

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080924\
 Data File : VD079697.D
 Acq On : 09 Aug 2024 17:04
 Operator : RP/MD
 Sample : P3509-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 02:12:28 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)

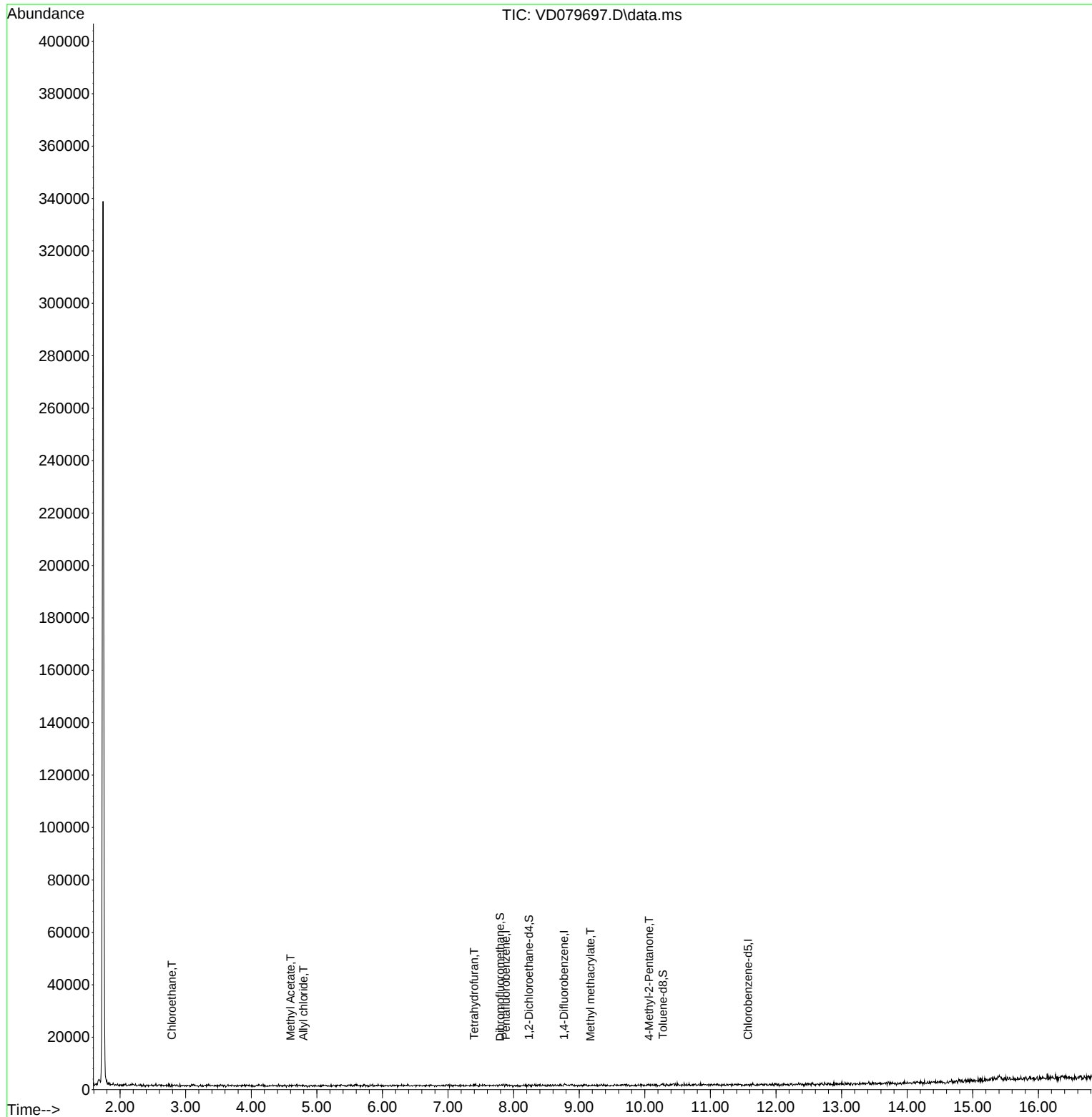
Internal Standards						
1) Pentafluorobenzene	7.881	168	393	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.769	114	1095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	79	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.51
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	201	50.344	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.680%	
35) Dibromofluoromethane	7.793	113	236	31.843	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 63.680%	
50) Toluene-d8	10.275	98	544	18.901	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 37.800%#	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	30 - 143	Recovery	= 0.000%#	
Target Compounds						
					Qvalue	
6) Chloroethane	2.787	64	60	13.841	ug/l #	44
14) Allyl chloride	4.793	41	60	10.700	ug/l #	17
18) Methyl Acetate	4.599	43	83	34.454	ug/l #	40
29) Tetrahydrofuran	7.399	42	56	82.145	ug/l #	21
48) Methyl methacrylate	9.169	41	54	15.480	ug/l #	2
51) 4-Methyl-2-Pentanone	10.063	43	74	18.594	ug/l #	31

