

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052622\
 Data File : VD073397.D
 Acq On : 26 May 2022 19:27
 Operator : VA/SY
 Sample : N3072-03
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC-124035

Quant Time: May 27 01:33:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

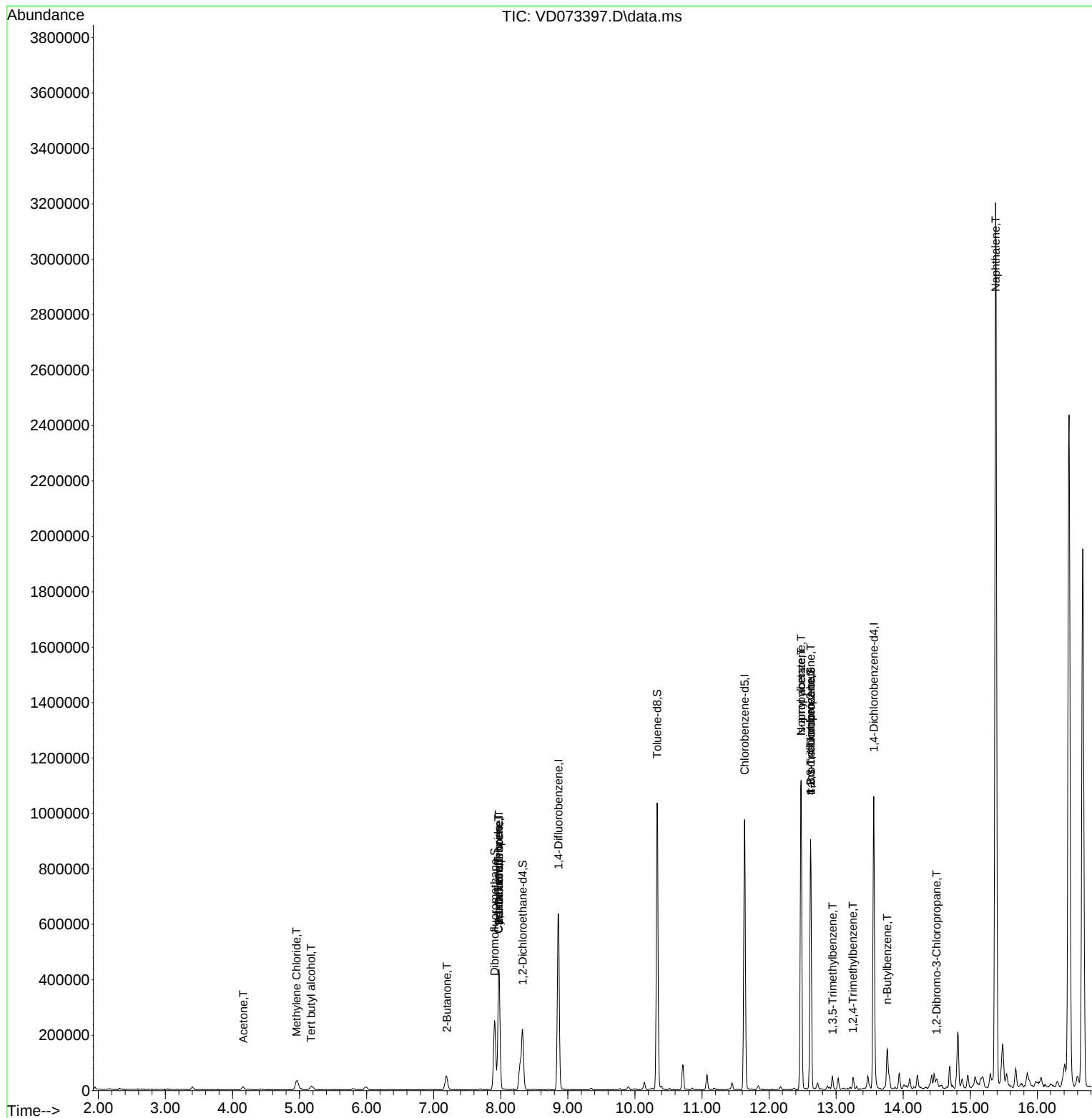
Internal Standards						
1) Pentafluorobenzene	7.973	168	317740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	559337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	583636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	273562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	159836	45.518	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.040%		
35) Dibromofluoromethane	7.908	113	182144	49.350	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.700%		
50) Toluene-d8	10.332	98	701772	51.580	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.160%		
62) 4-Bromofluorobenzene	12.620	95	287732	60.261	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	120.520%		
Target Compounds			Qvalue			
5) Bromomethane	2.767	94	479	Below Cal	#	44
11) Tert butyl alcohol	5.173	59	12110	22.228	ug/l #	74
16) Acetone	4.162	43	17138	28.177	ug/l	94
20) Methylene Chloride	4.956	84	25662	2.890	ug/l #	85
25) 2-Butanone	7.197	43	3558	3.998	ug/l #	89
31) Cyclohexane	7.967	56	8681	1.415	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	26027	4.689	ug/l #	50
38) Carbon Tetrachloride	7.967	117	32080	5.701	ug/l #	18
73) Isopropylbenzene	12.479	105	50923	2.611	ug/l #	70
74) N-amyl acetate	12.479	43	23755	5.584	ug/l #	21
76) 1,2,3-Trichloropropane	12.620	75	144115	53.692	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.949	105	17370	1.051	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.620	75	144115	128.898	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.249	105	23483	1.439	ug/l	97
89) n-Butylbenzene	13.761	91	18020	1.091	ug/l #	43
92) 1,2-Dibromo-3-Chloropr...	14.496	75	907	1.647	ug/l #	6
95) Naphthalene	15.379	128	2799030	294.062	ug/l	99

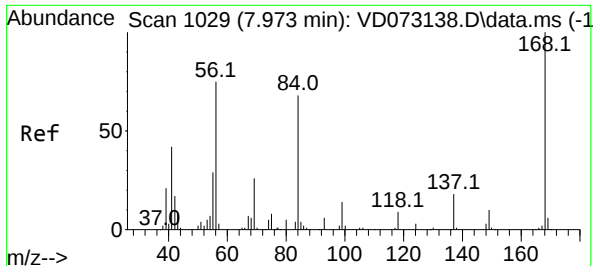
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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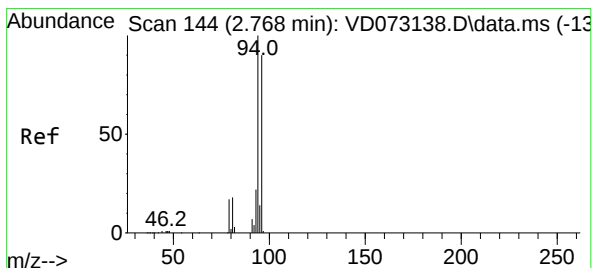
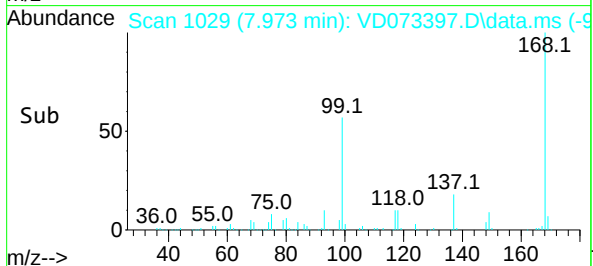
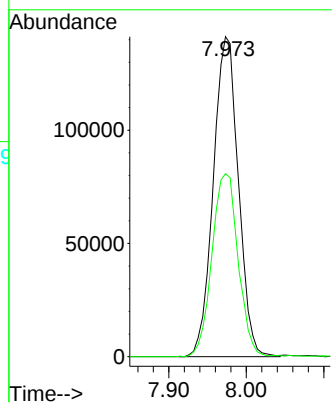
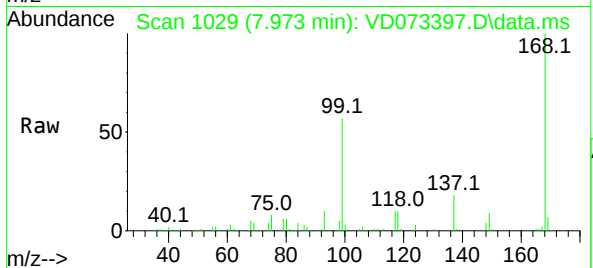




