

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102323\
 Data File : VD077384.D
 Acq On : 23 Oct 2023 16:36
 Operator : JC/SY
 Sample : 05001-03RE
 Misc : 8.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 23 23:41:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

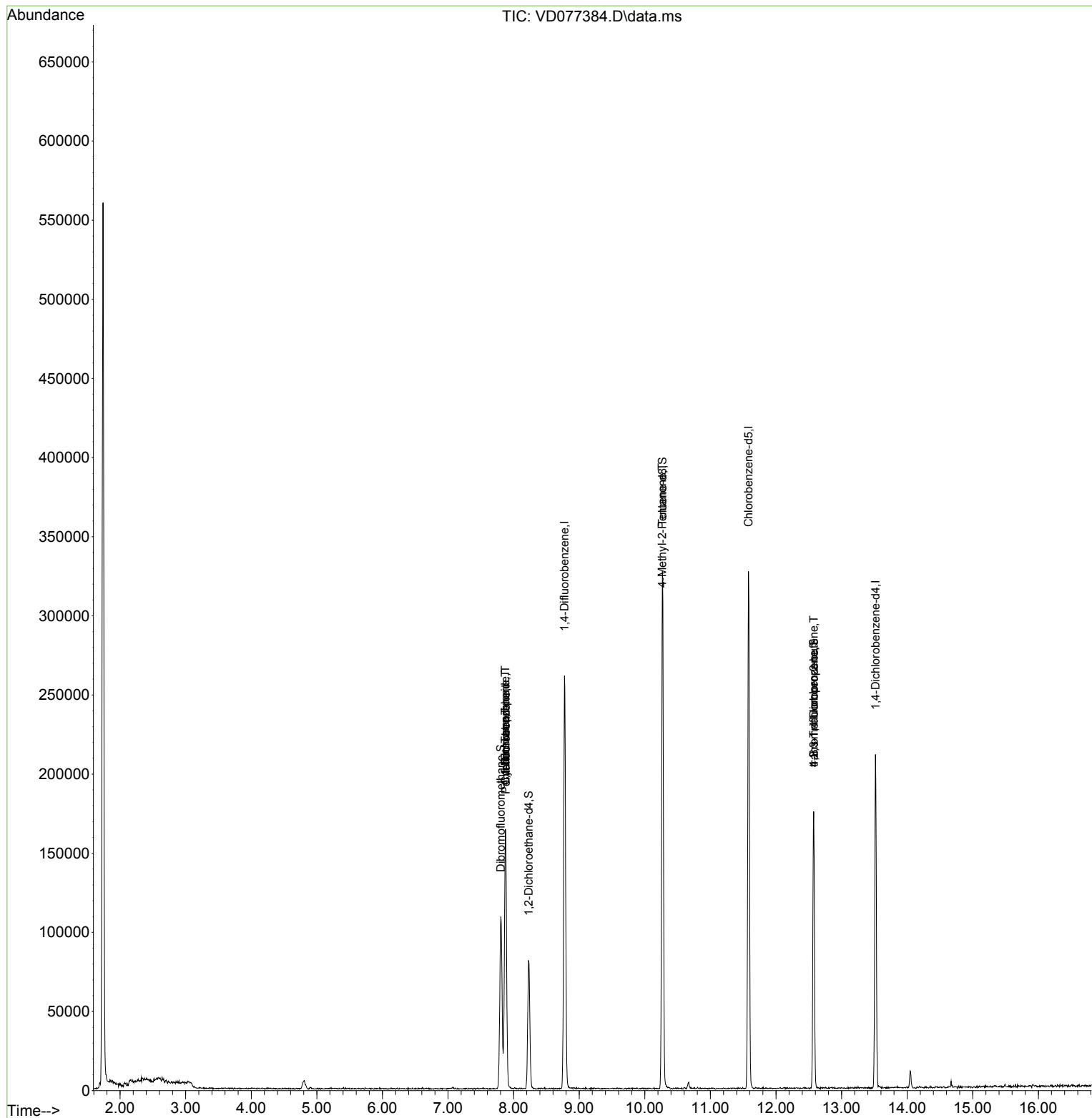
Internal Standards						
1) Pentafluorobenzene	7.881	168	130975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	247766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	206119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	60644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	62172	53.160	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.320%	
35) Dibromofluoromethane	7.805	113	81691	46.931	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.860%	
50) Toluene-d8	10.269	98	242223	38.856	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 77.720%	
62) 4-Bromofluorobenzene	12.575	95	51594	28.752	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 57.500%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.811	84	4491	Below Cal		91
31) Cyclohexane	7.875	56	2677	1.471 ug/l	#	45
36) 1,1-Dichloropropene	7.875	75	10180	4.451 ug/l	#	46
38) Carbon Tetrachloride	7.875	117	12607	4.955 ug/l	#	18
51) 4-Methyl-2-Pentanone	10.263	43	769	1.186 ug/l	#	1
76) 1,2,3-Trichloropropane	12.575	75	26778	33.483 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.575	75	26778	118.318 ug/l	#	18

