

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073178.D
 Acq On : 20 May 2022 11:32
 Operator : VA/SY
 Sample : N2842-19
 Misc : 5.16G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P023-SS003-0006-01

Quant Time: May 20 13:09:25 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)

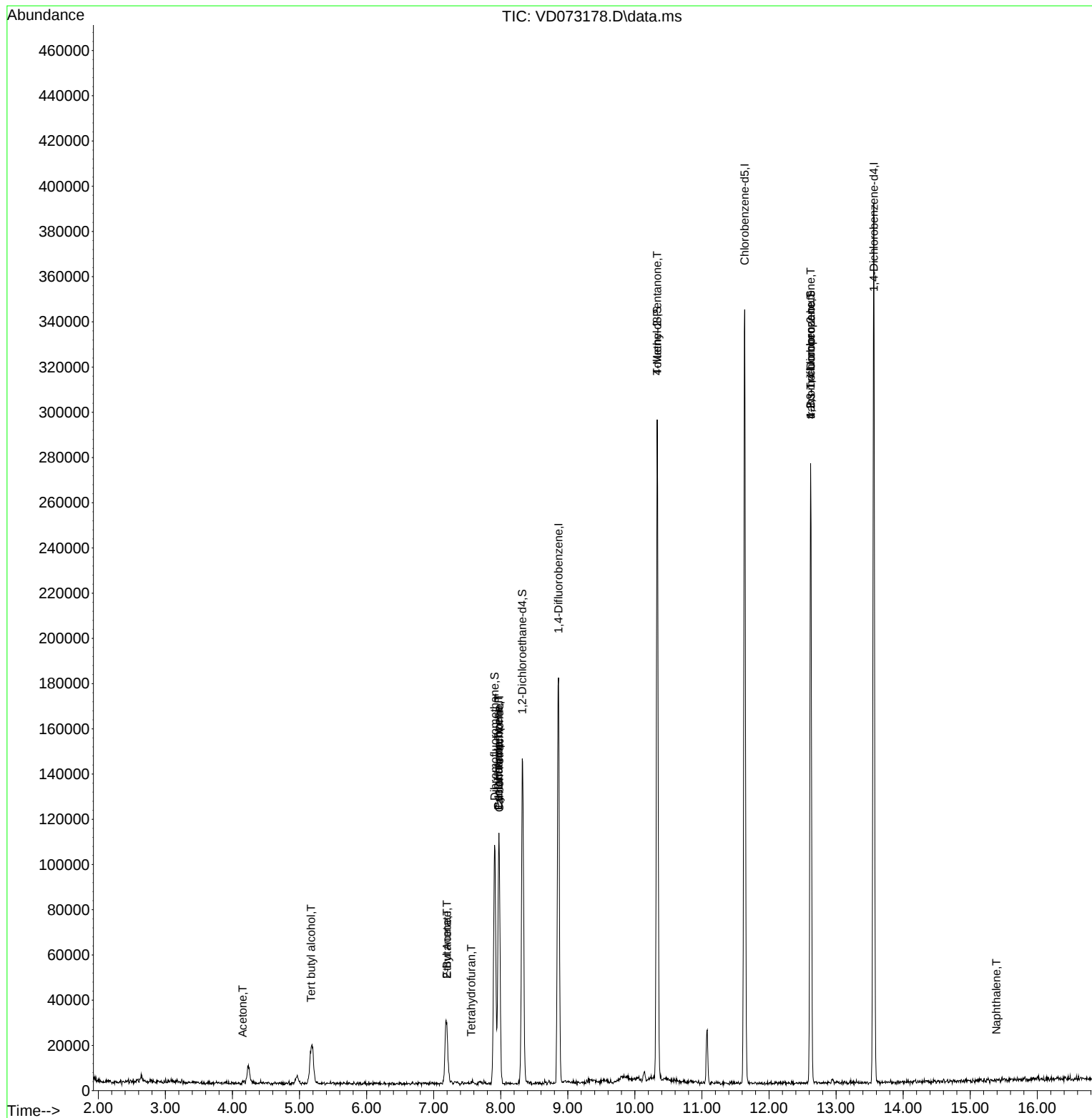
Internal Standards						
1) Pentafluorobenzene	7.967	168	77949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	150039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	196461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	99253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	113360	131.593	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 263.180%#	
35) Dibromofluoromethane	7.909	113	75581	76.340	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 152.680%#	
50) Toluene-d8	10.332	98	195283	53.508	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.020%	
62) 4-Bromofluorobenzene	12.620	95	92768	72.430	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 144.860%#	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	899	Below Cal	#	76
11) Tert butyl alcohol	5.173	59	16783	125.571	ug/l #	74
16) Acetone	4.150	43	530	3.552	ug/l #	47
20) Methylene Chloride	4.967	84	2591	Below Cal		87
25) 2-Butanone	7.197	43	1405	6.436	ug/l #	52
29) Tetrahydrofuran	7.561	42	300	2.125	ug/l #	58
31) Cyclohexane	7.967	56	1887	1.253	ug/l #	39
36) 1,1-Dichloropropene	7.967	75	7172	4.817	ug/l #	51
37) Ethyl Acetate	7.197	43	1405	2.389	ug/l #	1
38) Carbon Tetrachloride	7.979	117	8952	5.931	ug/l #	18
51) 4-Methyl-2-Pentanone	10.332	43	958	1.697	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	47428	48.702	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	47428	116.918	ug/l #	7
95) Naphthalene	15.390	128	86	3.566	ug/l #	70

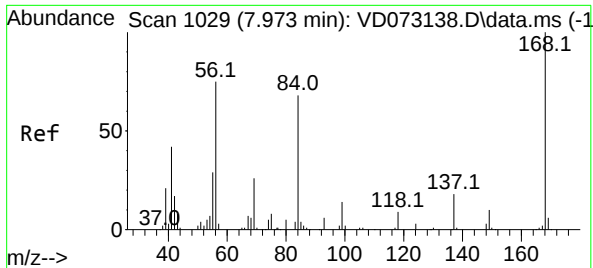
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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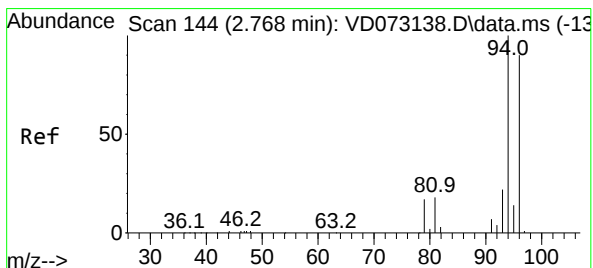
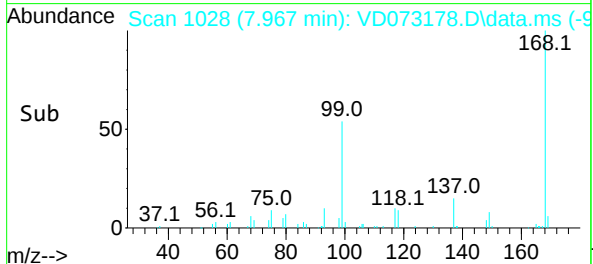
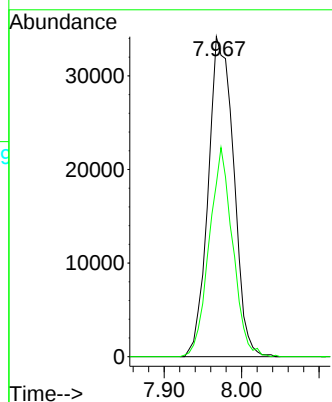
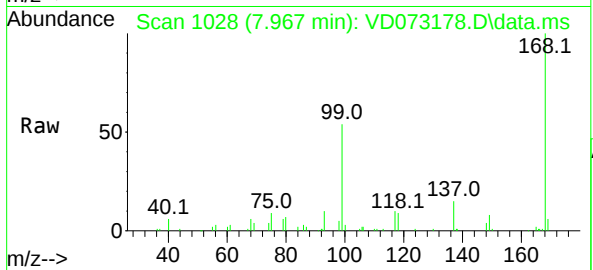




