

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073307.D
 Acq On : 24 May 2022 03:52
 Operator : VA/SY
 Sample : N2949-09
 Misc : 4.94G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P043-SS001-1824-01

Quant Time: May 24 08:16:33 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)

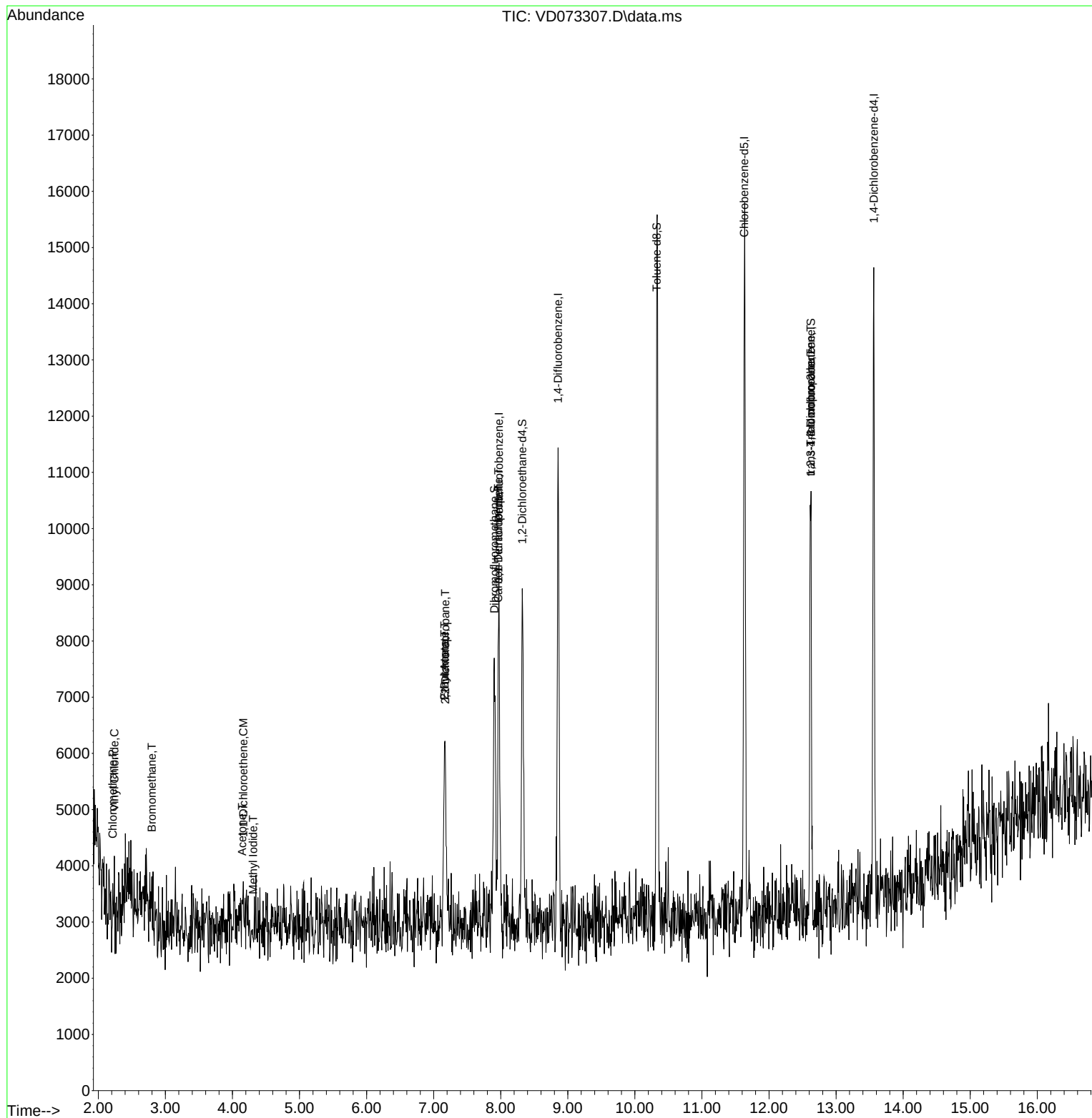
Internal Standards						
1) Pentafluorobenzene	7.973	168	4138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	8264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	8467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	3241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	4653	101.748	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 203.500%#			
35) Dibromofluoromethane	7.903	113	3954	72.509	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 145.020%			
50) Toluene-d8	10.326	98	8596	42.763	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 85.520%			
62) 4-Bromofluorobenzene	12.626	95	3432	48.650	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.300%			
Target Compounds						Qvalue
3) Chloromethane	2.215	50	61	1.305	ug/l #	40
4) Vinyl Chloride	2.238	62	123	2.877	ug/l #	43
5) Bromomethane	2.797	94	240	5.135	ug/l #	59
10) Methyl Iodide	4.309	142	68	1.397	ug/l #	38
12) 1,1-Dichloroethene	4.162	96	53	1.274	ug/l #	1
16) Acetone	4.144	43	709	89.508	ug/l #	47
25) 2-Butanone	7.162	43	57	4.919	ug/l #	52
26) 2,2-Dichloropropane	7.173	77	221	2.869	ug/l #	54
36) 1,1-Dichloropropene	7.967	75	238	2.902	ug/l #	43
37) Ethyl Acetate	7.162	43	57	1.760	ug/l #	72
38) Carbon Tetrachloride	7.961	117	270	3.248	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	1757	55.252	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	1757	132.643	ug/l #	7

