

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077828.D
 Acq On : 11 Dec 2023 22:52
 Operator : JC/SY
 Sample : 05740-03
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-251686

Quant Time: Dec 12 00:54:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

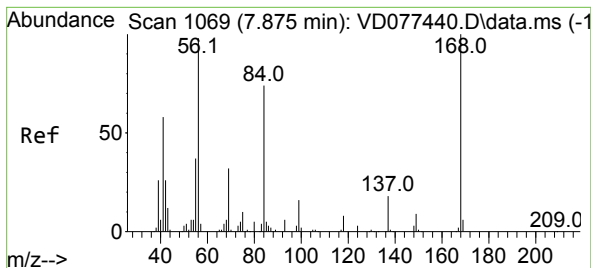
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	170599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	361632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	353082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	162556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	94562	47.040	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.080%
35) Dibromofluoromethane	7.811	113	113683	44.879	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.760%
50) Toluene-d8	10.269	98	474137	46.734	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.460%
62) 4-Bromofluorobenzene	12.575	95	139036	45.838	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.081	59	75	Below Cal	#	73
16) Acetone	4.023	43	195	Below Cal	#	32
20) Methylene Chloride	4.811	84	10633	Below Cal	#	82
25) 2-Butanone	7.093	43	60	Below Cal	#	37
31) Cyclohexane	7.875	56	3691	1.032	ug/l #	58
36) 1,1-Dichloropropene	7.881	75	14069	3.472	ug/l #	47
38) Carbon Tetrachloride	7.881	117	16854	4.172	ug/l #	16
65) Chlorobenzene	11.616	112	389	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	74455	52.737	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	74455	106.850	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	571	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.504	75	54	Below Cal	#	1

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

Quant Time: Dec 12 00:54:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 08 13:33:18 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: VD077828.D

Acq: 11 Dec 2023 22:52

Instrument :

MSVOA_D

ClientSampleId :

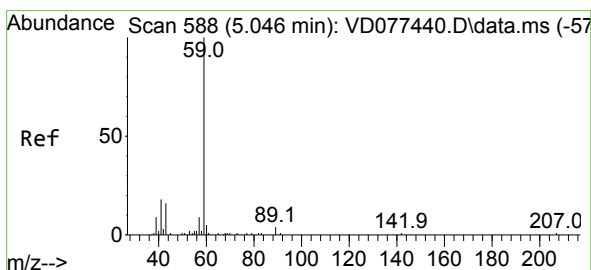
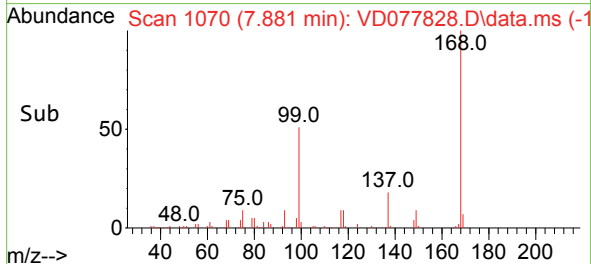
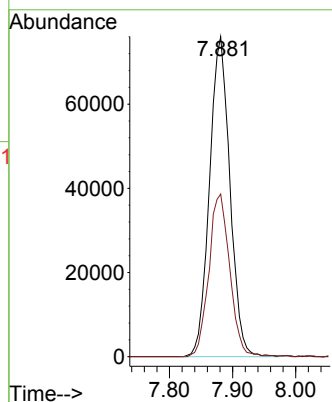
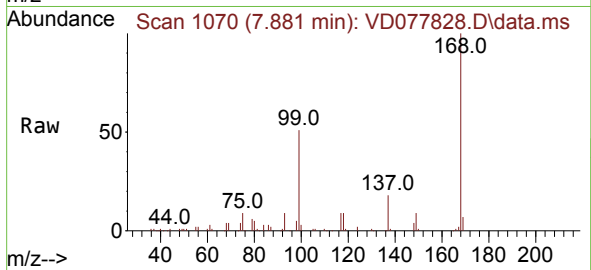
RBR-251686

Tgt Ion:168 Resp: 170599

Ion Ratio Lower Upper

168 100

99 50.8 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.081 min Scan# 594

Delta R.T. 0.035 min

Lab File: VD077828.D

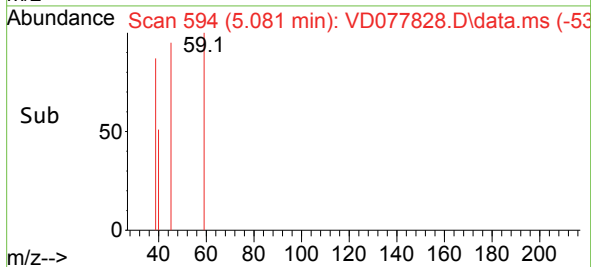
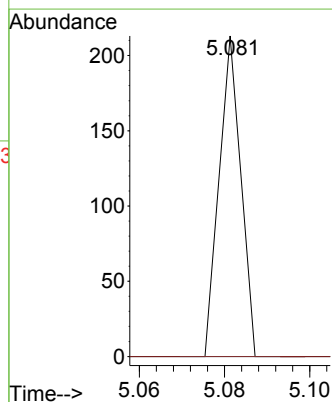
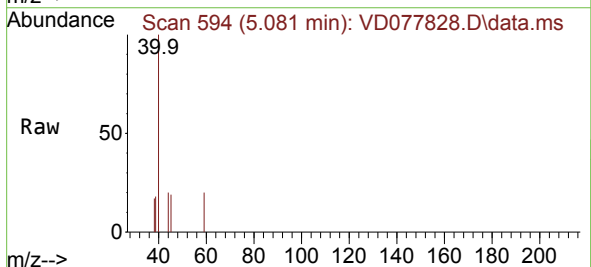
Acq: 11 Dec 2023 22:52

