

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077413.D
 Acq On : 25 Oct 2023 14:46
 Operator : JC/SY
 Sample : 05011-05RE
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-24313RE

Quant Time: Oct 26 06:59:56 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)

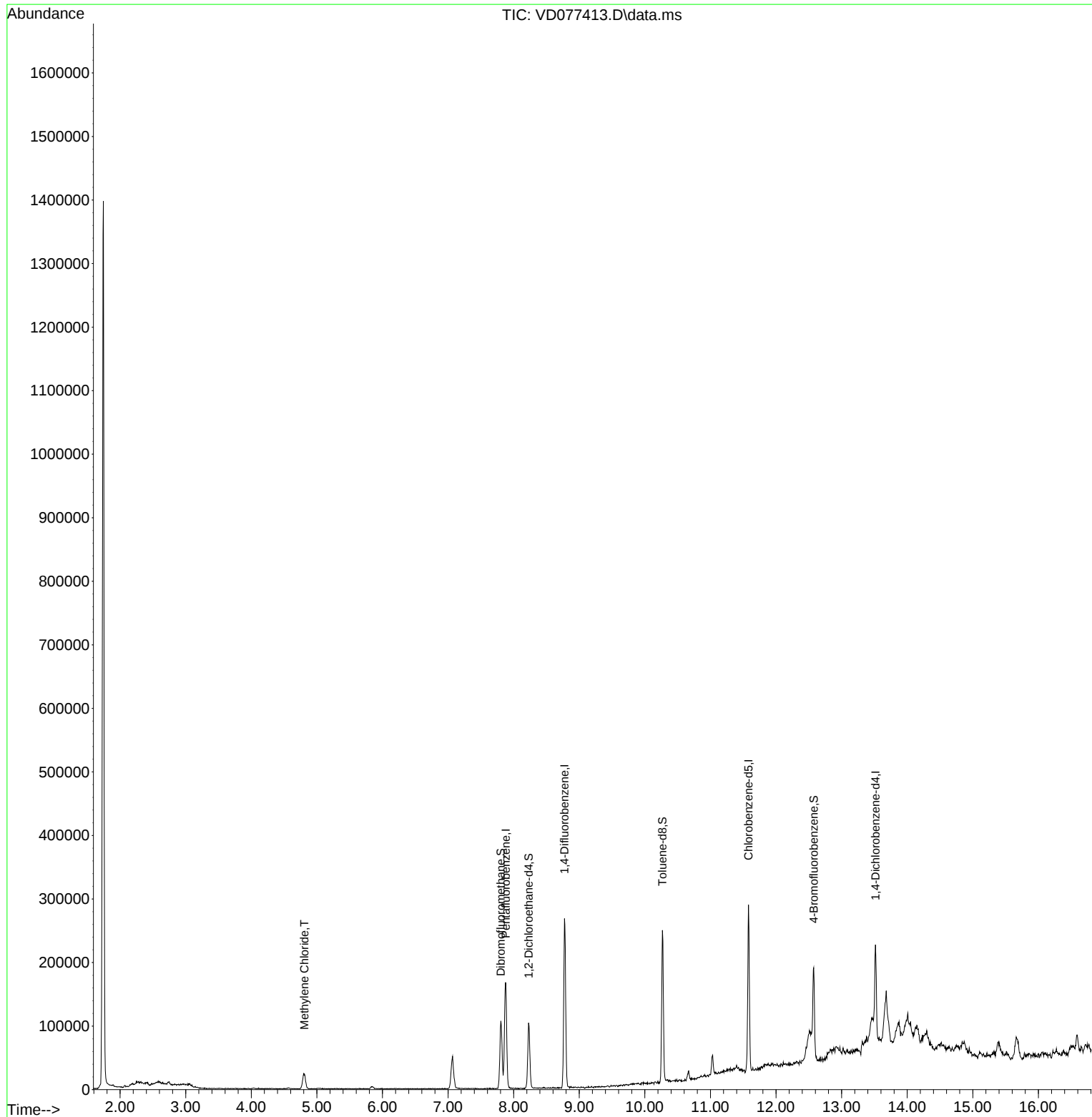
Internal Standards						
1) Pentafluorobenzene	7.881	168	145207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	261796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	162496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	43838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76061	58.661	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.320%
35) Dibromofluoromethane	7.804	113	77631	42.208	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.420%
50) Toluene-d8	10.269	98	173812	26.388	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	52.780%#
62) 4-Bromofluorobenzene	12.575	95	40618	21.422	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	42.840%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.810	84	21776	8.715	ug/l	96