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

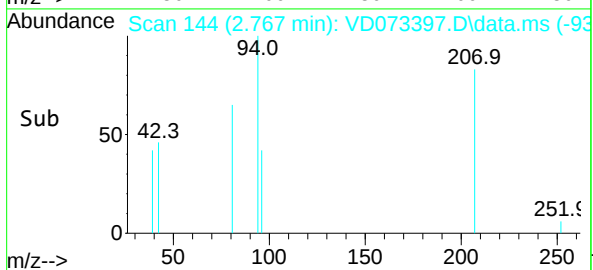
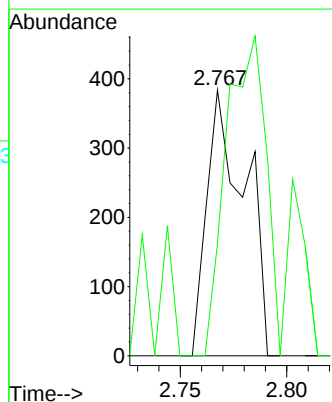
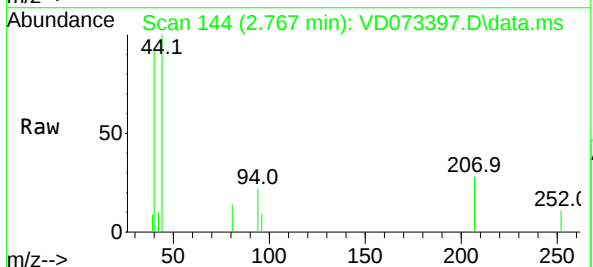
Instrument :
MSVOA_D
ClientSampleId :
PSC-124035

Tgt Ion:168 Resp: 317740
Ion Ratio Lower Upper
168 100
99 57.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. -0.001 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

Tgt Ion: 94 Resp: 479
Ion Ratio Lower Upper
94 100
96 42.2 77.6 116.4#

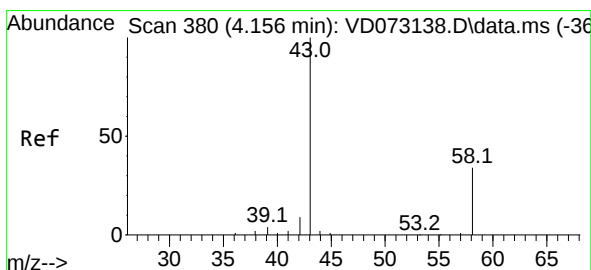
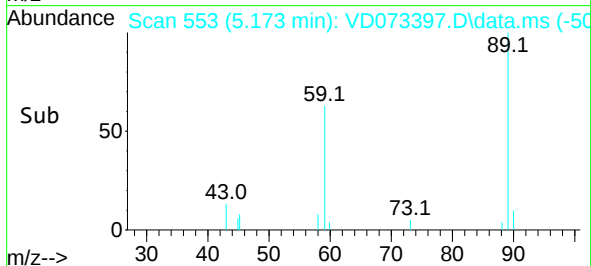
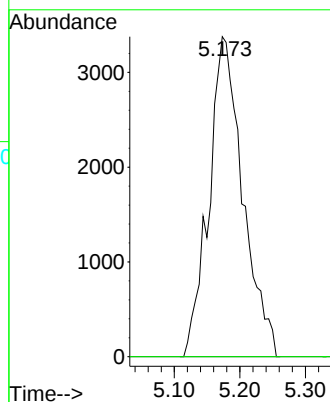
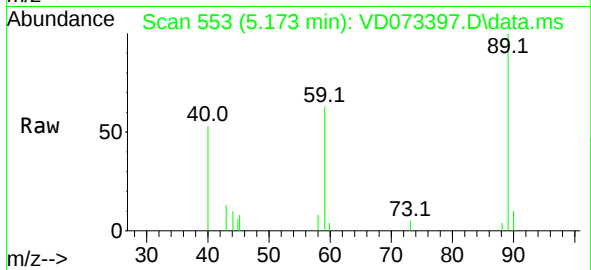




#11
Tert butyl alcohol
Concen: 22.228 ug/l
RT: 5.173 min Scan# 511
Delta R.T. -0.036 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

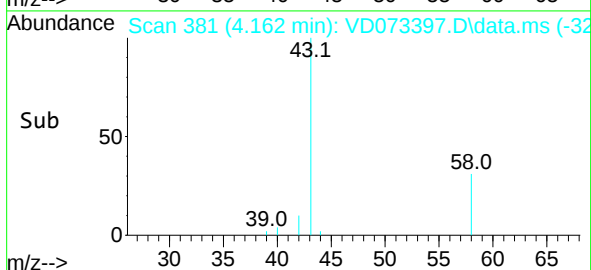
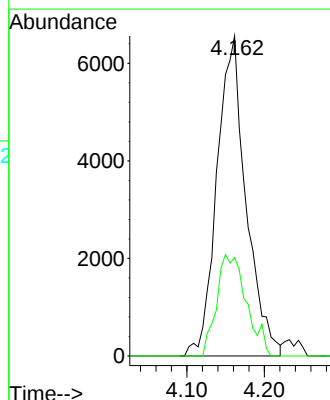
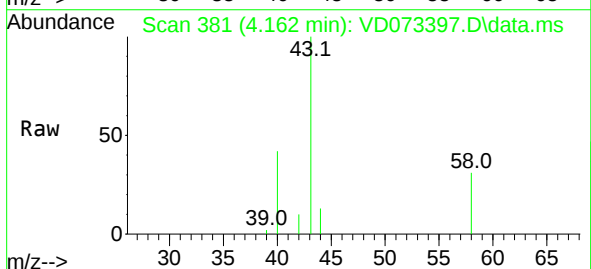
Instrument :
MSVOA_D
ClientSampleId :
PSC-124035

Tgt Ion: 59 Resp: 12110
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 28.177 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

Tgt Ion: 43 Resp: 17138
Ion Ratio Lower Upper
43 100
58 30.8 22.1 33.1

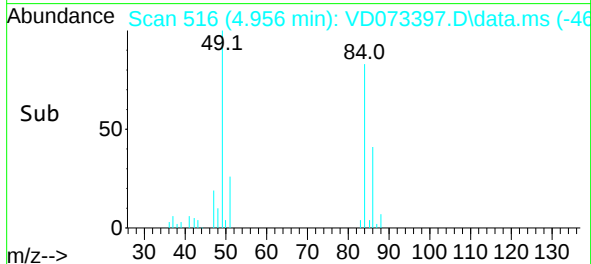
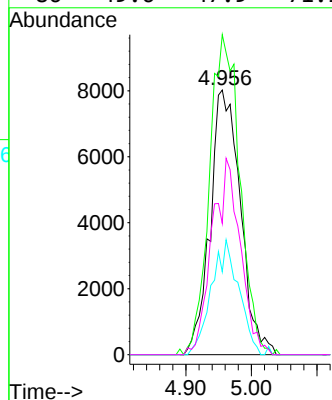
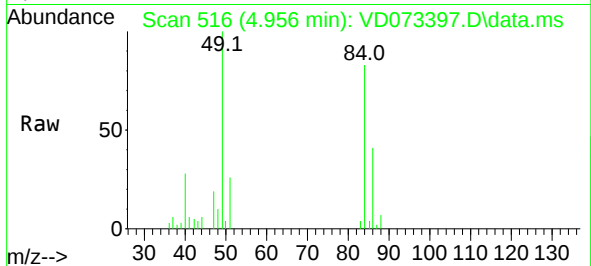




