

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073184.D
 Acq On : 20 May 2022 14:23
 Operator : VA/SY
 Sample : N2842-26
 Misc : 5.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P025-SS001-2430-01

Quant Time: May 20 14:30:30 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)

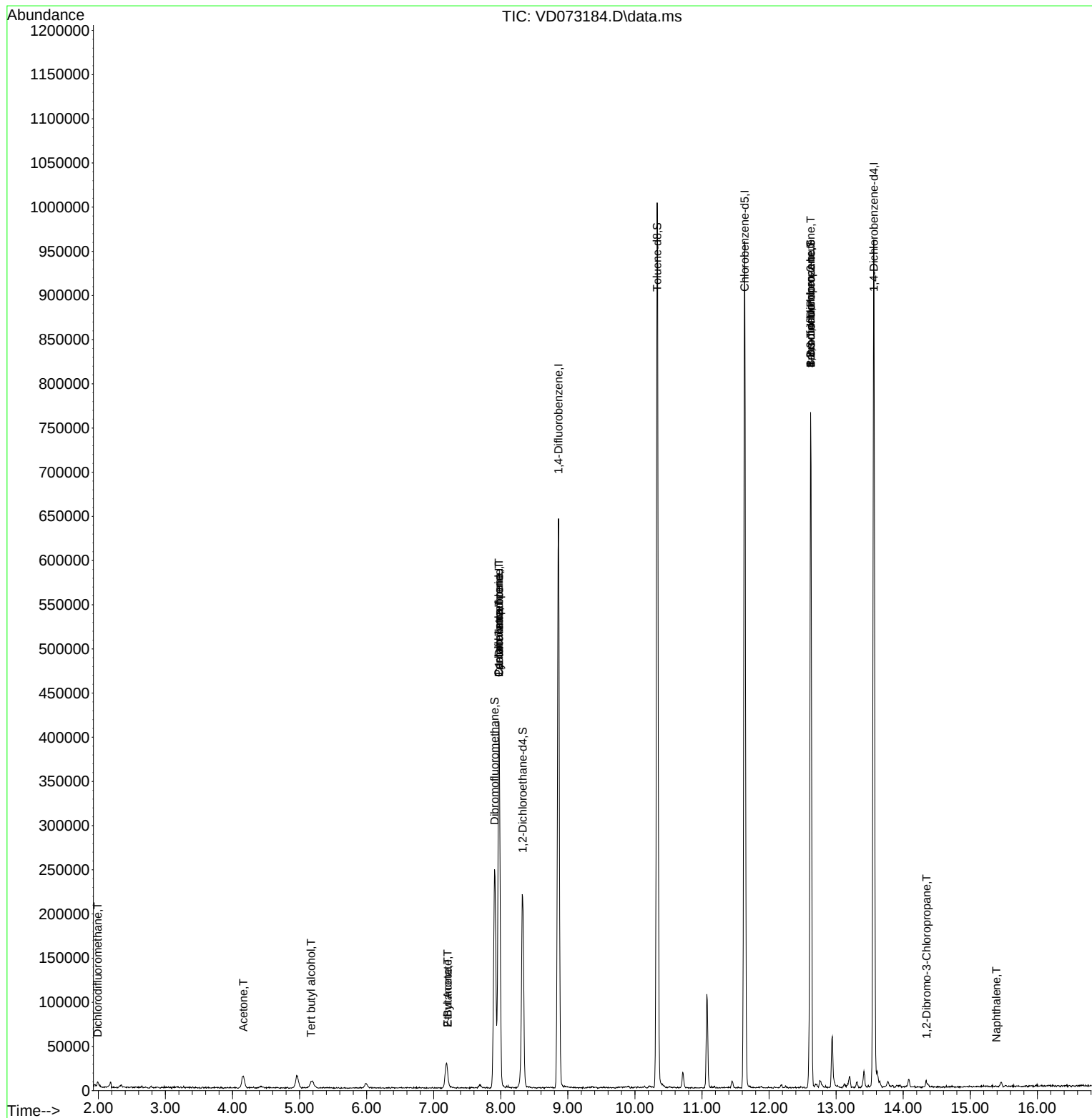
Internal Standards						
1) Pentafluorobenzene	7.973	168	298875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	536393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	560346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	260524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	176795	53.526	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.060%	
35) Dibromofluoromethane	7.908	113	179961	50.844	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.680%	
50) Toluene-d8	10.332	98	668107	51.206	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.420%	
62) 4-Bromofluorobenzene	12.620	95	245356	53.584	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.160%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	4304	1.441	ug/l	97
5) Bromomethane	2.773	94	465	Below Cal		83
11) Tert butyl alcohol	5.173	59	3588	7.002	ug/l #	79
16) Acetone	4.161	43	25217	44.077	ug/l #	80
20) Methylene Chloride	4.967	84	11203	Below Cal	#	79
25) 2-Butanone	7.208	43	4353	5.201	ug/l #	62
31) Cyclohexane	7.973	56	7344	1.272	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	26014	4.887	ug/l #	50
37) Ethyl Acetate	7.208	43	4353	2.070	ug/l #	72
38) Carbon Tetrachloride	7.973	117	32053	5.940	ug/l #	17
71) Bromoform	12.620	173	2385	1.087	ug/l #	29
76) 1,2,3-Trichloropropane	12.620	75	125214	48.985	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	125214	117.597	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.349	75	917	1.748	ug/l #	6
95) Naphthalene	15.390	128	255	3.569	ug/l #	70

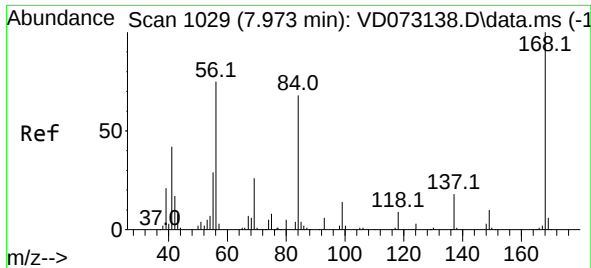
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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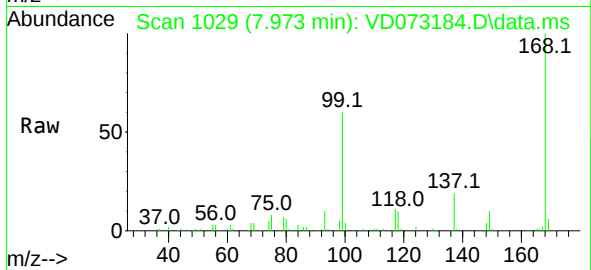
Quant Time: May 20 14:30:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
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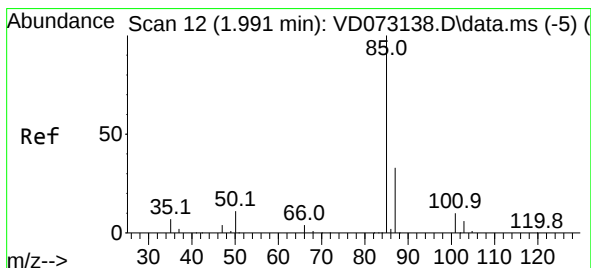
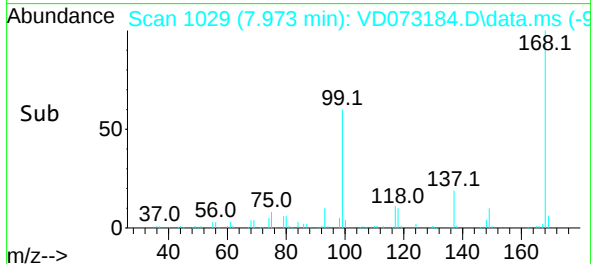
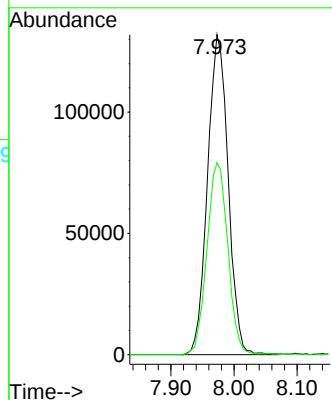