Tgt Ion: 59 Resp: 75

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

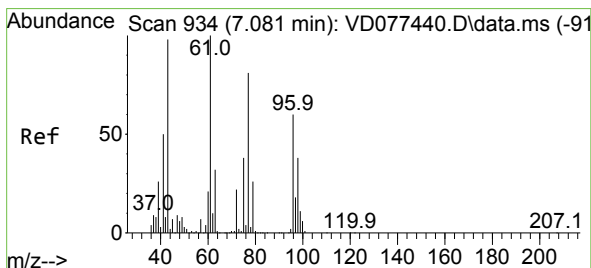
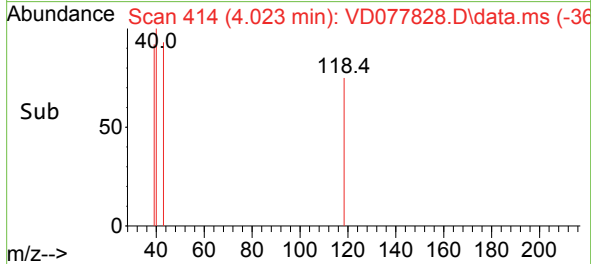
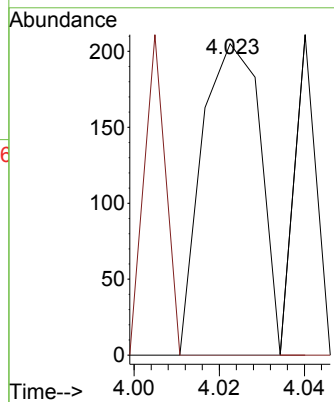
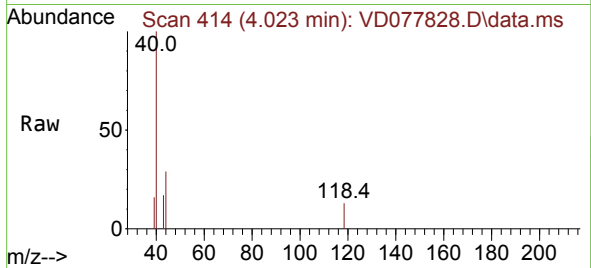




#16
Acetone
Concen: Below Cal
RT: 4.023 min Scan# 414
Delta R.T. 0.001 min
Lab File: VD077828.D
Acq: 11 Dec 2023 22:52

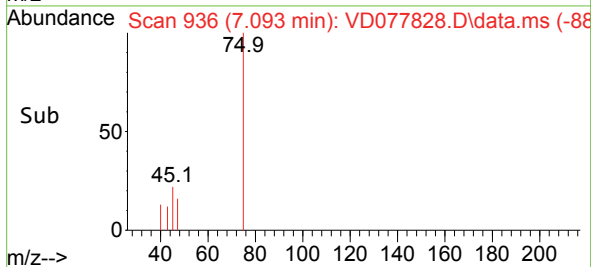
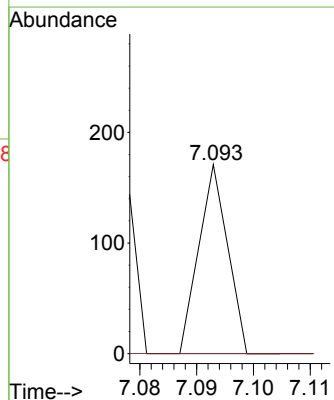
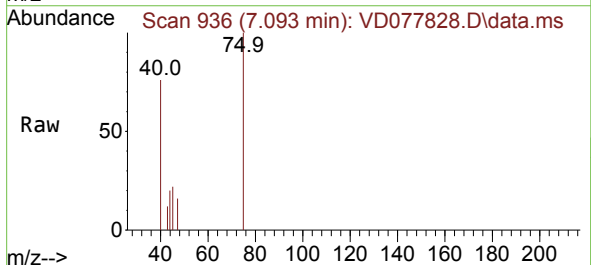
Instrument :
MSVOA_D
ClientSampleId :
RBR-251686

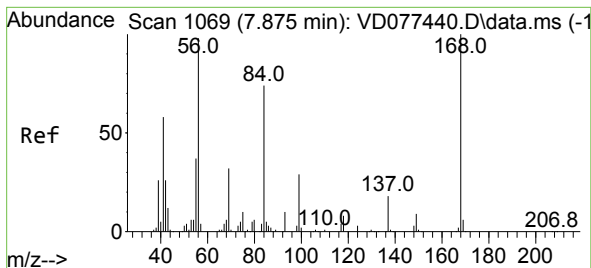
Tgt Ion: 43 Resp: 195
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD077828.D
Acq: 11 Dec 2023 22:52

