

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077138.D
 Acq On : 18 Sep 2023 19:08
 Operator : JC/SY
 Sample : 04436-01
 Misc : 5.97G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 19 04:59:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

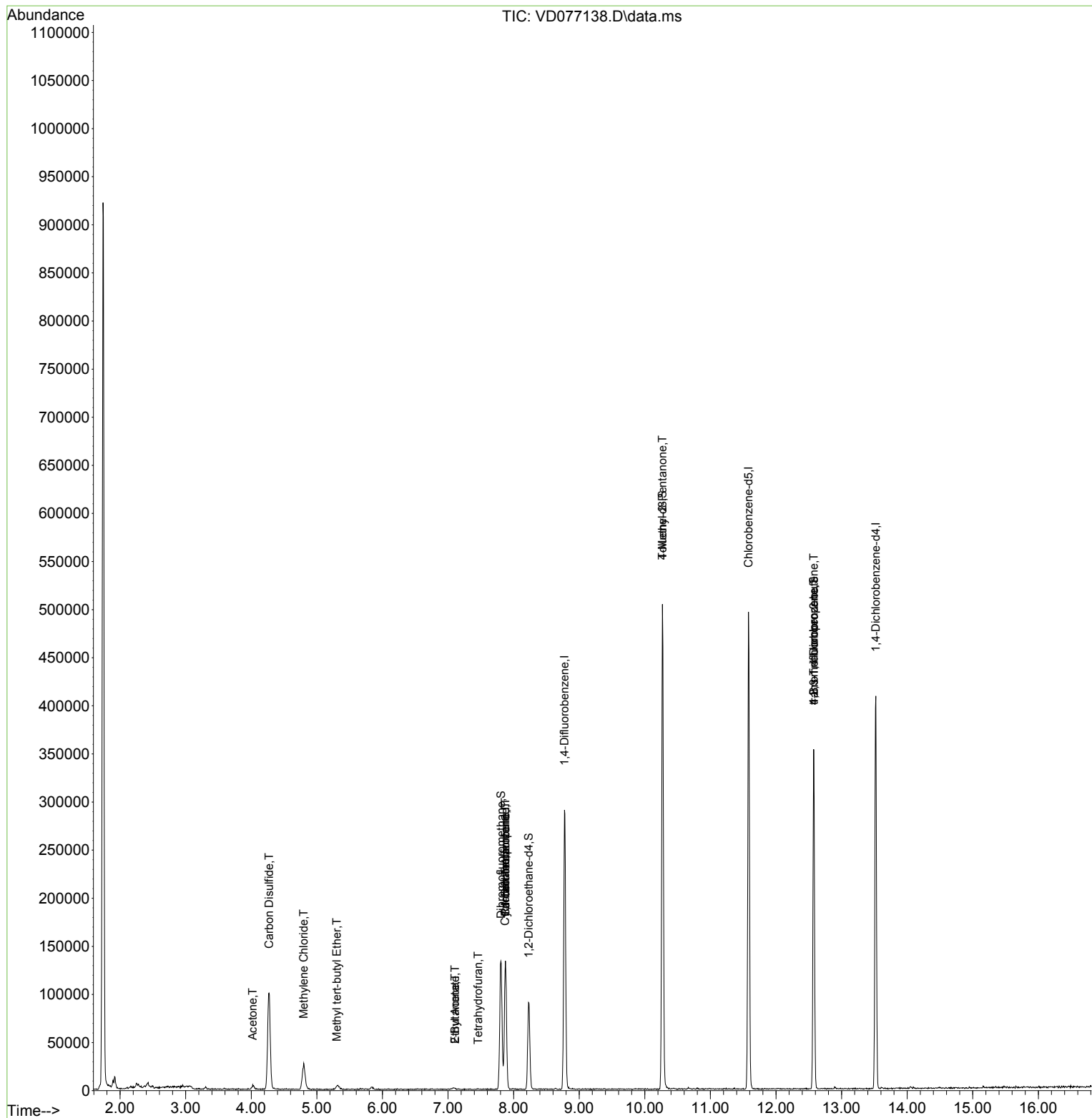
Internal Standards						
1) Pentafluorobenzene	7.875	168	107464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	271183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	301741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	118096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	71966	66.356	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.720%	
35) Dibromofluoromethane	7.810	113	99850	53.010	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.020%	
50) Toluene-d8	10.269	98	352982	52.648	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.300%	
62) 4-Bromofluorobenzene	12.575	95	104965	50.511	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.020%	
Target Compounds						
					Qvalue	
13) Acrolein	3.805	56	78	Below Cal	#	15
16) Acetone	4.022	43	6603	26.638	ug/l #	80
17) Carbon Disulfide	4.269	76	221590	53.845	ug/l	99
19) Methyl tert-butyl Ether	5.305	73	5446	2.013	ug/l	94
20) Methylene Chloride	4.799	84	21297	7.968	ug/l	92
25) 2-Butanone	7.105	43	2317	7.105	ug/l	100
29) Tetrahydrofuran	7.458	42	359	1.883	ug/l #	59
31) Cyclohexane	7.869	56	2224	1.172	ug/l #	62
36) 1,1-Dichloropropene	7.875	75	8585	3.026	ug/l #	43
37) Ethyl Acetate	7.105	43	2317	2.129	ug/l #	62
38) Carbon Tetrachloride	7.875	117	10009	3.590	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	1310	1.250	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	54207	57.543	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	54207	108.918	ug/l #	18

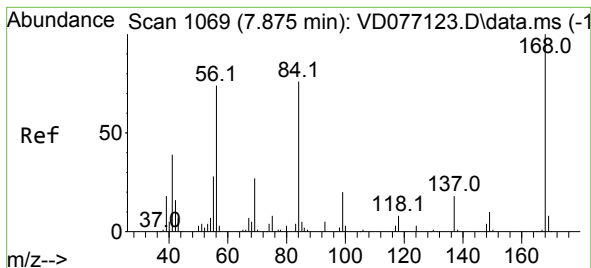
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 19 04:46:37 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

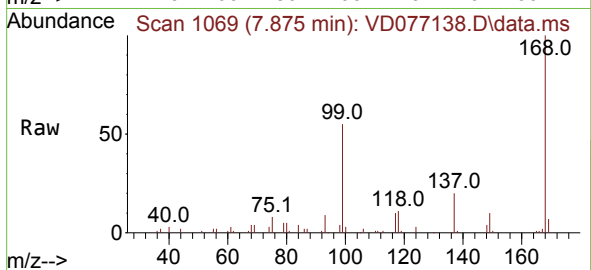
Lab File: VD077138.D

Acq: 18 Sep 2023 19:08

Instrument :

MSVOA_D

ClientSampleId :