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073184.D
Acq: 20 May 2022 14:23

Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-2430-01

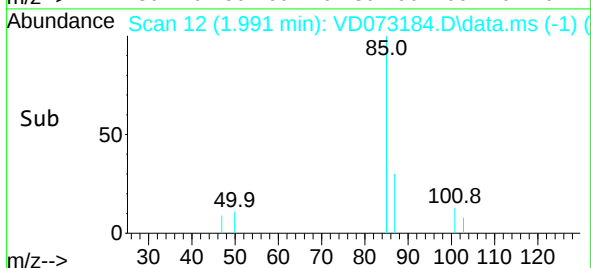
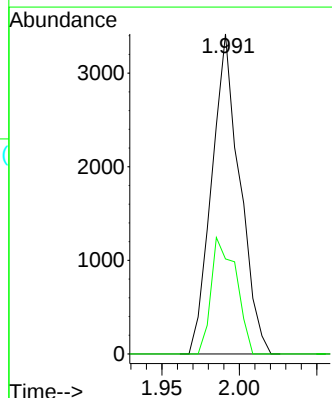
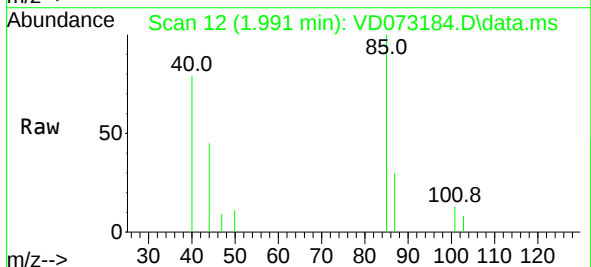


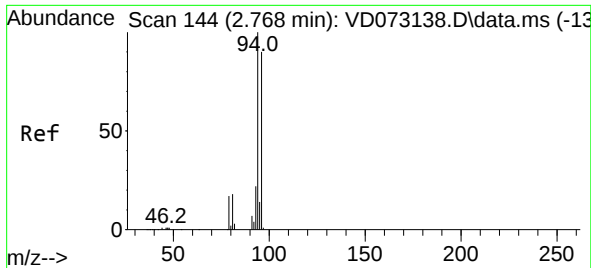
Tgt Ion:168 Resp: 298875
Ion Ratio Lower Upper
168 100
99 60.0 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.441 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073184.D
Acq: 20 May 2022 14:23

Tgt Ion: 85 Resp: 4304
Ion Ratio Lower Upper
85 100
87 29.7 15.7 47.0

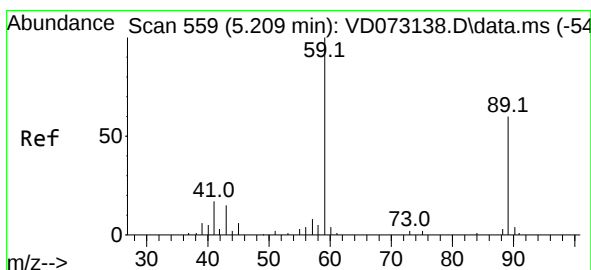
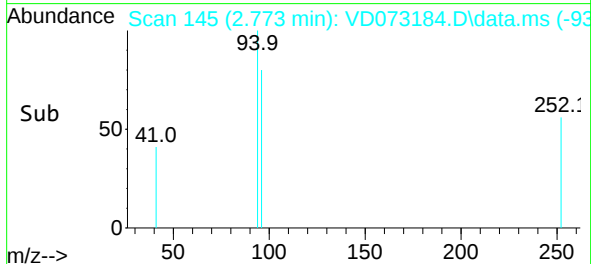
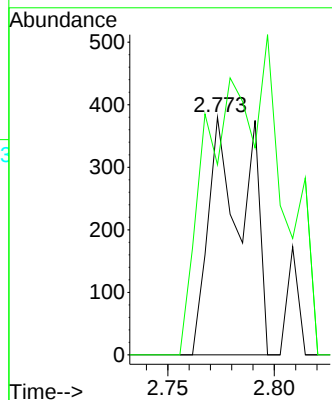
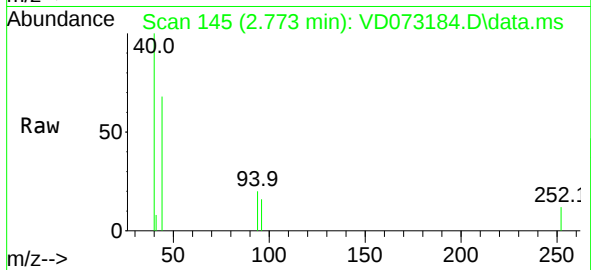




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 144
Delta R.T. 0.005 min
Lab File: VD073184.D
Acq: 20 May 2022 14:23

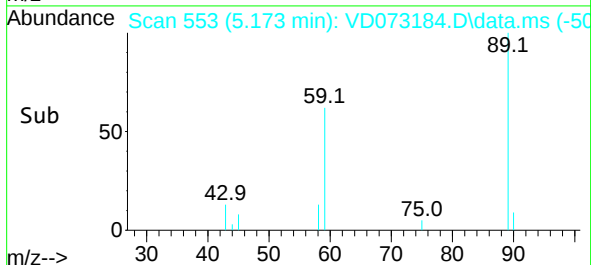
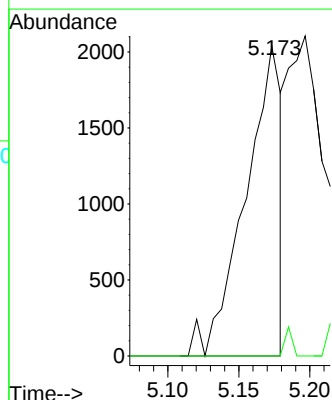
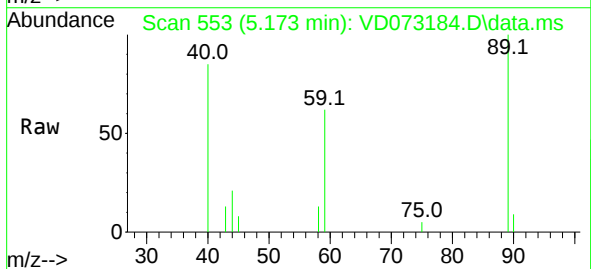
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-2430-01