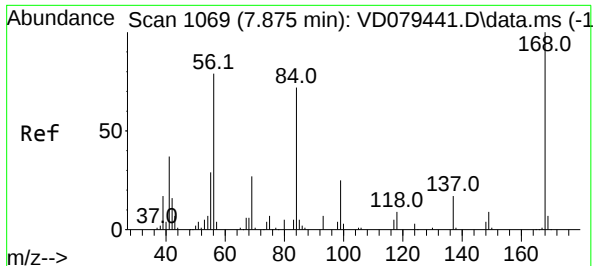
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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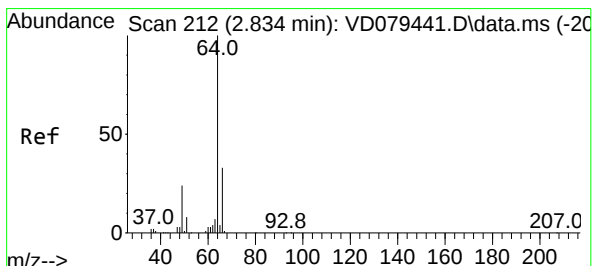
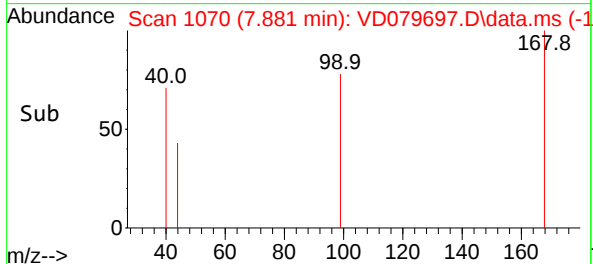
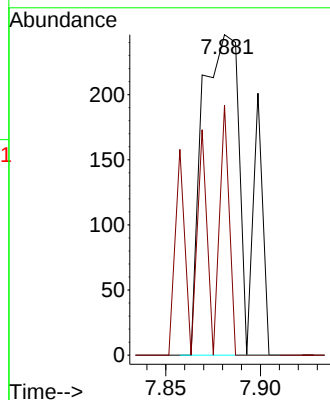
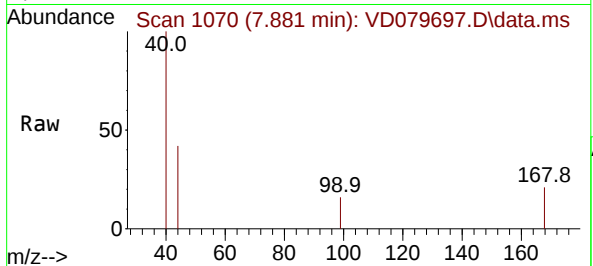




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD079697.D
Acq: 09 Aug 2024 17:04

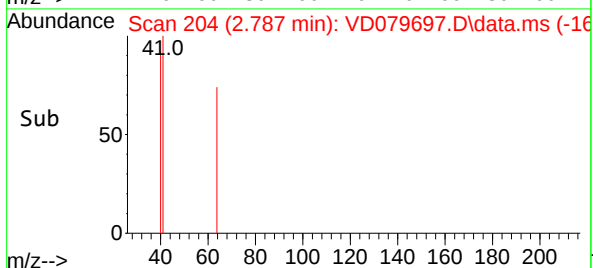
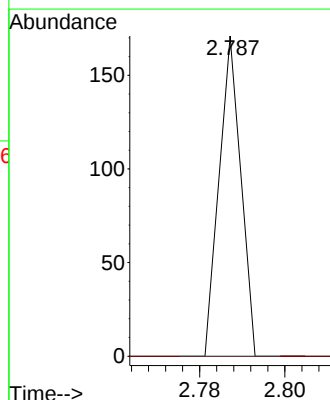
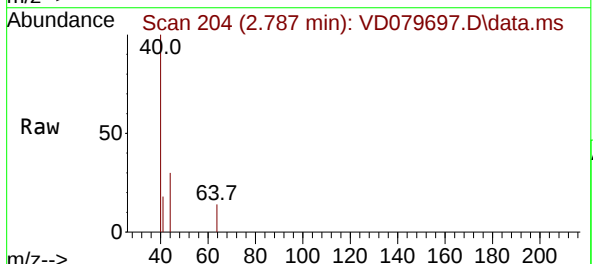
Instrument :
MSVOA_D
ClientSampleId :

