

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122921\
 Data File : VD071533.D
 Acq On : 29 Dec 2021 17:18
 Operator : VA/SY
 Sample : M5230-03
 Misc : 6.20G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC124055

Quant Time: Dec 29 17:57:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

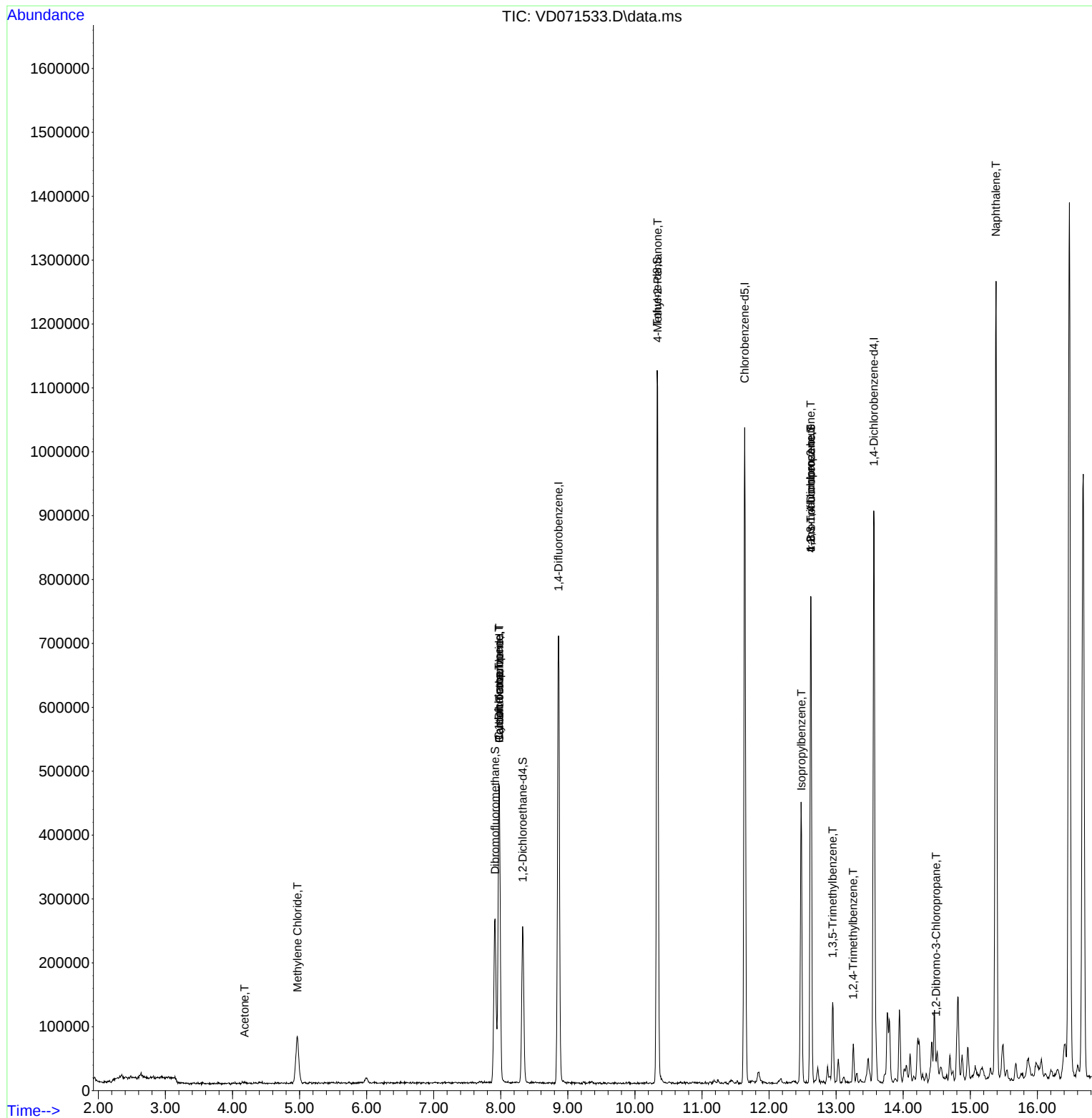
Internal Standards						
1) Pentafluorobenzene	7.979	168	322375	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	566885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	528951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	218494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	191374	44.699	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.400%		
35) Dibromofluoromethane	7.914	113	177123	46.490	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.980%		
50) Toluene-d8	10.332	98	713134	49.531	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.060%		
62) 4-Bromofluorobenzene	12.626	95	240380	46.984	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.960%		
Target Compounds						
					Qvalue	
16) Acetone	4.179	43	3957	3.680	ug/l #	40
20) Methylene Chloride	4.967	84	49681	6.338	ug/l #	75
31) Cyclohexane	7.973	56	9574	1.316	ug/l #	10
36) 1,1-Dichloropropene	7.973	75	32377	5.319	ug/l #	48
38) Carbon Tetrachloride	7.979	117	35811	5.963	ug/l #	18
51) 4-Methyl-2-Pentanone	10.338	43	4208	1.434	ug/l #	1
73) Isopropylbenzene	12.485	105	18456	1.096	ug/l #	67
76) 1,2,3-Trichloropropane	12.620	75	141828	54.631	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.949	105	64014	4.607	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.620	75	141828	154.362	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.255	105	30222	2.198	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	1072	2.030	ug/l #	4
95) Naphthalene	15.384	128	1034962	139.271	ug/l	100

