

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092823\
 Data File : VD077234.D
 Acq On : 28 Sep 2023 17:23
 Operator : JC/SY
 Sample : 04668-07
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 29 02:20:24 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)

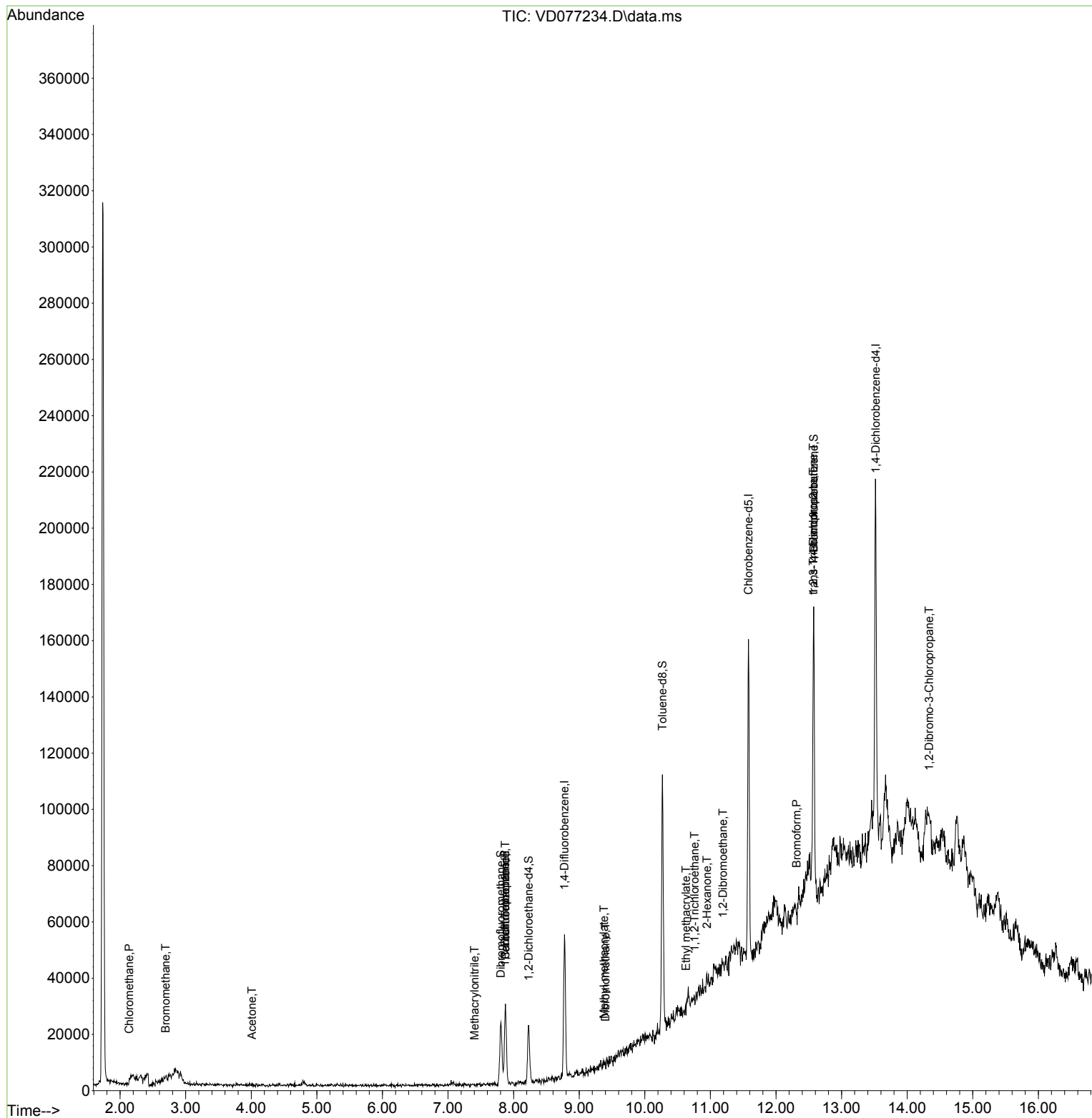
Internal Standards						
1) Pentafluorobenzene	7.875	168	21376	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	45870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	69550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	35880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	15486	71.784	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.560%	
35) Dibromofluoromethane	7.805	113	16024	50.293	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.580%	
50) Toluene-d8	10.269	98	63554	56.041	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.080%	
62) 4-Bromofluorobenzene	12.575	95	34584	98.391	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 196.780%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	563	1.379	ug/l	# 41
5) Bromomethane	2.693	94	614	1.930	ug/l	# 50
16) Acetone	4.011	43	123	2.495	ug/l	# 32
20) Methylene Chloride	4.793	84	687	Below Cal	#	37
36) 1,1-Dichloropropene	7.869	75	1828	3.810	ug/l	# 50
38) Carbon Tetrachloride	7.875	117	2290	4.856	ug/l	# 11
41) Methacrylonitrile	7.405	41	107	1.089	ug/l	# 17
46) Dibromomethane	9.399	93	364	1.737	ug/l	# 43
48) Methyl methacrylate	9.375	41	333	2.162	ug/l	# 20
55) 1,1,2-Trichloroethane	10.757	97	327	1.147	ug/l	# 16
56) Ethyl methacrylate	10.628	69	348	1.137	ug/l	# 1
59) 2-Hexanone	10.946	43	1166	9.167	ug/l	# 16
61) 1,2-Dibromoethane	11.193	107	801	2.907	ug/l	# 69
71) Bromoform	12.316	173	357	1.076	ug/l	# 16
76) 1,2,3-Trichloropropane	12.569	75	15677	54.775	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	15677	103.679	ug/l	# 25
92) 1,2-Dibromo-3-Chloropr...	14.334	75	120	1.796	ug/l	# 1

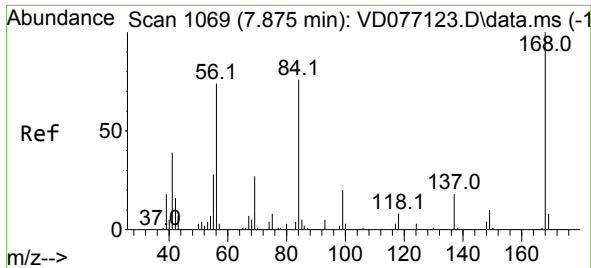
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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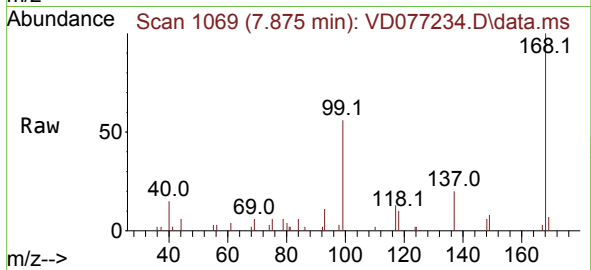
Quant Time: Sep 29 02:20:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 19 04:46:37 2023
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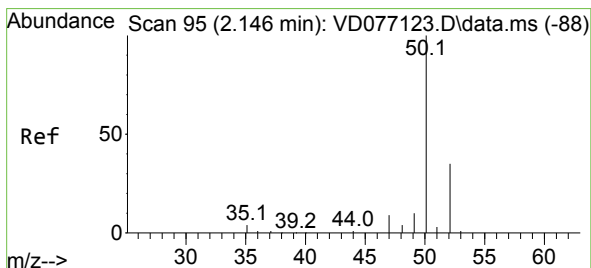
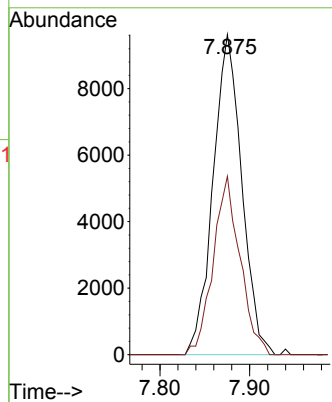
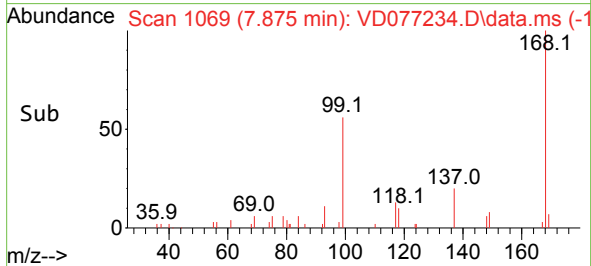