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073178.D
Acq: 20 May 2022 11:32

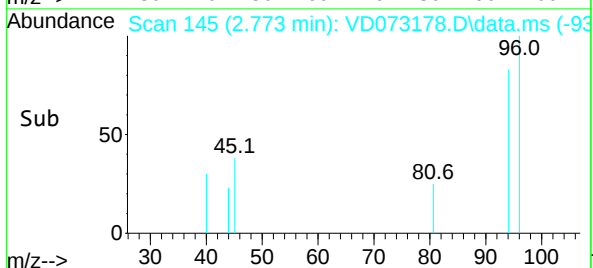
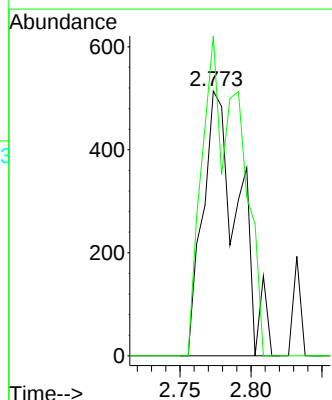
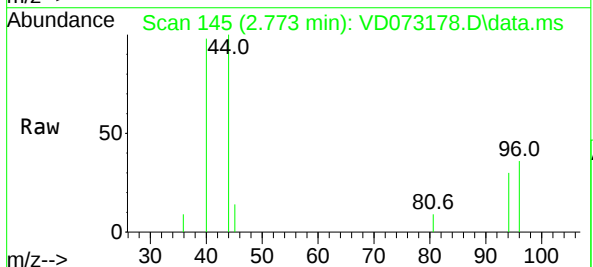
Instrument :
MSVOA_D
ClientSampleId :
P023-SS003-0006-01

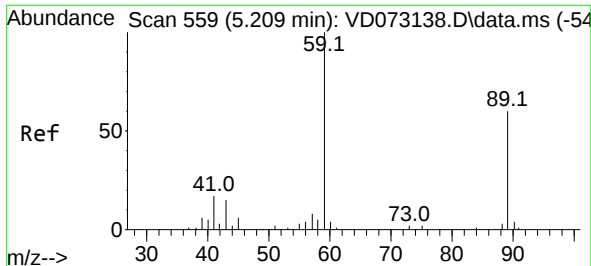
Tgt Ion:168 Resp: 77949
Ion Ratio Lower Upper
168 100
99 54.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073178.D
Acq: 20 May 2022 11:32

Tgt Ion: 94 Resp: 899
Ion Ratio Lower Upper
94 100
96 120.8 77.6 116.4#

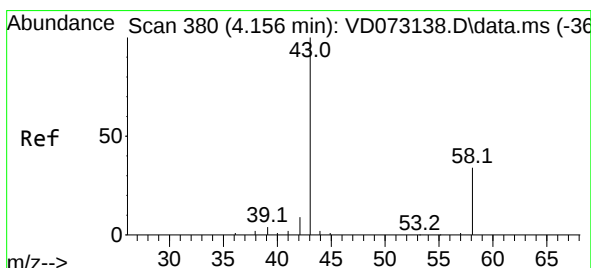
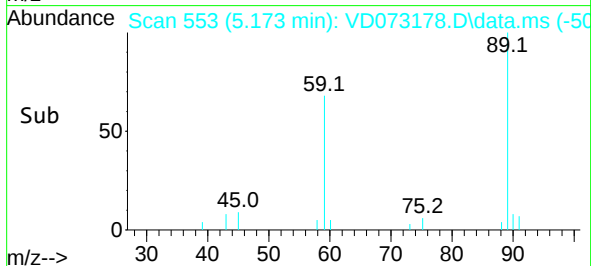
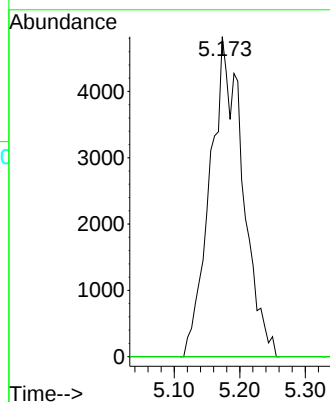
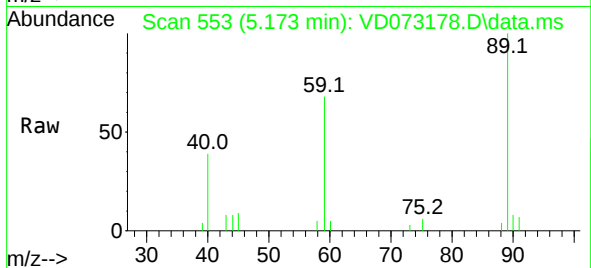




#11
Tert butyl alcohol
Concen: 125.571 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073178.D
Acq: 20 May 2022 11:32

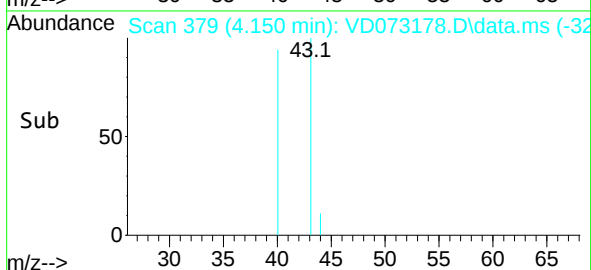
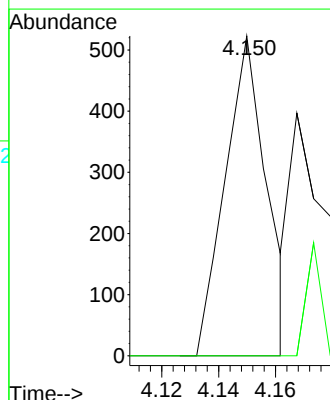
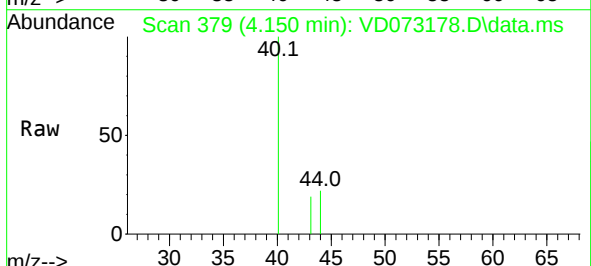
Instrument :
MSVOA_D
ClientSampleId :
P023-SS003-0006-01