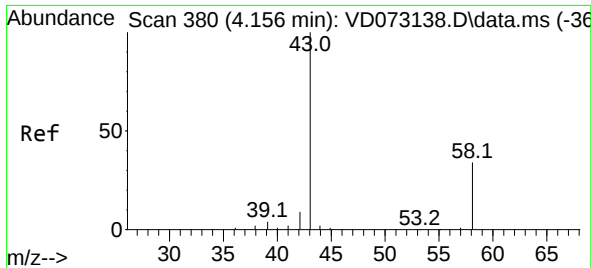
Tgt Ion: 94 Resp: 465
Ion Ratio Lower Upper
94 100
96 80.0 77.6 116.4



#11
Tert butyl alcohol
Concen: 7.002 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.036 min
Lab File: VD073184.D
Acq: 20 May 2022 14:23

Tgt Ion: 59 Resp: 3588
Ion Ratio Lower Upper
59 100
57 1.9 7.8 11.6#

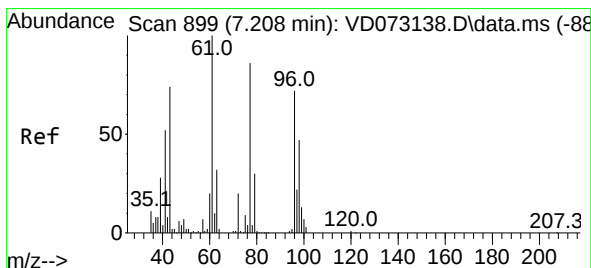
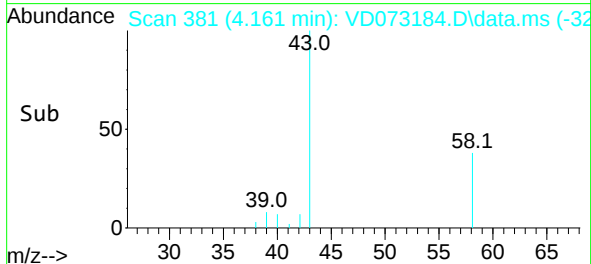
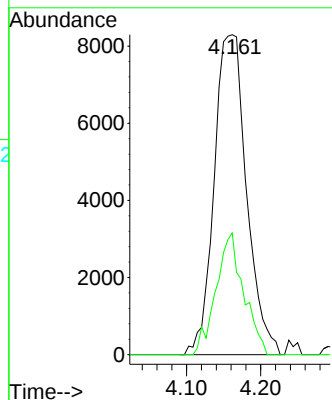
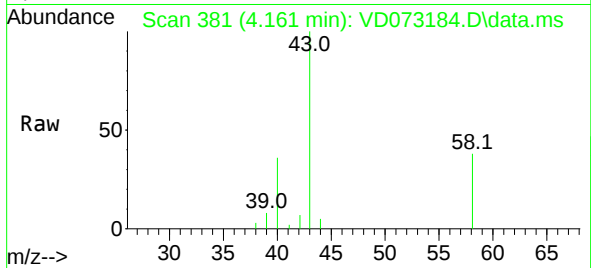




#16
Acetone
Concen: 44.077 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD073184.D
Acq: 20 May 2022 14:23

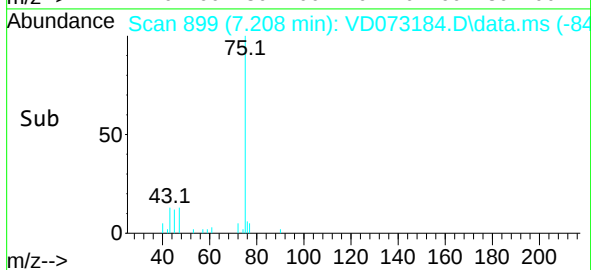
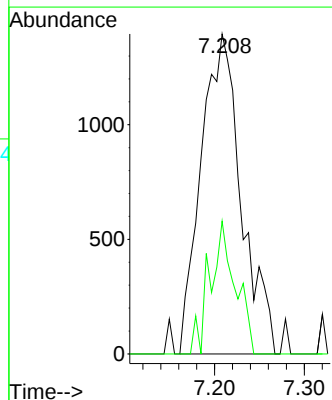
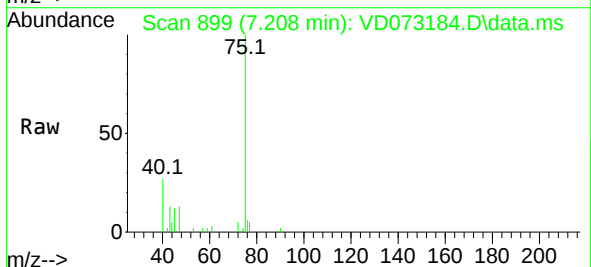
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-2430-01

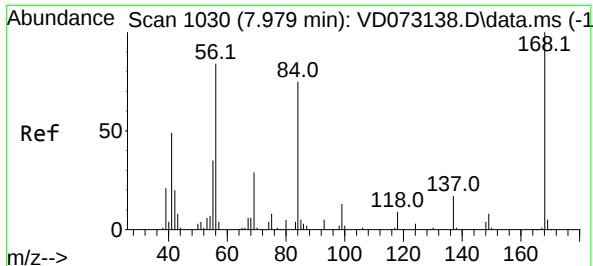
Tgt Ion: 43 Resp: 25217
Ion Ratio Lower Upper
43 100
58 38.1 22.1 33.1#



#25
2-Butanone
Concen: 5.201 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD073184.D
Acq: 20 May 2022 14:23

Tgt Ion: 43 Resp: 4353
Ion Ratio Lower Upper
43 100
72 41.5 18.6 27.8#





#31

Cyclohexane

Concen: 1.272 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073184.D

Acq: 20 May 2022 14:23

Instrument :

MSVOA_D

ClientSampleId :

