

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080224\
 Data File : VD079552.D
 Acq On : 02 Aug 2024 19:49
 Operator : RP/MD
 Sample : P3403-03
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR251686

Quant Time: Aug 02 19:44:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

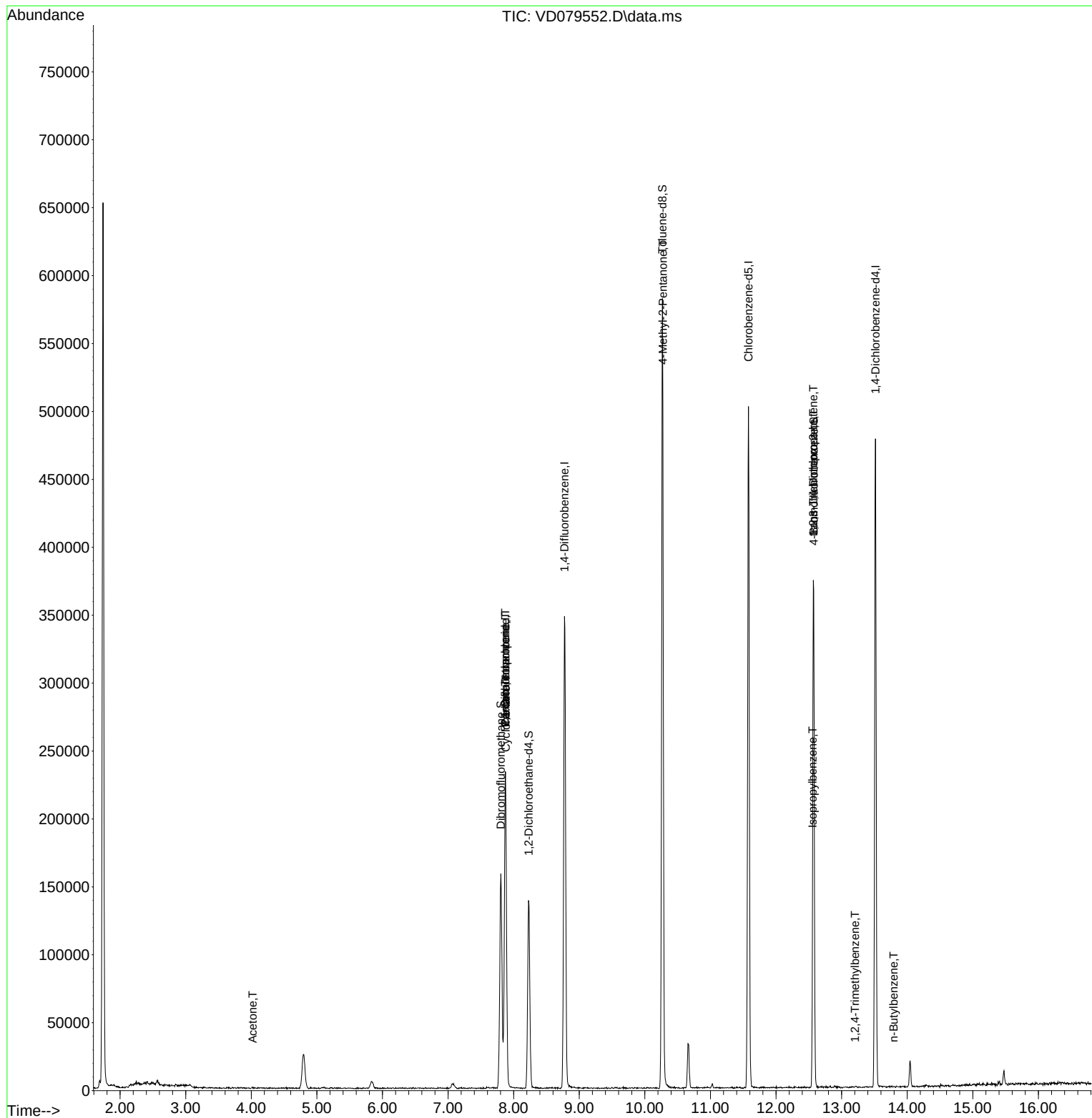
Internal Standards						
1) Pentafluorobenzene	7.875	168	182642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	328126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	303011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	135763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	107471	57.921	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.840%
35) Dibromofluoromethane	7.804	113	116737	52.563	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.120%
50) Toluene-d8	10.269	98	410254	47.568	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.140%
62) 4-Bromofluorobenzene	12.575	95	108319	43.401	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.800%
Target Compounds						
					Qvalue	
5) Bromomethane	2.675	94	299	Below Cal	#	42
16) Acetone	4.022	43	363	1.007	ug/l #	37
20) Methylene Chloride	4.793	84	21117	Below Cal		93
31) Cyclohexane	7.881	56	4074	1.322	ug/l #	58
36) 1,1-Dichloropropene	7.875	75	13485	4.449	ug/l #	48
38) Carbon Tetrachloride	7.875	117	16787	5.268	ug/l #	15
51) 4-Methyl-2-Pentanone	10.275	43	1574	1.320	ug/l #	1
73) Isopropylbenzene	12.557	105	56	3.633	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	54079	45.571	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	54079	86.916	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.204	105	692	3.504	ug/l	66
89) n-Butylbenzene	13.792	91	53	3.788	ug/l #	34

