

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021117.D
 Acq On : 06 Feb 2025 17:32
 Operator : SY/MD
 Sample : Q1287-09
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 02:35:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

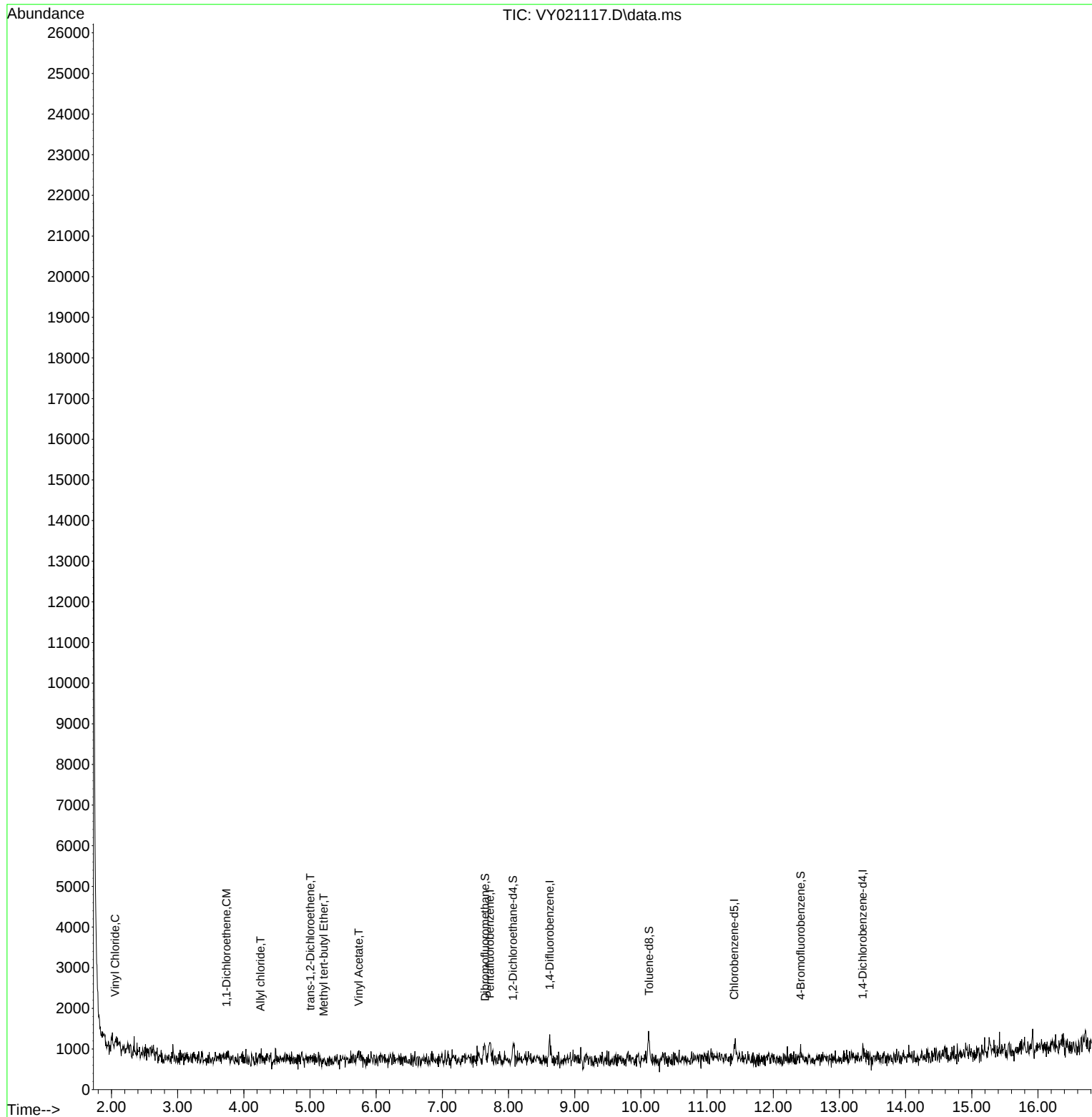
Internal Standards						
1) Pentafluorobenzene	7.719	168	618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	147	50.000	ug/l	#-0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	68	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	307	48.485	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.960%
35) Dibromofluoromethane	7.646	113	468	78.607	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	157.220%#
50) Toluene-d8	10.121	98	628	27.707	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	55.420%#
62) 4-Bromofluorobenzene	12.414	95	70	9.453	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	18.900%#
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.056	62	19	3.473	ug/l #	43
12) 1,1-Dichloroethene	3.738	96	21	3.564	ug/l #	1
14) Allyl chloride	4.251	41	22	2.215	ug/l #	23
19) Methyl tert-butyl Ether	5.208	73	23	1.544	ug/l #	54
21) trans-1,2-Dichloroethene	5.007	96	30	4.625	ug/l #	1
23) Vinyl Acetate	5.738	43	21	1.840	ug/l #	71