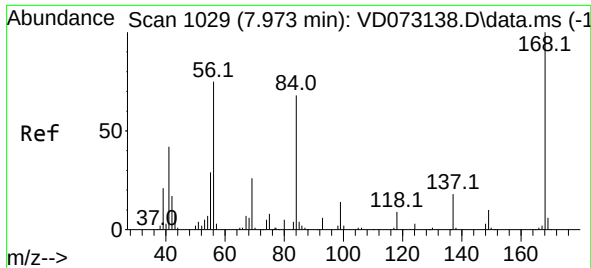
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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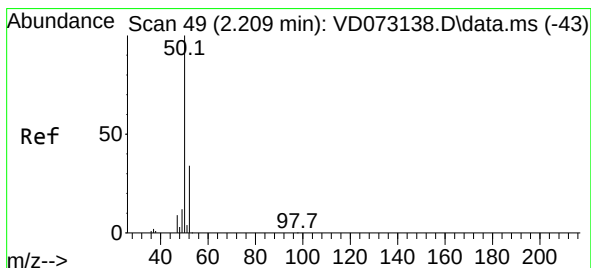
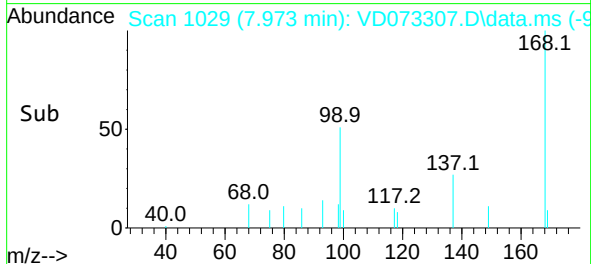
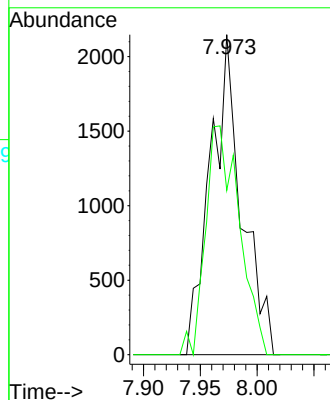
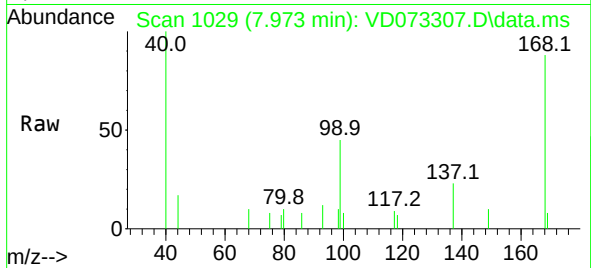




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD073307.D
Acq: 24 May 2022 03:52

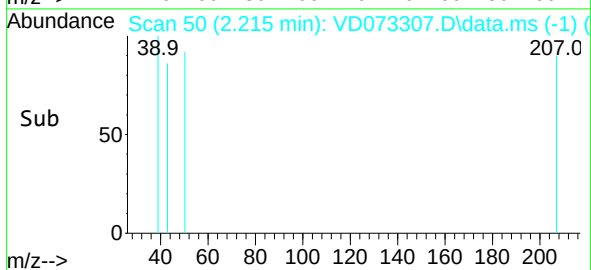
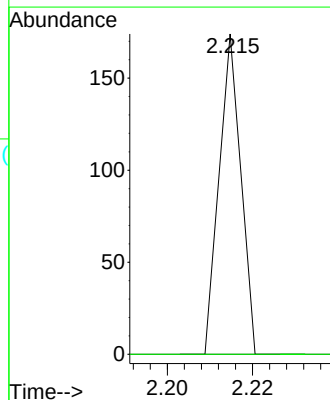
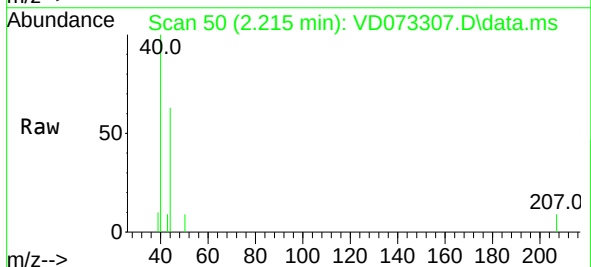
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-1824-01

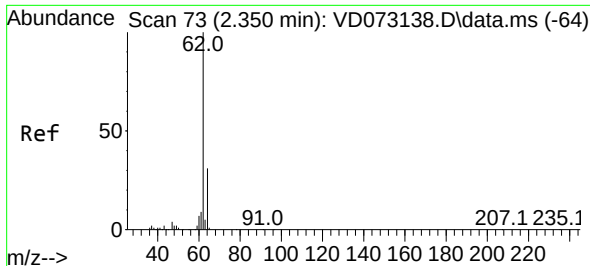
Tgt Ion:168 Resp: 4138
Ion Ratio Lower Upper
168 100
99 51.4 49.8 74.6



#3
Chloromethane
Concen: 1.305 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD073307.D
Acq: 24 May 2022 03:52

Tgt Ion: 50 Resp: 61
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

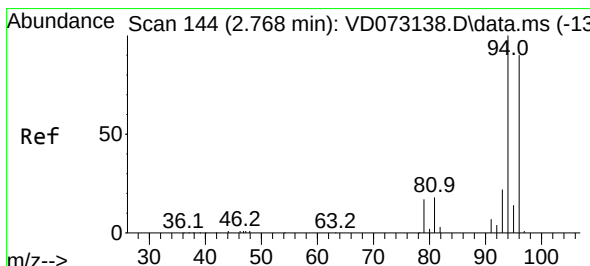
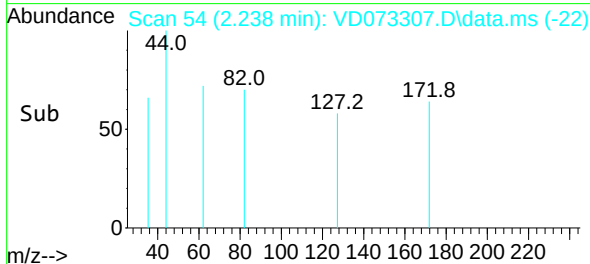
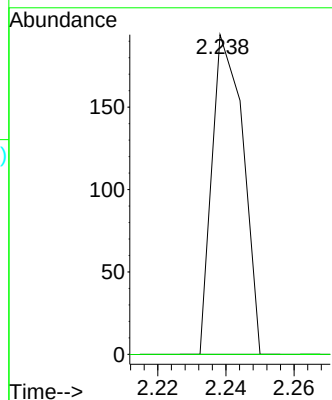
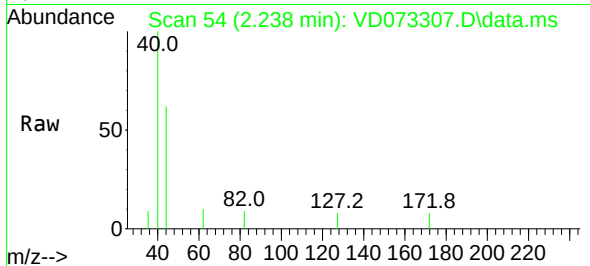




#4
 Vinyl Chloride
 Concen: 2.877 ug/l
 RT: 2.238 min Scan# 54
 Delta R.T. -0.112 min
 Lab File: VD073307.D
 Acq: 24 May 2022 03:52