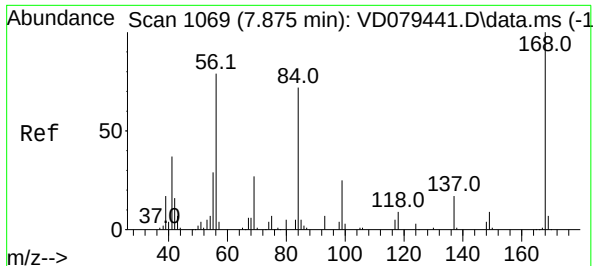
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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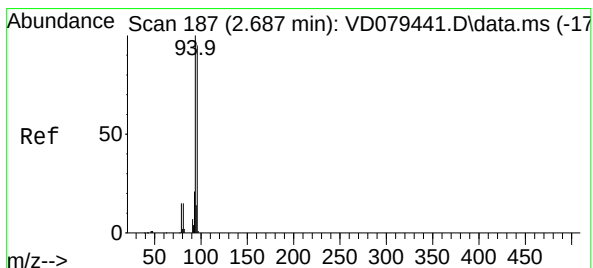
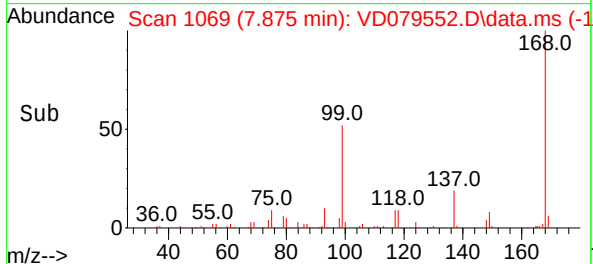
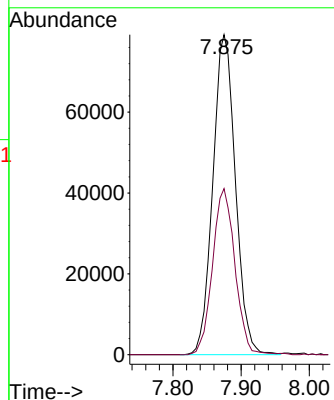
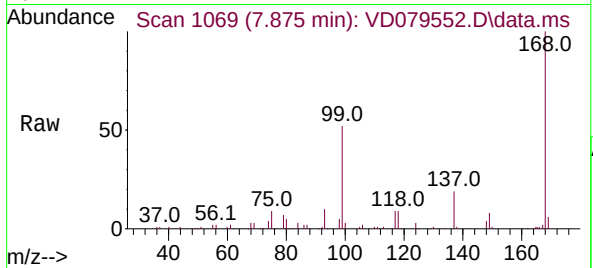




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079552.D
Acq: 02 Aug 2024 19:49

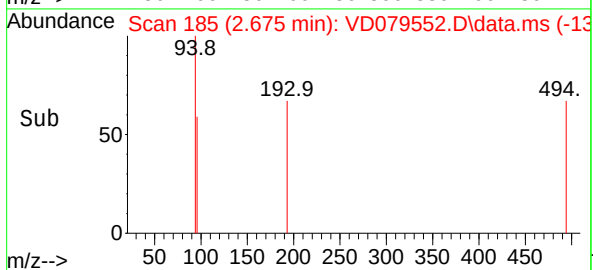
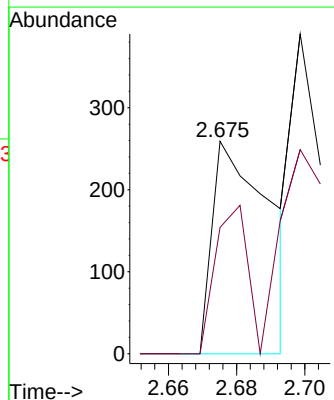
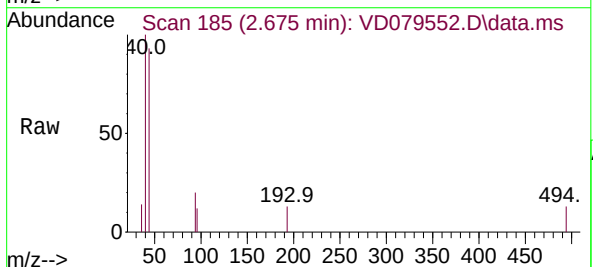
Instrument :
MSVOA_D
ClientSampleId :
RBR251686

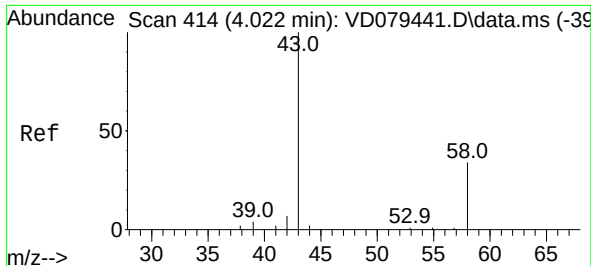
Tgt Ion:168 Resp: 182642
Ion Ratio Lower Upper
168 100
99 51.9 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.675 min Scan# 185
Delta R.T. -0.012 min
Lab File: VD079552.D
Acq: 02 Aug 2024 19:49

Tgt Ion: 94 Resp: 299
Ion Ratio Lower Upper
94 100
96 39.5 76.9 115.3#

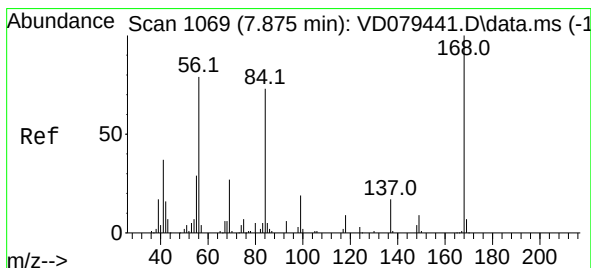
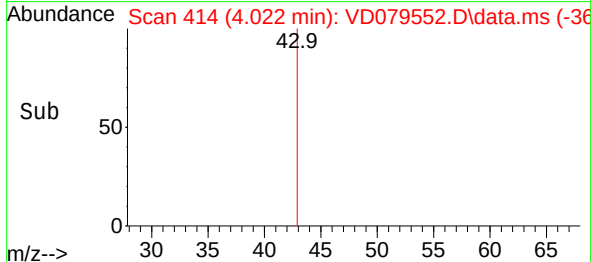
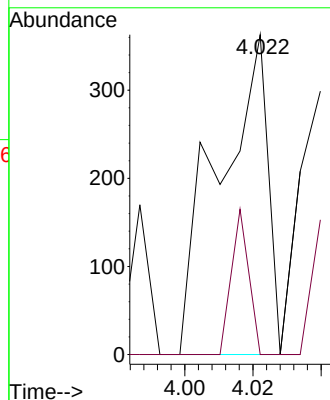
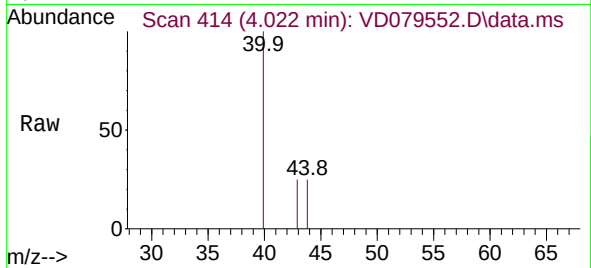




