

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073095.D
 Acq On : 18 May 2022 13:22
 Operator : VA/SY
 Sample : N2847-01RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC-124019RE

Quant Time: May 18 16:30:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

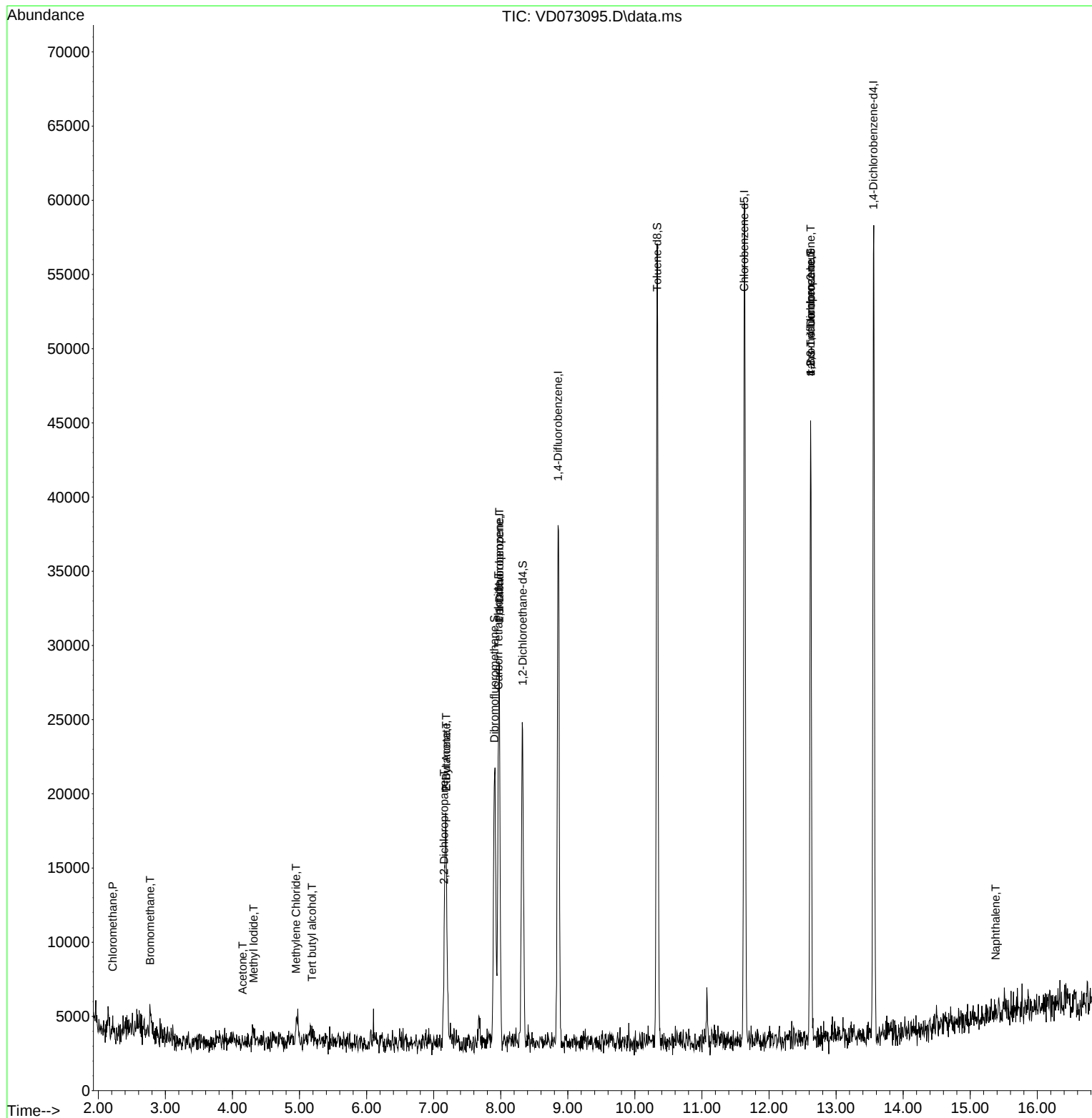
Internal Standards						
1) Pentafluorobenzene	7.979	168	17907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	29945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	33728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	13561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	16211	72.390	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.780%	
35) Dibromofluoromethane	7.903	113	13873	65.984	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 131.960%	
50) Toluene-d8	10.332	98	36100	47.330	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.660%	
62) 4-Bromofluorobenzene	12.620	95	14176	51.314	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.620%	
Target Compounds						
						Qvalue
3) Chloromethane	2.215	50	454	1.967	ug/l	94
5) Bromomethane	2.773	94	1130	7.494	ug/l #	68
10) Methyl Iodide	4.315	142	1014	7.743	ug/l #	61
11) Tert butyl alcohol	5.185	59	420	12.125	ug/l #	74
16) Acetone	4.150	43	203	5.009	ug/l #	47
20) Methylene Chloride	4.950	84	554	1.884	ug/l #	54
25) 2-Butanone	7.185	43	208	3.390	ug/l #	52
26) 2,2-Dichloropropane	7.156	77	748	2.007	ug/l #	54
36) 1,1-Dichloropropene	7.979	75	1014	2.960	ug/l #	43
37) Ethyl Acetate	7.185	43	208	1.446	ug/l #	72
38) Carbon Tetrachloride	7.967	117	2452	6.996	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	6880	44.880	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	6880	107.611	ug/l #	7
95) Naphthalene	15.379	128	167	4.549	ug/l #	70

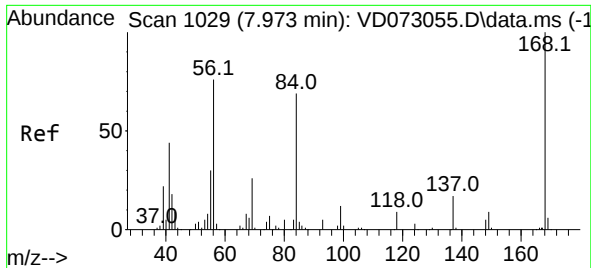
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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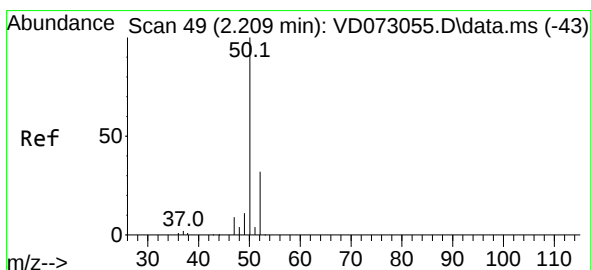
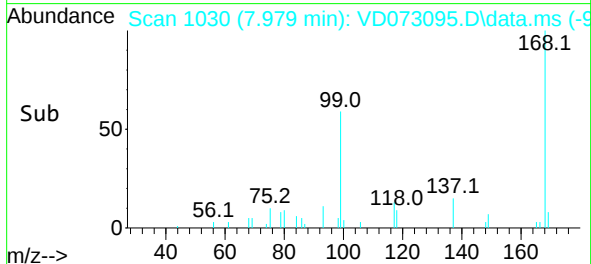
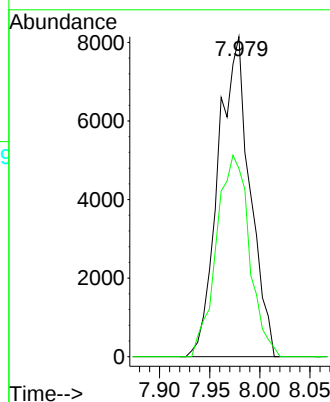
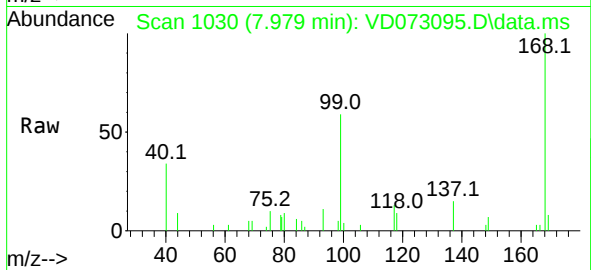