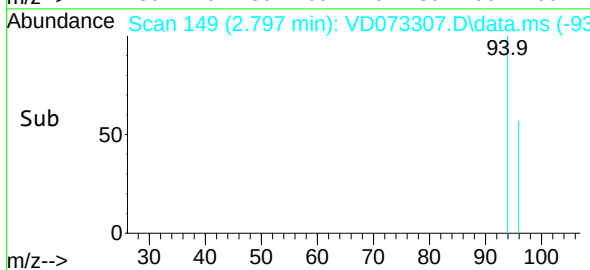
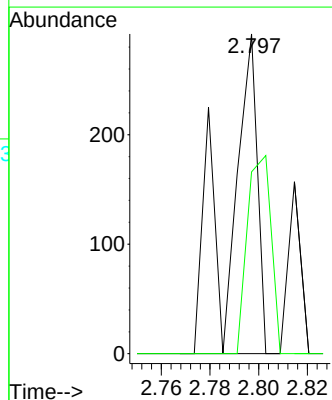
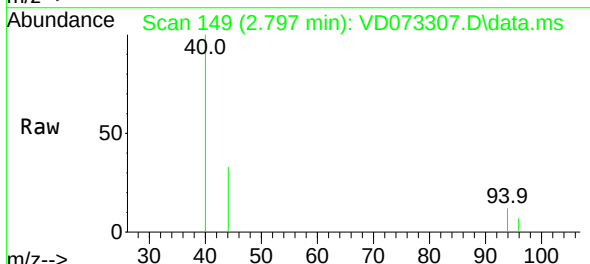
Instrument :
 MSVOA_D
 ClientSampleId :
 P043-SS001-1824-01

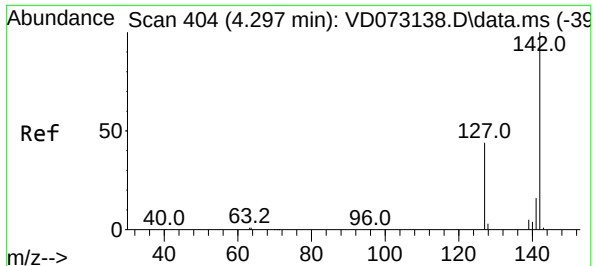
Tgt Ion: 62 Resp: 123
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.0#



#5
 Bromomethane
 Concen: 5.135 ug/l
 RT: 2.797 min Scan# 149
 Delta R.T. 0.029 min
 Lab File: VD073307.D
 Acq: 24 May 2022 03:52

Tgt Ion: 94 Resp: 240
 Ion Ratio Lower Upper
 94 100
 96 56.8 77.6 116.4#

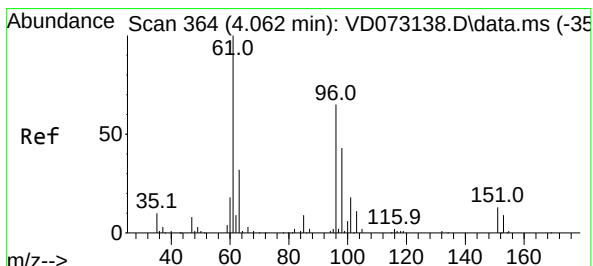
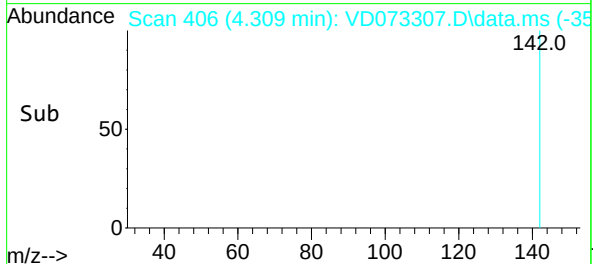
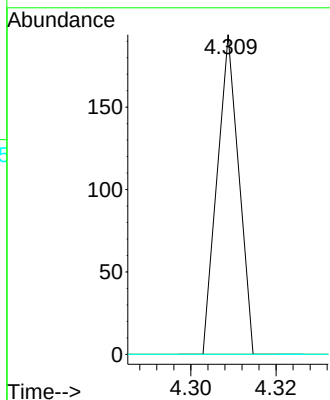
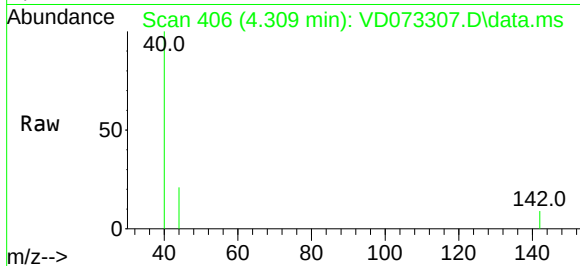




#10
Methyl Iodide
Concen: 1.397 ug/l
RT: 4.309 min Scan# 40
Delta R.T. 0.012 min
Lab File: VD073307.D
Acq: 24 May 2022 03:52

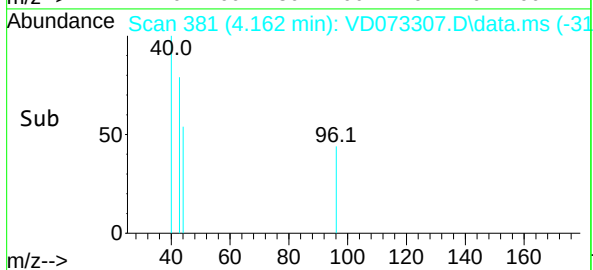
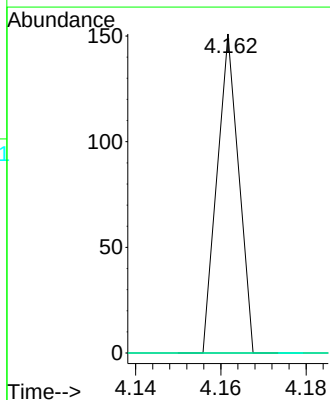
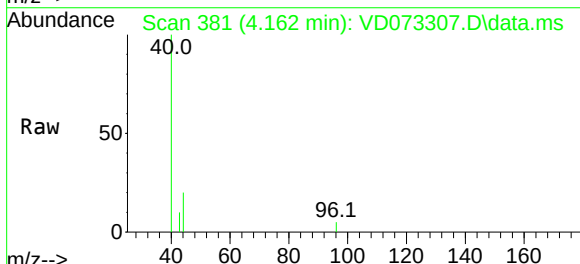
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-1824-01

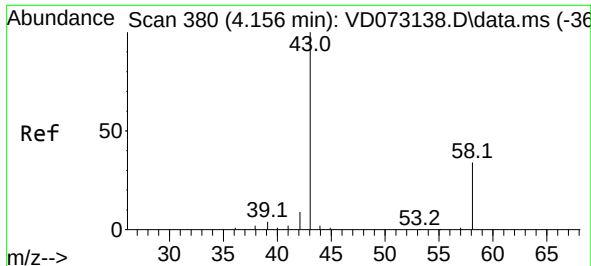
Tgt Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#



#12
1,1-Dichloroethene
Concen: 1.274 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.100 min
Lab File: VD073307.D
Acq: 24 May 2022 03:52

Tgt Ion: 96 Resp: 53
Ion Ratio Lower Upper
96 100
61 0.0 138.5 207.7#
98 0.0 48.6 73.0#