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077234.D
Acq: 28 Sep 2023 17:23

Instrument :
MSVOA_D
ClientSampleId :

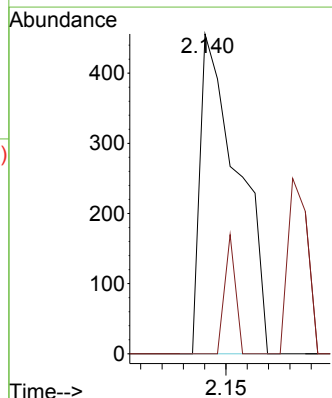
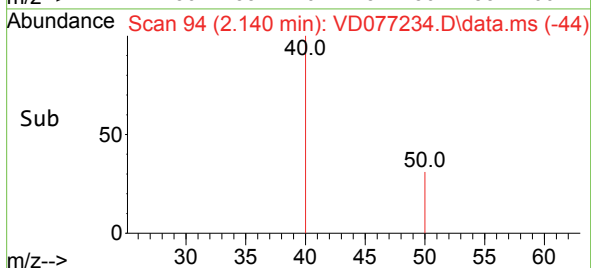
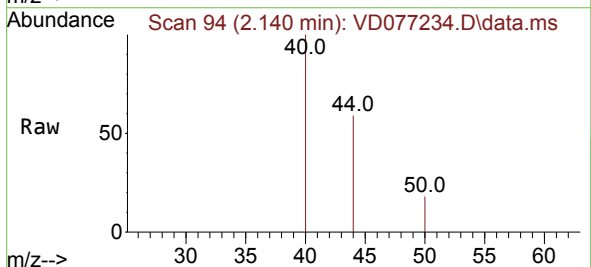


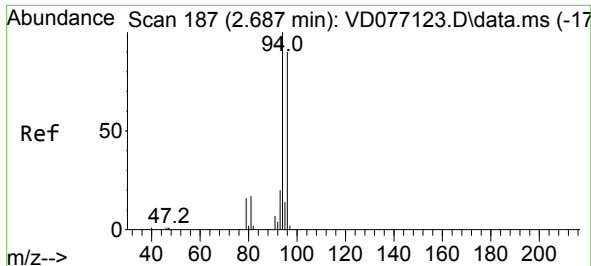
Tgt Ion:168 Resp: 21376
Ion Ratio Lower Upper
168 100
99 55.8 36.7 55.1#



#3
Chloromethane
Concen: 1.379 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD077234.D
Acq: 28 Sep 2023 17:23

Tgt Ion: 50 Resp: 563
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

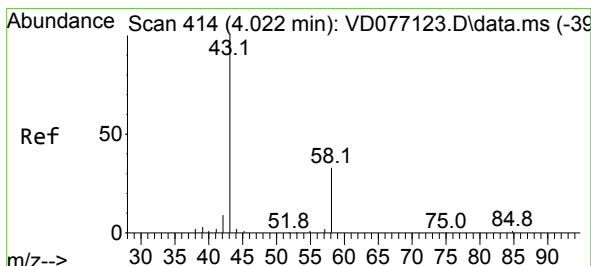
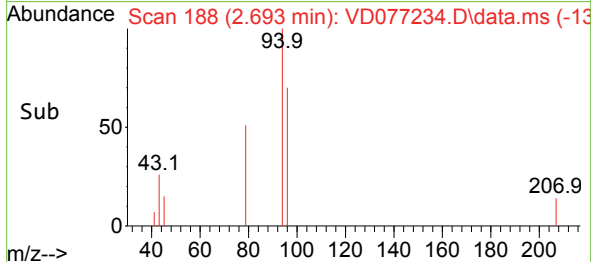
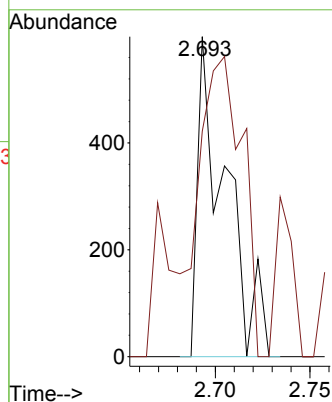
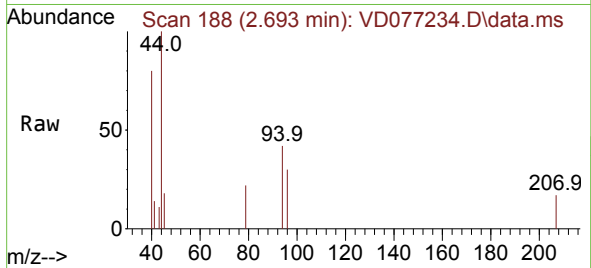




#5
Bromomethane
Concen: 1.930 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077234.D
Acq: 28 Sep 2023 17:23

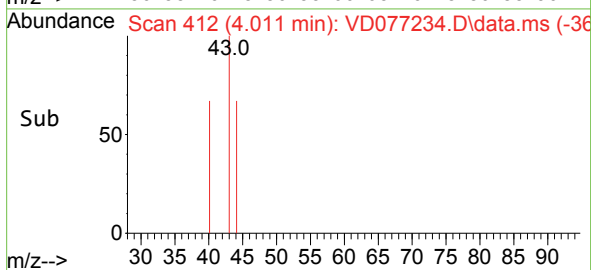
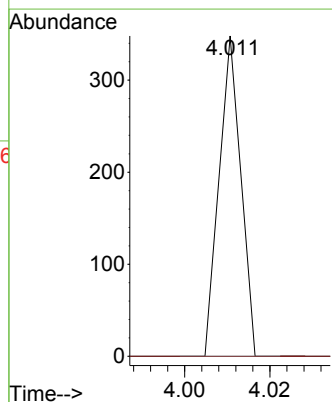
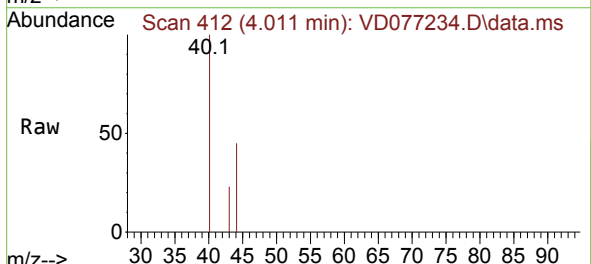
Instrument :
MSVOA_D
ClientSampleId :

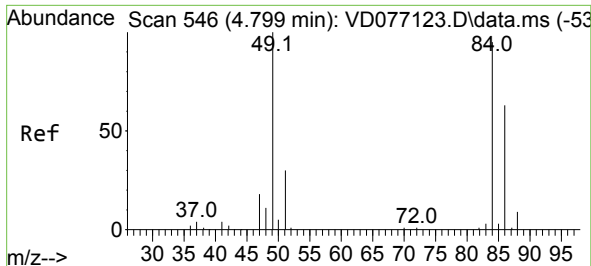
Tgt Ion: 94 Resp: 614
Ion Ratio Lower Upper
94 100
96 143.6 75.8 113.8#



#16
Acetone
Concen: 2.495 ug/l
RT: 4.011 min Scan# 412
Delta R.T. -0.012 min
Lab File: VD077234.D
Acq: 28 Sep 2023 17:23

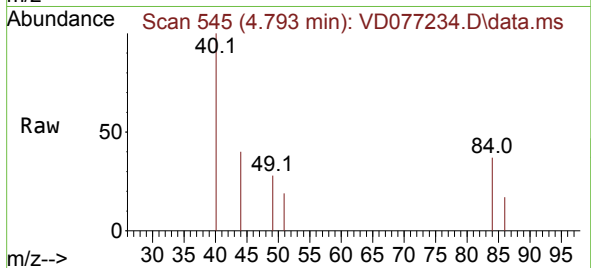
Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