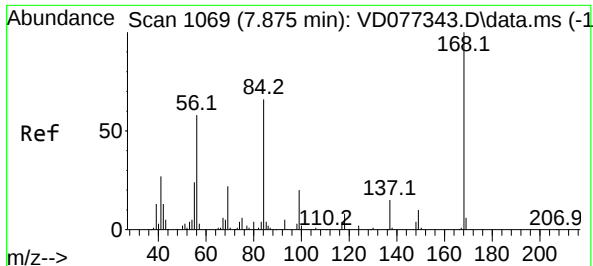
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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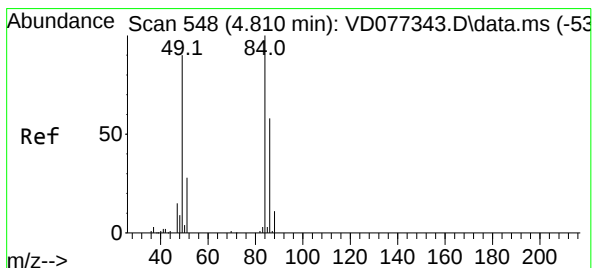
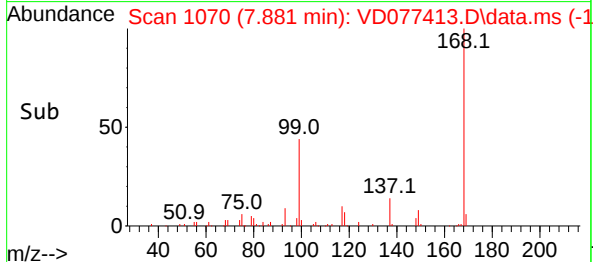
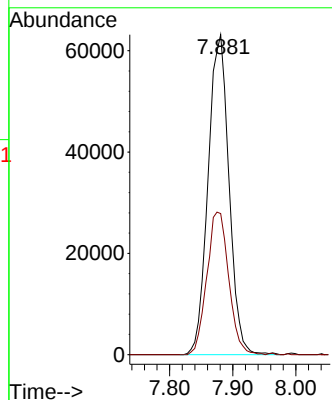
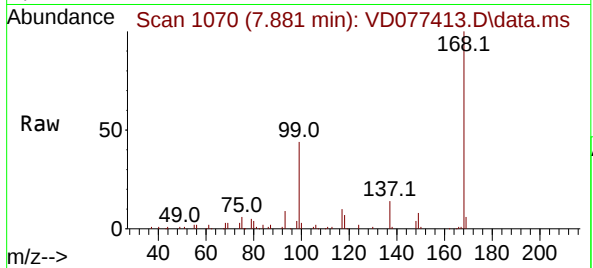




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

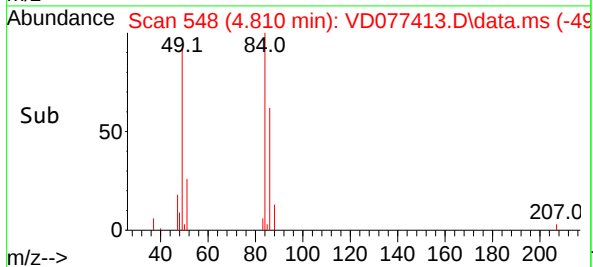
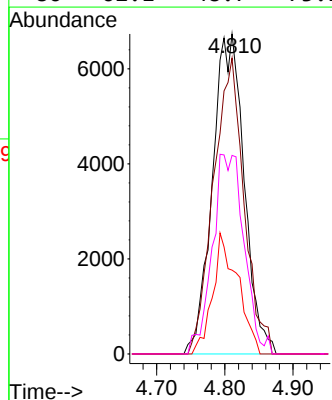
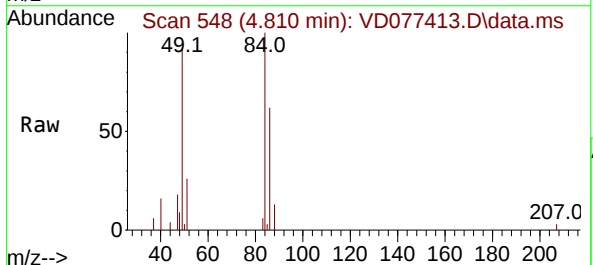
Instrument :
MSVOA_D
ClientSampleId :
RBR-24313RE