P025-SS001-2430-01

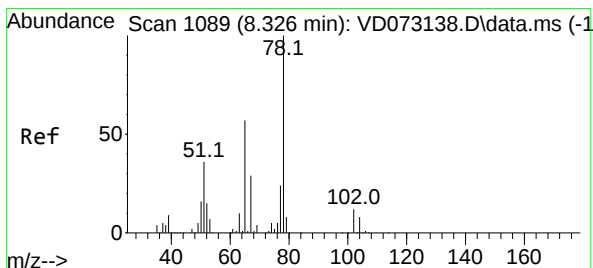
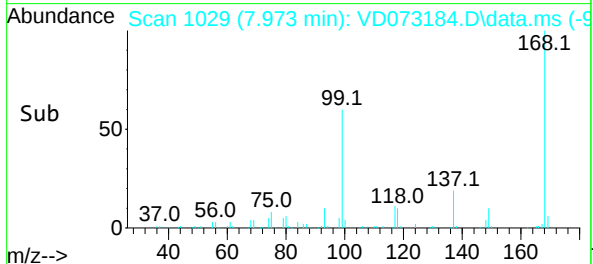
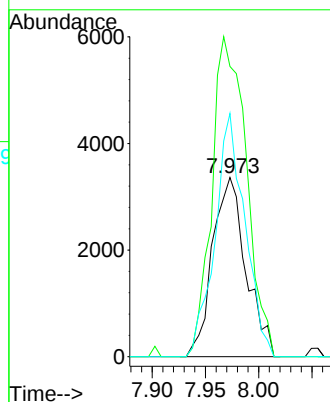
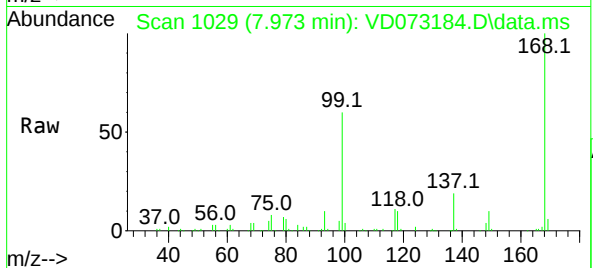
Tgt Ion: 56 Resp: 7344

Ion Ratio Lower Upper

56 100

69 161.9 25.4 38.2#

84 135.7 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 53.526 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073184.D

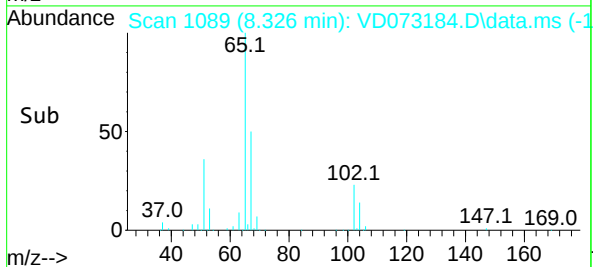
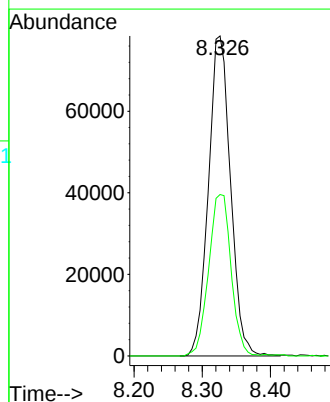
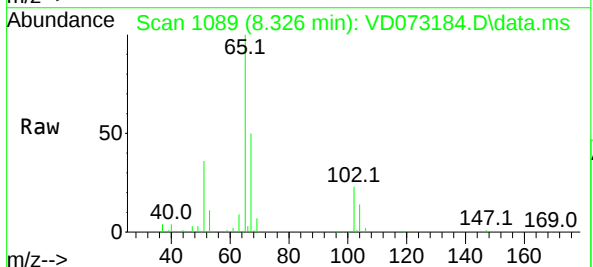
Acq: 20 May 2022 14:23

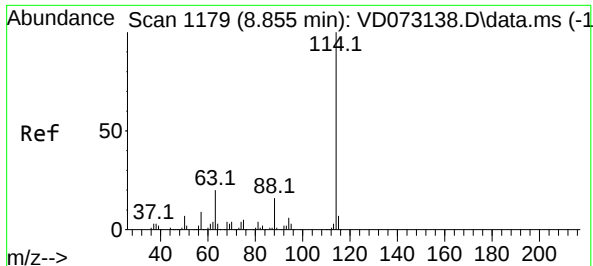
Tgt Ion: 65 Resp: 176795

Ion Ratio Lower Upper

65 100

67 51.2 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: VD073184.D

Acq: 20 May 2022 14:23

Instrument :

MSVOA_D

ClientSampleId :

P025-SS001-2430-01

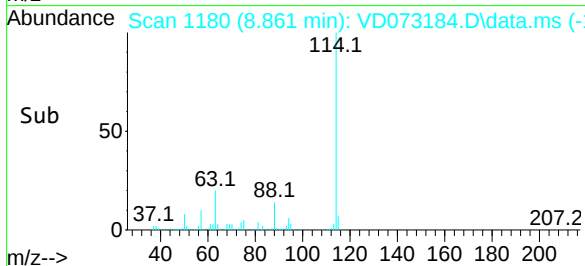
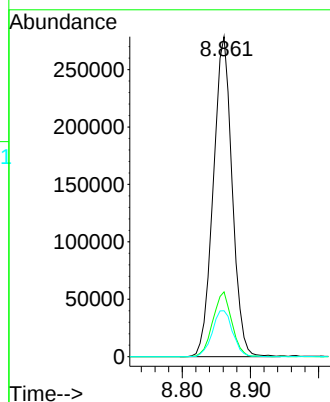
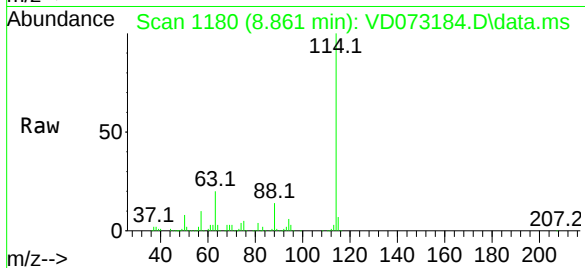
Tgt Ion:114 Resp: 536393

Ion Ratio Lower Upper

114 100

63 20.3 0.0 46.6

88 14.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.844 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073184.D

Acq: 20 May 2022 14:23

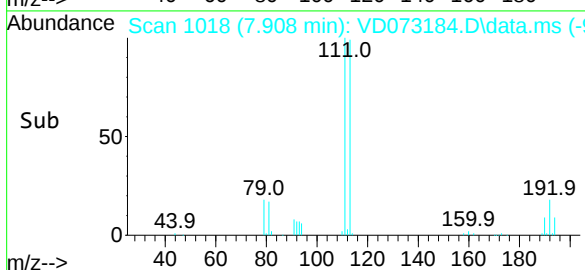
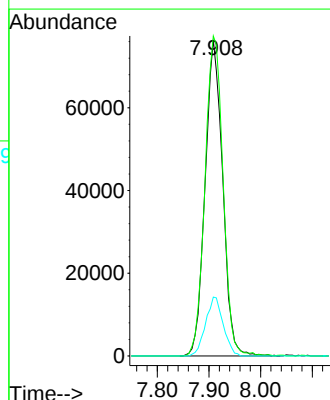
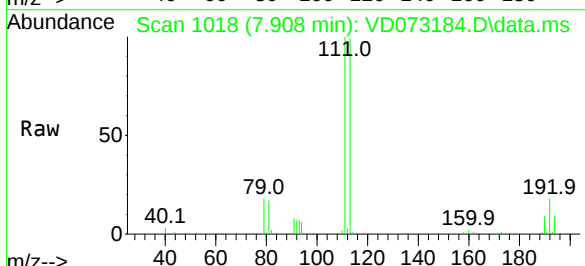
Tgt Ion:113 Resp: 179961

