

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
 Data File : VD070656.D
 Acq On : 11 Oct 2021 13:19
 Operator : VA/SY
 Sample : M4136-01
 Misc : 5.94G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC124055

Quant Time: Oct 12 05:39:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

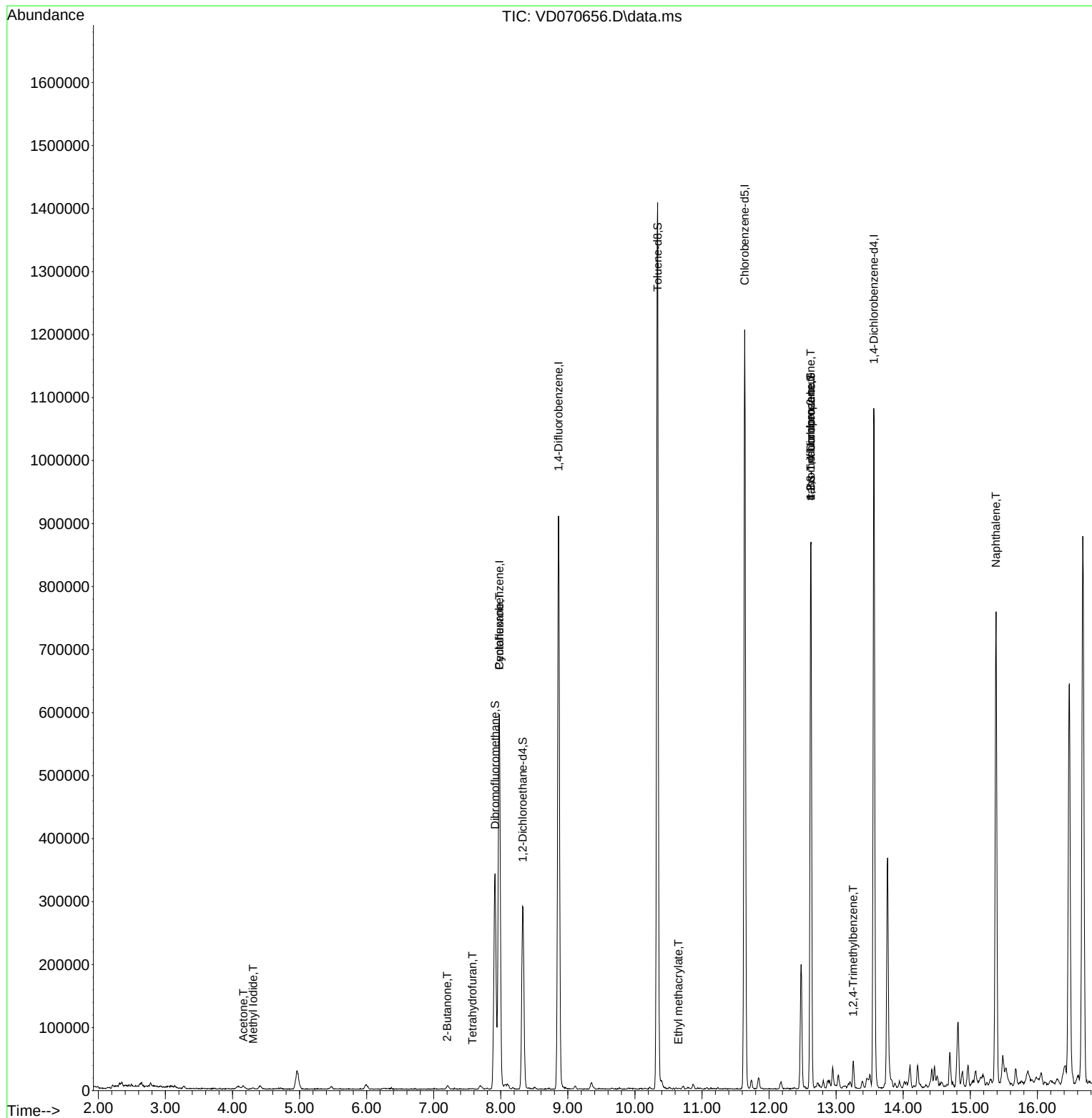
Internal Standards						
1) Pentafluorobenzene	7.979	168	412346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	781658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	710890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	288924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	236740	48.785	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.560%		
35) Dibromofluoromethane	7.914	113	251716	48.436	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.880%		
50) Toluene-d8	10.337	98	989612	49.812	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.620%		
62) 4-Bromofluorobenzene	12.620	95	322825	48.618	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.240%		
Target Compounds						Qvalue
5) Bromomethane	2.779	94	3272	Below Cal		91
10) Methyl Iodide	4.308	142	2315	1.143 ug/l #		68
16) Acetone	4.161	43	8242	10.002 ug/l #		85
20) Methylene Chloride	4.967	84	24259	Below Cal		95
25) 2-Butanone	7.202	43	2468	2.287 ug/l		89
29) Tetrahydrofuran	7.579	42	794	1.142 ug/l #		52
31) Cyclohexane	7.979	56	11855	1.319 ug/l #		18
56) Ethyl methacrylate	10.649	69	843	1.531 ug/l #		87
59) 2-Hexanone	10.984	43	1076	Below Cal		85
76) 1,2,3-Trichloropropane	12.620	75	154777	59.186 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	154777	131.404 ug/l #		17
84) 1,2,4-Trimethylbenzene	13.255	105	21884	1.224 ug/l		93
95) Naphthalene	15.384	128	642587	69.132 ug/l		100

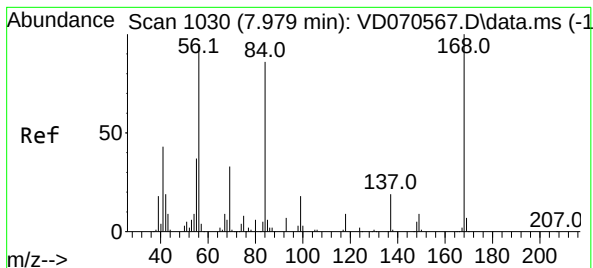
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 06 09:10:31 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: VD070656.D

Acq: 11 Oct 2021 13:19

Instrument :

MSVOA_D

ClientSampleId :