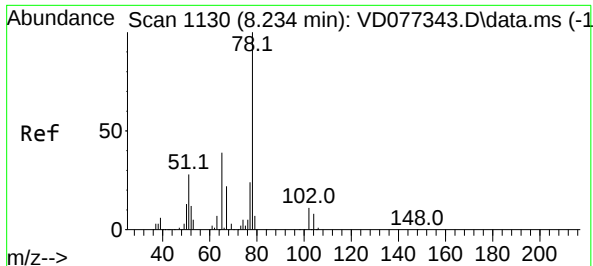
Tgt Ion:168 Resp: 145207
Ion Ratio Lower Upper
168 100
99 44.1 36.7 55.1



#20
Methylene Chloride
Concen: 8.715 ug/l
RT: 4.810 min Scan# 548
Delta R.T. 0.000 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

Tgt Ion: 84 Resp: 21776
Ion Ratio Lower Upper
84 100
49 92.5 71.4 107.2
51 26.2 24.5 36.7
86 62.1 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 58.661 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD077413.D

Acq: 25 Oct 2023 14:46

Instrument :

MSVOA_D

ClientSampleId :

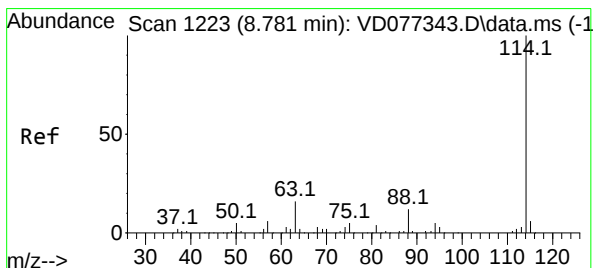
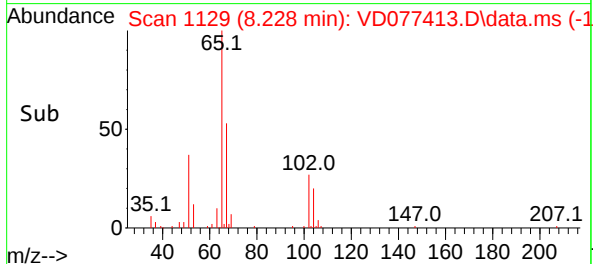
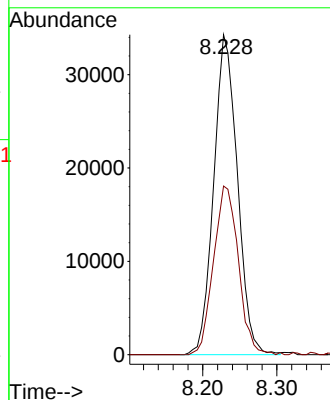
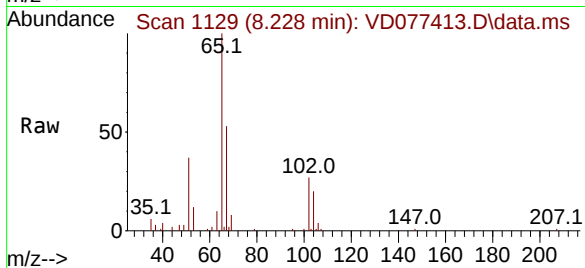
RBR-24313RE