#20
Methylene Chloride
Concen: 2.890 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

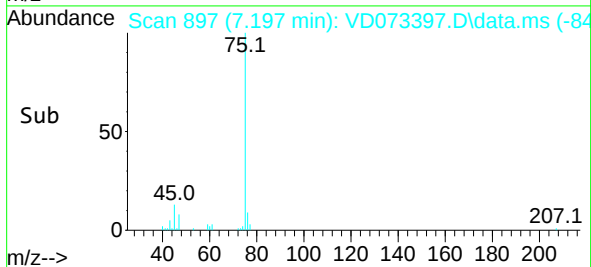
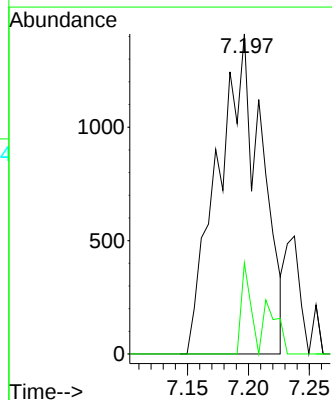
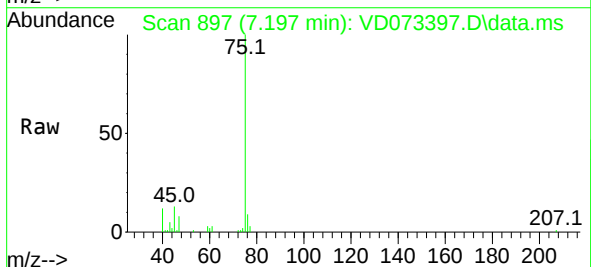
Instrument :
MSVOA_D
ClientSampleId :
PSC-124035

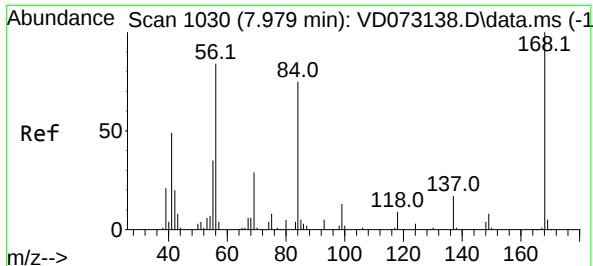
Tgt Ion:	84	Resp:	25662
Ion	Ratio	Lower	Upper
84	100		
49	120.9	112.8	169.2
51	31.3	32.6	48.8#
86	49.6	47.9	71.9



#25
2-Butanone
Concen: 3.998 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

Tgt Ion:	43	Resp:	3558
Ion	Ratio	Lower	Upper
43	100		
72	28.5	18.6	27.8#





#31

Cyclohexane

Concen: 1.415 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073397.D

Acq: 26 May 2022 19:27

Instrument :

MSVOA_D

ClientSampleId :

PSC-124035

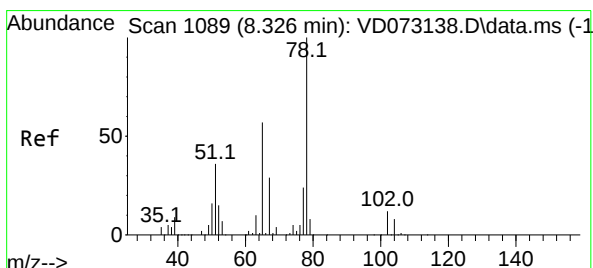
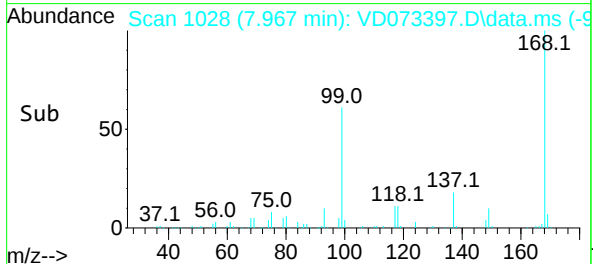
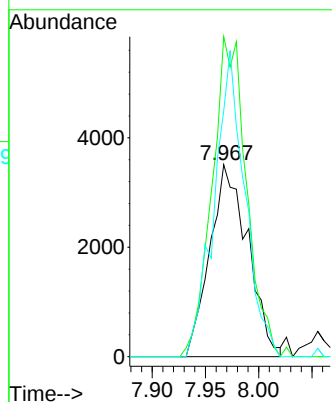
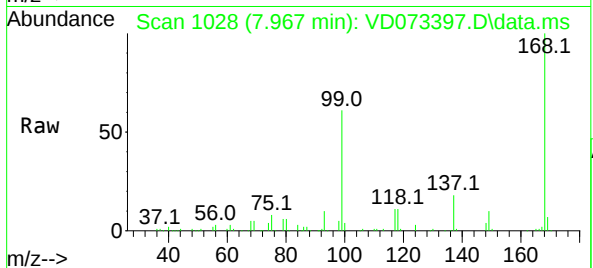
Tgt Ion: 56 Resp: 8681

Ion Ratio Lower Upper

56 100

69 166.6 25.4 38.2#

84 127.9 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 45.518 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073397.D

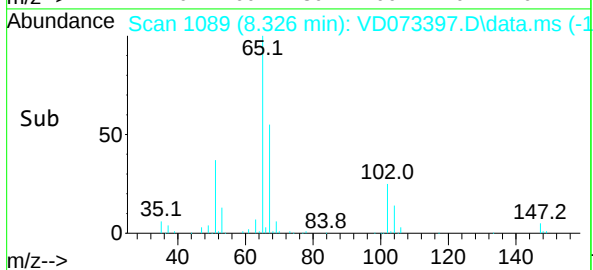
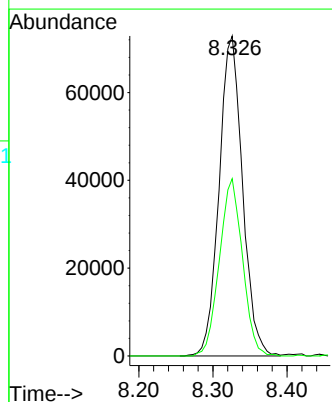
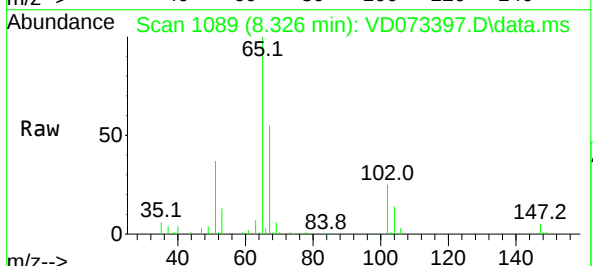
Acq: 26 May 2022 19:27