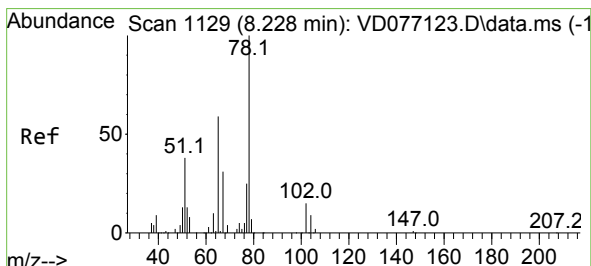
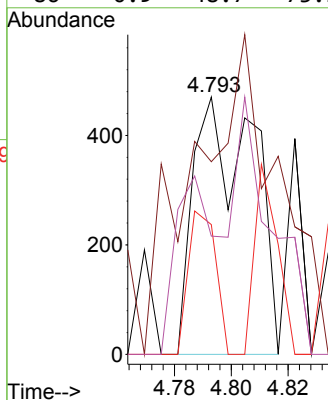
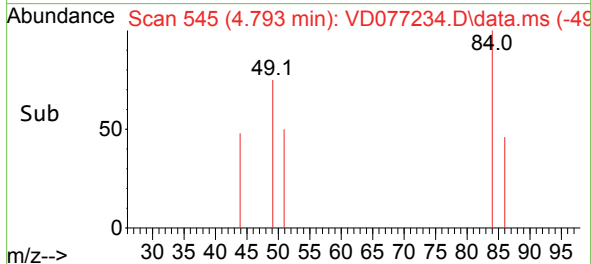


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077234.D
Acq: 28 Sep 2023 17:23

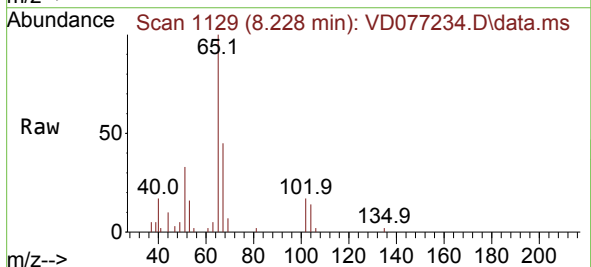
Instrument :
MSVOA_D
ClientSampleId :



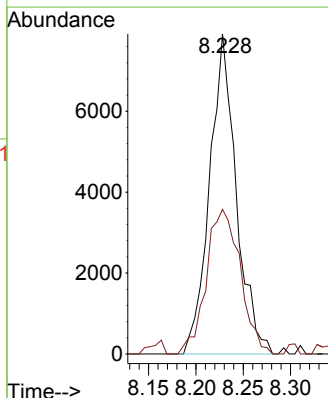
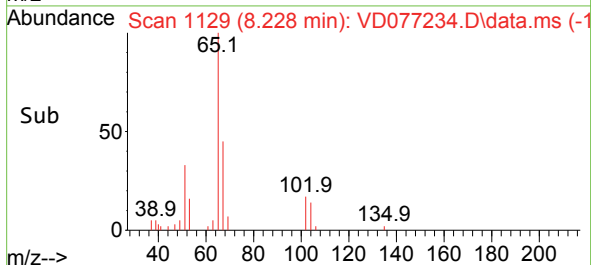
Tgt Ion: 84 Resp: 687
Ion Ratio Lower Upper
84 100
49 31.1 71.4 107.2#
51 50.4 24.5 36.7#
86 0.9 48.7 73.1#

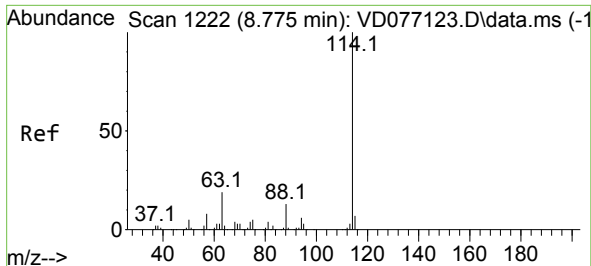


#33
1,2-Dichloroethane-d4
Concen: 71.784 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077234.D
Acq: 28 Sep 2023 17:23



Tgt Ion: 65 Resp: 15486
Ion Ratio Lower Upper
65 100
67 57.6 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077234.D

Acq: 28 Sep 2023 17:23

Instrument :

MSVOA_D

ClientSampleId :

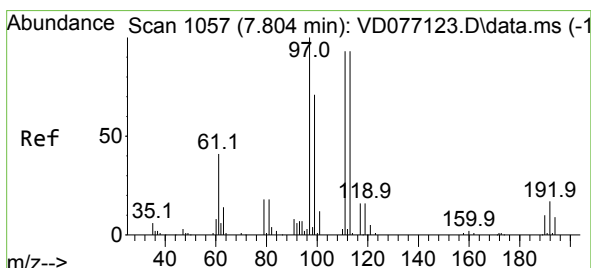
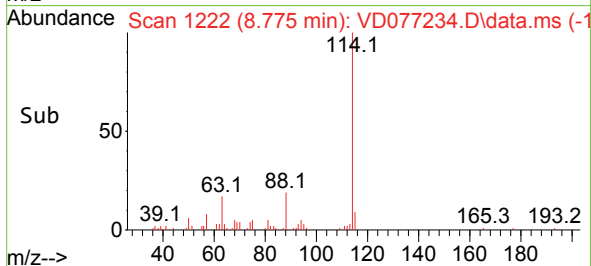
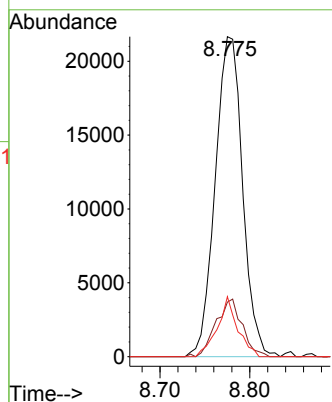
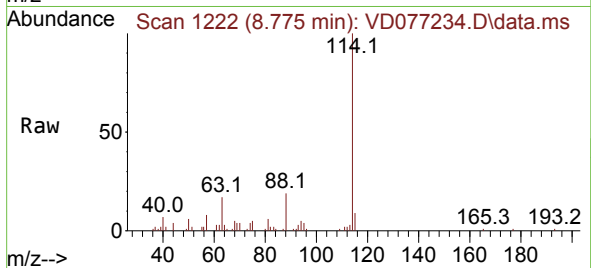
Tgt Ion:114 Resp: 45870

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.4

88 18.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 50.293 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077234.D

Acq: 28 Sep 2023 17:23

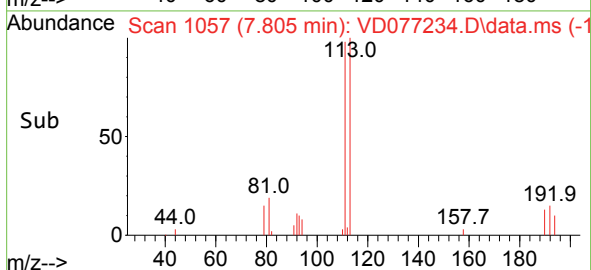
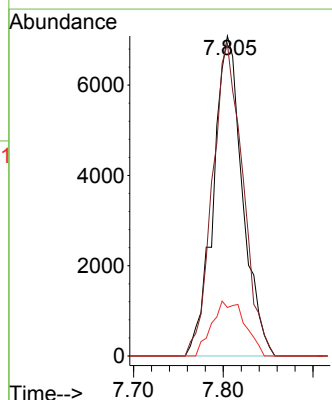
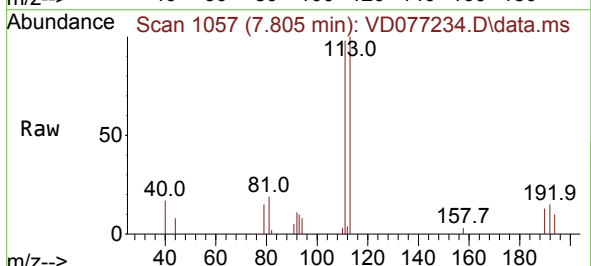
Tgt Ion:113 Resp: 16024