#16
Acetone
Concen: 1.007 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD079552.D
Acq: 02 Aug 2024 19:49

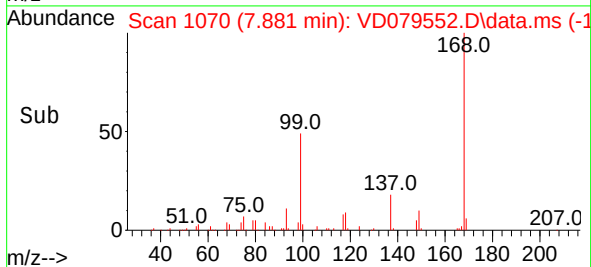
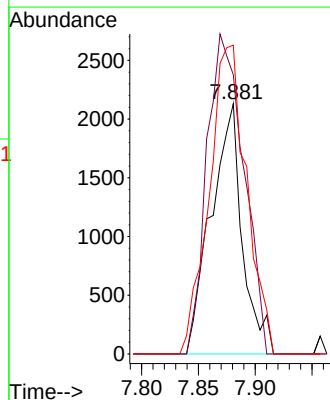
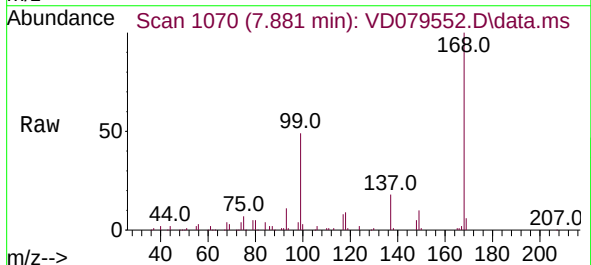
Instrument :
MSVOA_D
ClientSampleId :
RBR251686

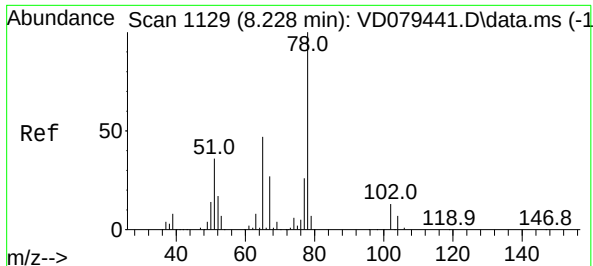
Tgt Ion: 43 Resp: 363
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#31
Cyclohexane
Concen: 1.322 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD079552.D
Acq: 02 Aug 2024 19:49

Tgt Ion: 56 Resp: 4074
Ion Ratio Lower Upper
56 100
69 111.6 28.0 42.0#
84 123.4 87.4 131.0

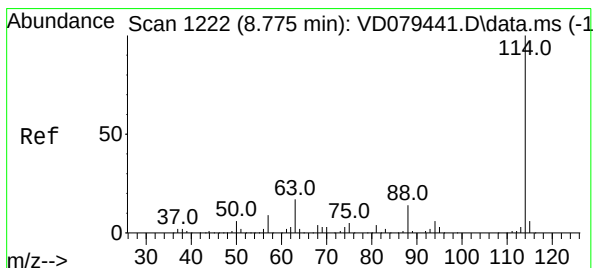
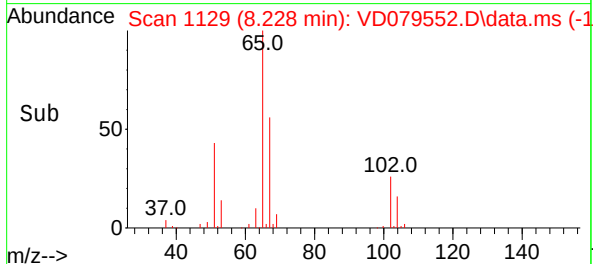
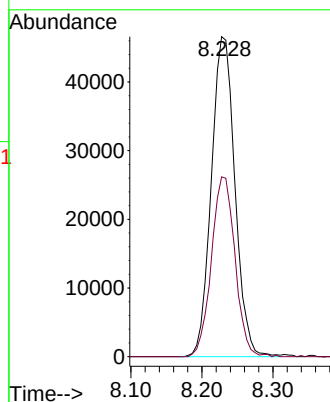
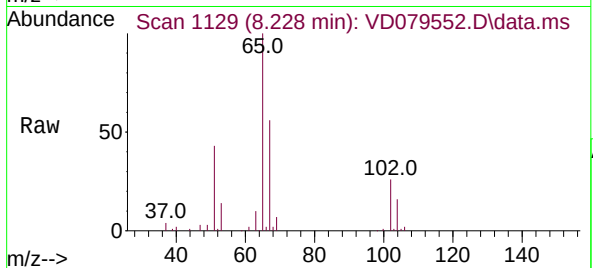




#33
 1,2-Dichloroethane-d4
 Concen: 57.921 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. -0.000 min
 Lab File: VD079552.D
 Acq: 02 Aug 2024 19:49