Tgt Ion: 65 Resp: 76061

Ion Ratio Lower Upper

65 100

67 55.3 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: VD077413.D

Acq: 25 Oct 2023 14:46

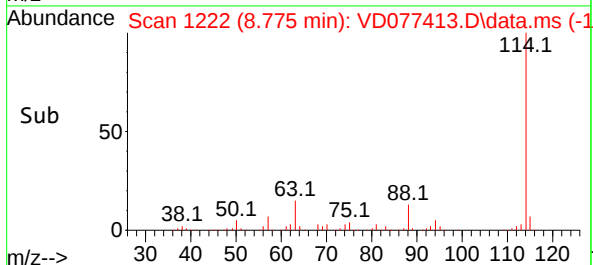
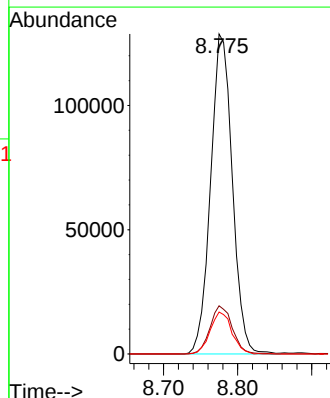
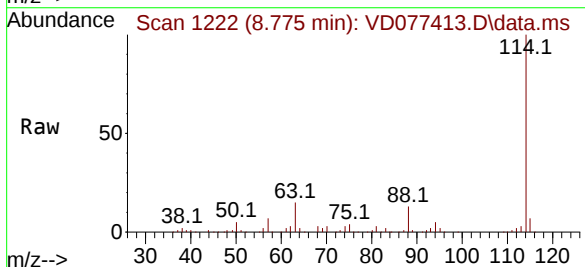
Tgt Ion: 114 Resp: 261796

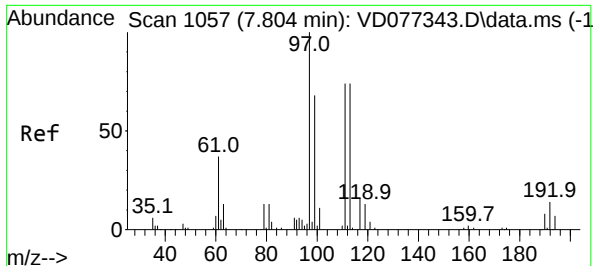
Ion Ratio Lower Upper

114 100

63 15.1 0.0 33.4

88 13.1 0.0 26.2





#35

Dibromofluoromethane

Concen: 42.208 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077413.D

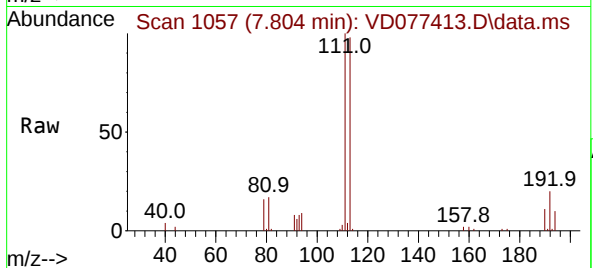
Acq: 25 Oct 2023 14:46

Instrument :

MSVOA_D

ClientSampleId :

RBR-24313RE



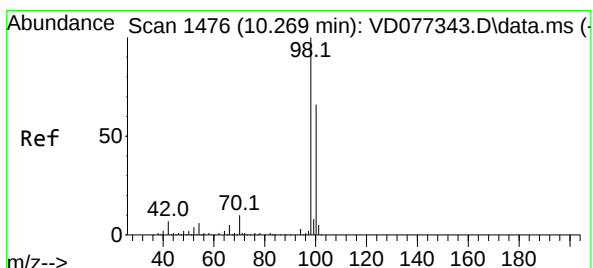
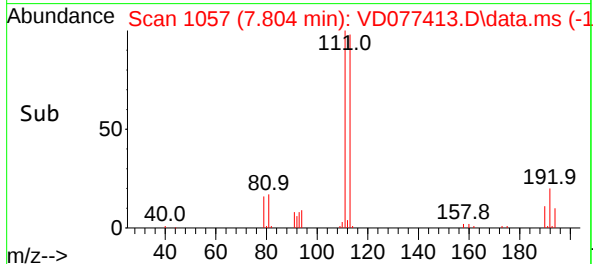
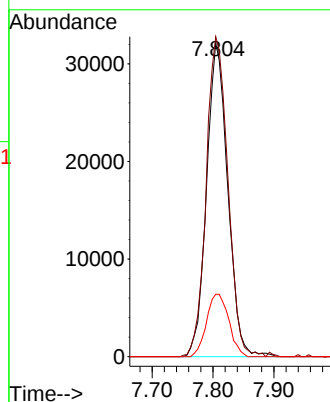
Tgt Ion:113 Resp: 77631