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#31

Cyclohexane

Concen: 1.032 ug/l

RT: 7.875 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD077828.D

Acq: 11 Dec 2023 22:52

Instrument :

MSVOA_D

ClientSampleId :

RBR-251686

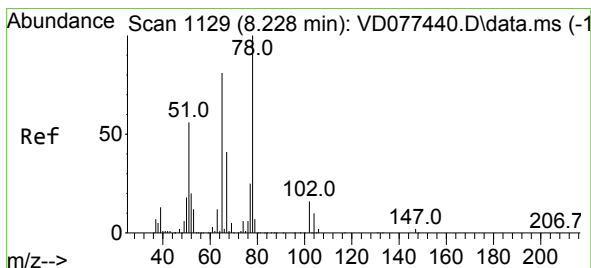
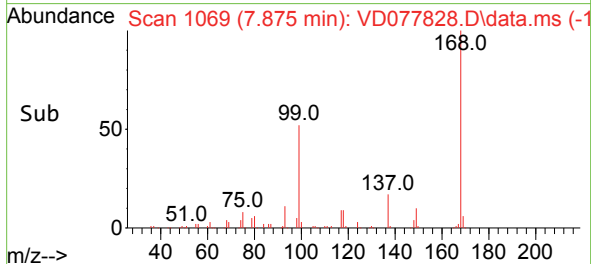
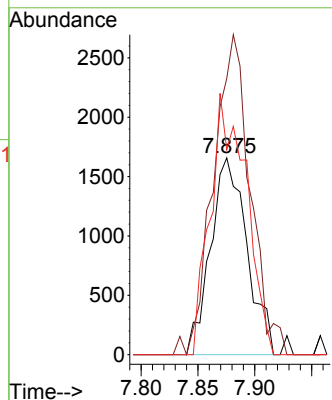
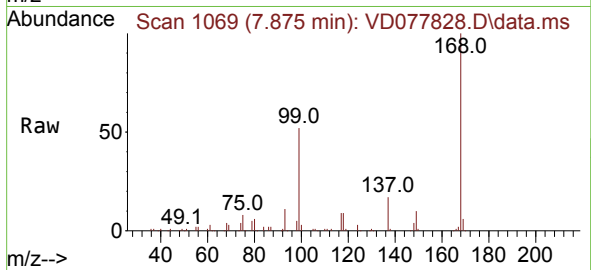
Tgt Ion: 56 Resp: 3691

Ion Ratio Lower Upper

56 100

69 131.1 28.6 43.0#

84 104.3 84.8 127.2



#33

1,2-Dichloroethane-d4

Concen: 47.040 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077828.D

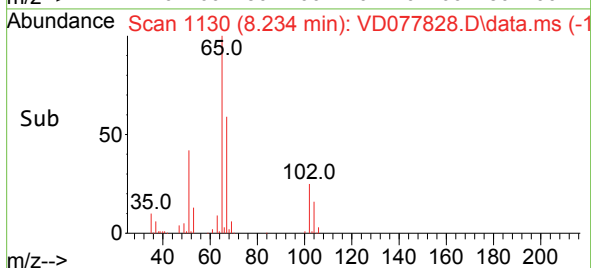
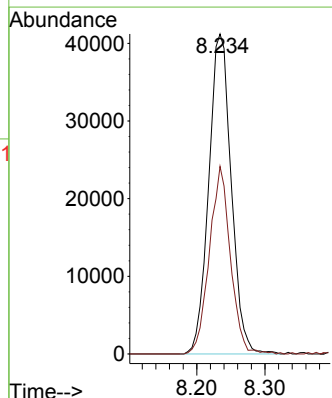
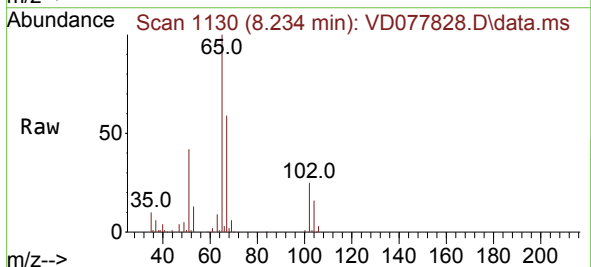
Acq: 11 Dec 2023 22:52

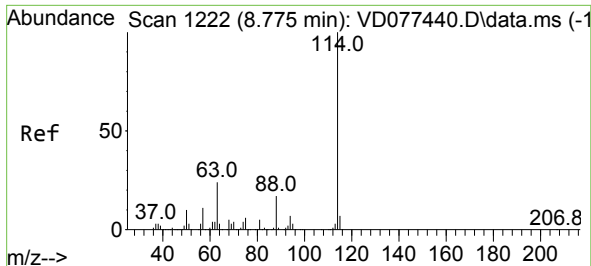
Tgt Ion: 65 Resp: 94562

Ion Ratio Lower Upper

65 100

67 54.9 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077828.D

Acq: 11 Dec 2023 22:52

Instrument :

MSVOA_D

ClientSampleId :

