

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082422\
 Data File : VD074224.D
 Acq On : 24 Aug 2022 15:36
 Operator : VA/SY
 Sample : N4272-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC-124042

Quant Time: Aug 24 16:35:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 23 13:12:17 2022
 Response via : Initial Calibration

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

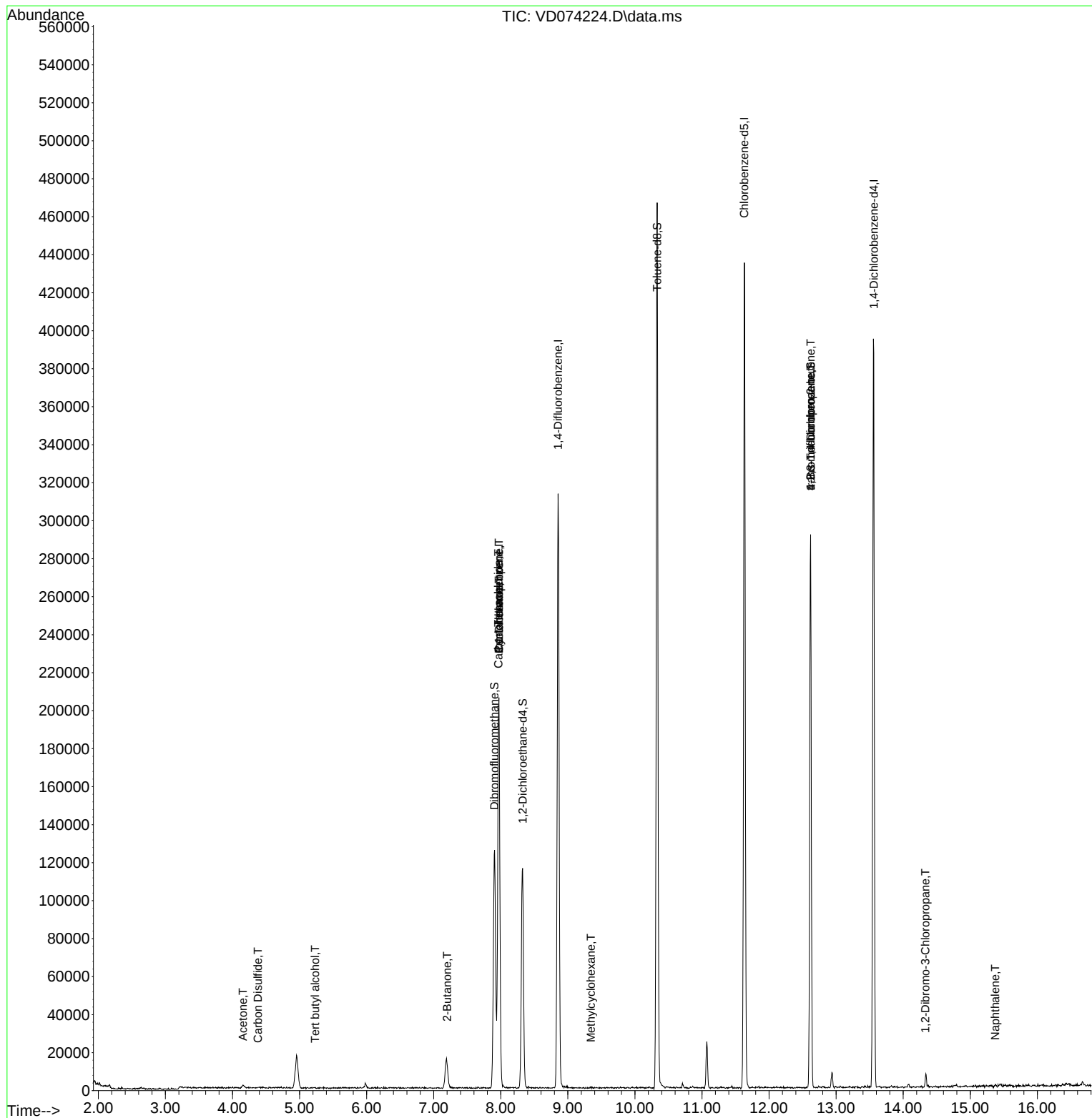
Internal Standards						
1) Pentafluorobenzene	7.973	168	149585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	261186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	245754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	106315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	95128	62.235	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.460%	
35) Dibromofluoromethane	7.903	113	91433	52.336	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.680%	
50) Toluene-d8	10.332	98	304964	54.238	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.480%	
62) 4-Bromofluorobenzene	12.620	95	97549	43.916	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.232	59	137	1.439	ug/l #	74
16) Acetone	4.156	43	3077	10.566	ug/l #	81
17) Carbon Disulfide	4.379	76	400	2.093	ug/l #	74
18) Methyl Acetate	4.667	43	59	Below Cal	#	55
25) 2-Butanone	7.203	43	1236	2.742	ug/l #	52
31) Cyclohexane	7.973	56	3205	1.178	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	12204	4.622	ug/l #	50
38) Carbon Tetrachloride	7.967	117	15749	5.552	ug/l #	17
39) Methylcyclohexane	9.344	83	126	2.251	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	50263	48.419	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	50263	124.516	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.332	75	611	2.715	ug/l #	6
95) Naphthalene	15.373	128	651	3.580	ug/l #	70

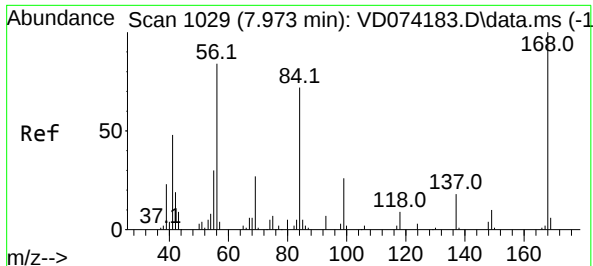
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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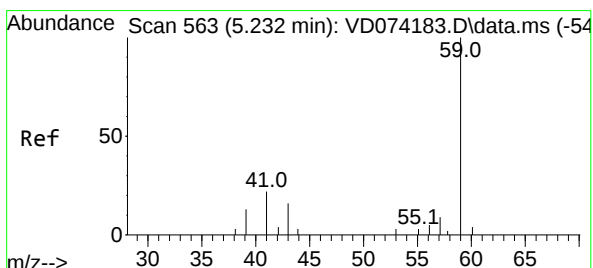
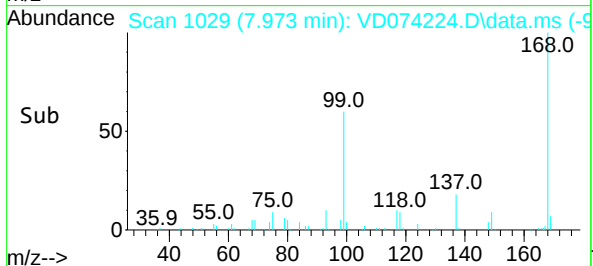
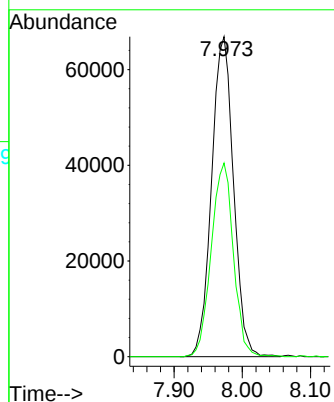
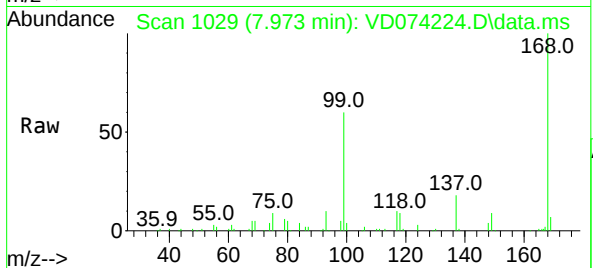




