

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082823\
 Data File : VD077045.D
 Acq On : 28 Aug 2023 17:00
 Operator : JC/SY
 Sample : 04183-05
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 29 02:51:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 29 02:15:23 2023
 Response via : Initial Calibration

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

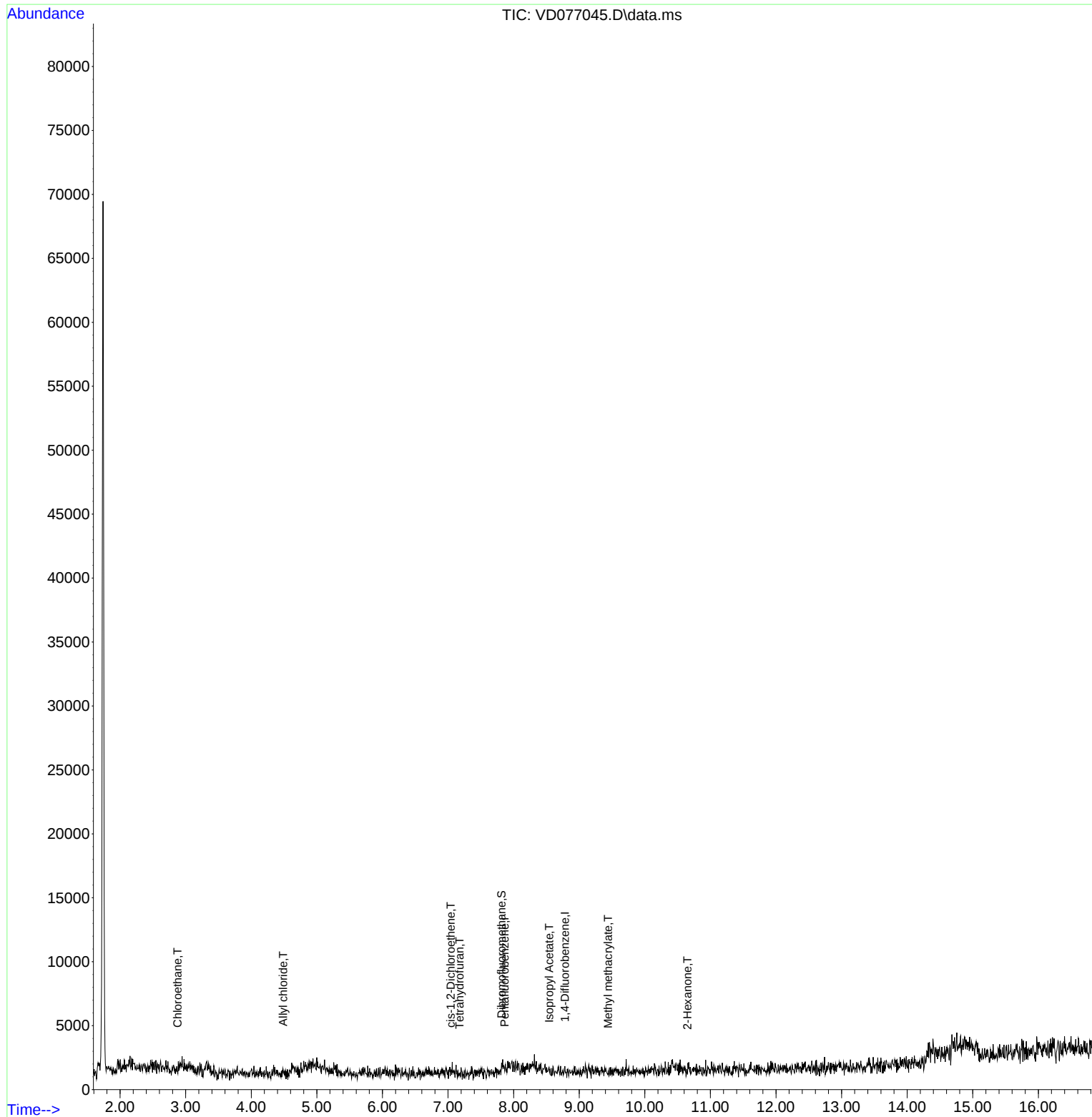
Internal Standards						
1) Pentafluorobenzene	7.863	168	417	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.781	114	142	50.000	ug/l	0.00
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.58
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.52
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	7.816	113	59	62.194	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	124.380%
50) Toluene-d8	0.000	98	0	0.000	ug/l	
Spiked Amount	50.000	Range	58 - 134	Recovery	=	0.000%#
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	2.875	64	55	9.501	ug/l #	43
14) Allyl chloride	4.487	41	55	11.160	ug/l #	19
27) cis-1,2-Dichloroethene	7.040	96	54	9.135	ug/l #	1
29) Tetrahydrofuran	7.175	42	53	81.377	ug/l #	23
43) Isopropyl Acetate	8.540	43	68	73.427	ug/l #	43
48) Methyl methacrylate	9.440	41	53	127.687	ug/l #	1
59) 2-Hexanone	10.651	43	54	157.915	ug/l #	16