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

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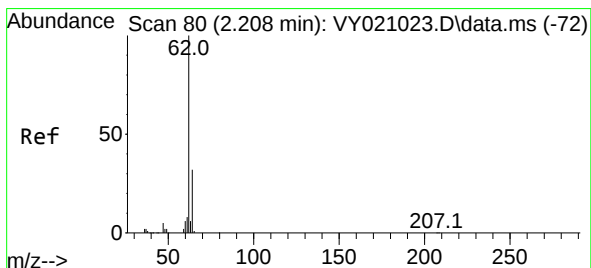
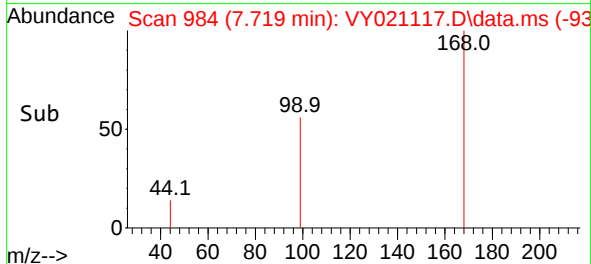
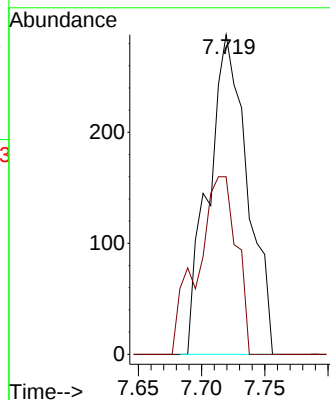
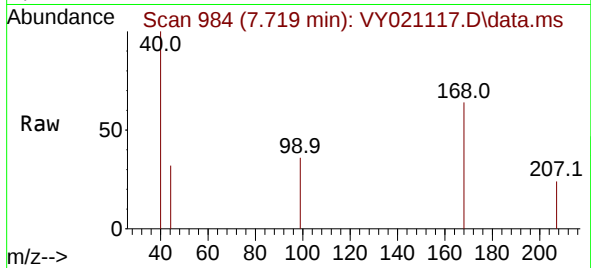




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021117.D
Acq: 06 Feb 2025 17:32

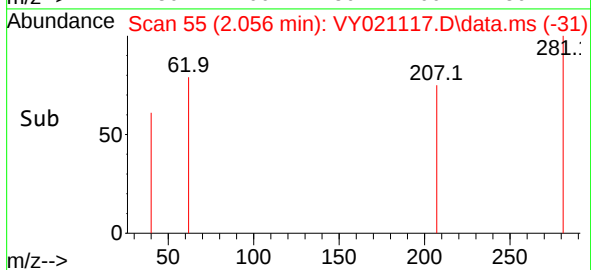
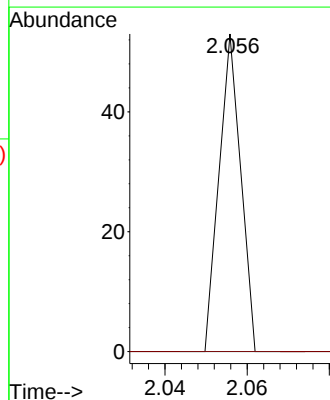
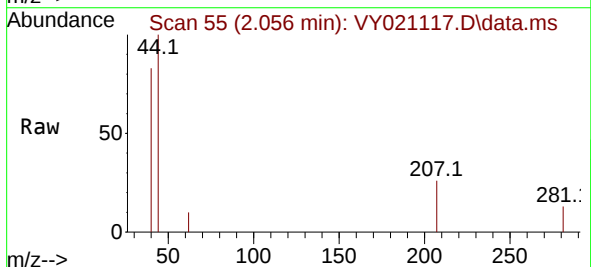
Instrument :
MSVOA_Y
ClientSampleId :

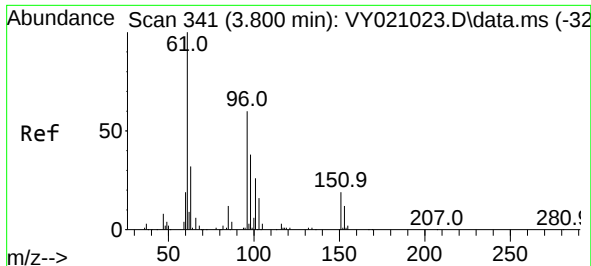
Tgt Ion:168 Resp: 618
Ion Ratio Lower Upper
168 100
99 55.6 44.2 66.4