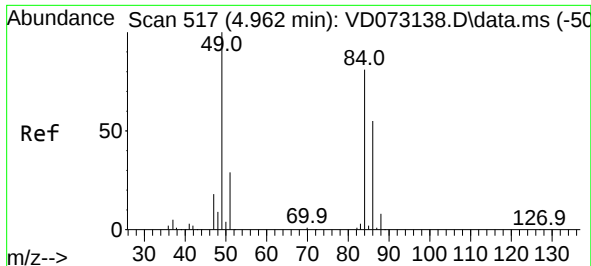
Tgt Ion: 59 Resp: 16783
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 3.552 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073178.D
Acq: 20 May 2022 11:32

Tgt Ion: 43 Resp: 530
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

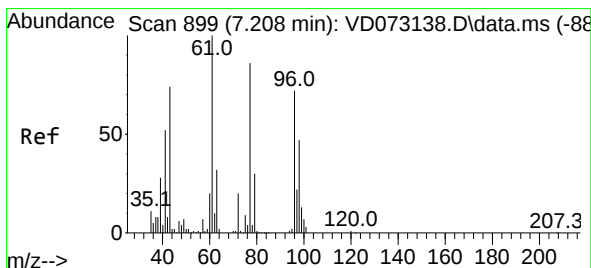
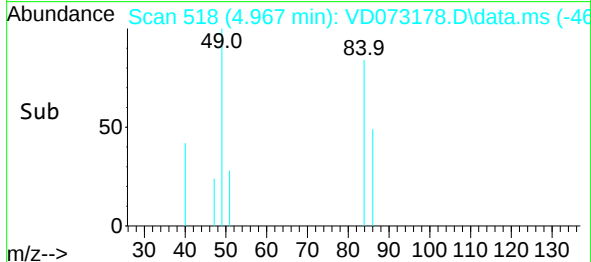
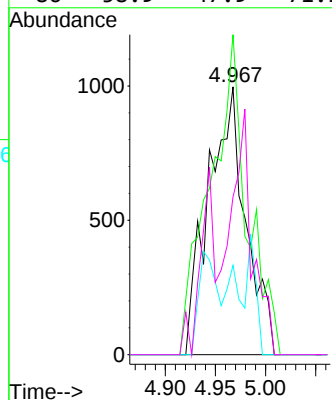
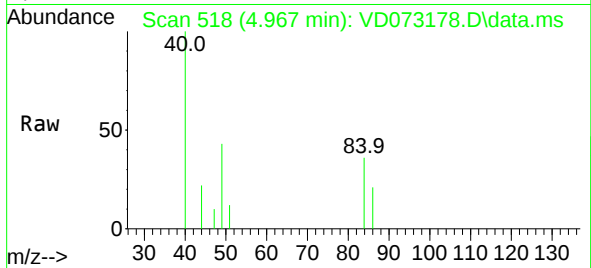




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD073178.D
Acq: 20 May 2022 11:32

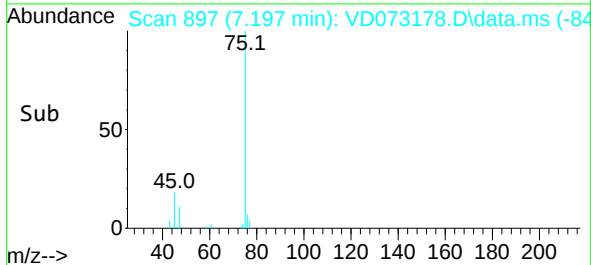
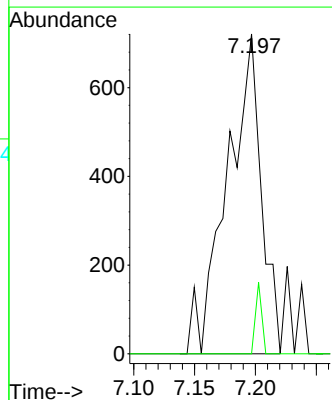
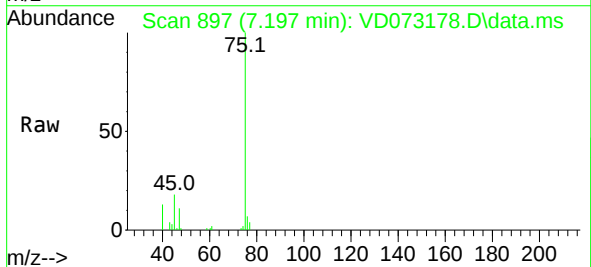
Instrument :
MSVOA_D
ClientSampleId :
P023-SS003-0006-01

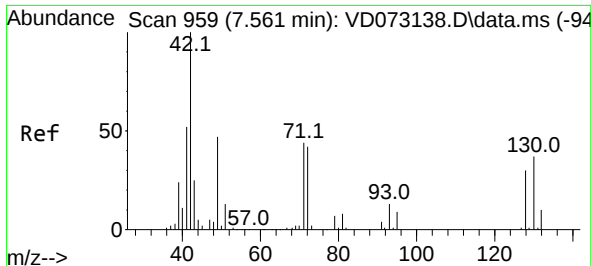
Tgt Ion:	84	Resp:	2591
Ion	Ratio	Lower	Upper
84	100		
49	119.5	112.8	169.2
51	33.3	32.6	48.8
86	58.9	47.9	71.9



#25
2-Butanone
Concen: 6.436 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD073178.D
Acq: 20 May 2022 11:32

Tgt Ion:	43	Resp:	1405
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8





#29

Tetrahydrofuran

Concen: 2.125 ug/l

RT: 7.561 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD073178.D

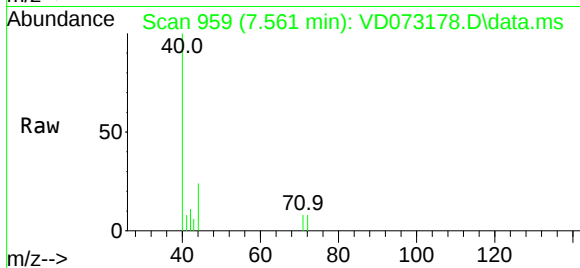
Acq: 20 May 2022 11:32

Instrument :