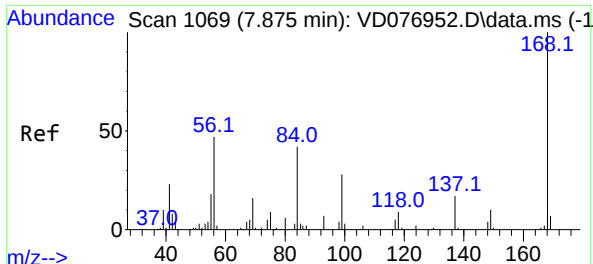
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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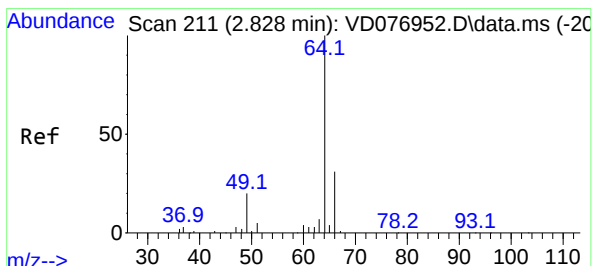
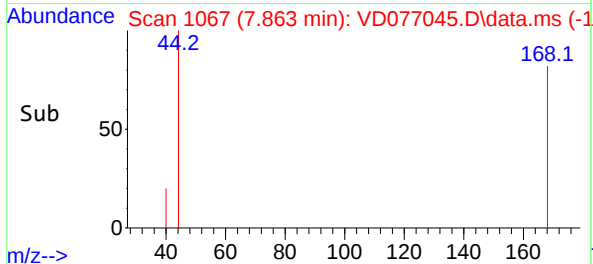
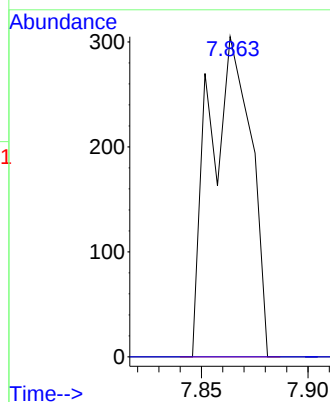
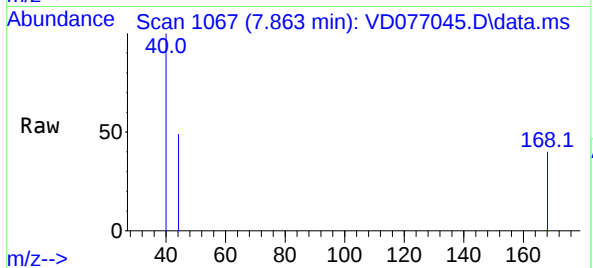




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.863 min Scan# 10
Delta R.T. -0.012 min
Lab File: VD077045.D
Acq: 28 Aug 2023 17:00

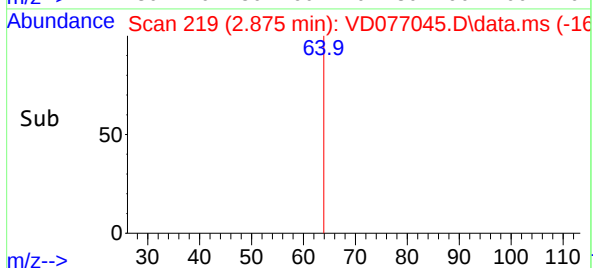
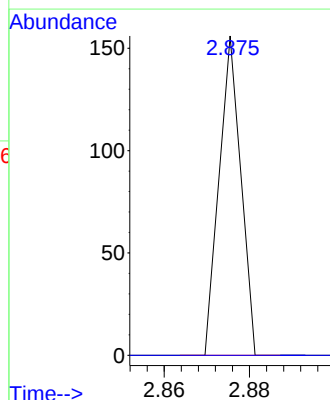
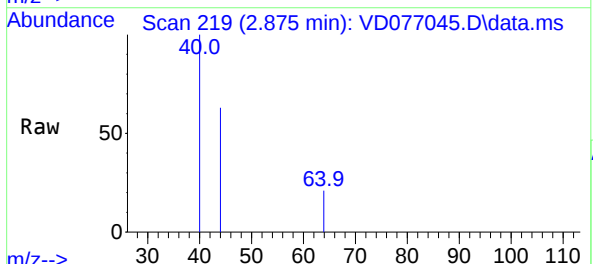
Instrument :
MSVOA_D
ClientSampleId :