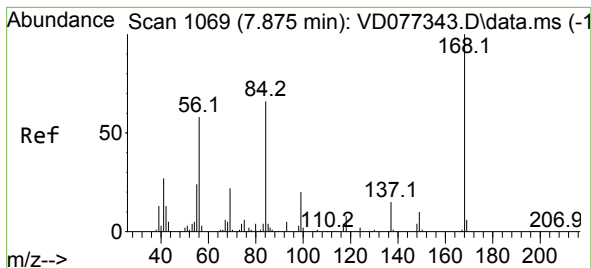
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077384.D

Acq: 23 Oct 2023 16:36

Instrument :

MSVOA_D

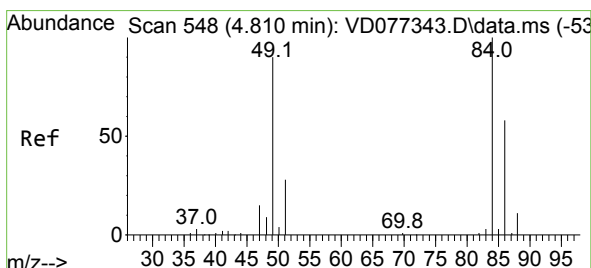
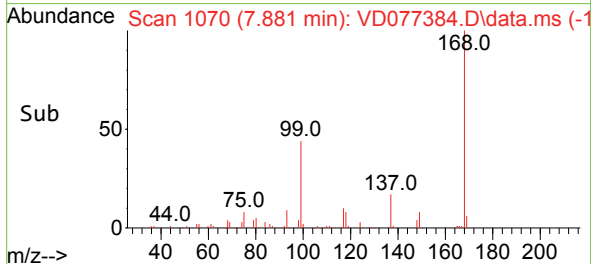
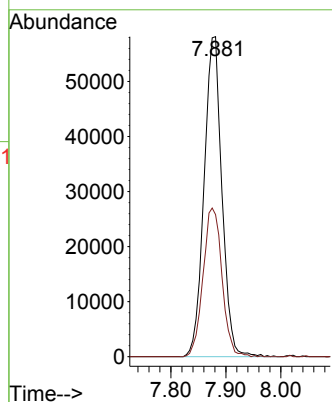
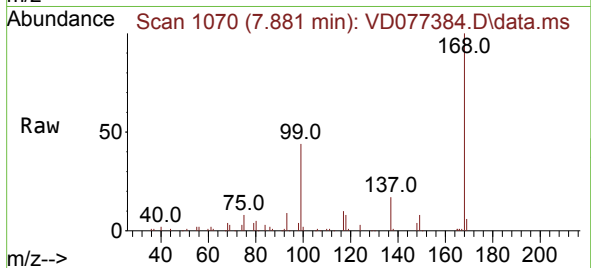
ClientSampleId :

Tgt Ion:168 Resp: 130975

Ion Ratio Lower Upper

168 100

99 44.4 36.7 55.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.811 min Scan# 548

Delta R.T. 0.001 min

Lab File: VD077384.D

Acq: 23 Oct 2023 16:36

Tgt Ion: 84 Resp: 4491

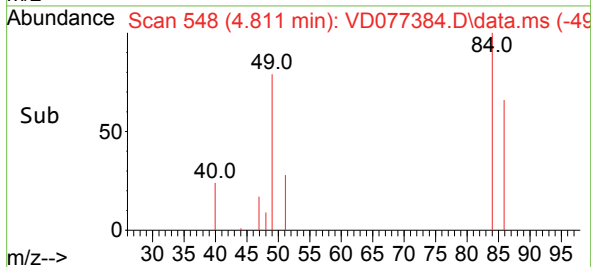
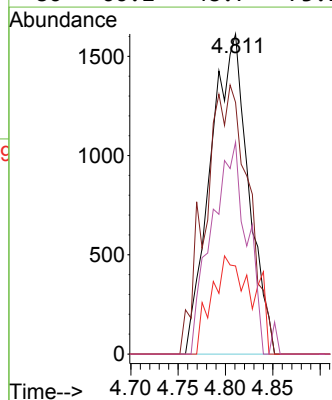
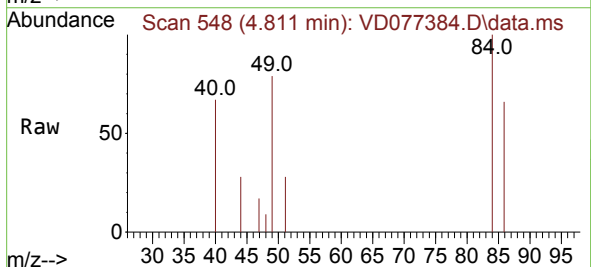
Ion Ratio Lower Upper