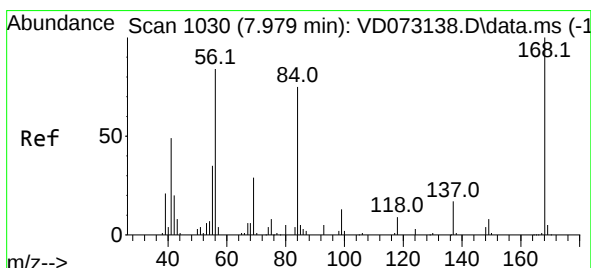
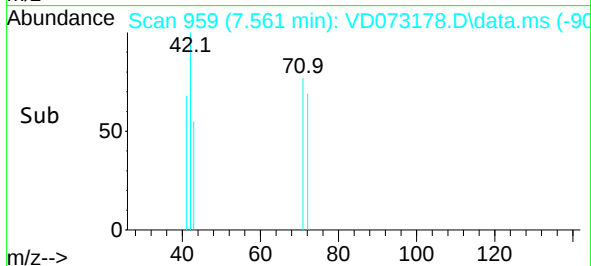
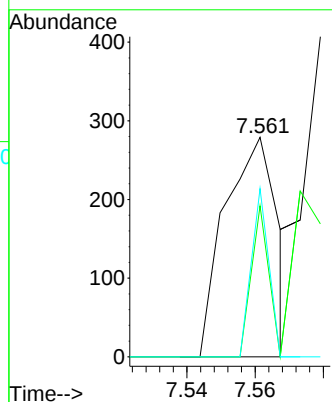
MSVOA_D

ClientSampleId :

P023-SS003-0006-01



Tgt Ion:	42	Resp:	300
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	25.0	28.6	43.0#



#31

Cyclohexane

Concen: 1.253 ug/l

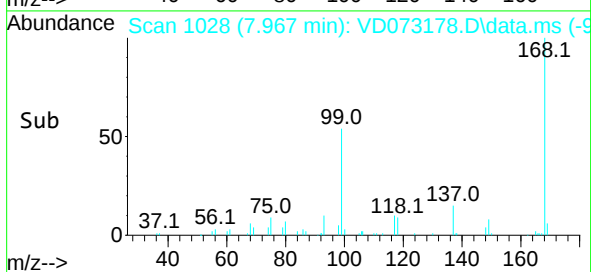
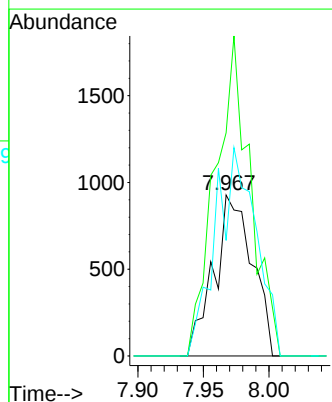
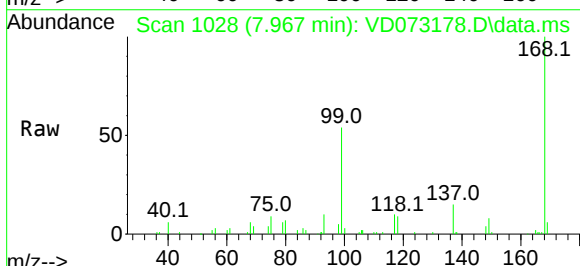
RT: 7.967 min Scan# 1028

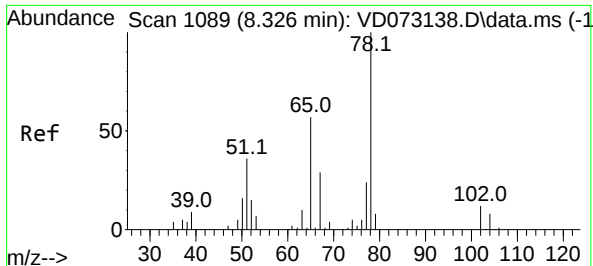
Delta R.T. -0.012 min

Lab File: VD073178.D

Acq: 20 May 2022 11:32

Tgt Ion:	56	Resp:	1887
Ion	Ratio	Lower	Upper
56	100		
69	138.6	25.4	38.2#
84	71.8	63.0	94.4





#33

1,2-Dichloroethane-d4

Concen: 131.593 ug/l

RT: 8.320 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD073178.D

Acq: 20 May 2022 11:32

Instrument :

MSVOA_D

ClientSampleId :

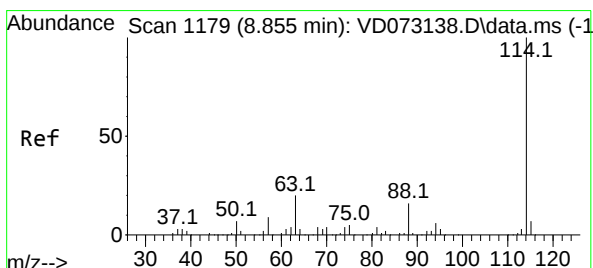
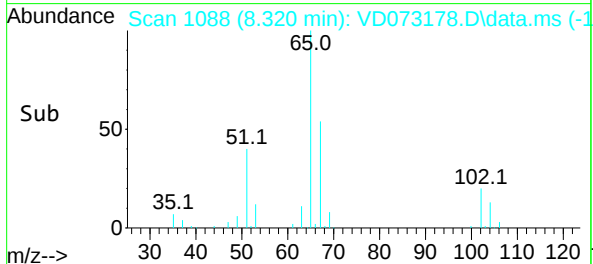
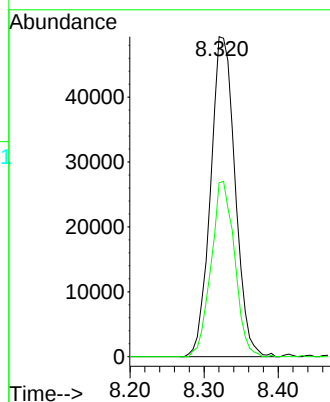
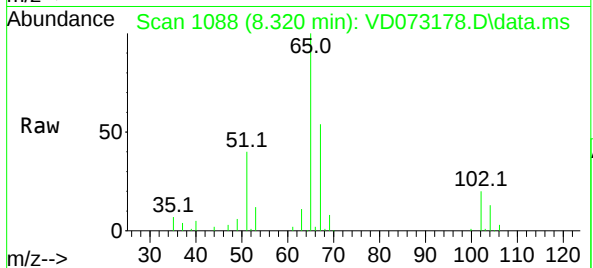
P023-SS003-0006-01