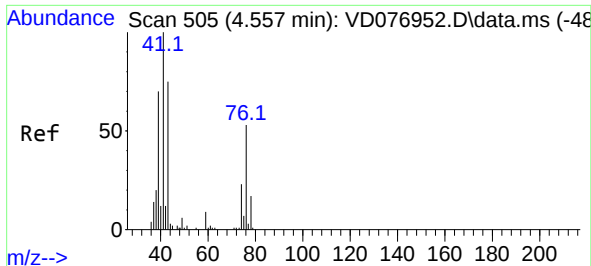
Tgt Ion:168 Resp: 417
Ion Ratio Lower Upper
168 100
99 0.0 36.7 55.1#



#6
Chloroethane
Concen: 9.501 ug/l
RT: 2.875 min Scan# 219
Delta R.T. 0.047 min
Lab File: VD077045.D
Acq: 28 Aug 2023 17:00

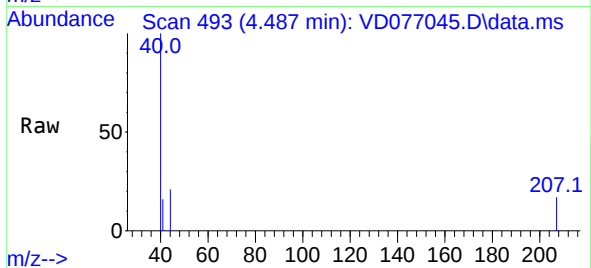
Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



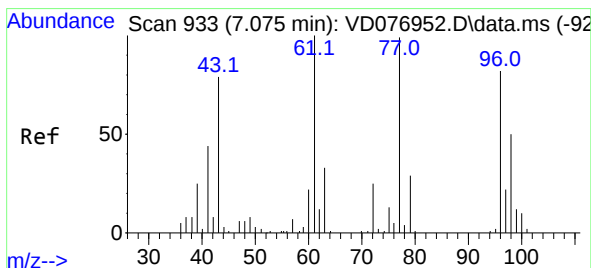
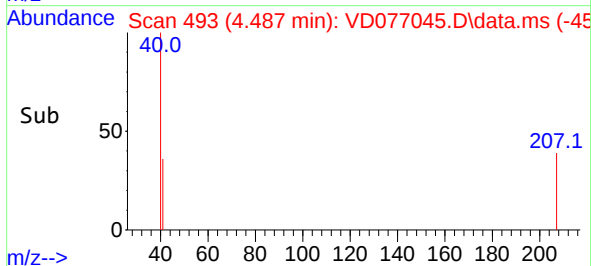
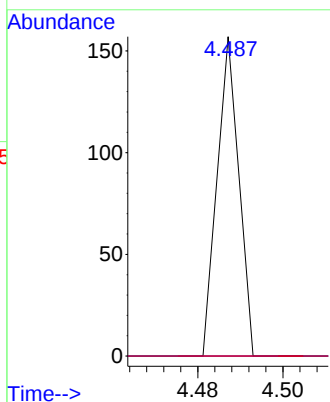


#14
Allyl chloride
Concen: 11.160 ug/l
RT: 4.487 min Scan# 493
Delta R.T. -0.070 min
Lab File: VD077045.D
Acq: 28 Aug 2023 17:00

Instrument :
MSVOA_D
ClientSampleId :

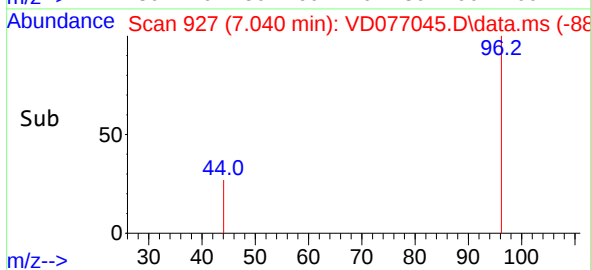
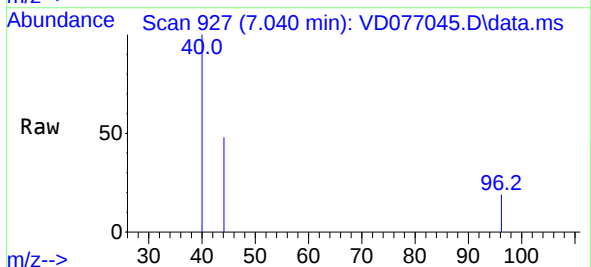
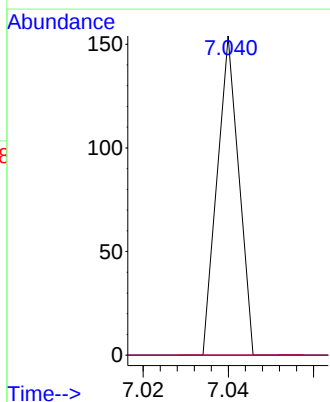