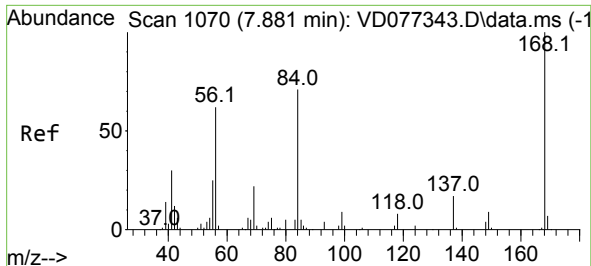
84 100

49 78.6 71.4 107.2

51 27.5 24.5 36.7

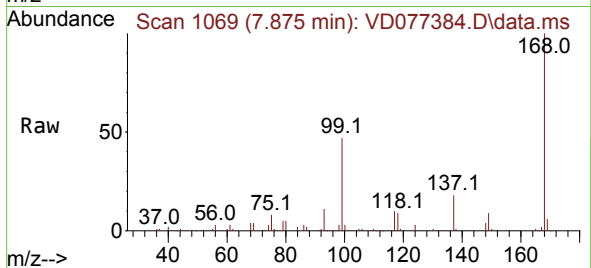
86 66.2 48.7 73.1



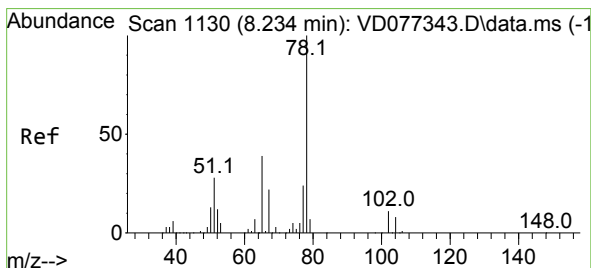
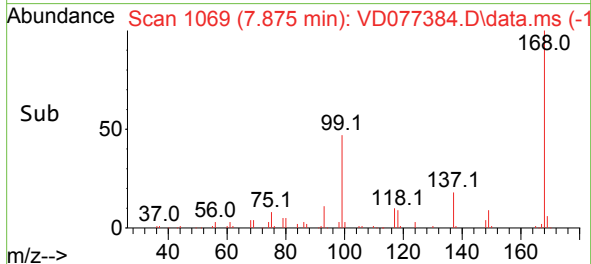
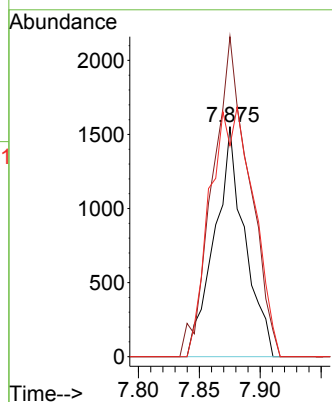


#31
Cyclohexane
Concen: 1.471 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD077384.D
Acq: 23 Oct 2023 16:36

Instrument :
MSVOA_D
ClientSampleId :

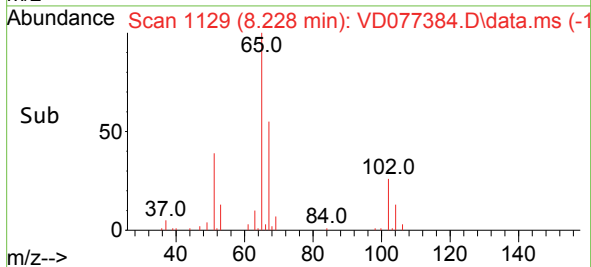
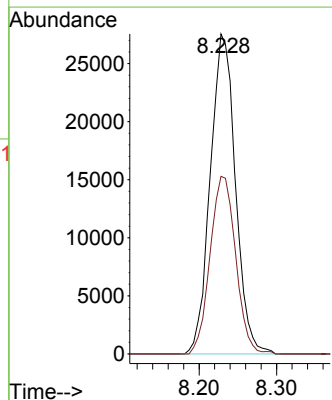
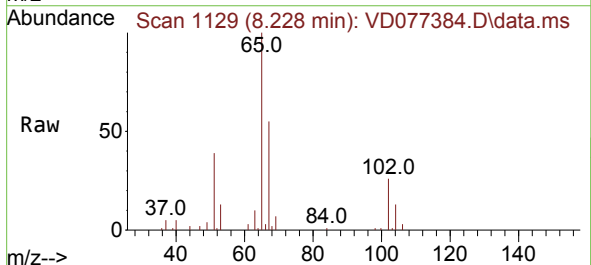


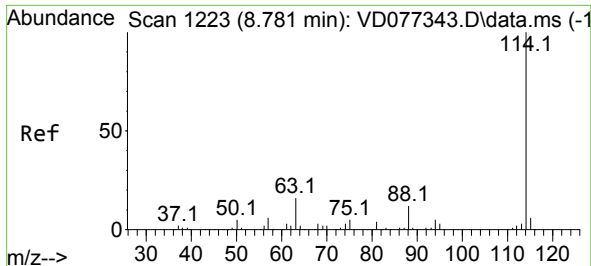
Tgt Ion: 56 Resp: 2677
Ion Ratio Lower Upper
56 100
69 139.1 28.6 43.0#
84 91.6 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 53.160 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD077384.D
Acq: 23 Oct 2023 16:36