#4
Vinyl Chloride
Concen: 3.473 ug/l
RT: 2.056 min Scan# 55
Delta R.T. -0.153 min
Lab File: VY021117.D
Acq: 06 Feb 2025 17:32

Tgt Ion: 62 Resp: 19
Ion Ratio Lower Upper
62 100
64 0.0 25.7 38.5#





#12

1,1-Dichloroethene

Concen: 3.564 ug/l

RT: 3.738 min Scan# 31

Delta R.T. -0.061 min

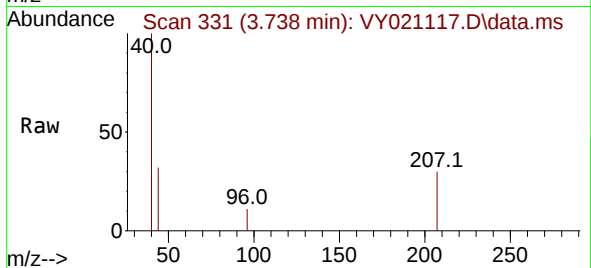
Lab File: VY021117.D

Acq: 06 Feb 2025 17:32

Instrument :

MSVOA_Y

ClientSampleId :



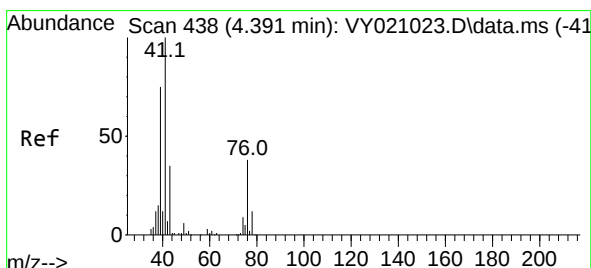
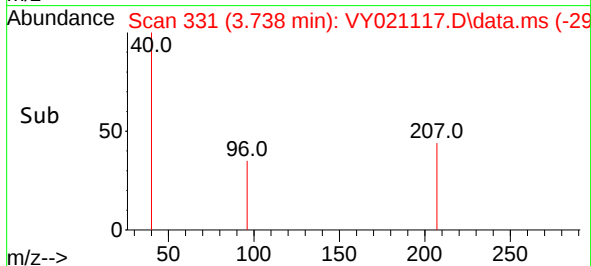
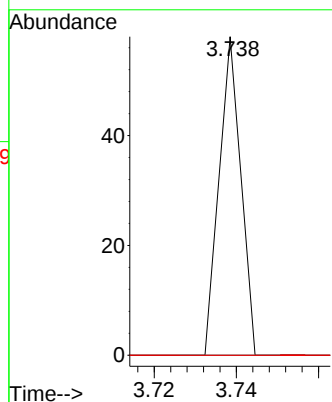
Tgt Ion: 96 Resp: 21

Ion Ratio Lower Upper

96 100

61 0.0 124.2 186.2#

98 0.0 52.6 79.0#



#14

Allyl chloride

Concen: 2.215 ug/l

RT: 4.251 min Scan# 415

Delta R.T. -0.140 min

Lab File: VY021117.D

Acq: 06 Feb 2025 17:32

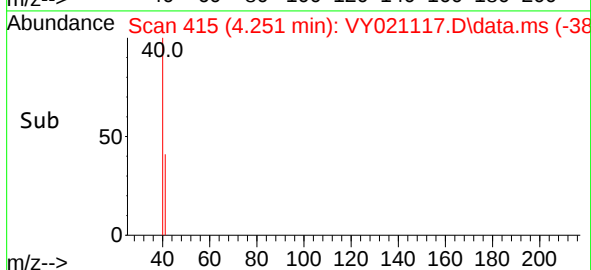
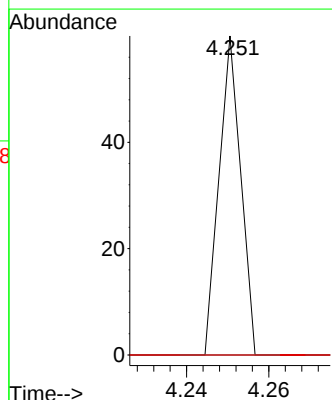
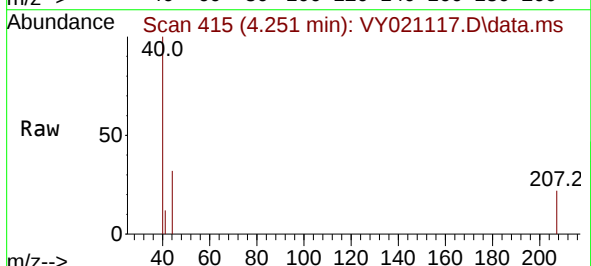
Tgt Ion: 41 Resp: 22