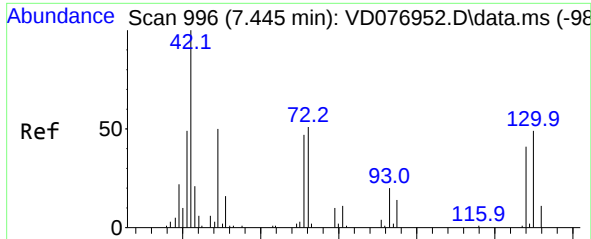
Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
39 0.0 53.8 80.6#
76 0.0 45.8 68.8#



#27
cis-1,2-Dichloroethene
Concen: 9.135 ug/l
RT: 7.040 min Scan# 927
Delta R.T. -0.035 min
Lab File: VD077045.D
Acq: 28 Aug 2023 17:00

Tgt Ion: 96 Resp: 54
Ion Ratio Lower Upper
96 100
61 0.0 0.0 239.2
98 0.0 0.0 128.6





#29

Tetrahydrofuran

Concen: 81.377 ug/l

RT: 7.175 min Scan# 91

Delta R.T. -0.270 min

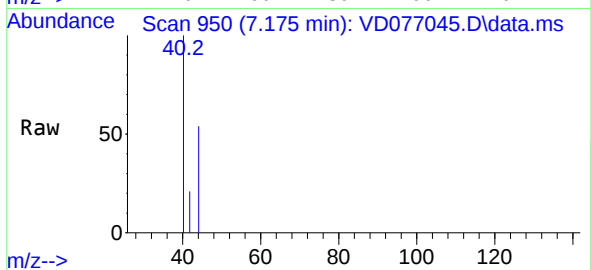
Lab File: VD077045.D

Acq: 28 Aug 2023 17:00

Instrument :

MSVOA_D

ClientSampleId :



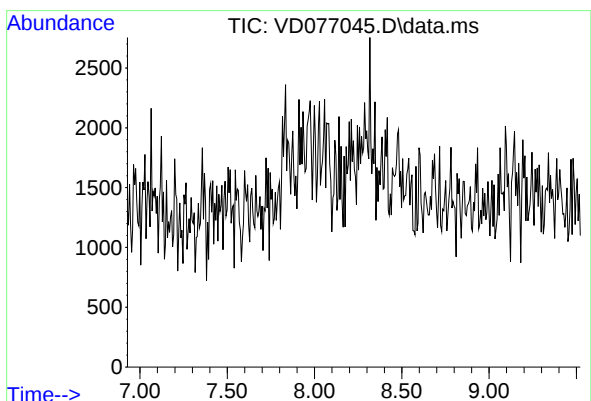
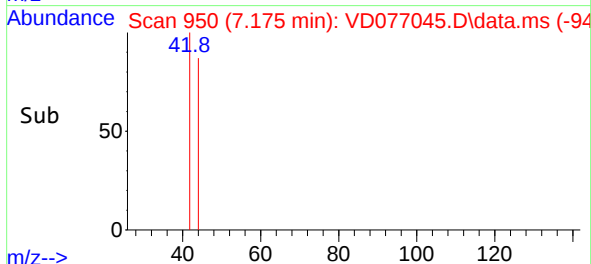
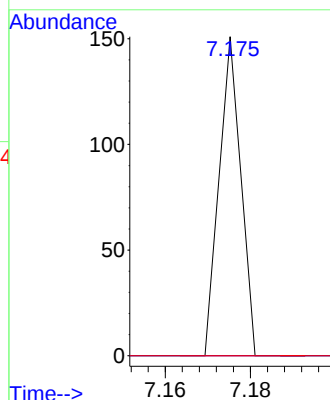
Tgt Ion: 42 Resp: 53