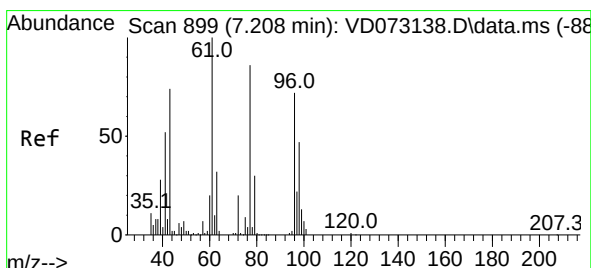
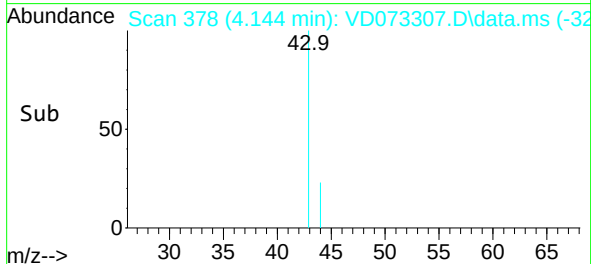
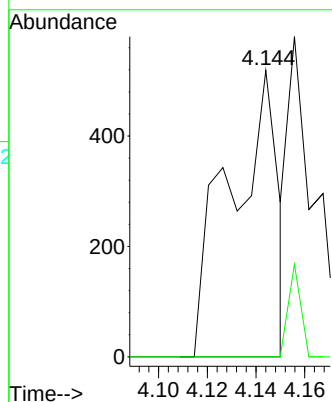
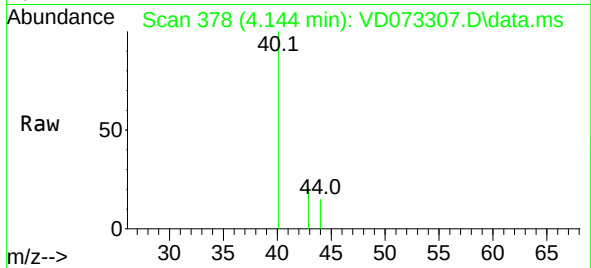




#16
Acetone
Concen: 89.508 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD073307.D
Acq: 24 May 2022 03:52

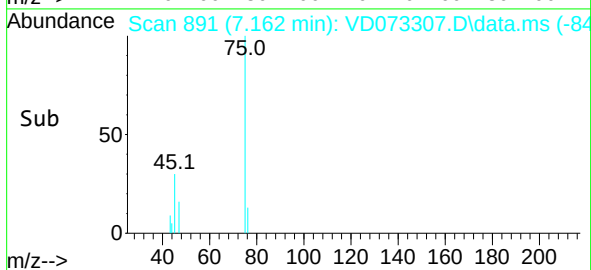
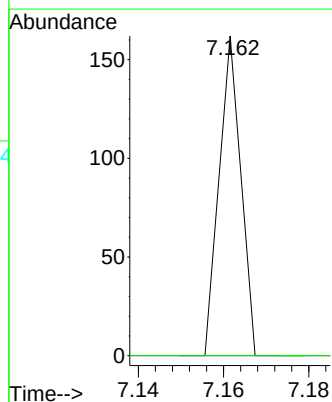
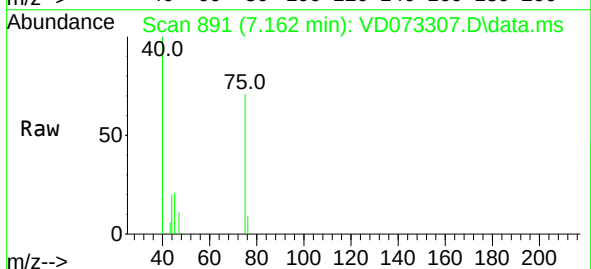
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-1824-01

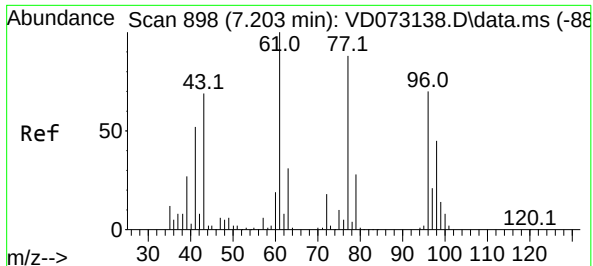
Tgt Ion: 43 Resp: 709
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#25
2-Butanone
Concen: 4.919 ug/l
RT: 7.162 min Scan# 891
Delta R.T. -0.046 min
Lab File: VD073307.D
Acq: 24 May 2022 03:52

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 2.869 ug/l

RT: 7.173 min Scan# 89

Delta R.T. -0.030 min

Lab File: VD073307.D

Acq: 24 May 2022 03:52

Instrument :

MSVOA_D

ClientSampleId :

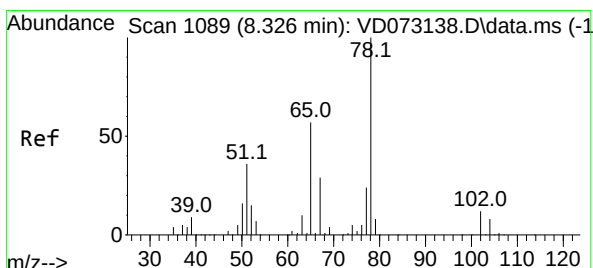
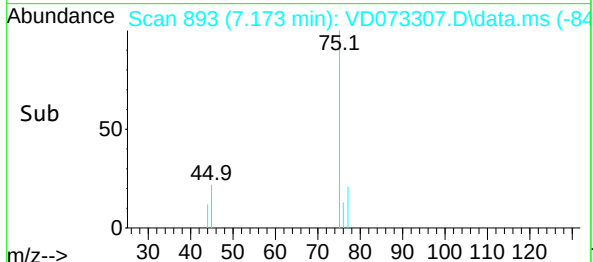
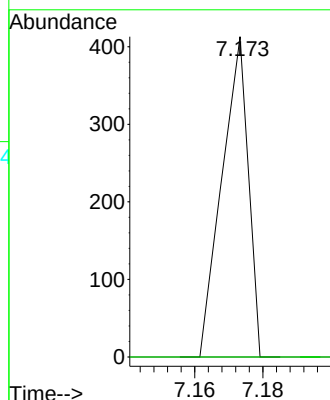
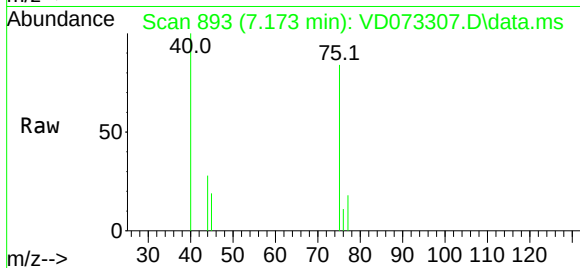
P043-SS001-1824-01