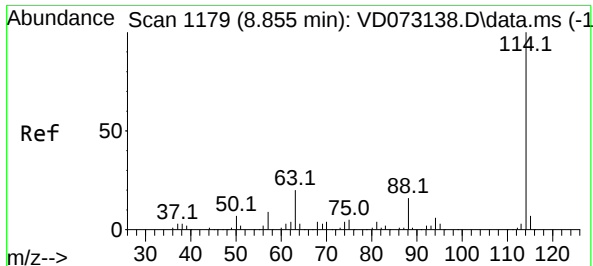
Tgt Ion: 65 Resp: 159836

Ion Ratio Lower Upper

65 100

67 54.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073397.D

Acq: 26 May 2022 19:27

Instrument :

MSVOA_D

ClientSampleId :

PSC-124035

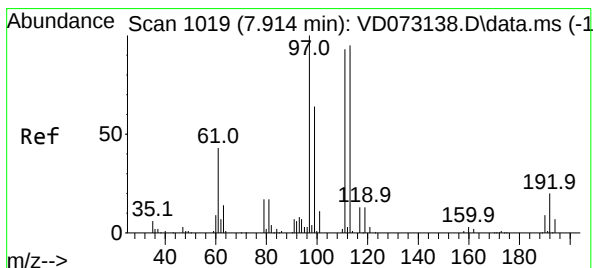
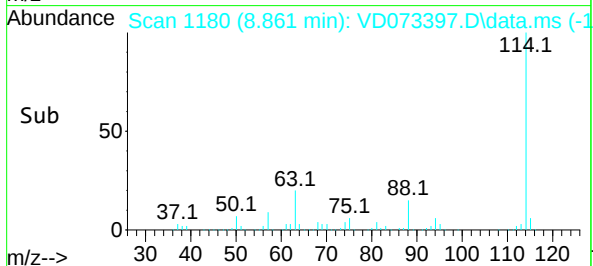
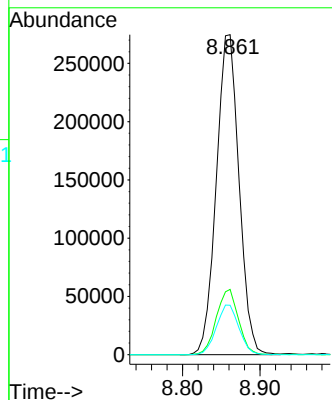
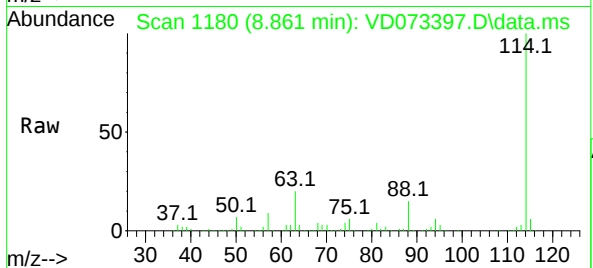
Tgt Ion:114 Resp: 559337

Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.350 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073397.D

Acq: 26 May 2022 19:27

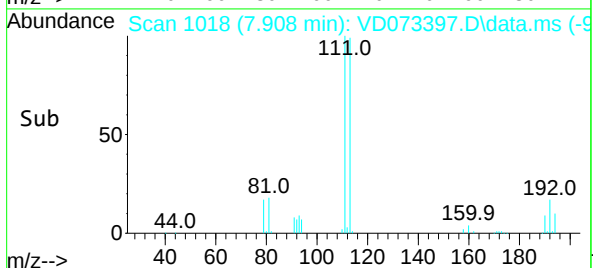
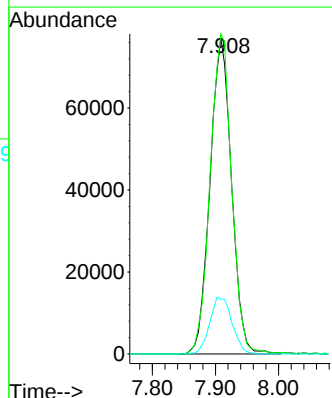
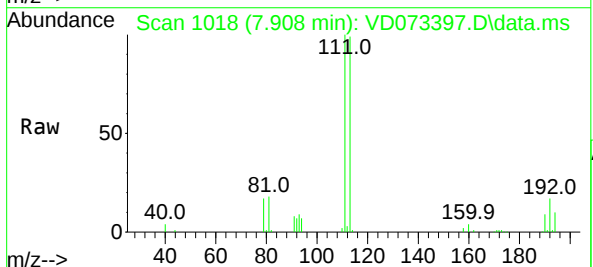
Tgt Ion:113 Resp: 182144

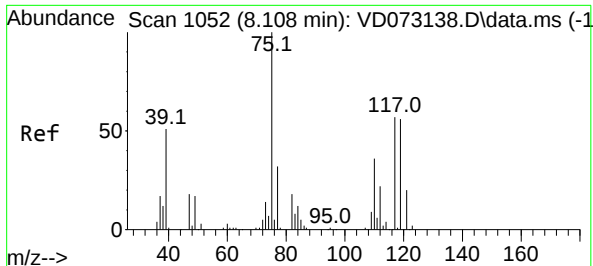
Ion Ratio Lower Upper

113 100

111 101.3 83.8 125.6

192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.689 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073397.D

Acq: 26 May 2022 19:27

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ClientSampleId :

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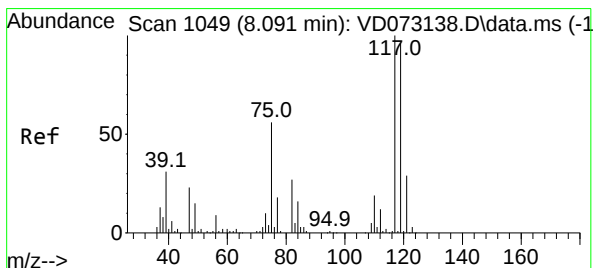
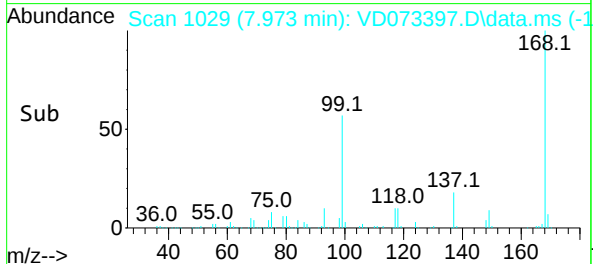
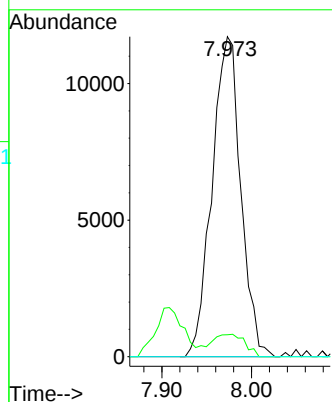
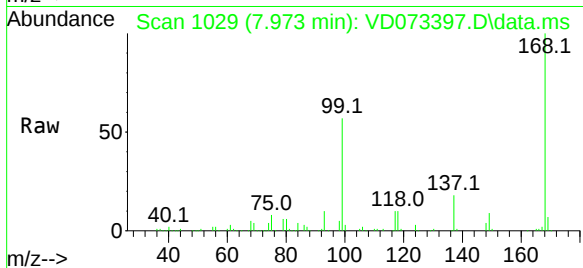
Tgt Ion: 75 Resp: 26027

Ion Ratio Lower Upper

75 100

110 7.6 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.701 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073397.D