Ion Ratio Lower Upper

113 100

111 104.3 84.7 127.1

192 20.9 16.8 25.2



#50

Toluene-d8

Concen: 26.388 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077413.D

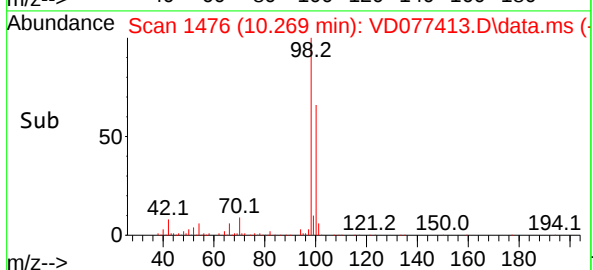
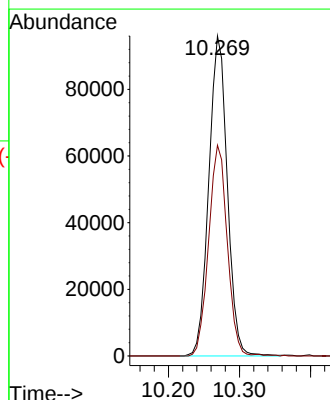
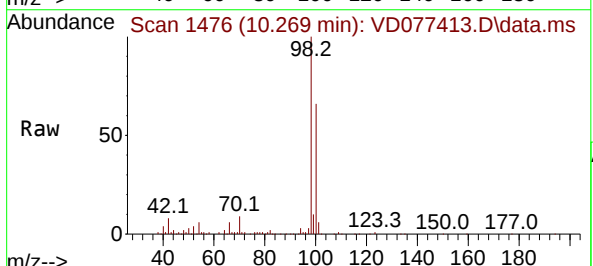
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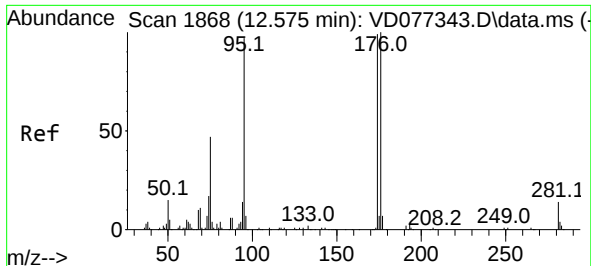
Tgt Ion: 98 Resp: 173812

Ion Ratio Lower Upper

98 100

100 66.4 50.3 75.5

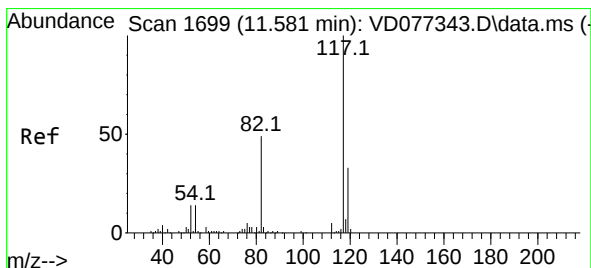
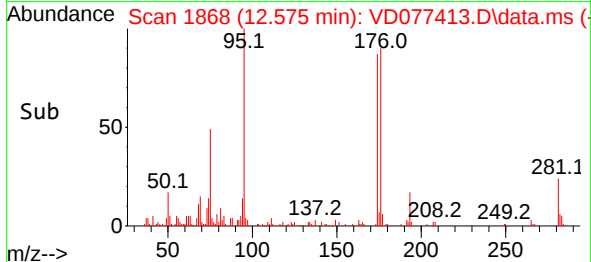
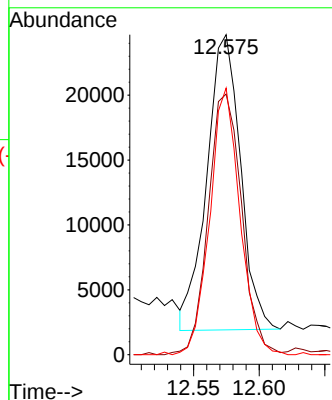
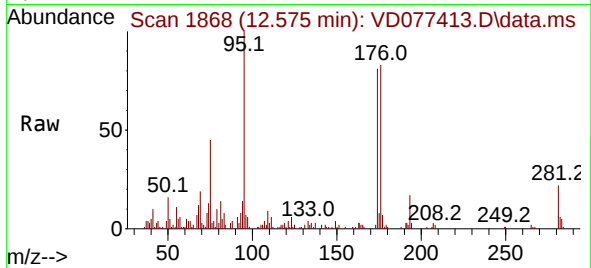