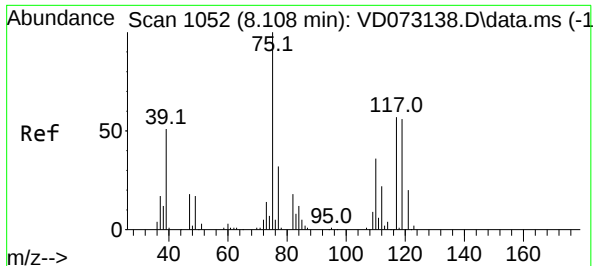
Ion Ratio Lower Upper

113 100

111 104.4 83.8 125.6

192 18.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.887 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073184.D

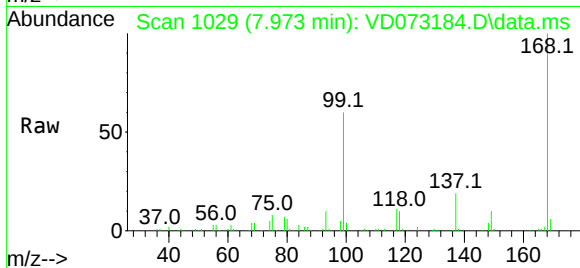
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Instrument :

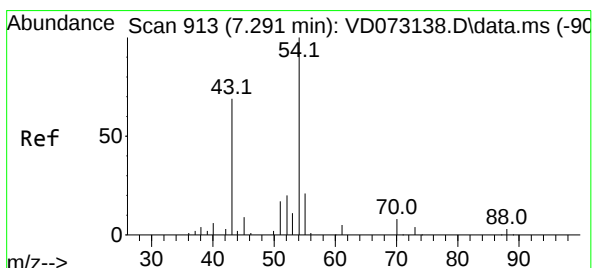
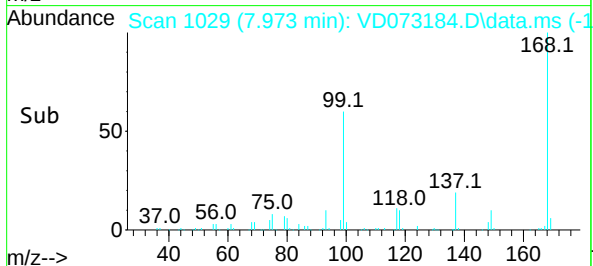
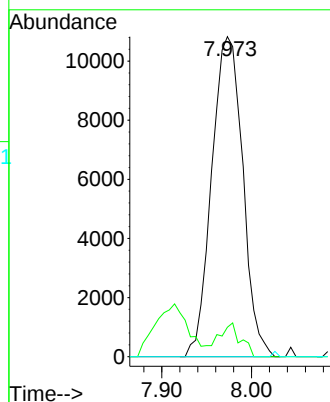
MSVOA_D

ClientSampleId :

P025-SS001-2430-01



Tgt Ion:	75	Resp:	26014
Ion	Ratio	Lower	Upper
75	100		
110	7.4	16.4	49.1#
77	0.0	24.2	36.2#



#37

Ethyl Acetate

Concen: 2.070 ug/l

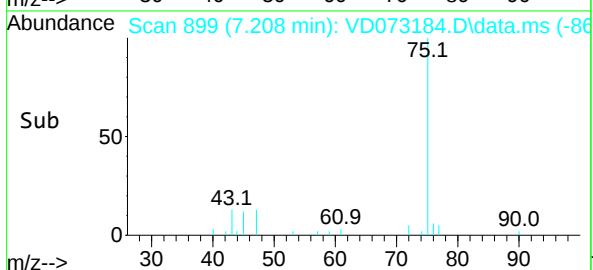
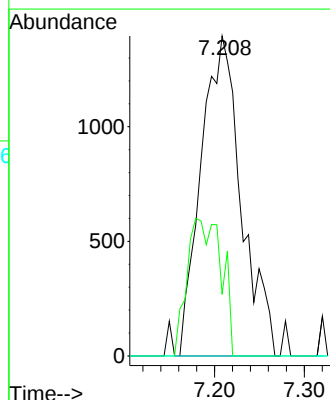
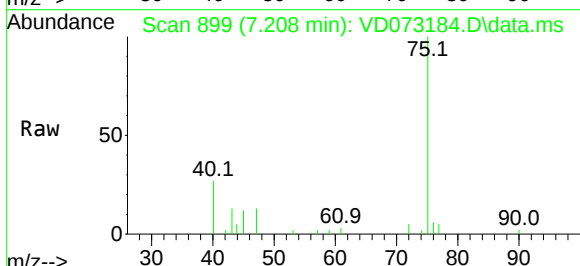
RT: 7.208 min Scan# 899

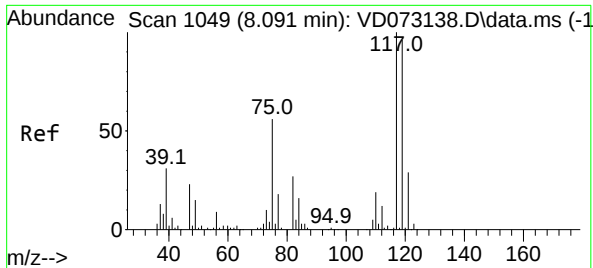
Delta R.T. -0.083 min

Lab File: VD073184.D

Acq: 20 May 2022 14:23

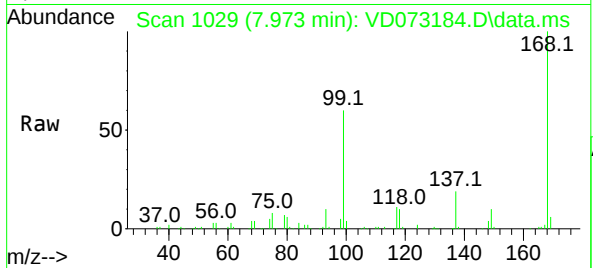
Tgt Ion:	43	Resp:	4353
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.8	14.8#
70	0.0	6.9	10.3#



