

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046609.D
 Acq On : 10 Jun 2025 17:28
 Operator : JC/MD
 Sample : Q2233-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-060425-FD

Quant Time: Jun 11 01:52:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

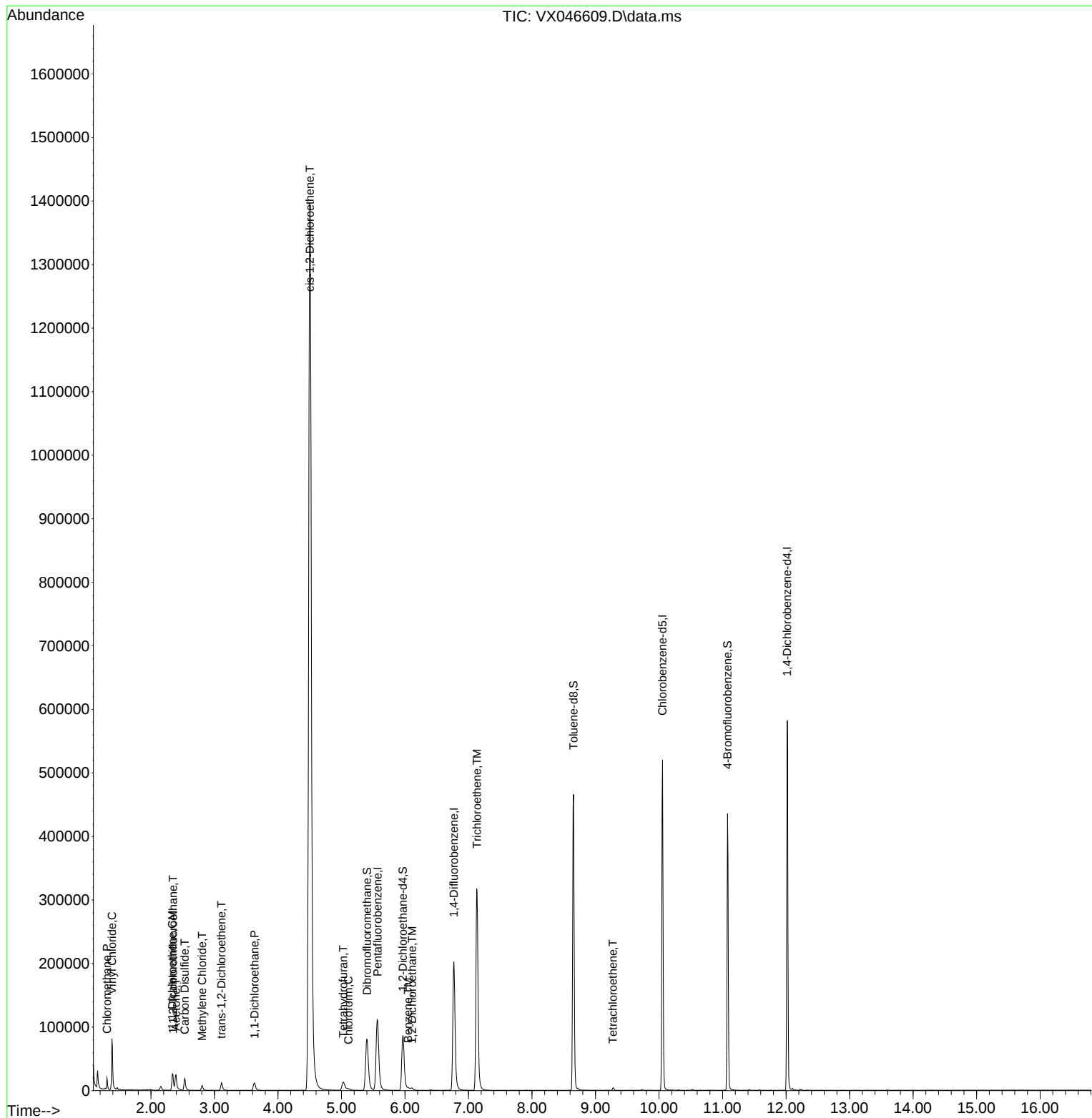
Internal Standards						
1) Pentafluorobenzene	5.568	168	107308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	209766	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	110562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	93697	49.079	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.160%
35) Dibromofluoromethane	5.403	113	76718	49.733	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.460%
50) Toluene-d8	8.653	98	279093	54.877	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.760%
62) 4-Bromofluorobenzene	11.079	95	118825	56.470	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.940%
Target Compounds						Qvalue
3) Chloromethane	1.307	50	11098	8.184	ug/l	96
4) Vinyl Chloride	1.386	62	56899	42.093	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	2375	1.685	ug/l	98
12) 1,1-Dichloroethene	2.337	96	8125	6.378	ug/l	98
16) Acetone	2.392	43	30875	45.021	ug/l	94
17) Carbon Disulfide	2.532	76	22966	8.658	ug/l	99
20) Methylene Chloride	2.806	84	3437	2.244	ug/l	95
21) trans-1,2-Dichloroethene	3.111	96	5287	3.921	ug/l	89
24) 1,1-Dichloroethane	3.629	63	15235	5.541	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	940302	566.537	ug/l	86
29) Tetrahydrofuran	5.025	42	14607	21.763	ug/l	97
30) Chloroform	5.111	83	1874	0.651	ug/l	93
40) Benzene	6.050	78	3398	0.548	ug/l #	90
42) 1,2-Dichloroethane	6.111	62	4384	1.699	ug/l	99
44) Trichloroethene	7.135	130	125428	79.579	ug/l	97
64) Tetrachloroethene	9.275	164	855	0.586	ug/l #	81