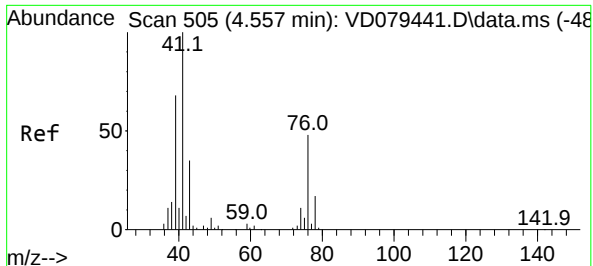
Tgt Ion:168 Resp: 393
Ion Ratio Lower Upper
168 100
99 78.0 41.1 61.7#



#6
Chloroethane
Concen: 13.841 ug/l
RT: 2.787 min Scan# 204
Delta R.T. -0.041 min
Lab File: VD079697.D
Acq: 09 Aug 2024 17:04

Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 24.5 36.7#





#14

Allyl chloride

Concen: 10.700 ug/l

RT: 4.793 min Scan# 54

Delta R.T. 0.241 min

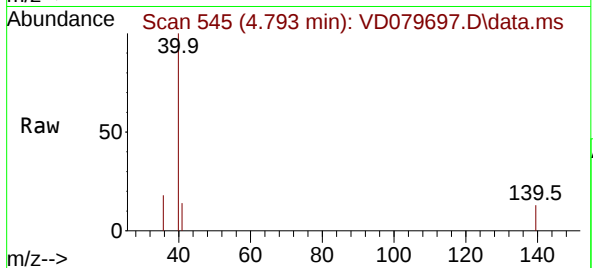
Lab File: VD079697.D

Acq: 09 Aug 2024 17:04

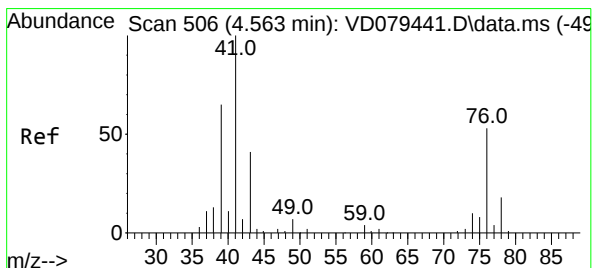
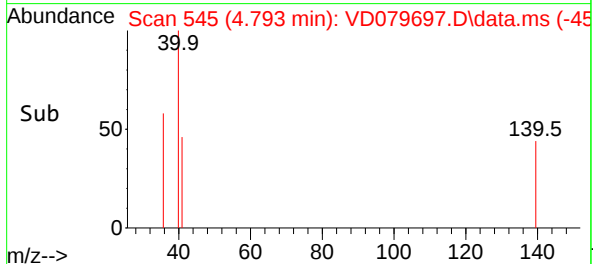
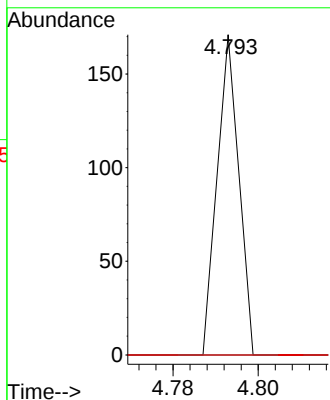
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	41	Resp:	60
Ion	Ratio	Lower	Upper
41	100		
39	0.0	58.0	87.0#
76	0.0	45.9	68.9#



#18

Methyl Acetate

Concen: 34.454 ug/l

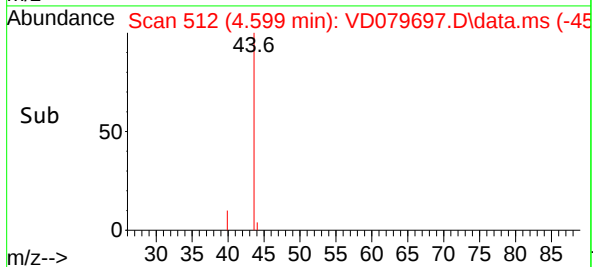
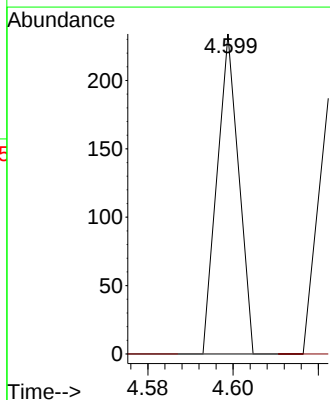
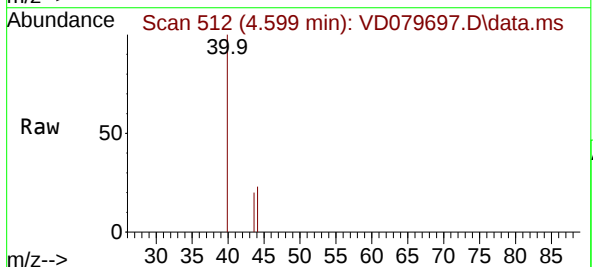
RT: 4.599 min Scan# 512