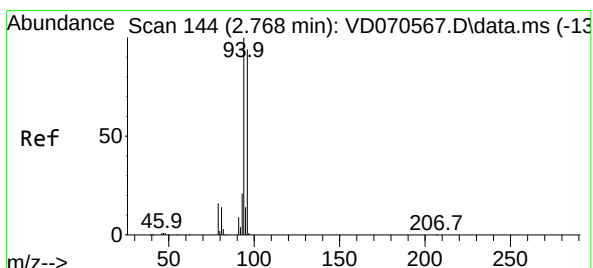
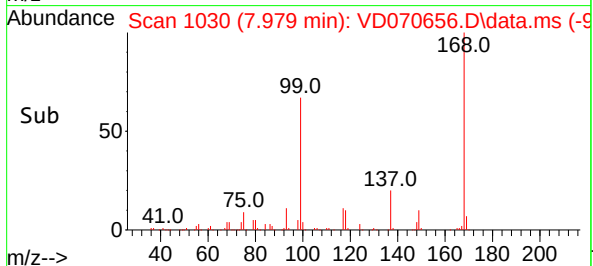
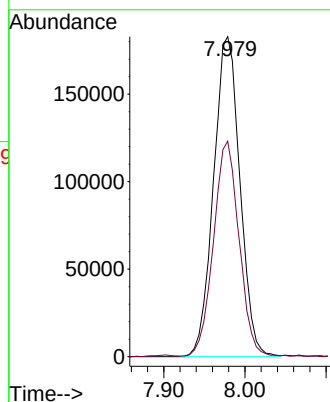
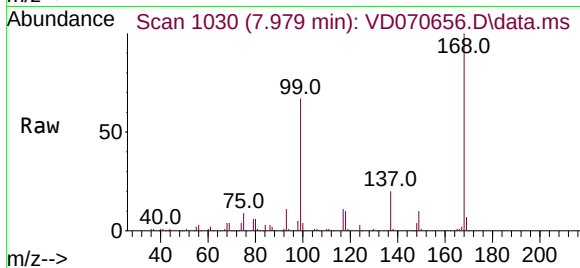
PSC124055

Tgt Ion:168 Resp: 412346

Ion Ratio Lower Upper

168 100

99 67.1 51.4 77.0



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.011 min

Lab File: VD070656.D

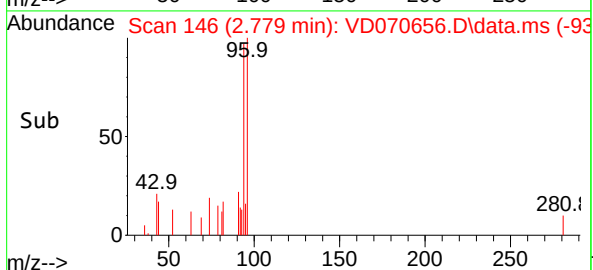
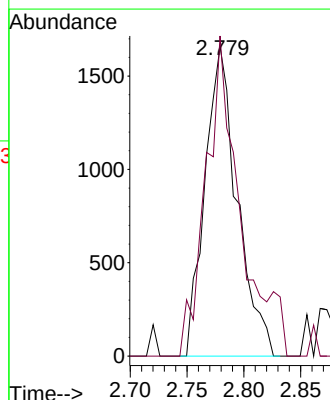
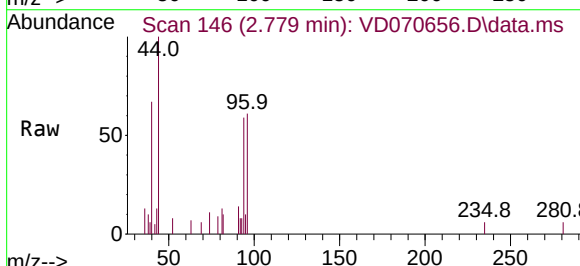
Acq: 11 Oct 2021 13:19

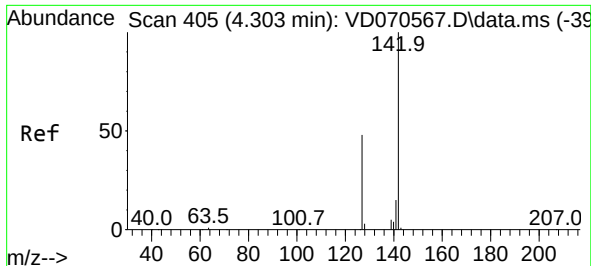
Tgt Ion: 94 Resp: 3272

Ion Ratio Lower Upper

94 100

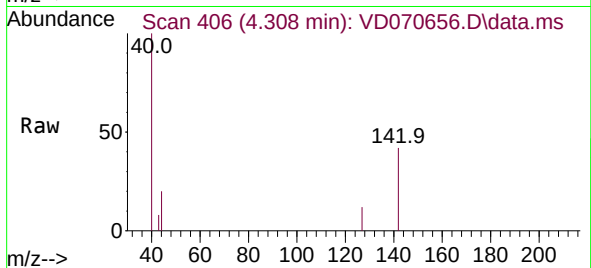
96 103.4 75.5 113.3



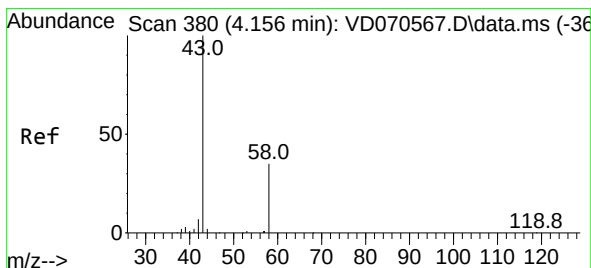
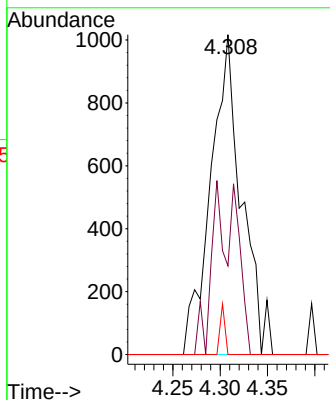
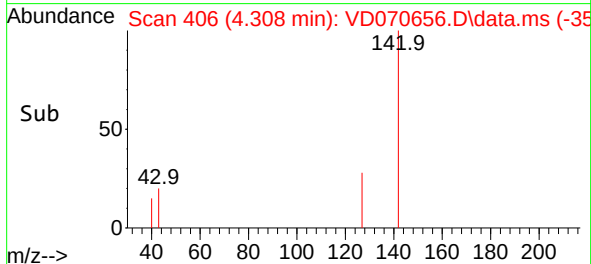


#10
Methyl Iodide
Concen: 1.143 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.005 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19

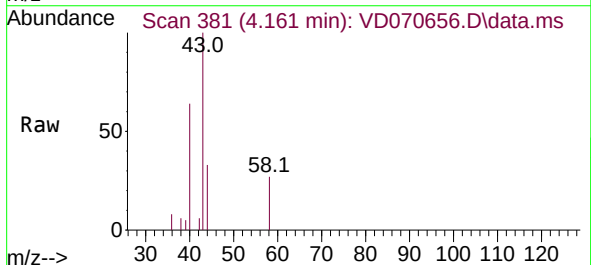
Instrument :
MSVOA_D
ClientSampleId :
PSC124055