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD073095.D
Acq: 18 May 2022 13:22

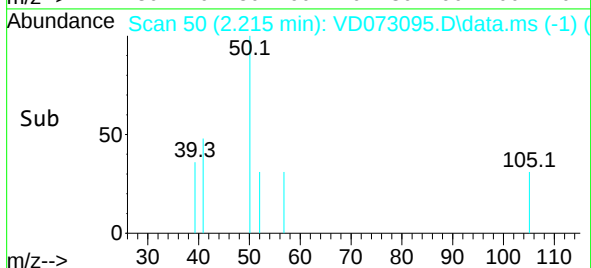
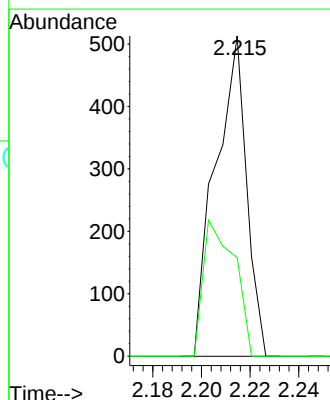
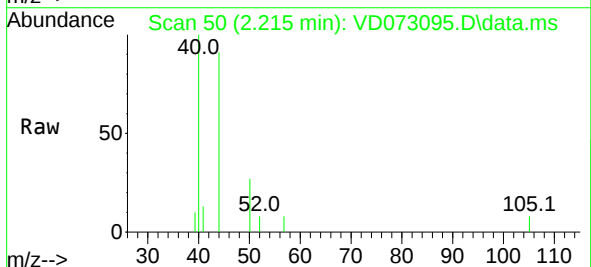
Instrument :
MSVOA_D
ClientSampleId :
PSC-124019RE

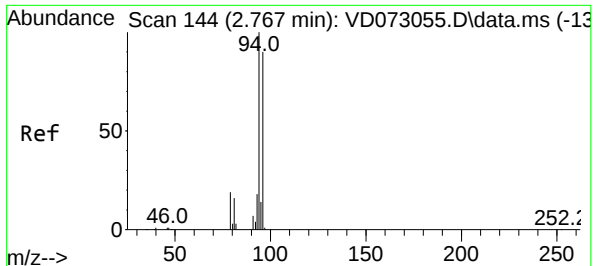
Tgt Ion:168 Resp: 17907
Ion Ratio Lower Upper
168 100
99 58.8 49.8 74.6



#3
Chloromethane
Concen: 1.967 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD073095.D
Acq: 18 May 2022 13:22

Tgt Ion: 50 Resp: 454
Ion Ratio Lower Upper
50 100
52 30.8 27.4 41.0

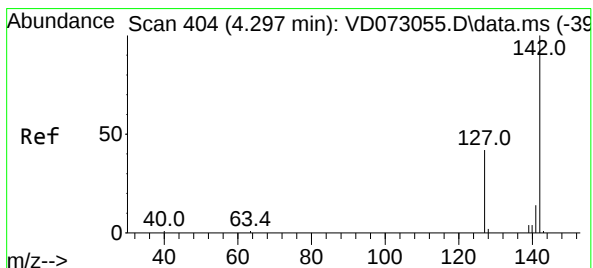
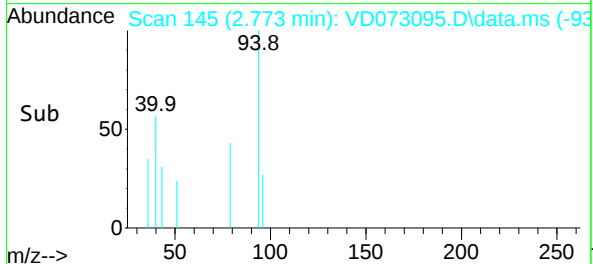
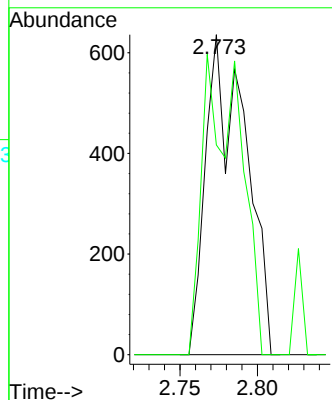
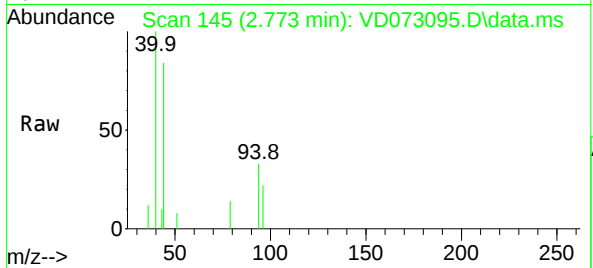




#5
Bromomethane
Concen: 7.494 ug/l
RT: 2.773 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD073095.D
Acq: 18 May 2022 13:22

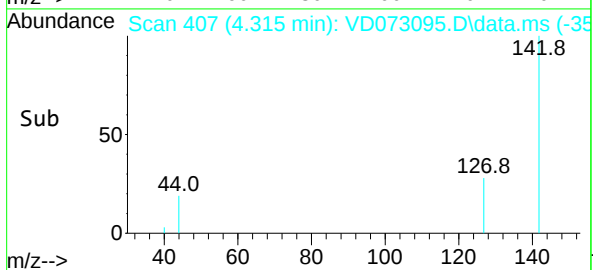
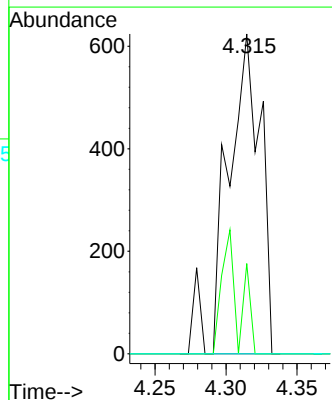
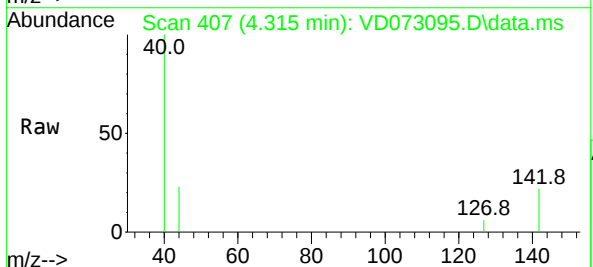
Instrument :
MSVOA_D
ClientSampleId :
PSC-124019RE