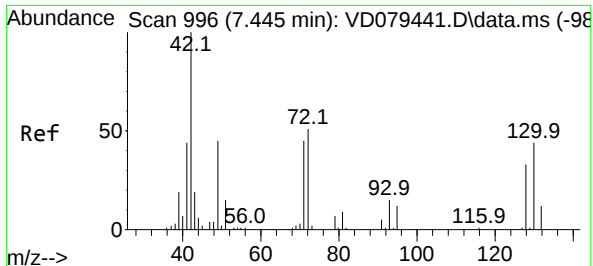
Delta R.T. 0.029 min

Lab File: VD079697.D

Acq: 09 Aug 2024 17:04

Tgt Ion:	43	Resp:	83
Ion	Ratio	Lower	Upper
43	100		
74	0.0	28.1	42.1#





#29

Tetrahydrofuran

Concen: 82.145 ug/l

RT: 7.399 min Scan# 91

Delta R.T. -0.047 min

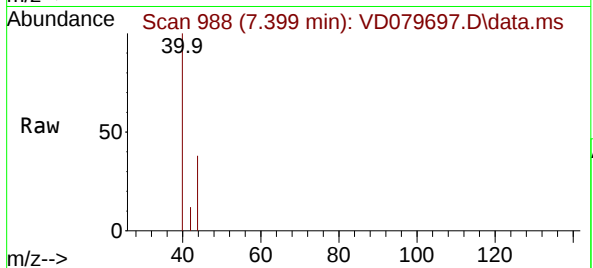
Lab File: VD079697.D

Acq: 09 Aug 2024 17:04

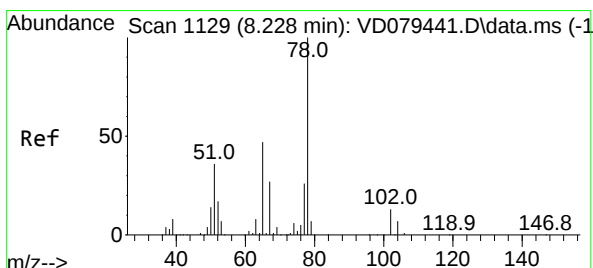
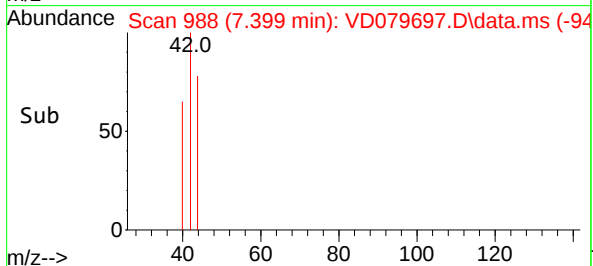
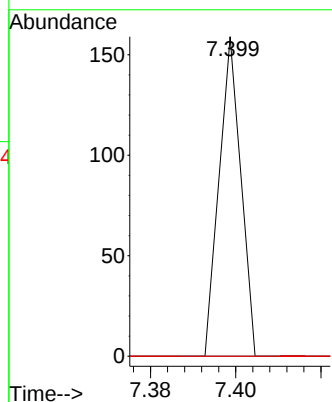
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	56
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.4	74.0#
71	0.0	45.0	67.6#



#33

1,2-Dichloroethane-d4

Concen: 50.344 ug/l

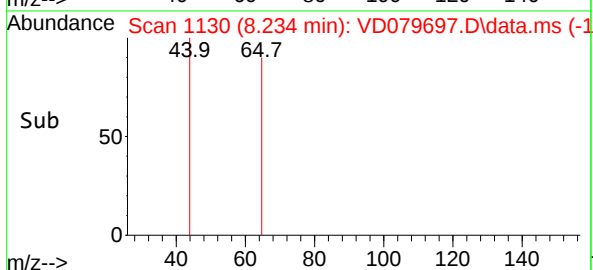
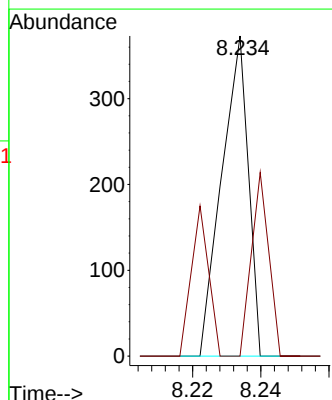
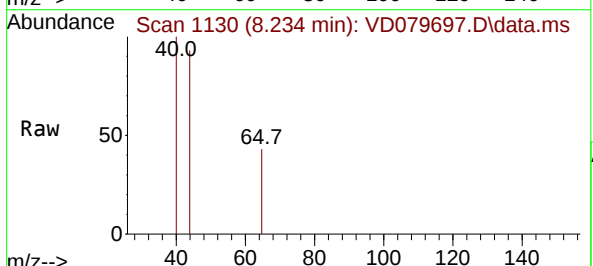
RT: 8.234 min Scan# 1130