Tgt Ion: 65 Resp: 113360

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073178.D

Acq: 20 May 2022 11:32

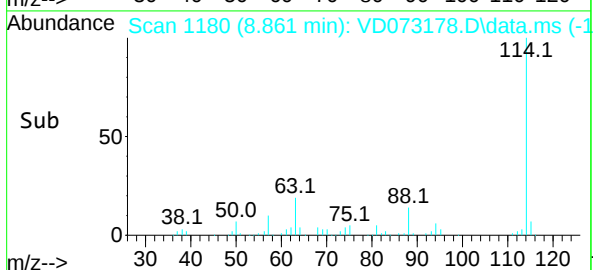
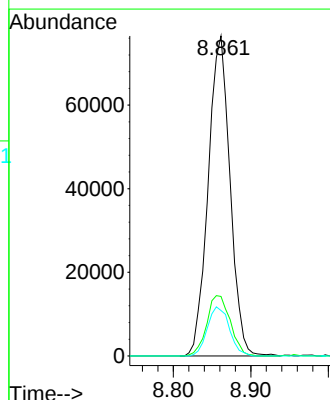
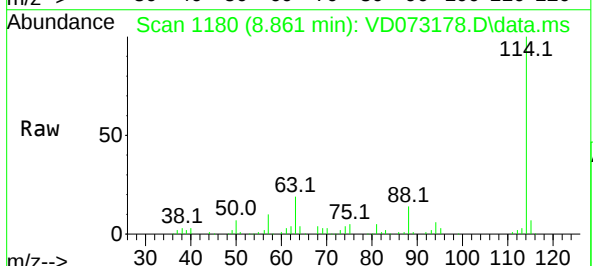
Tgt Ion: 114 Resp: 150039

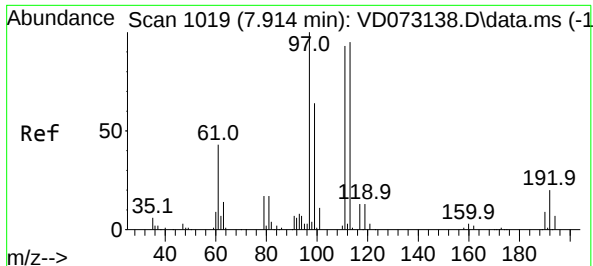
Ion Ratio Lower Upper

114 100

63 18.6 0.0 46.6

88 14.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 76.340 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073178.D

Acq: 20 May 2022 11:32

Instrument :

MSVOA_D

ClientSampleId :

P023-SS003-0006-01

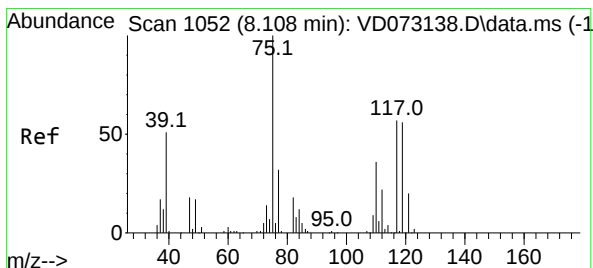
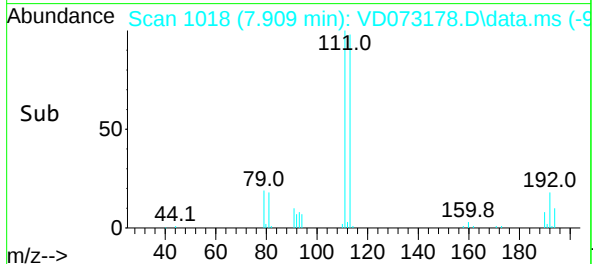
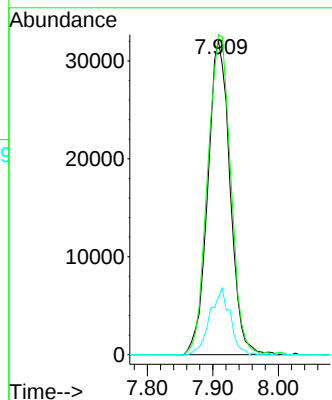
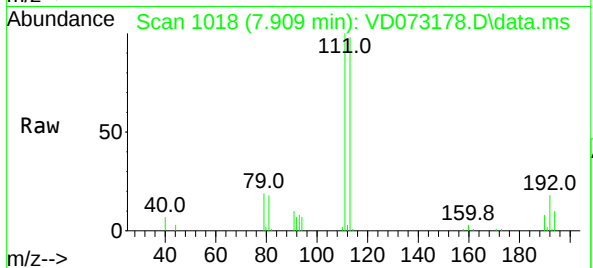
Tgt Ion:113 Resp: 75581

Ion Ratio Lower Upper

113 100

111 105.8 83.8 125.6

192 19.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.817 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073178.D

Acq: 20 May 2022 11:32

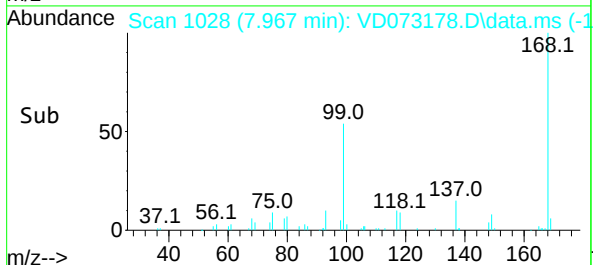
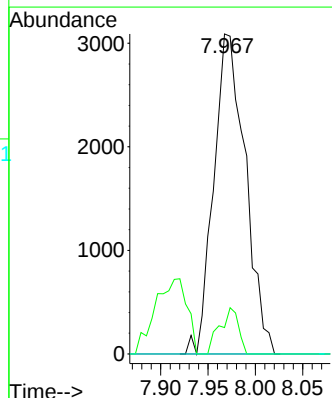
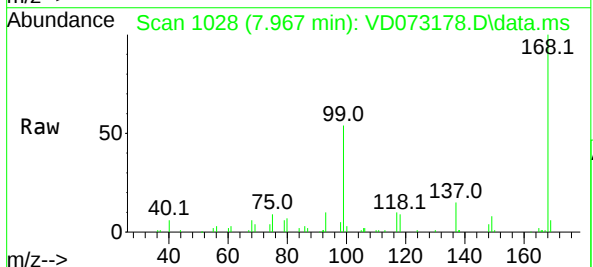
Tgt Ion: 75 Resp: 7172

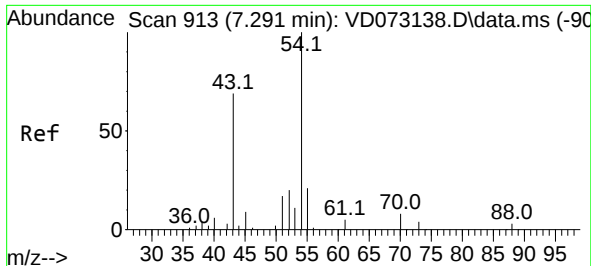
Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 2.389 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.094 min

Lab File: VD073178.D

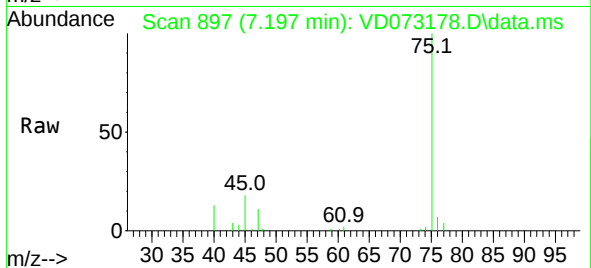
Acq: 20 May 2022 11:32

Instrument :