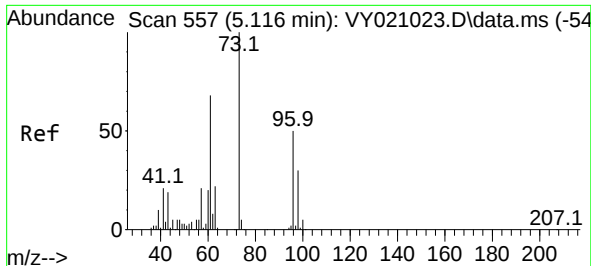
Ion Ratio Lower Upper

41 100

39 0.0 54.7 82.1#

76 0.0 31.8 47.6#





#19

Methyl tert-butyl Ether

Concen: 1.544 ug/l

RT: 5.208 min Scan# 51

Delta R.T. 0.091 min

Lab File: VY021117.D

Acq: 06 Feb 2025 17:32

Instrument :

MSVOA_Y

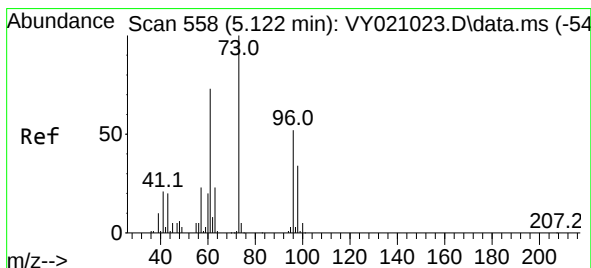
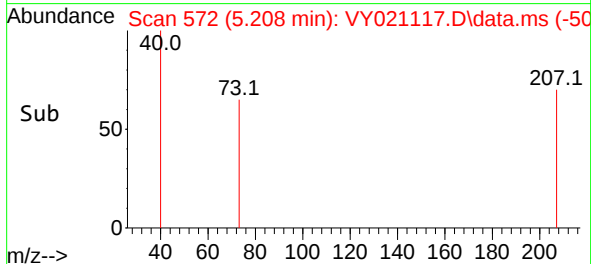
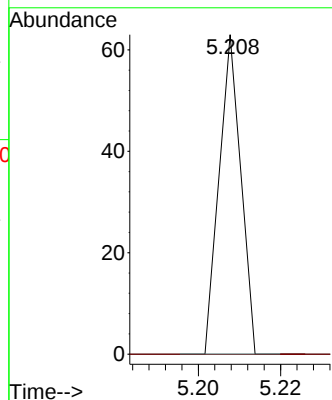
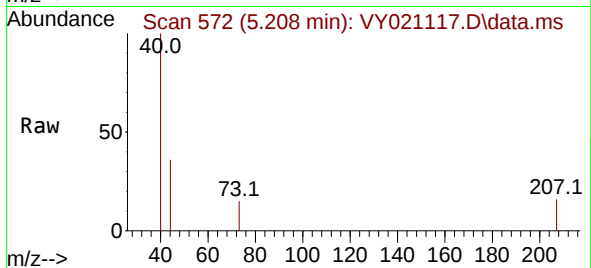
ClientSampleId :

Tgt Ion: 73 Resp: 23

Ion Ratio Lower Upper

73 100

57 0.0 17.7 26.5#



#21

trans-1,2-Dichloroethene

Concen: 4.625 ug/l

RT: 5.007 min Scan# 539

Delta R.T. -0.116 min

Lab File: VY021117.D

Acq: 06 Feb 2025 17:32

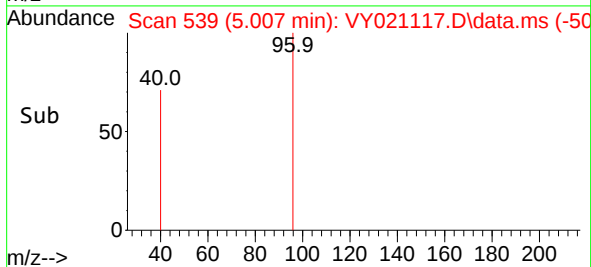
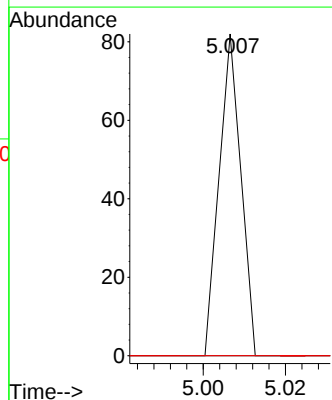
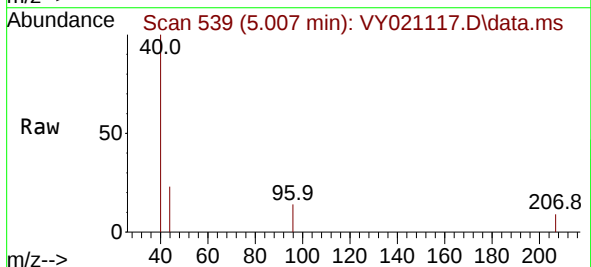
Tgt Ion: 96 Resp: 30