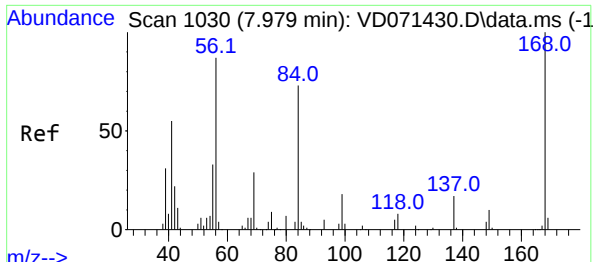
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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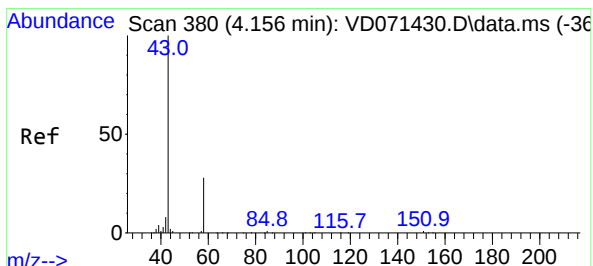
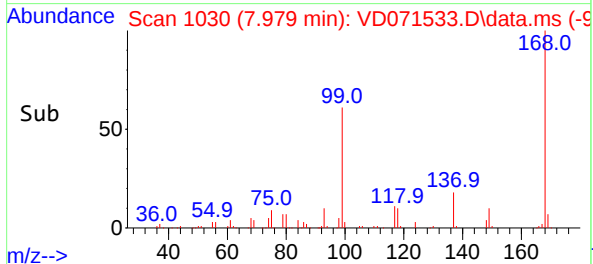
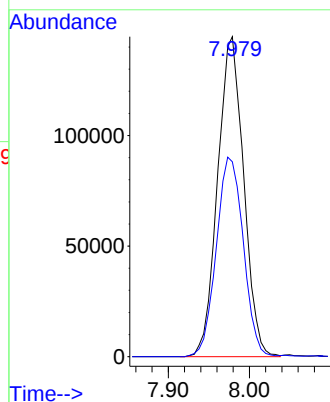
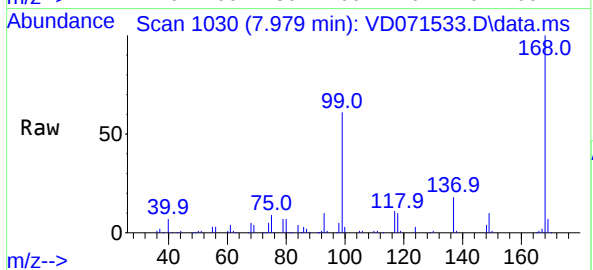




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

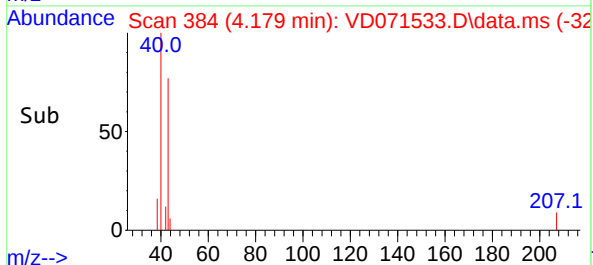
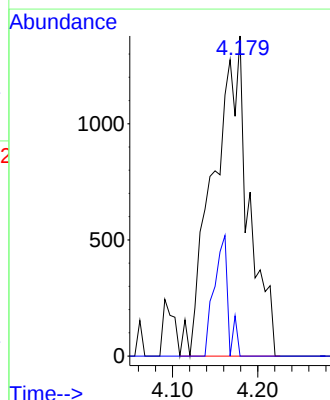
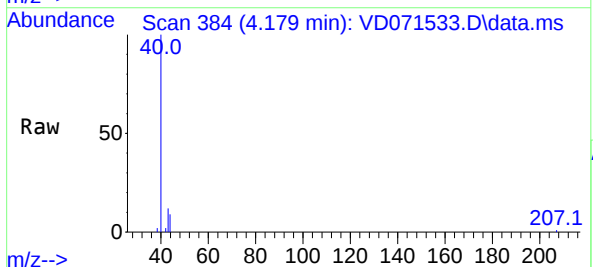
Instrument :
MSVOA_D
ClientSampleId :
PSC124055

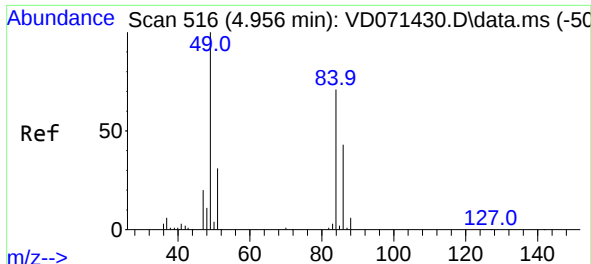
Tgt Ion:168 Resp: 322375
Ion Ratio Lower Upper
168 100
99 60.9 46.6 69.8



#16
Acetone
Concen: 3.680 ug/l
RT: 4.179 min Scan# 384
Delta R.T. 0.023 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

Tgt Ion: 43 Resp: 3957
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



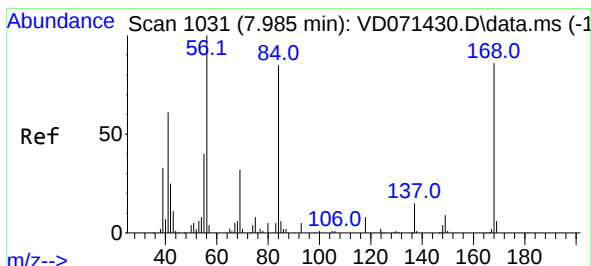
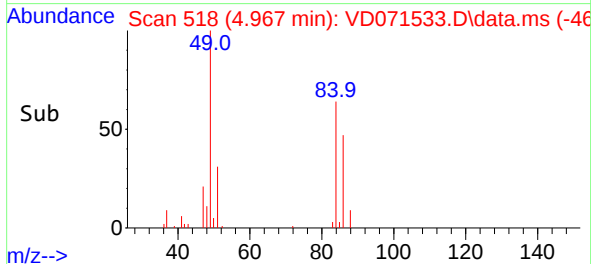
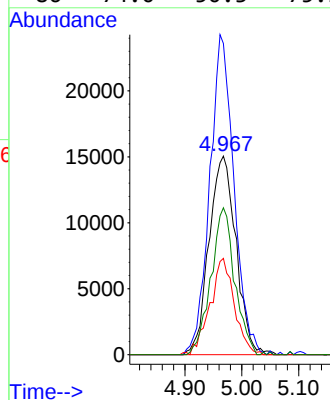
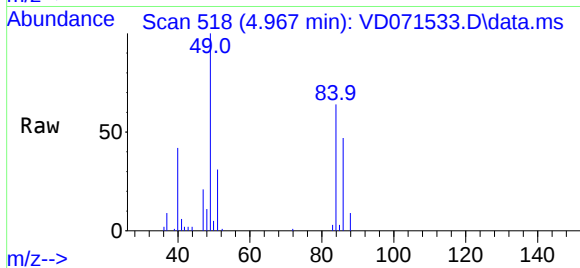


#20
Methylene Chloride
Concen: 6.338 ug/l
RT: 4.967 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