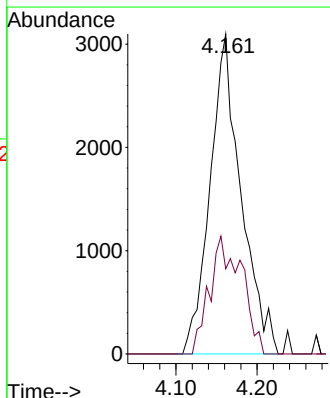
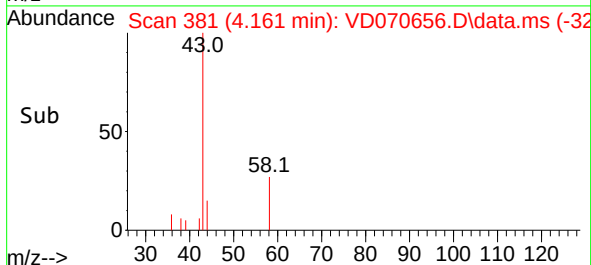
Tgt Ion:142 Resp: 2315
Ion Ratio Lower Upper
142 100
127 25.0 37.5 56.3#
141 2.5 12.1 18.1#

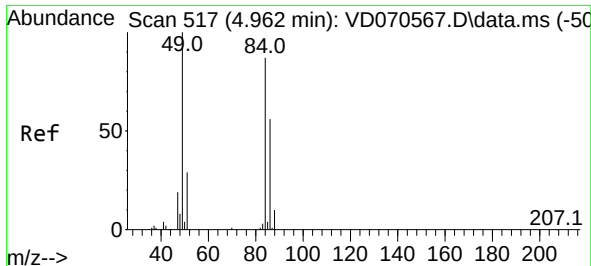


#16
Acetone
Concen: 10.002 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19



Tgt Ion: 43 Resp: 8242
Ion Ratio Lower Upper
43 100
58 26.6 28.2 42.2#

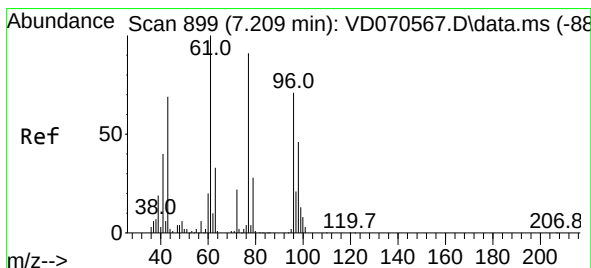
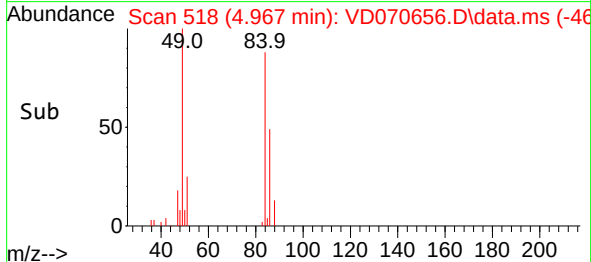
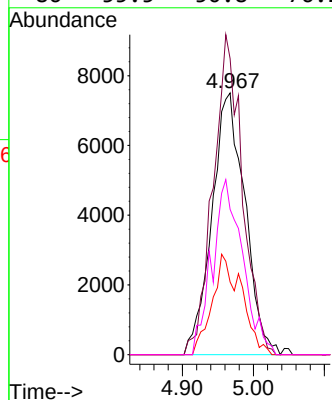
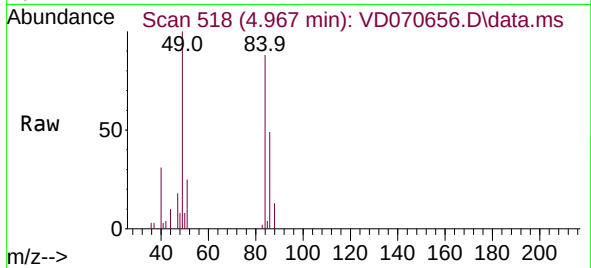




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19

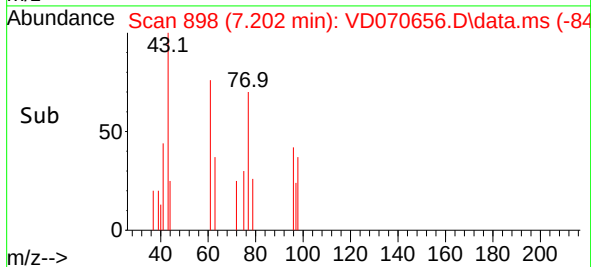
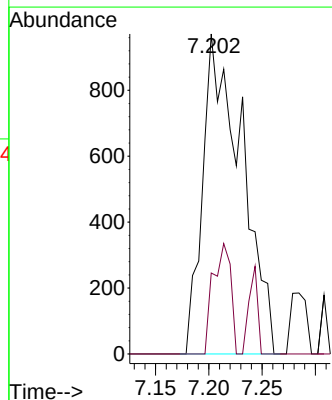
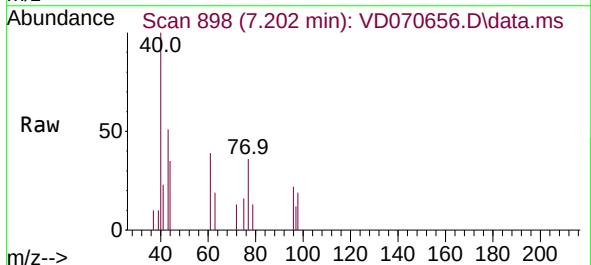
Instrument :
MSVOA_D
ClientSampleId :
PSC124055

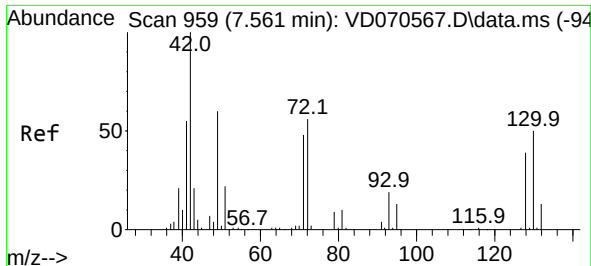
Tgt Ion:	84	Resp:	24259
Ion	Ratio	Lower	Upper
84	100		
49	113.1	91.4	137.2
51	27.8	26.7	40.1
86	55.5	50.8	76.2



#25
2-Butanone
Concen: 2.287 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19