Tgt Ion: 65 Resp: 62172
Ion Ratio Lower Upper
65 100
67 56.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD077384.D

Acq: 23 Oct 2023 16:36

Instrument :

MSVOA_D

ClientSampleId :

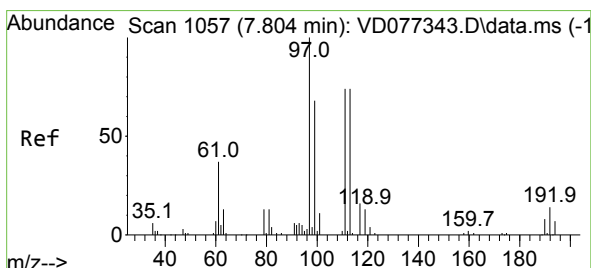
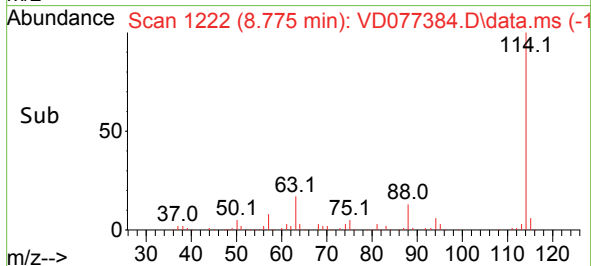
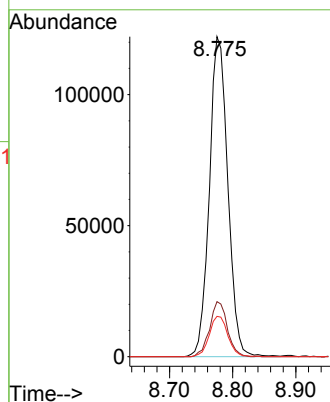
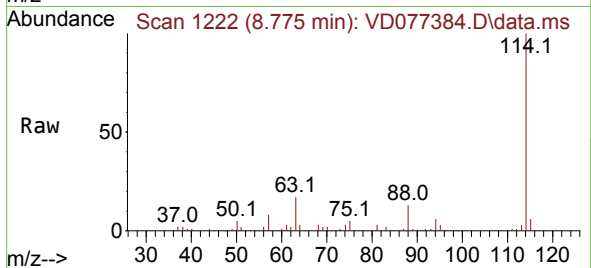
Tgt Ion:114 Resp: 247766

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.4

88 12.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.931 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077384.D

Acq: 23 Oct 2023 16:36

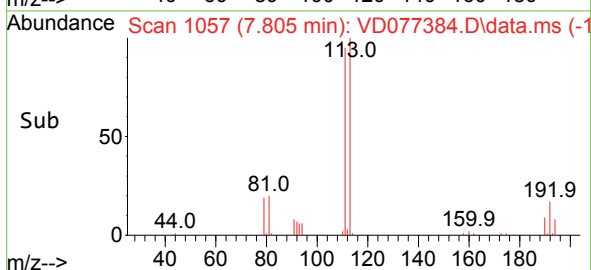
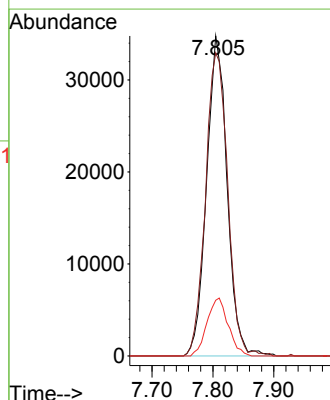
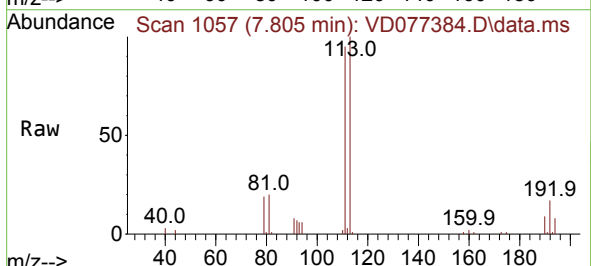
Tgt Ion:113 Resp: 81691