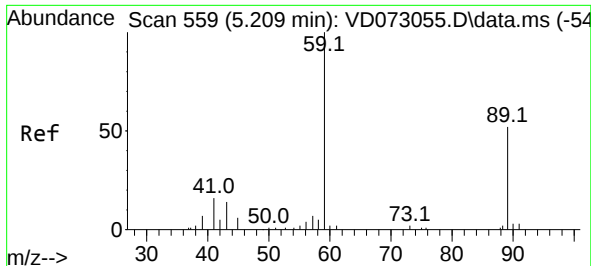
Tgt Ion: 94 Resp: 1130
Ion Ratio Lower Upper
94 100
96 65.6 77.6 116.4#



#10
Methyl Iodide
Concen: 7.743 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD073095.D
Acq: 18 May 2022 13:22

Tgt Ion: 142 Resp: 1014
Ion Ratio Lower Upper
142 100
127 19.8 37.3 55.9#
141 0.0 11.7 17.5#

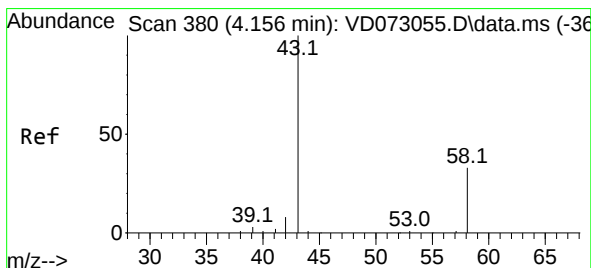
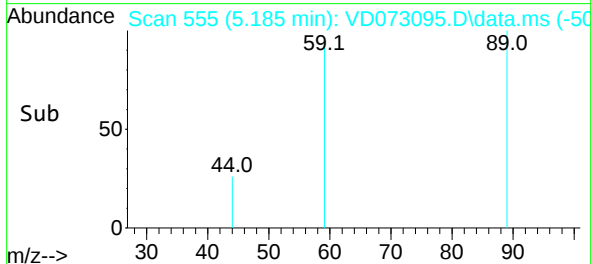
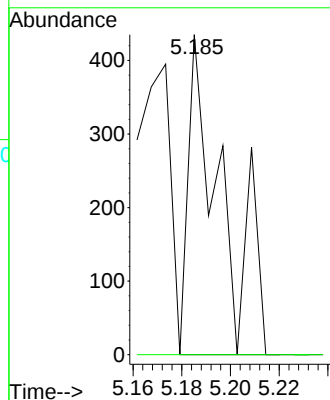
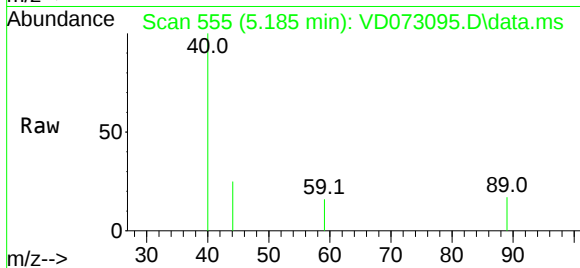




#11
Tert butyl alcohol
Concen: 12.125 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073095.D
Acq: 18 May 2022 13:22

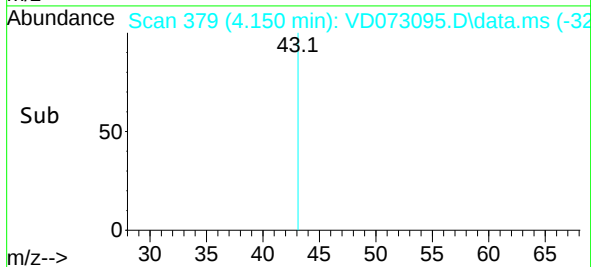
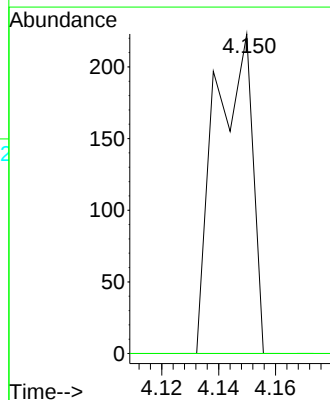
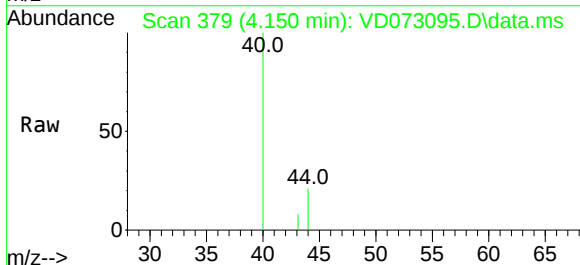
Instrument :
MSVOA_D
ClientSampleId :
PSC-124019RE

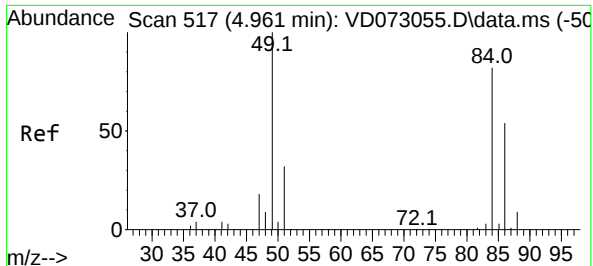
Tgt Ion: 59 Resp: 420
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 5.009 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073095.D
Acq: 18 May 2022 13:22

Tgt Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#





#20

Methylene Chloride

Concen: 1.884 ug/l

RT: 4.950 min Scan# 517

Delta R.T. -0.012 min

Lab File: VD073095.D

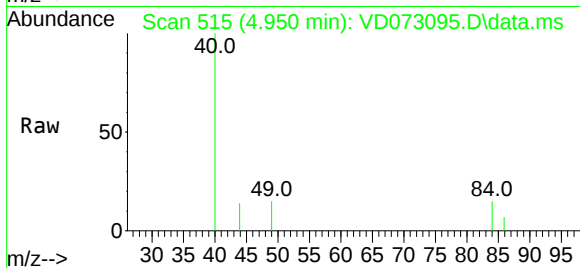
Acq: 18 May 2022 13:22

Instrument :

MSVOA_D

ClientSampleId :