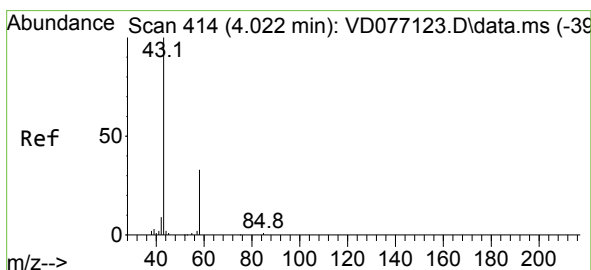
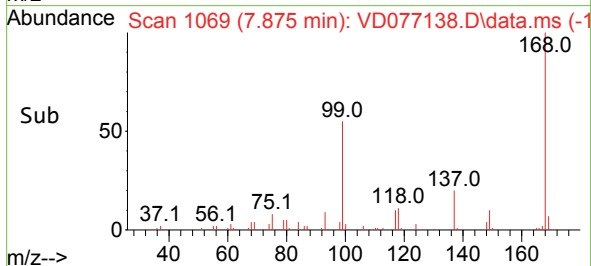
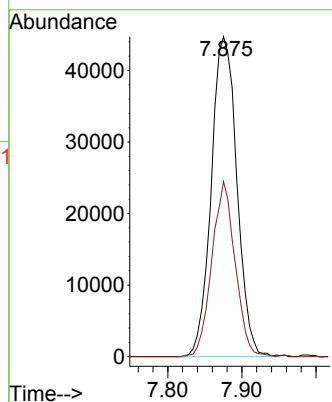


Tgt Ion:168 Resp: 107464

Ion Ratio Lower Upper

168 100

99 54.7 36.7 55.1



#16

Acetone

Concen: 26.638 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD077138.D

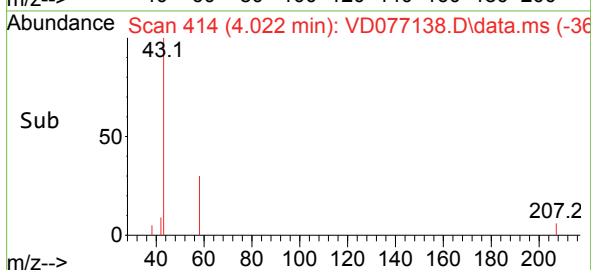
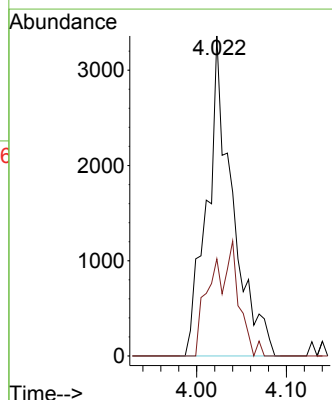
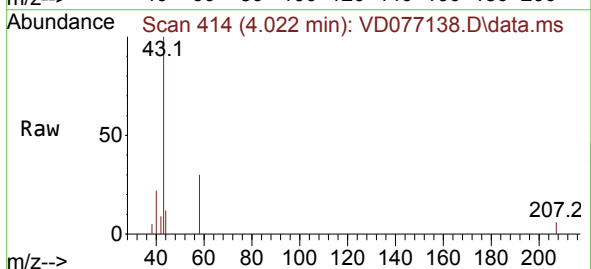
Acq: 18 Sep 2023 19:08

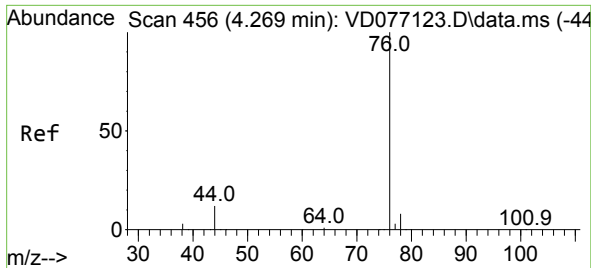
Tgt Ion: 43 Resp: 6603

Ion Ratio Lower Upper

43 100

58 30.3 34.7 52.1#

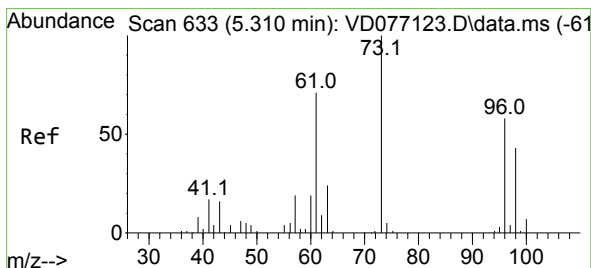
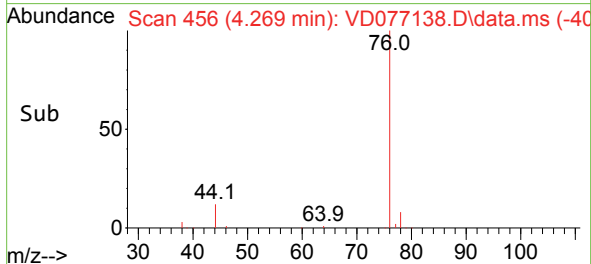
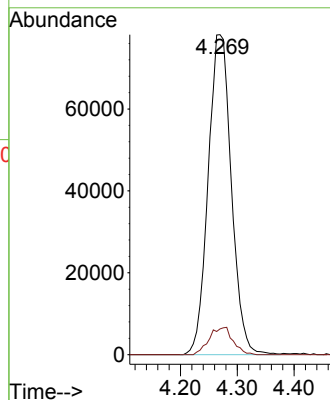
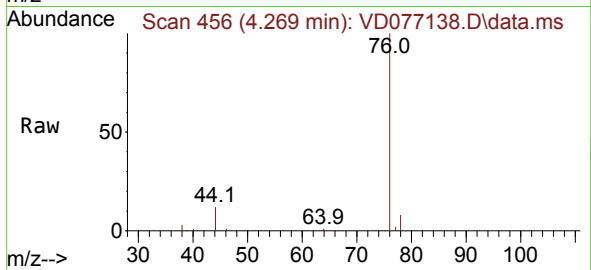




#17
Carbon Disulfide
Concen: 53.845 ug/l
RT: 4.269 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD077138.D
Acq: 18 Sep 2023 19:08