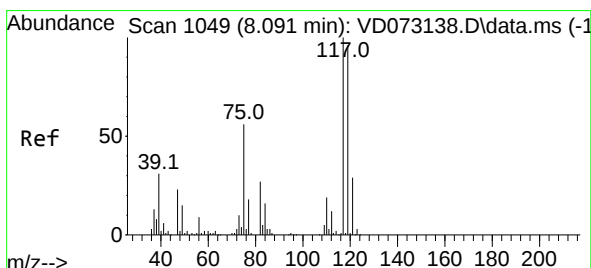
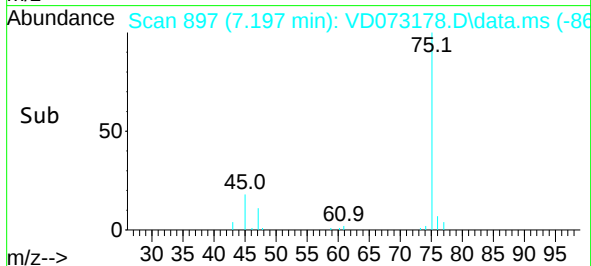
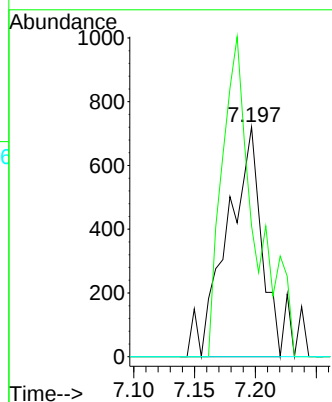
MSVOA_D

ClientSampleId :

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Tgt Ion: 43	Resp: 1405
Ion Ratio	Lower Upper
43	100
61	135.7 9.8 14.8#
70	0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.931 ug/l

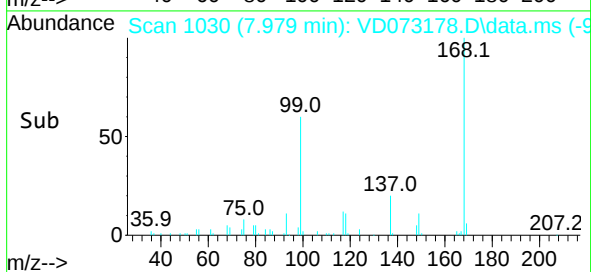
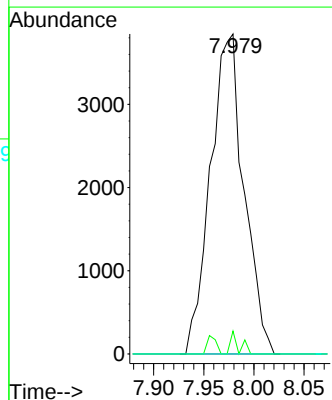
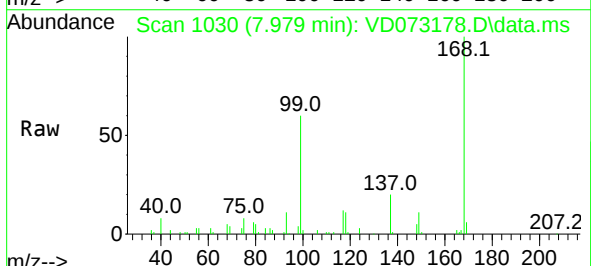
RT: 7.979 min Scan# 1030

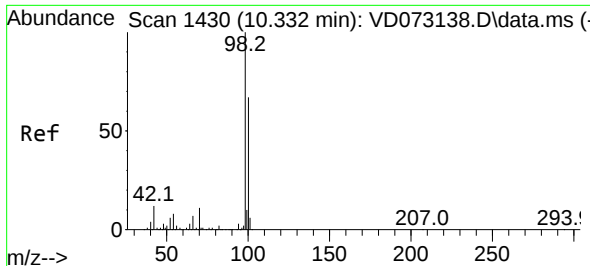
Delta R.T. -0.112 min

Lab File: VD073178.D

Acq: 20 May 2022 11:32

Tgt Ion: 117	Resp: 8952
Ion Ratio	Lower Upper
117	100
119	7.2 75.8 113.6#
121	0.0 24.5 36.7#

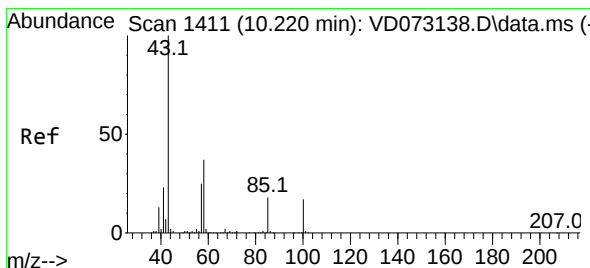
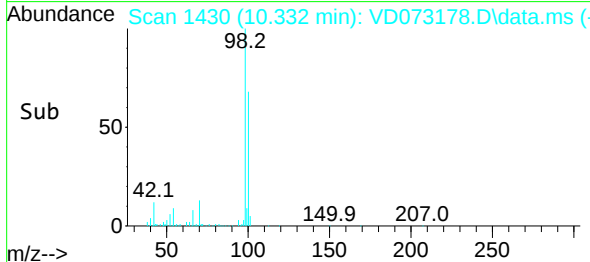
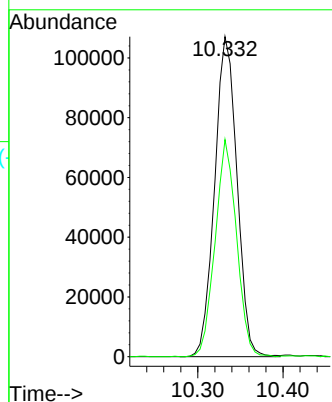
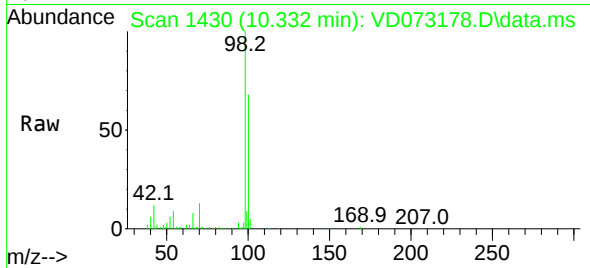




#50
Toluene-d8
Concen: 53.508 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073178.D
Acq: 20 May 2022 11:32