Acq: 26 May 2022 19:27

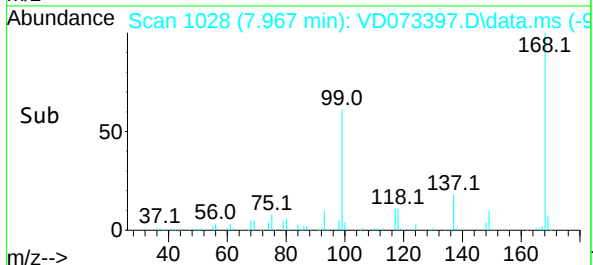
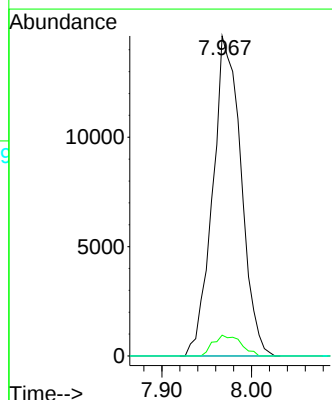
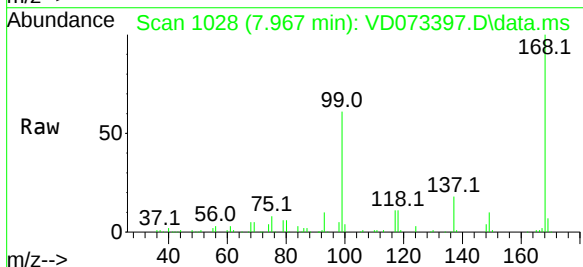
Tgt Ion: 117 Resp: 32080

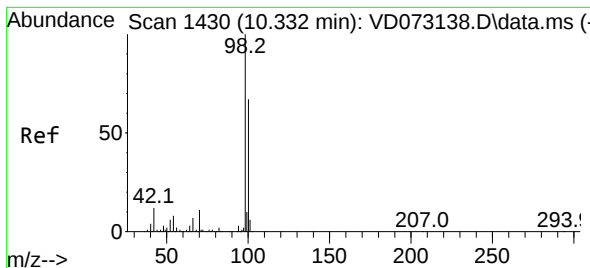
Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 51.580 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073397.D

Acq: 26 May 2022 19:27

Instrument :

MSVOA_D

ClientSampleId :

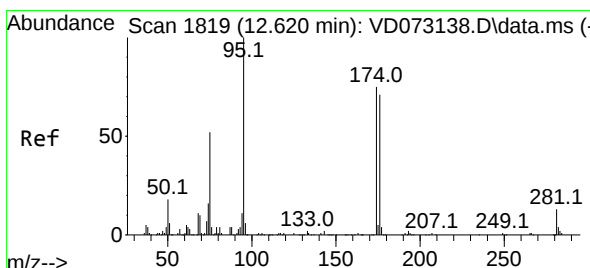
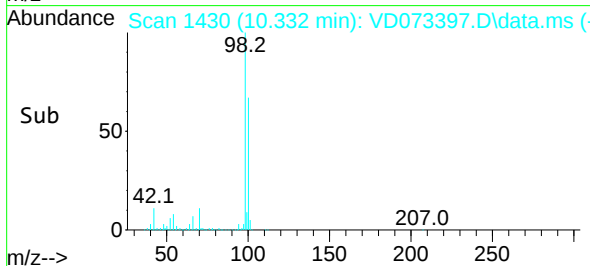
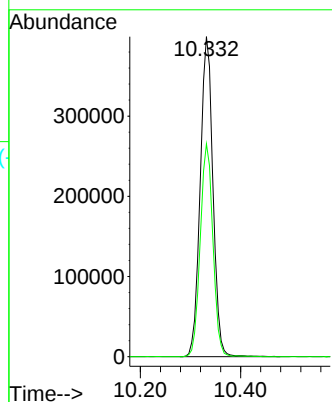
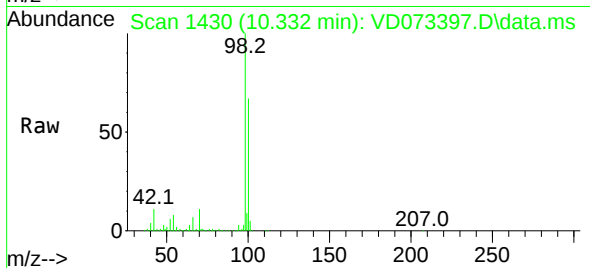
PSC-124035

Tgt Ion: 98 Resp: 701772

Ion Ratio Lower Upper

98 100

100 66.4 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 60.261 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VD073397.D

Acq: 26 May 2022 19:27

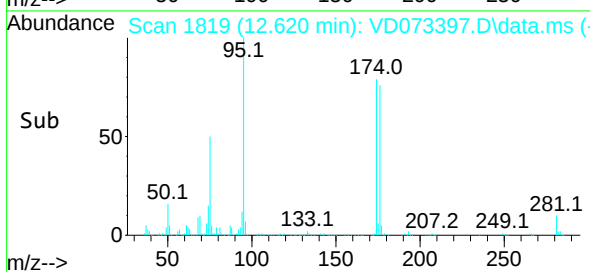
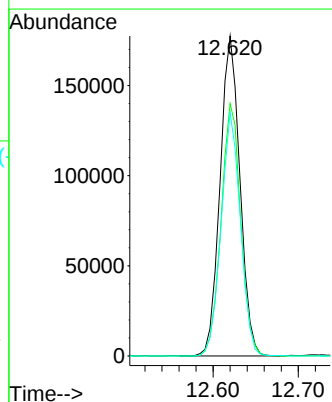
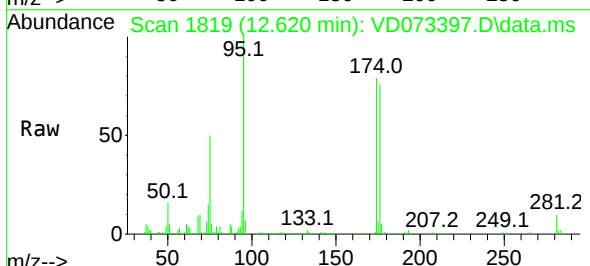
Tgt Ion: 95 Resp: 287732

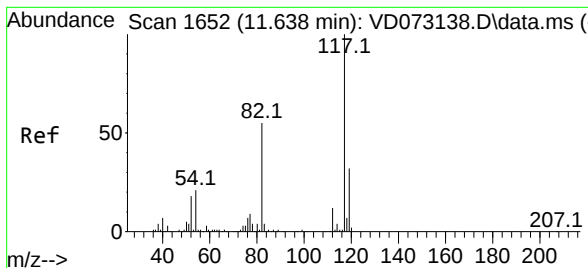
Ion Ratio Lower Upper

95 100

174 77.9 0.0 152.8

176 73.9 0.0 145.4

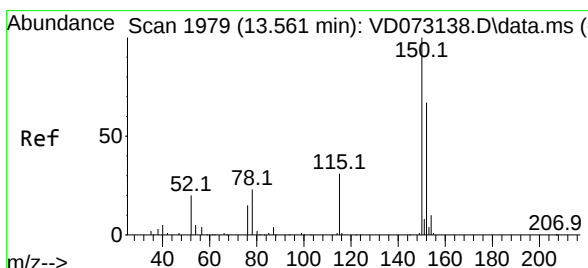
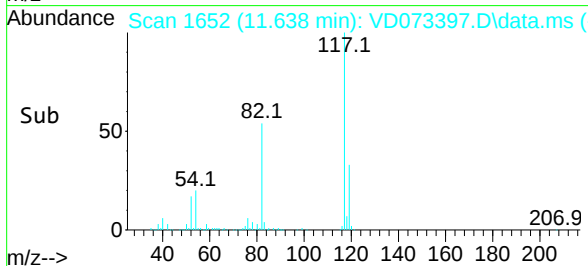
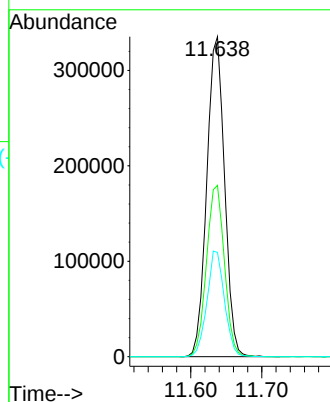
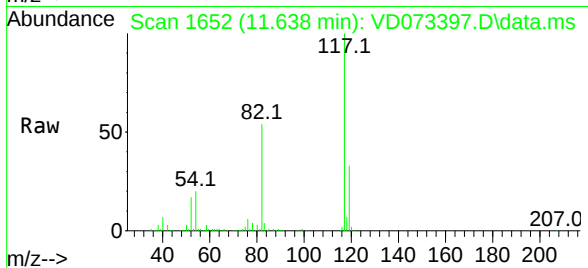