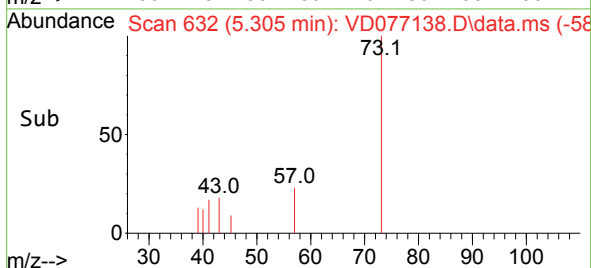
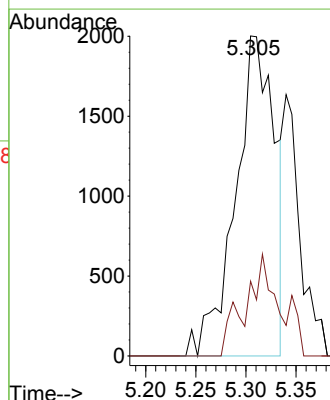
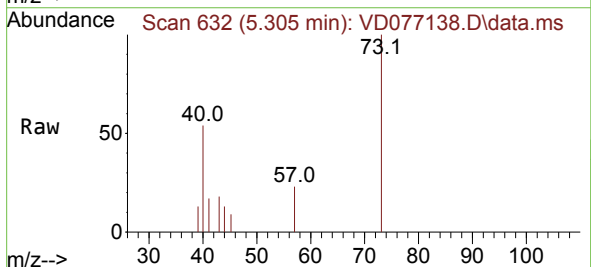
Instrument :
MSVOA_D
ClientSampleId :

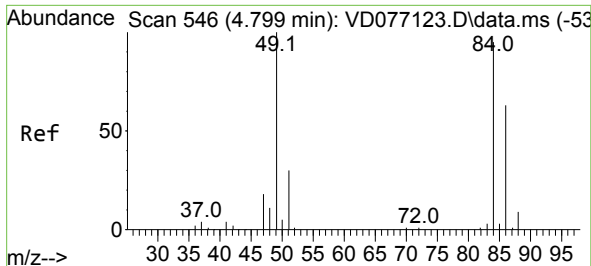
Tgt Ion: 76 Resp: 221590
Ion Ratio Lower Upper
76 100
78 8.0 6.8 10.2



#19
Methyl tert-butyl Ether
Concen: 2.013 ug/l
RT: 5.305 min Scan# 632
Delta R.T. -0.006 min
Lab File: VD077138.D
Acq: 18 Sep 2023 19:08

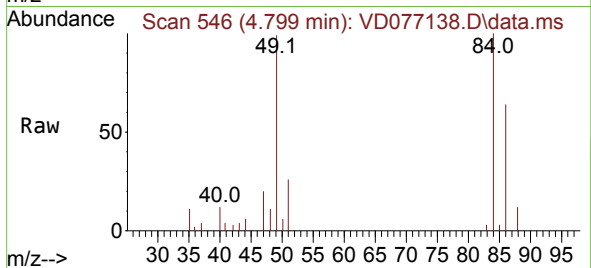
Tgt Ion: 73 Resp: 5446
Ion Ratio Lower Upper
73 100
57 23.4 16.6 25.0



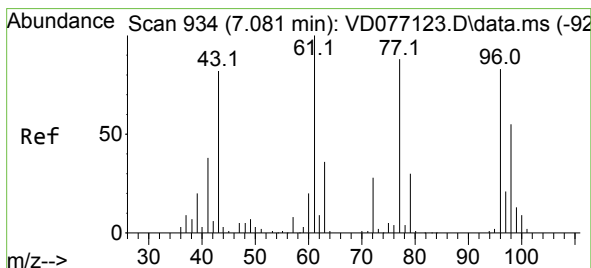
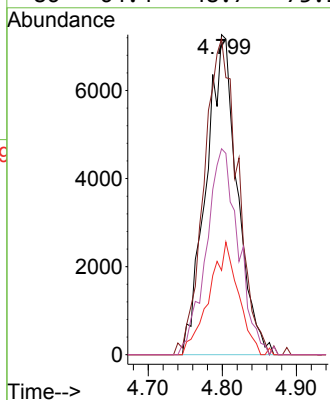
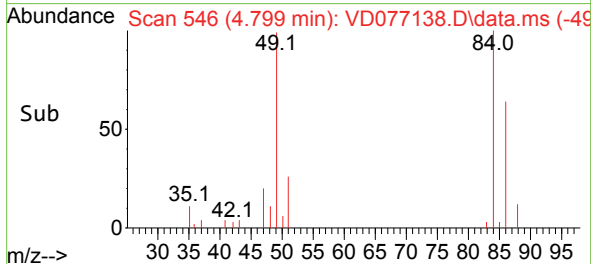


#20
Methylene Chloride
Concen: 7.968 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD077138.D
Acq: 18 Sep 2023 19:08

Instrument :
MSVOA_D
ClientSampleId :

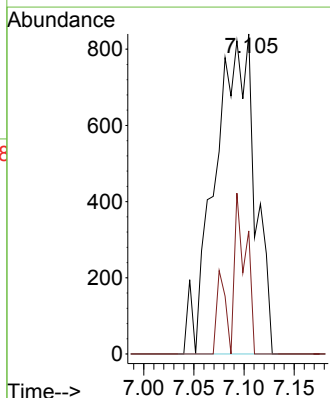
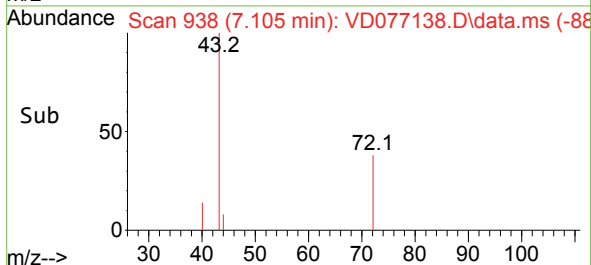
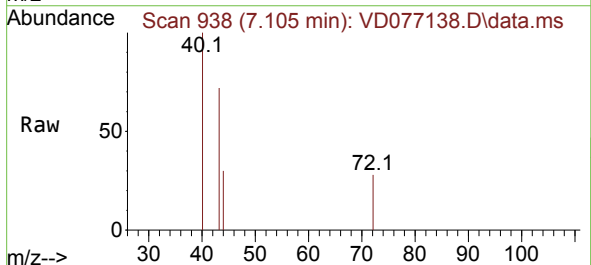


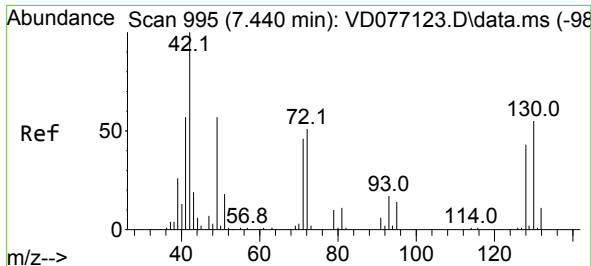
Tgt Ion: 84	Resp: 21297
Ion Ratio	Lower Upper
84	100
49	98.7 71.4 107.2
51	26.3 24.5 36.7
86	64.4 48.7 73.1



#25
2-Butanone
Concen: 7.105 ug/l
RT: 7.105 min Scan# 938
Delta R.T. 0.024 min
Lab File: VD077138.D
Acq: 18 Sep 2023 19:08

