

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077411.D
 Acq On : 25 Oct 2023 13:52
 Operator : JC/SY
 Sample : 05011-01RE
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200027RE

Quant Time: Oct 26 06:59:06 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)

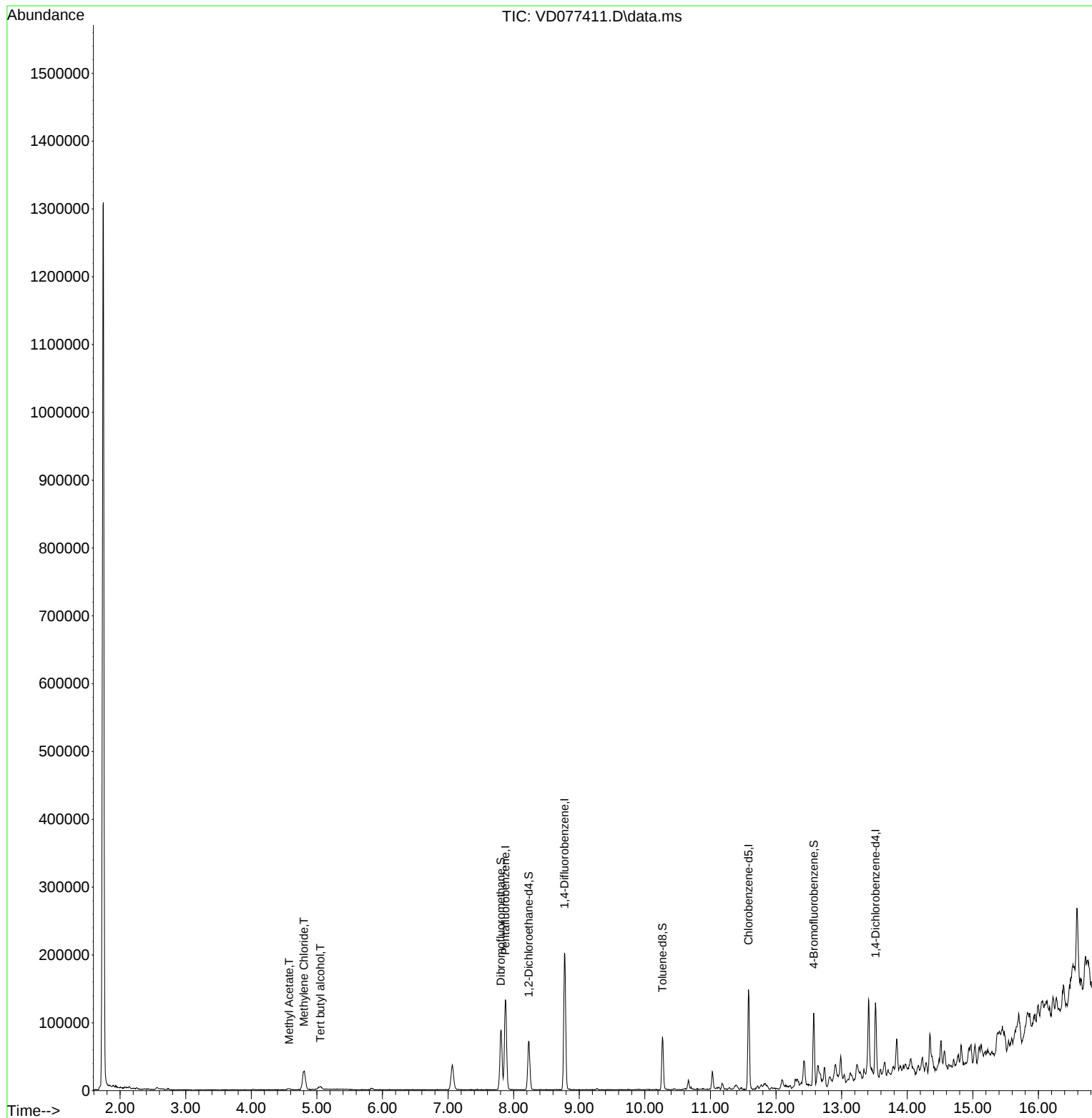
Internal Standards						
1) Pentafluorobenzene	7.875	168	109056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	197305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	91445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	32427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	57251	58.791	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.580%
35) Dibromofluoromethane	7.804	113	65153	47.003	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.000%
50) Toluene-d8	10.269	98	55088	11.097	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	22.200%#
62) 4-Bromofluorobenzene	12.575	95	27439	19.202	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	38.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.051	59	8478	154.764	ug/l #	94
18) Methyl Acetate	4.575	43	3850	5.180	ug/l	99
20) Methylene Chloride	4.804	84	23224	14.590	ug/l	90