Instrument :
MSVOA_D
ClientSampleId :
PSC124055

Tgt Ion: 84 Resp: 49681

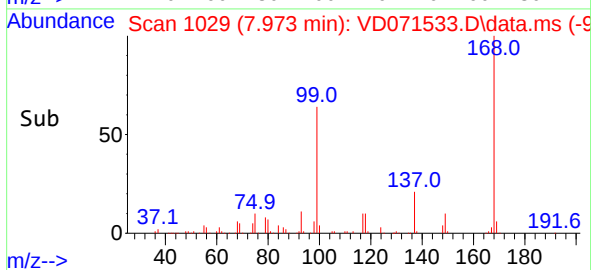
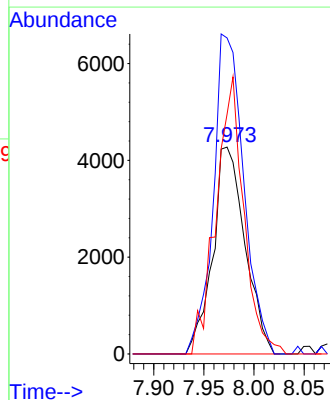
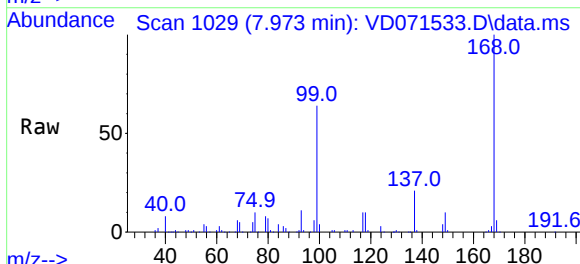
Ion	Ratio	Lower	Upper
84	100		
49	156.7	95.8	143.6#
51	48.5	30.9	46.3#
86	74.0	50.3	75.5

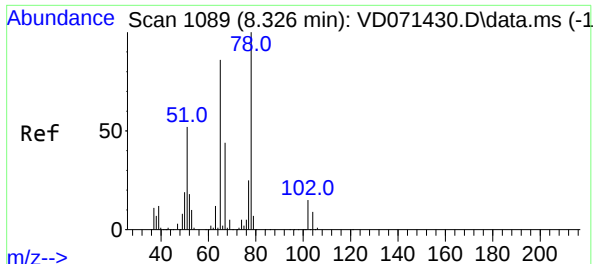


#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

Tgt Ion: 56 Resp: 9574

Ion	Ratio	Lower	Upper
56	100		
69	152.7	25.9	38.9#
84	116.0	64.3	96.5#

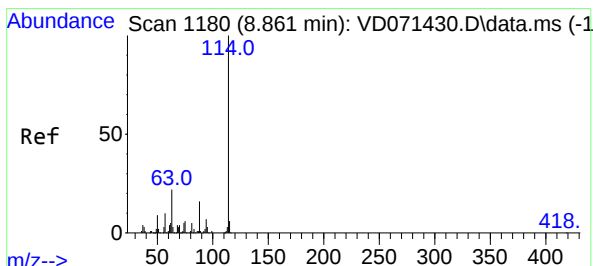
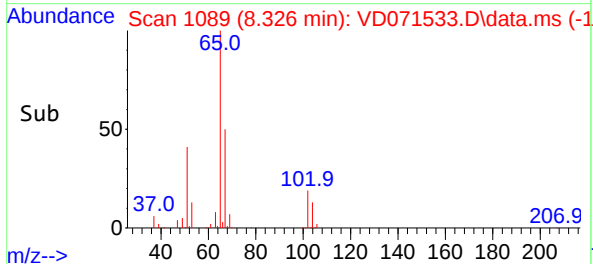
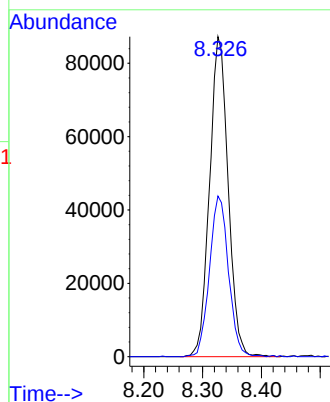
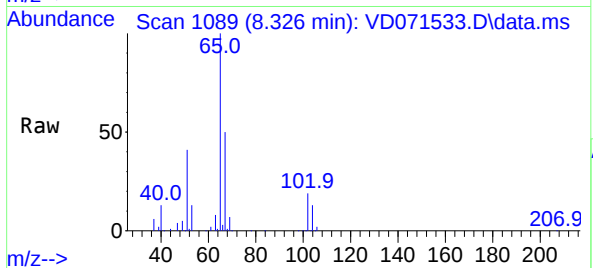




#33
1,2-Dichloroethane-d4
Concen: 44.699 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

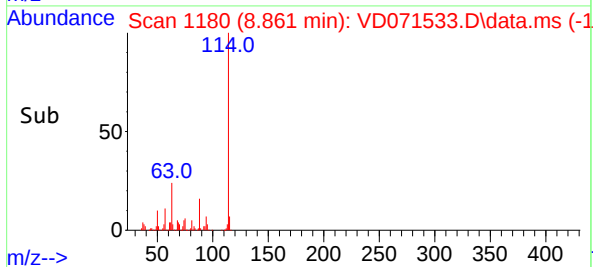
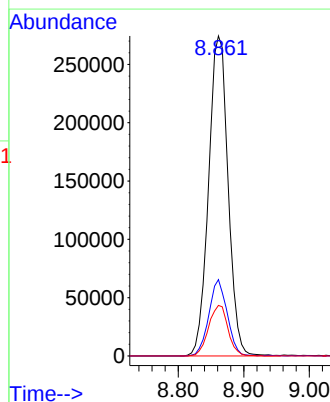
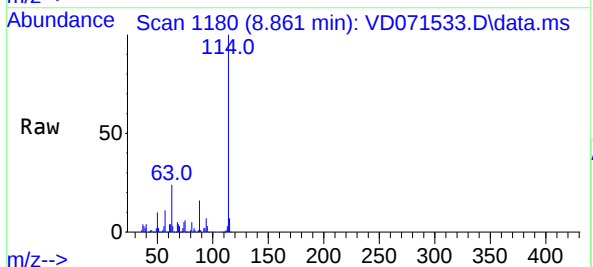
Instrument :
MSVOA_D
ClientSampleId :
PSC124055

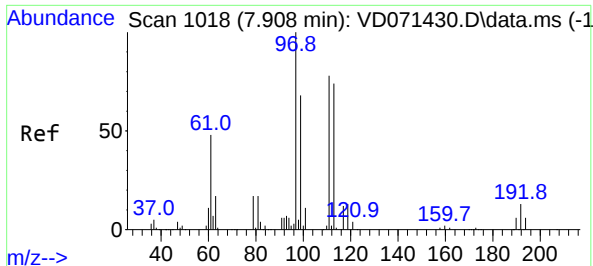
Tgt Ion: 65 Resp: 191374
Ion Ratio Lower Upper
65 100
67 51.4 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

Tgt Ion:114 Resp: 566885
Ion Ratio Lower Upper
114 100
63 23.8 0.0 41.8
88 15.8 0.0 32.8