Tgt Ion: 43	Resp: 2317
Ion Ratio	Lower Upper
43	100
72	38.5 30.7 46.1





#29

Tetrahydrofuran

Concen: 1.883 ug/l

RT: 7.458 min Scan# 995

Delta R.T. 0.018 min

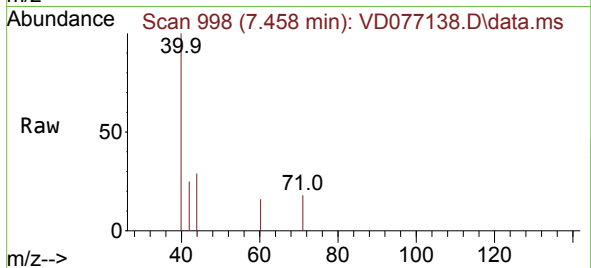
Lab File: VD077138.D

Acq: 18 Sep 2023 19:08

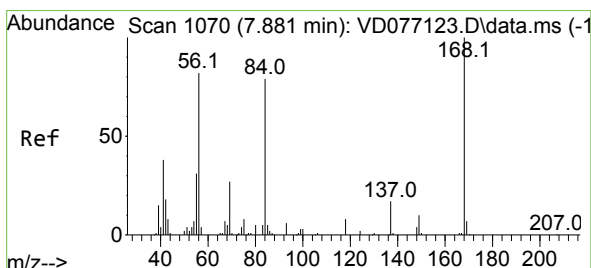
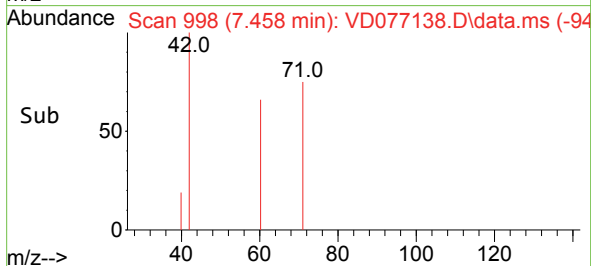
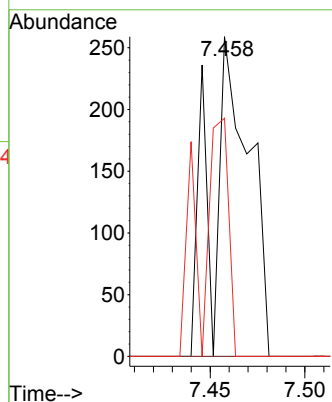
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	359
Ion	Ratio	Lower	Upper
42	100		
72	0.0	46.5	69.7#
71	54.3	44.5	66.7



#31

Cyclohexane

Concen: 1.172 ug/l

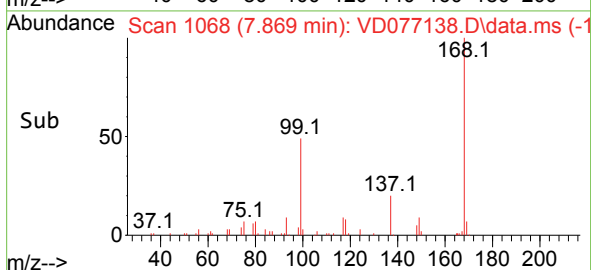
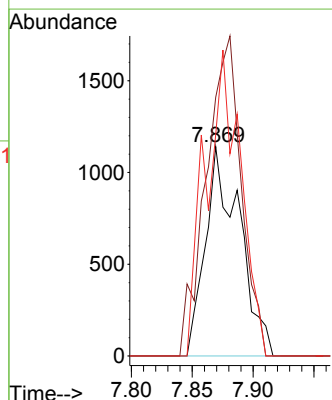
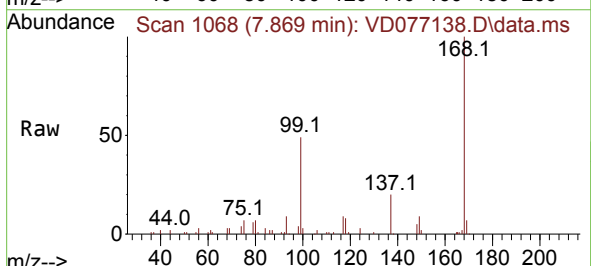
RT: 7.869 min Scan# 1068

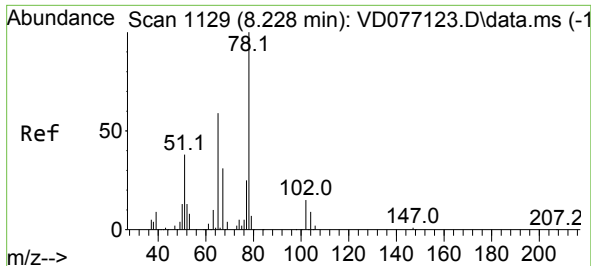
Delta R.T. -0.012 min

Lab File: VD077138.D

Acq: 18 Sep 2023 19:08

Tgt Ion:	56	Resp:	2224
Ion	Ratio	Lower	Upper
56	100		
69	123.6	28.6	43.0#
84	105.8	84.8	127.2





#33

1,2-Dichloroethane-d4

Concen: 66.356 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077138.D

Acq: 18 Sep 2023 19:08

Instrument :

MSVOA_D

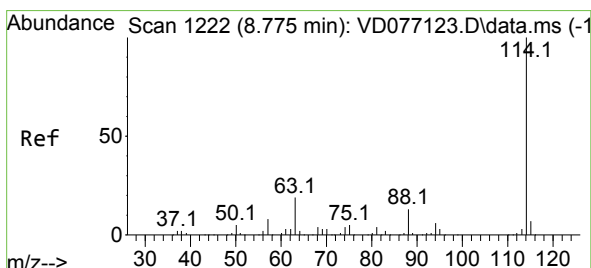
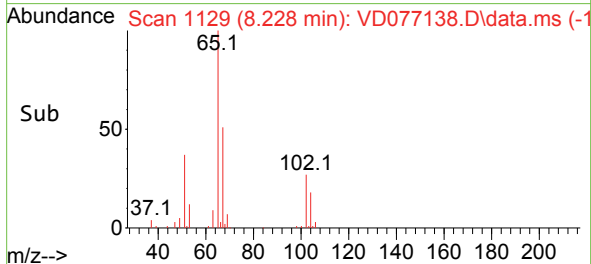
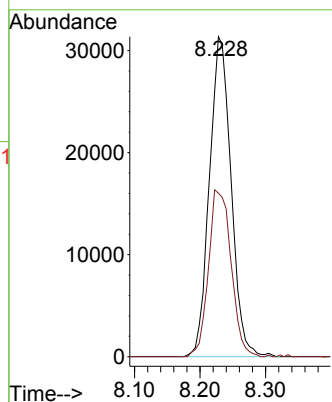
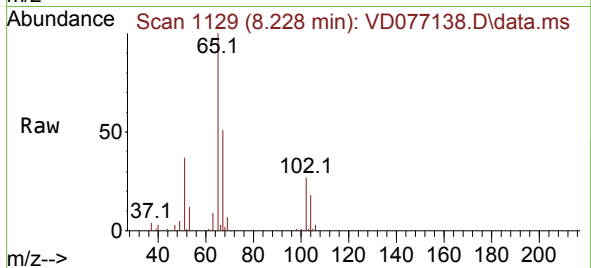
ClientSampleId :