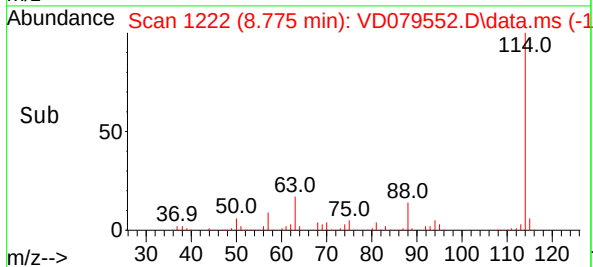
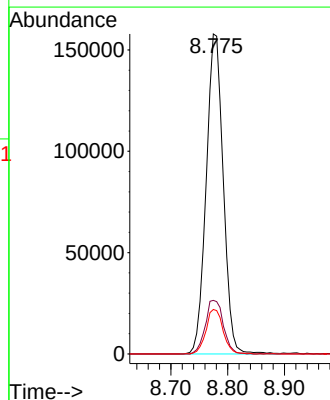
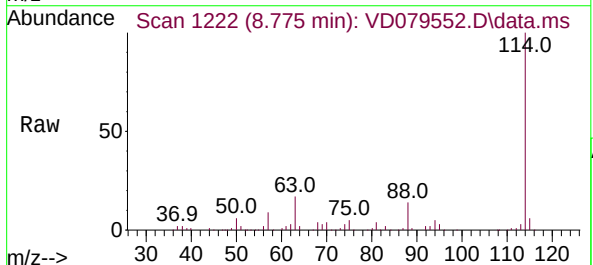
Instrument :
 MSVOA_D
 ClientSampleId :
 RBR251686

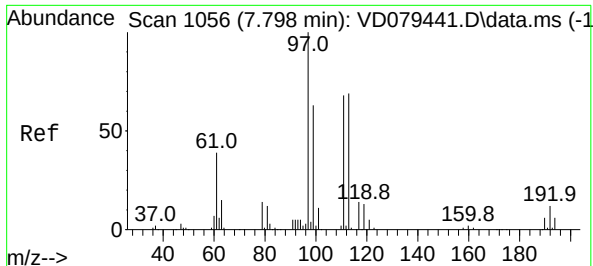
Tgt Ion: 65 Resp: 107471
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. -0.000 min
 Lab File: VD079552.D
 Acq: 02 Aug 2024 19:49

Tgt Ion: 114 Resp: 328126
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 34.0
 88 13.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 52.563 ug/l

RT: 7.804 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD079552.D

Acq: 02 Aug 2024 19:49

Instrument :

MSVOA_D

ClientSampleId :

RBR251686

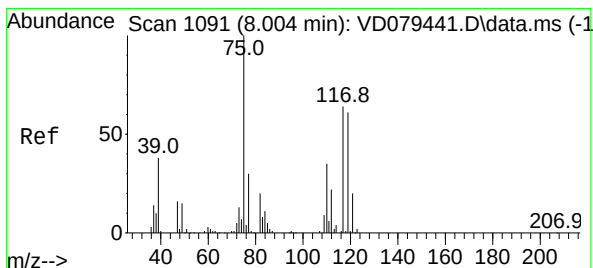
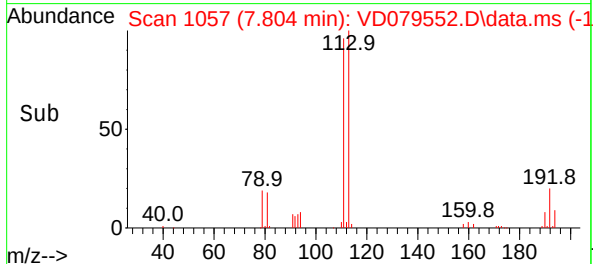
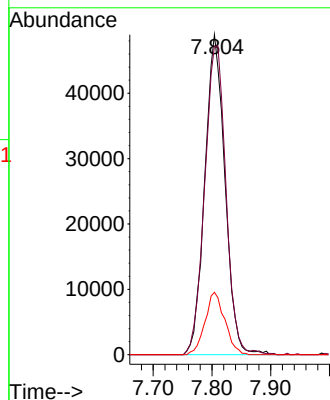
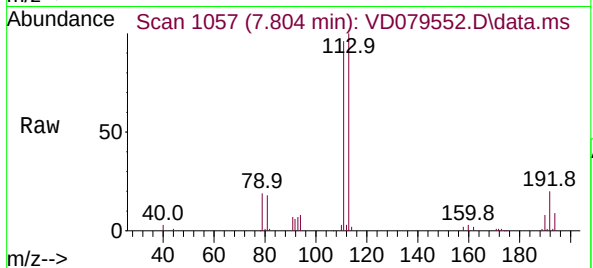
Tgt Ion:113 Resp: 116737

Ion Ratio Lower Upper

113 100

111 101.5 84.0 126.0

192 19.1 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.449 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.136 min

Lab File: VD079552.D

Acq: 02 Aug 2024 19:49

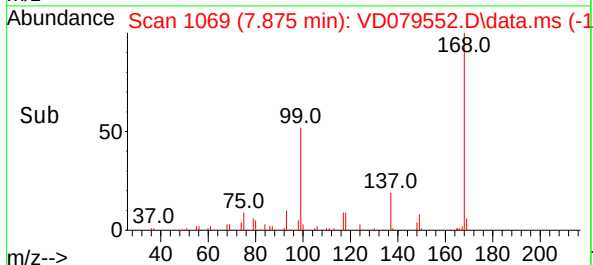
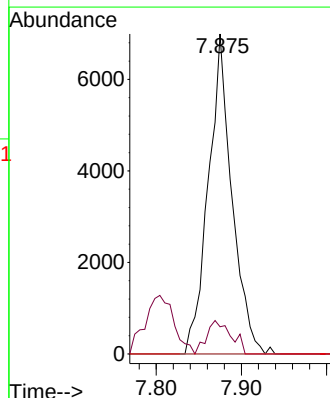
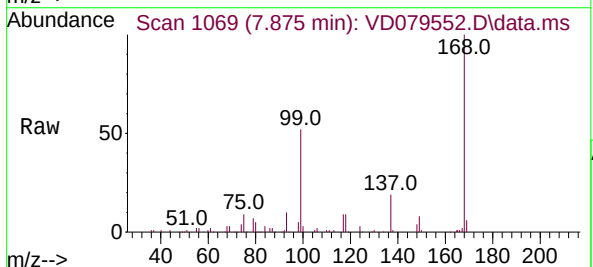
Tgt Ion: 75 Resp: 13485