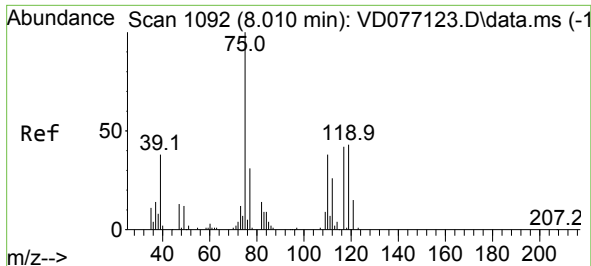
Ion Ratio Lower Upper

113 100

111 101.7 84.7 127.1

192 19.4 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.810 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

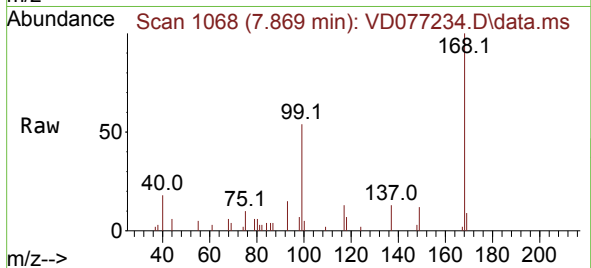
Lab File: VD077234.D

Acq: 28 Sep 2023 17:23

Instrument :

MSVOA_D

ClientSampleId :



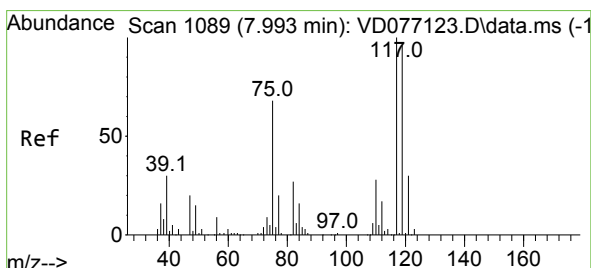
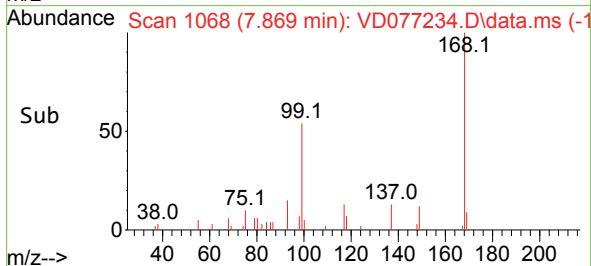
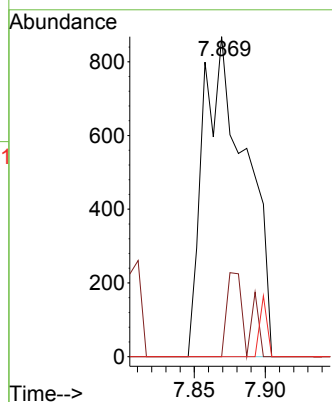
Tgt Ion: 75 Resp: 1828

Ion Ratio Lower Upper

75 100

110 12.1 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.856 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

Lab File: VD077234.D

Acq: 28 Sep 2023 17:23

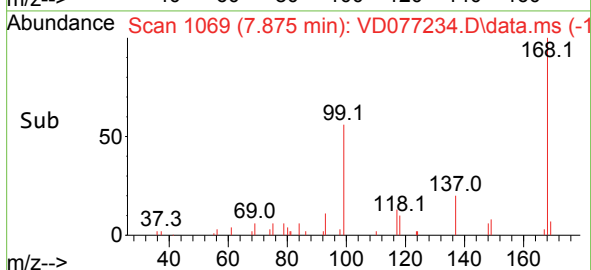
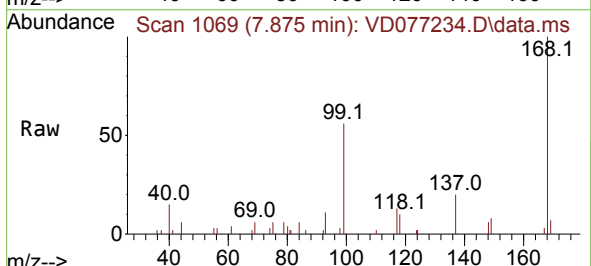
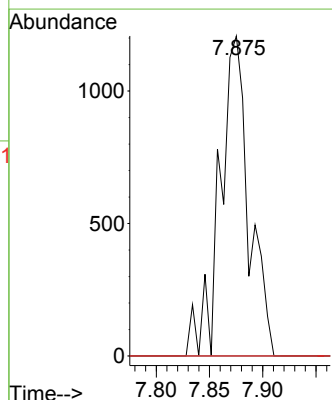
Tgt Ion: 117 Resp: 2290

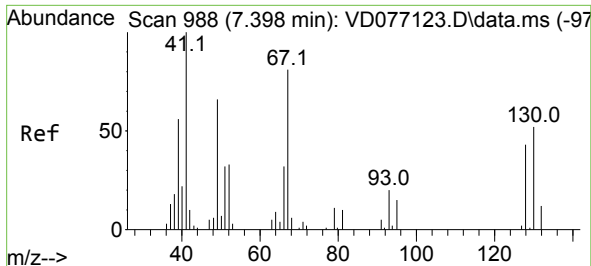
Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#

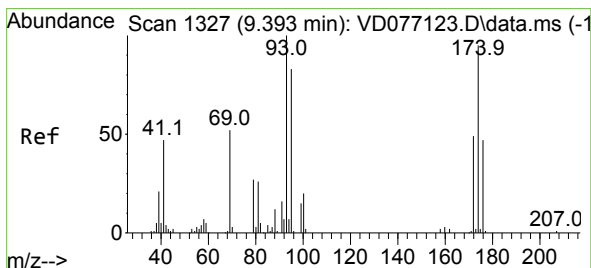
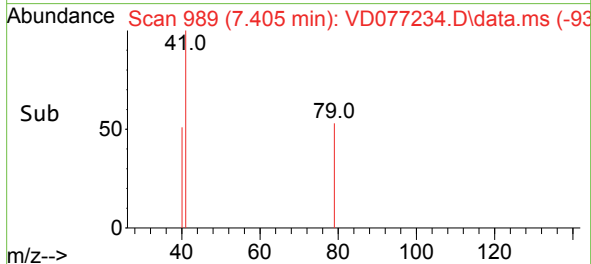
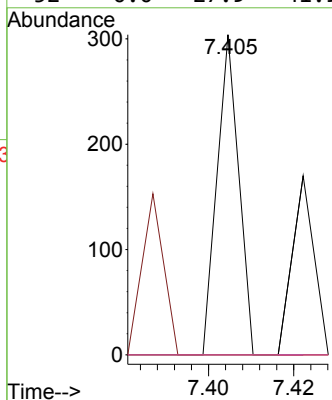
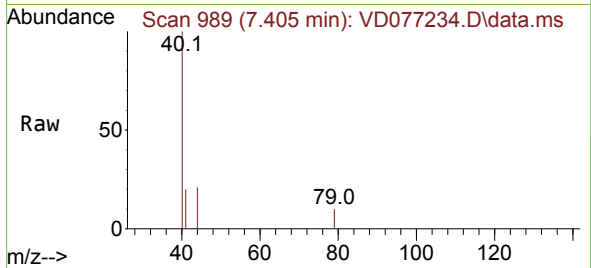




#41
Methacrylonitrile
Concen: 1.089 ug/l
RT: 7.405 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD077234.D
Acq: 28 Sep 2023 17:23