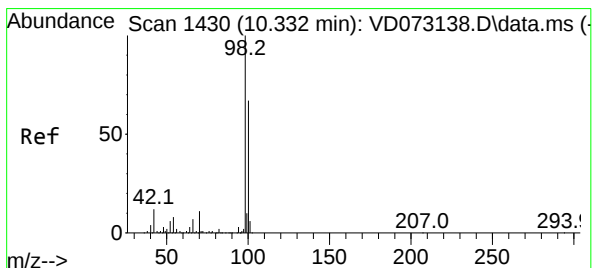
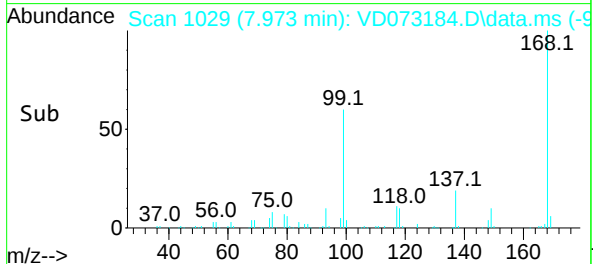
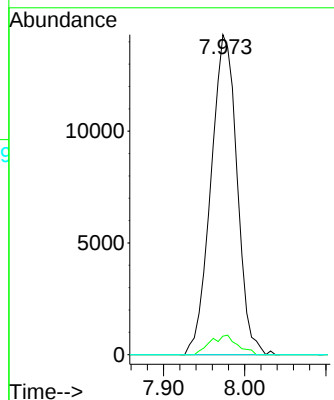


#38
Carbon Tetrachloride
Concen: 5.940 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073184.D
Acq: 20 May 2022 14:23

Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-2430-01

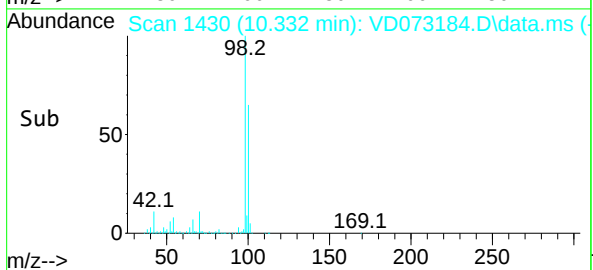
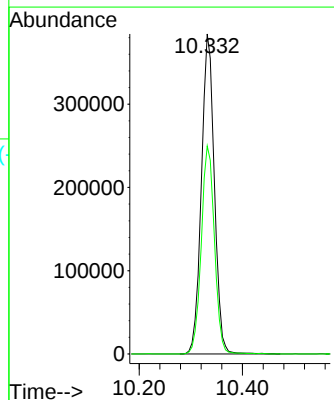
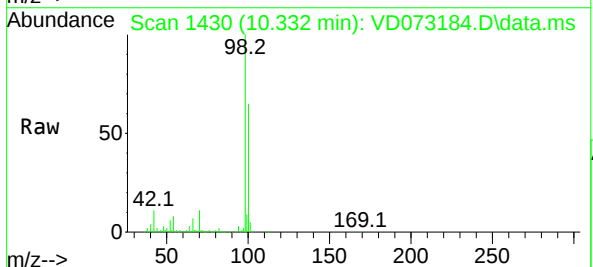


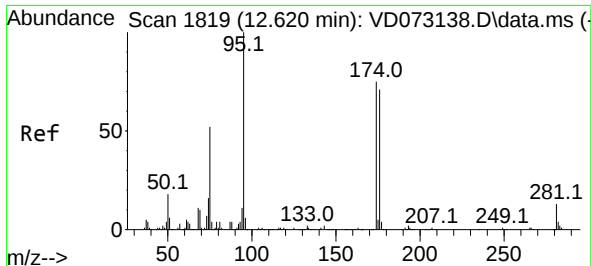
Tgt Ion:117 Resp: 32053
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.206 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073184.D
Acq: 20 May 2022 14:23

Tgt Ion: 98 Resp: 668107
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6

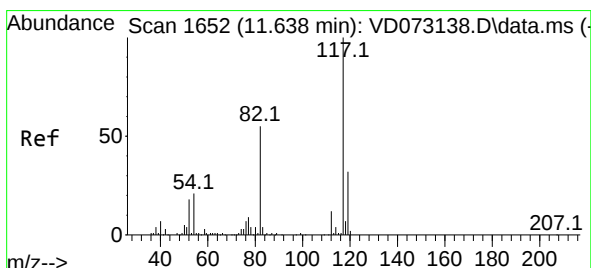
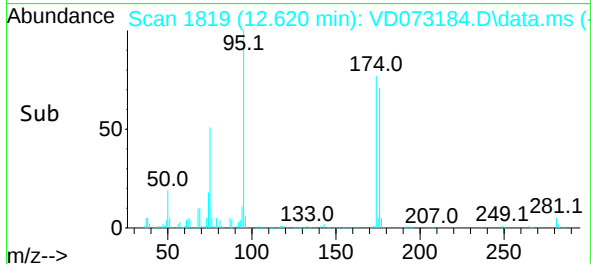
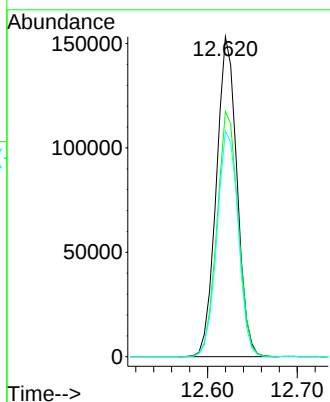
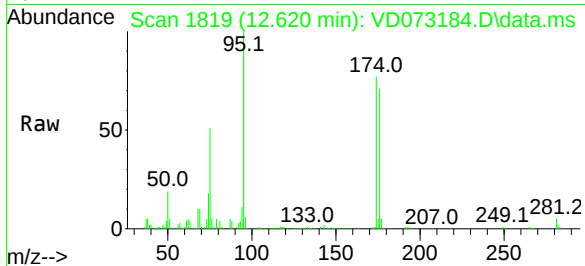




#62
4-Bromofluorobenzene
Concen: 53.584 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073184.D
Acq: 20 May 2022 14:23

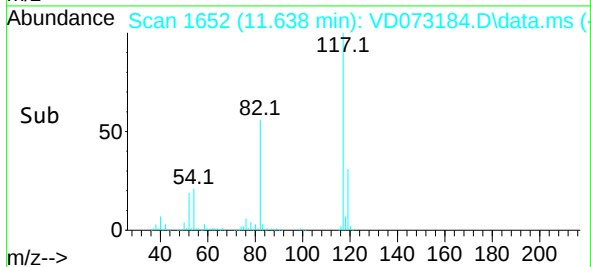
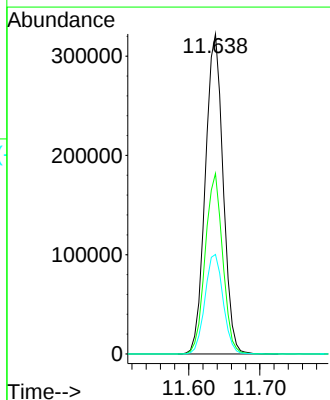
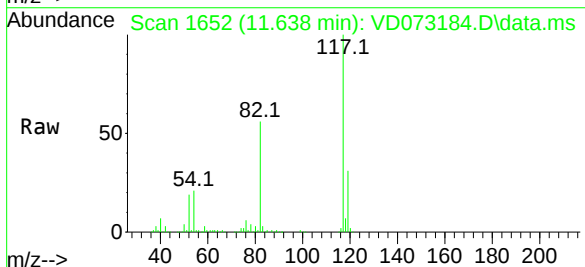
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-2430-01