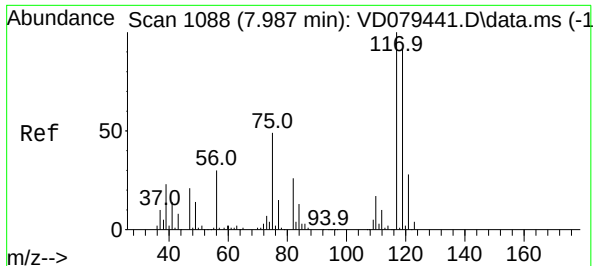
Ion Ratio Lower Upper

75 100

110 10.7 19.6 58.7#

77 0.0 26.1 39.1#





#38

Carbon Tetrachloride

Concen: 5.268 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.112 min

Lab File: VD079552.D

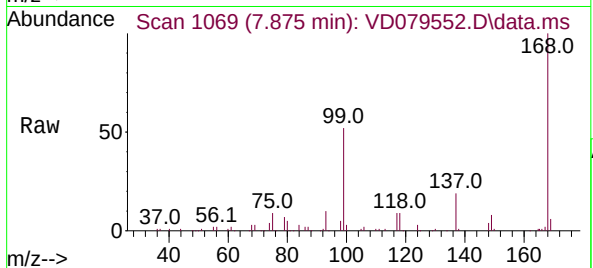
Acq: 02 Aug 2024 19:49

Instrument :

MSVOA_D

ClientSampleId :

RBR251686



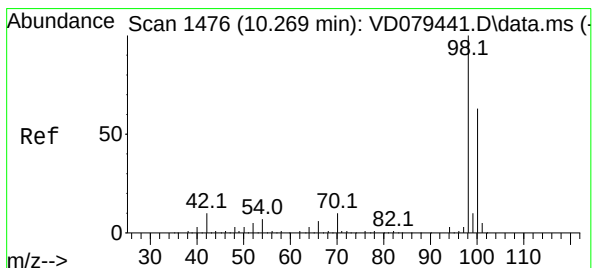
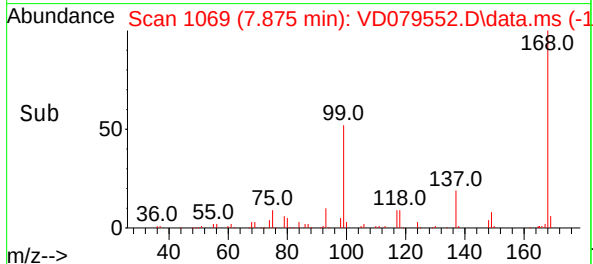
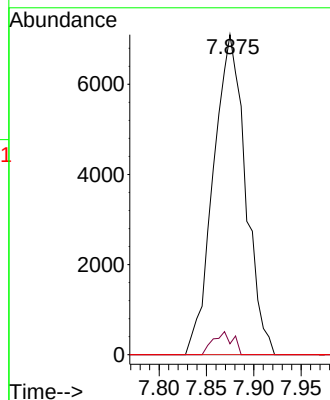
Tgt Ion:117 Resp: 16787

Ion Ratio Lower Upper

117 100

119 3.4 75.4 113.0#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 47.568 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079552.D

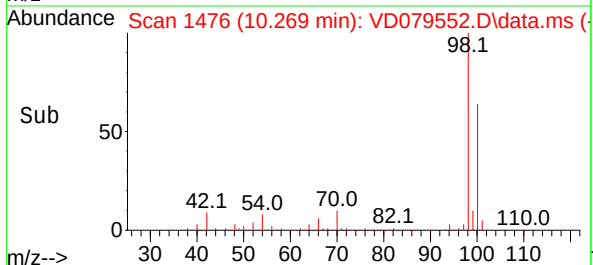
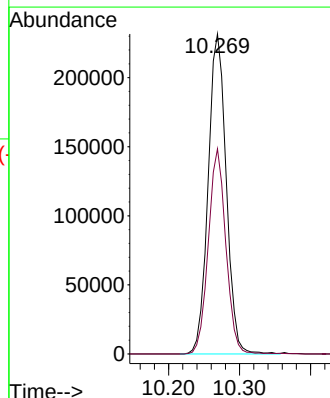
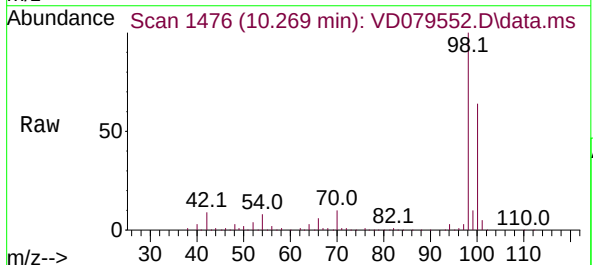
Acq: 02 Aug 2024 19:49

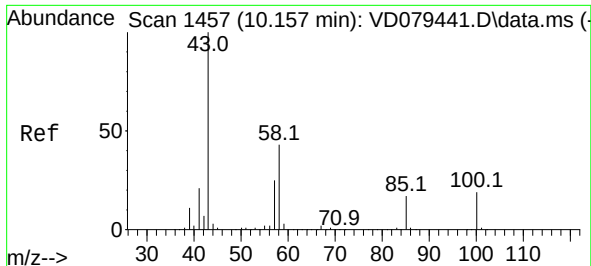
Tgt Ion: 98 Resp: 410254

Ion Ratio Lower Upper

98 100

100 62.4 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.320 ug/l

RT: 10.275 min Scan# 1457

Delta R.T. 0.117 min

Lab File: VD079552.D

Acq: 02 Aug 2024 19:49

Instrument :

MSVOA_D

ClientSampleId :