Ion Ratio Lower Upper

42 100

72 0.0 46.5 69.7#

71 0.0 44.5 66.7#



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.23 min

Lab File: VD077045.D

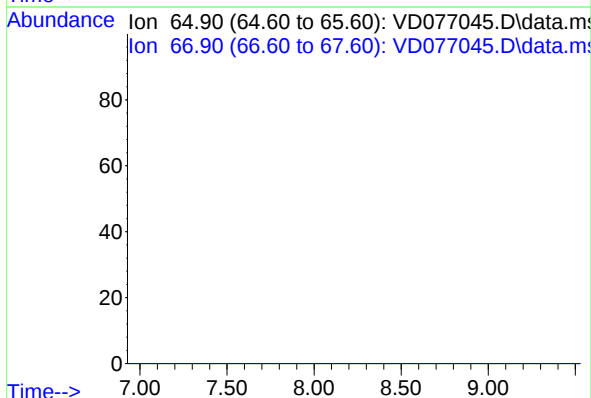
Acq: 28 Aug 2023 17:00

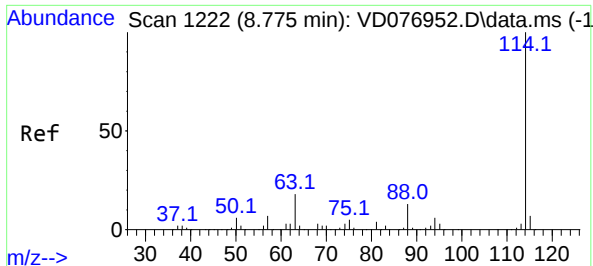
Tgt Ion: 65

Sig Exp Ratio

65 100

67 57.5





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077045.D

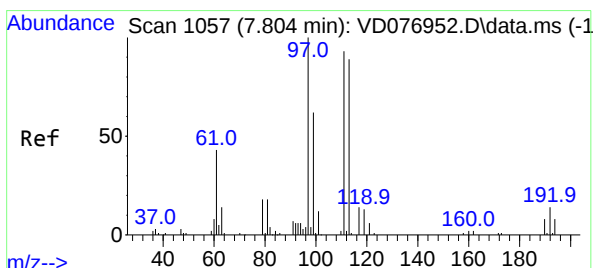
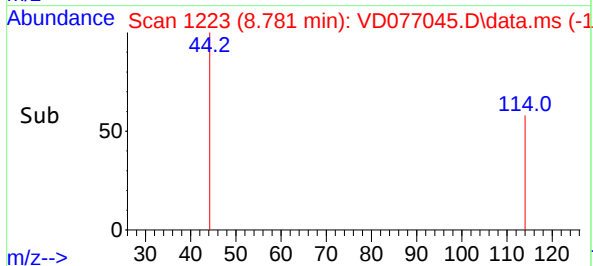
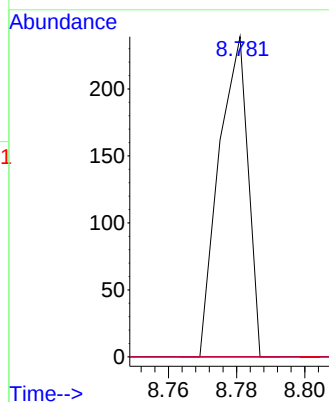
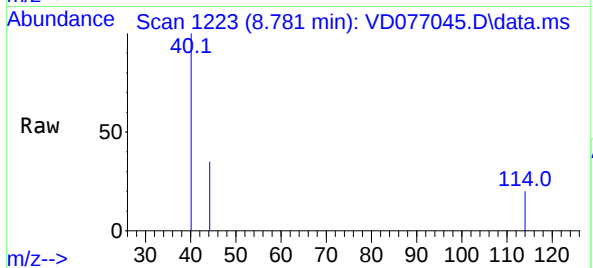
Acq: 28 Aug 2023 17:00

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	142
Ion Ratio	Lower	Upper
114	100	
63	0.0	33.4
88	0.0	26.2



#35

Dibromofluoromethane

Concen: 62.194 ug/l

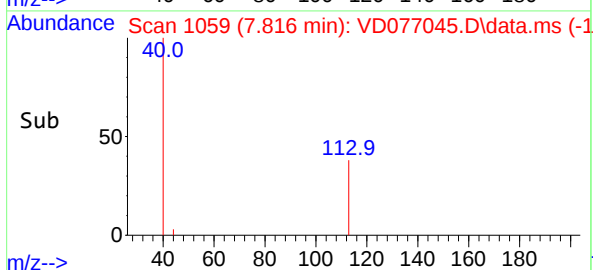
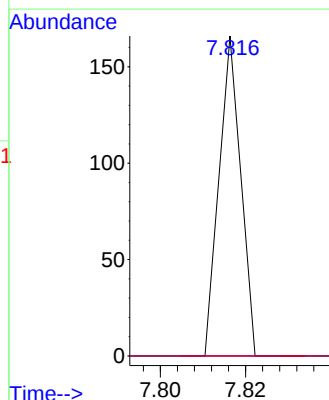
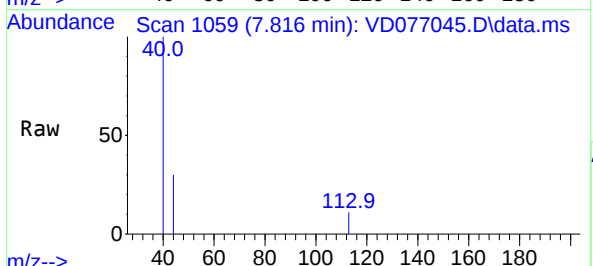
RT: 7.816 min Scan# 1059