RBR-251686

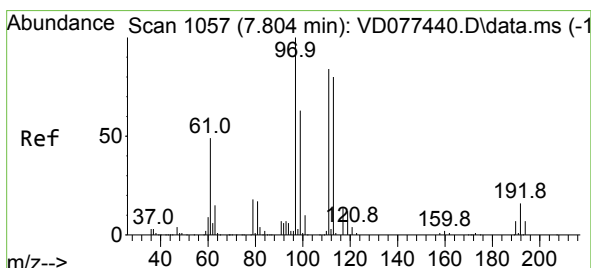
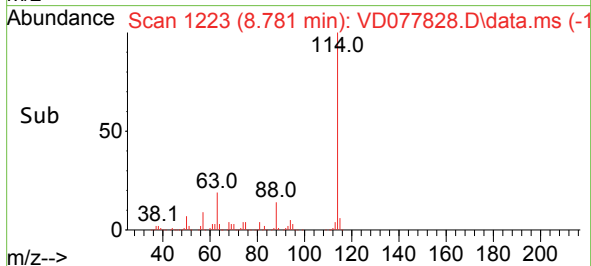
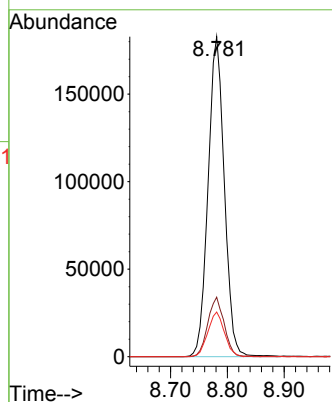
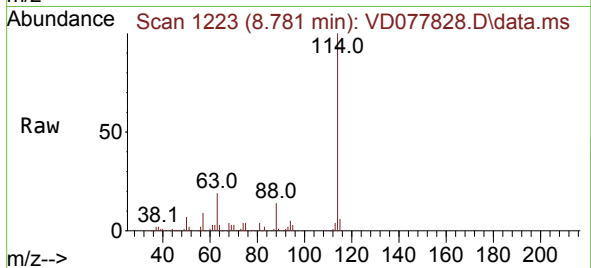
Tgt Ion:114 Resp: 361632

Ion Ratio Lower Upper

114 100

63 18.6 0.0 33.4

88 14.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 44.879 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.007 min

Lab File: VD077828.D

Acq: 11 Dec 2023 22:52

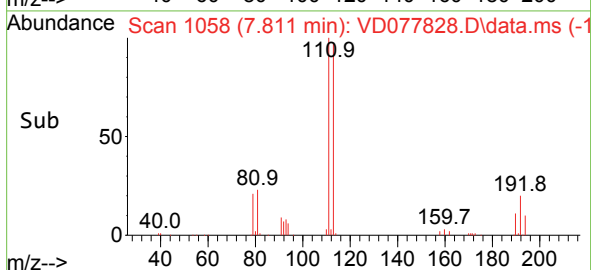
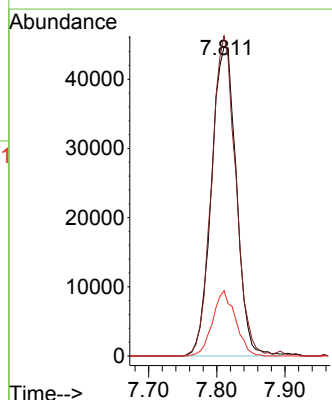
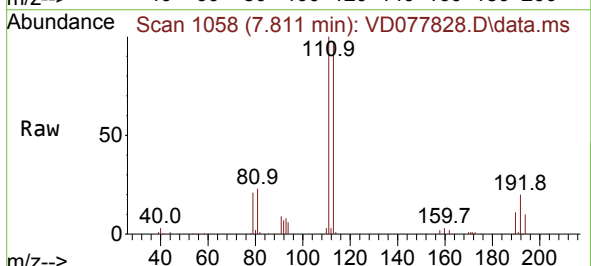
Tgt Ion:113 Resp: 113683

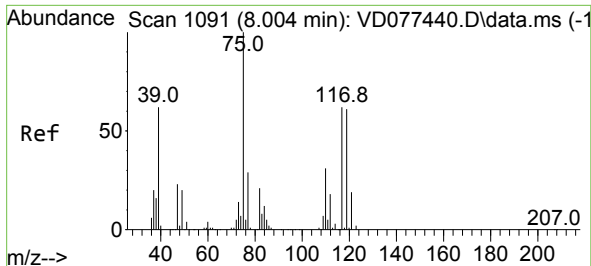
Ion Ratio Lower Upper

113 100

111 100.2 84.7 127.1

192 19.4 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.472 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

Lab File: VD077828.D

Acq: 11 Dec 2023 22:52

Instrument :

MSVOA_D

ClientSampleId :