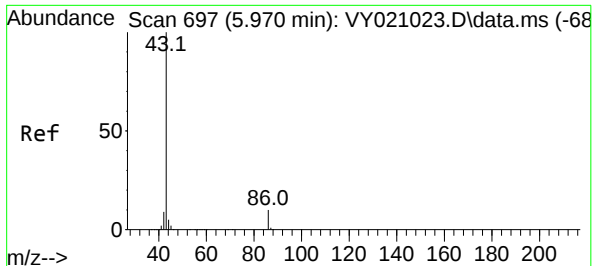
Ion Ratio Lower Upper

96 100

61 0.0 104.6 156.8#

98 0.0 50.9 76.3#

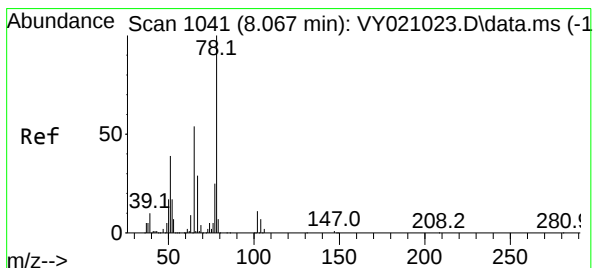
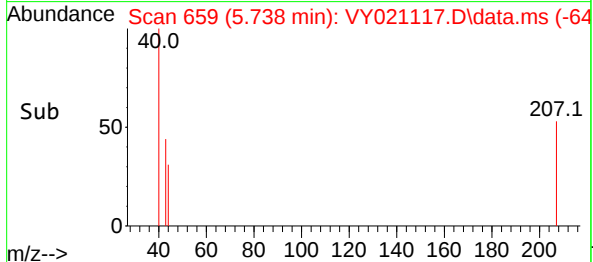
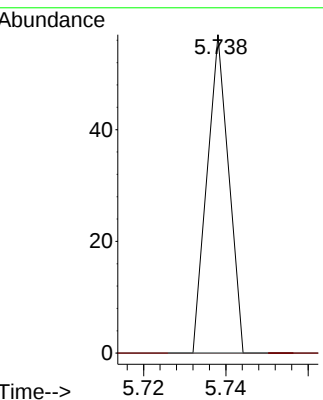
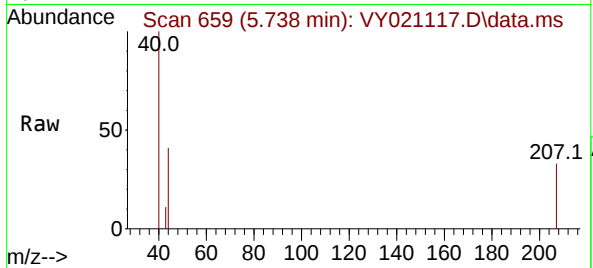




#23
 Vinyl Acetate
 Concen: 1.840 ug/l
 RT: 5.738 min Scan# 61
 Delta R.T. -0.232 min
 Lab File: VY021117.D
 Acq: 06 Feb 2025 17:32

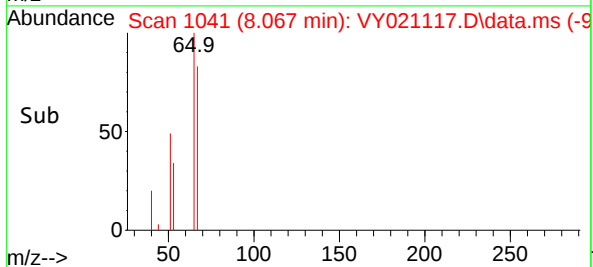
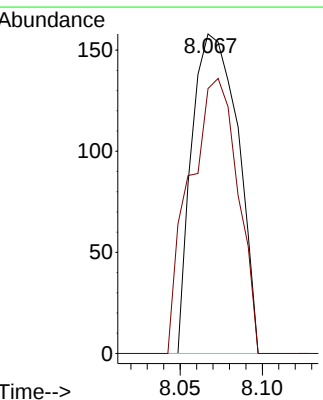
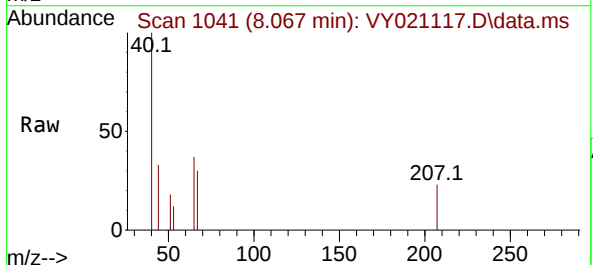
Instrument :
 MSVOA_Y
 ClientSampleId :