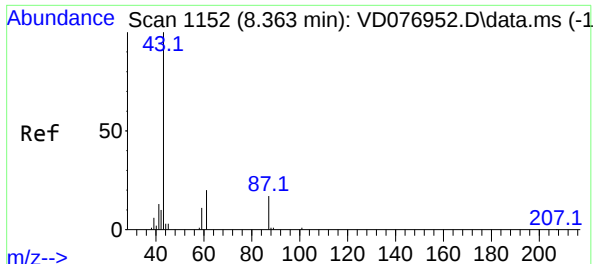
Delta R.T. 0.012 min

Lab File: VD077045.D

Acq: 28 Aug 2023 17:00

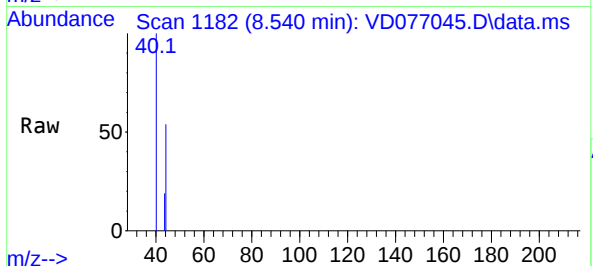
Tgt Ion:113	Resp:	59
Ion Ratio	Lower	Upper
113	100	
111	0.0	127.1#
192	0.0	25.2#



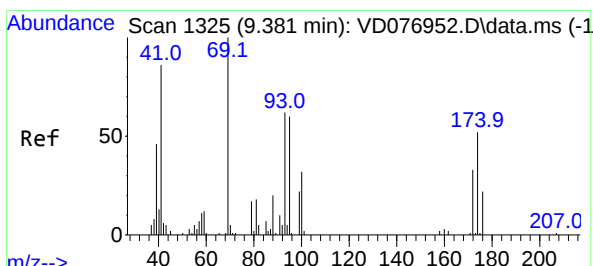
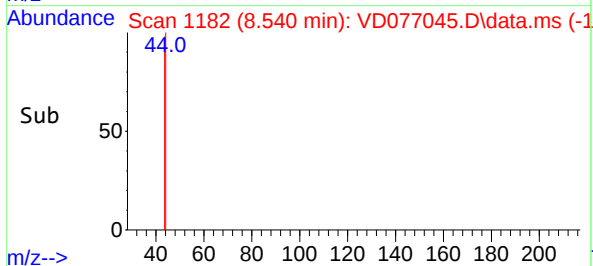
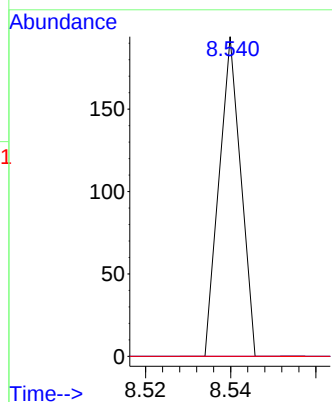


#43
Isopropyl Acetate
Concen: 73.427 ug/l
RT: 8.540 min Scan# 1152
Delta R.T. 0.177 min
Lab File: VD077045.D
Acq: 28 Aug 2023 17:00

Instrument :
MSVOA_D
ClientSampleId :

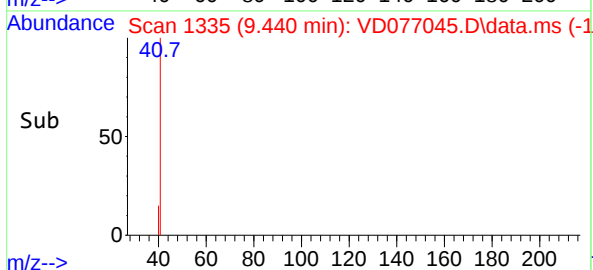
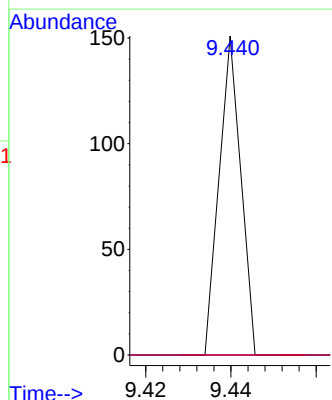
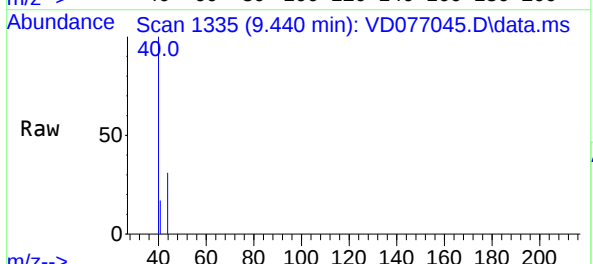