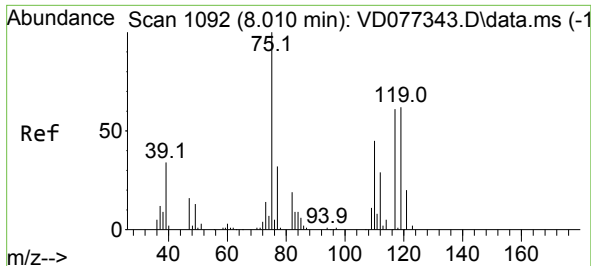
Ion Ratio Lower Upper

113 100

111 102.1 84.7 127.1

192 18.6 16.8 25.2

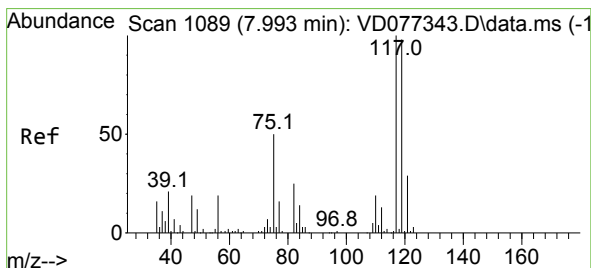
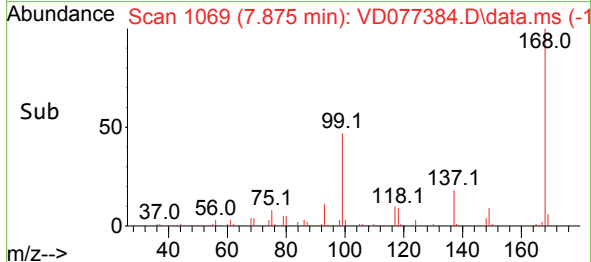
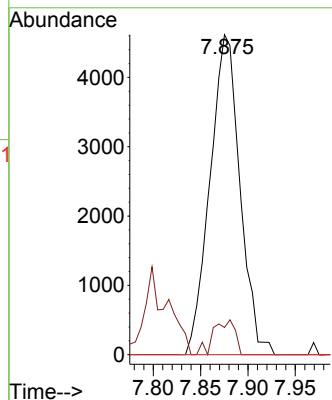
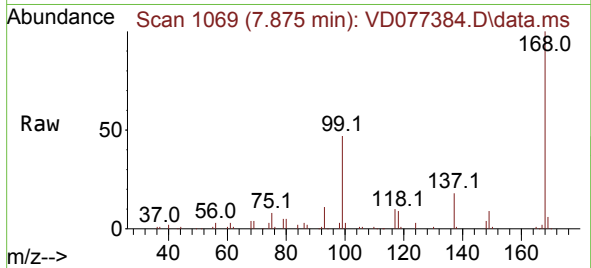




#36
 1,1-Dichloropropene
 Concen: 4.451 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.135 min
 Lab File: VD077384.D
 Acq: 23 Oct 2023 16:36

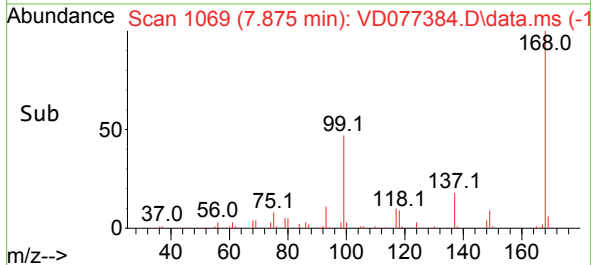
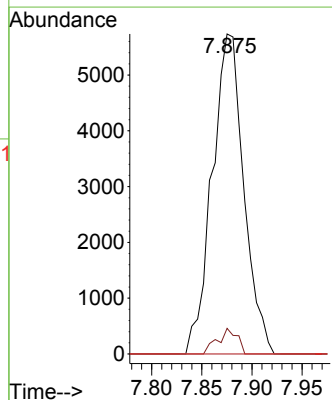
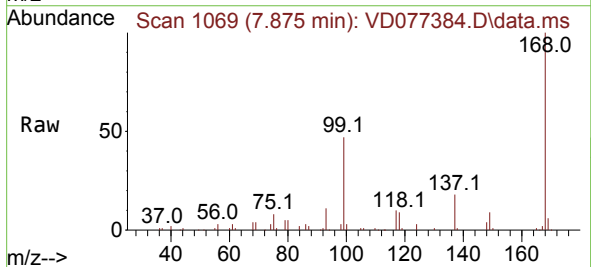
Instrument :
 MSVOA_D
 ClientSampleId :

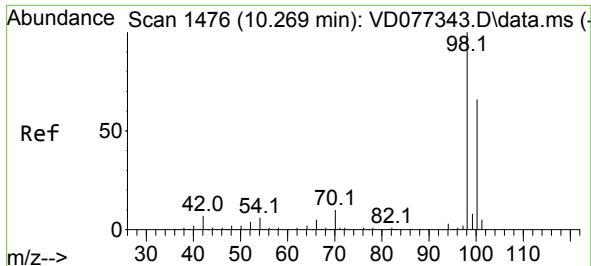
Tgt Ion: 75 Resp: 10180
 Ion Ratio Lower Upper
 75 100
 110 7.8 19.9 59.6#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 4.955 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.118 min
 Lab File: VD077384.D
 Acq: 23 Oct 2023 16:36

Tgt Ion: 117 Resp: 12607
 Ion Ratio Lower Upper
 117 100
 119 8.0 78.0 117.0#
 121 0.0 24.2 36.2#