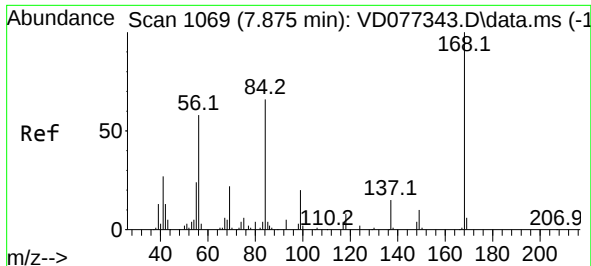
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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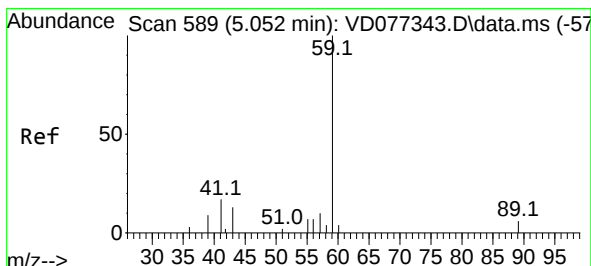
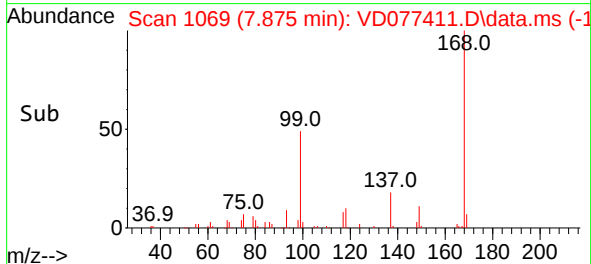
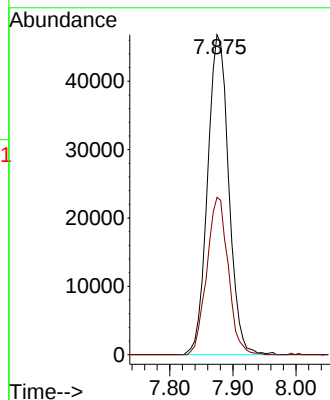
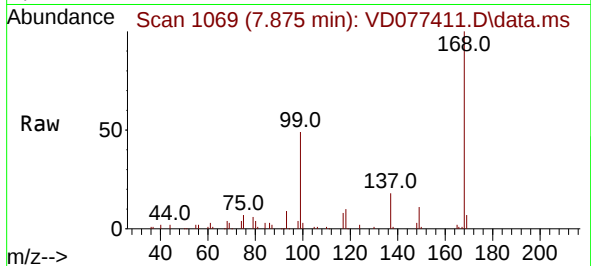




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

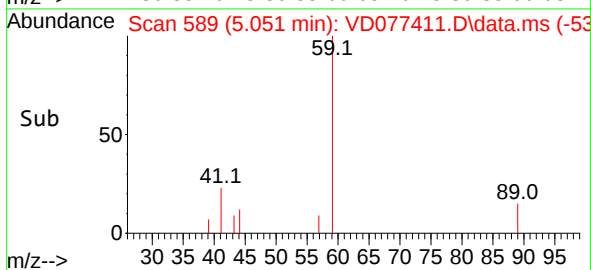
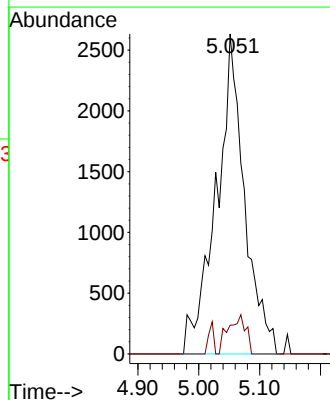
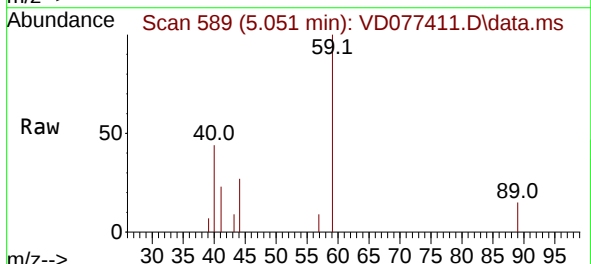
Instrument :
MSVOA_D
ClientSampleId :
RBR-200027RE