RBR-251686

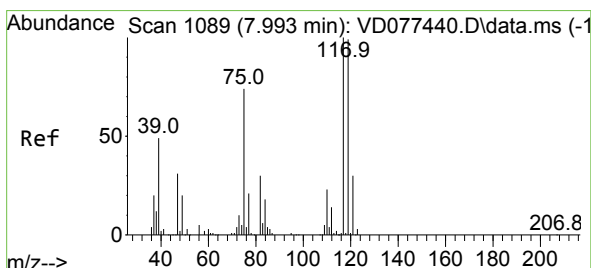
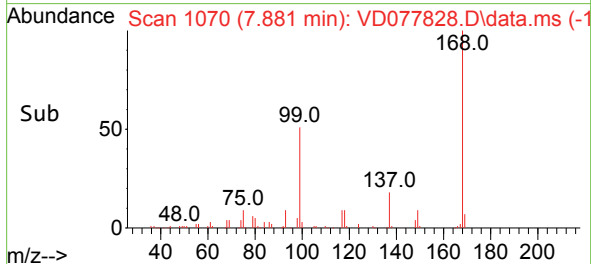
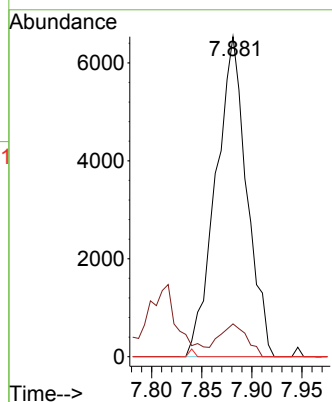
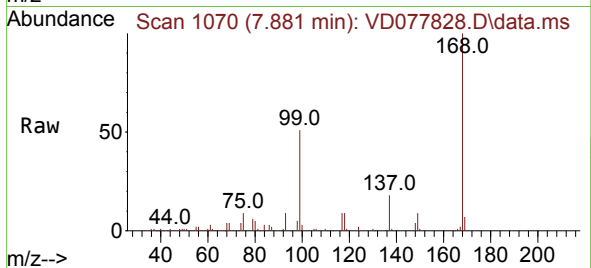
Tgt Ion: 75 Resp: 14069

Ion Ratio Lower Upper

75 100

110 8.9 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.172 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD077828.D

Acq: 11 Dec 2023 22:52

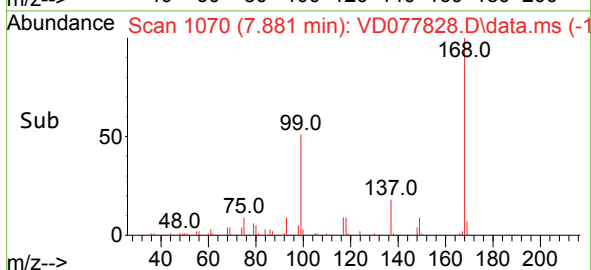
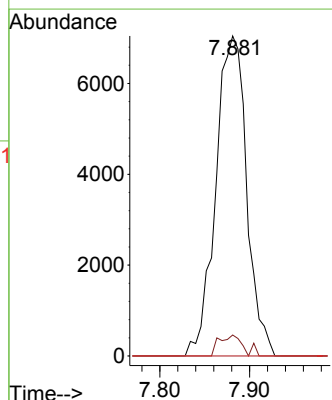
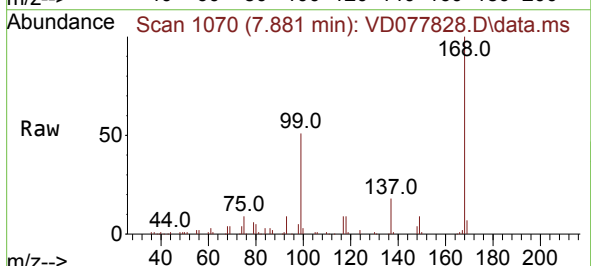
Tgt Ion: 117 Resp: 16854

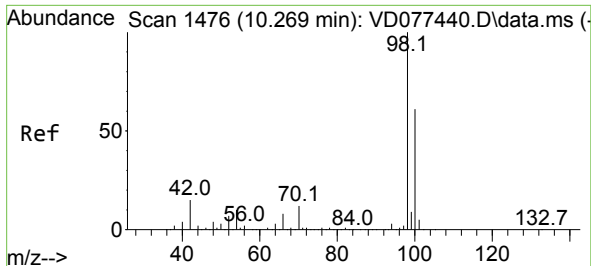
Ion Ratio Lower Upper

117 100

119 6.6 78.0 117.0#

121 0.0 24.2 36.2#

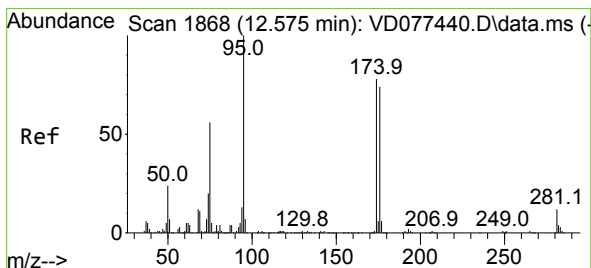
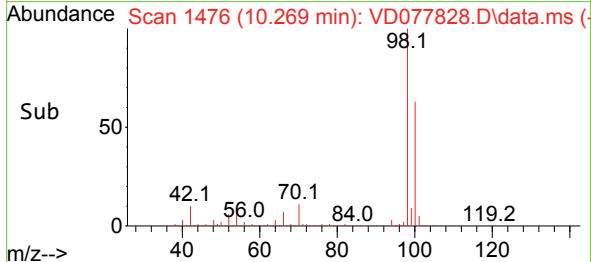
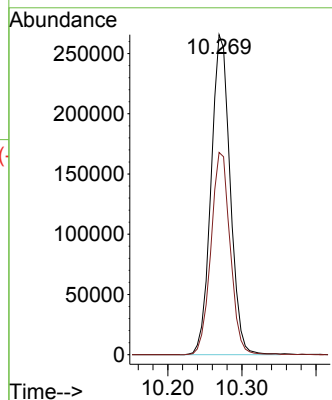
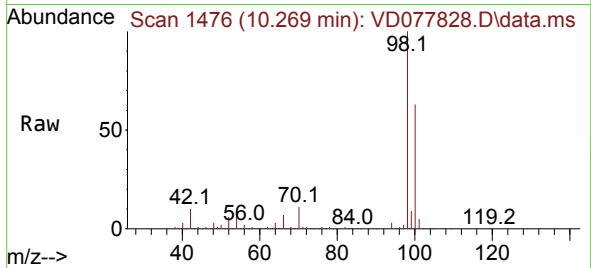