Tgt Ion: 65 Resp: 71966

Ion Ratio Lower Upper

65 100

67 54.4 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077138.D

Acq: 18 Sep 2023 19:08

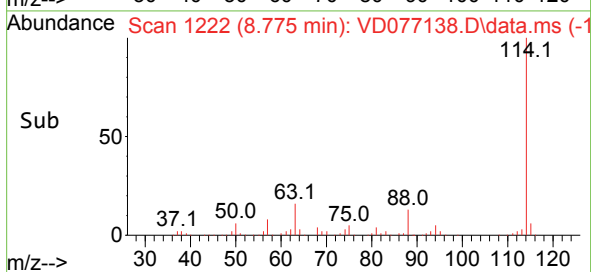
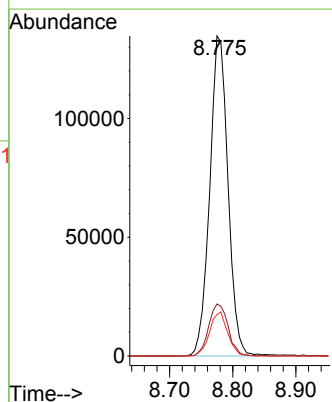
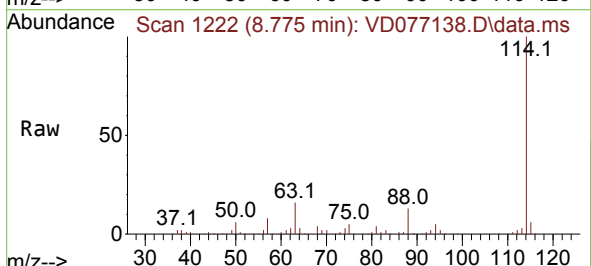
Tgt Ion: 114 Resp: 271183

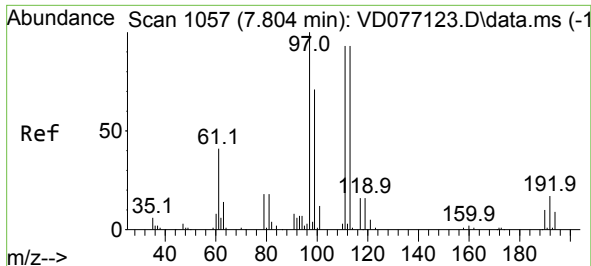
Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.4

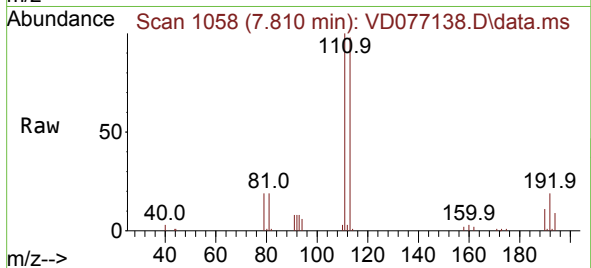
88 12.9 0.0 26.2



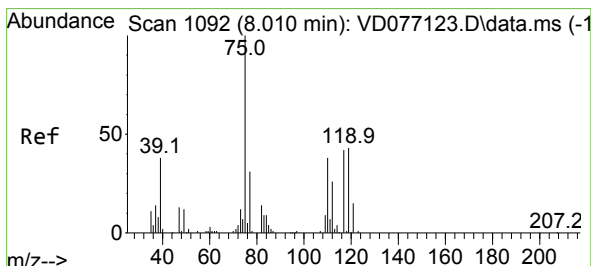
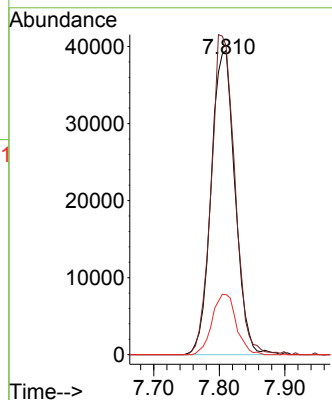
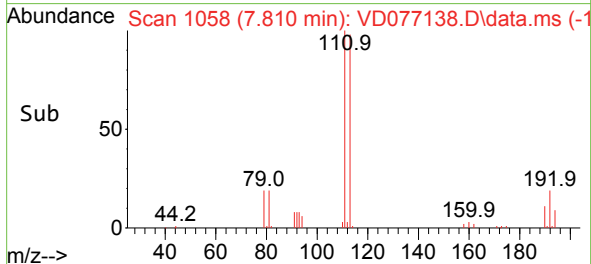


#35
Dibromofluoromethane
Concen: 53.010 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077138.D
Acq: 18 Sep 2023 19:08

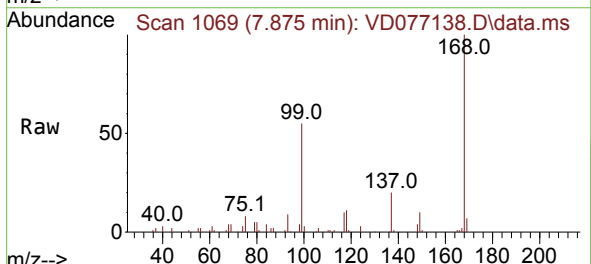
Instrument :
MSVOA_D
ClientSampleId :



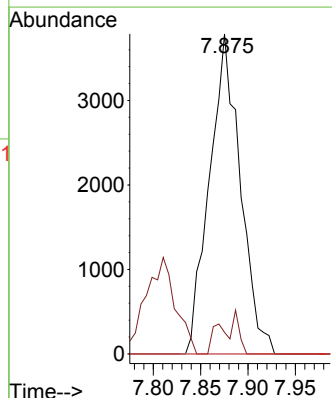
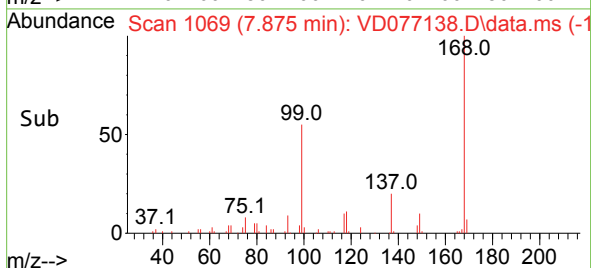
Tgt Ion:113 Resp: 99850
Ion Ratio Lower Upper
113 100
111 104.2 84.7 127.1
192 20.0 16.8 25.2