Tgt Ion:	43	Resp:	2468
Ion	Ratio	Lower	Upper
43	100		
72	25.3	25.2	37.8





#29

Tetrahydrofuran

Concen: 1.142 ug/l

RT: 7.579 min Scan# 962

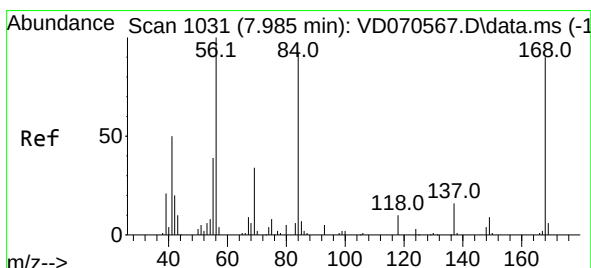
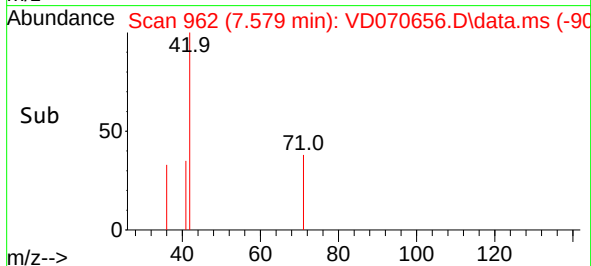
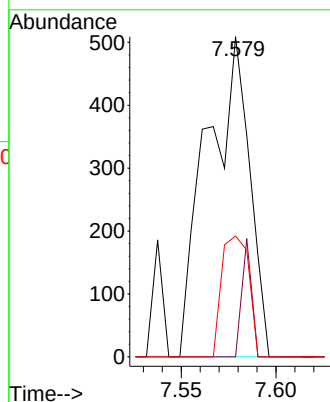
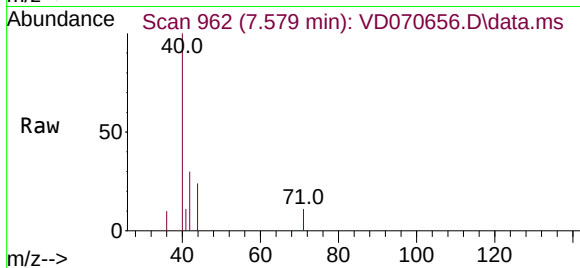
Delta R.T. 0.017 min

Lab File: VD070656.D

Acq: 11 Oct 2021 13:19

Tgt Ion:	42	Resp:	794
Ion	Ratio	Lower	Upper
42	100		
72	8.3	40.2	60.4#
71	24.1	37.2	55.8#

Instrument :
MSVOA_D
ClientSampleId :
PSC124055



#31

Cyclohexane

Concen: 1.319 ug/l

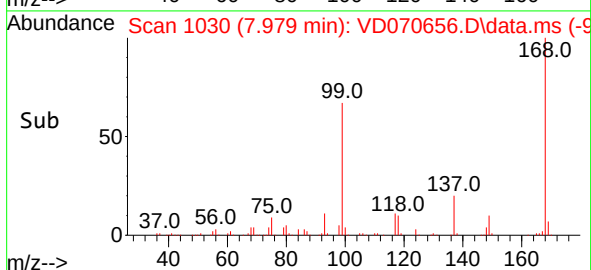
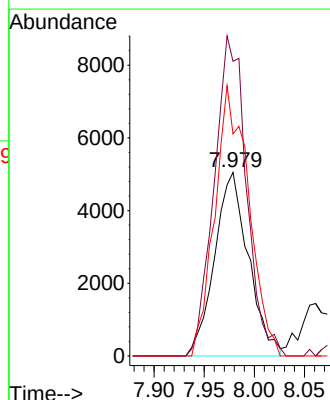
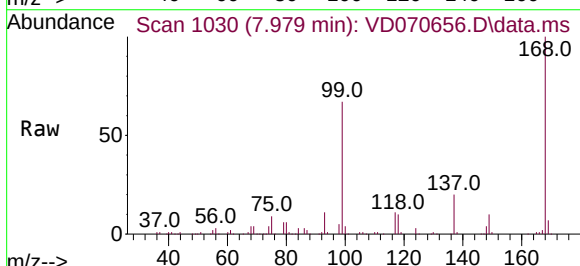
RT: 7.979 min Scan# 1030

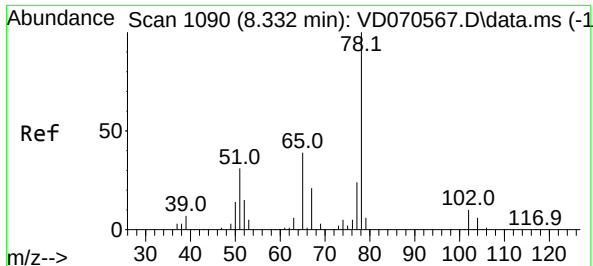
Delta R.T. -0.006 min

Lab File: VD070656.D

Acq: 11 Oct 2021 13:19

Tgt Ion:	56	Resp:	11855
Ion	Ratio	Lower	Upper
56	100		
69	160.6	27.4	41.2#
84	121.0	73.6	110.4#



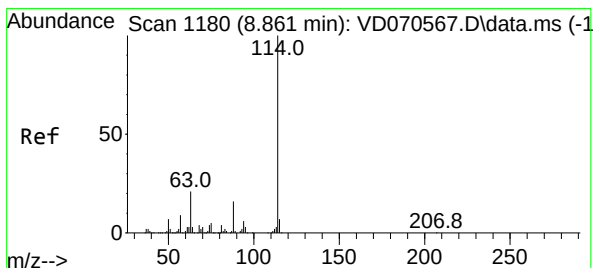
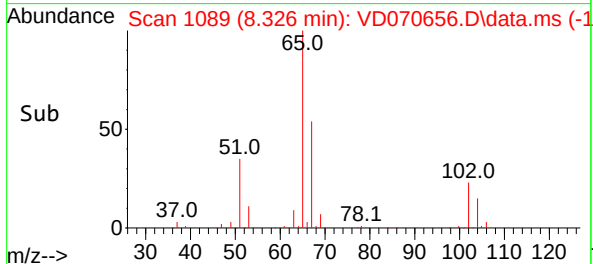
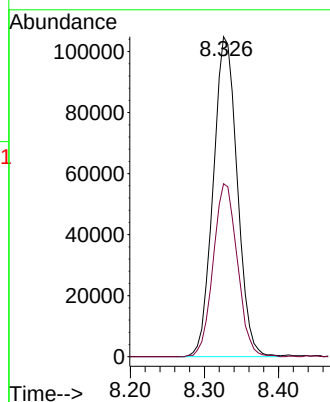
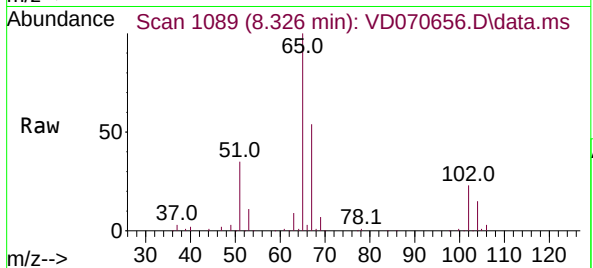