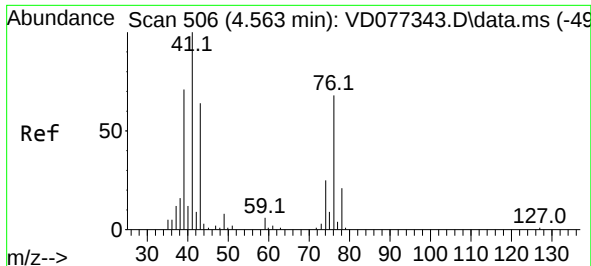
Tgt Ion:168 Resp: 109056
Ion Ratio Lower Upper
168 100
99 49.1 36.7 55.1



#11
Tert butyl alcohol
Concen: 154.764 ug/l
RT: 5.051 min Scan# 589
Delta R.T. -0.001 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

Tgt Ion: 59 Resp: 8478
Ion Ratio Lower Upper
59 100
57 7.7 7.8 11.8#

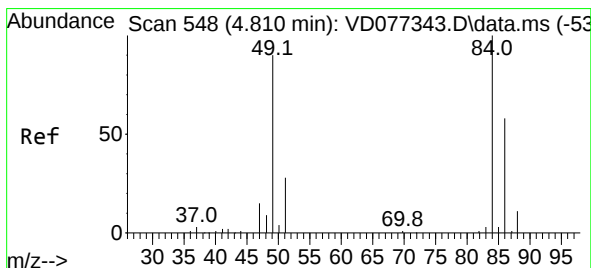
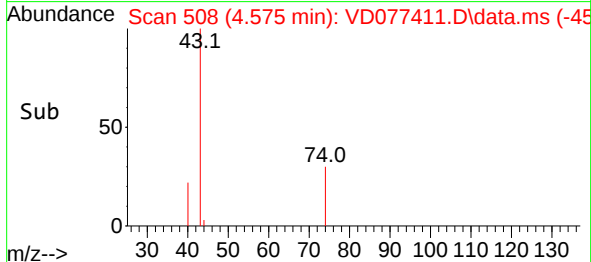
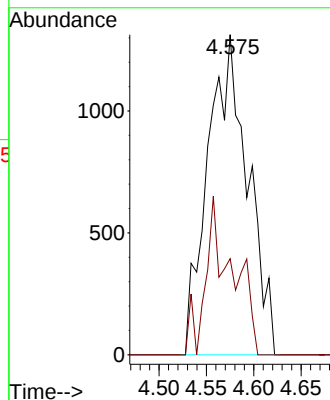
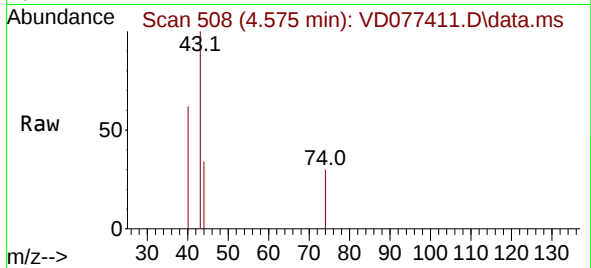




#18
Methyl Acetate
Concen: 5.180 ug/l
RT: 4.575 min Scan# 50
Delta R.T. 0.012 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