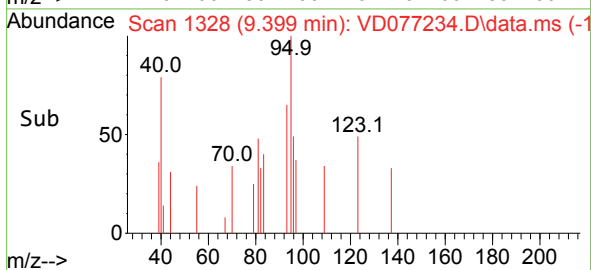
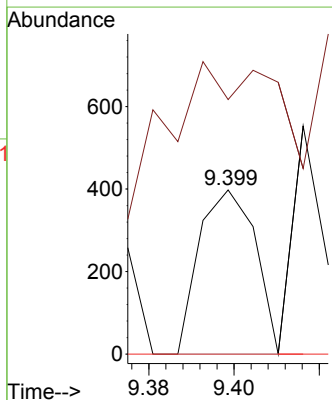
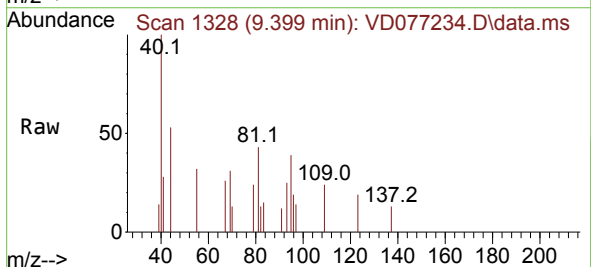
Instrument :
MSVOA_D
ClientSampleId :

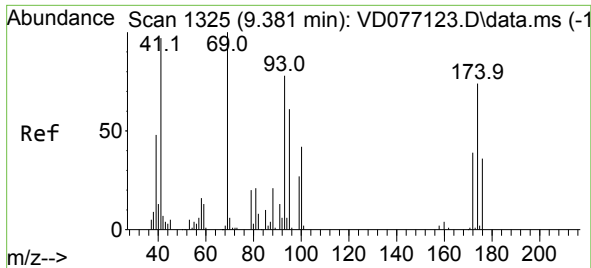
Tgt Ion: 41	Resp:	107
Ion	Ratio	Lower Upper
41	100	
39	0.0	34.0 51.0#
67	0.0	77.0 115.4#
52	0.0	27.9 41.9#



#46
Dibromomethane
Concen: 1.737 ug/l
RT: 9.399 min Scan# 1328
Delta R.T. 0.006 min
Lab File: VD077234.D
Acq: 28 Sep 2023 17:23

Tgt Ion: 93	Resp:	364
Ion	Ratio	Lower Upper
93	100	
95	84.6	67.7 101.5
174	0.0	85.4 128.2#





#48

Methyl methacrylate

Concen: 2.162 ug/l

RT: 9.375 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD077234.D

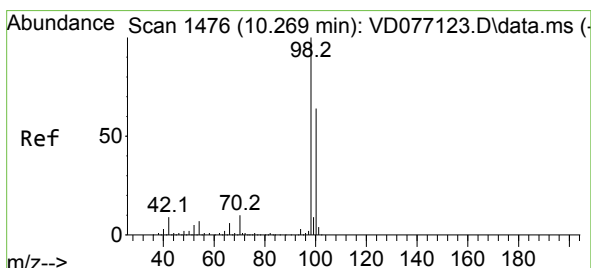
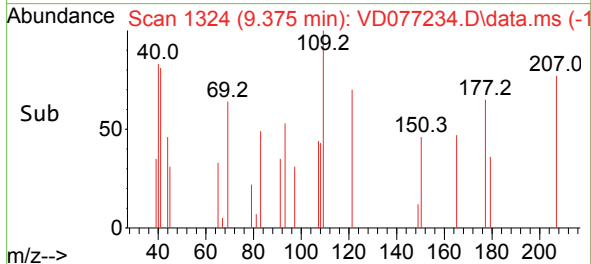
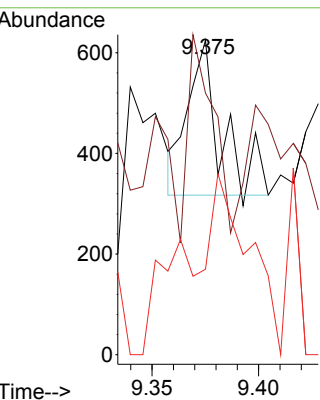
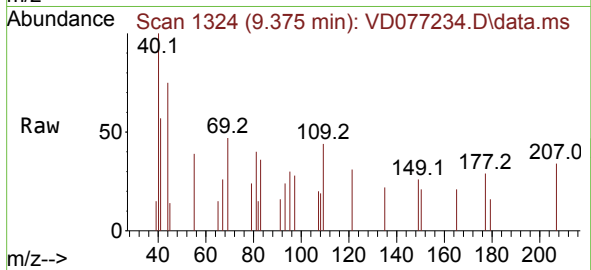
Acq: 28 Sep 2023 17:23

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	41	Resp:	333
Ion	Ratio	Lower	Upper
41	100		
69	113.8	102.2	153.2
39	224.6	41.4	62.2#



#50

Toluene-d8

Concen: 56.041 ug/l

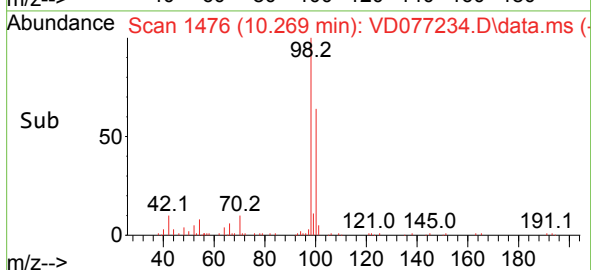
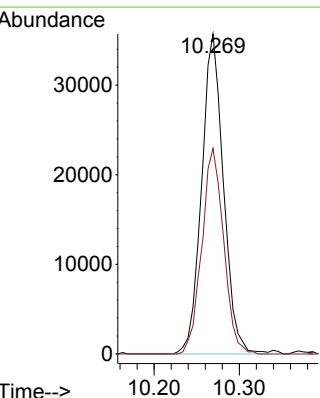
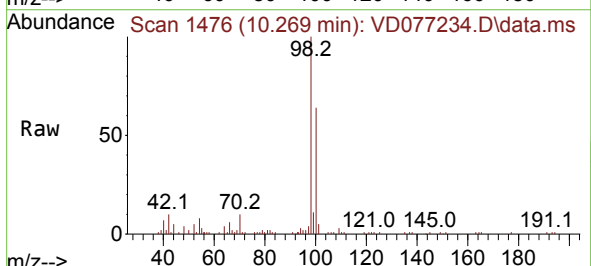
RT: 10.269 min Scan# 1476

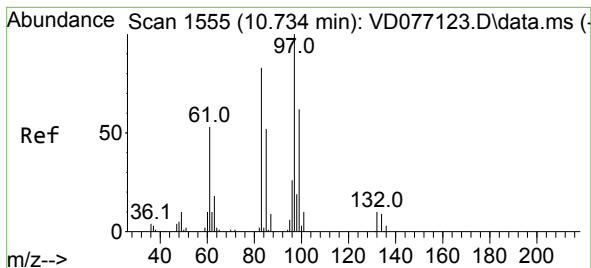
Delta R.T. 0.000 min

Lab File: VD077234.D

Acq: 28 Sep 2023 17:23

Tgt Ion:	98	Resp:	63554
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.3	75.5