#50
Toluene-d8
Concen: 46.734 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077828.D
Acq: 11 Dec 2023 22:52

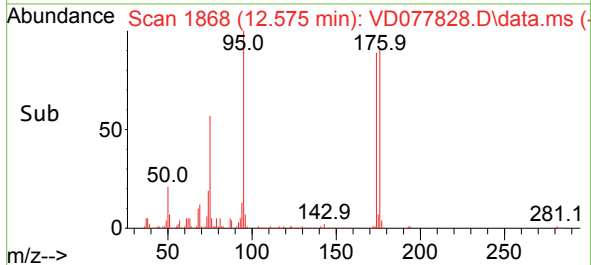
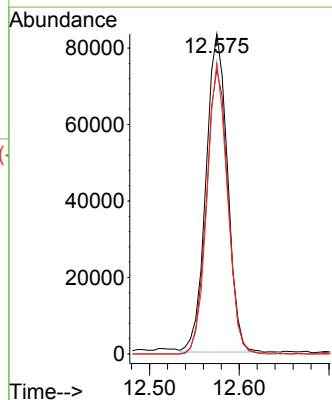
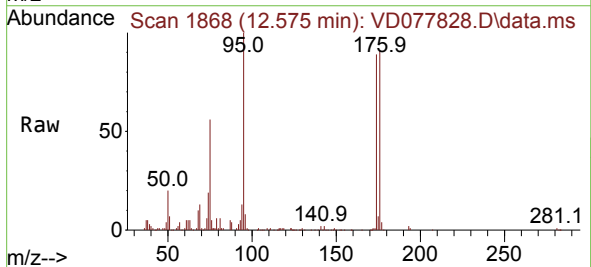
Instrument :
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RBR-251686

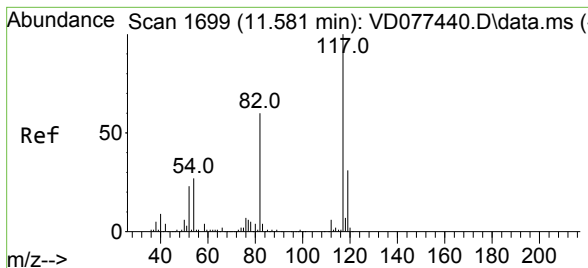
Tgt Ion: 98 Resp: 474137
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 45.838 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077828.D
Acq: 11 Dec 2023 22:52

Tgt Ion: 95 Resp: 139036
Ion Ratio Lower Upper
95 100
174 89.7 0.0 201.8
176 86.6 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077828.D

Acq: 11 Dec 2023 22:52

Instrument :

MSVOA_D

ClientSampleId :

RBR-251686

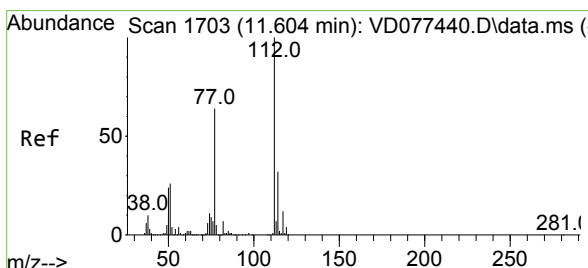
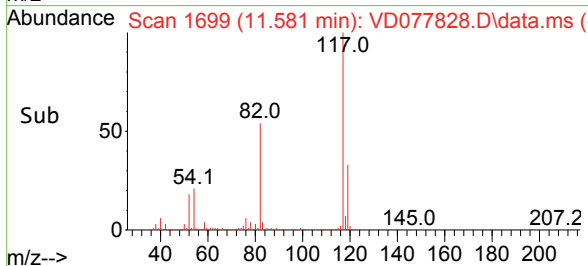
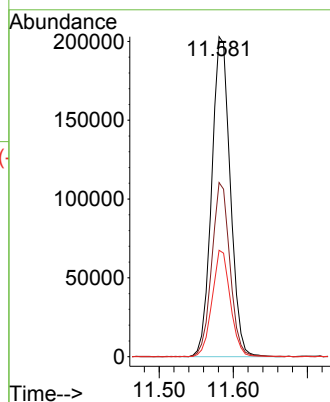
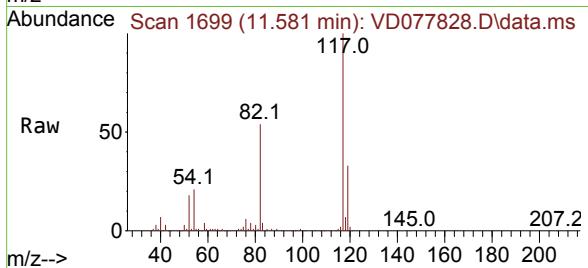
Tgt Ion:117 Resp: 353082