PSC-124019RE



Tgt Ion: 84 Resp: 554

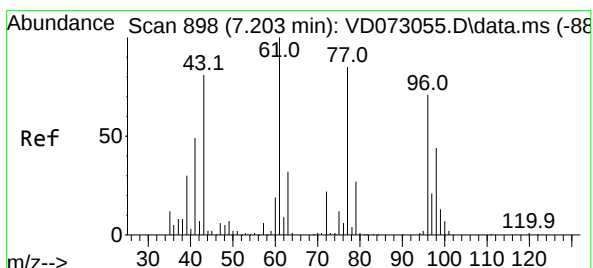
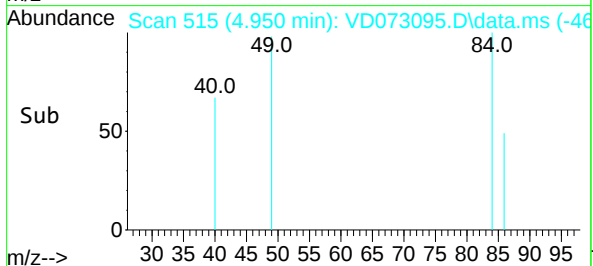
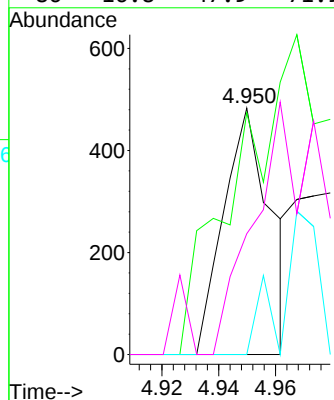
Ion Ratio Lower Upper

84 100

49 98.1 112.8 169.2#

51 0.0 32.6 48.8#

86 16.8 47.9 71.9#



#25

2-Butanone

Concen: 3.390 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.018 min

Lab File: VD073095.D

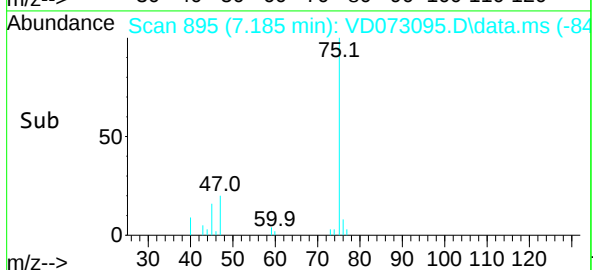
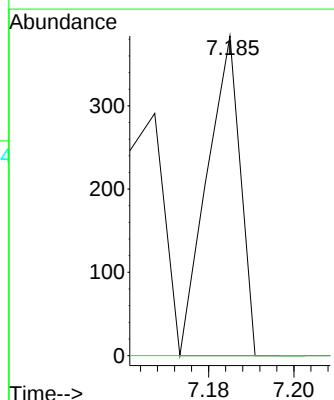
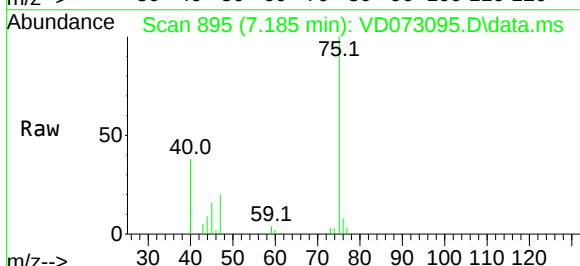
Acq: 18 May 2022 13:22

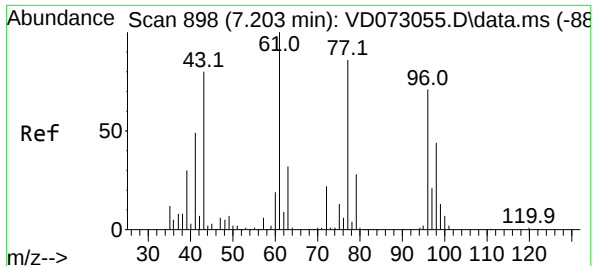
Tgt Ion: 43 Resp: 208

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 2.007 ug/l

RT: 7.156 min Scan# 89

Delta R.T. -0.047 min

Lab File: VD073095.D

Acq: 18 May 2022 13:22

Instrument :

MSVOA_D

ClientSampleId :

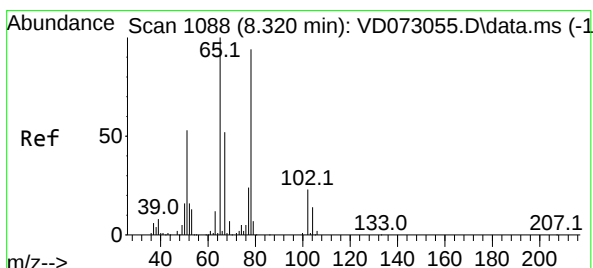
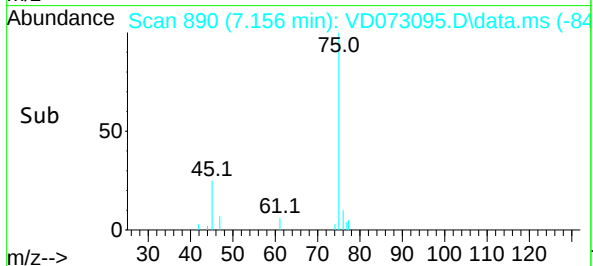
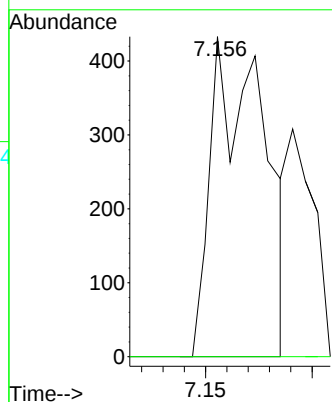
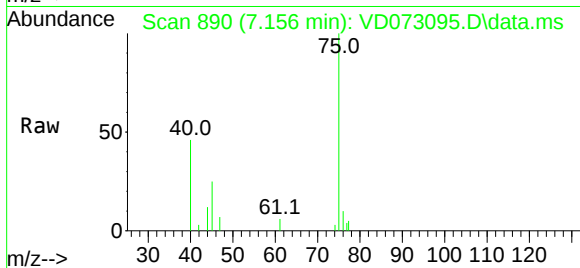
PSC-124019RE