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

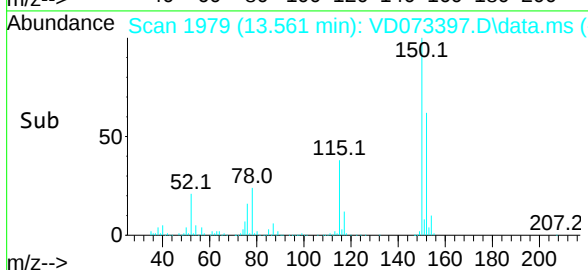
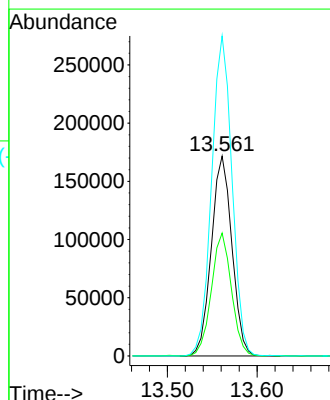
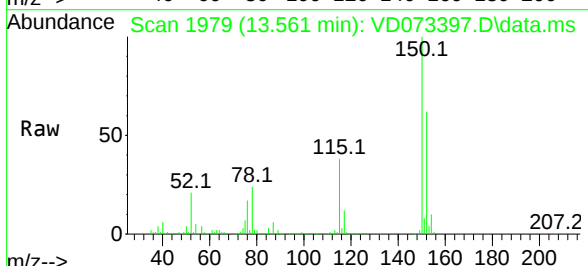
Instrument :
MSVOA_D
ClientSampleId :
PSC-124035

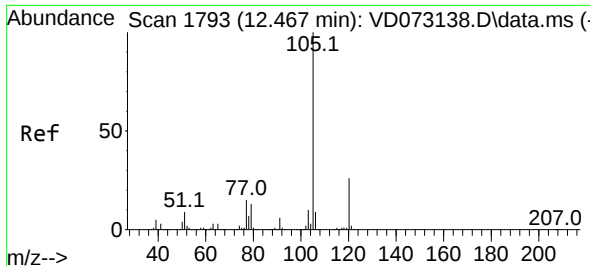
Tgt Ion:117 Resp: 583636
Ion Ratio Lower Upper
117 100
82 53.5 45.3 67.9
119 32.6 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

Tgt Ion:152 Resp: 273562
Ion Ratio Lower Upper
152 100
115 60.0 31.3 93.8
150 158.7 0.0 348.6

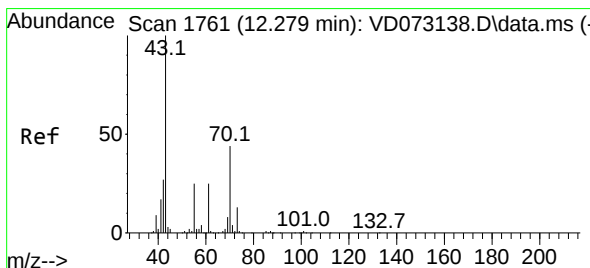
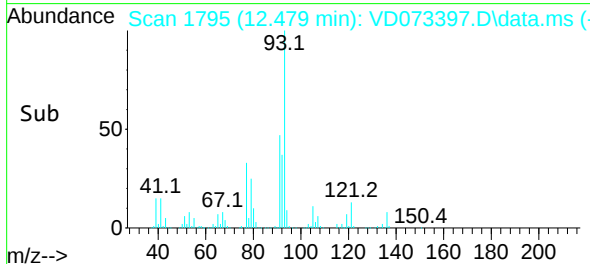
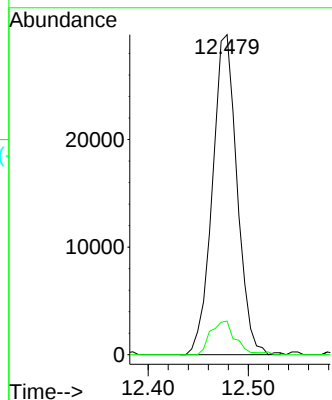
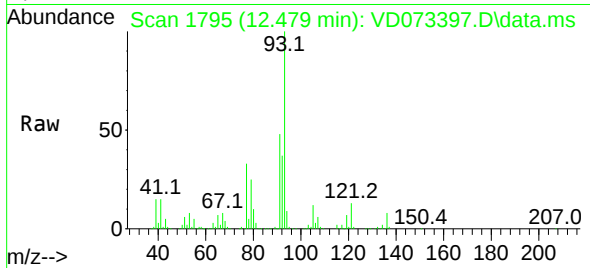




#73
Isopropylbenzene
Concen: 2.611 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.012 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

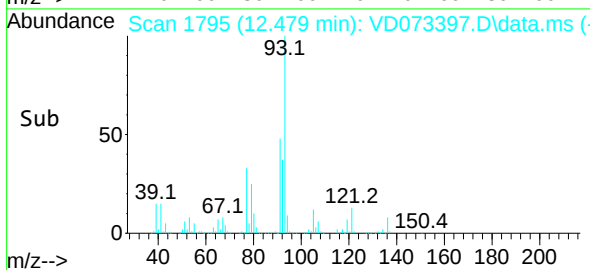
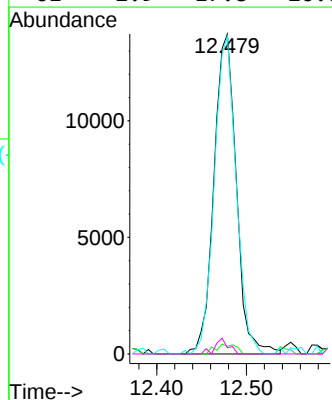
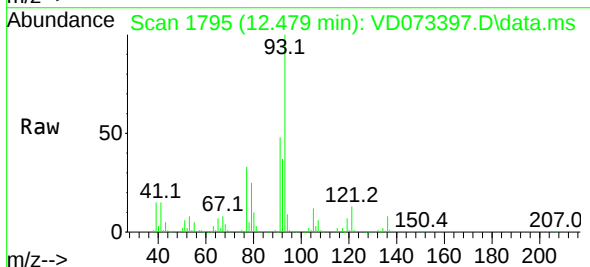
Instrument :
MSVOA_D
ClientSampleId :
PSC-124035

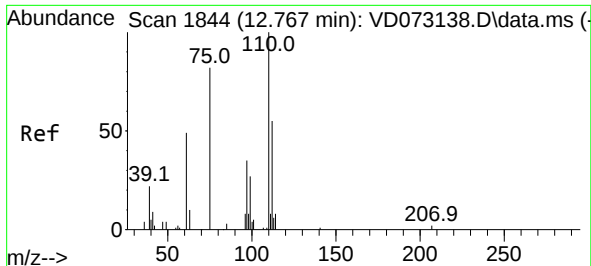
Tgt Ion:105 Resp: 50923
Ion Ratio Lower Upper
105 100
120 10.8 13.0 38.9#