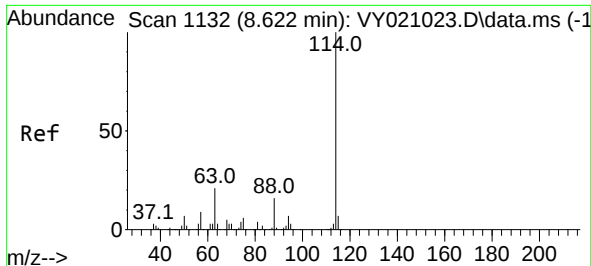
Tgt Ion: 43 Resp: 21
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#33
 1,2-Dichloroethane-d4
 Concen: 48.485 ug/l
 RT: 8.067 min Scan# 1041
 Delta R.T. -0.000 min
 Lab File: VY021117.D
 Acq: 06 Feb 2025 17:32

Tgt Ion: 65 Resp: 307
 Ion Ratio Lower Upper
 65 100
 67 90.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021117.D

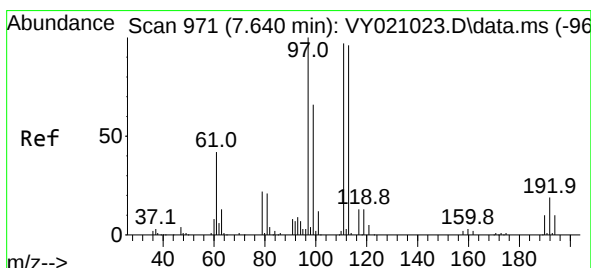
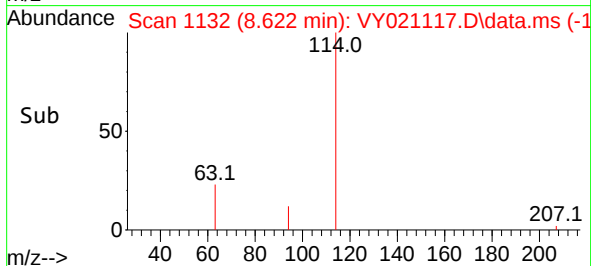
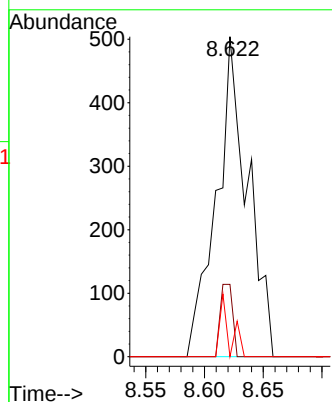
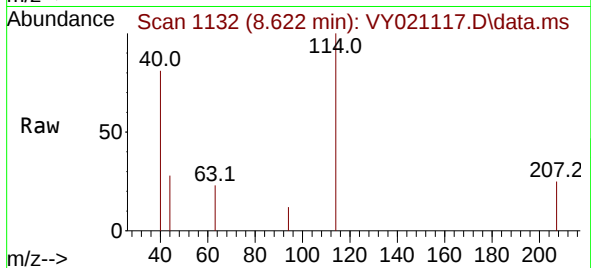
Acq: 06 Feb 2025 17:32

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	929
Ion	Ratio	Lower Upper
114	100	
63	22.6	0.0 37.4
88	0.0	0.0 29.0