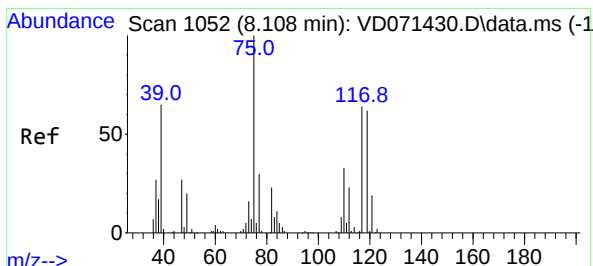
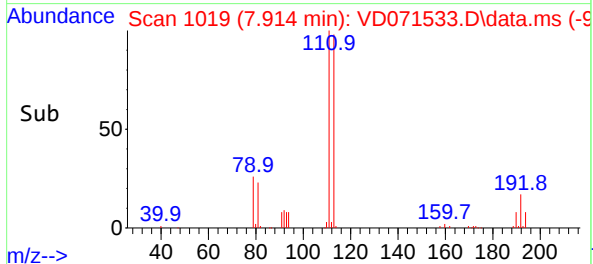
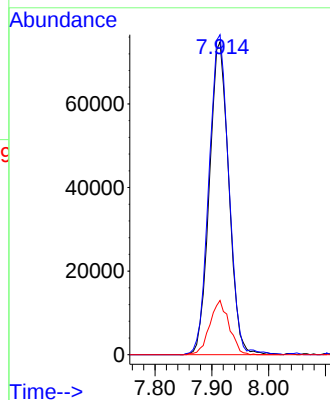
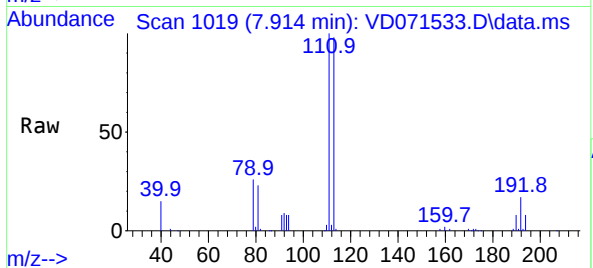




#35
Dibromofluoromethane
Concen: 46.490 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

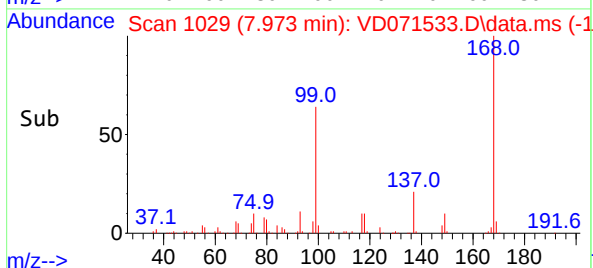
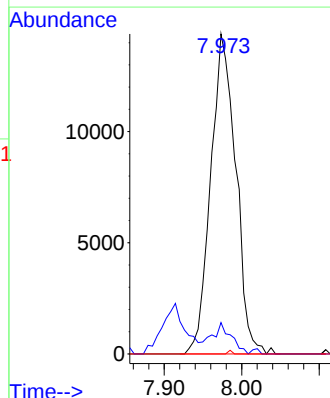
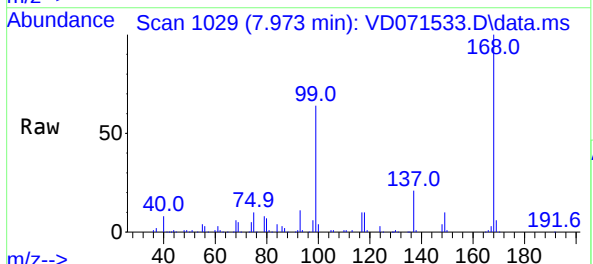
Instrument :
MSVOA_D
ClientSampleId :
PSC124055

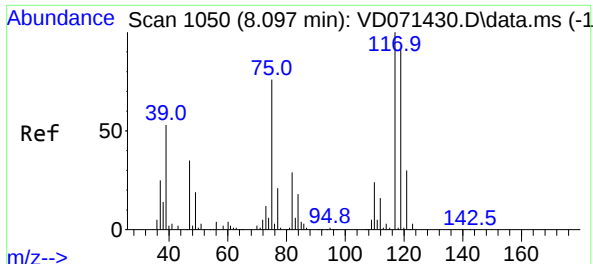
Tgt Ion:113 Resp: 177123
Ion Ratio Lower Upper
113 100
111 104.6 82.0 123.0
192 17.4 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.319 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

Tgt Ion: 75 Resp: 32377
Ion Ratio Lower Upper
75 100
110 7.4 17.8 53.4#
77 0.2 24.8 37.2#

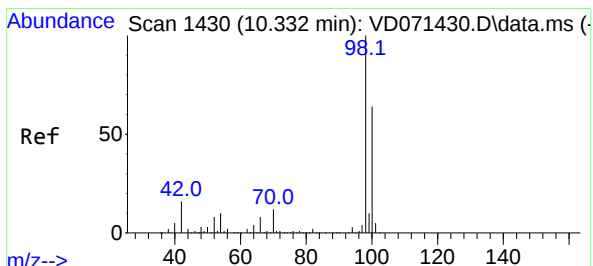
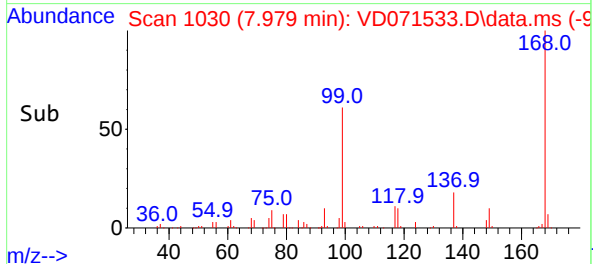
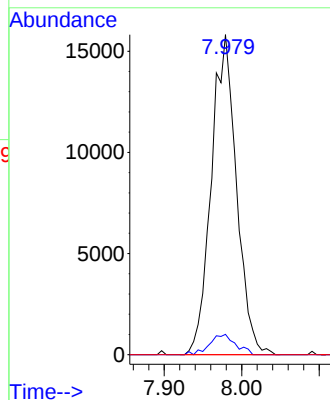
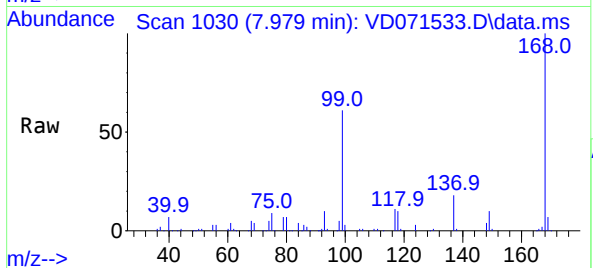