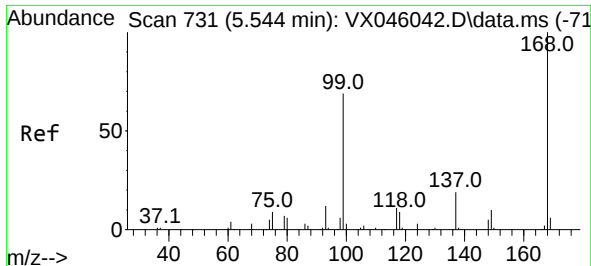
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 11 01:52:37 2025
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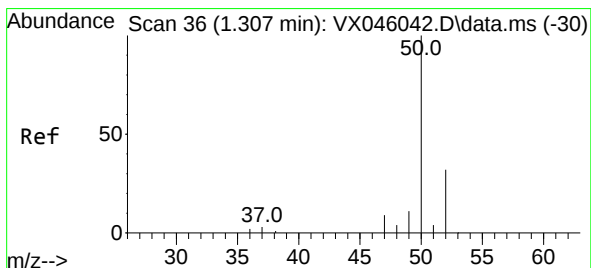
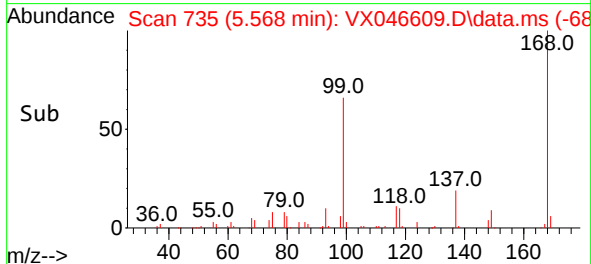
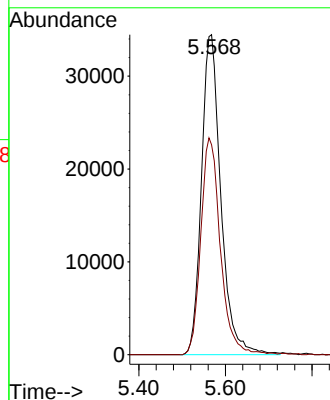
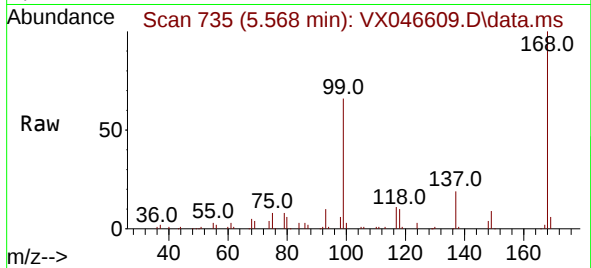