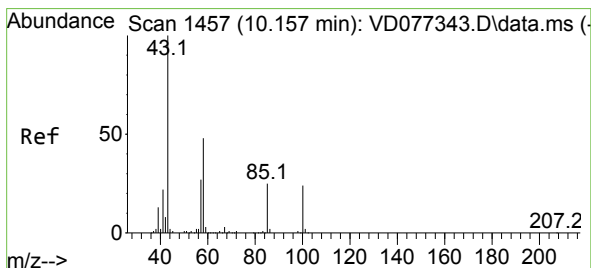
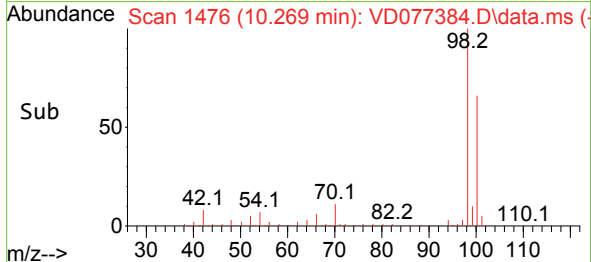
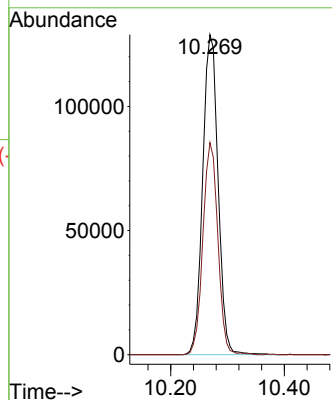
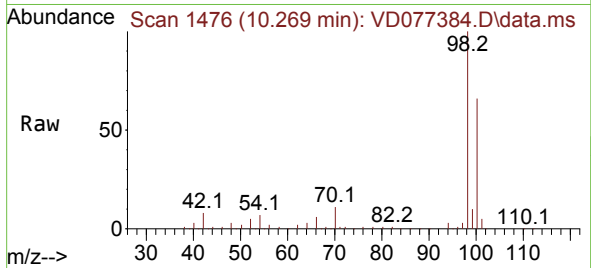




#50
Toluene-d8
Concen: 38.856 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077384.D
Acq: 23 Oct 2023 16:36

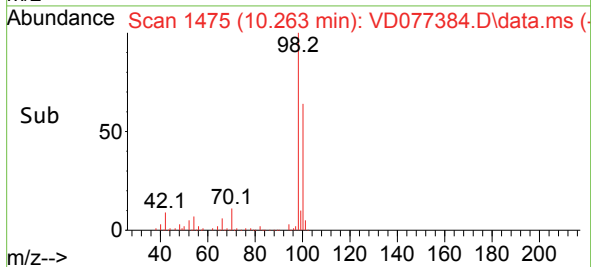
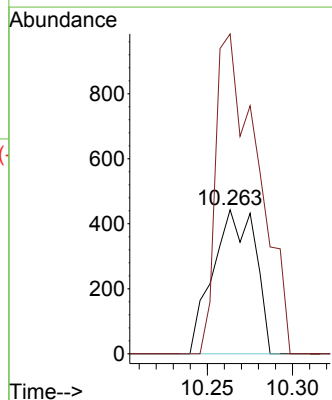
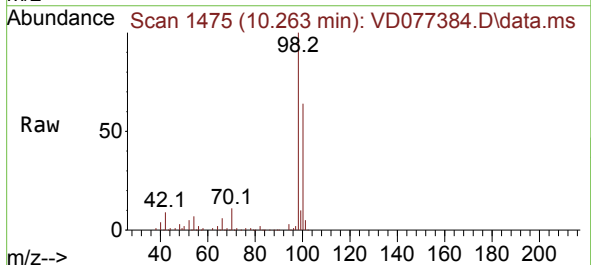
Instrument :
MSVOA_D
ClientSampleId :

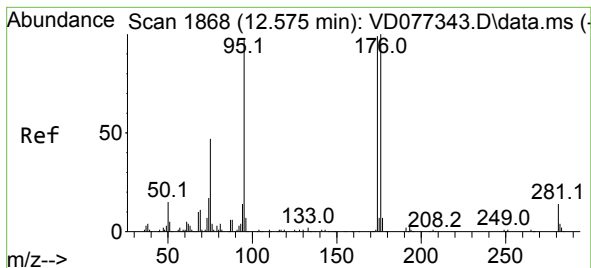
Tgt Ion: 98 Resp: 242223
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.186 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD077384.D
Acq: 23 Oct 2023 16:36