Tgt Ion: 77 Resp: 221

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#33

1,2-Dichloroethane-d4

Concen: 101.748 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073307.D

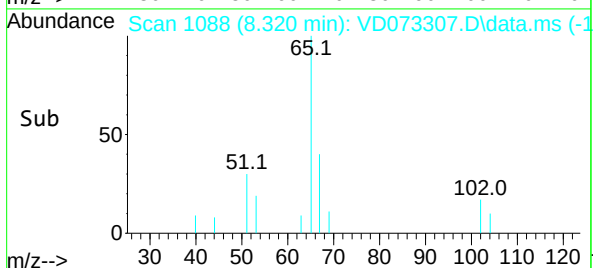
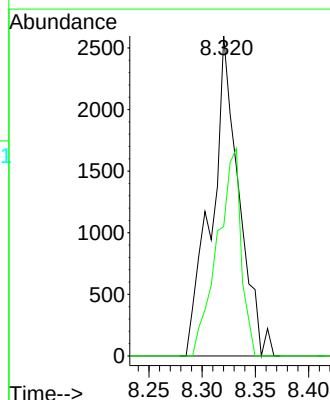
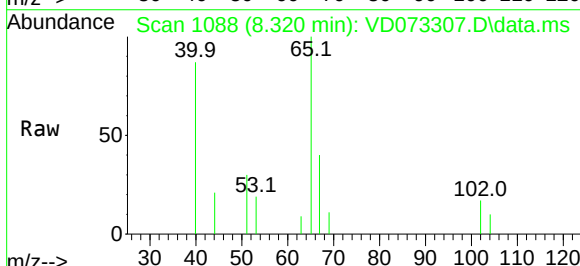
Acq: 24 May 2022 03:52

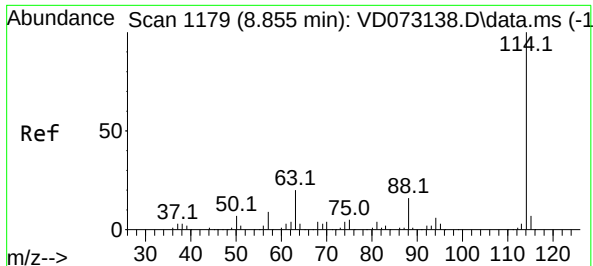
Tgt Ion: 65 Resp: 4653

Ion Ratio Lower Upper

65 100

67 56.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073307.D

Acq: 24 May 2022 03:52

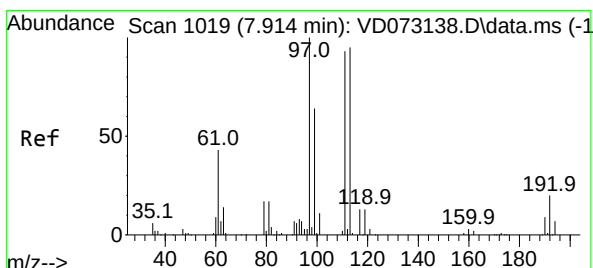
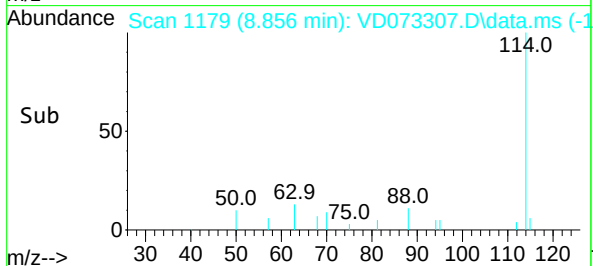
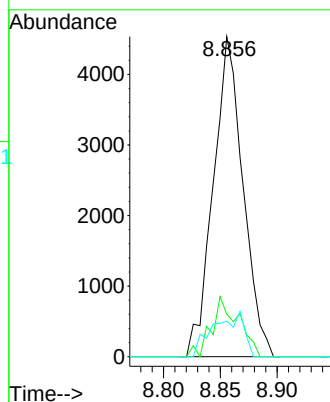
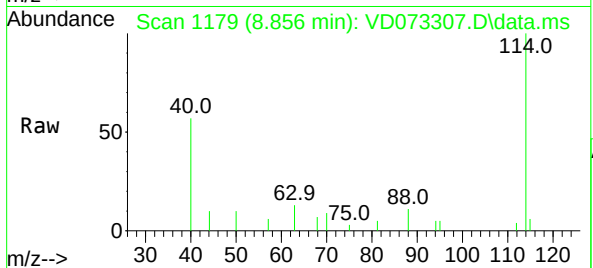
Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-1824-01

Tgt Ion:114	Resp:	8264
Ion Ratio	Lower	Upper
114	100	
63	13.3	0.0 46.6
88	11.1	0.0 33.2



#35

Dibromofluoromethane

Concen: 72.509 ug/l

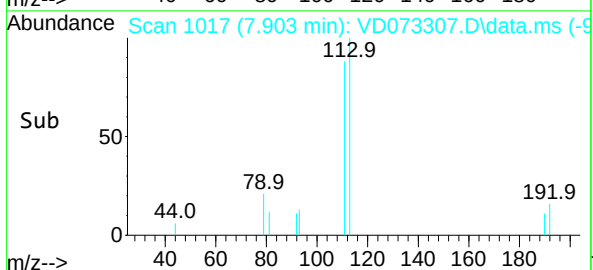
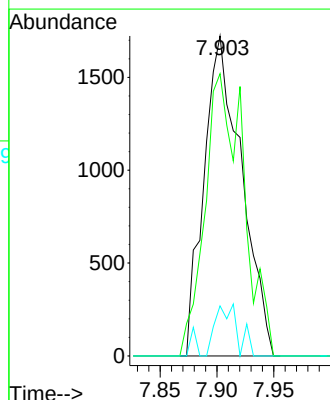
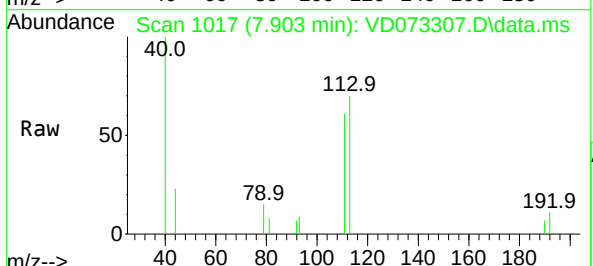
RT: 7.903 min Scan# 1017