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074224.D
Acq: 24 Aug 2022 15:36

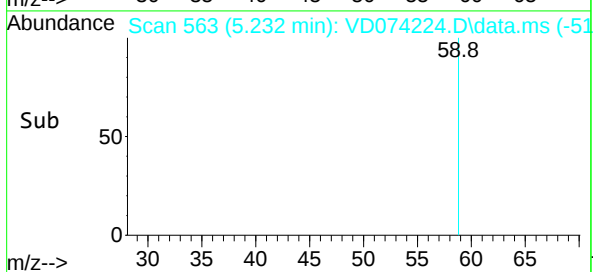
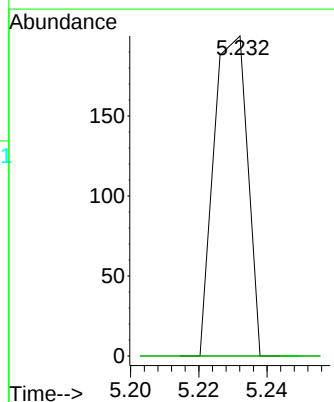
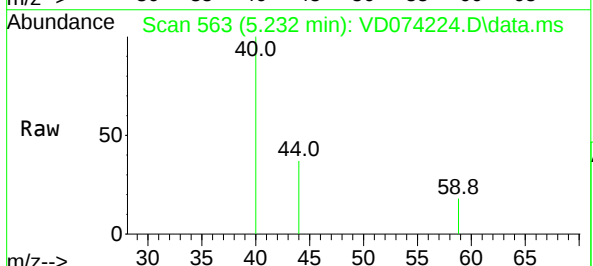
Instrument :
MSVOA_D
ClientSampleId :
PSC-124042

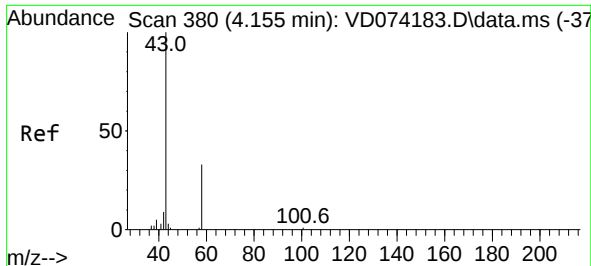
Tgt Ion:168 Resp: 149585
Ion Ratio Lower Upper
168 100
99 60.5 49.8 74.6



#11
Tert butyl alcohol
Concen: 1.439 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.000 min
Lab File: VD074224.D
Acq: 24 Aug 2022 15:36

Tgt Ion: 59 Resp: 137
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

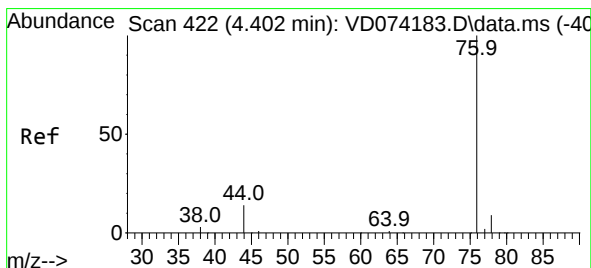
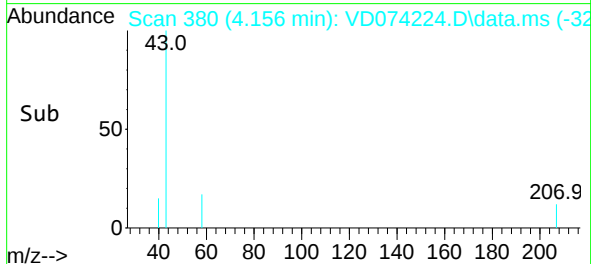
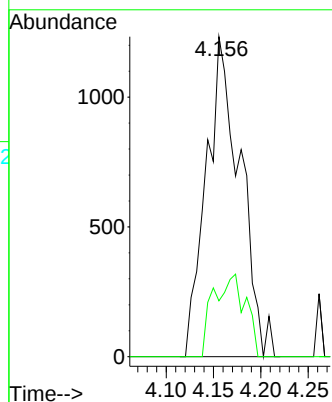
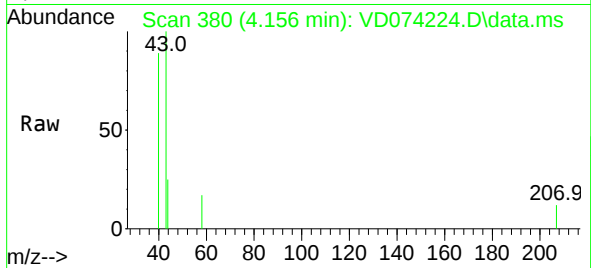




#16
Acetone
Concen: 10.566 ug/l
RT: 4.156 min Scan# 3077
Delta R.T. 0.001 min
Lab File: VD074224.D
Acq: 24 Aug 2022 15:36