#33

1,2-Dichloroethane-d4
Concen: 48.785 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19

Instrument :
MSVOA_D
ClientSampleId :
PSC124055

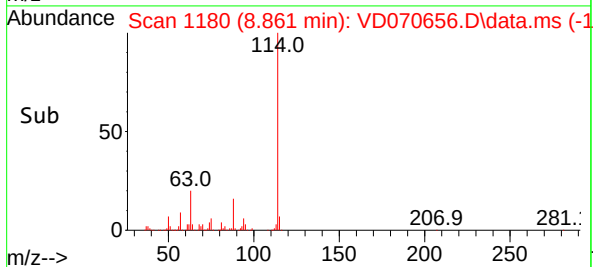
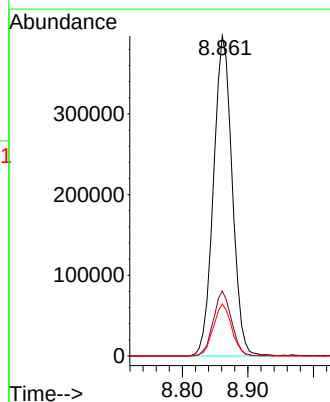
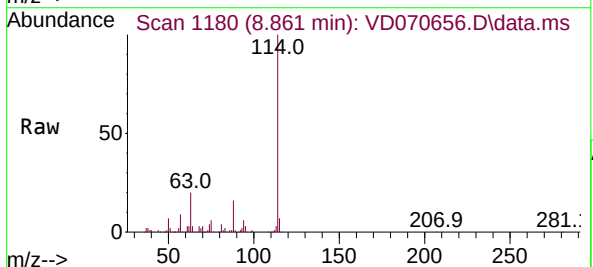
Tgt Ion: 65 Resp: 236740
Ion Ratio Lower Upper
65 100
67 54.3 0.0 110.2

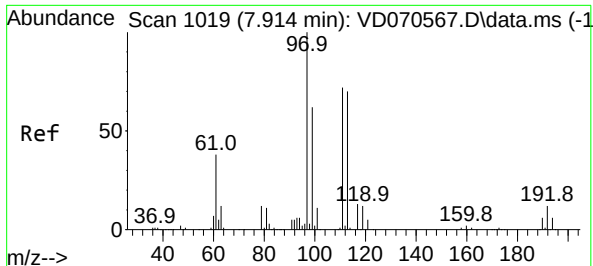


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19

Tgt Ion:114 Resp: 781658
Ion Ratio Lower Upper
114 100
63 20.3 0.0 41.8
88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.436 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070656.D

Acq: 11 Oct 2021 13:19

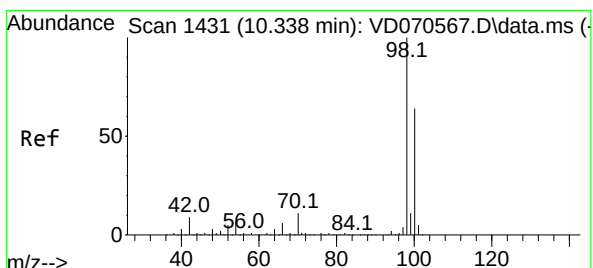
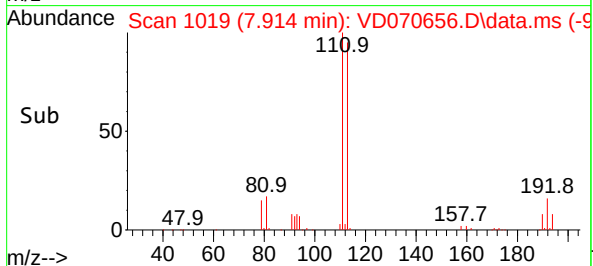
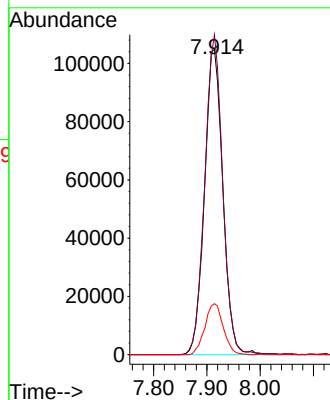
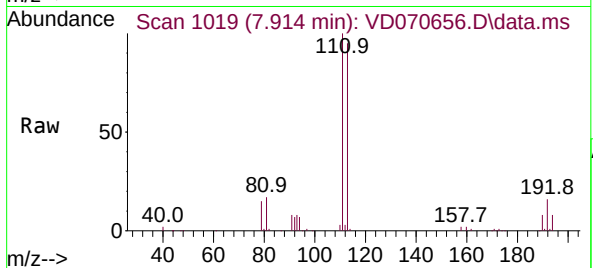
Tgt Ion:113 Resp: 251716

Ion Ratio Lower Upper

113 100

111 102.2 83.1 124.7

192 16.7 12.7 19.1



#50

Toluene-d8

Concen: 49.812 ug/l

RT: 10.337 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD070656.D

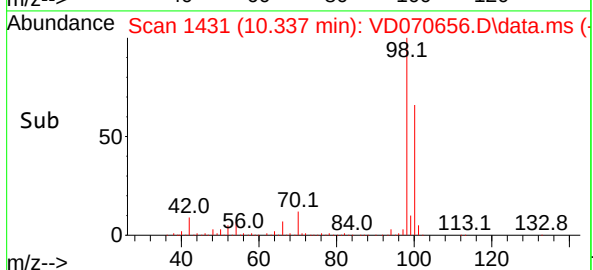
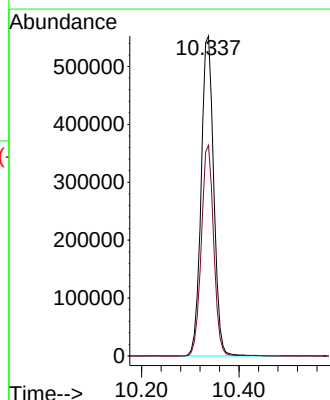
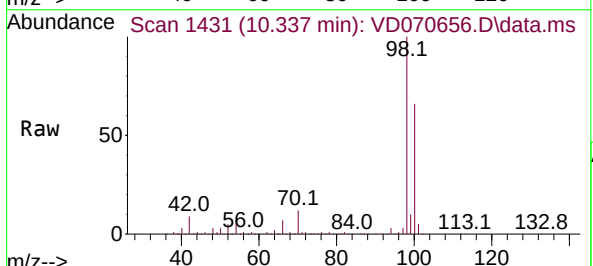
Acq: 11 Oct 2021 13:19