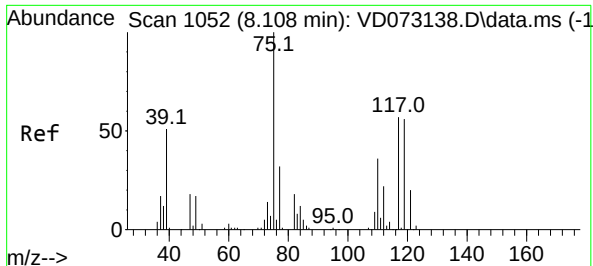
Delta R.T. -0.011 min

Lab File: VD073307.D

Acq: 24 May 2022 03:52

Tgt Ion:113	Resp:	3954
Ion Ratio	Lower	Upper
113	100	
111	91.3	83.8 125.6
192	9.6	14.6 21.8#





#36

1,1-Dichloropropene

Concen: 2.902 ug/l

RT: 7.967 min Scan# 1052

Delta R.T. -0.141 min

Lab File: VD073307.D

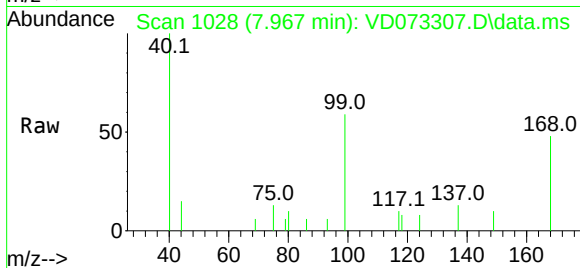
Acq: 24 May 2022 03:52

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-1824-01



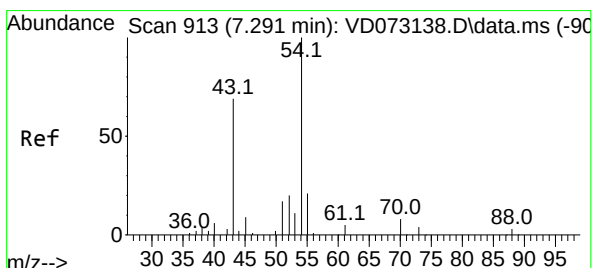
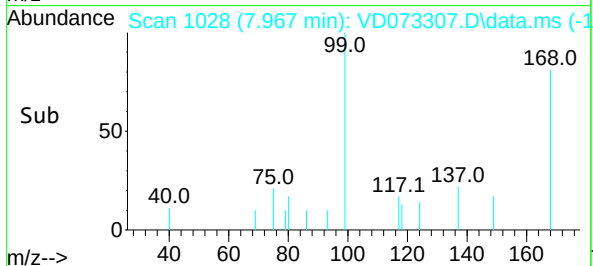
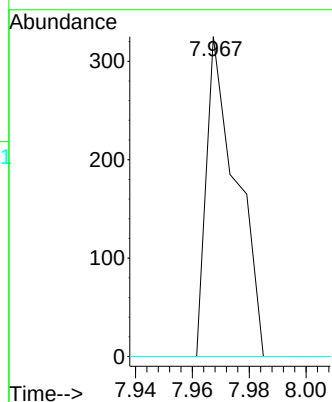
Tgt Ion: 75 Resp: 238

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.760 ug/l

RT: 7.162 min Scan# 891

Delta R.T. -0.129 min

Lab File: VD073307.D

Acq: 24 May 2022 03:52

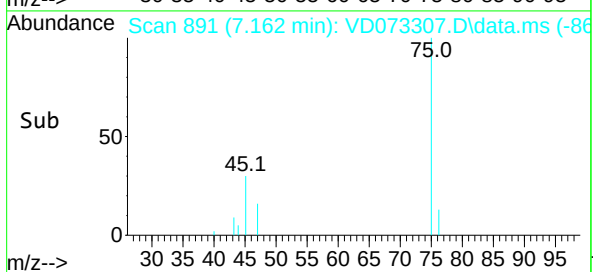
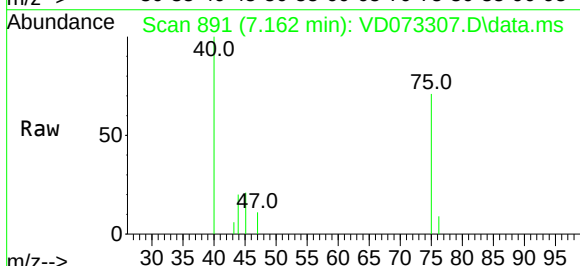
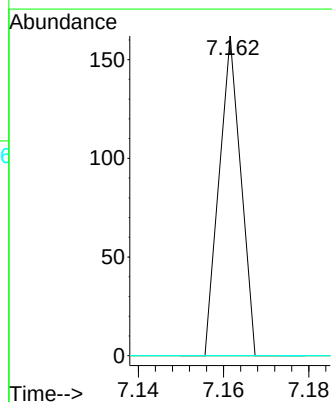
Tgt Ion: 43 Resp: 57

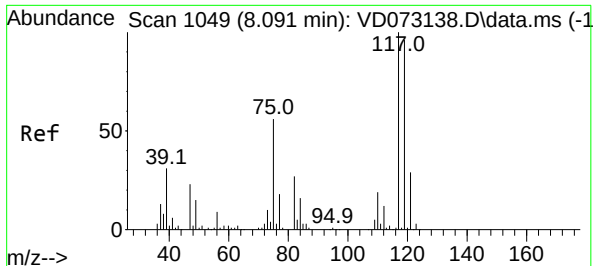
Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.9 10.3#

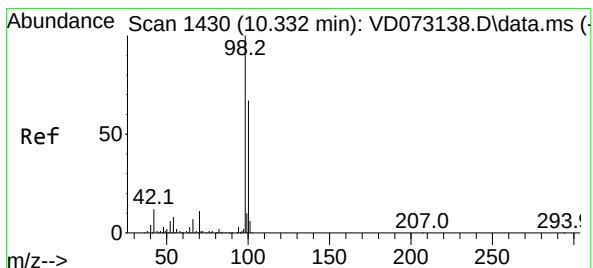
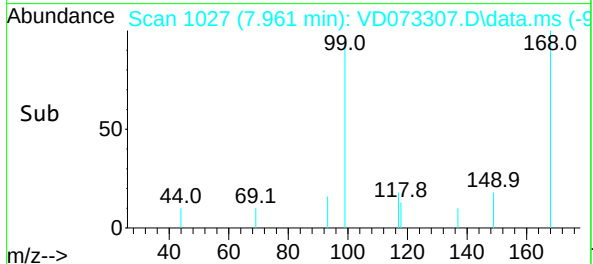
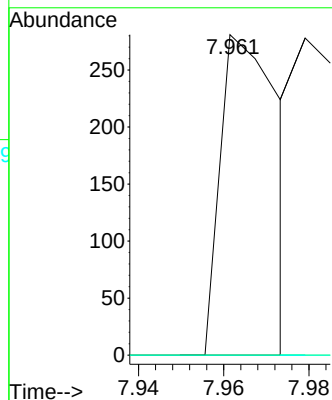
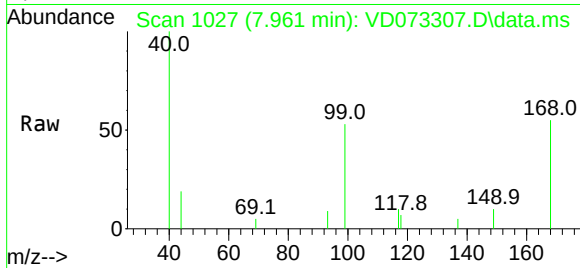