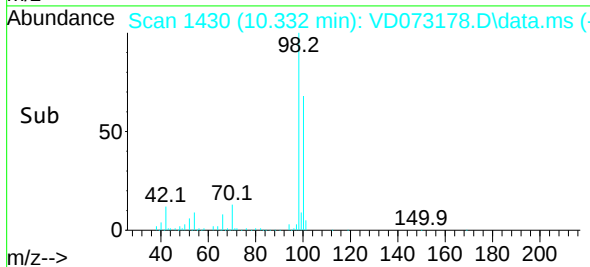
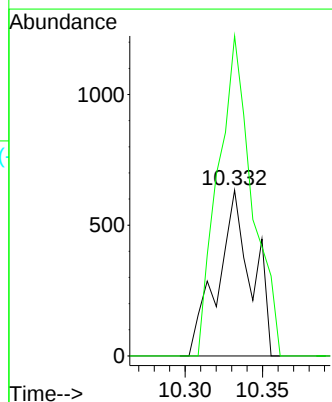
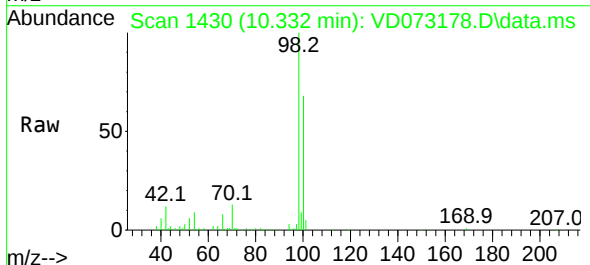
Instrument :
MSVOA_D
ClientSampleId :
P023-SS003-0006-01

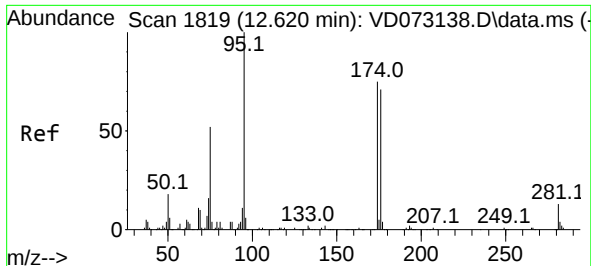
Tgt Ion: 98 Resp: 195283
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.697 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD073178.D
Acq: 20 May 2022 11:32

Tgt Ion: 43 Resp: 958
Ion Ratio Lower Upper
43 100
58 196.2 28.6 43.0#

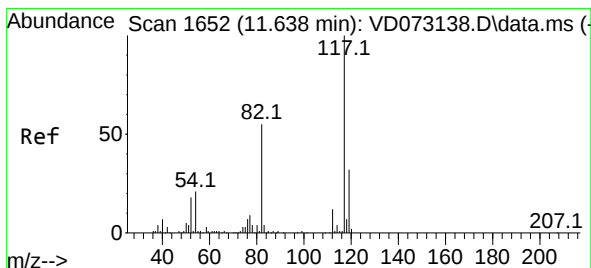
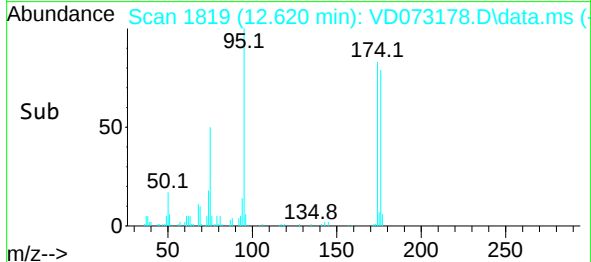
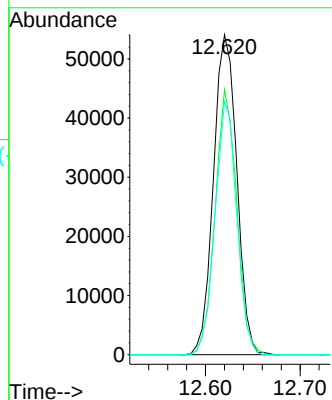
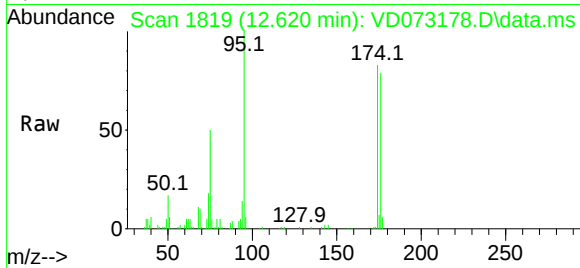




#62
4-Bromofluorobenzene
Concen: 72.430 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073178.D
Acq: 20 May 2022 11:32

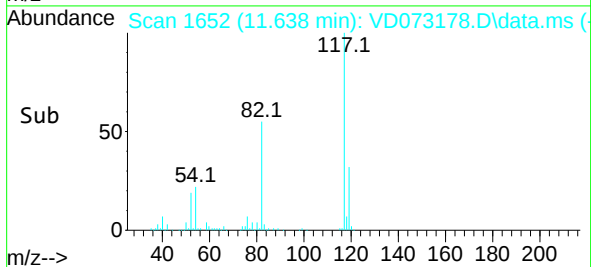
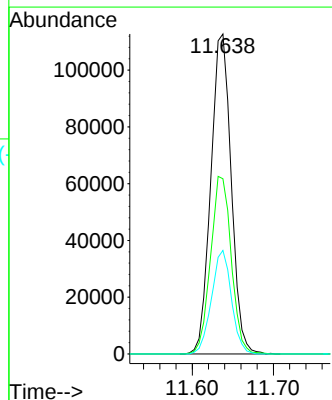
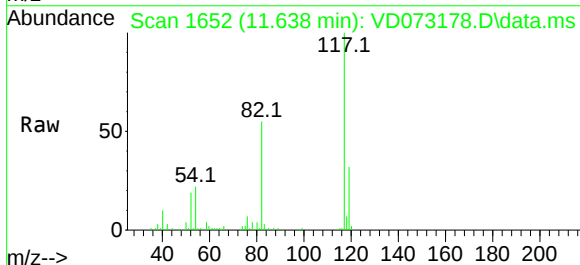
Instrument :
MSVOA_D
ClientSampleId :
P023-SS003-0006-01

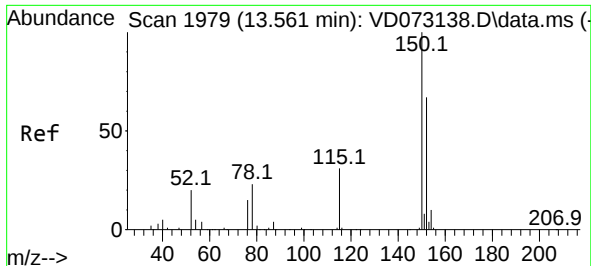
Tgt Ion:	95	Resp:	92768
Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	152.8
176	74.2	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073178.D
Acq: 20 May 2022 11:32

Tgt Ion:	117	Resp:	196461
Ion	Ratio	Lower	Upper
117	100		
82	54.8	45.3	67.9
119	32.3	26.6	40.0

