

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030823\
 Data File : VD075472.D
 Acq On : 08 Mar 2023 16:32
 Operator : KP/SY
 Sample : 01833-07
 Misc : 5.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 11

Quant Time: Mar 09 02:16:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 08 12:19:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	5455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	10396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	13087	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	5846	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.240	65	4078	124.963	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	249.920%#
35) Dibromofluoromethane	7.798	113	2343	38.895	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	77.780%
50) Toluene-d8	10.275	98	13603	62.363	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	124.720%
62) 4-Bromofluorobenzene	12.575	95	4719	71.542	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	143.080%

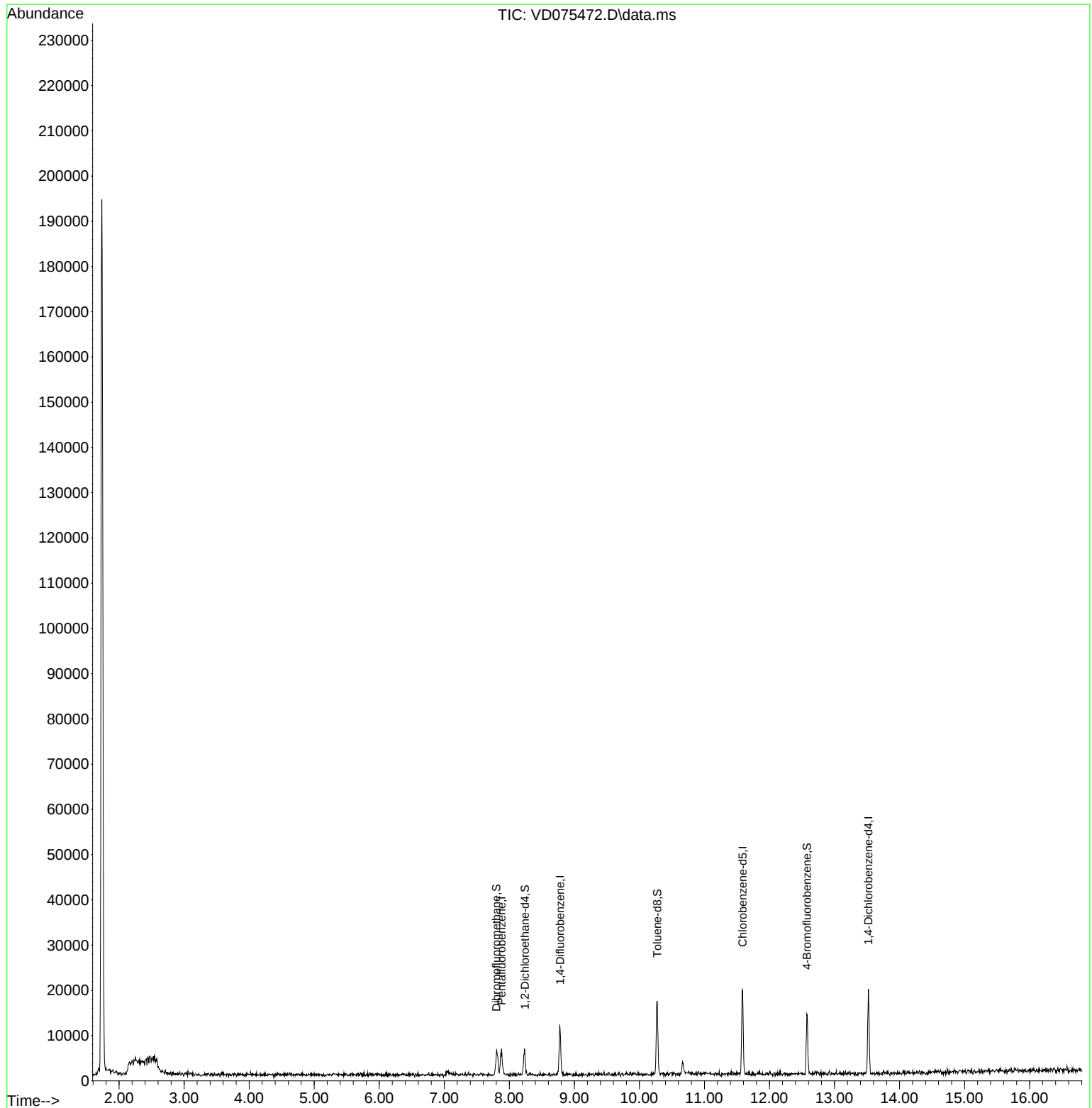
Target Compounds	Qvalue

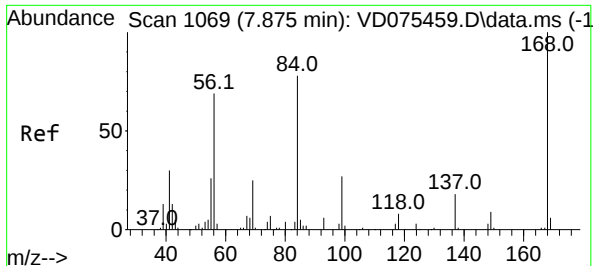
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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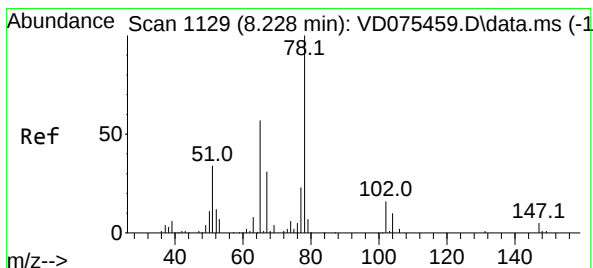
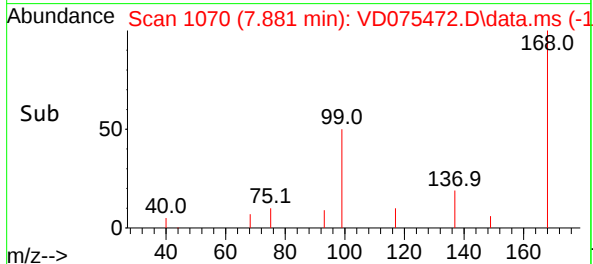
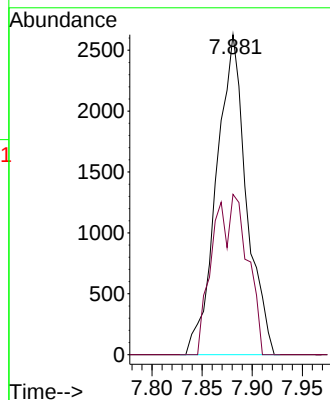
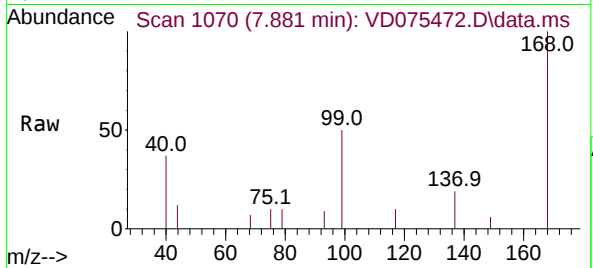




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075472.D
Acq: 08 Mar 2023 16:32

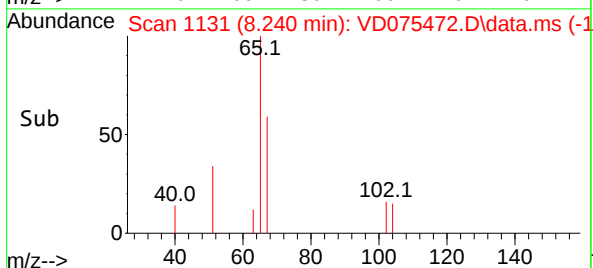
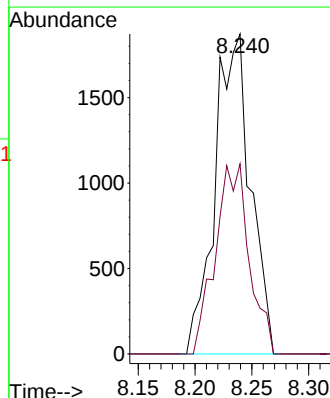
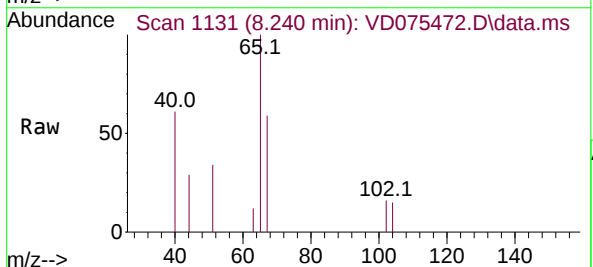
Instrument :
MSVOA_D
ClientSampleId :
11