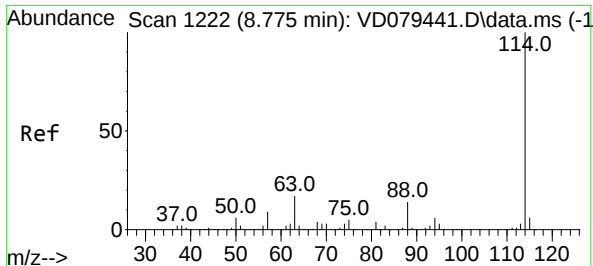
Delta R.T. 0.006 min

Lab File: VD079697.D

Acq: 09 Aug 2024 17:04

Tgt Ion:	65	Resp:	201
Ion	Ratio	Lower	Upper
65	100		
67	37.3	0.0	111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD079697.D

Acq: 09 Aug 2024 17:04

Instrument :

MSVOA_D

ClientSampleId :

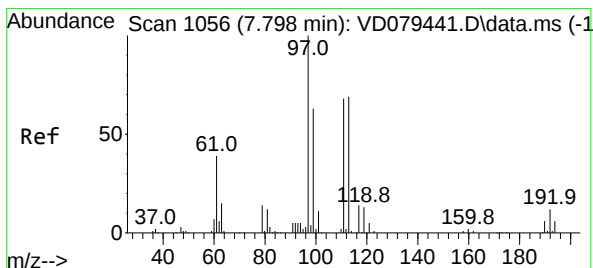
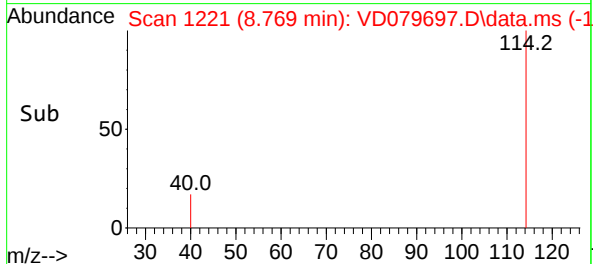
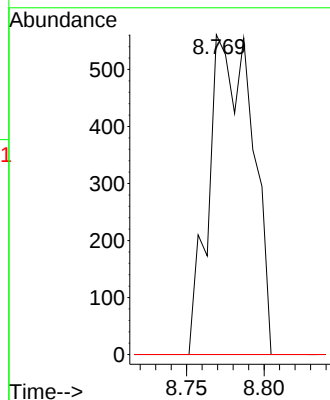
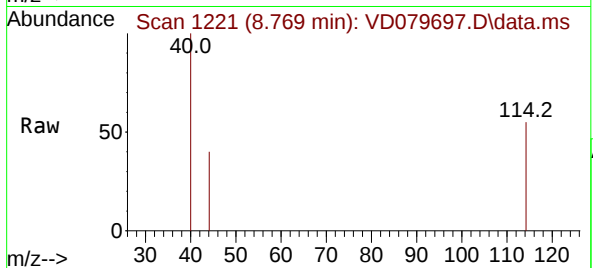
Tgt Ion:114 Resp: 1095

Ion Ratio Lower Upper

114 100

63 0.0 0.0 34.0

88 0.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 31.843 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.012 min