#55

1,1,2-Trichloroethane

Concen: 1.147 ug/l

RT: 10.757 min Scan# 1559

Delta R.T. 0.024 min

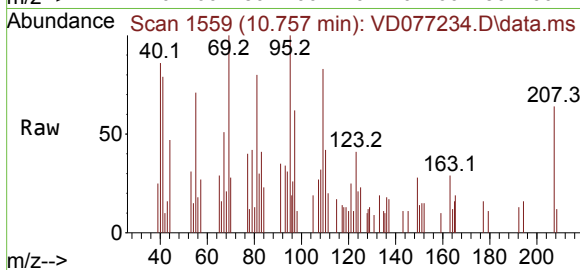
Lab File: VD077234.D

Acq: 28 Sep 2023 17:23

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 97 Resp: 327

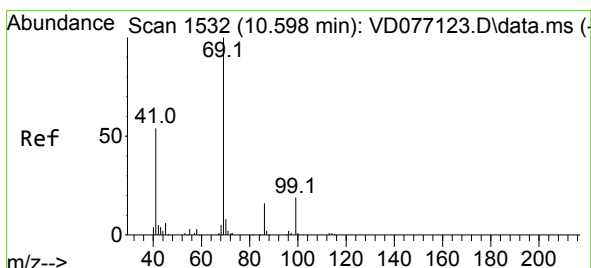
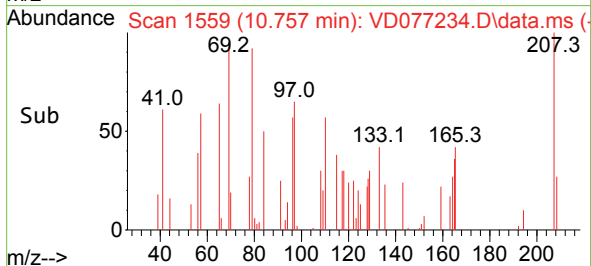
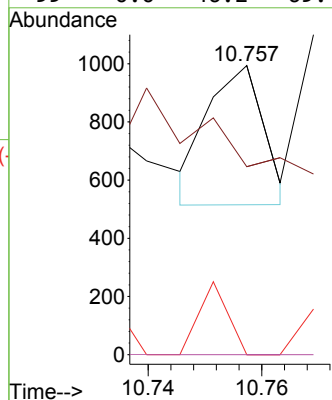
Ion Ratio Lower Upper

97 100

83 0.0 65.8 98.6#

85 0.0 45.7 68.5#

99 0.0 46.2 69.4#



#56

Ethyl methacrylate

Concen: 1.137 ug/l

RT: 10.628 min Scan# 1537

Delta R.T. 0.030 min

Lab File: VD077234.D

Acq: 28 Sep 2023 17:23

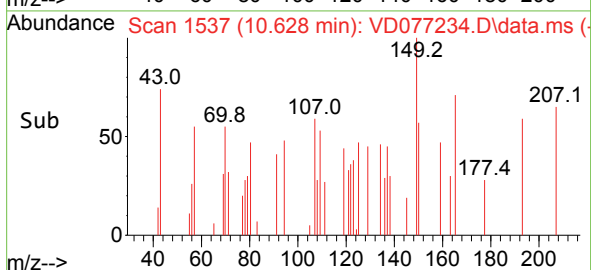
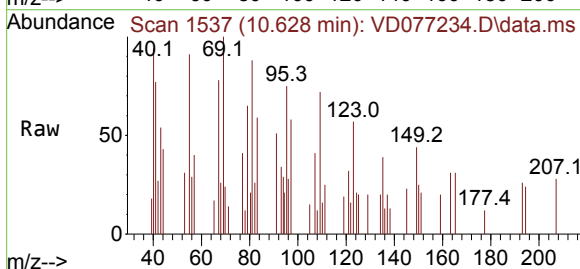
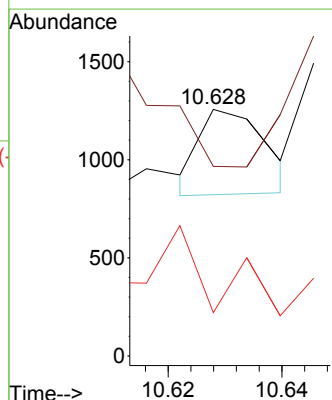
Tgt Ion: 69 Resp: 348

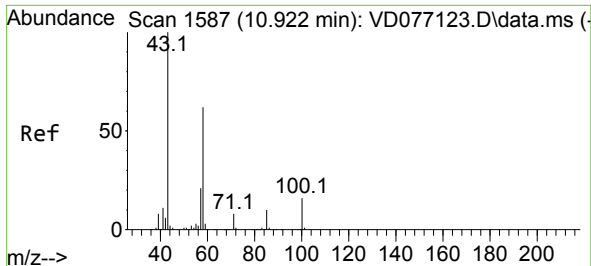
Ion Ratio Lower Upper

69 100

41 139.9 39.1 58.7#

39 83.0 20.0 30.0#

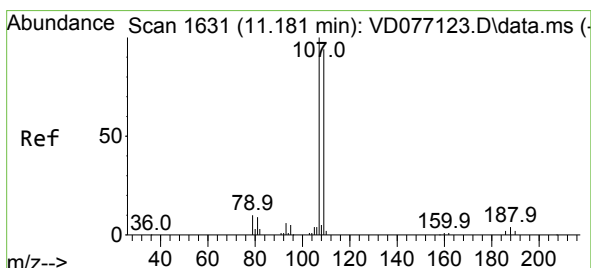
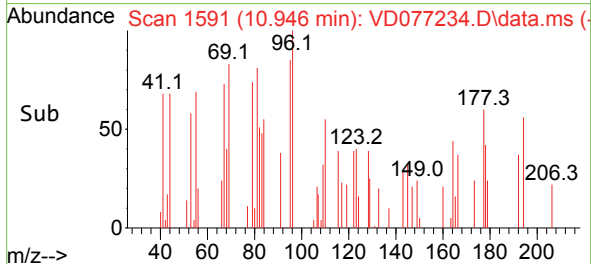
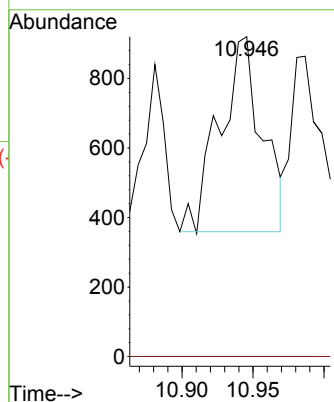
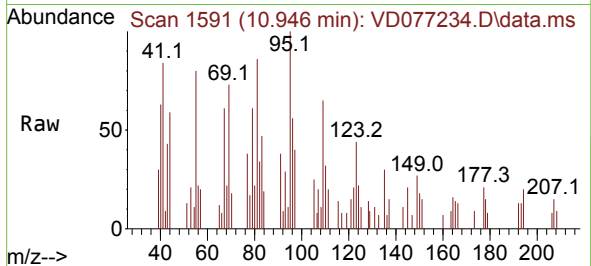




#59
2-Hexanone
Concen: 9.167 ug/l
RT: 10.946 min Scan# 1166
Delta R.T. 0.024 min
Lab File: VD077234.D
Acq: 28 Sep 2023 17:23

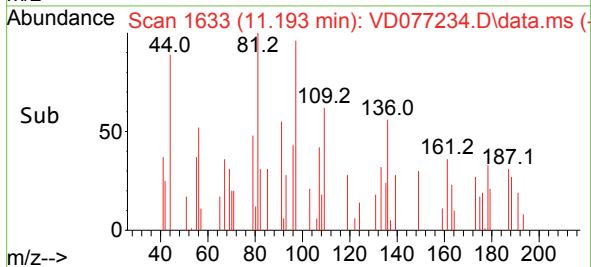
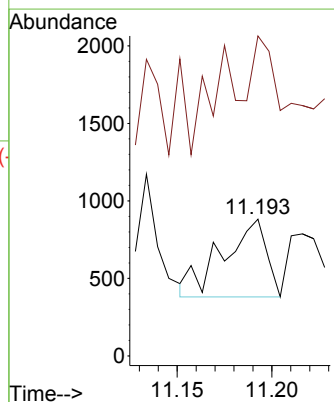
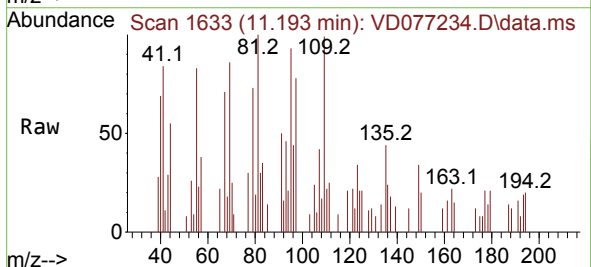
Instrument :
MSVOA_D
ClientSampleId :