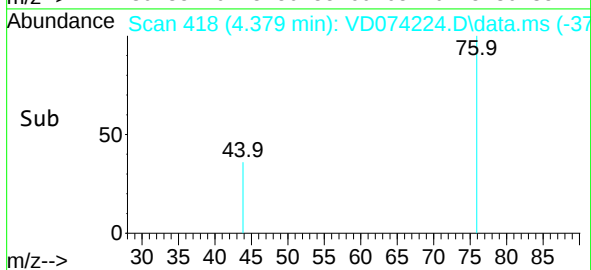
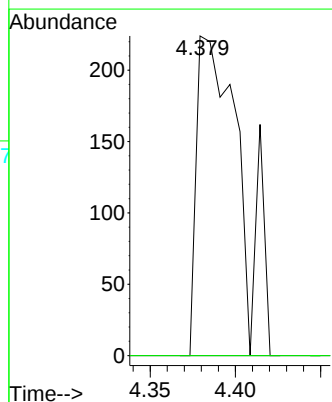
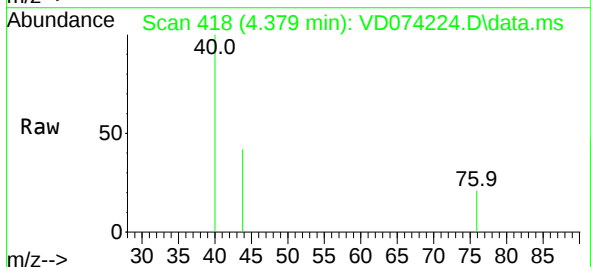
Instrument :
MSVOA_D
ClientSampleId :
PSC-124042

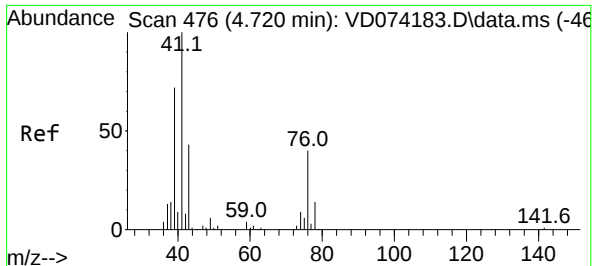
Tgt Ion: 43 Resp: 3077
Ion Ratio Lower Upper
43 100
58 17.4 22.1 33.1#



#17
Carbon Disulfide
Concen: 2.093 ug/l
RT: 4.379 min Scan# 418
Delta R.T. -0.023 min
Lab File: VD074224.D
Acq: 24 Aug 2022 15:36

Tgt Ion: 76 Resp: 400
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.667 min Scan# 41

Delta R.T. -0.053 min

Lab File: VD074224.D

Acq: 24 Aug 2022 15:36

Instrument :

MSVOA_D

ClientSampleId :

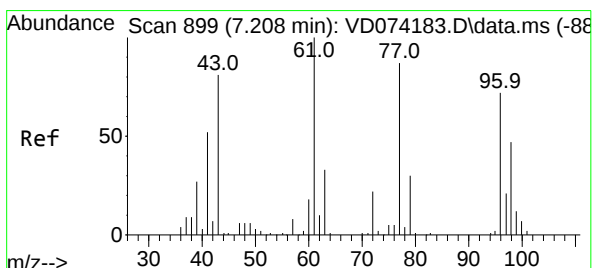
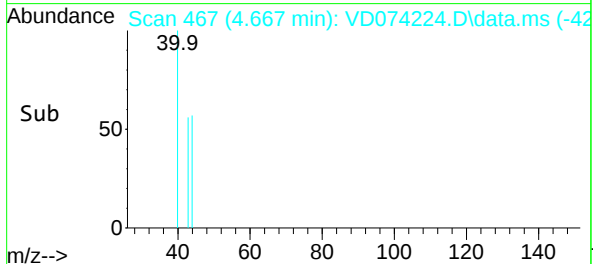
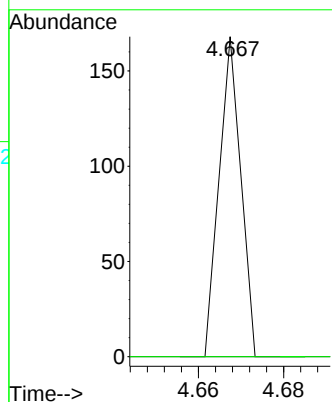
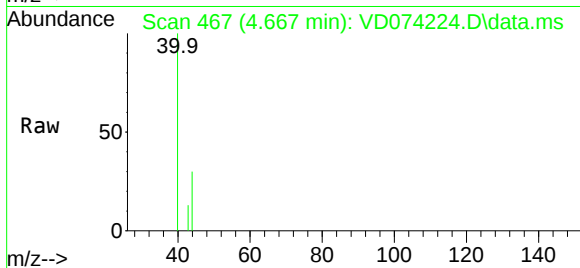
PSC-124042

Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#25

2-Butanone

Concen: 2.742 ug/l

RT: 7.203 min Scan# 898

Delta R.T. -0.005 min

Lab File: VD074224.D

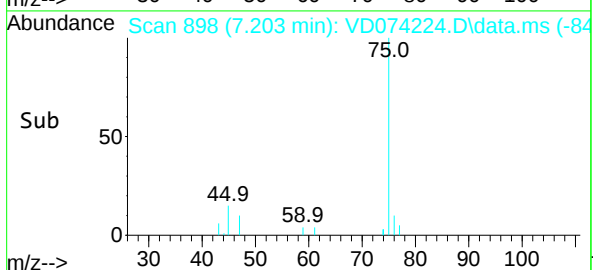
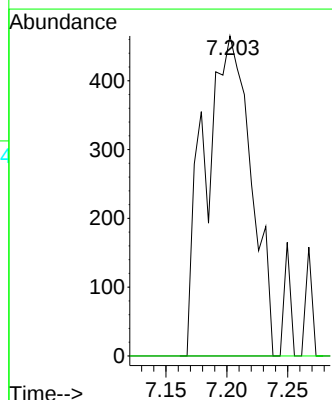
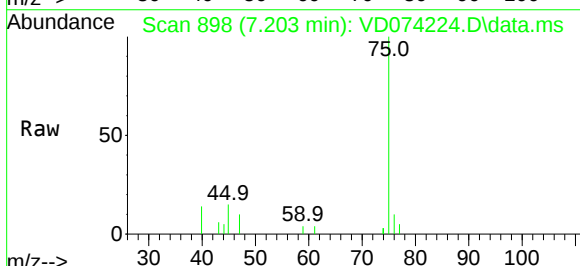
Acq: 24 Aug 2022 15:36

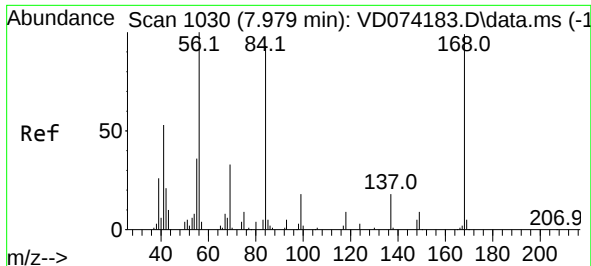
Tgt Ion: 43 Resp: 1236

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.178 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD074224.D

Acq: 24 Aug 2022 15:36

Instrument :