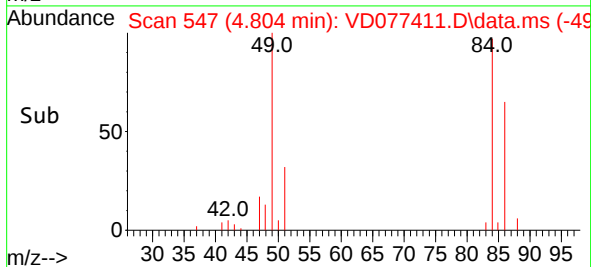
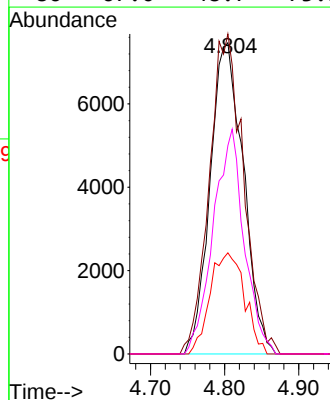
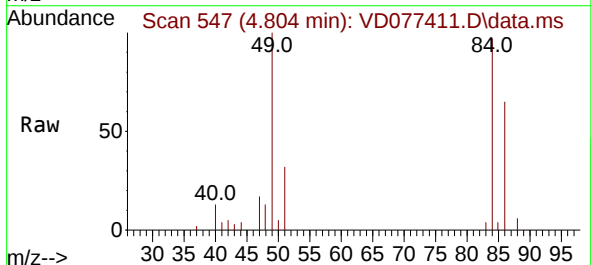
Instrument :
MSVOA_D
ClientSampleId :
RBR-200027RE

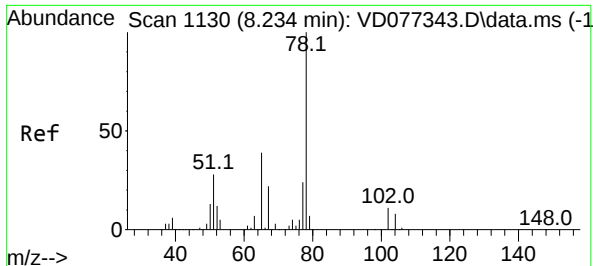
Tgt Ion: 43 Resp: 3850
Ion Ratio Lower Upper
43 100
74 33.7 26.4 39.6



#20
Methylene Chloride
Concen: 14.590 ug/l
RT: 4.804 min Scan# 547
Delta R.T. -0.006 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

Tgt Ion: 84 Resp: 23224
Ion Ratio Lower Upper
84 100
49 102.8 71.4 107.2
51 32.5 24.5 36.7
86 67.0 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 58.791 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD077411.D

Acq: 25 Oct 2023 13:52

Instrument :

MSVOA_D

ClientSampleId :

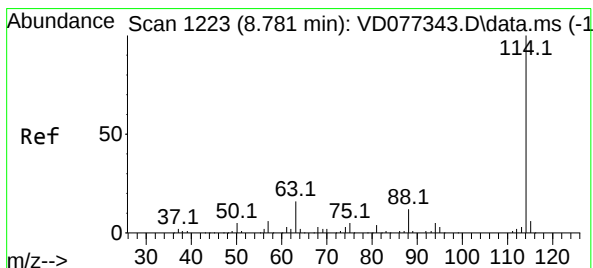
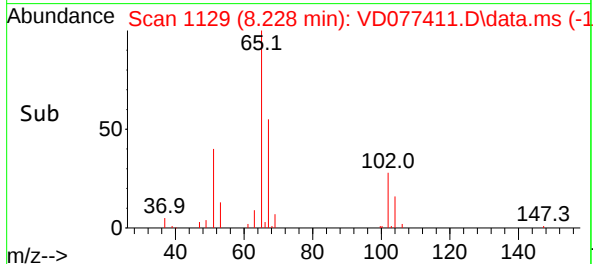
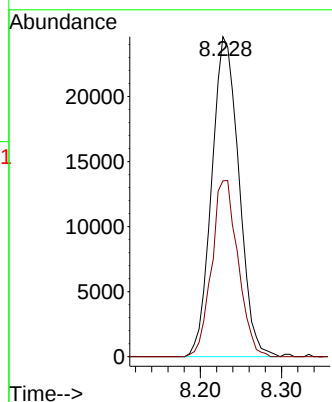
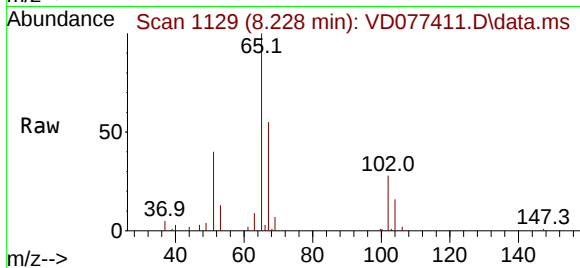
RBR-200027RE