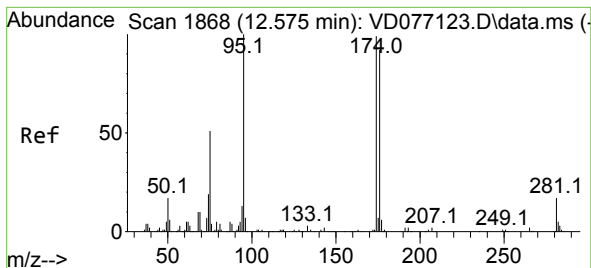
Tgt Ion: 43 Resp: 1166
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#



#61
1,2-Dibromoethane
Concen: 2.907 ug/l
RT: 11.193 min Scan# 1633
Delta R.T. 0.012 min
Lab File: VD077234.D
Acq: 28 Sep 2023 17:23

Tgt Ion: 107 Resp: 801
Ion Ratio Lower Upper
107 100
109 124.8 75.6 113.4#

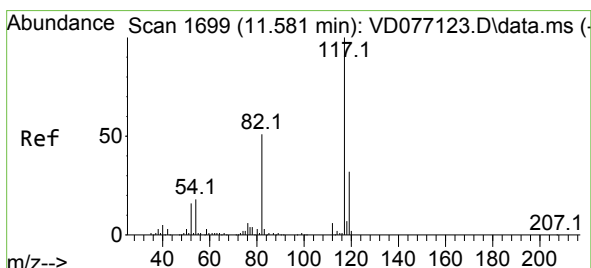
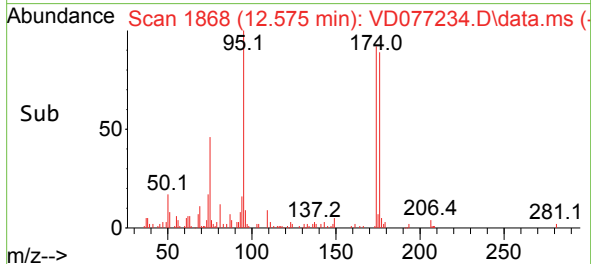
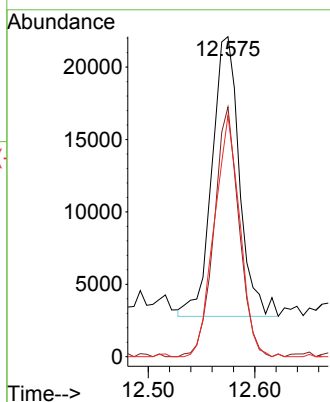
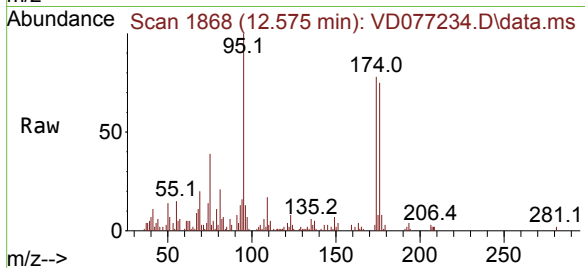




#62
4-Bromofluorobenzene
Concen: 98.391 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077234.D
Acq: 28 Sep 2023 17:23

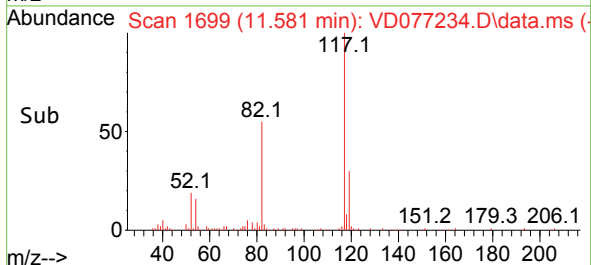
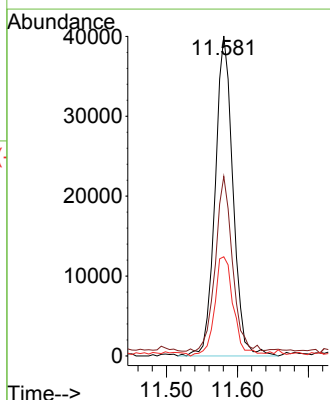
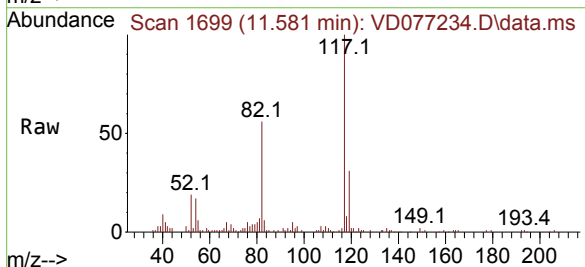
Instrument :
MSVOA_D
ClientSampleId :

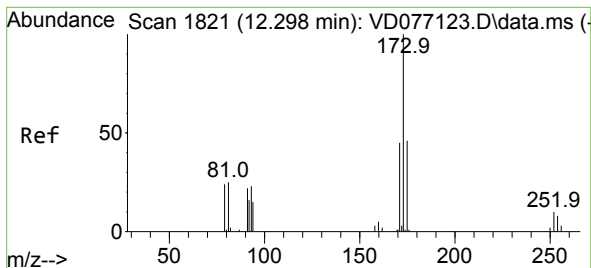
Tgt Ion: 95 Resp: 34584
Ion Ratio Lower Upper
95 100
174 81.0 0.0 201.8
176 80.3 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077234.D
Acq: 28 Sep 2023 17:23

Tgt Ion: 117 Resp: 69550
Ion Ratio Lower Upper
117 100
82 54.4 38.3 57.5
119 30.0 25.0 37.4





#71

Bromoform

Concen: 1.076 ug/l

RT: 12.316 min Scan# 1824

Delta R.T. 0.018 min

Lab File: VD077234.D

Acq: 28 Sep 2023 17:23

Instrument :

MSVOA_D

ClientSampleId :

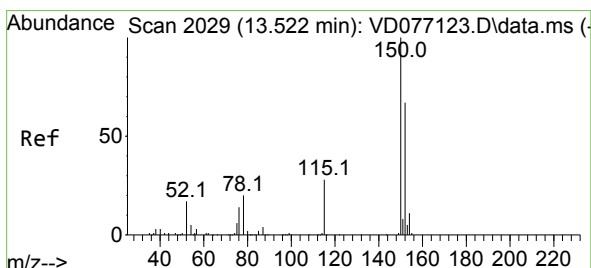
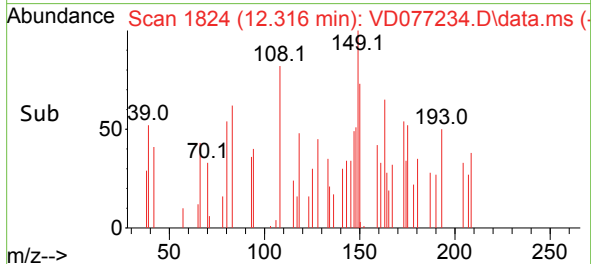
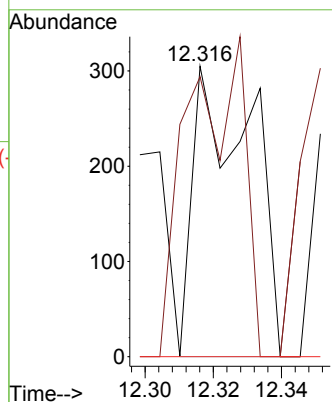
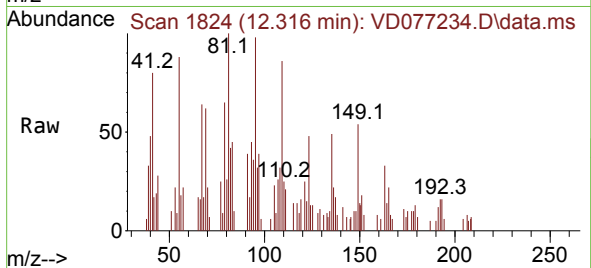
Tgt Ion:173 Resp: 357