#38
Carbon Tetrachloride
Concen: 5.963 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

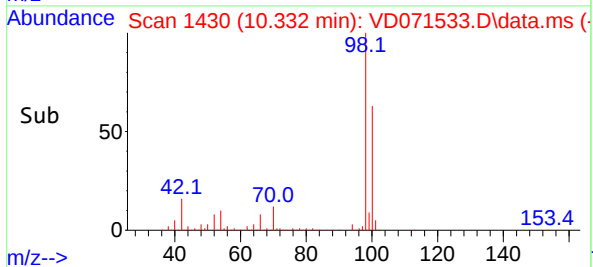
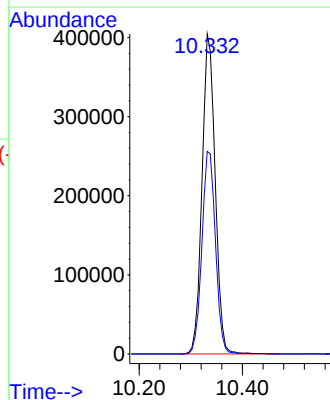
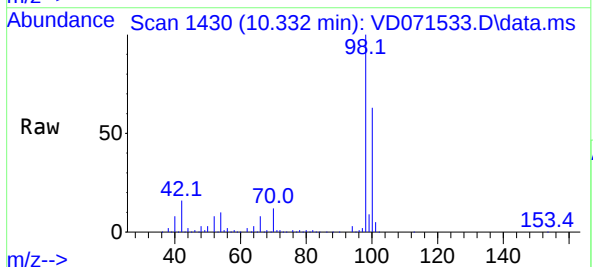
Instrument :
MSVOA_D
ClientSampleId :
PSC124055

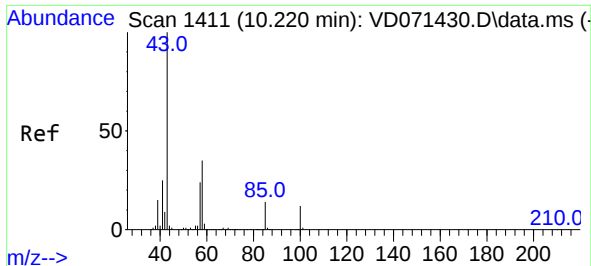
Tgt Ion:117 Resp: 35811
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.6#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 49.531 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

Tgt Ion: 98 Resp: 713134
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 1.434 ug/l

RT: 10.338 min Scan# 1411

Delta R.T. 0.118 min

Lab File: VD071533.D

Acq: 29 Dec 2021 17:18

Instrument :

MSVOA_D

ClientSampleId :

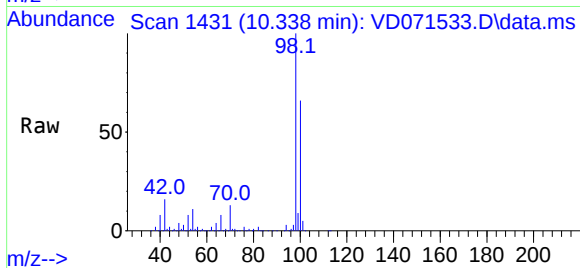
PSC124055

Tgt Ion: 43 Resp: 4208

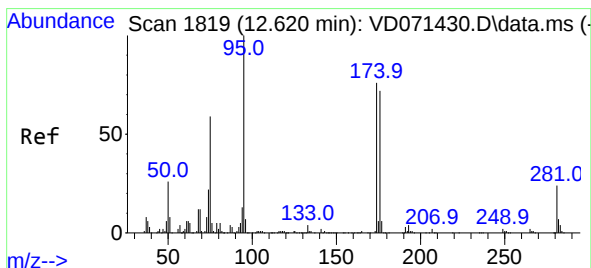
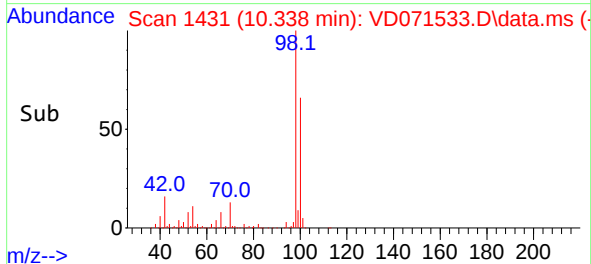
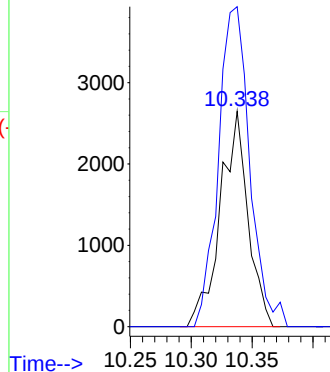
Ion Ratio Lower Upper

43 100

58 167.8 33.1 49.7#



Abundance



#62

4-Bromofluorobenzene

Concen: 46.984 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

Lab File: VD071533.D

Acq: 29 Dec 2021 17:18

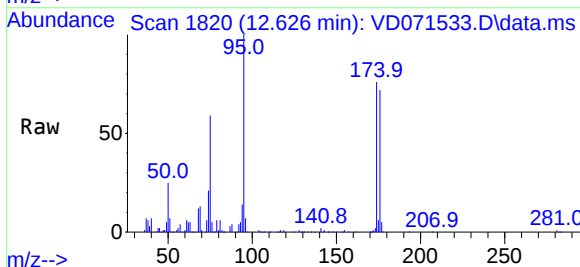
Tgt Ion: 95 Resp: 240380

Ion Ratio Lower Upper

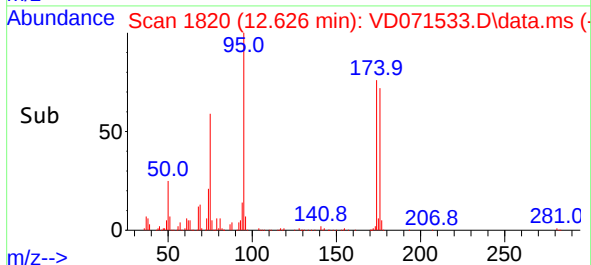
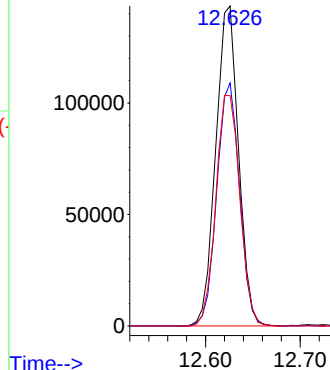
95 100