Tgt Ion: 65 Resp: 57251

Ion Ratio Lower Upper

65 100

67 53.3 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD077411.D

Acq: 25 Oct 2023 13:52

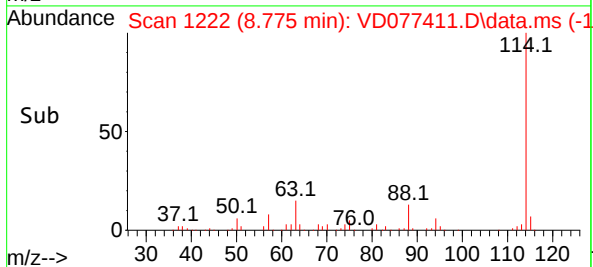
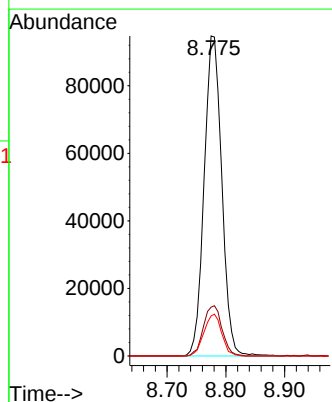
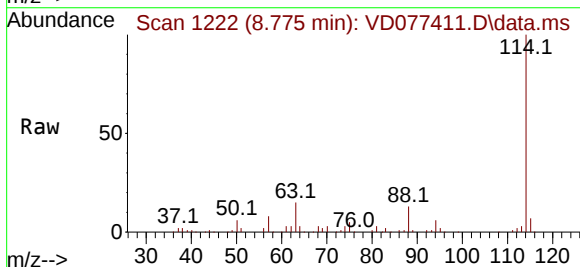
Tgt Ion: 114 Resp: 197305

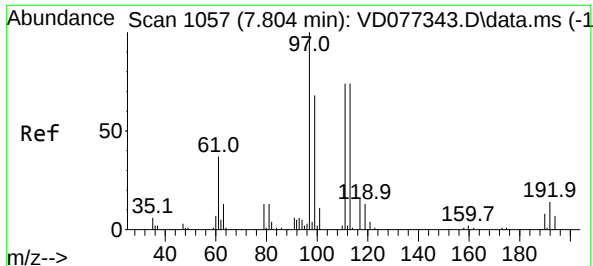
Ion Ratio Lower Upper

114 100

63 15.3 0.0 33.4

88 12.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 47.003 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077411.D

Acq: 25 Oct 2023 13:52

Instrument :

MSVOA_D

ClientSampleId :

RBR-200027RE

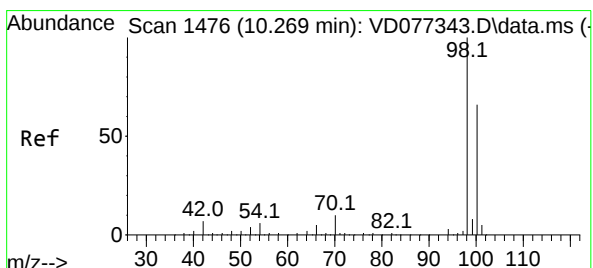
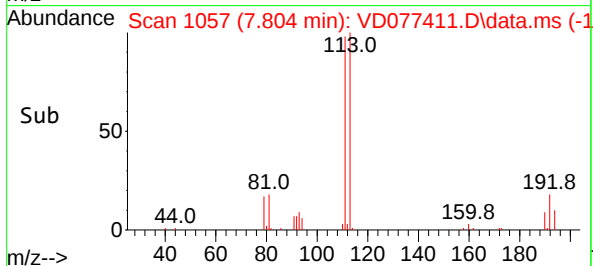
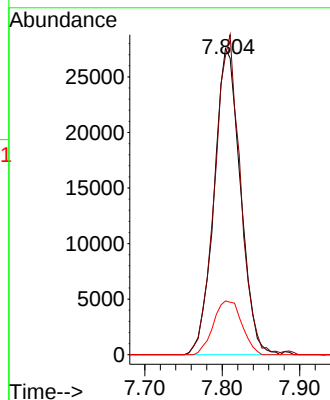
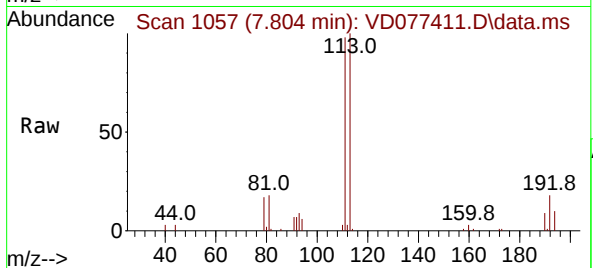
Tgt Ion:113 Resp: 65153