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

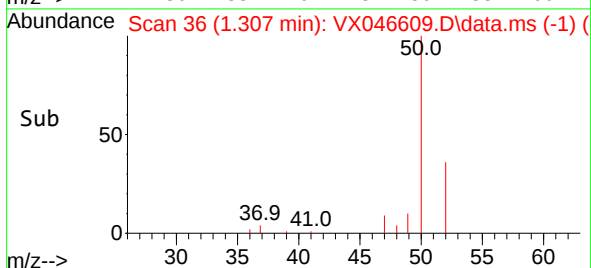
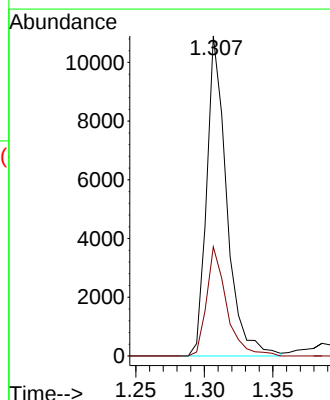
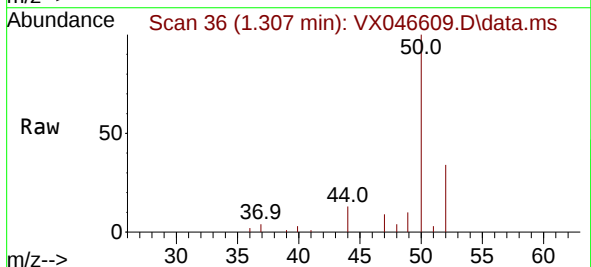
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FD

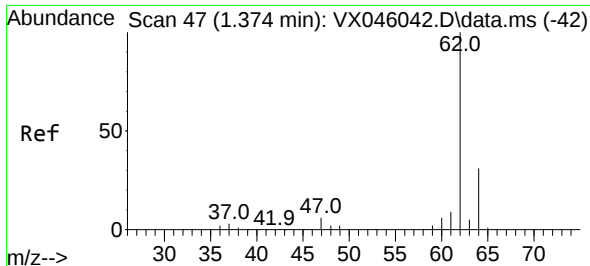
Tgt Ion:168 Resp: 107308
Ion Ratio Lower Upper
168 100
99 65.6 54.9 82.3



#3
Chloromethane
Concen: 8.184 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

Tgt Ion: 50 Resp: 11098
Ion Ratio Lower Upper
50 100
52 34.1 25.4 38.2

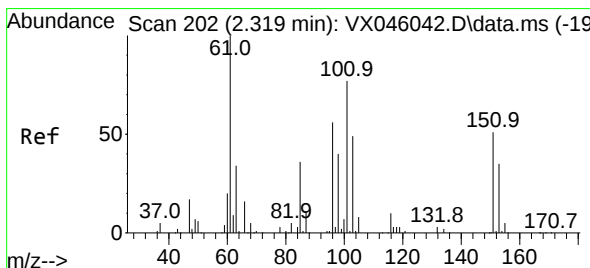
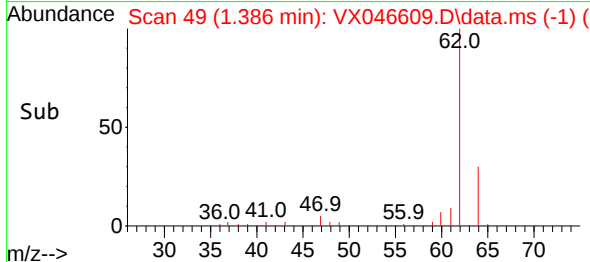
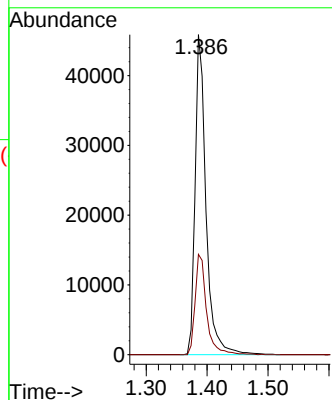
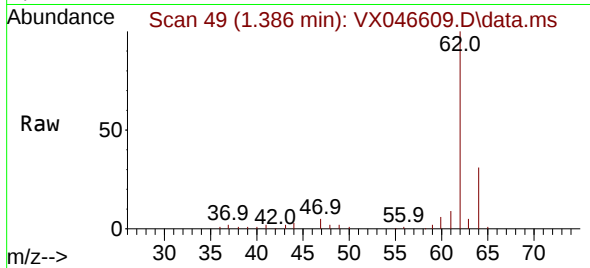




#4
 Vinyl Chloride
 Concen: 42.093 ug/l
 RT: 1.386 min Scan# 49
 Delta R.T. -0.000 min
 Lab File: VX046609.D
 Acq: 10 Jun 2025 17:28