Tgt Ion: 43 Resp: 769
Ion Ratio Lower Upper
43 100
58 216.8 38.9 58.3#

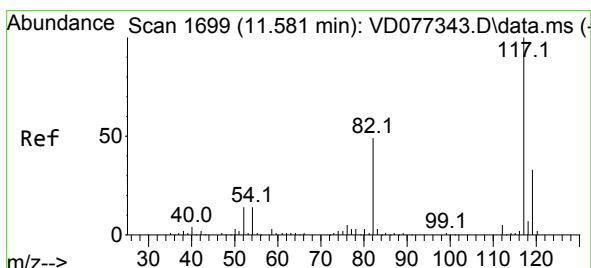
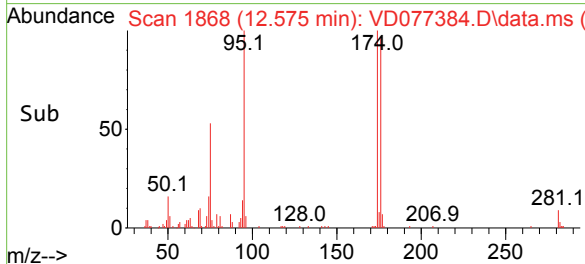
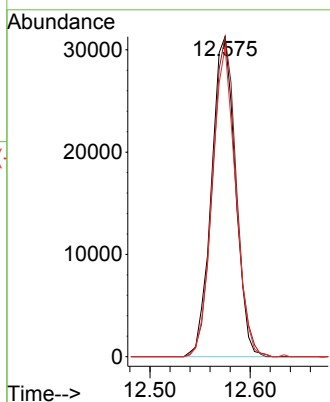
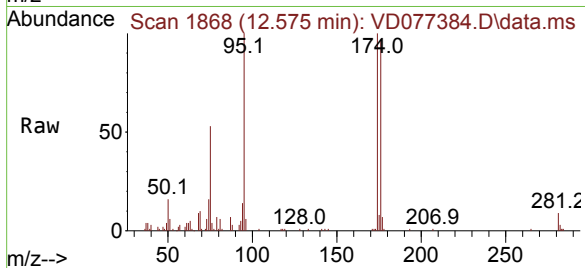




#62
4-Bromofluorobenzene
Concen: 28.752 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077384.D
Acq: 23 Oct 2023 16:36

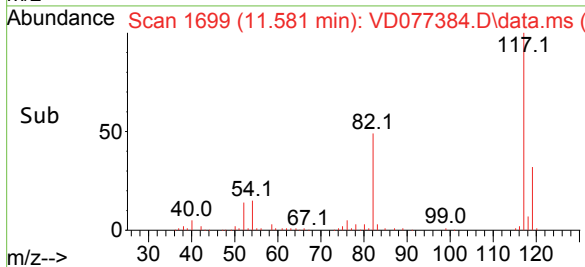
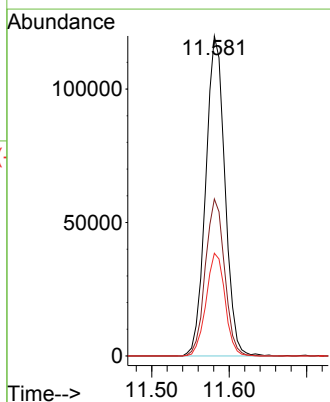
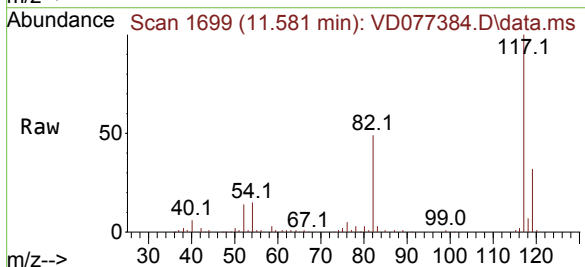
Instrument :
MSVOA_D
ClientSampleId :

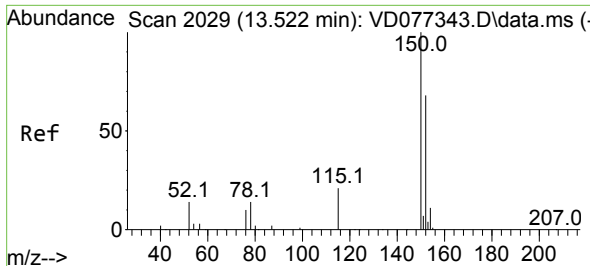
Tgt Ion:	95	Resp:	51594
Ion	Ratio	Lower	Upper
95	100		
174	99.4	0.0	201.8
176	94.8	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077384.D
Acq: 23 Oct 2023 16:36

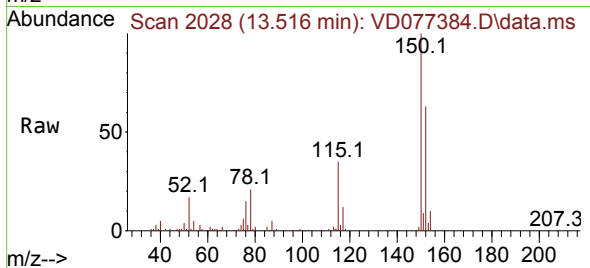
Tgt Ion:	117	Resp:	206119
Ion	Ratio	Lower	Upper
117	100		
82	49.0	38.3	57.5
119	32.1	25.0	37.4