Ion Ratio Lower Upper

113 100

111 101.3 84.7 127.1

192 18.9 16.8 25.2



#50

Toluene-d8

Concen: 11.097 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD077411.D

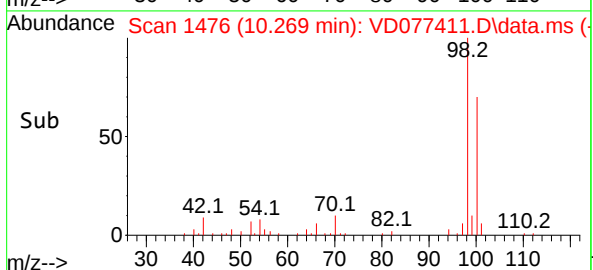
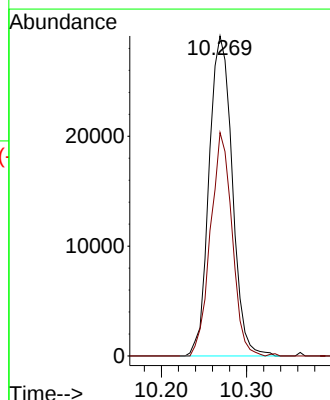
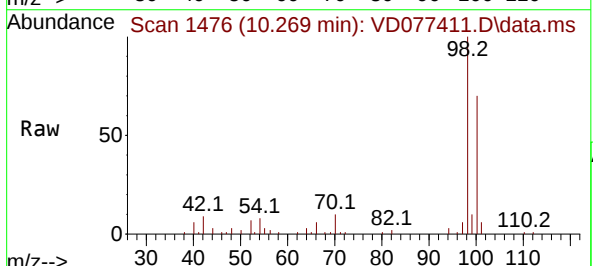
Acq: 25 Oct 2023 13:52