Tgt Ion: 77 Resp: 748

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#33

1,2-Dichloroethane-d4

Concen: 72.390 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD073095.D

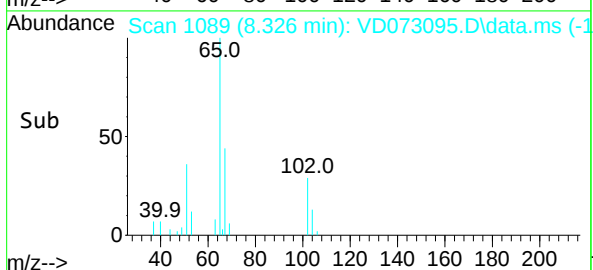
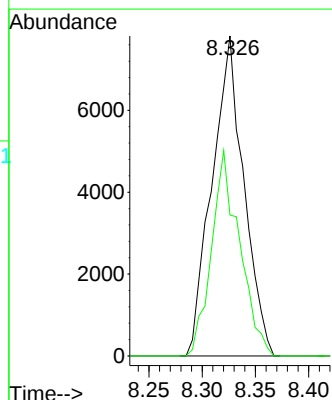
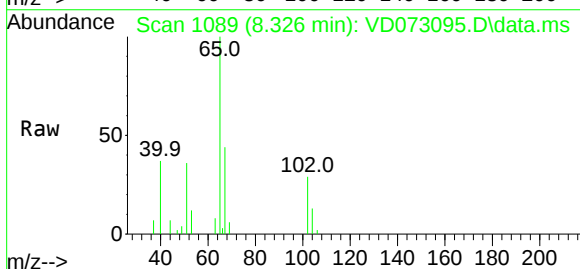
Acq: 18 May 2022 13:22

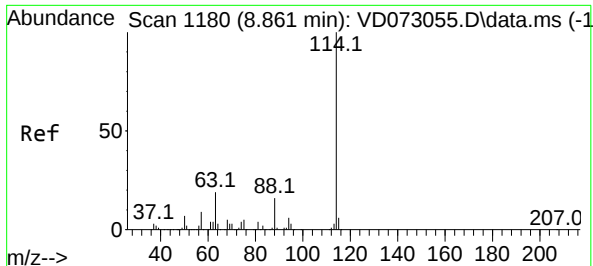
Tgt Ion: 65 Resp: 16211

Ion Ratio Lower Upper

65 100

67 56.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD073095.D

Acq: 18 May 2022 13:22

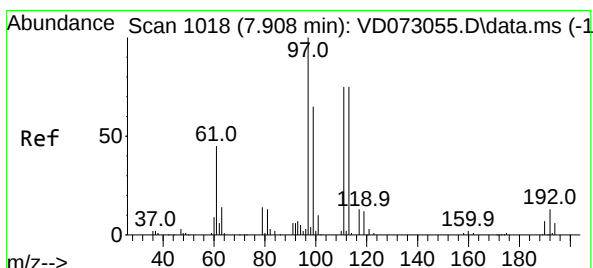
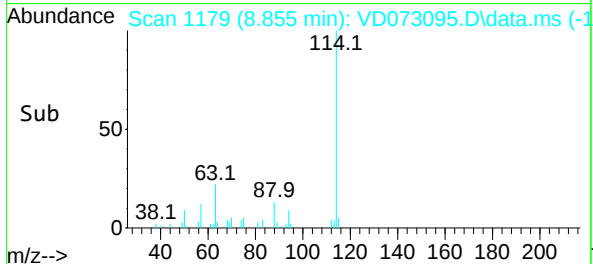
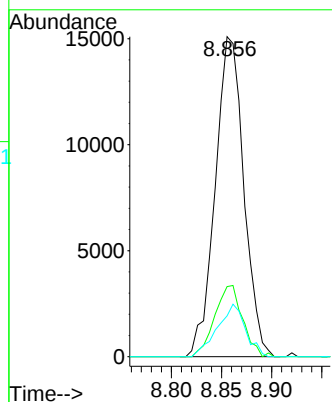
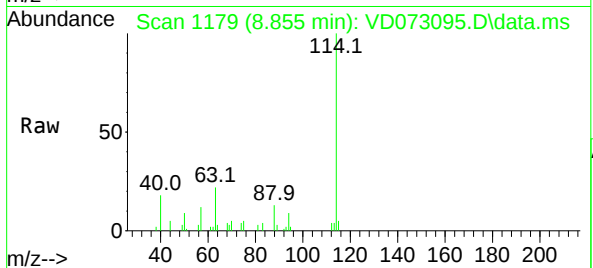
Instrument :

MSVOA_D

ClientSampleId :

PSC-124019RE

Tgt Ion:114	Resp:	29945
Ion Ratio	Lower	Upper
114	100	
63	21.9	0.0 46.6
88	12.7	0.0 33.2



#35

Dibromofluoromethane

Concen: 65.984 ug/l

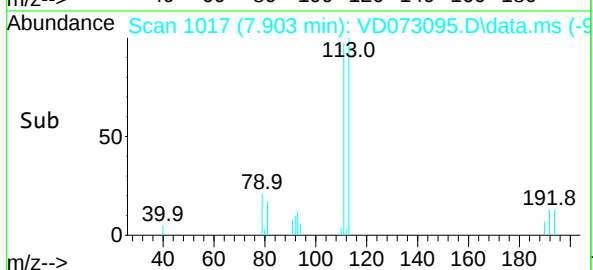
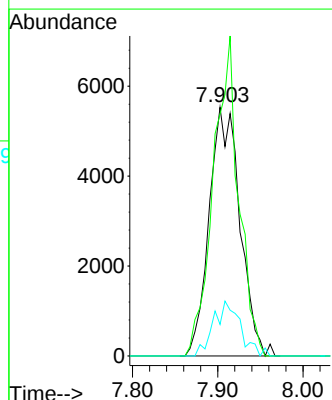
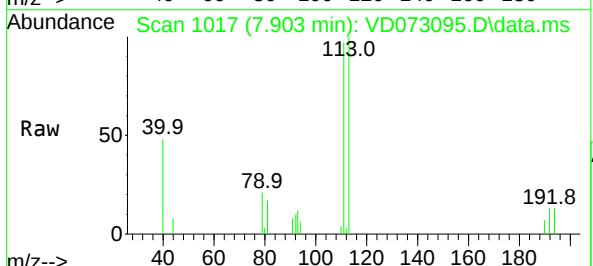
RT: 7.903 min Scan# 1017

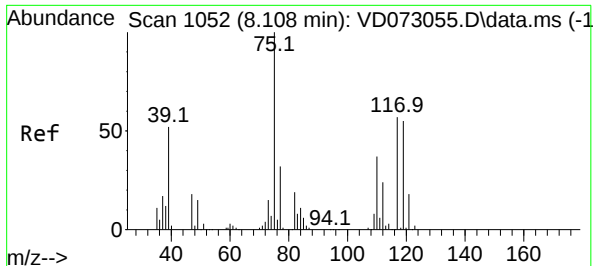
Delta R.T. -0.006 min

Lab File: VD073095.D

Acq: 18 May 2022 13:22

Tgt Ion:113	Resp:	13873
Ion Ratio	Lower	Upper
113	100	
111	106.3	83.8 125.6
192	19.3	14.6 21.8