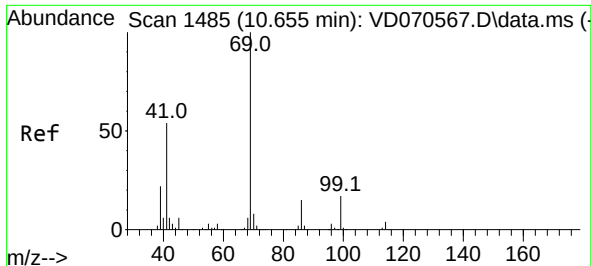
Tgt Ion: 98 Resp: 989612

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4

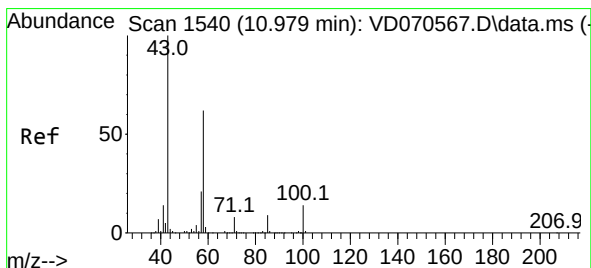
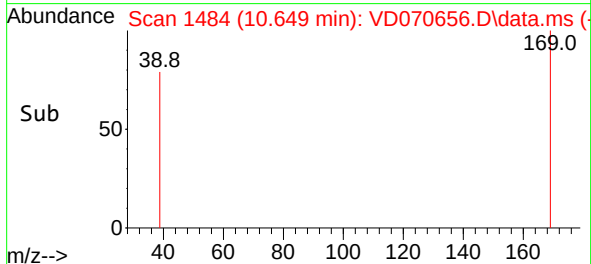
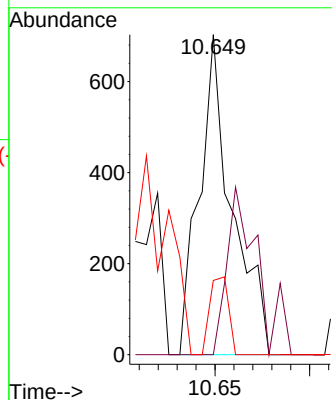
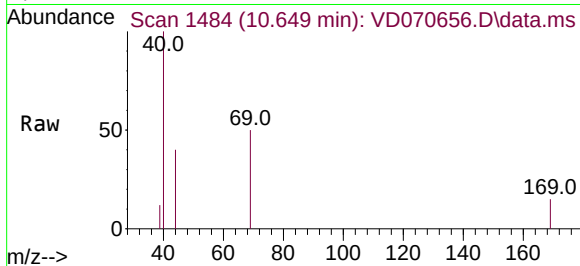




#56
Ethyl methacrylate
Concen: 1.531 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19

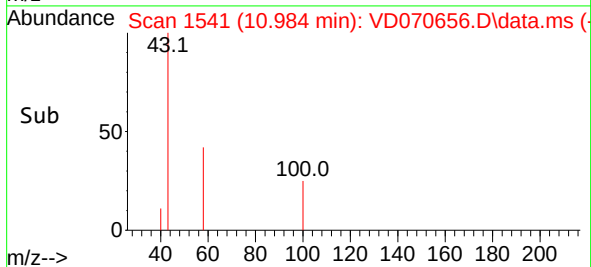
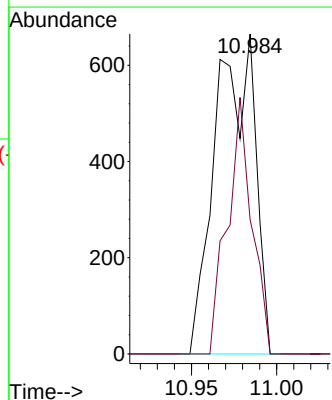
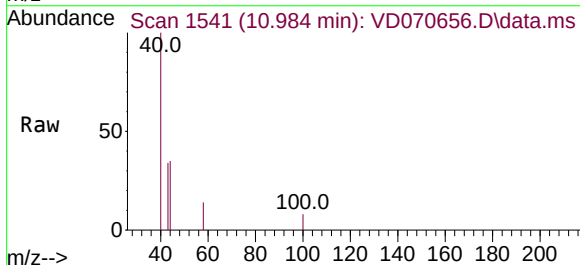
Instrument :
MSVOA_D
ClientSampleId :
PSC124055

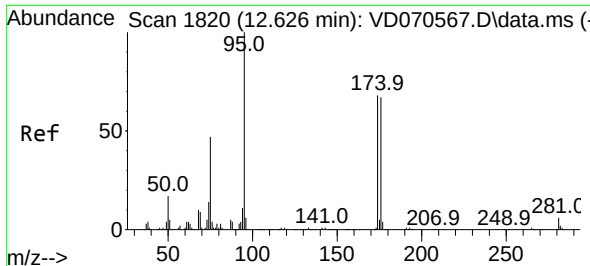
Tgt Ion:	69	Resp:	843
Ion	Ratio	Lower	Upper
69	100		
41	49.3	44.7	67.1
39	14.0	19.5	29.3#



#59
2-Hexanone
Concen: Below Cal
RT: 10.984 min Scan# 1541
Delta R.T. 0.005 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19