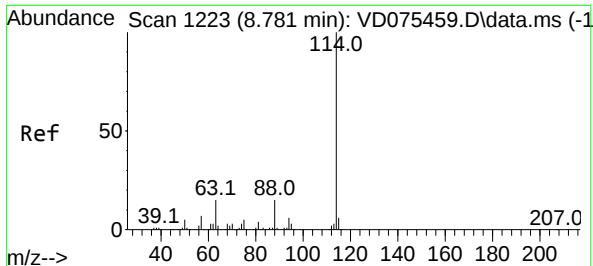
Tgt Ion:168 Resp: 5455
Ion Ratio Lower Upper
168 100
99 50.1 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 124.963 ug/l
RT: 8.240 min Scan# 1131
Delta R.T. 0.012 min
Lab File: VD075472.D
Acq: 08 Mar 2023 16:32

Tgt Ion: 65 Resp: 4078
Ion Ratio Lower Upper
65 100
67 56.5 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075472.D

Acq: 08 Mar 2023 16:32

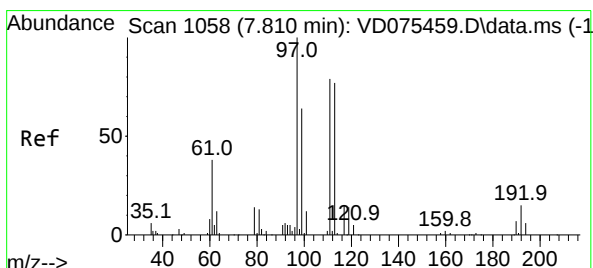
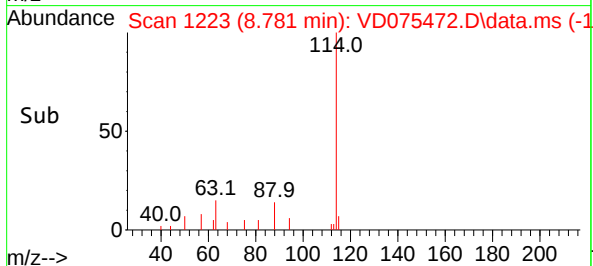
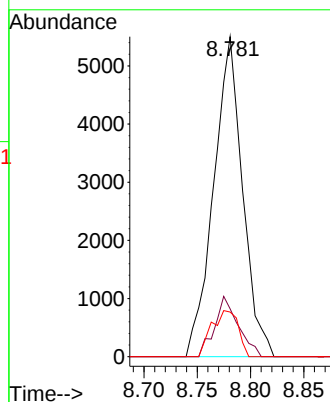
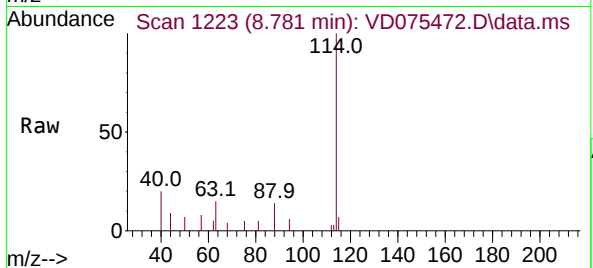
Instrument :

MSVOA_D

ClientSampleId :

11

Tgt Ion:114	Resp:	10396
Ion	Ratio	Lower Upper
114	100	
63	14.9	0.0 41.6
88	14.0	0.0 30.6



#35

Dibromofluoromethane

Concen: 38.895 ug/l

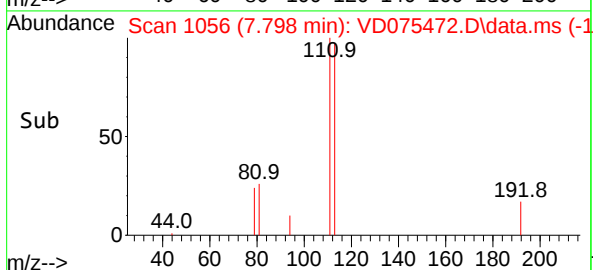
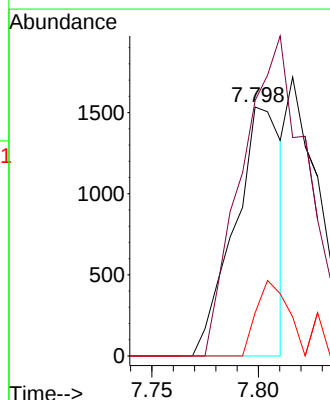
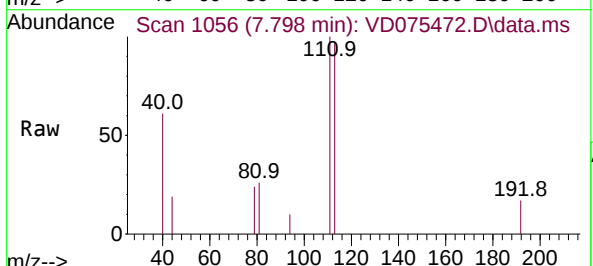
RT: 7.798 min Scan# 1056