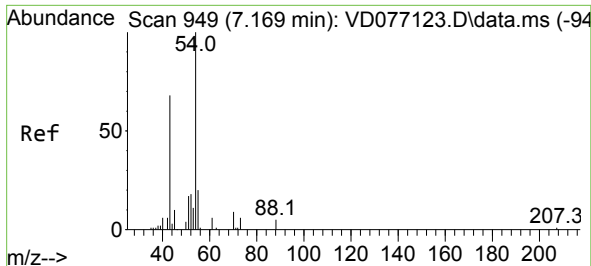


#36
1,1-Dichloropropene
Concen: 3.026 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077138.D
Acq: 18 Sep 2023 19:08



Tgt Ion: 75 Resp: 8585
Ion Ratio Lower Upper
75 100
110 4.6 19.9 59.6#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.129 ug/l

RT: 7.105 min Scan# 91

Delta R.T. -0.064 min

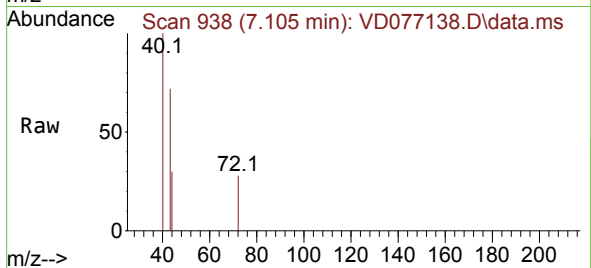
Lab File: VD077138.D

Acq: 18 Sep 2023 19:08

Instrument :

MSVOA_D

ClientSampleId :



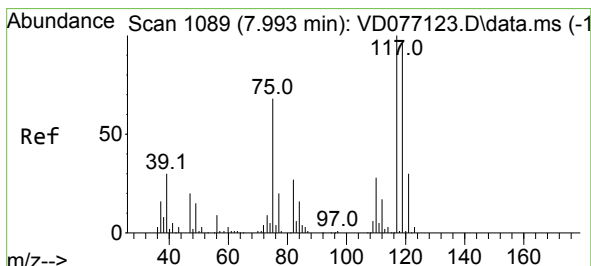
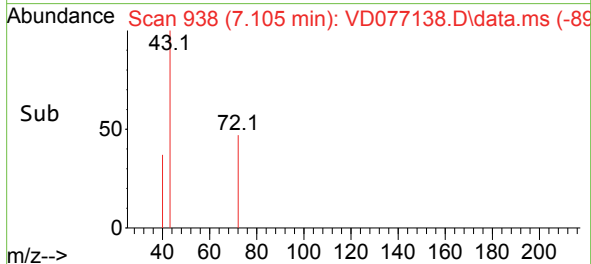
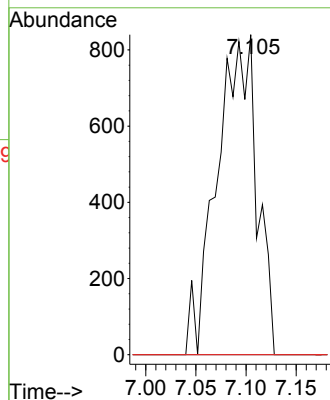
Tgt Ion: 43 Resp: 2317

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 3.590 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

Lab File: VD077138.D

Acq: 18 Sep 2023 19:08

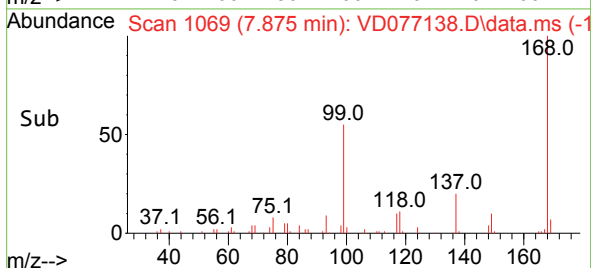
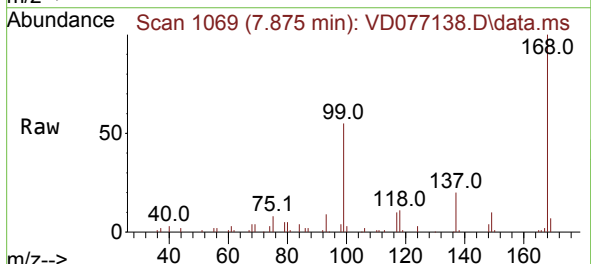
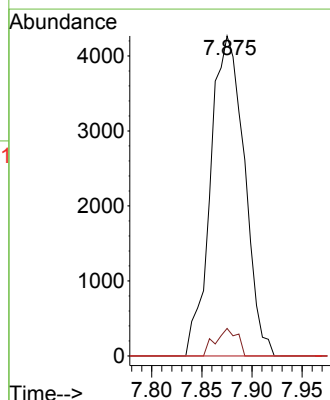
Tgt Ion: 117 Resp: 10009