#38
Carbon Tetrachloride
Concen: 3.248 ug/l
RT: 7.961 min Scan# 1049
Delta R.T. -0.130 min
Lab File: VD073307.D
Acq: 24 May 2022 03:52

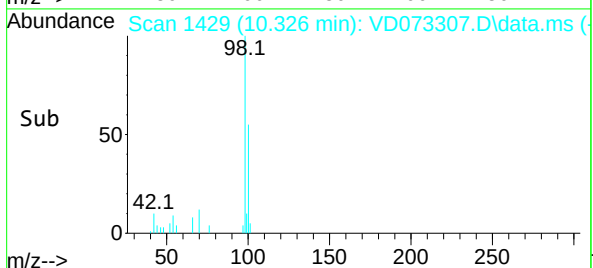
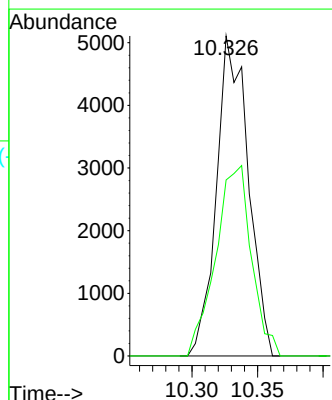
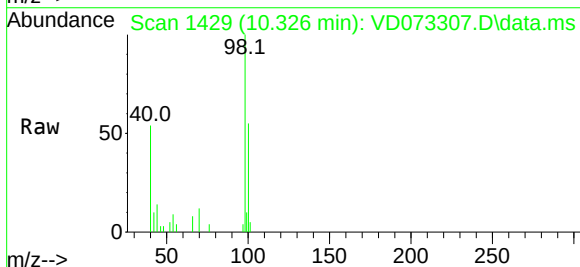
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-1824-01

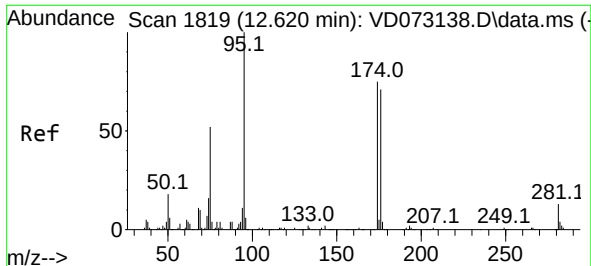
Tgt Ion:117 Resp: 270
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 42.763 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. -0.006 min
Lab File: VD073307.D
Acq: 24 May 2022 03:52

Tgt Ion: 98 Resp: 8596
Ion Ratio Lower Upper
98 100
100 67.0 52.4 78.6

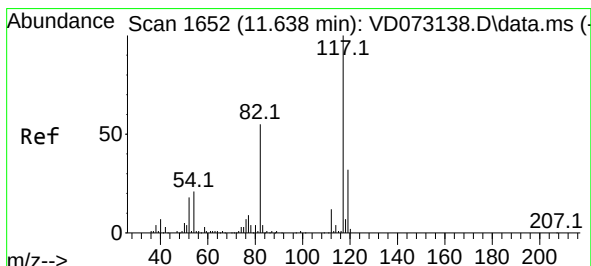
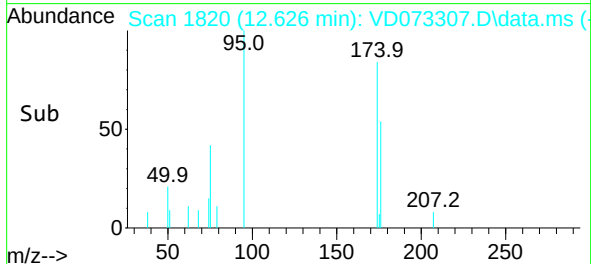
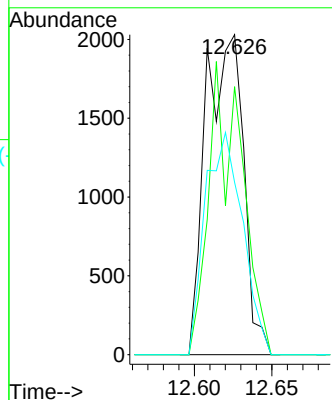
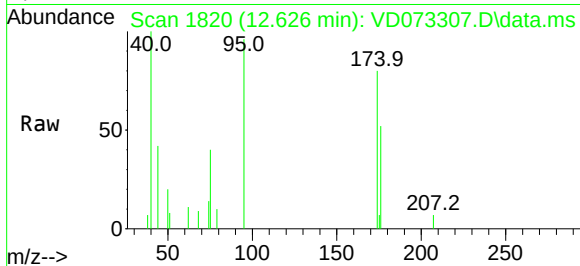




#62
4-Bromofluorobenzene
Concen: 48.650 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD073307.D
Acq: 24 May 2022 03:52

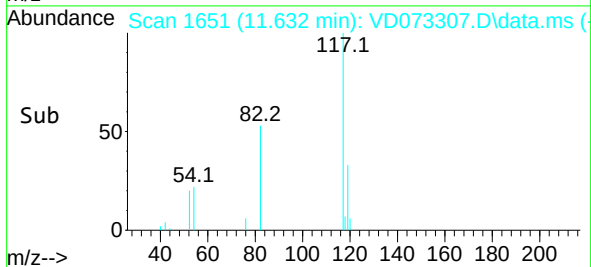
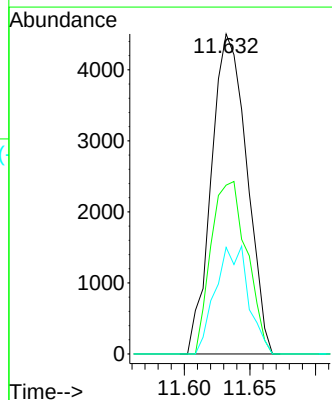
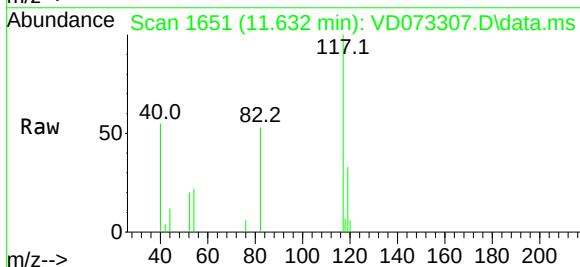
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-1824-01