#36

1,1-Dichloropropene

Concen: 2.960 ug/l

RT: 7.979 min Scan# 1052

Delta R.T. -0.129 min

Lab File: VD073095.D

Acq: 18 May 2022 13:22

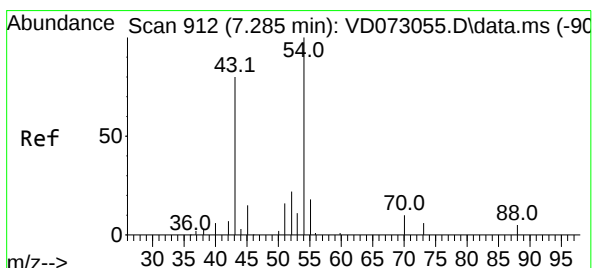
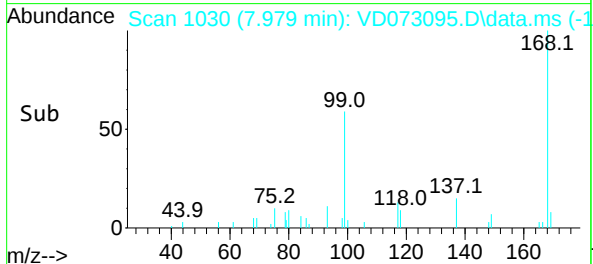
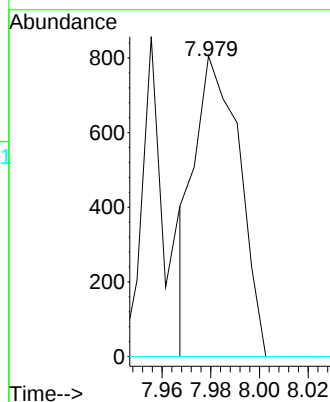
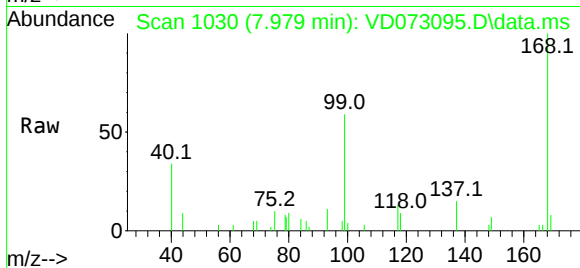
Instrument :

MSVOA_D

ClientSampleId :

PSC-124019RE

Tgt Ion: 75	Resp: 1014
Ion Ratio	Lower Upper
75 100	
110 0.0	16.4 49.1#
77 0.0	24.2 36.2#



#37

Ethyl Acetate

Concen: 1.446 ug/l

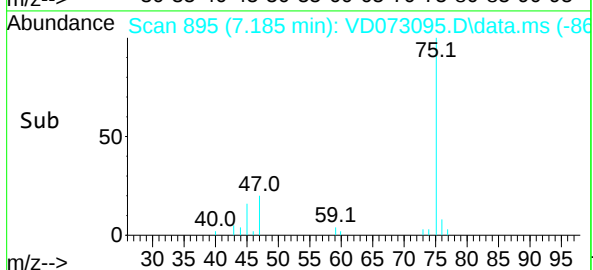
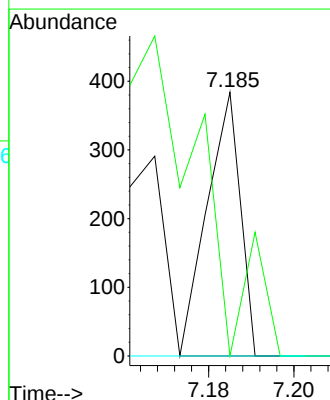
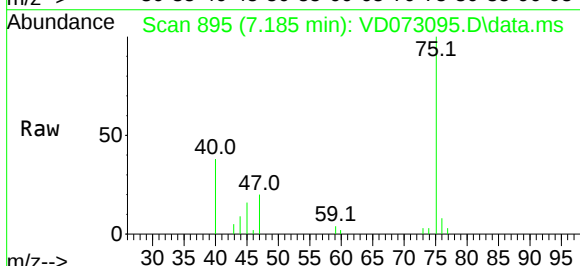
RT: 7.185 min Scan# 895

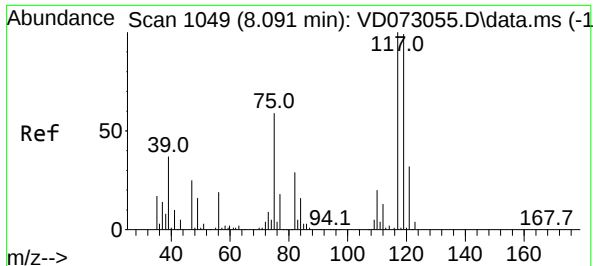
Delta R.T. -0.100 min

Lab File: VD073095.D

Acq: 18 May 2022 13:22

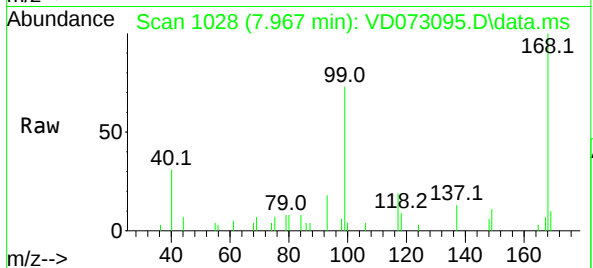
Tgt Ion: 43	Resp: 208
Ion Ratio	Lower Upper
43 100	
61 0.0	9.8 14.8#
70 0.0	6.9 10.3#



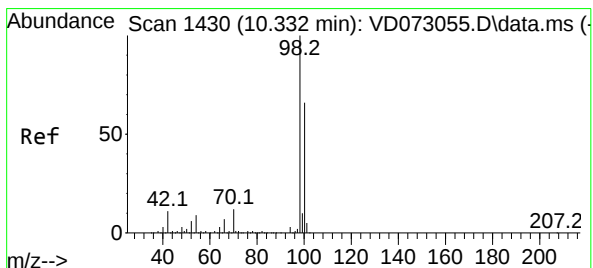
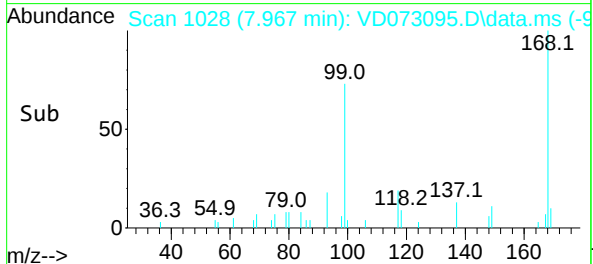
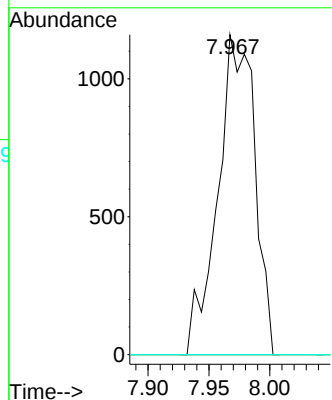


#38
Carbon Tetrachloride
Concen: 6.996 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD073095.D
Acq: 18 May 2022 13:22