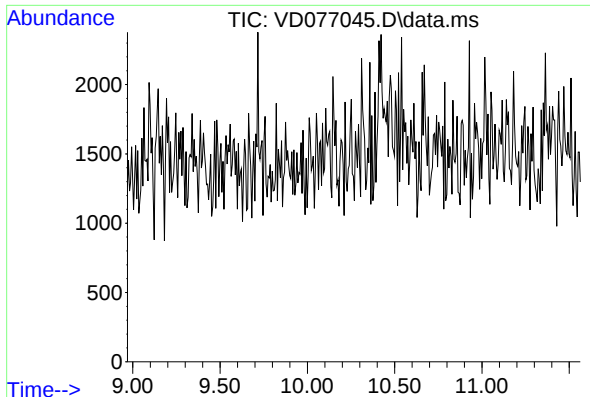
Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
61 0.0 31.4 47.0#
87 0.0 14.9 22.3#



#48
Methyl methacrylate
Concen: 127.687 ug/l
RT: 9.440 min Scan# 1335
Delta R.T. 0.059 min
Lab File: VD077045.D
Acq: 28 Aug 2023 17:00

Tgt Ion: 41 Resp: 53
Ion Ratio Lower Upper
41 100
69 0.0 102.2 153.2#
39 0.0 41.4 62.2#



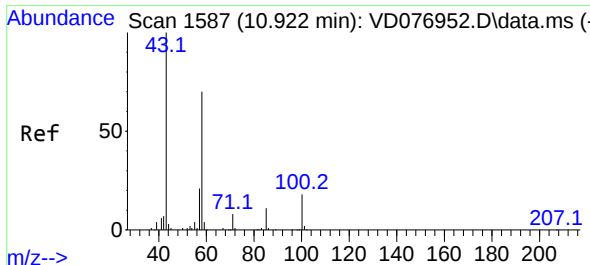
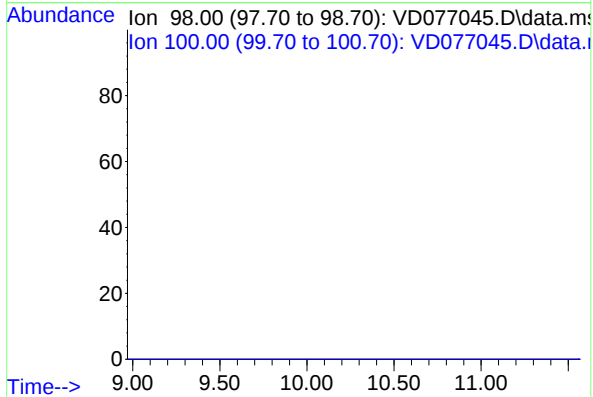


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.27 min

Lab File: VD077045.D
Acq: 28 Aug 2023 17:00

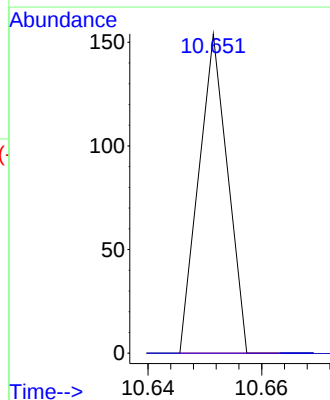
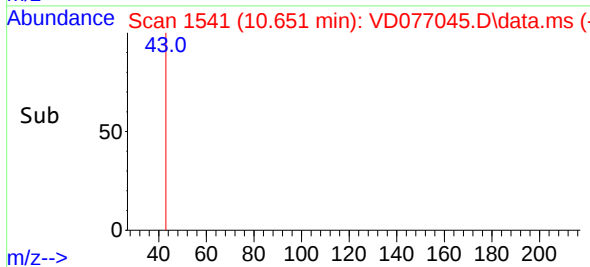
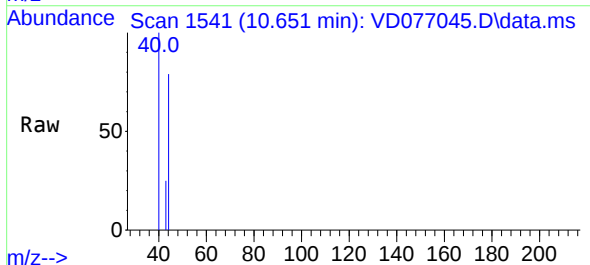
Instrument :
MSVOA_D
ClientSampleId :