MSVOA_D

ClientSampleId :

PSC-124042

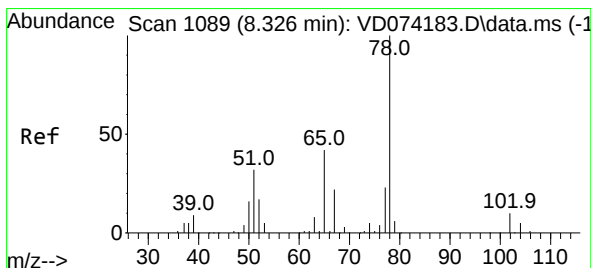
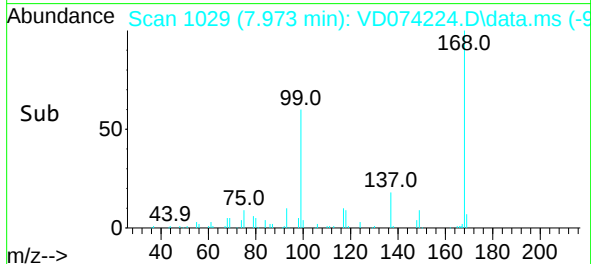
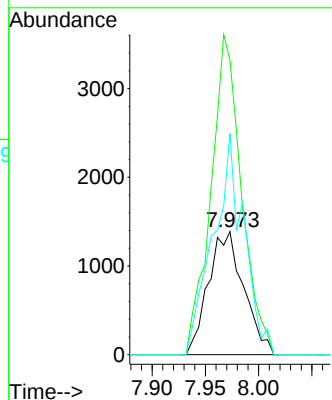
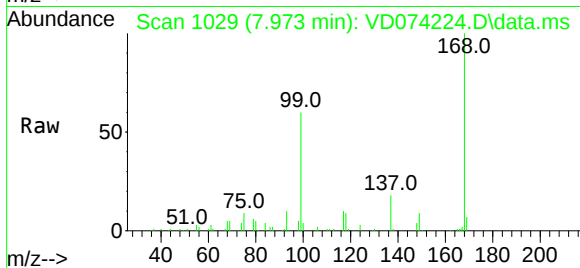
Tgt Ion: 56 Resp: 3205

Ion Ratio Lower Upper

56 100

69 239.4 25.4 38.2#

84 180.0 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 62.235 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD074224.D

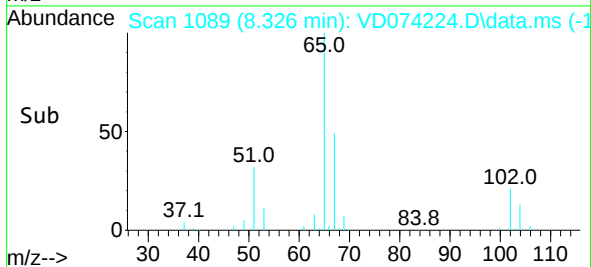
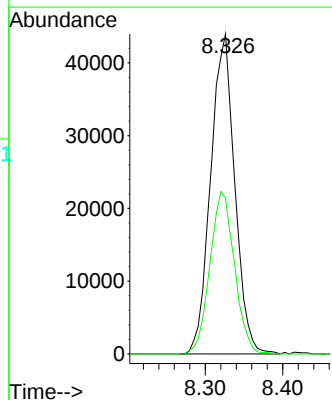
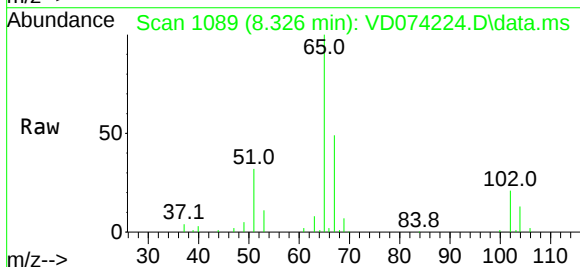
Acq: 24 Aug 2022 15:36

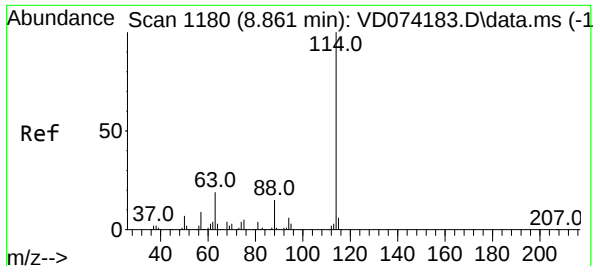
Tgt Ion: 65 Resp: 95128

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD074224.D

Acq: 24 Aug 2022 15:36

Instrument :

MSVOA_D

ClientSampleId :

PSC-124042

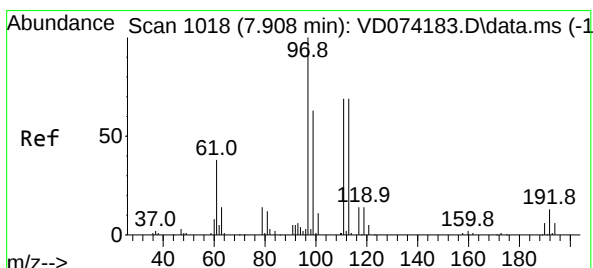
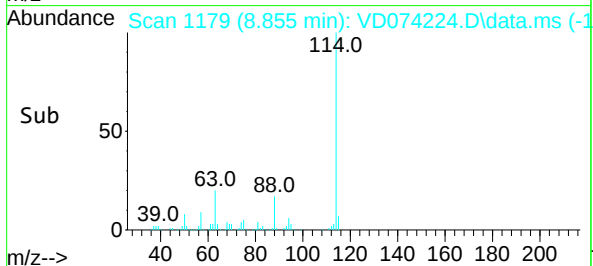
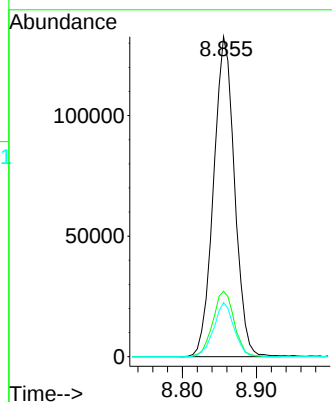
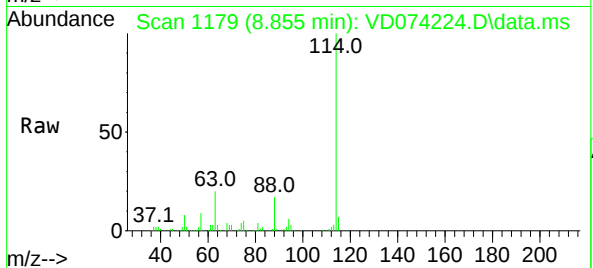
Tgt Ion:114 Resp: 261186

Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 16.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.336 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.005 min

Lab File: VD074224.D

Acq: 24 Aug 2022 15:36

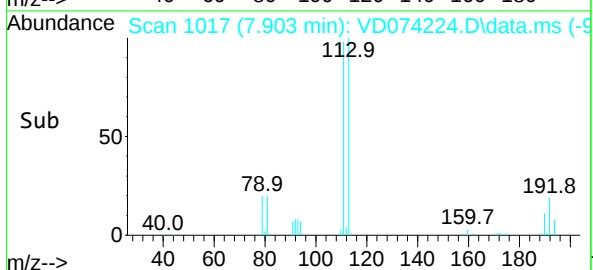
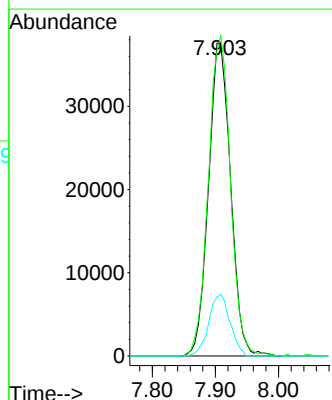
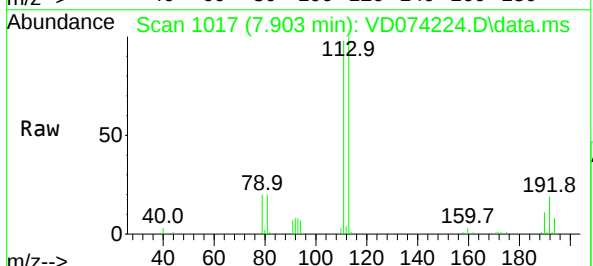
Tgt Ion:113 Resp: 91433

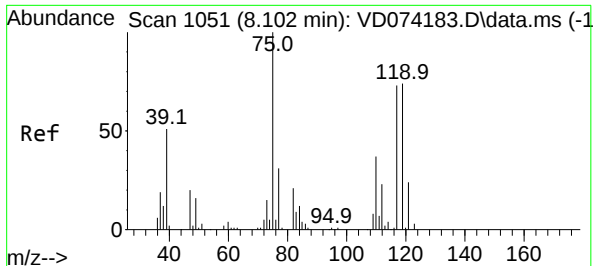
Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.6

192 18.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.622 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD074224.D

Acq: 24 Aug 2022 15:36

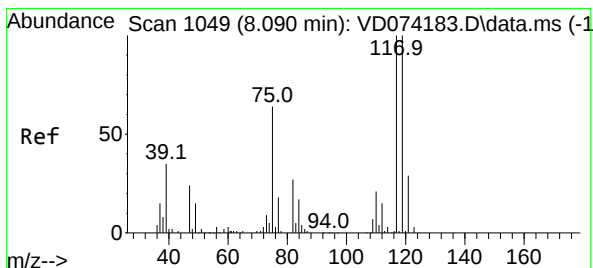
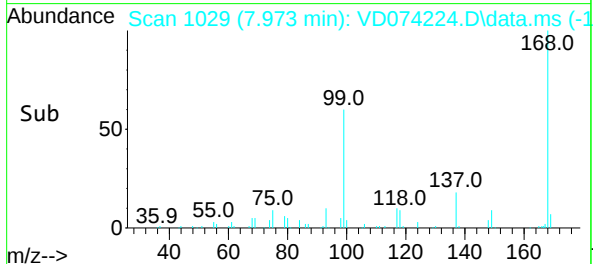
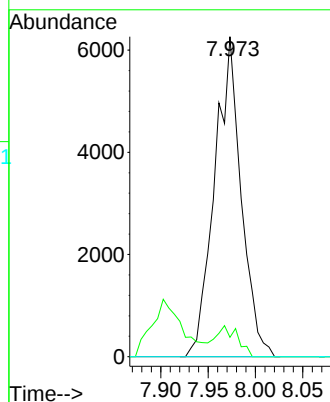
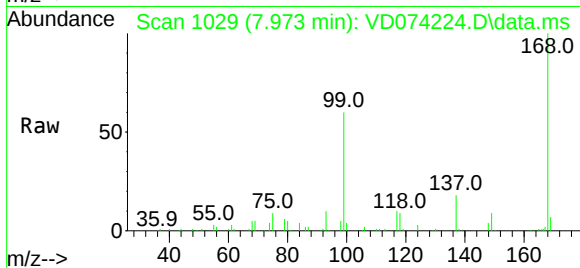
Instrument :

MSVOA_D

ClientSampleId :

PSC-124042

Tgt Ion: 75	Resp: 12204
Ion Ratio	Lower Upper
75 100	
110 7.9	16.4 49.1#
77 0.0	24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.552 ug/l

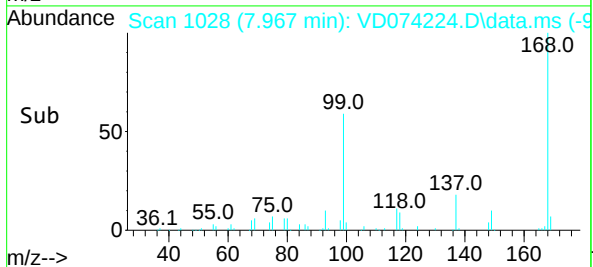
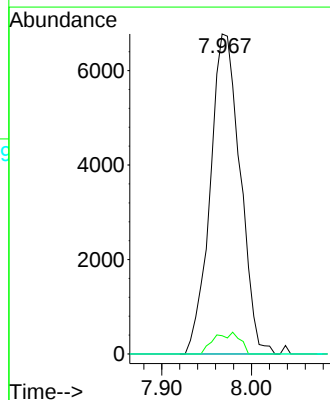
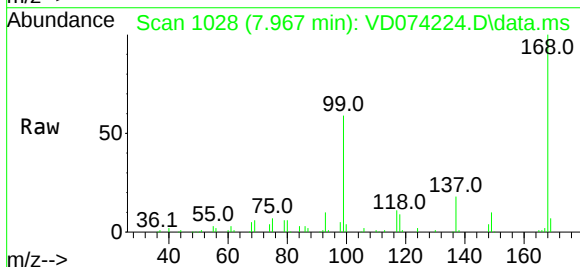
RT: 7.967 min Scan# 1028