Lab File: VD079697.D

Acq: 09 Aug 2024 17:04

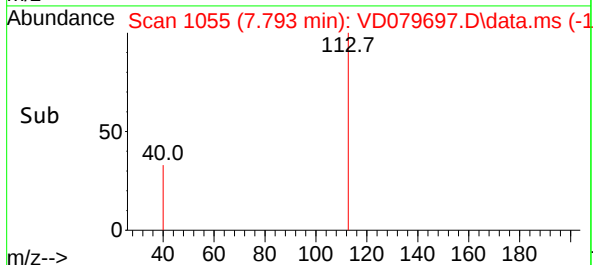
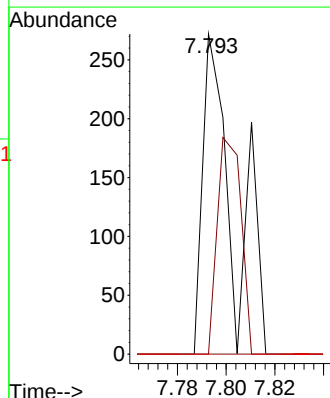
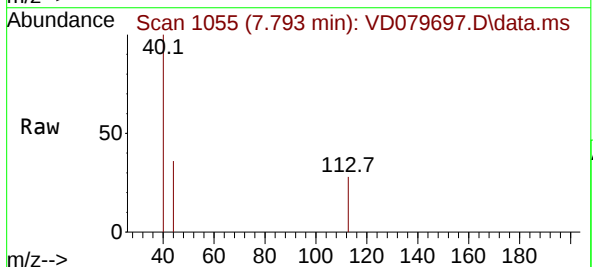
Tgt Ion:113 Resp: 236

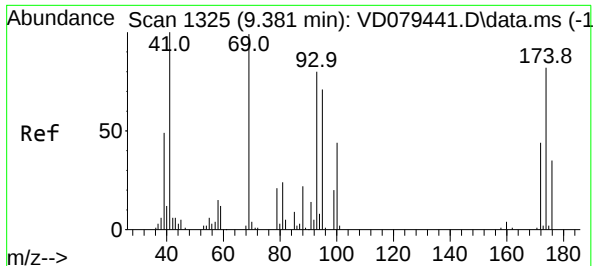
Ion Ratio Lower Upper

113 100

111 53.0 84.0 126.0#

192 0.0 15.4 23.0#





#48

Methyl methacrylate

Concen: 15.480 ug/l

RT: 9.169 min Scan# 11

Delta R.T. -0.212 min

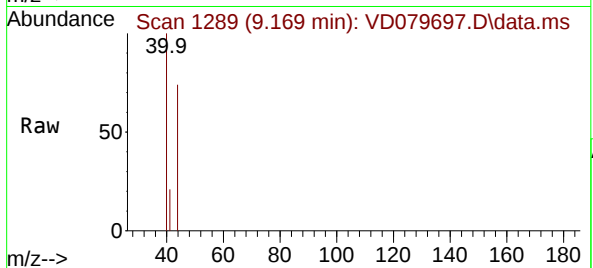
Lab File: VD079697.D

Acq: 09 Aug 2024 17:04

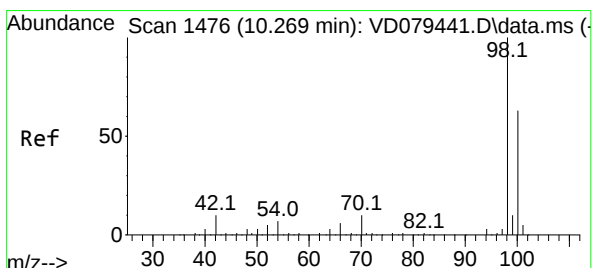
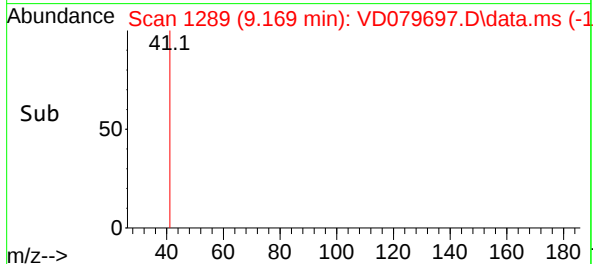
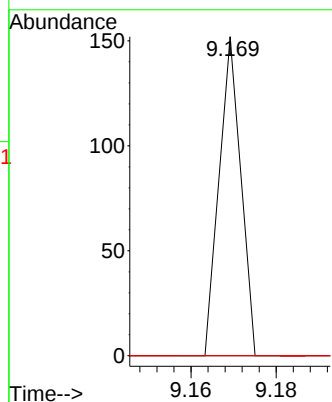
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	41	Resp:	54
Ion	Ratio	Lower	Upper
41	100		
69	0.0	96.7	145.1#
39	0.0	43.8	65.6#