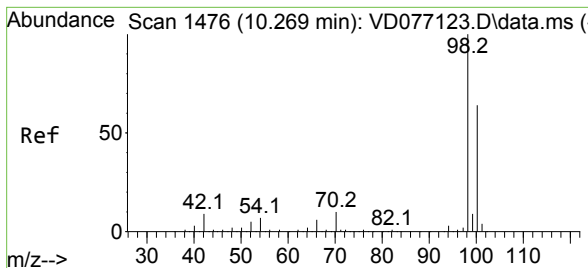
Ion Ratio Lower Upper

117 100

119 8.6 78.0 117.0#

121 0.0 24.2 36.2#

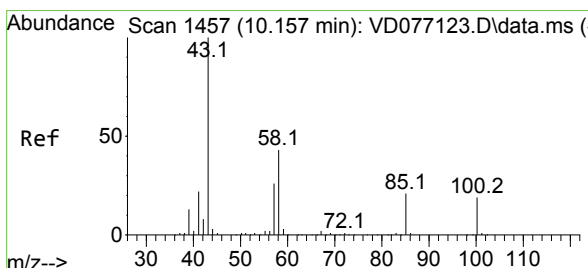
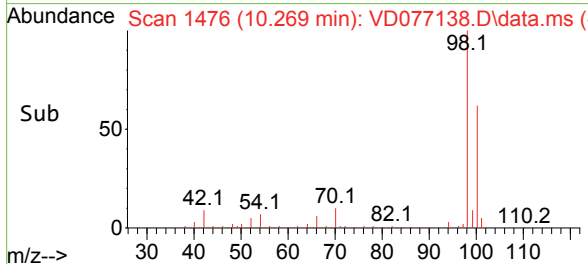
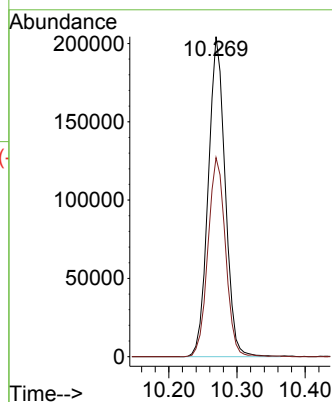
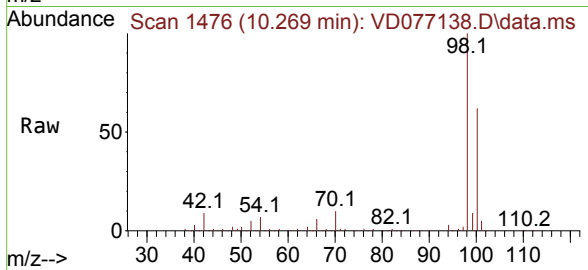




#50
Toluene-d8
Concen: 52.648 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077138.D
Acq: 18 Sep 2023 19:08

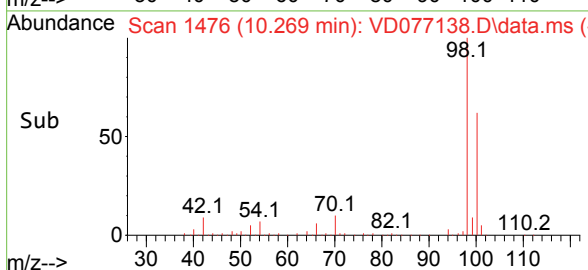
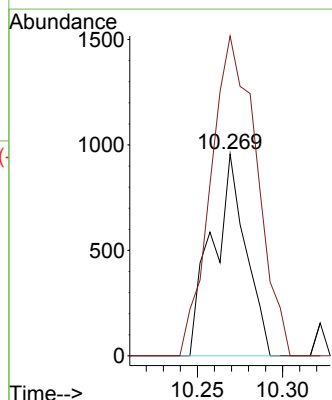
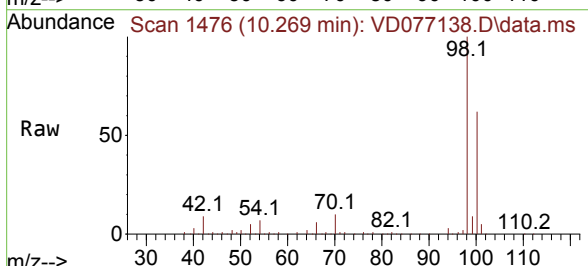
Instrument :
MSVOA_D
ClientSampleId :

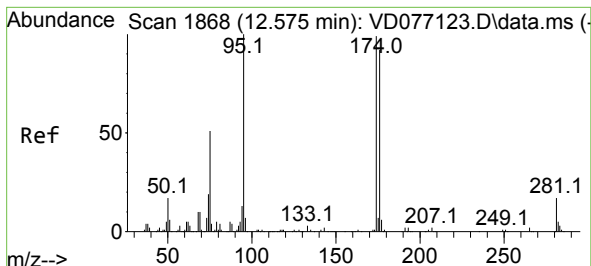
Tgt Ion: 98 Resp: 352982
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.250 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD077138.D
Acq: 18 Sep 2023 19:08

Tgt Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
58 216.8 38.9 58.3#

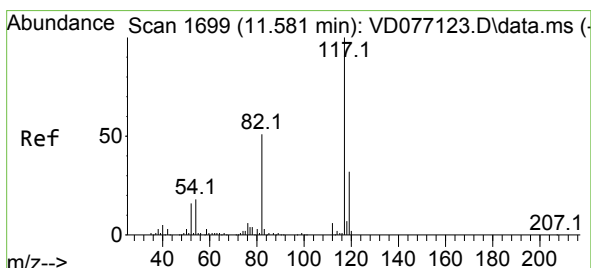
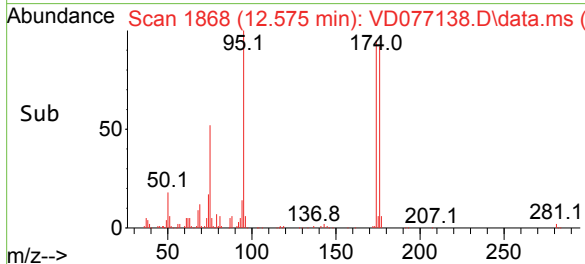
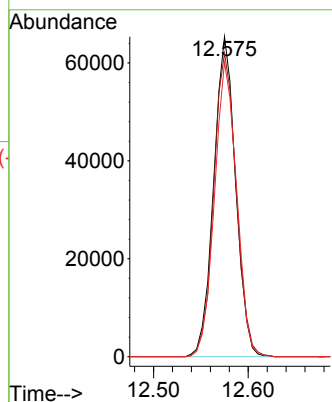
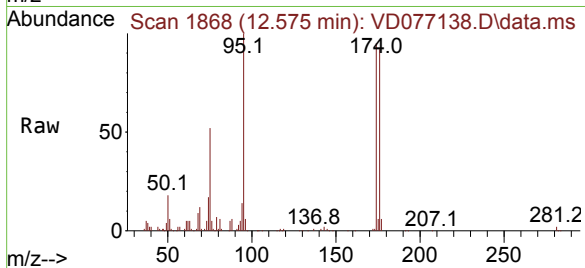




#62
4-Bromofluorobenzene
Concen: 50.511 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077138.D
Acq: 18 Sep 2023 19:08

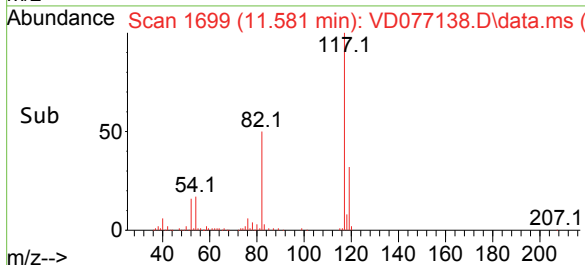
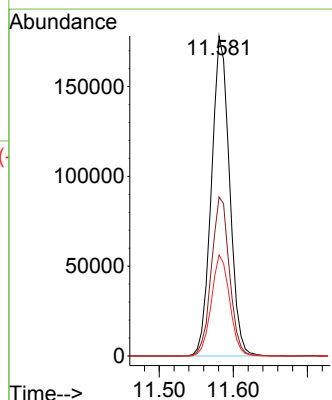
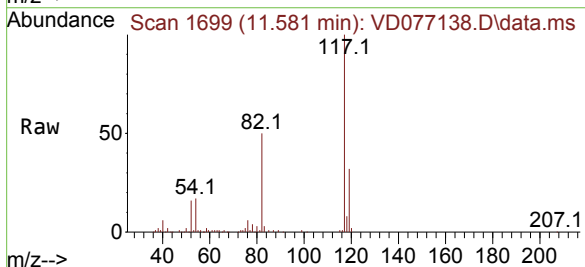
Instrument :
MSVOA_D
ClientSampleId :