Tgt Ion:	43	Resp:	1076
Ion	Ratio	Lower	Upper
43	100		
58	49.2	30.4	91.3

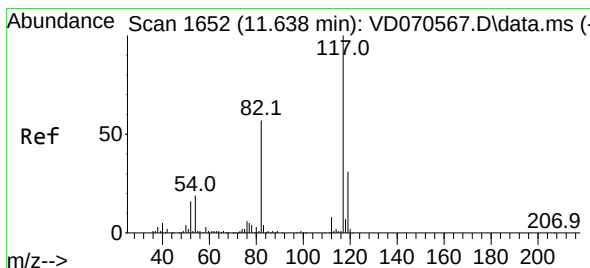
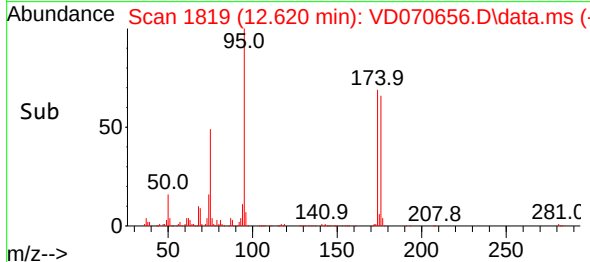
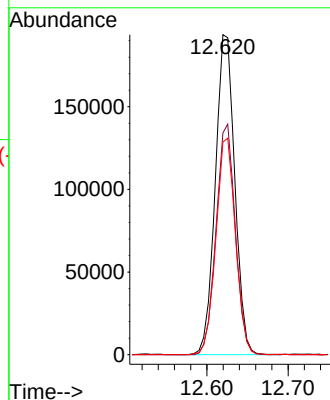
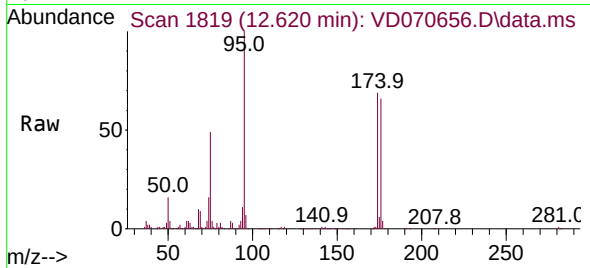




#62
4-Bromofluorobenzene
Concen: 48.618 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19

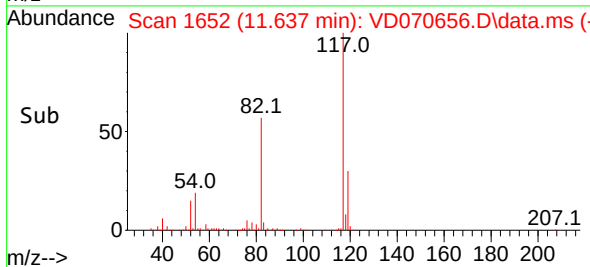
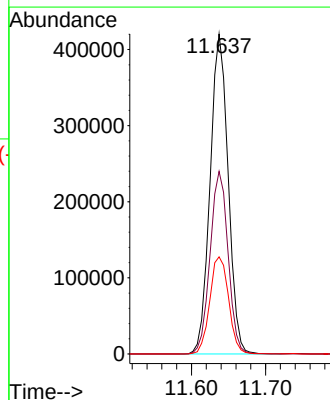
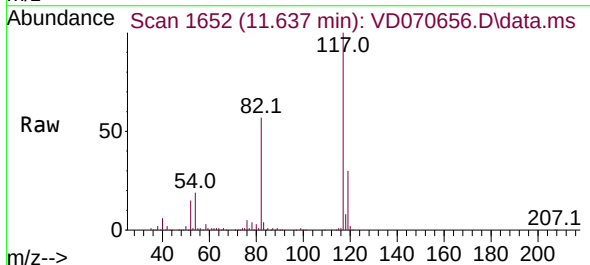
Instrument :
MSVOA_D
ClientSampleId :
PSC124055

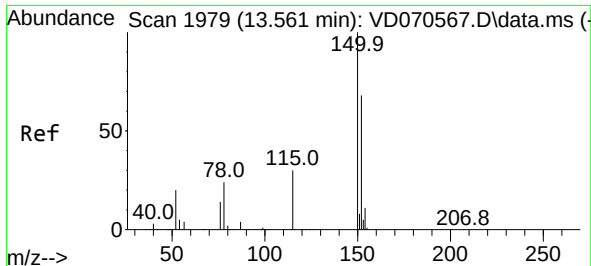
Tgt Ion: 95 Resp: 322825
Ion Ratio Lower Upper
95 100
174 71.1 0.0 138.0
176 67.9 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19

Tgt Ion: 117 Resp: 710890
Ion Ratio Lower Upper
117 100
82 57.0 45.4 68.2
119 30.4 24.7 37.1

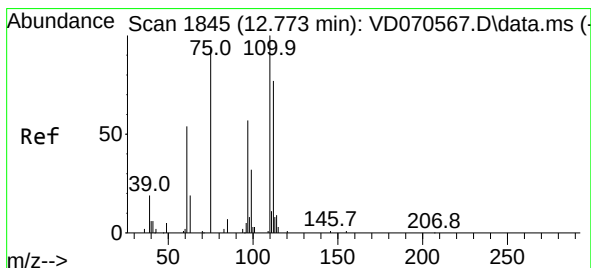
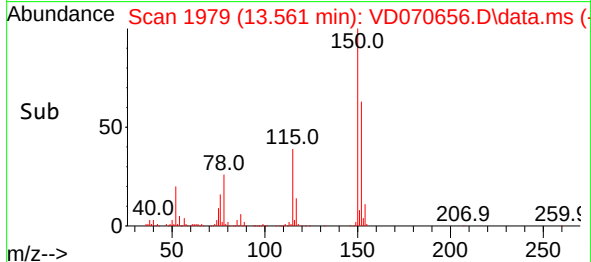
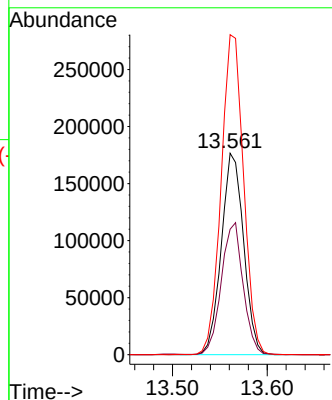
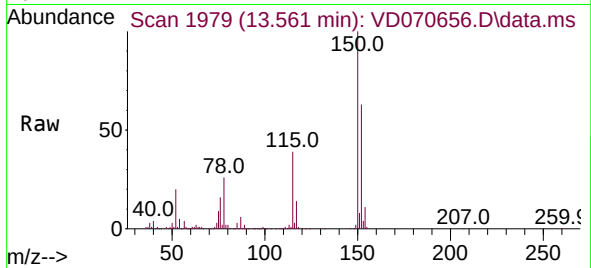