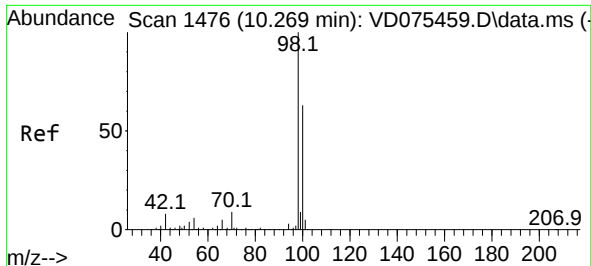
Delta R.T. -0.012 min

Lab File: VD075472.D

Acq: 08 Mar 2023 16:32

Tgt Ion:113	Resp:	2343
Ion	Ratio	Lower Upper
113	100	
111	180.1	81.4 122.0#
192	24.5	15.2 22.8#

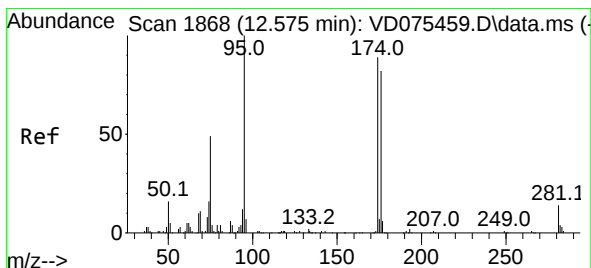
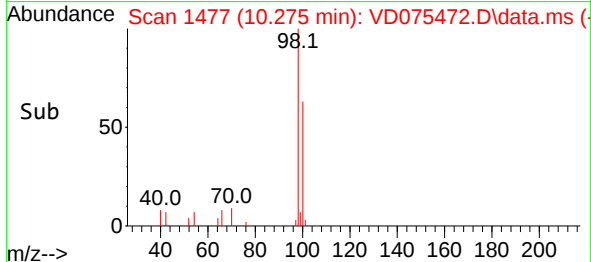
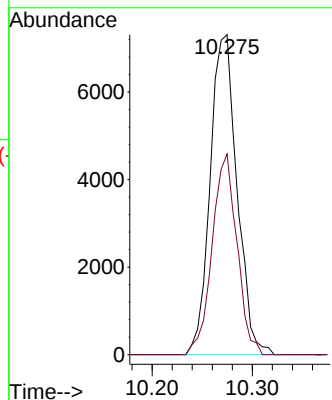
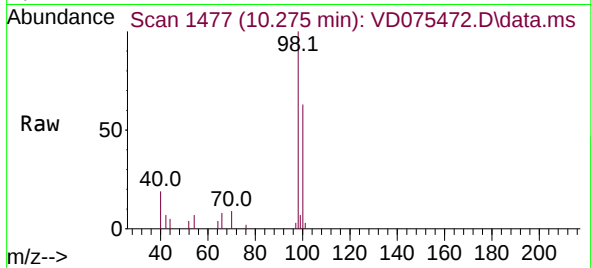




#50
Toluene-d8
Concen: 62.363 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD075472.D
Acq: 08 Mar 2023 16:32