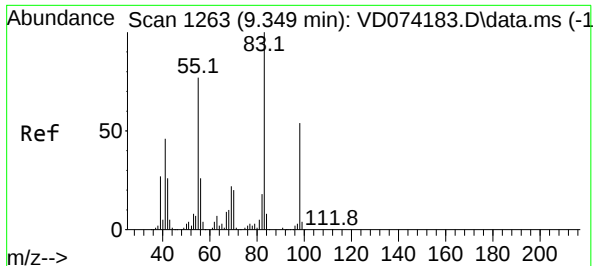
Delta R.T. -0.123 min

Lab File: VD074224.D

Acq: 24 Aug 2022 15:36

Tgt Ion: 117	Resp: 15749
Ion Ratio	Lower Upper
117 100	
119 5.7	75.8 113.6#
121 0.0	24.5 36.7#





#39

Methylcyclohexane

Concen: 2.251 ug/l

RT: 9.344 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD074224.D

Acq: 24 Aug 2022 15:36

Instrument :

MSVOA_D

ClientSampleId :

PSC-124042

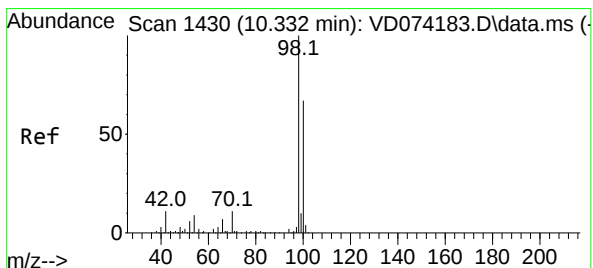
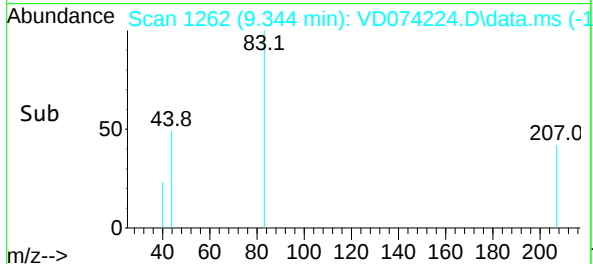
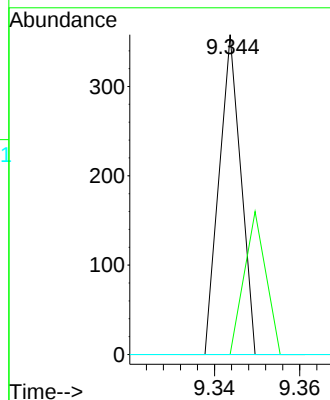
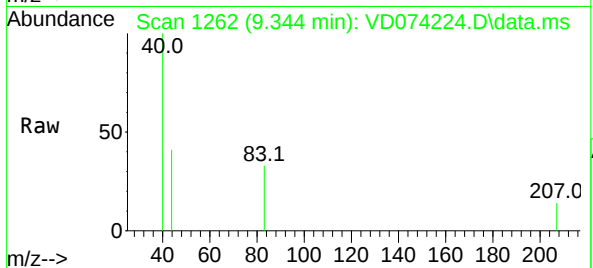
Tgt Ion: 83 Resp: 126

Ion Ratio Lower Upper

83 100

55 0.0 63.2 94.8#

98 0.0 38.2 57.4#



#50

Toluene-d8

Concen: 54.238 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD074224.D

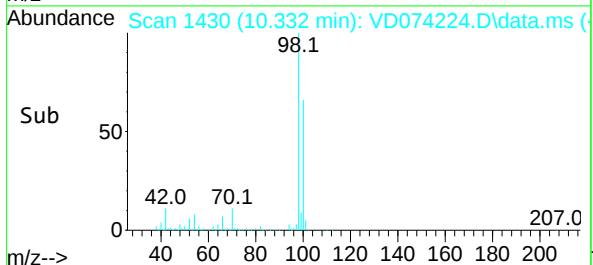
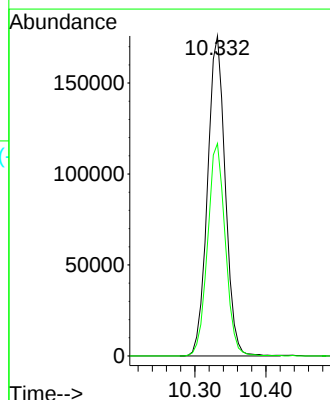
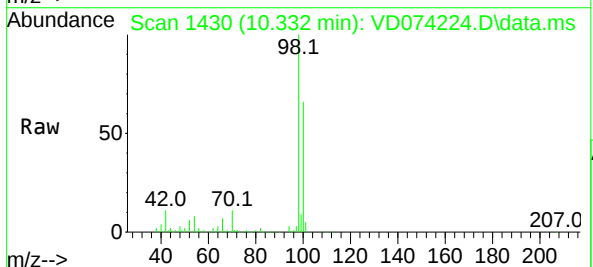
Acq: 24 Aug 2022 15:36

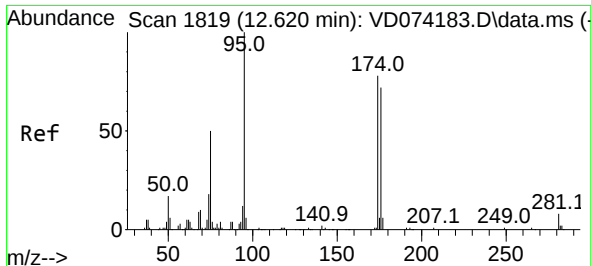
Tgt Ion: 98 Resp: 304964

Ion Ratio Lower Upper

98 100

100 66.4 52.4 78.6

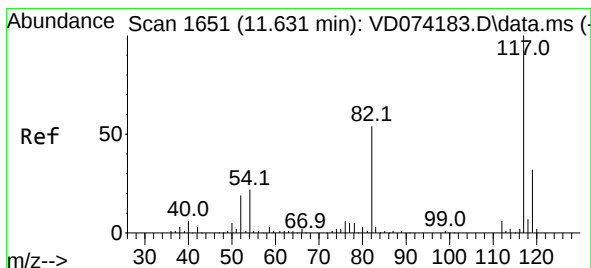
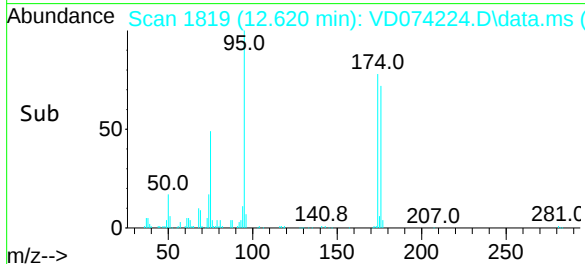
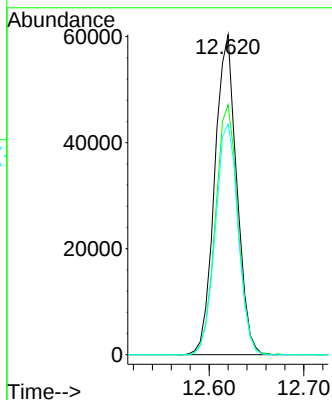
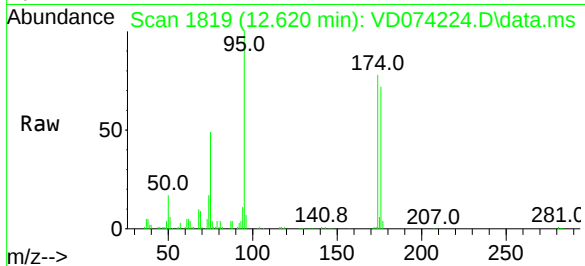