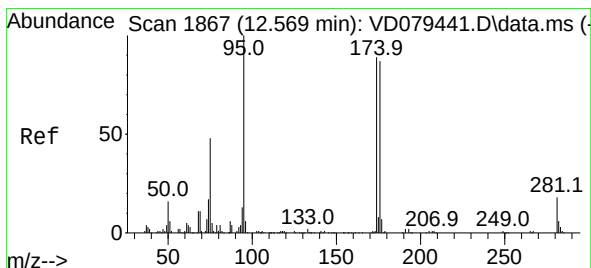
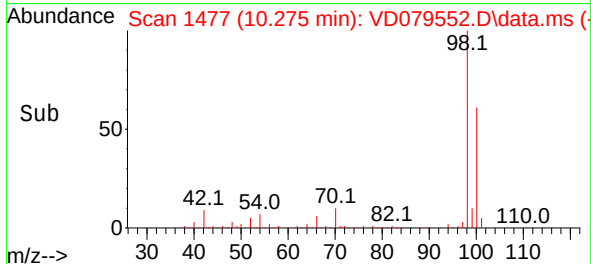
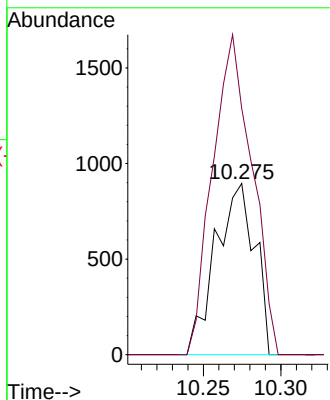
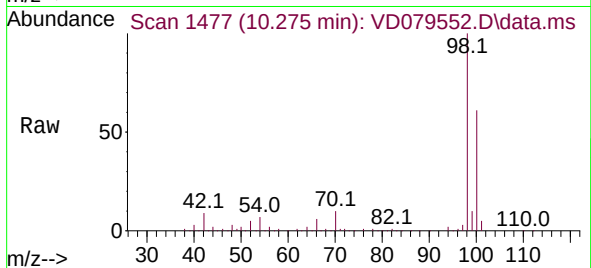
RBR251686

Tgt Ion: 43 Resp: 1574

Ion Ratio Lower Upper

43 100

58 188.1 36.6 55.0#



#62

4-Bromofluorobenzene

Concen: 43.401 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD079552.D

Acq: 02 Aug 2024 19:49

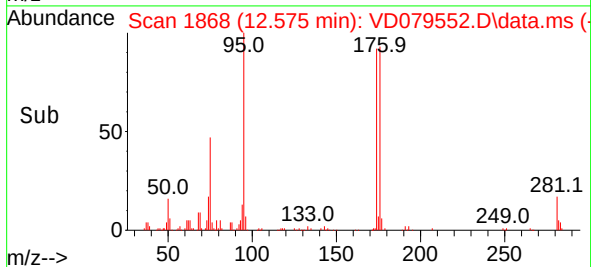
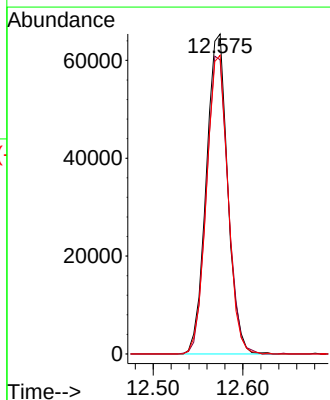
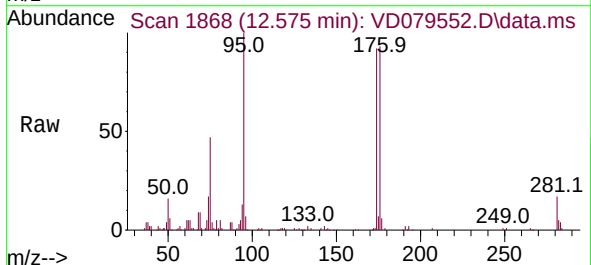
Tgt Ion: 95 Resp: 108319

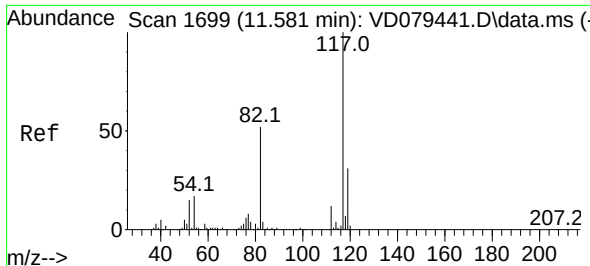
Ion Ratio Lower Upper

95 100

174 93.9 0.0 195.4

176 93.2 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD079552.D

Acq: 02 Aug 2024 19:49

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MSVOA_D

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RBR251686

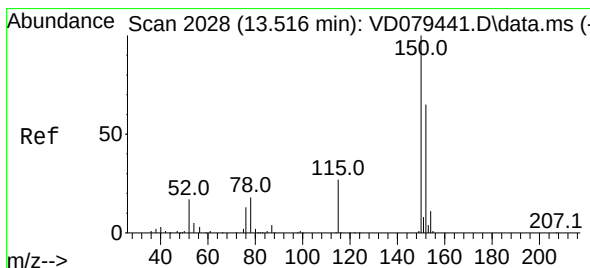
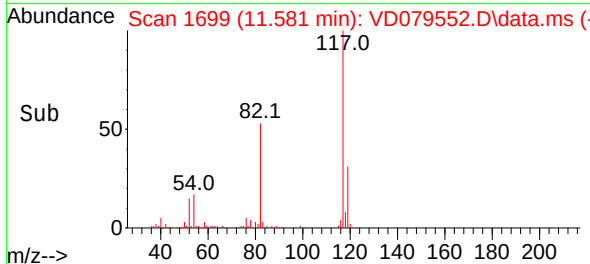
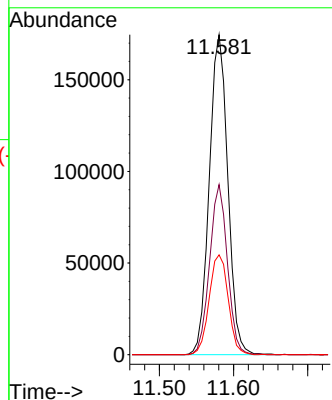
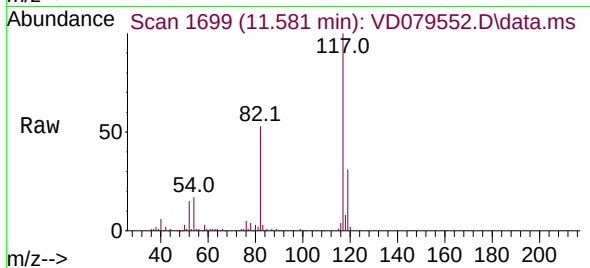
Tgt Ion:117 Resp: 303011