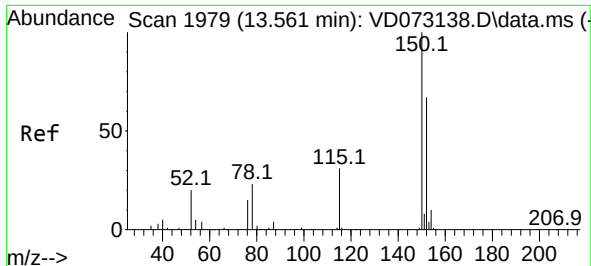
Tgt Ion:	95	Resp:	3432
Ion Ratio	Lower	Upper	
95	100		
174	79.2	0.0	152.8
176	68.9	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073307.D
Acq: 24 May 2022 03:52

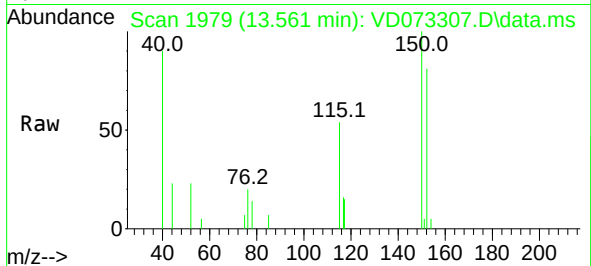
Tgt Ion:	117	Resp:	8467
Ion Ratio	Lower	Upper	
117	100		
82	52.8	45.3	67.9
119	33.3	26.6	40.0



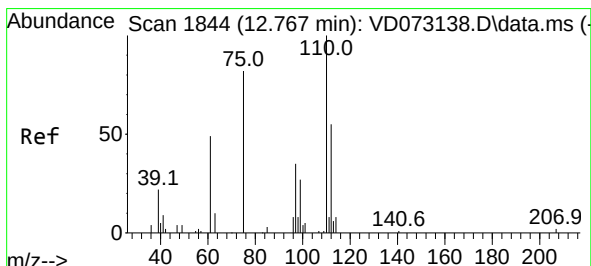
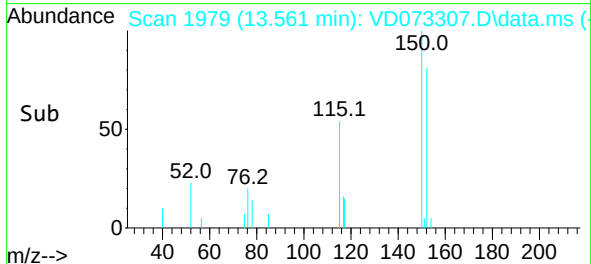
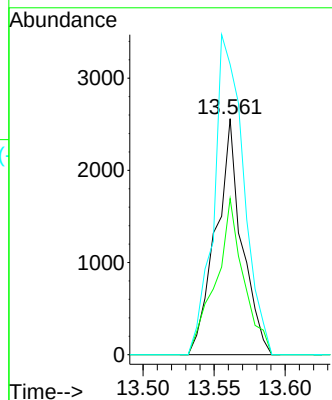


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD073307.D
 Acq: 24 May 2022 03:52

Instrument :
 MSVOA_D
 ClientSampleId :
 P043-SS001-1824-01

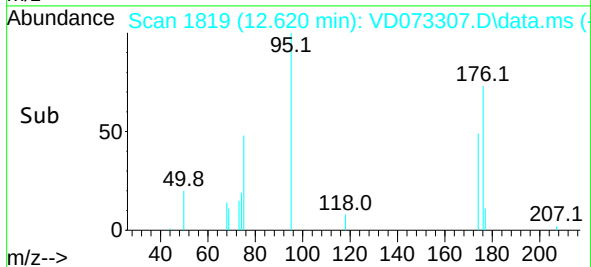
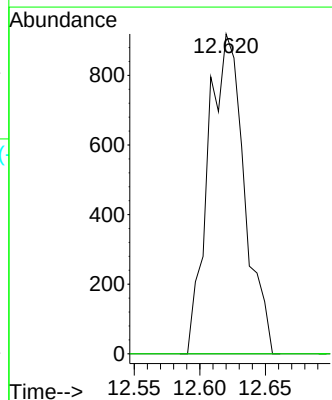
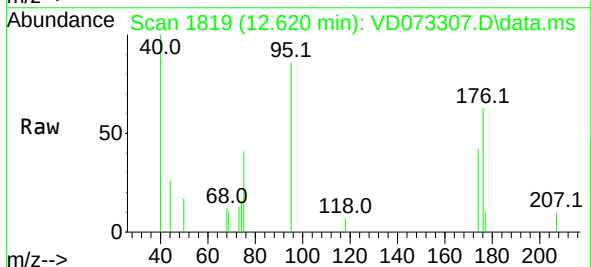


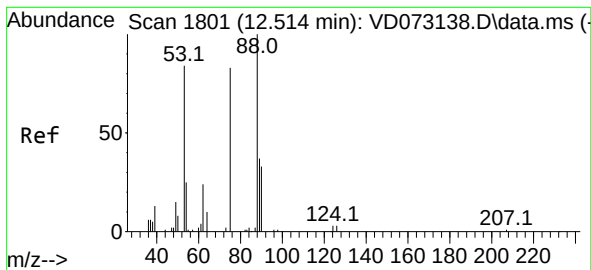
Tgt Ion:152 Resp: 3241
 Ion Ratio Lower Upper
 152 100
 115 70.8 31.3 93.8
 150 156.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 55.252 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073307.D
 Acq: 24 May 2022 03:52

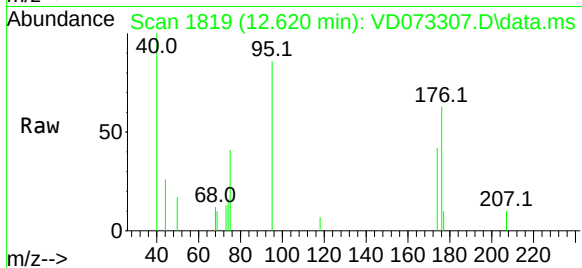
Tgt Ion: 75 Resp: 1757
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.643 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073307.D
 Acq: 24 May 2022 03:52

Instrument :
 MSVOA_D
 ClientSampleId :
 P043-SS001-1824-01



Tgt Ion: 75 Resp: 1757
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