#62
4-Bromofluorobenzene
Concen: 43.916 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074224.D
Acq: 24 Aug 2022 15:36

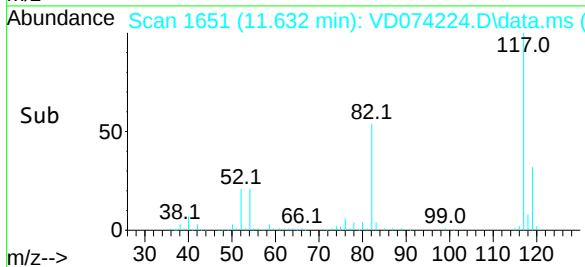
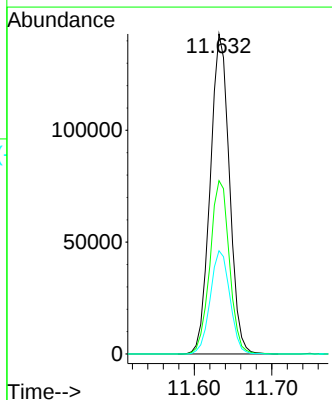
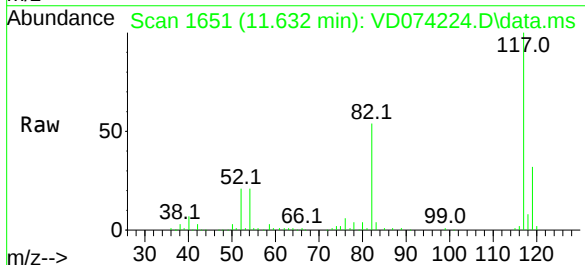
Instrument :
MSVOA_D
ClientSampleId :
PSC-124042

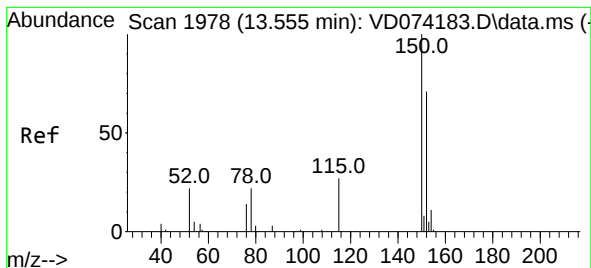
Tgt Ion:	95	Resp:	97549
Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	152.8
176	74.6	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.001 min
Lab File: VD074224.D
Acq: 24 Aug 2022 15:36

Tgt Ion:	117	Resp:	245754
Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.3	67.9
119	32.2	26.6	40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1978

Delta R.T. 0.006 min

Lab File: VD074224.D

Acq: 24 Aug 2022 15:36

Instrument :

MSVOA_D

ClientSampleId :

PSC-124042

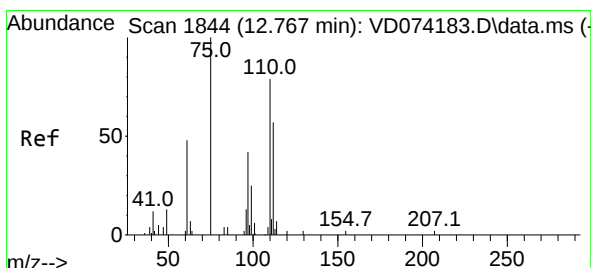
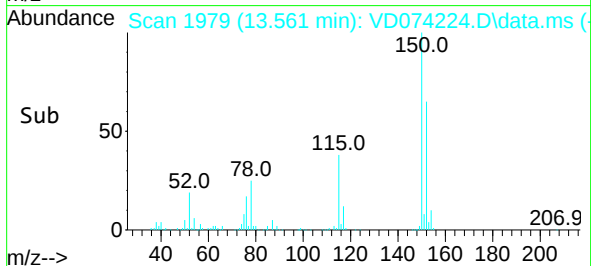
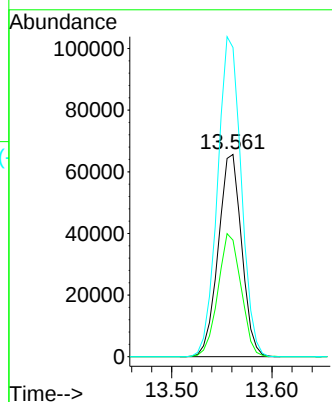
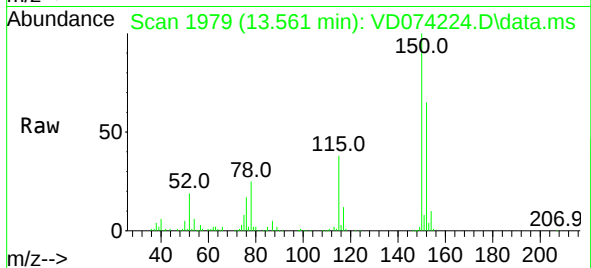
Tgt Ion:152 Resp: 106315

Ion Ratio Lower Upper

152 100

115 60.1 31.3 93.8

150 160.0 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 48.419 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD074224.D

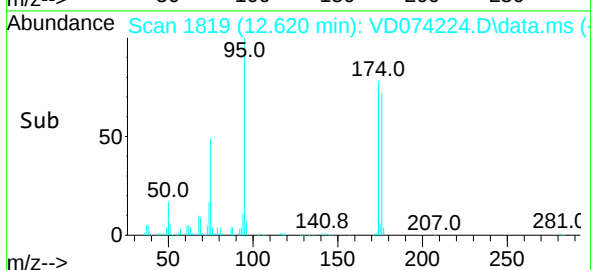
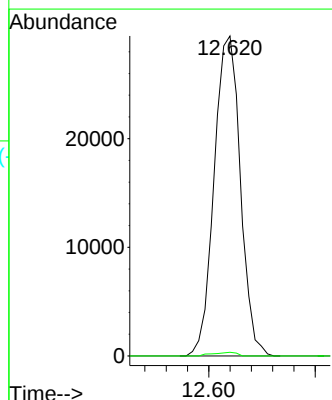
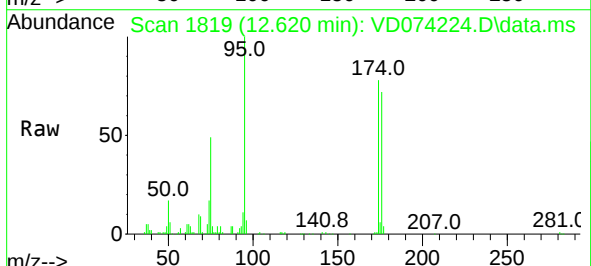
Acq: 24 Aug 2022 15:36