#74
N-ethyl acetate
Concen: 5.584 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.200 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

Tgt Ion: 43 Resp: 23755
Ion Ratio Lower Upper
43 100
70 2.8 31.3 46.9#
55 96.9 20.0 30.0#
61 2.9 17.8 26.8#

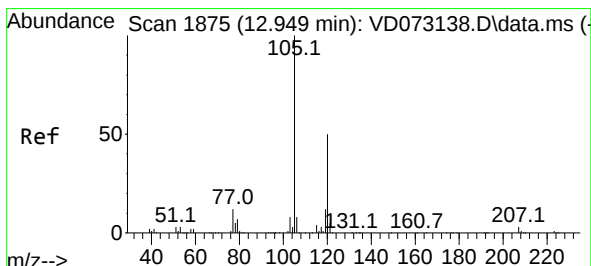
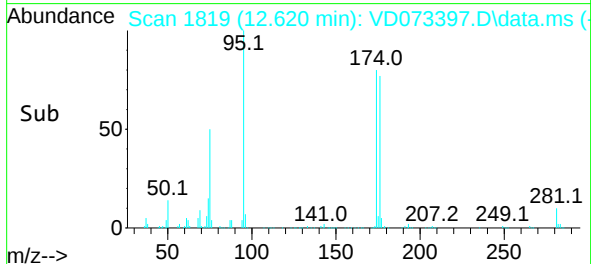
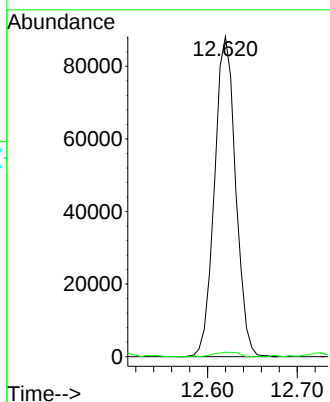
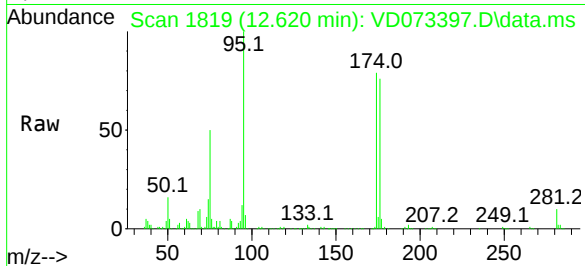




#76
1,2,3-Trichloropropane
Concen: 53.692 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

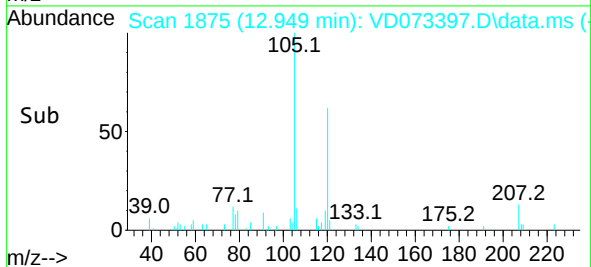
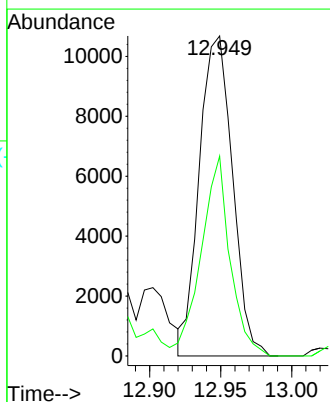
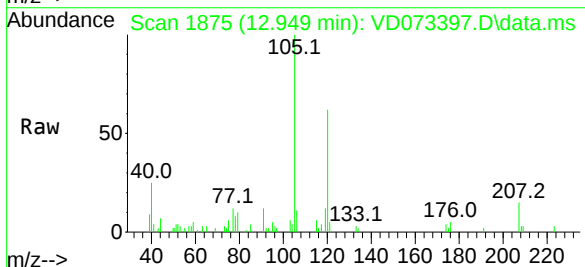
Instrument :
MSVOA_D
ClientSampleId :
PSC-124035

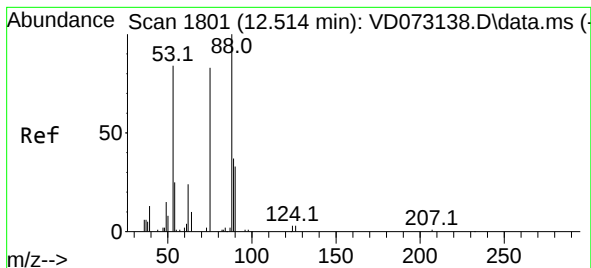
Tgt Ion: 75 Resp: 144115
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.051 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

Tgt Ion: 105 Resp: 17370
Ion Ratio Lower Upper
105 100
120 54.5 24.3 72.8

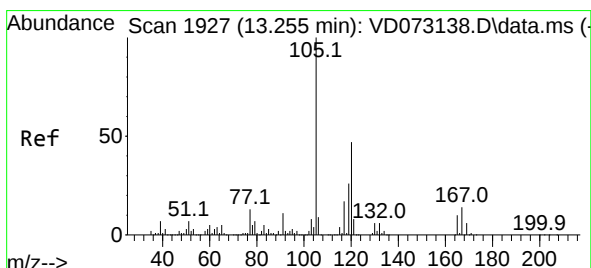
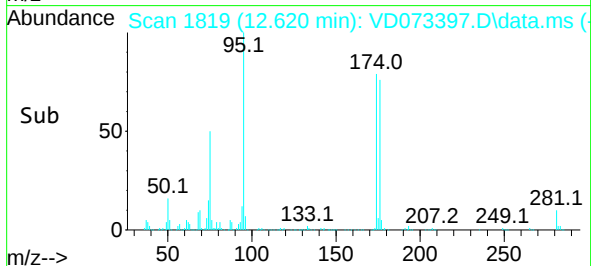
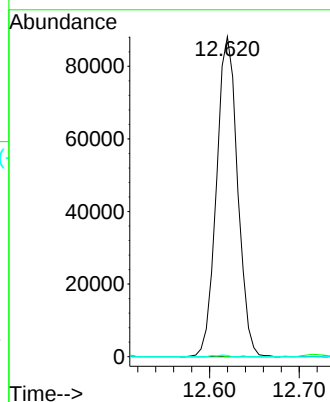
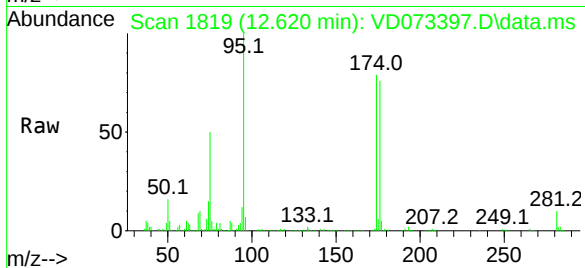




#81
trans-1,4-Dichloro-2-butene
Concen: 128.898 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