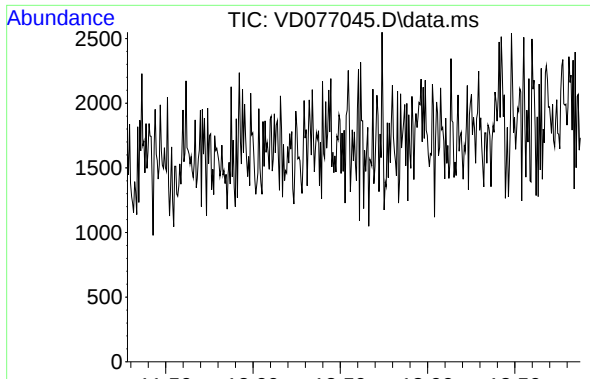
Tgt Ion: 98
Sig Exp Ratio
98 100
100 62.9



#59
2-Hexanone
Concen: 157.915 ug/l
RT: 10.651 min Scan# 1541
Delta R.T. -0.271 min
Lab File: VD077045.D
Acq: 28 Aug 2023 17:00

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#



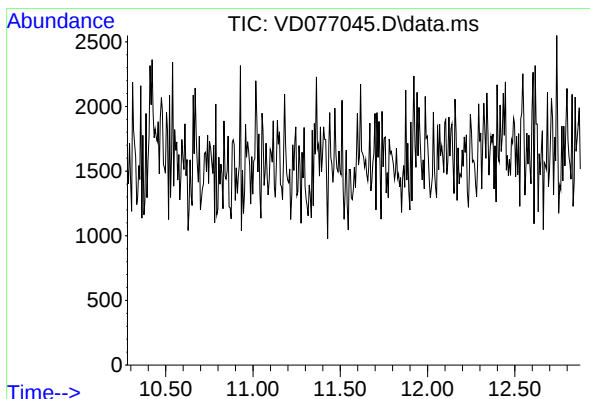
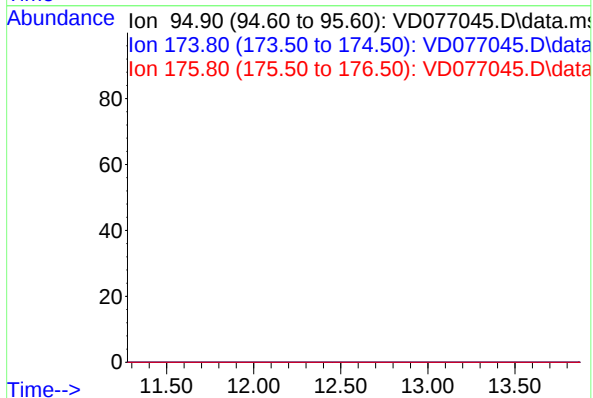


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.57 min

Lab File: VD077045.D
Acq: 28 Aug 2023 17:00

Instrument :
MSVOA_D
ClientSampleId :

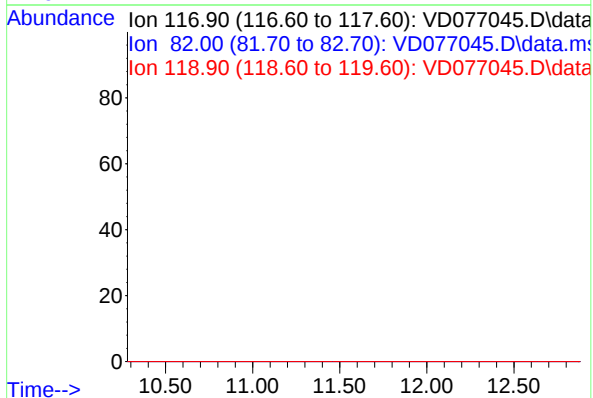
Tgt Ion:	95
Sig	Exp Ratio
95	100
174	100.9
176	95.9

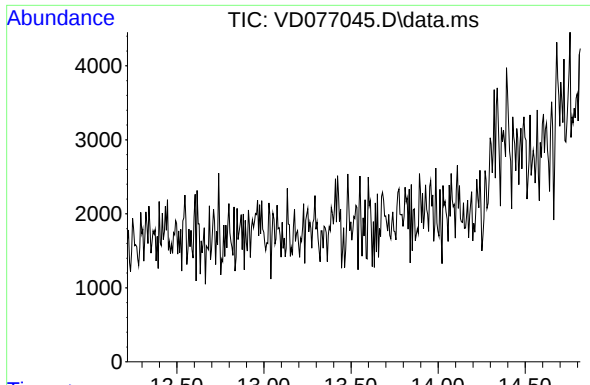


#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.58 min

Lab File: VD077045.D
Acq: 28 Aug 2023 17:00

Tgt Ion:	117
Sig	Exp Ratio
117	100
82	47.9
119	31.2





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.52 min
Lab File: VD077045.D
Acq: 28 Aug 2023 17:00

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 152
Sig Exp Ratio
152 100
115 54.2
150 176.8