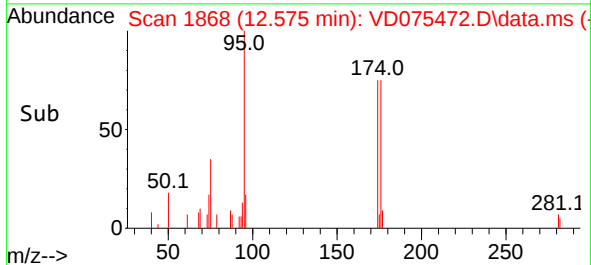
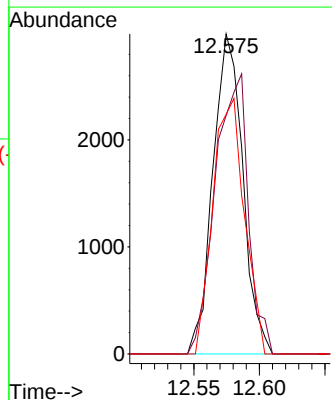
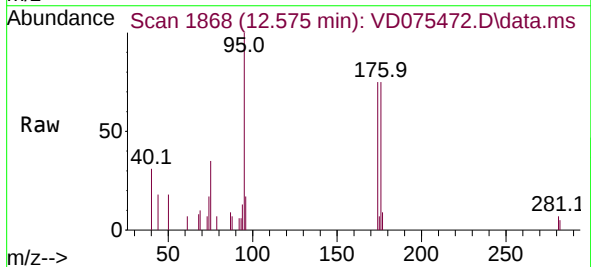
Instrument :
MSVOA_D
ClientSampleId :
11

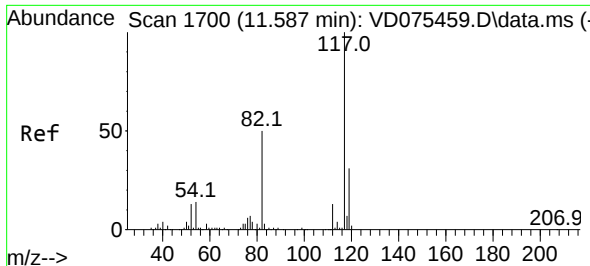
Tgt Ion: 98 Resp: 13603
Ion Ratio Lower Upper
98 100
100 57.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 71.542 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075472.D
Acq: 08 Mar 2023 16:32

Tgt Ion: 95 Resp: 4719
Ion Ratio Lower Upper
95 100
174 96.8 0.0 164.0
176 84.7 0.0 156.8

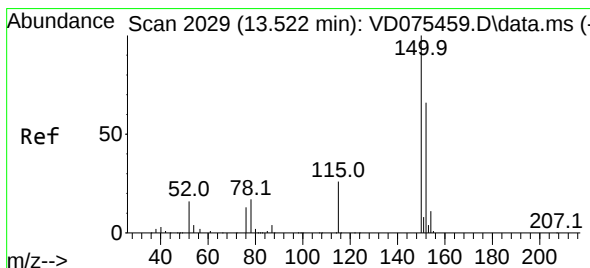
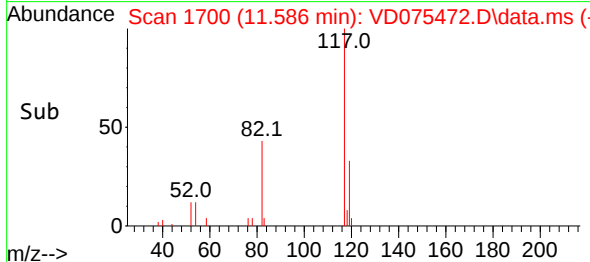
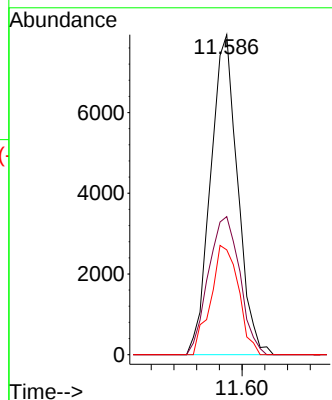
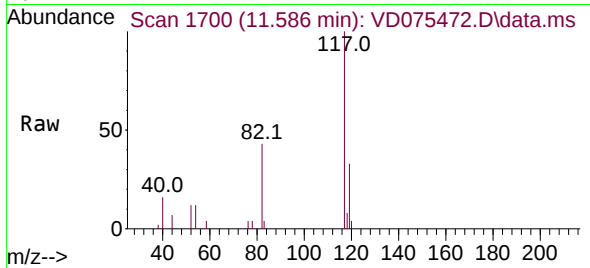




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD075472.D
Acq: 08 Mar 2023 16:32

Instrument :
MSVOA_D
ClientSampleId :
11

Tgt Ion:117 Resp: 13087
Ion Ratio Lower Upper
117 100
82 43.1 44.0 66.0#
119 32.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075472.D
Acq: 08 Mar 2023 16:32

Tgt Ion:152 Resp: 5846
Ion Ratio Lower Upper
152 100
115 61.3 30.1 90.3
150 152.1 0.0 364.8