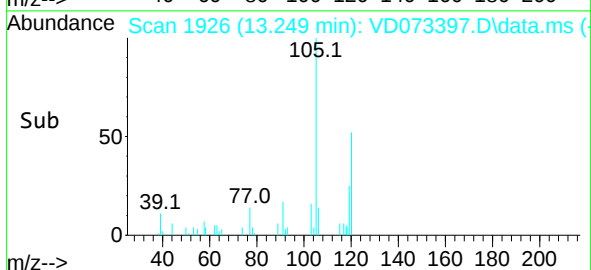
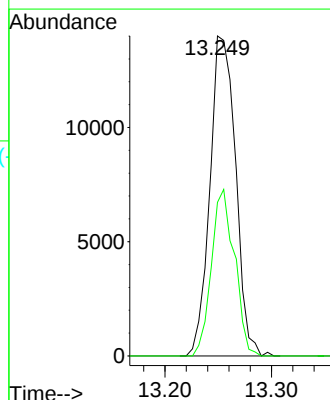
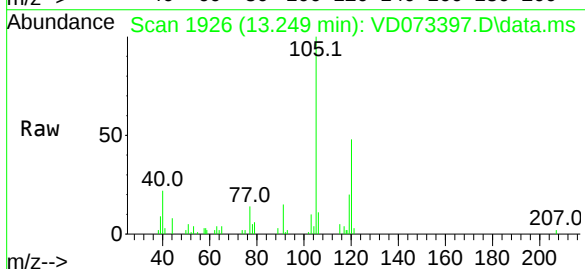
Instrument :
MSVOA_D
ClientSampleId :
PSC-124035

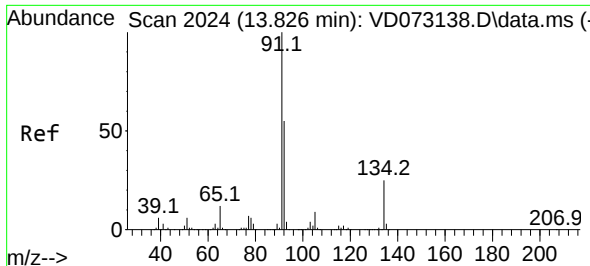
Tgt Ion: 75 Resp: 144115
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.3 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.439 ug/l
RT: 13.249 min Scan# 1926
Delta R.T. -0.006 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

Tgt Ion: 105 Resp: 23483
Ion Ratio Lower Upper
105 100
120 46.8 22.3 66.8

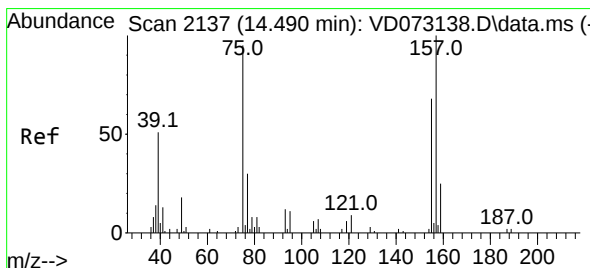
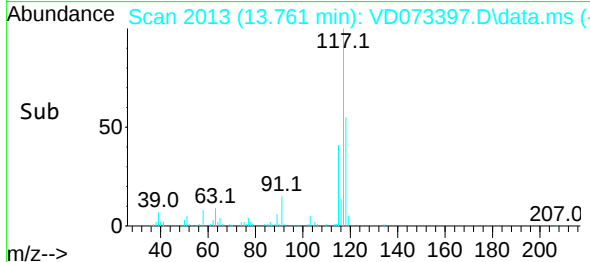
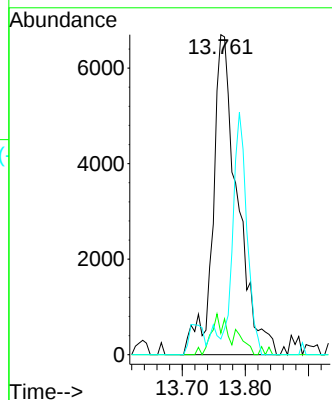
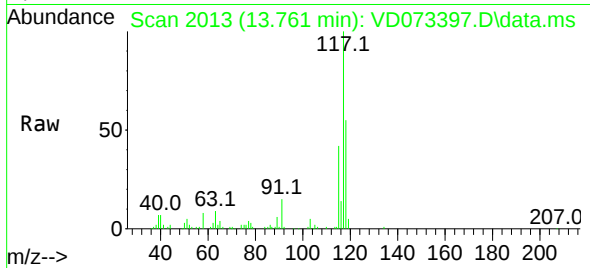




#89
n-Butylbenzene
Concen: 1.091 ug/l
RT: 13.761 min Scan# 20
Delta R.T. -0.065 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

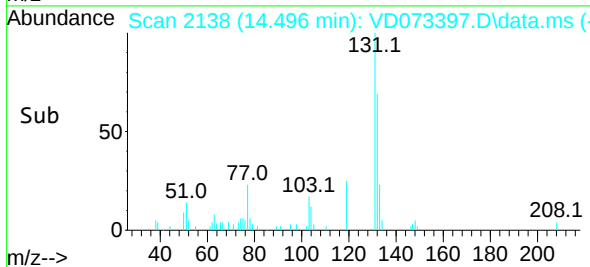
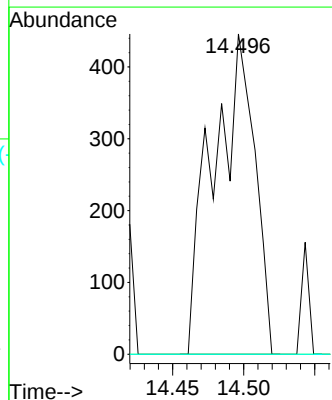
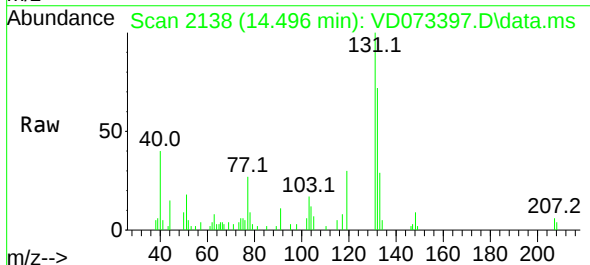
Instrument :
MSVOA_D
ClientSampleId :
PSC-124035

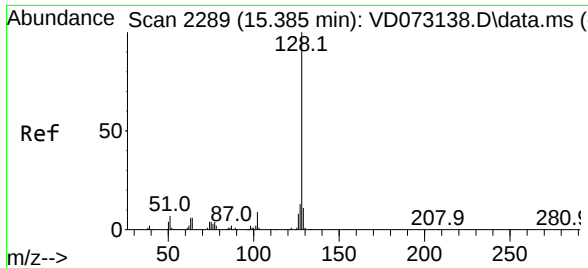
Tgt Ion: 91 Resp: 18020
Ion Ratio Lower Upper
91 100
92 7.6 26.6 79.8#
134 3.4 12.3 36.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.647 ug/l
RT: 14.496 min Scan# 2138
Delta R.T. 0.006 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

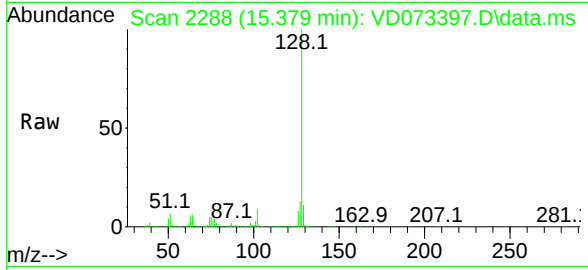
Tgt Ion: 75 Resp: 907
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#





#95
Naphthalene
Concen: 294.062 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073397.D
Acq: 26 May 2022 19:27

Instrument :
MSVOA_D
ClientSampleId :
PSC-124035



Tgt Ion:128 Resp: 2799030

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.4	12.6