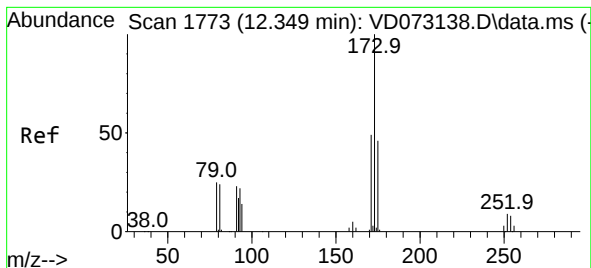
Tgt Ion: 95 Resp: 245356
Ion Ratio Lower Upper
95 100
174 78.5 0.0 152.8
176 72.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073184.D
Acq: 20 May 2022 14:23

Tgt Ion: 117 Resp: 560346
Ion Ratio Lower Upper
117 100
82 56.4 45.3 67.9
119 31.1 26.6 40.0





#71

Bromoform

Concen: 1.087 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073184.D

Acq: 20 May 2022 14:23

Instrument :

MSVOA_D

ClientSampleId :

P025-SS001-2430-01

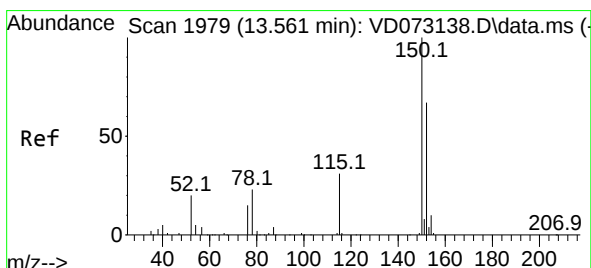
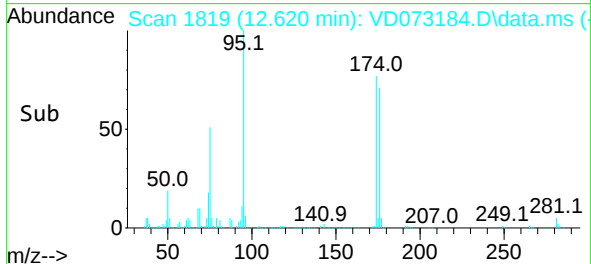
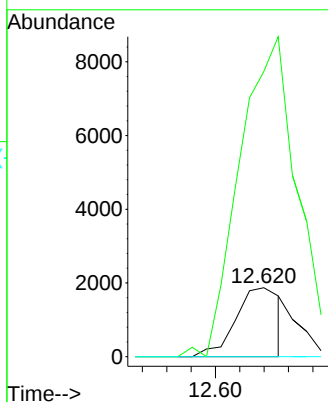
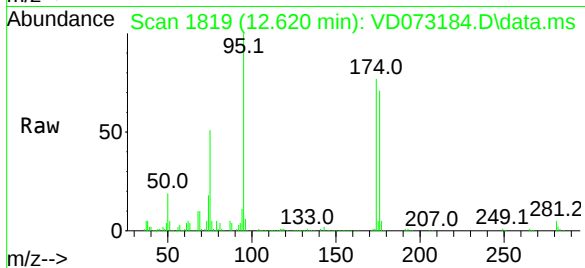
Tgt Ion:173 Resp: 2385

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073184.D

Acq: 20 May 2022 14:23

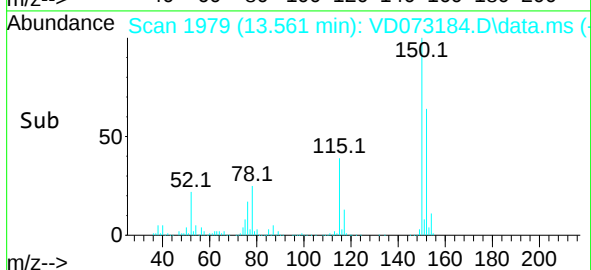
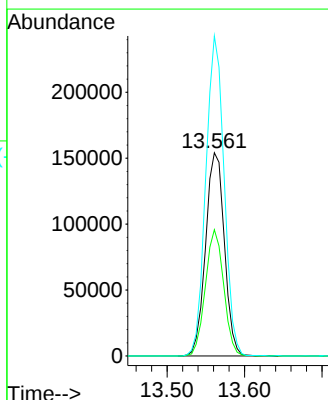
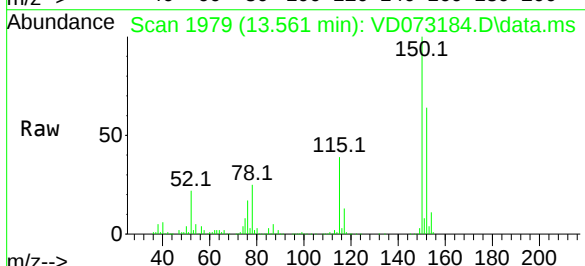
Tgt Ion:152 Resp: 260524