#35

Dibromofluoromethane

Concen: 78.607 ug/l

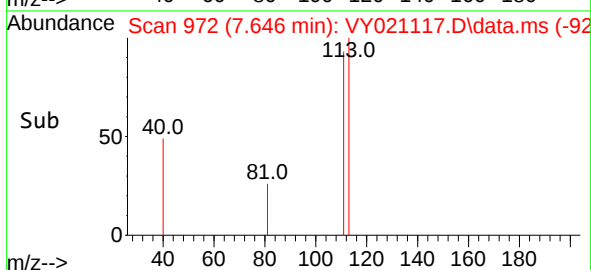
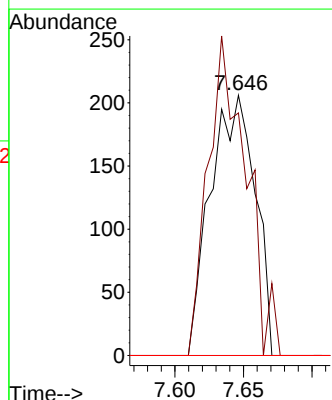
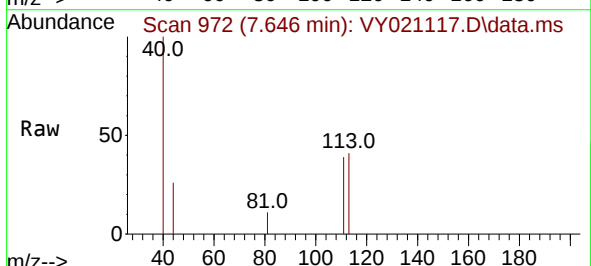
RT: 7.646 min Scan# 972

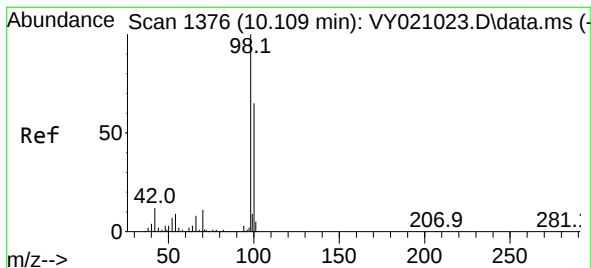
Delta R.T. 0.006 min

Lab File: VY021117.D

Acq: 06 Feb 2025 17:32

Tgt Ion:113	Resp:	468
Ion	Ratio	Lower Upper
113	100	
111	104.3	83.8 125.6
192	0.0	14.5 21.7#

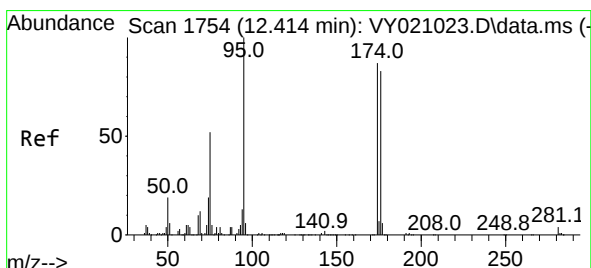
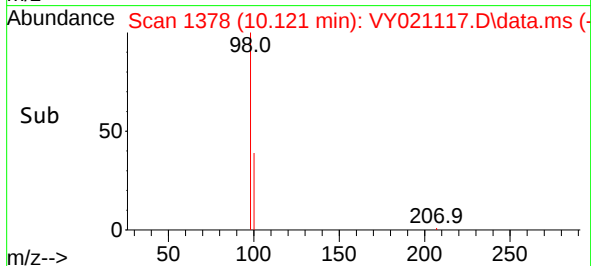
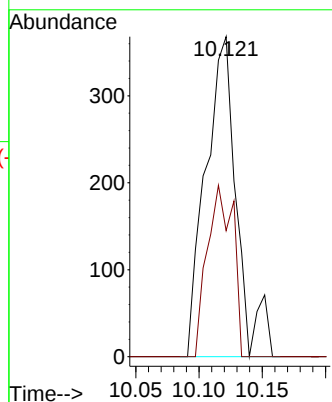
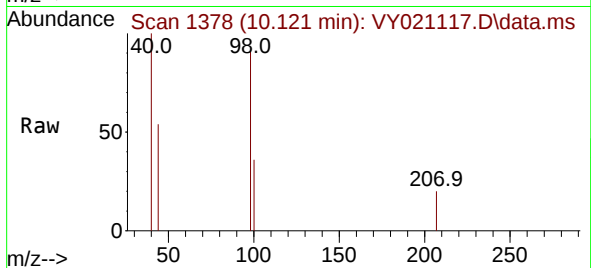




#50
Toluene-d8
Concen: 27.707 ug/l
RT: 10.121 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY021117.D
Acq: 06 Feb 2025 17:32