#62
4-Bromofluorobenzene
Concen: 21.422 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

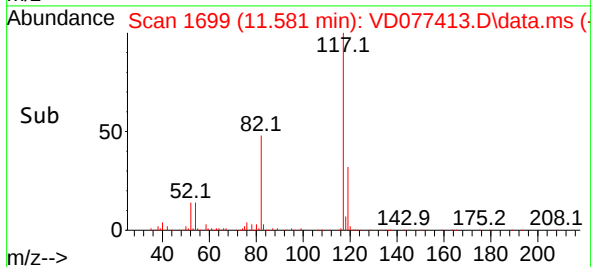
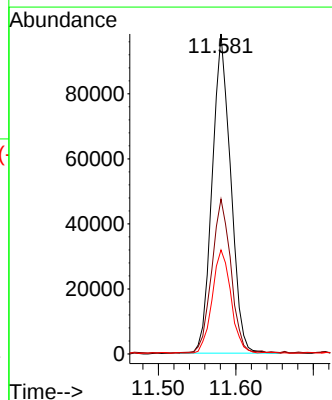
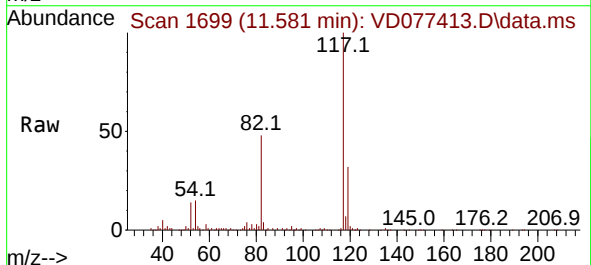
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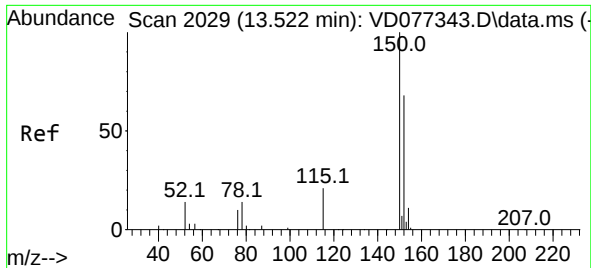
Tgt Ion:	95	Resp:	40618
Ion Ratio	Lower	Upper	
95	100		
174	87.6	0.0	201.8
176	80.8	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

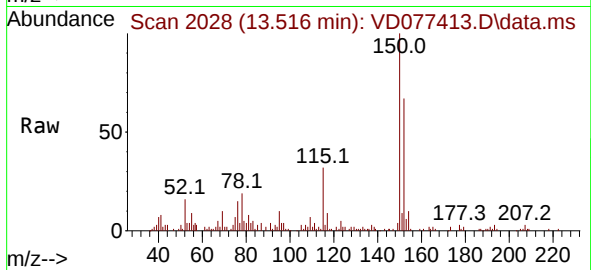
Tgt Ion:	117	Resp:	162496
Ion Ratio	Lower	Upper	
117	100		
82	48.1	38.3	57.5
119	32.3	25.0	37.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD077413.D
 Acq: 25 Oct 2023 14:46

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-24313RE



Tgt Ion:152 Resp: 43838
 Ion Ratio Lower Upper
 152 100
 115 53.2 27.1 81.3
 150 148.9 0.0 353.6