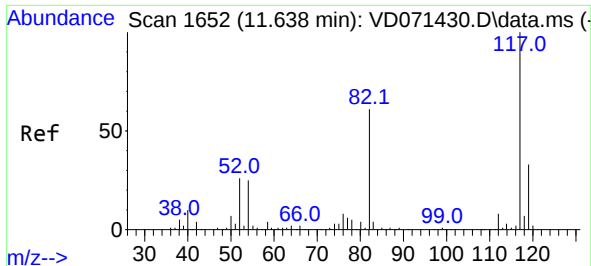
174 75.9 0.0 159.4

176 75.7 0.0 154.0



Abundance

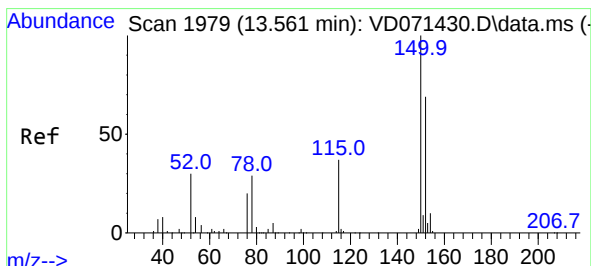
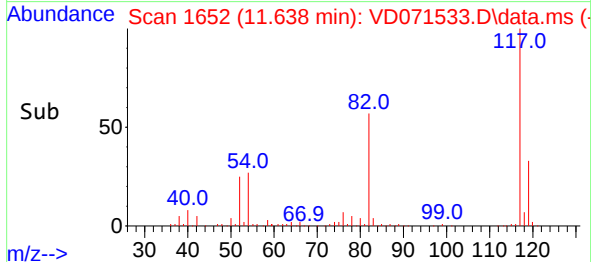
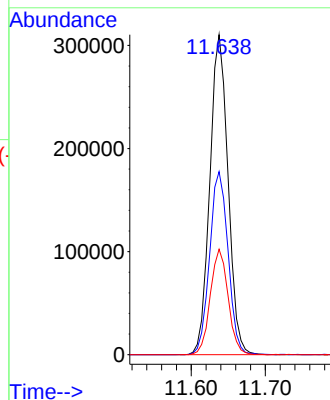
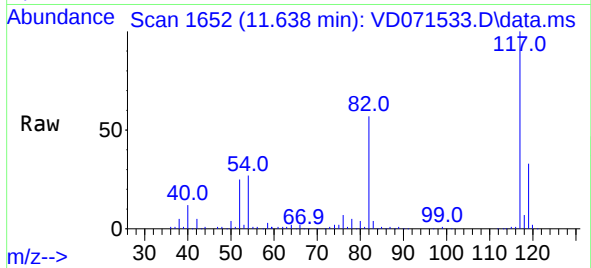




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

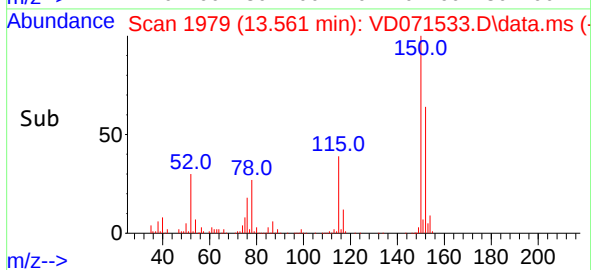
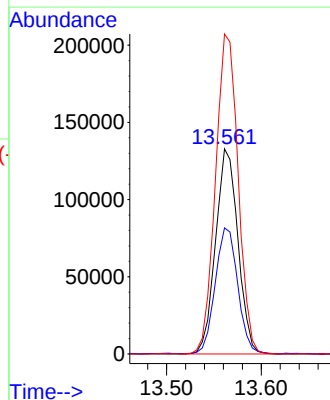
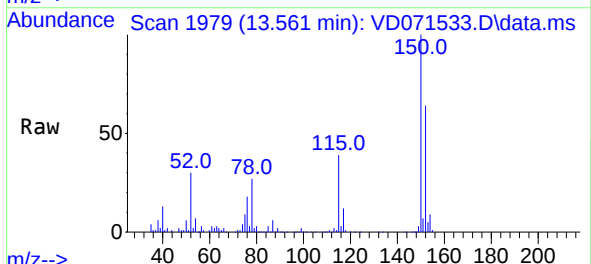
Instrument :
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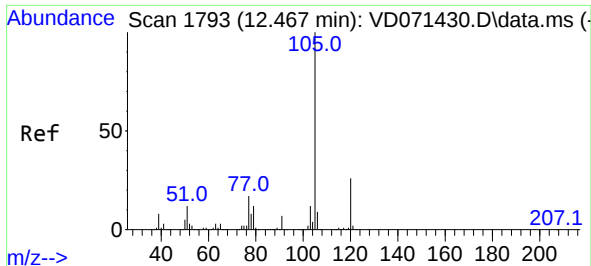
Tgt Ion:117 Resp: 528951
Ion Ratio Lower Upper
117 100
82 57.2 44.7 67.1
119 33.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

Tgt Ion:152 Resp: 218494
Ion Ratio Lower Upper
152 100
115 62.1 29.8 89.3
150 158.0 0.0 349.2

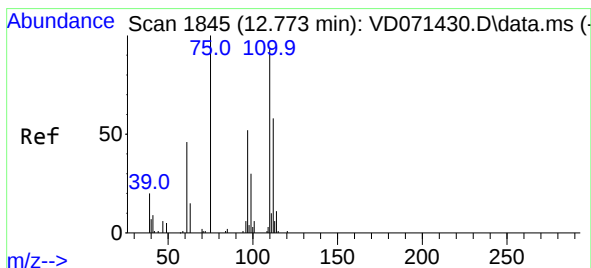
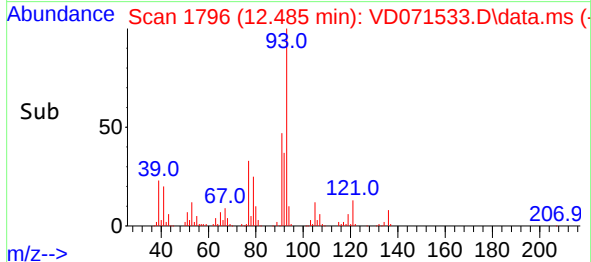
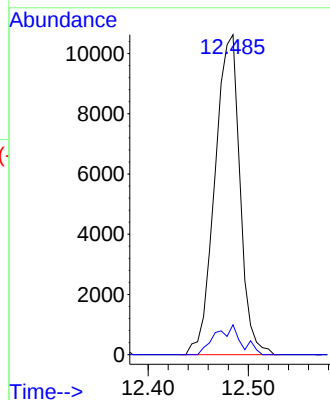
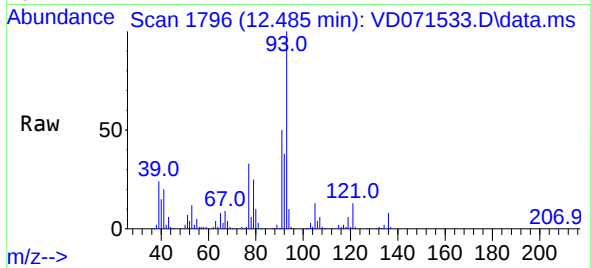