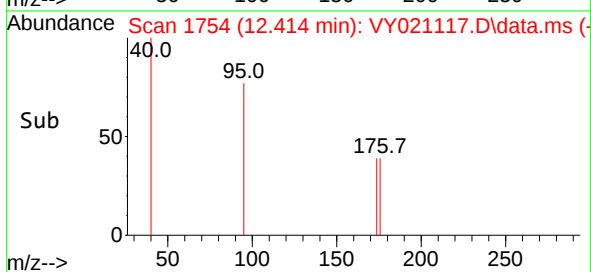
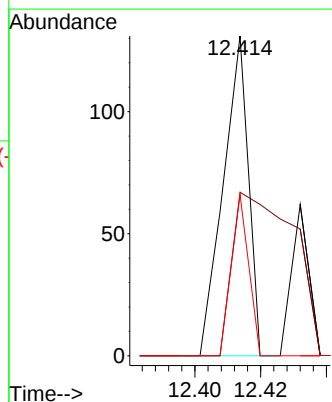
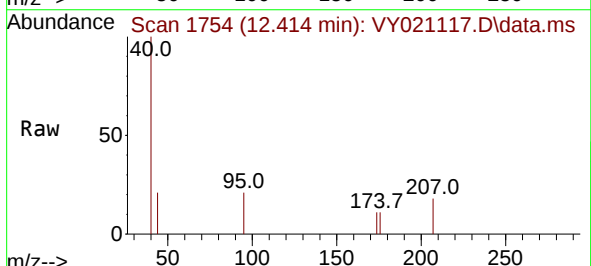
Instrument :
MSVOA_Y
ClientSampleId :

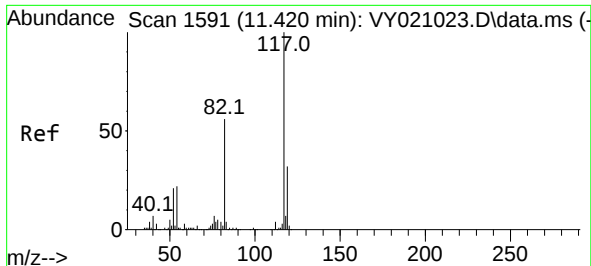
Tgt Ion: 98 Resp: 628
Ion Ratio Lower Upper
98 100
100 44.4 52.3 78.5#



#62
4-Bromofluorobenzene
Concen: 9.453 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021117.D
Acq: 06 Feb 2025 17:32

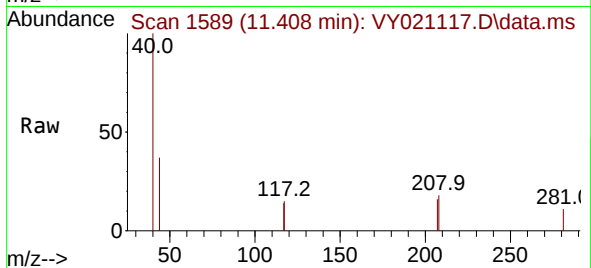
Tgt Ion: 95 Resp: 70
Ion Ratio Lower Upper
95 100
174 124.3 0.0 160.0
176 34.3 0.0 151.8



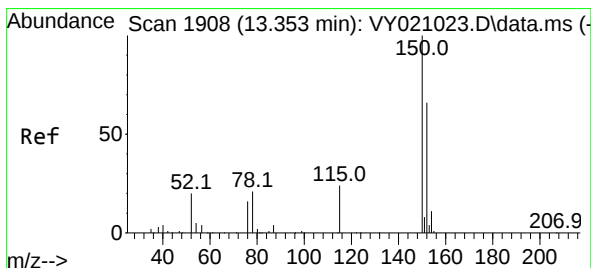
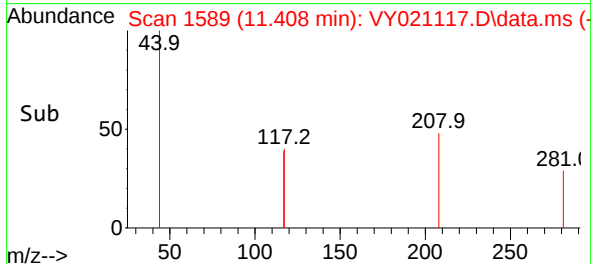
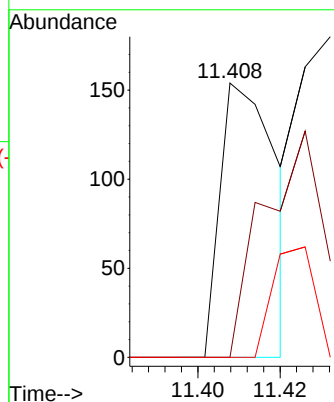


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 11589
Delta R.T. -0.012 min
Lab File: VY021117.D
Acq: 06 Feb 2025 17:32

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:117 Resp: 147
Ion Ratio Lower Upper
117 100
82 0.0 43.8 65.8#
119 0.0 26.5 39.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021117.D
Acq: 06 Feb 2025 17:32

Tgt Ion:152 Resp: 68
Ion Ratio Lower Upper
152 100
115 98.5 30.0 90.0#
150 200.0 0.0 344.6