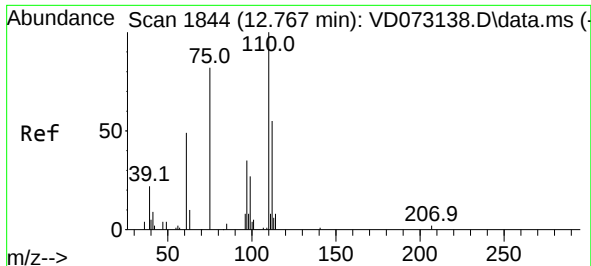
Ion Ratio Lower Upper

152 100

115 60.4 31.3 93.8

150 153.1 0.0 348.6

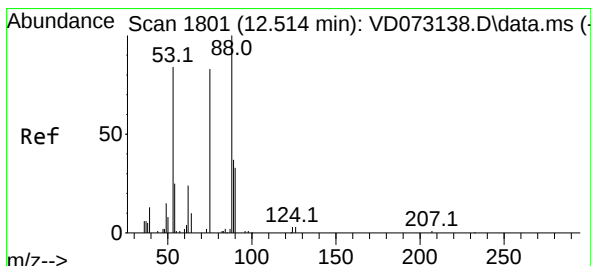
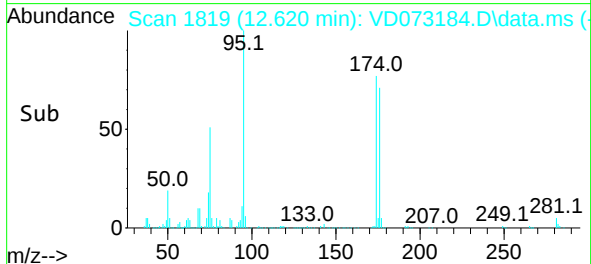
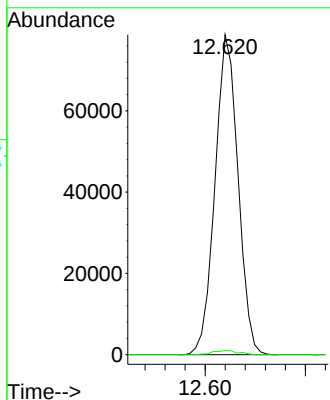
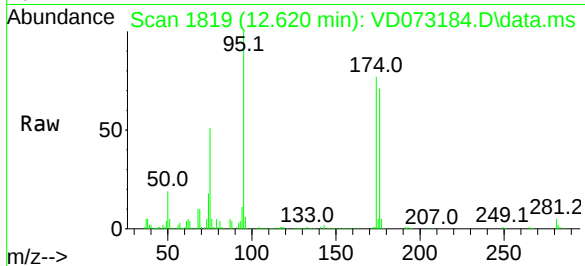




#76
1,2,3-Trichloropropane
Concen: 48.985 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073184.D
Acq: 20 May 2022 14:23

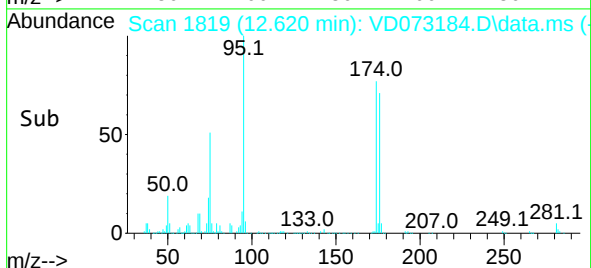
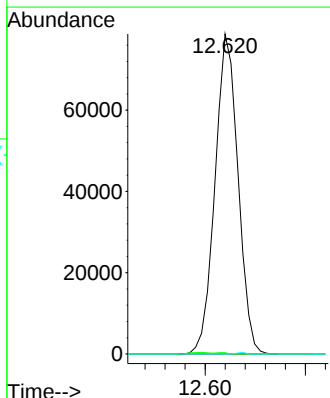
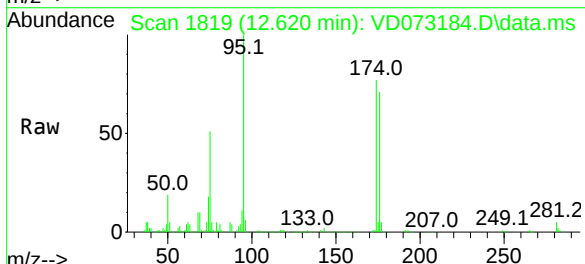
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-2430-01

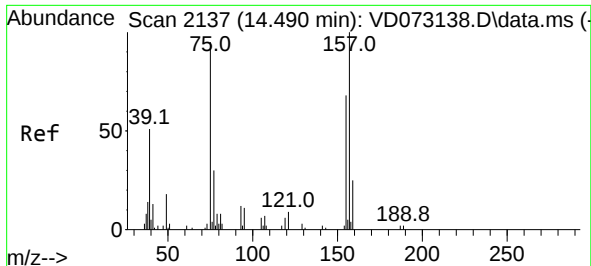
Tgt Ion: 75 Resp: 125214
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.597 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073184.D
Acq: 20 May 2022 14:23

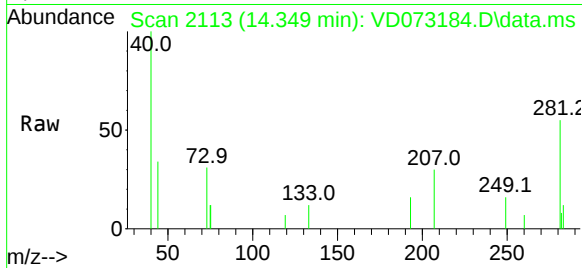
Tgt Ion: 75 Resp: 125214
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#



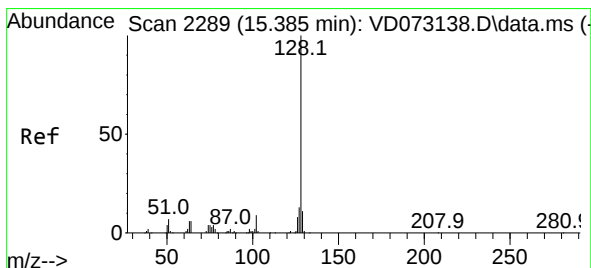
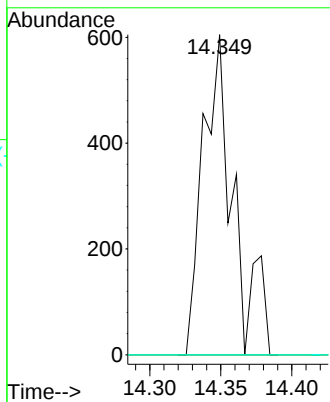
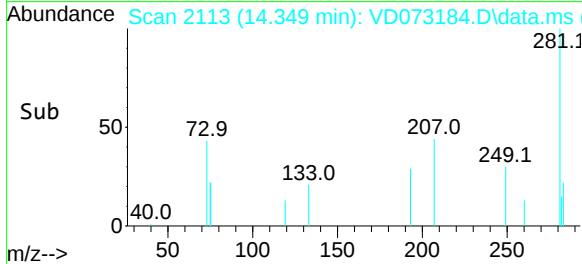


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.748 ug/l
RT: 14.349 min Scan# 2113
Delta R.T. -0.141 min
Lab File: VD073184.D
Acq: 20 May 2022 14:23

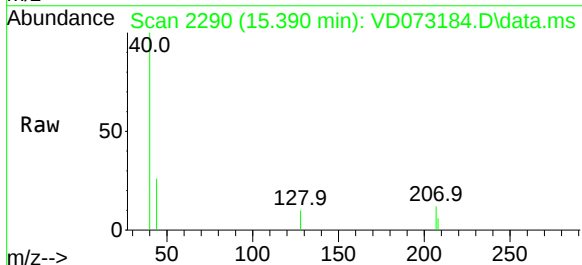
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-2430-01



Tgt Ion: 75 Resp: 917
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#



#95
Naphthalene
Concen: 3.569 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD073184.D
Acq: 20 May 2022 14:23



Tgt Ion: 128 Resp: 255
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