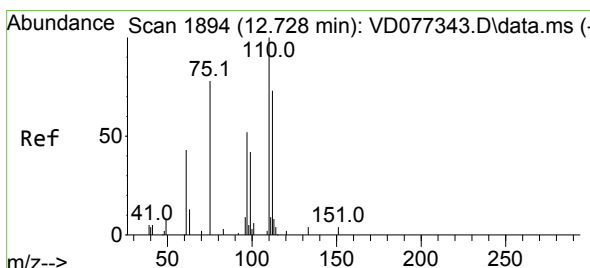
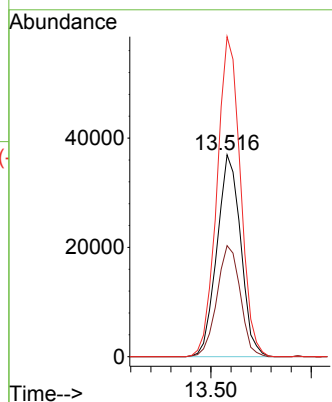
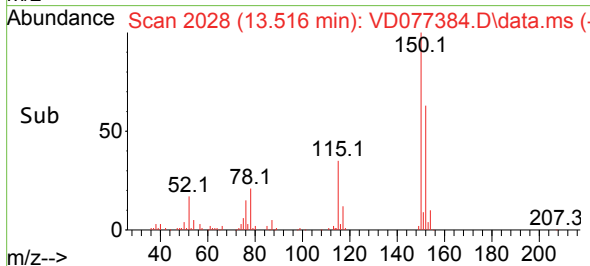


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD077384.D
 Acq: 23 Oct 2023 16:36

Instrument :
 MSVOA_D
 ClientSampleId :

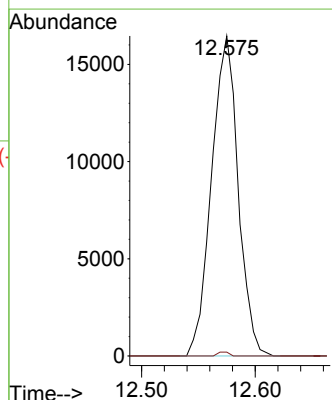
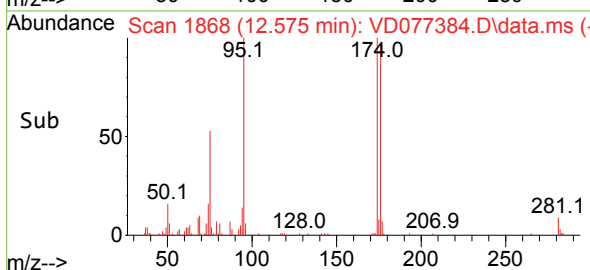
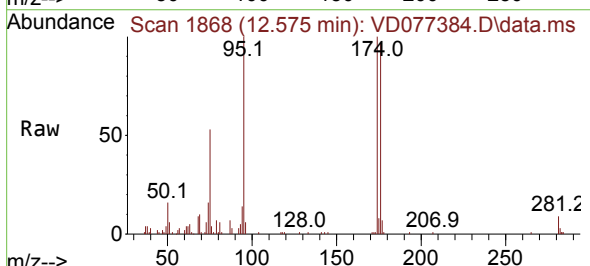


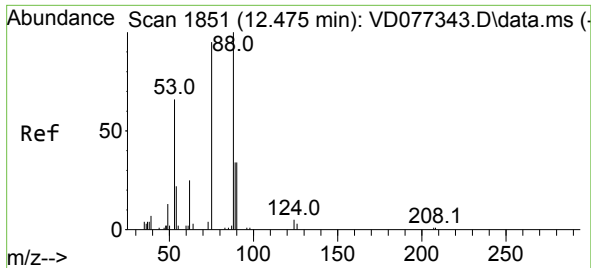
Tgt Ion:152 Resp: 60644
 Ion Ratio Lower Upper
 152 100
 115 54.0 27.1 81.3
 150 156.5 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 33.483 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077384.D
 Acq: 23 Oct 2023 16:36

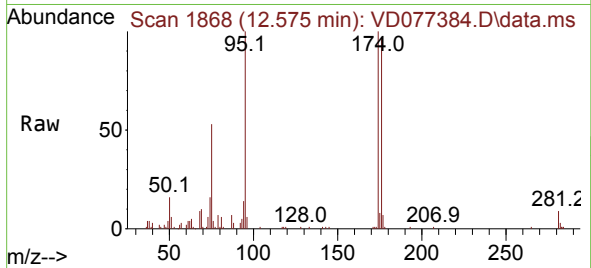
Tgt Ion: 75 Resp: 26778
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.318 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD077384.D
 Acq: 23 Oct 2023 16:36

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	26778
Ion	Ratio	Lower	Upper
75	100		
53	0.5	63.0	94.4#
89	0.6	37.9	56.9#