#50

Toluene-d8

Concen: 18.901 ug/l

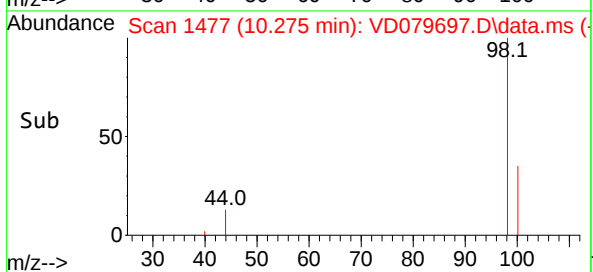
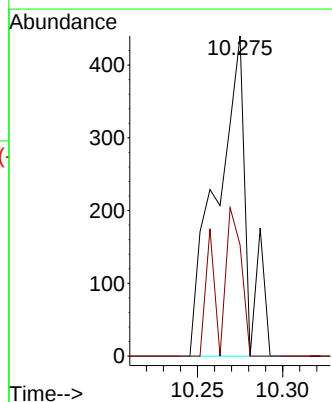
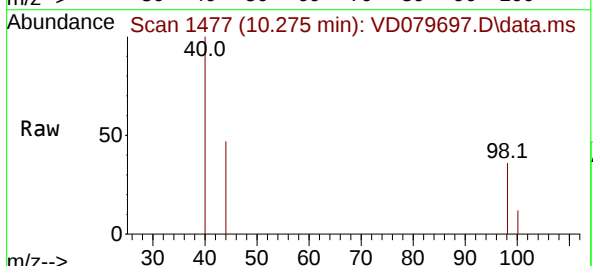
RT: 10.275 min Scan# 1477

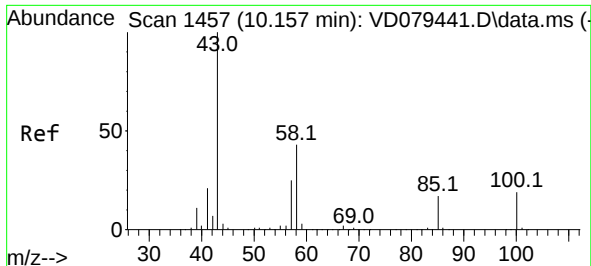
Delta R.T. 0.012 min

Lab File: VD079697.D

Acq: 09 Aug 2024 17:04

Tgt Ion:	98	Resp:	544
Ion	Ratio	Lower	Upper
98	100		
100	34.6	51.6	77.4#

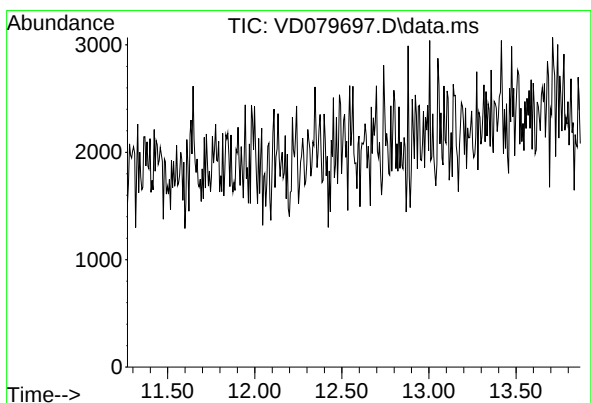
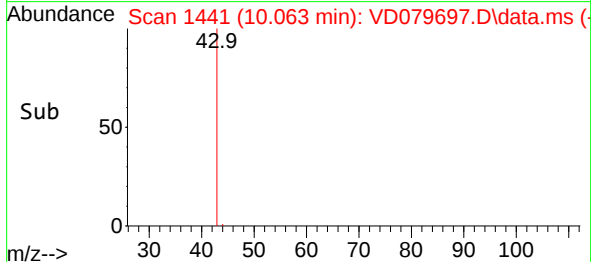
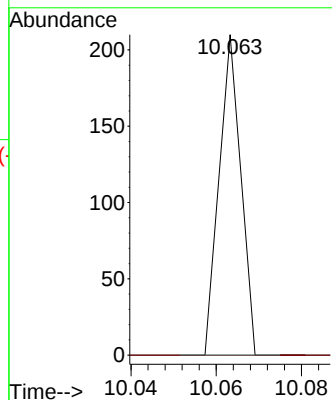
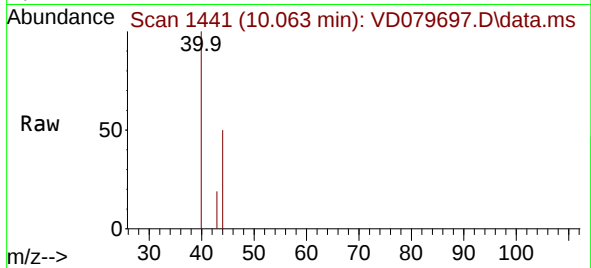




#51
4-Methyl-2-Pentanone
Concen: 18.594 ug/l
RT: 10.063 min Scan# 14
Delta R.T. -0.094 min
Lab File: VD079697.D
Acq: 09 Aug 2024 17:04