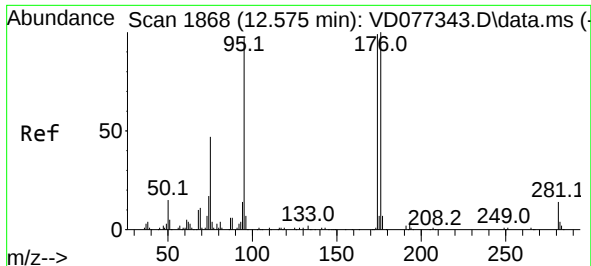
Tgt Ion: 98 Resp: 55088

Ion Ratio Lower Upper

98 100

100 65.0 50.3 75.5

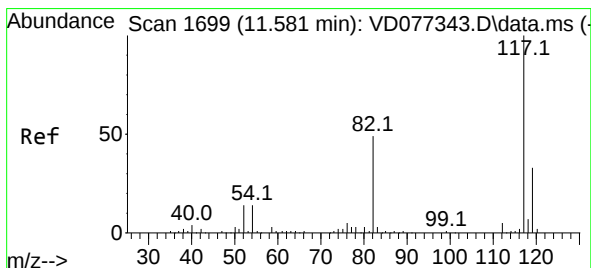
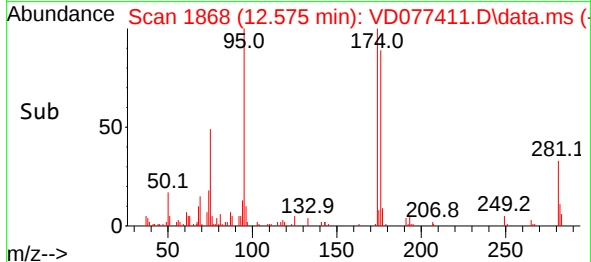
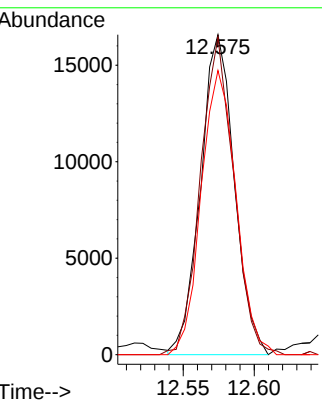
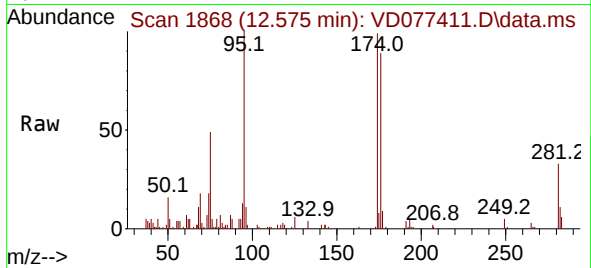




#62
4-Bromofluorobenzene
Concen: 19.202 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

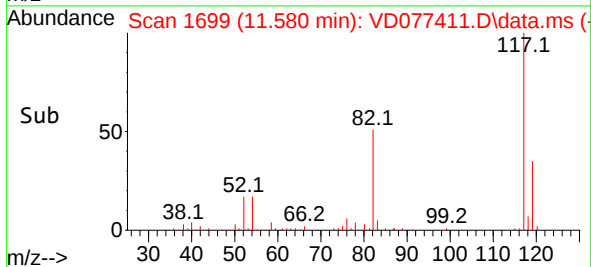
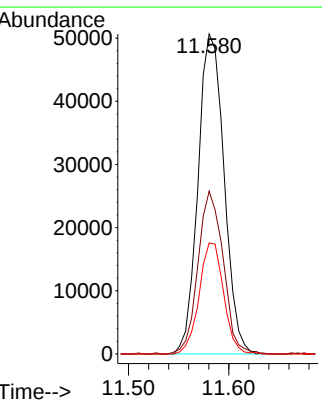
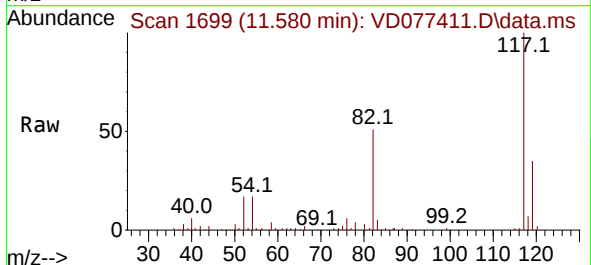
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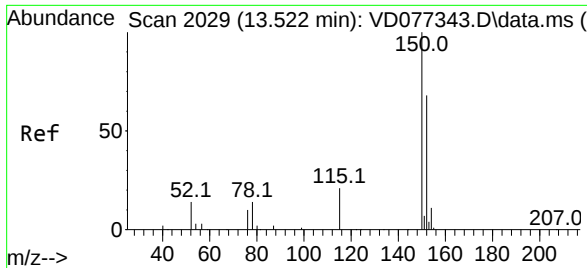
Tgt Ion: 95 Resp: 27439
Ion Ratio Lower Upper
95 100
174 97.7 0.0 201.8
176 91.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.001 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

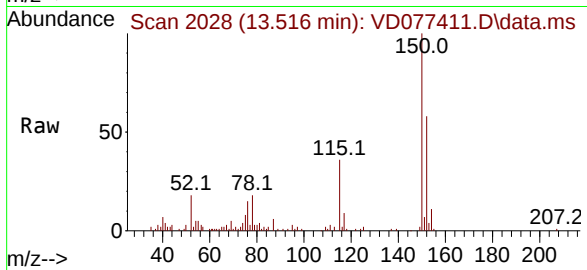
Tgt Ion: 117 Resp: 91445
Ion Ratio Lower Upper
117 100
82 50.9 38.3 57.5
119 34.7 25.0 37.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD077411.D
 Acq: 25 Oct 2023 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200027RE



Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.1	81.3
150	155.0	0.0	353.6