Ion Ratio Lower Upper

117 100

82 53.2 39.8 59.6

119 31.2 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.006 min

Lab File: VD079552.D

Acq: 02 Aug 2024 19:49

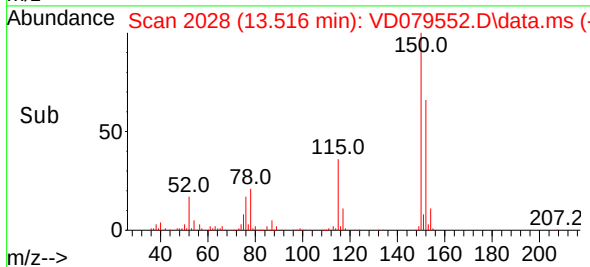
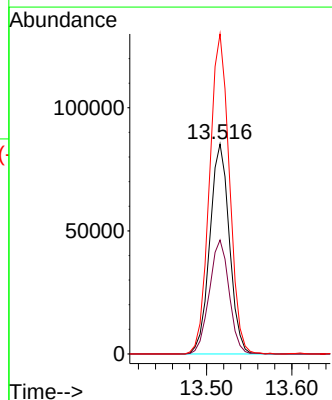
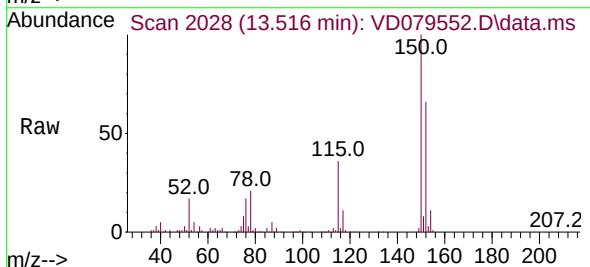
Tgt Ion:152 Resp: 135763

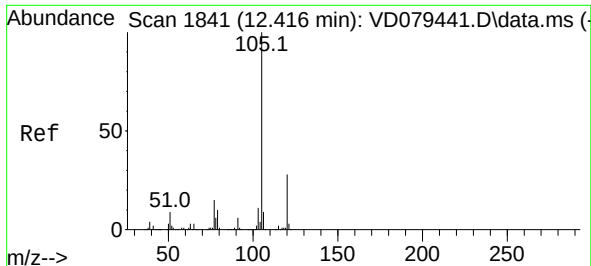
Ion Ratio Lower Upper

152 100

115 54.9 26.5 79.5

150 154.6 0.0 341.6





#73

Isopropylbenzene

Concen: 3.633 ug/l

RT: 12.557 min Scan# 1865

Delta R.T. 0.141 min

Lab File: VD079552.D

Acq: 02 Aug 2024 19:49

Instrument :

MSVOA_D

ClientSampleId :

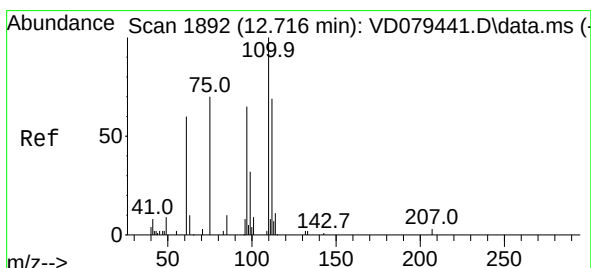
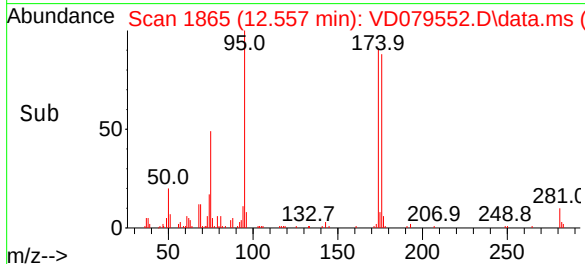
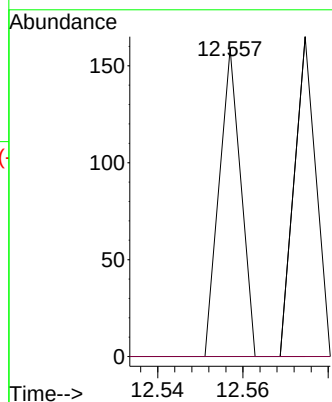
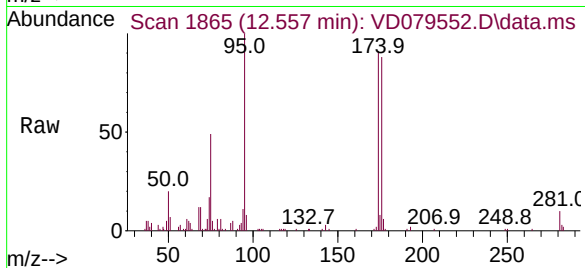
RBR251686

Tgt Ion:105 Resp: 56

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 45.571 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079552.D

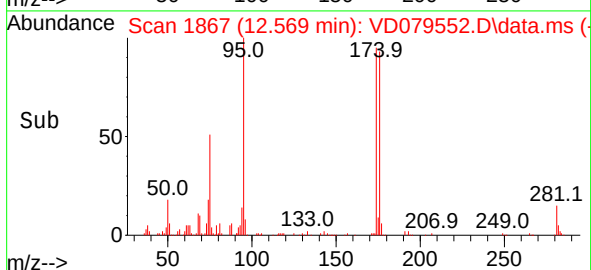
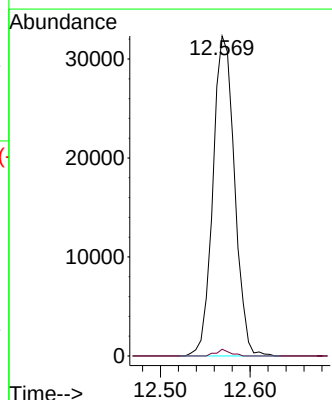
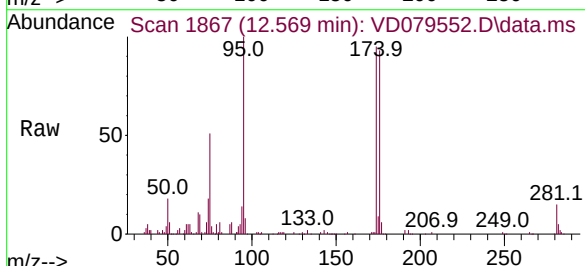
Acq: 02 Aug 2024 19:49