Instrument :
MSVOA_D
ClientSampleId :
PSC-124019RE

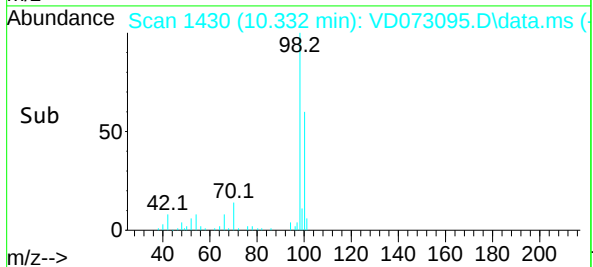
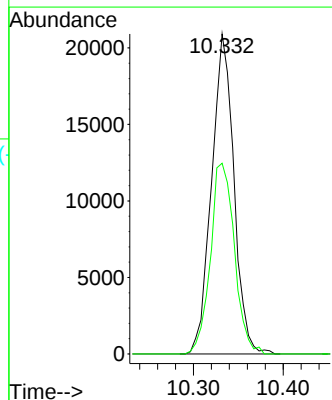
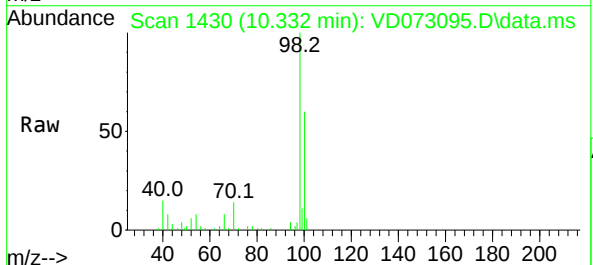


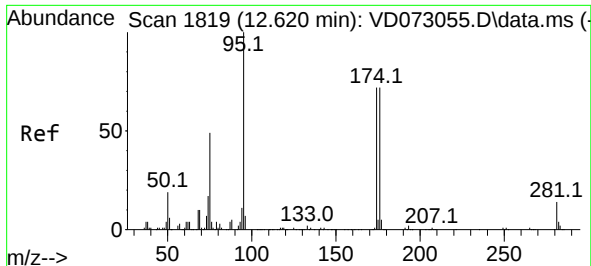
Tgt Ion:117 Resp: 2452
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 47.330 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073095.D
Acq: 18 May 2022 13:22

Tgt Ion: 98 Resp: 36100
Ion Ratio Lower Upper
98 100
100 64.1 52.4 78.6

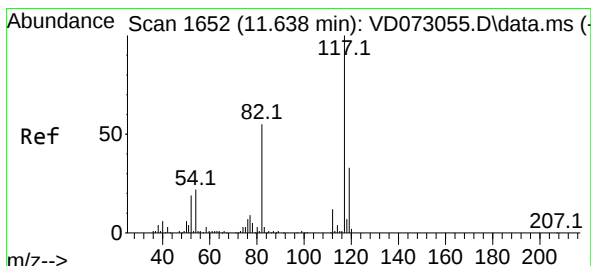
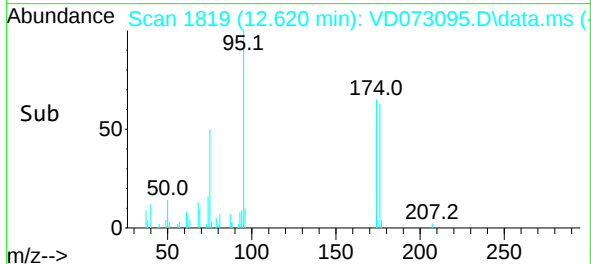
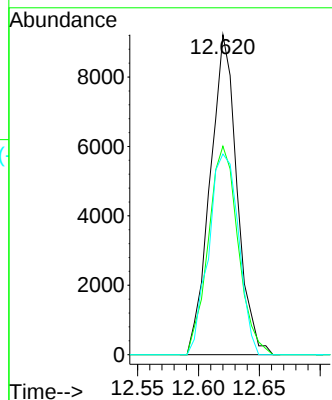
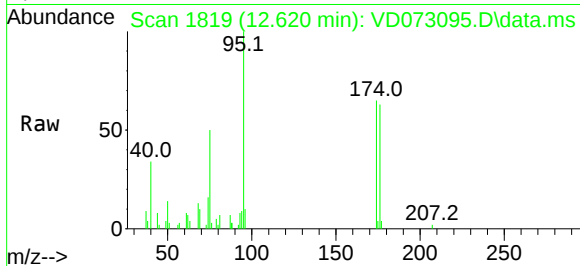




#62
4-Bromofluorobenzene
Concen: 51.314 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073095.D
Acq: 18 May 2022 13:22

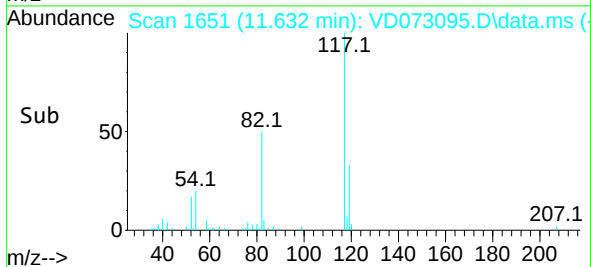
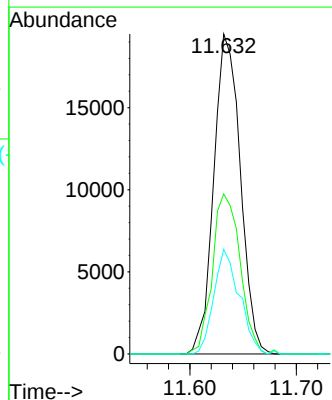
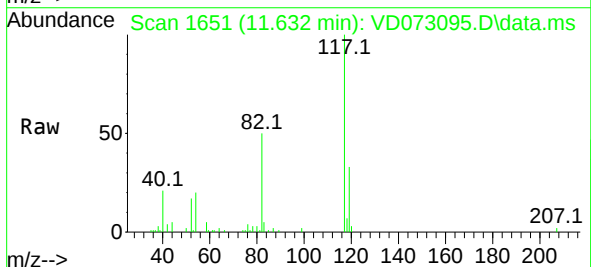
Instrument :
MSVOA_D
ClientSampleId :
PSC-124019RE

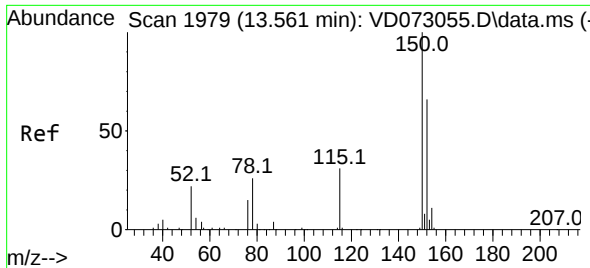
Tgt Ion: 95 Resp: 14176
Ion Ratio Lower Upper
95 100
174 72.0 0.0 152.8
176 69.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073095.D
Acq: 18 May 2022 13:22

Tgt Ion: 117 Resp: 33728
Ion Ratio Lower Upper
117 100
82 50.0 45.3 67.9
119 32.6 26.6 40.0

