72.2 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070111.D
Acq: 18 Aug 2021 04:05

Tgt Ion: 117 Resp: 256496
Ion Ratio Lower Upper
117 100
82 53.7 47.5 71.3
119 27.5 25.1 37.7

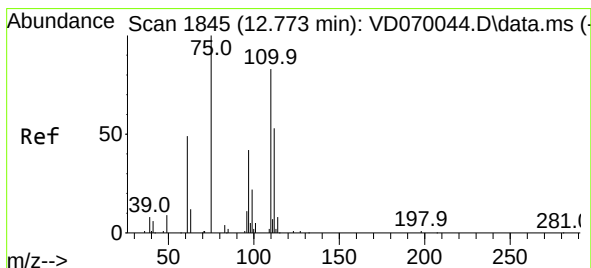
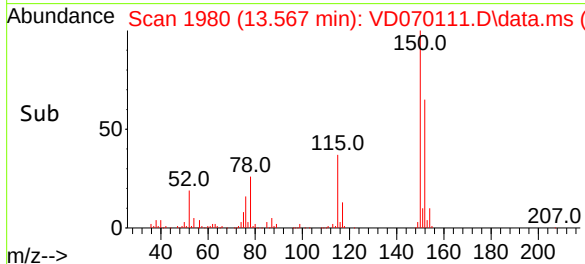
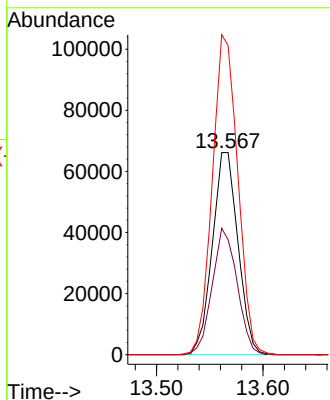
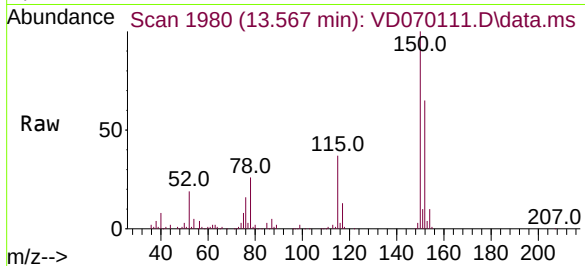




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070111.D
Acq: 18 Aug 2021 04:05

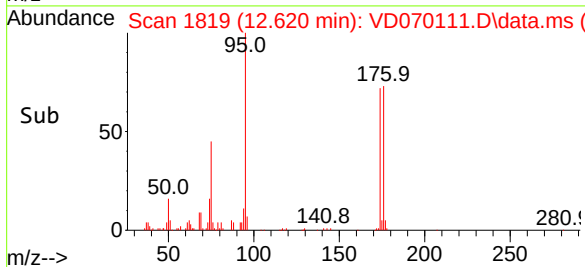
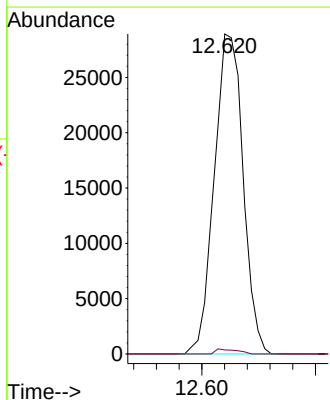
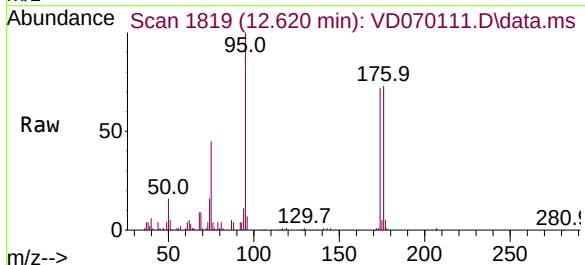
Instrument :
MSVOA_D
ClientSampleId :
PE-7

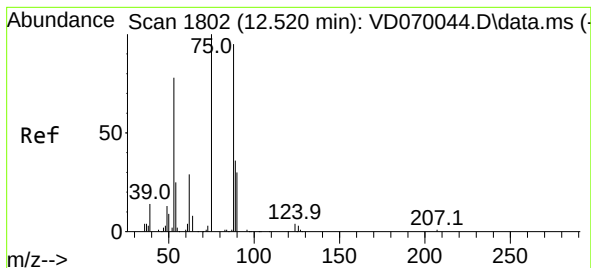
Tgt Ion:152 Resp: 110518
Ion Ratio Lower Upper
152 100
115 60.9 31.2 93.6
150 157.2 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 45.416 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070111.D
Acq: 18 Aug 2021 04:05

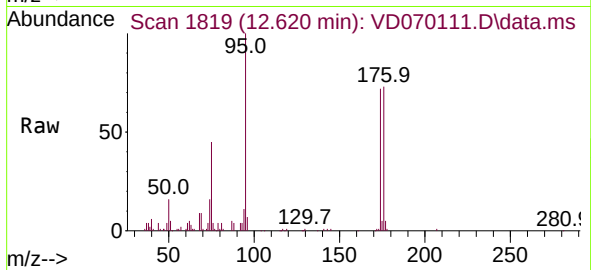
Tgt Ion: 75 Resp: 50903
Ion Ratio Lower Upper
75 100
77 1.2 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.884 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD070111.D
 Acq: 18 Aug 2021 04:05

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-7



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