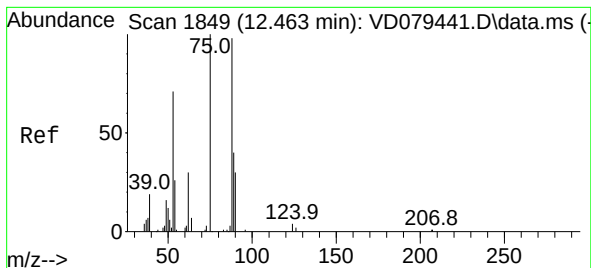
Tgt Ion: 75 Resp: 54079

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

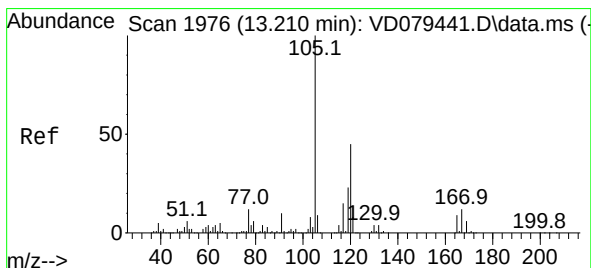
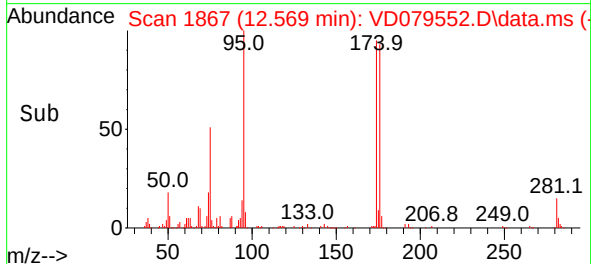
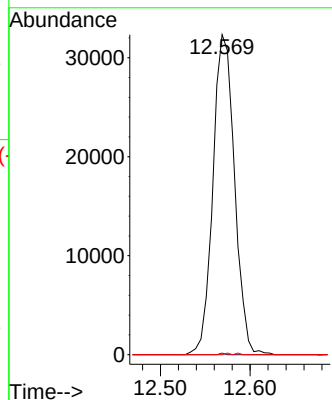
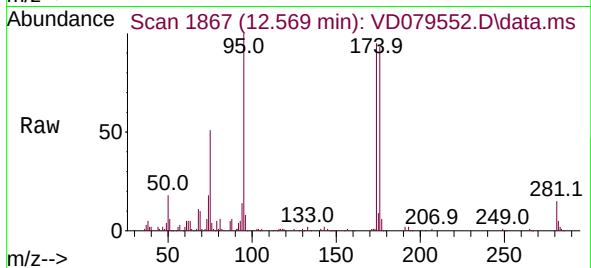




#81
trans-1,4-Dichloro-2-butene
Concen: 86.916 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079552.D
Acq: 02 Aug 2024 19:49

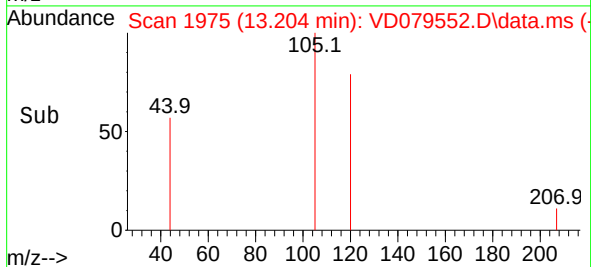
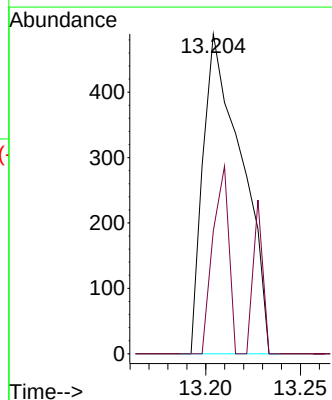
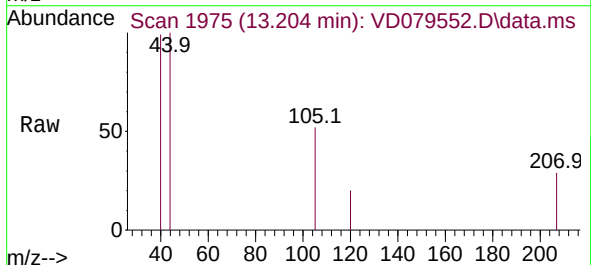
Instrument :
MSVOA_D
ClientSampleId :
RBR251686

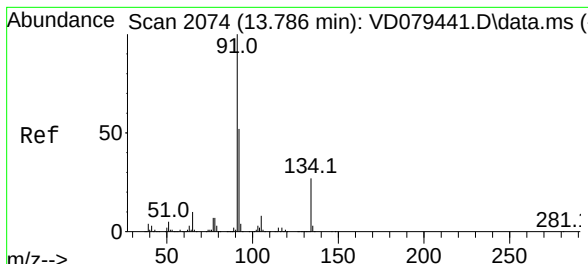
Tgt Ion: 75 Resp: 54079
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.2 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.504 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. -0.000 min
Lab File: VD079552.D
Acq: 02 Aug 2024 19:49

Tgt Ion:105 Resp: 692
Ion Ratio Lower Upper
105 100
120 24.3 23.6 71.0





#89
 n-Butylbenzene
 Concen: 3.788 ug/l
 RT: 13.792 min Scan# 2075
 Delta R.T. 0.011 min
 Lab File: VD079552.D
 Acq: 02 Aug 2024 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR251686

Tgt Ion:	91	Resp:	53
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