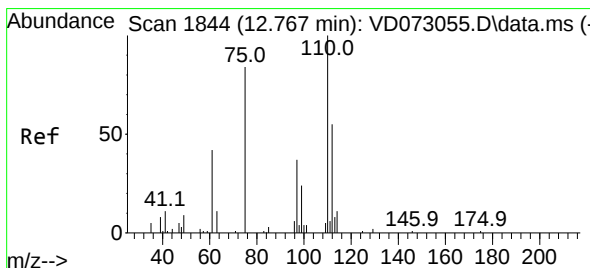
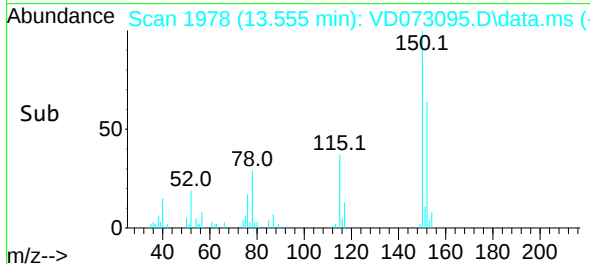
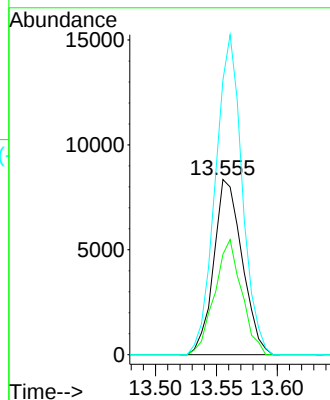
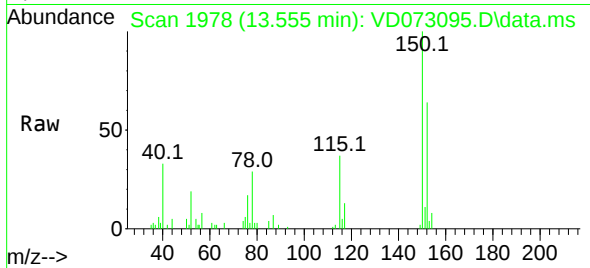




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.555 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD073095.D
 Acq: 18 May 2022 13:22

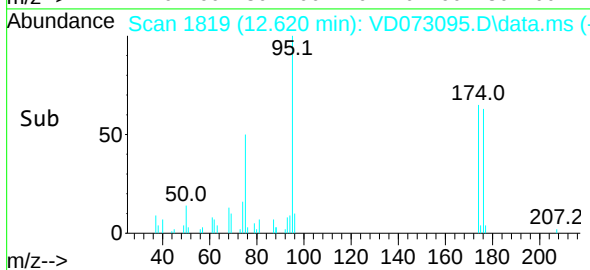
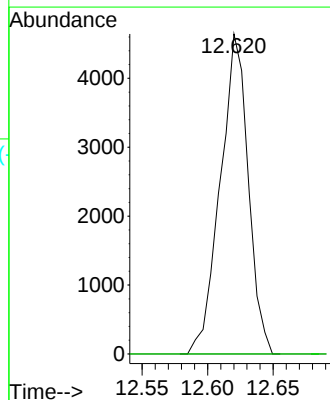
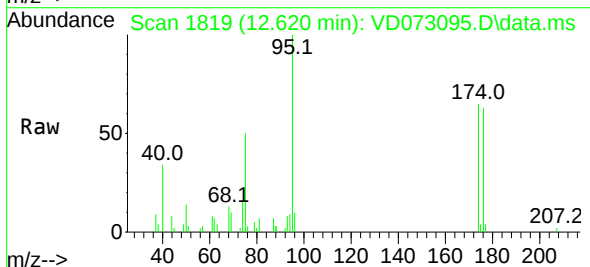
Instrument :
 MSVOA_D
 ClientSampleId :
 PSC-124019RE

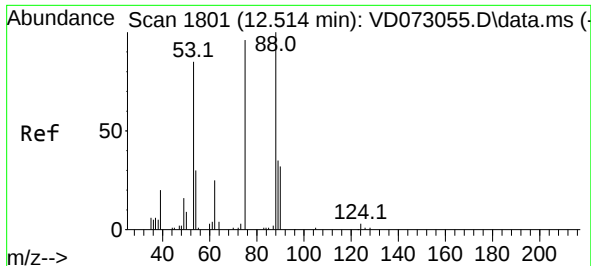
Tgt Ion:152 Resp: 13561
 Ion Ratio Lower Upper
 152 100
 115 62.6 31.3 93.8
 150 171.9 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 44.880 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073095.D
 Acq: 18 May 2022 13:22

Tgt Ion: 75 Resp: 6880
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

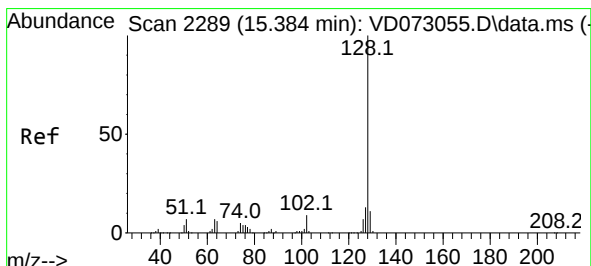
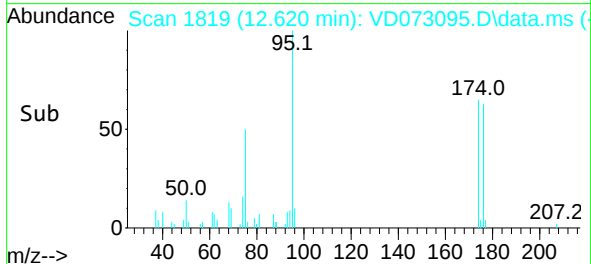
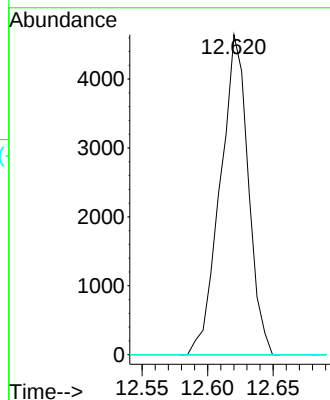
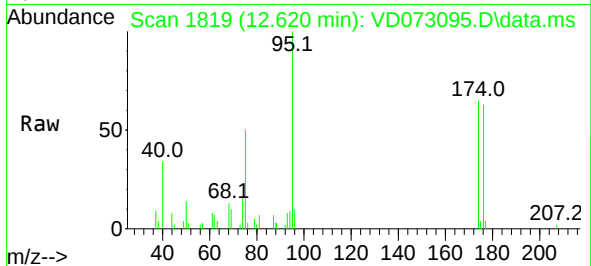




#81
trans-1,4-Dichloro-2-butene
Concen: 107.611 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073095.D
Acq: 18 May 2022 13:22

Instrument :
MSVOA_D
ClientSampleId :
PSC-124019RE

Tgt Ion: 75 Resp: 6880
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.549 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD073095.D
Acq: 18 May 2022 13:22

Tgt Ion: 128 Resp: 167
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