Instrument :
MSVOA_D
ClientSampleId :

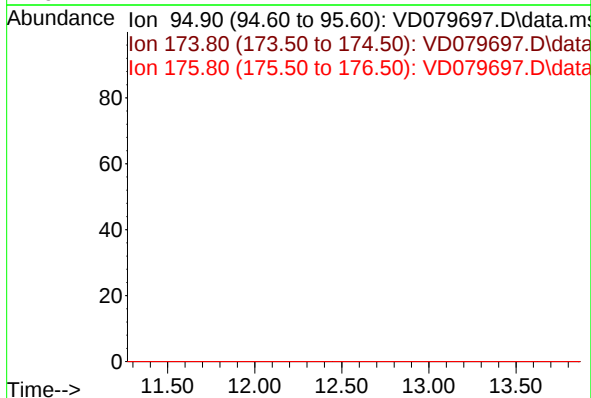
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
58 0.0 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.57 min

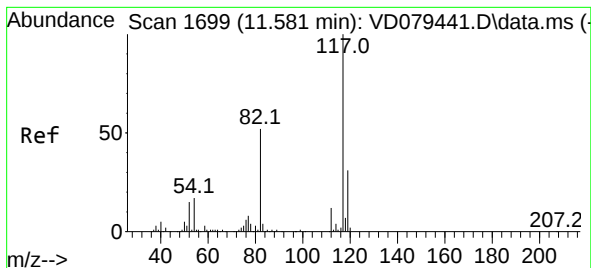
Lab File: VD079697.D
Acq: 09 Aug 2024 17:04

Tgt Ion: 95
Sig Exp Ratio
95 100
174 97.7
176 96.3



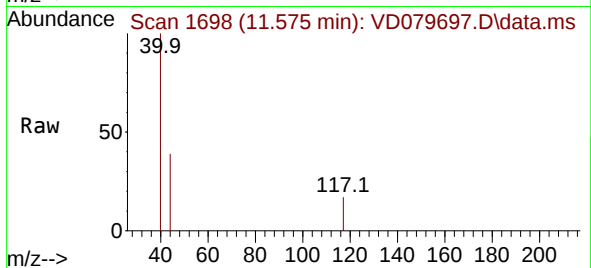
Ion 173.80 (173.50 to 174.50): VD079697.D\data.ms

Ion 175.80 (175.50 to 176.50): VD079697.D\data.ms

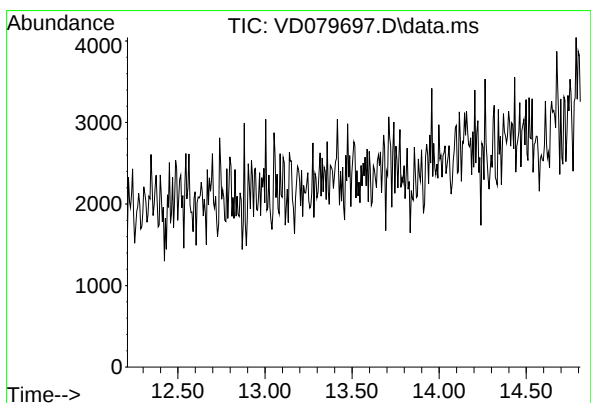
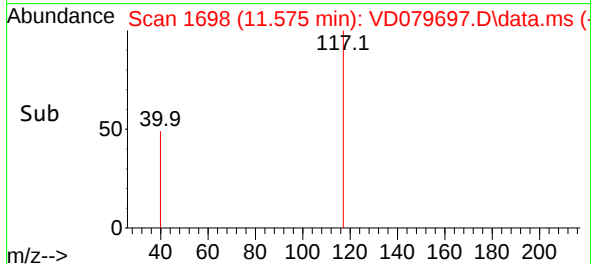
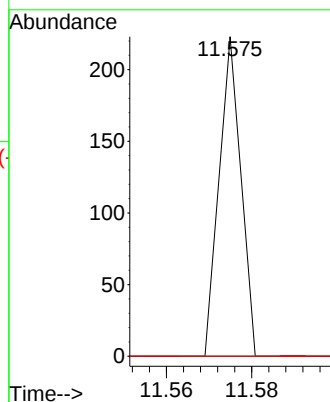


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD079697.D
Acq: 09 Aug 2024 17:04

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:117 Resp: 79
Ion Ratio Lower Upper
117 100
82 0.0 39.8 59.6#
119 0.0 25.7 38.5#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.51 min

Lab File: VD079697.D
Acq: 09 Aug 2024 17:04

Tgt Ion: 152
Sig Exp Ratio
152 100
115 53.0
150 170.8