Ion Ratio Lower Upper

117 100

82 54.3 38.3 57.5

119 33.3 25.0 37.4



#65

Chlorobenzene

Concen: Below Cal

RT: 11.616 min Scan# 1705

Delta R.T. 0.012 min

Lab File: VD077828.D

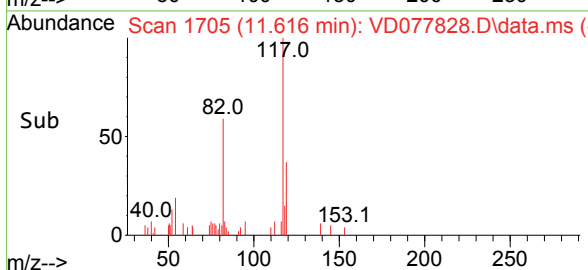
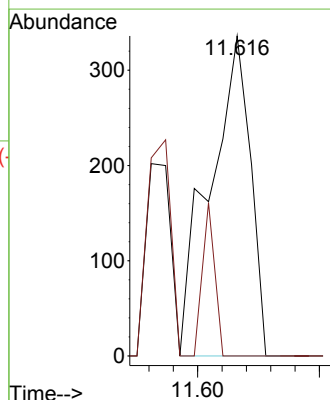
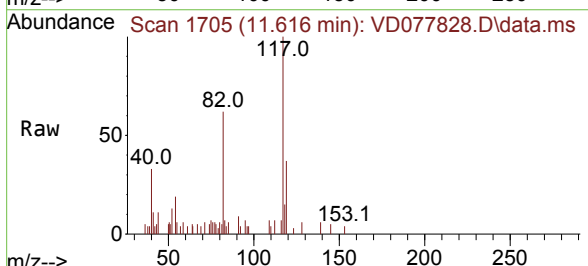
Acq: 11 Dec 2023 22:52

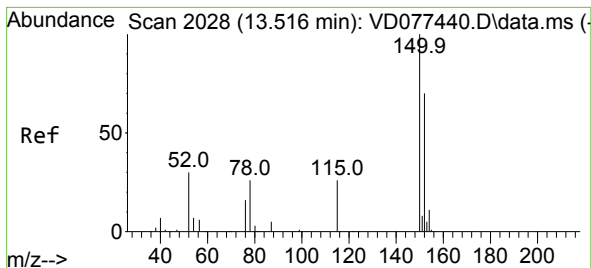
Tgt Ion:112 Resp: 389

Ion Ratio Lower Upper

112 100

114 0.0 25.1 37.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD077828.D

Acq: 11 Dec 2023 22:52

Instrument :

MSVOA_D

ClientSampleId :

RBR-251686

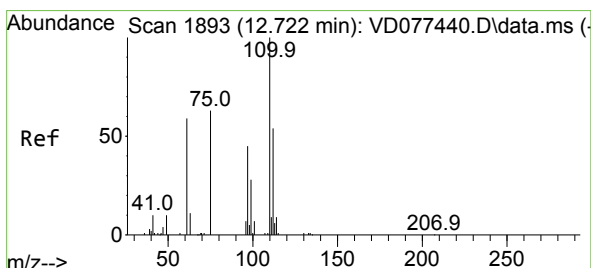
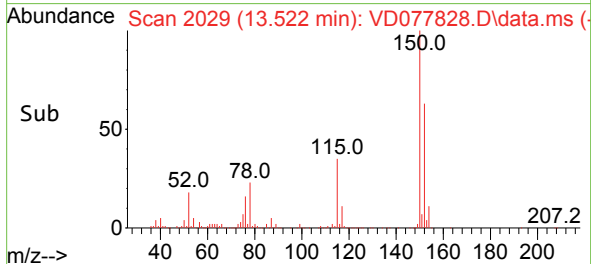
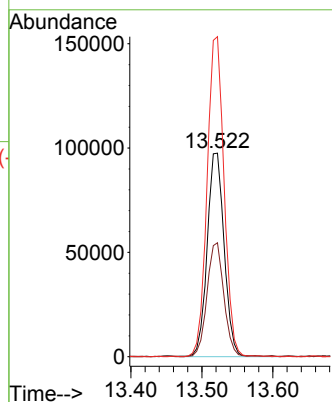
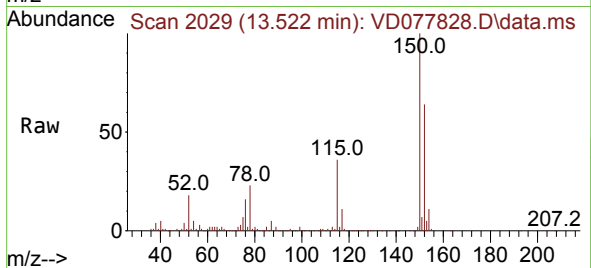
Tgt Ion:152 Resp: 162556