Ion Ratio Lower Upper

173 100

175 106.7 24.6 73.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.000 min

Lab File: VD077234.D

Acq: 28 Sep 2023 17:23

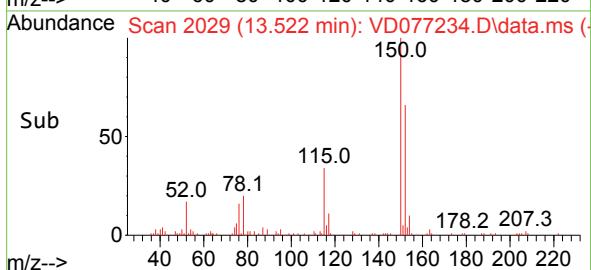
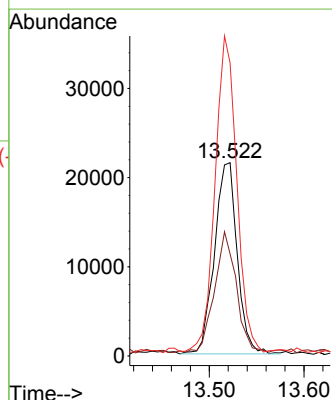
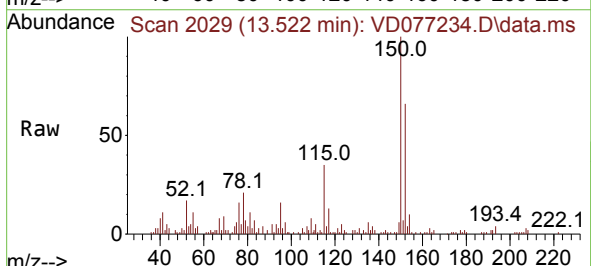
Tgt Ion:152 Resp: 35880

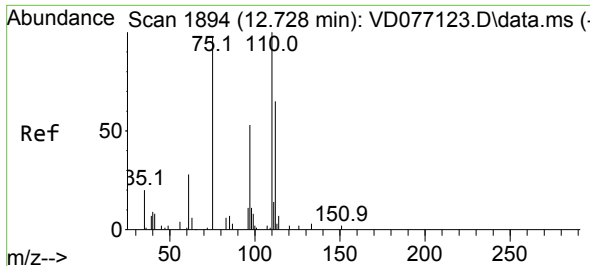
Ion Ratio Lower Upper

152 100

115 61.0 27.1 81.3

150 155.8 0.0 353.6

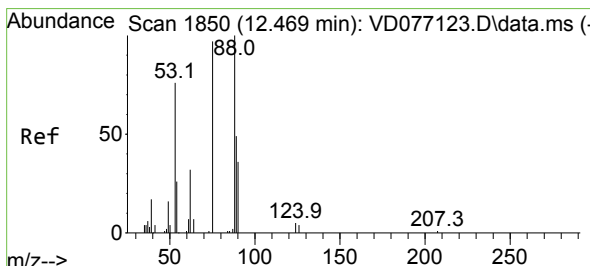
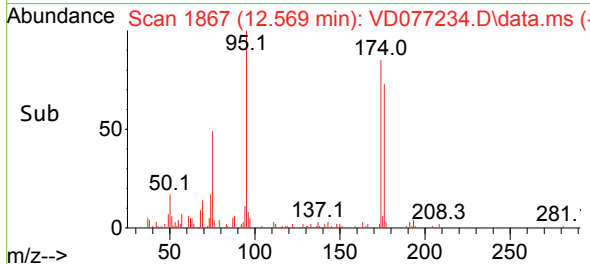
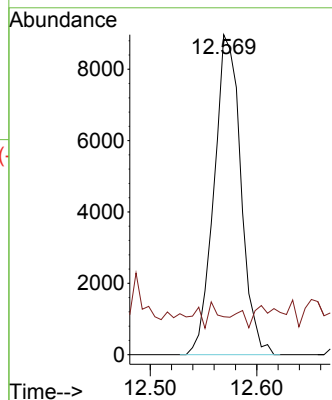
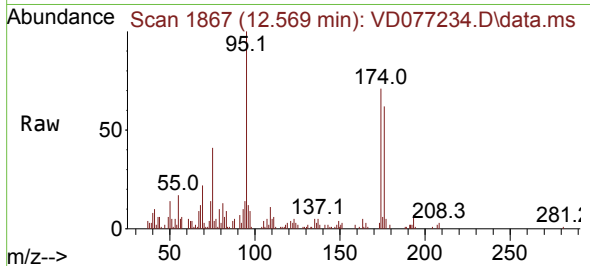




#76
1,2,3-Trichloropropane
Concen: 54.775 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD077234.D
Acq: 28 Sep 2023 17:23

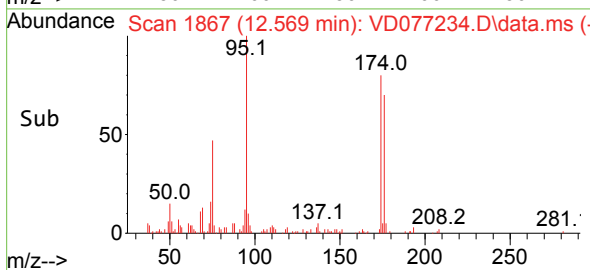
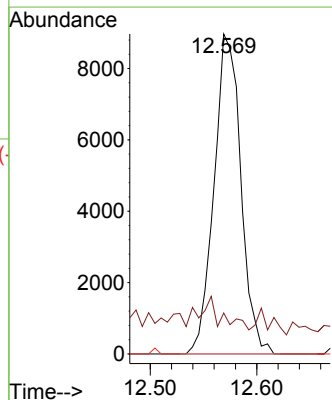
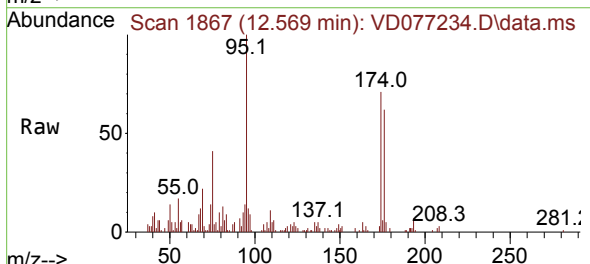
Instrument :
MSVOA_D
ClientSampleId :

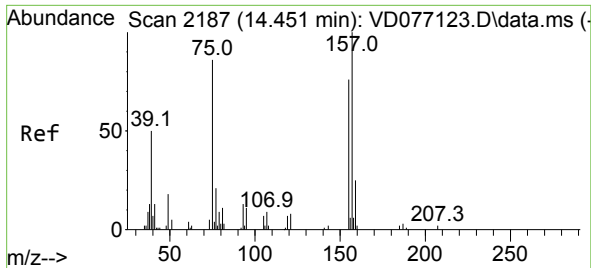
Tgt Ion: 75 Resp: 15677
Ion Ratio Lower Upper
75 100
77 3.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.679 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD077234.D
Acq: 28 Sep 2023 17:23

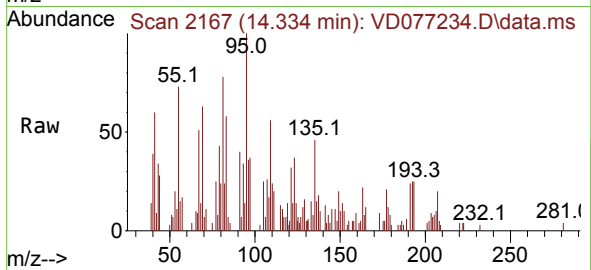
Tgt Ion: 75 Resp: 15677
Ion Ratio Lower Upper
75 100
53 10.4 63.0 94.4#
89 0.0 37.9 56.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.796 ug/l
 RT: 14.334 min Scan# 2167
 Delta R.T. -0.117 min
 Lab File: VD077234.D
 Acq: 28 Sep 2023 17:23

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	120
Ion	Ratio	Lower	Upper
75	100		
155	177.5	47.9	143.8#
157	245.8	59.9	179.7#