#73
Isopropylbenzene
Concen: 1.096 ug/l
RT: 12.485 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

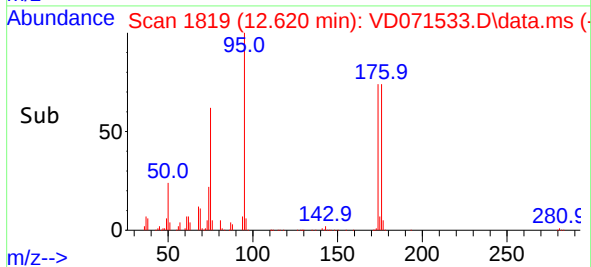
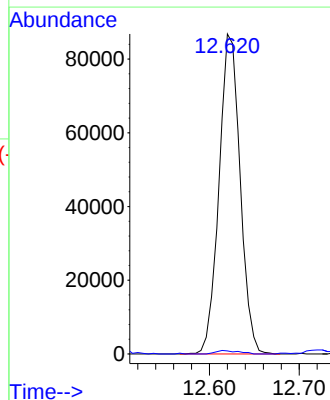
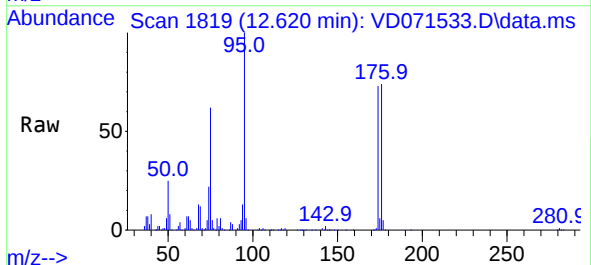
Instrument :
MSVOA_D
ClientSampleId :
PSC124055

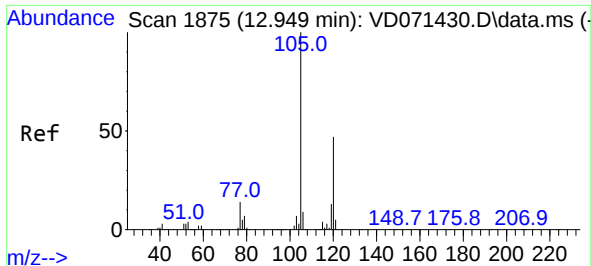
Tgt Ion:105 Resp: 18456
Ion Ratio Lower Upper
105 100
120 9.6 13.2 39.5#



#76
1,2,3-Trichloropropane
Concen: 54.631 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

Tgt Ion: 75 Resp: 141828
Ion Ratio Lower Upper
75 100
77 1.2 158.4 475.3#

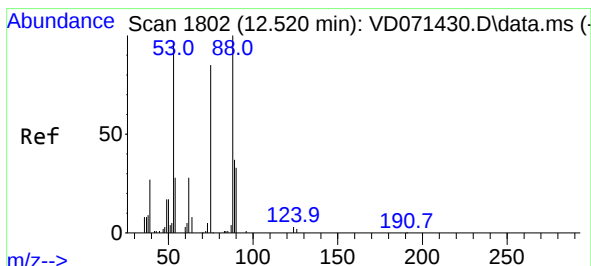
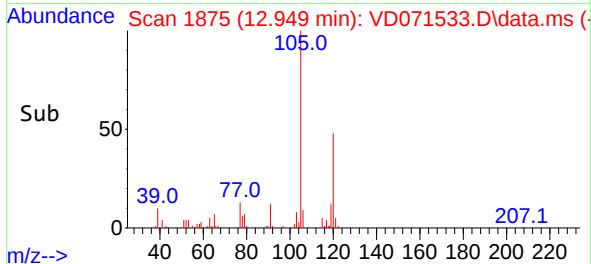
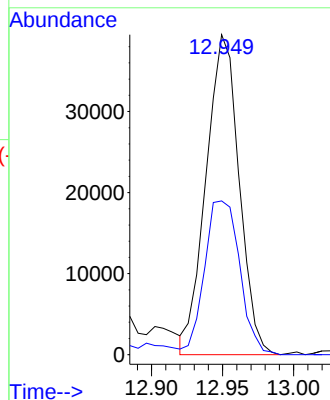
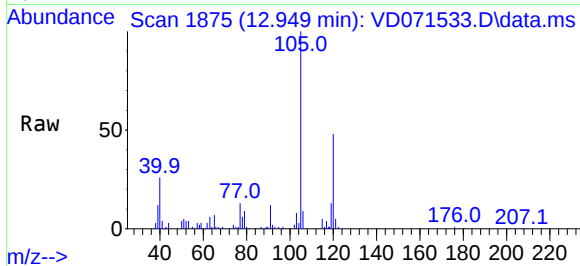




#80
1,3,5-Trimethylbenzene
Concen: 4.607 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

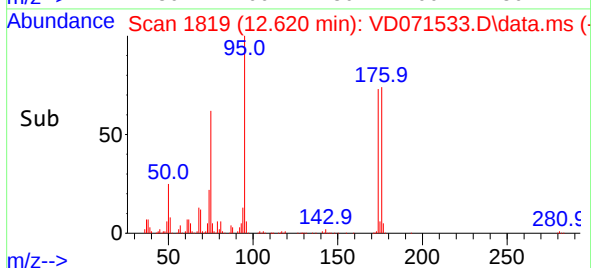
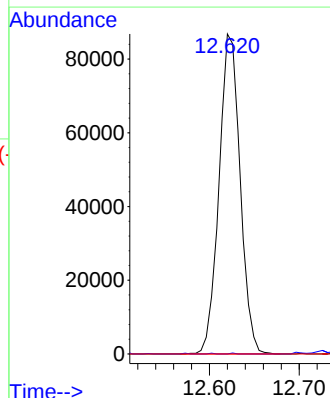
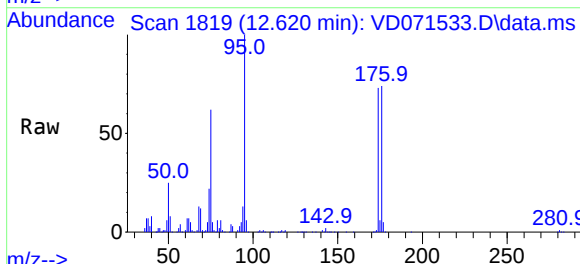
Instrument :
MSVOA_D
ClientSampleId :
PSC124055