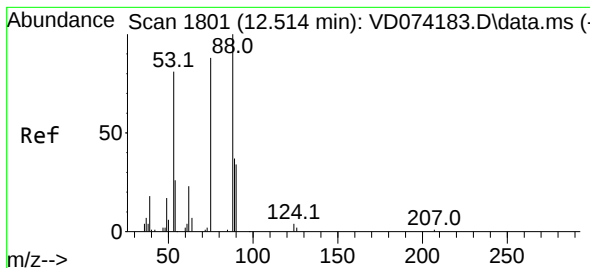
Tgt Ion: 75 Resp: 50263

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

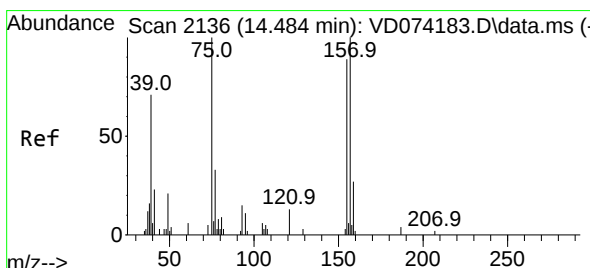
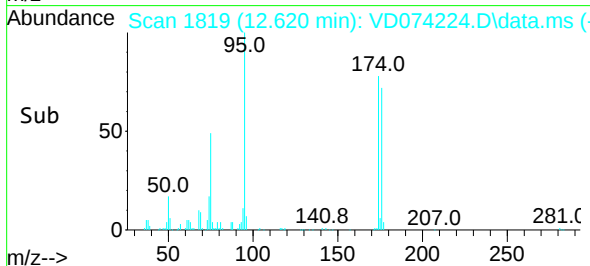
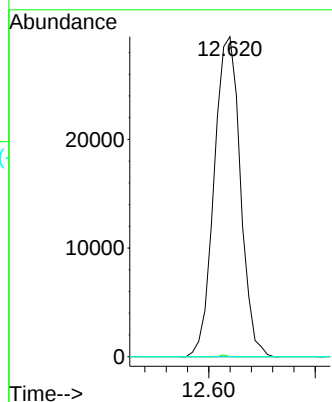
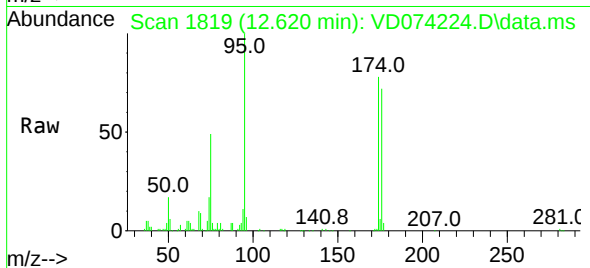




#81
trans-1,4-Dichloro-2-butene
Concen: 124.516 ug/l
RT: 12.620 min Scan# 1110
Delta R.T. 0.106 min
Lab File: VD074224.D
Acq: 24 Aug 2022 15:36

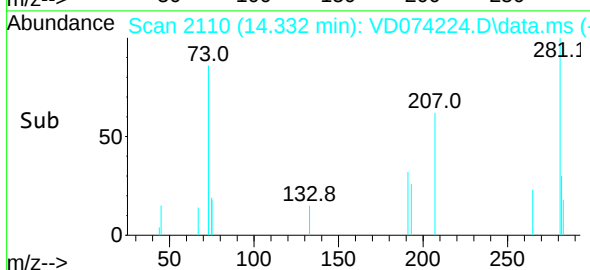
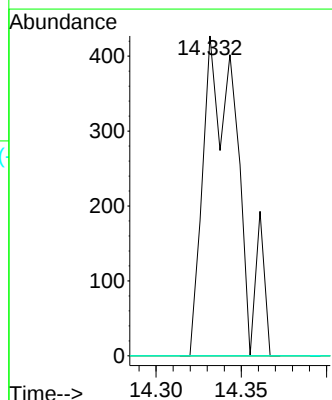
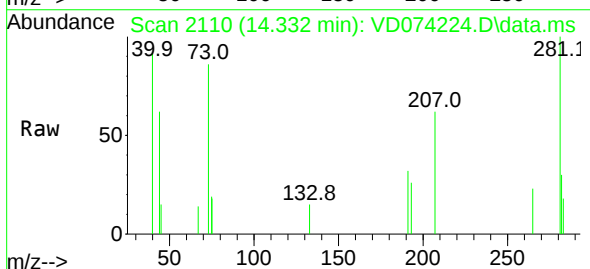
Instrument :
MSVOA_D
ClientSampleId :
PSC-124042

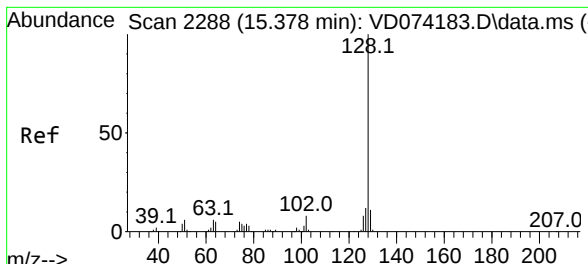
Tgt Ion: 75 Resp: 50263
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.715 ug/l
RT: 14.332 min Scan# 2110
Delta R.T. -0.152 min
Lab File: VD074224.D
Acq: 24 Aug 2022 15:36

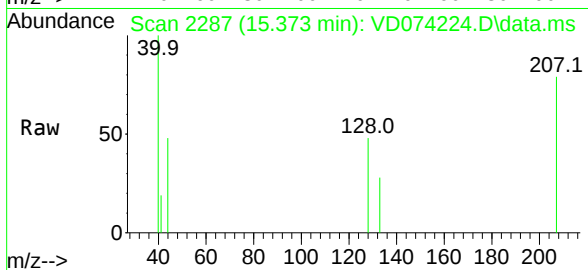
Tgt Ion: 75 Resp: 611
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#





#95
 Naphthalene
 Concen: 3.580 ug/l
 RT: 15.373 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: VD074224.D
 Acq: 24 Aug 2022 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC-124042



Tgt Ion:	128	Resp:	651
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