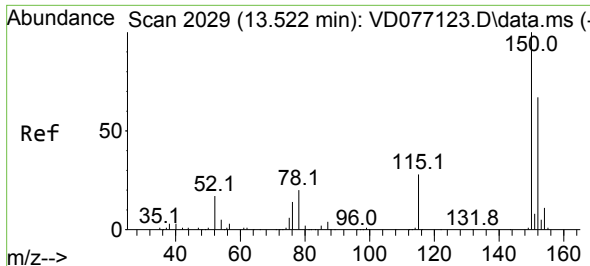
Tgt Ion: 95 Resp: 104965
Ion Ratio Lower Upper
95 100
174 97.2 0.0 201.8
176 93.3 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077138.D
Acq: 18 Sep 2023 19:08

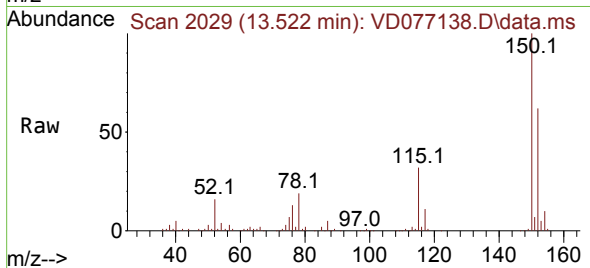
Tgt Ion: 117 Resp: 301741
Ion Ratio Lower Upper
117 100
82 49.7 38.3 57.5
119 31.6 25.0 37.4



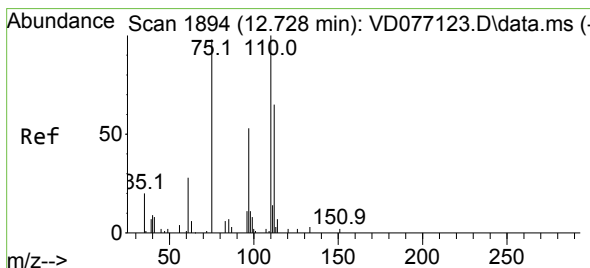
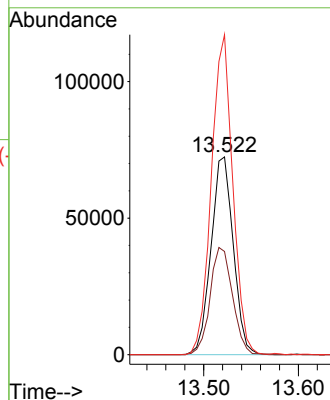
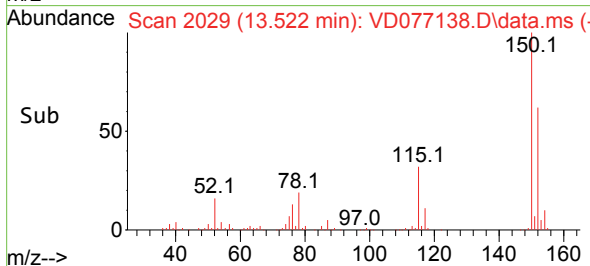


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. 0.000 min
Lab File: VD077138.D
Acq: 18 Sep 2023 19:08

Instrument :
MSVOA_D
ClientSampleId :

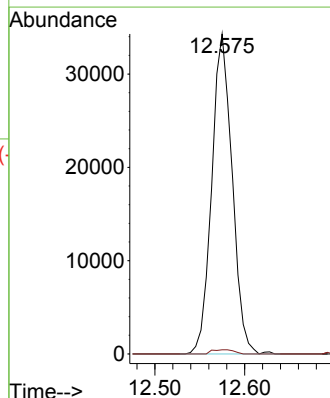
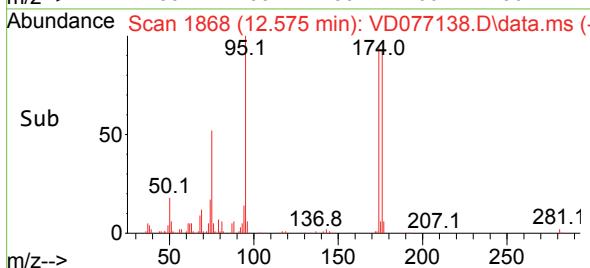
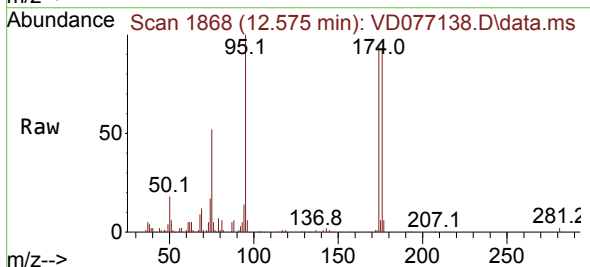


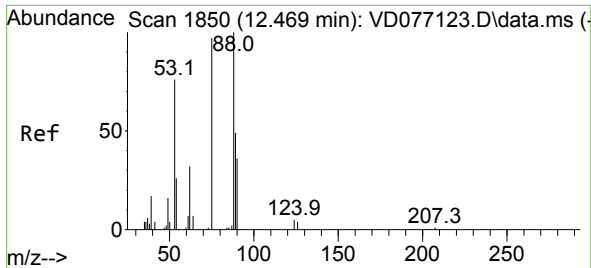
Tgt Ion:152 Resp: 118096
Ion Ratio Lower Upper
152 100
115 54.7 27.1 81.3
150 155.5 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 57.543 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077138.D
Acq: 18 Sep 2023 19:08

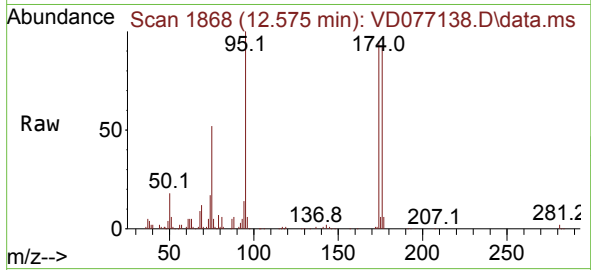
Tgt Ion: 75 Resp: 54207
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.918 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077138.D
 Acq: 18 Sep 2023 19:08

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	54207
Ion	Ratio	Lower	Upper
75	100		
53	0.4	63.0	94.4#
89	0.0	37.9	56.9#