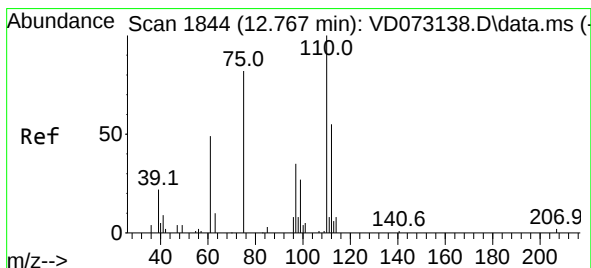
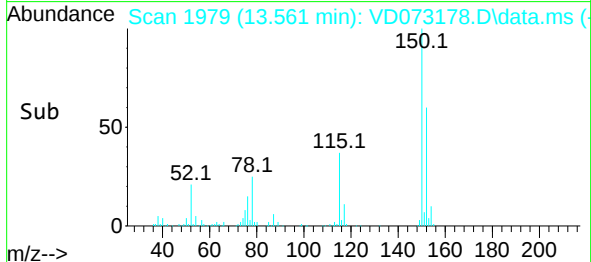
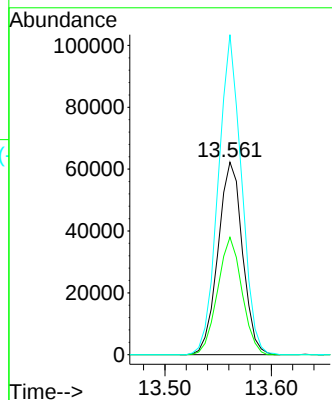
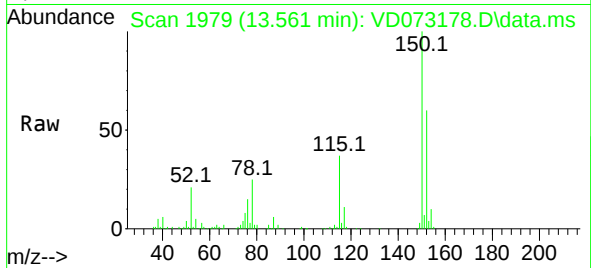




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073178.D
Acq: 20 May 2022 11:32

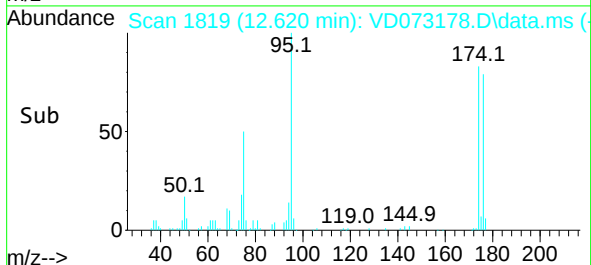
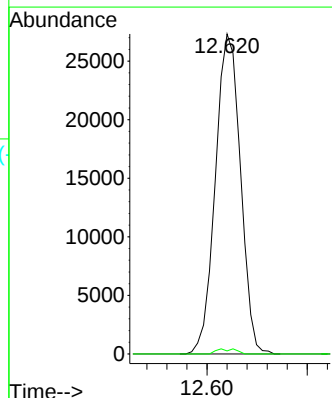
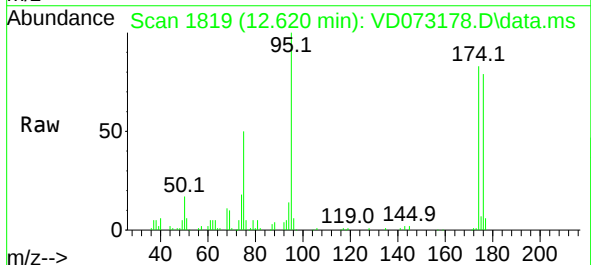
Instrument :
MSVOA_D
ClientSampleId :
P023-SS003-0006-01

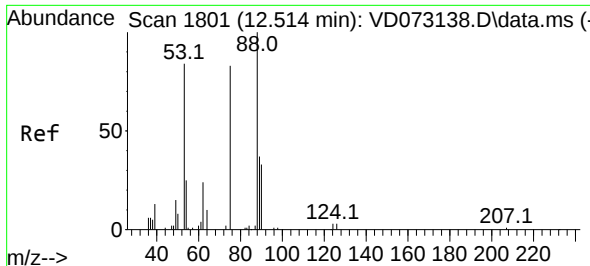
Tgt Ion:152 Resp: 99253
Ion Ratio Lower Upper
152 100
115 60.6 31.3 93.8
150 158.1 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 48.702 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073178.D
Acq: 20 May 2022 11:32

Tgt Ion: 75 Resp: 47428
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

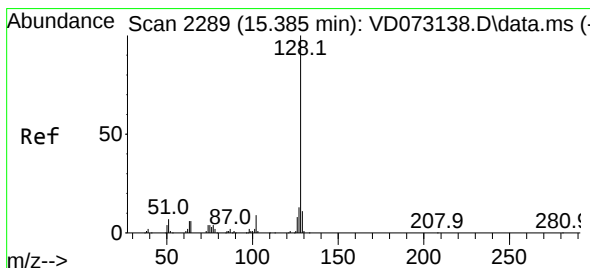
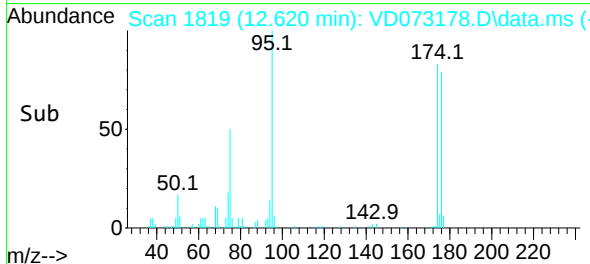
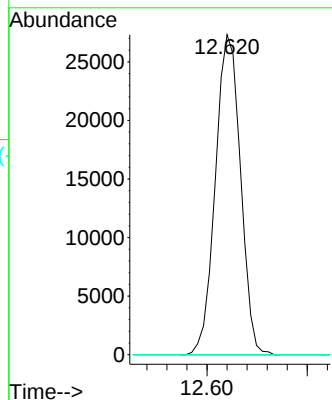
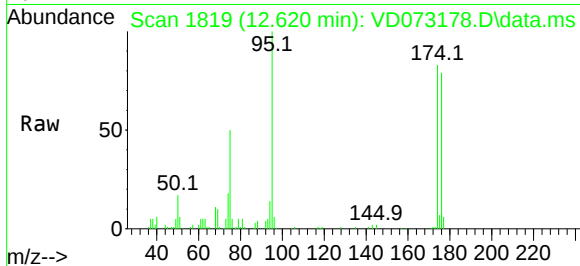




#81
trans-1,4-Dichloro-2-butene
Concen: 116.918 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073178.D
Acq: 20 May 2022 11:32

Instrument :
MSVOA_D
ClientSampleId :
P023-SS003-0006-01

Tgt Ion: 75 Resp: 47428
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.566 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD073178.D
Acq: 20 May 2022 11:32

Tgt Ion: 128 Resp: 86
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