Ion Ratio Lower Upper

152 100

115 55.4 27.1 81.3

150 156.8 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 52.737 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077828.D

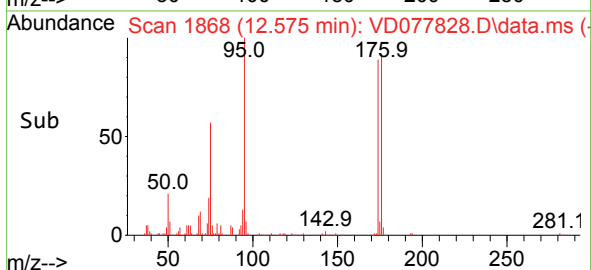
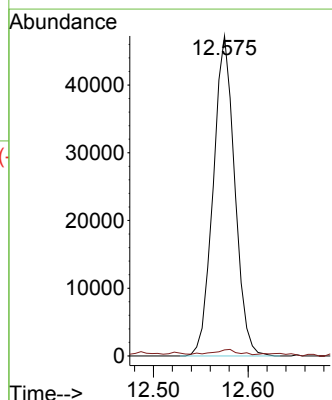
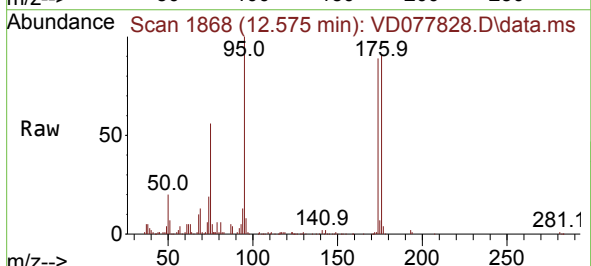
Acq: 11 Dec 2023 22:52

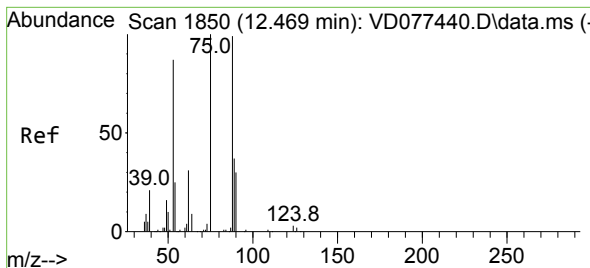
Tgt Ion: 75 Resp: 74455

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

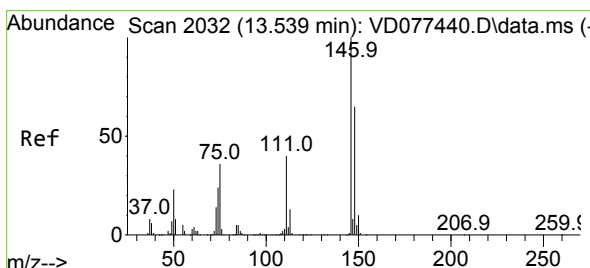
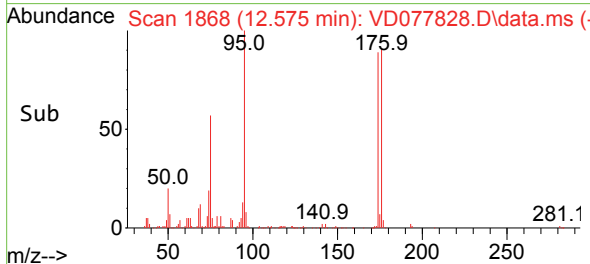
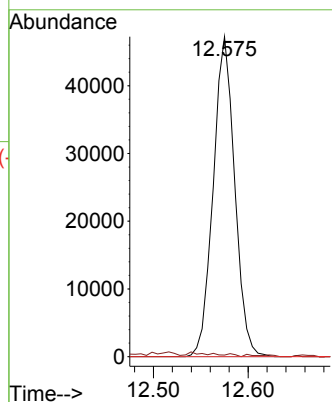
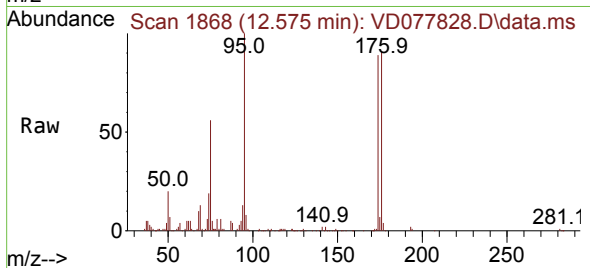




#81
trans-1,4-Dichloro-2-butene
Concen: 106.850 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077828.D
Acq: 11 Dec 2023 22:52

Instrument :
MSVOA_D
ClientSampleId :
RBR-251686

Tgt Ion: 75 Resp: 74455
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.534 min Scan# 2031
Delta R.T. -0.005 min
Lab File: VD077828.D
Acq: 11 Dec 2023 22:52

Tgt Ion: 146 Resp: 571
Ion Ratio Lower Upper
146 100
111 571.6 17.4 52.3#
148 253.9 31.7 95.1#