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19

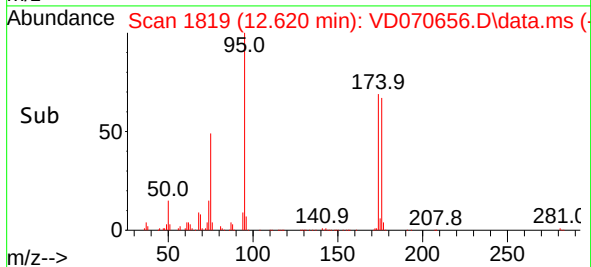
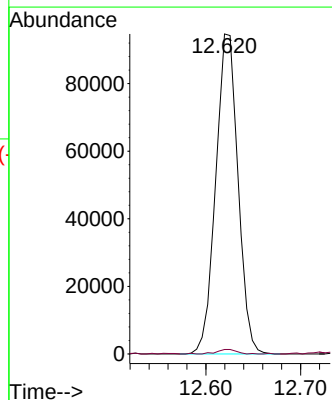
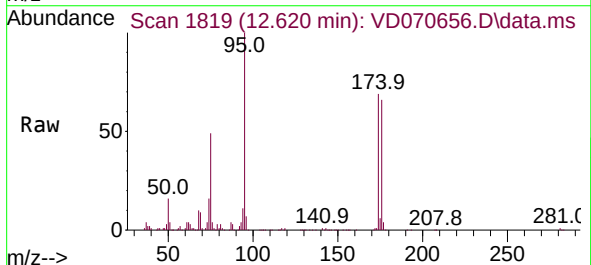
Instrument :
MSVOA_D
ClientSampleId :
PSC124055

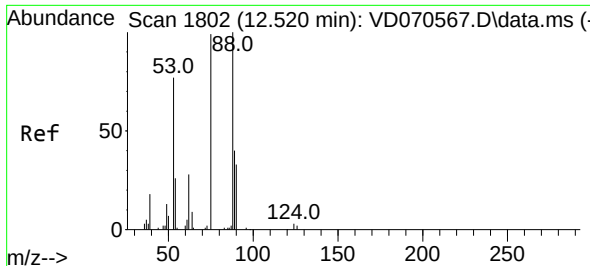
Tgt Ion:152 Resp: 288924
Ion Ratio Lower Upper
152 100
115 64.2 31.9 95.7
150 159.9 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 59.186 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19

Tgt Ion: 75 Resp: 154777
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

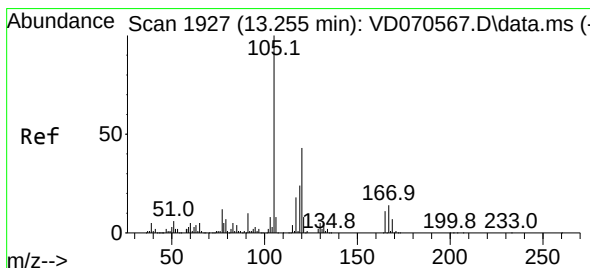
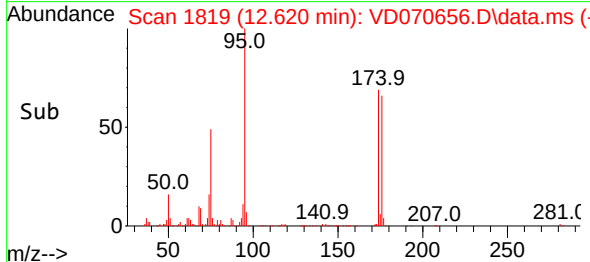
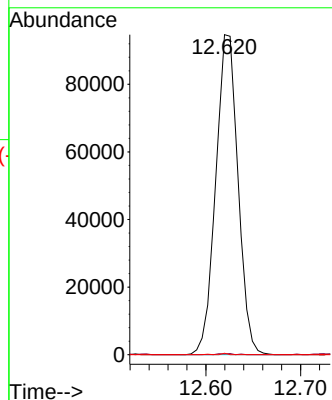
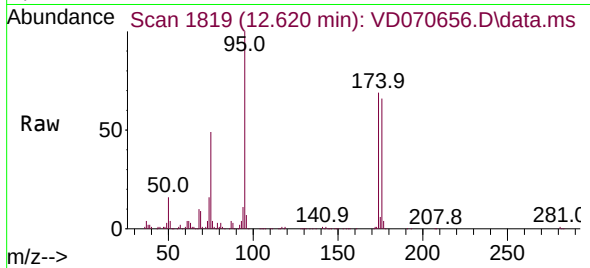




#81
trans-1,4-Dichloro-2-butene
Concen: 131.404 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19

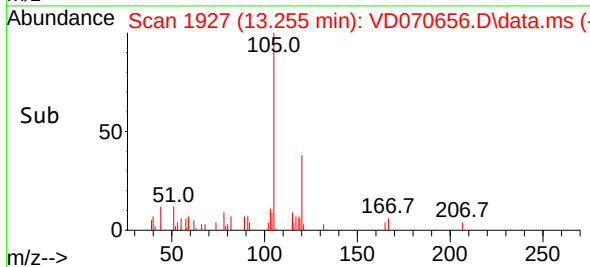
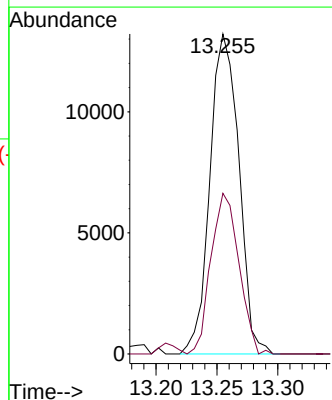
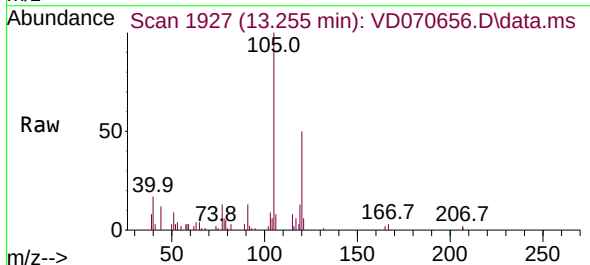
Instrument :
MSVOA_D
ClientSampleId :
PSC124055

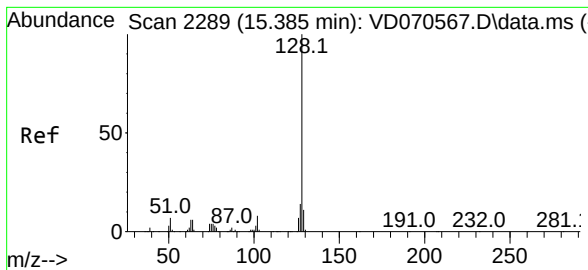
Tgt Ion: 75 Resp: 154777
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.1 35.3 52.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.224 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19

Tgt Ion:105 Resp: 21884
Ion Ratio Lower Upper
105 100
120 48.5 21.9 65.8





#95
Naphthalene
Concen: 69.132 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070656.D
Acq: 11 Oct 2021 13:19

Instrument :
MSVOA_D
ClientSampleId :
PSC124055

Tgt Ion:128 Resp: 642587
Ion Ratio Lower Upper
128 100
127 13.4 10.9 16.3
129 10.8 8.6 12.8