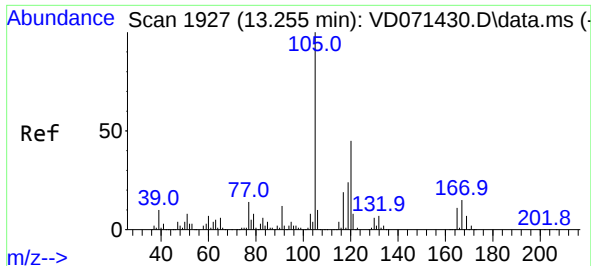
Tgt Ion:105 Resp: 64014
Ion Ratio Lower Upper
105 100
120 51.1 24.6 73.8



#81
trans-1,4-Dichloro-2-butene
Concen: 154.362 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

Tgt Ion: 75 Resp: 141828
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

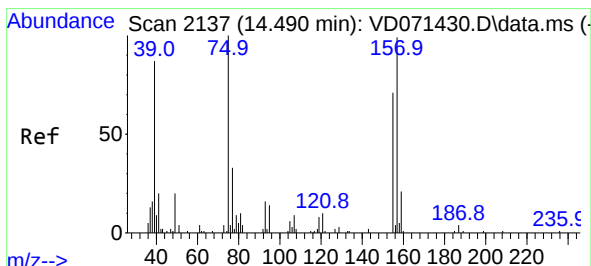
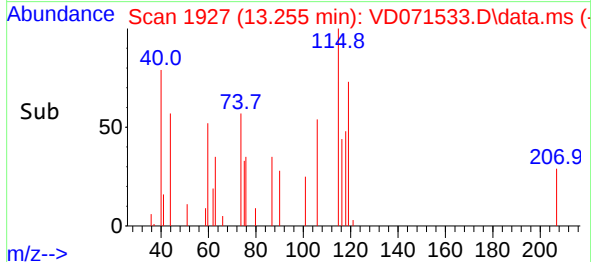
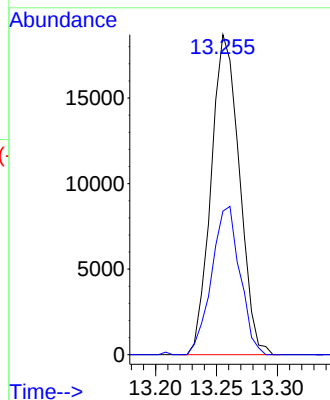
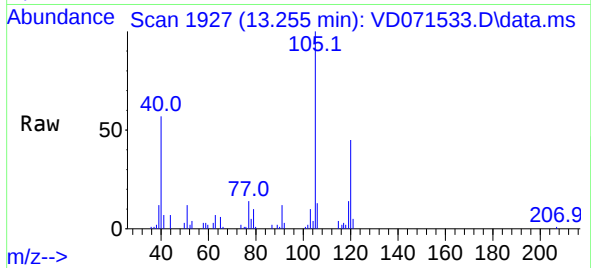




#84
1,2,4-Trimethylbenzene
Concen: 2.198 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

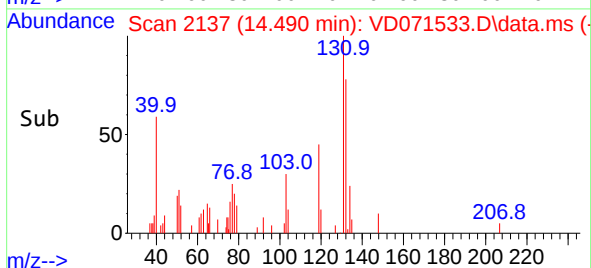
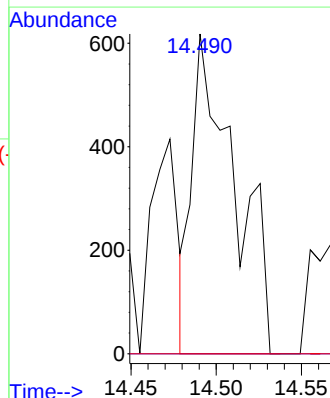
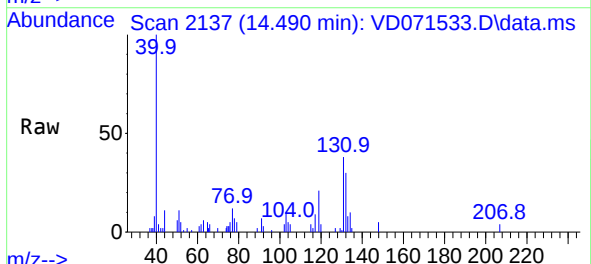
Instrument :
MSVOA_D
ClientSampleId :
PSC124055

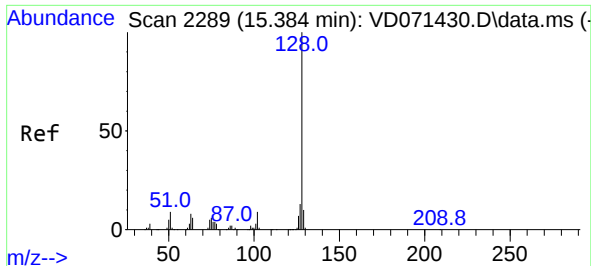
Tgt Ion:105 Resp: 30222
Ion Ratio Lower Upper
105 100
120 46.4 22.9 68.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.030 ug/l
RT: 14.490 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

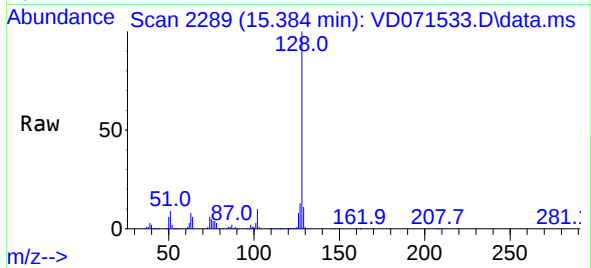
Tgt Ion: 75 Resp: 1072
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#





#95
Naphthalene
Concen: 139.271 ug/l
RT: 15.384 min Scan# 21
Delta R.T. 0.005 min
Lab File: VD071533.D
Acq: 29 Dec 2021 17:18

Instrument :
MSVOA_D
ClientSampleId :
PSC124055



Tgt Ion:128 Resp: 1034962

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.1	8.7	13.1