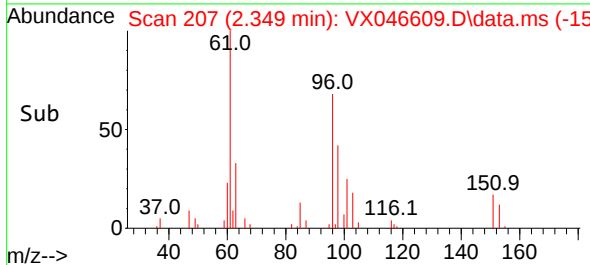
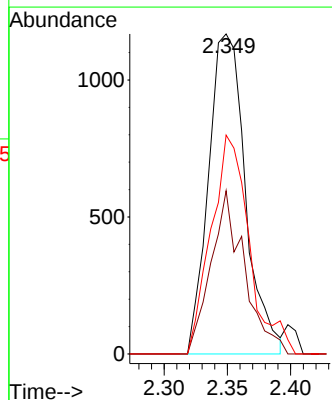
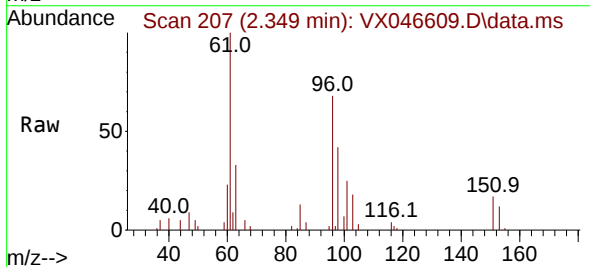
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-060425-FD

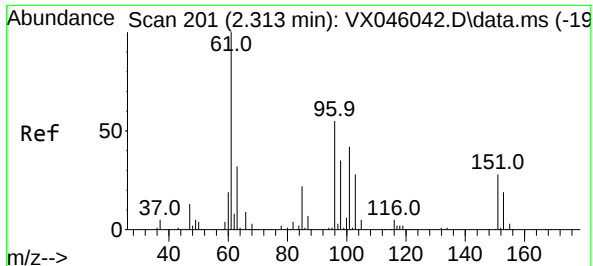
Tgt Ion: 62 Resp: 56899
 Ion Ratio Lower Upper
 62 100
 64 31.3 25.2 37.8



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.685 ug/l
 RT: 2.349 min Scan# 207
 Delta R.T. 0.000 min
 Lab File: VX046609.D
 Acq: 10 Jun 2025 17:28

Tgt Ion: 101 Resp: 2375
 Ion Ratio Lower Upper
 101 100
 85 46.2 38.6 58.0
 151 70.6 55.2 82.8





#12

1,1-Dichloroethene

Concen: 6.378 ug/l

RT: 2.337 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425-FD

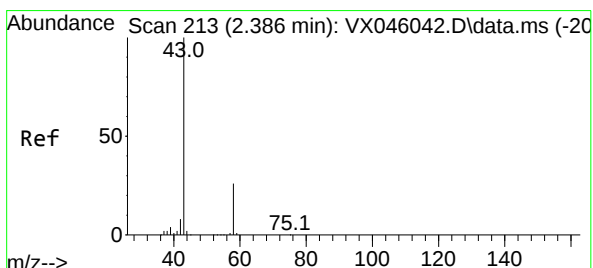
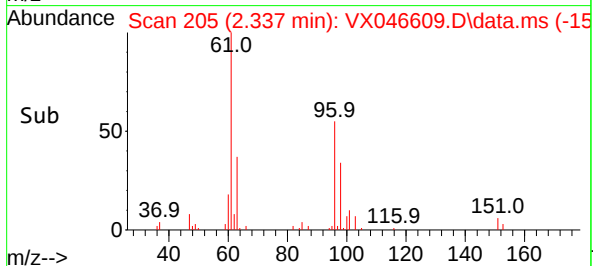
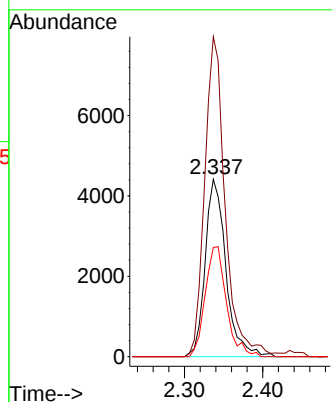
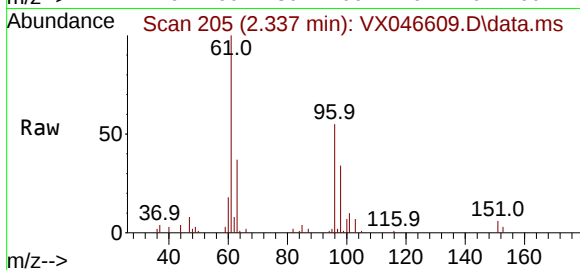
Tgt Ion: 96 Resp: 8125

Ion Ratio Lower Upper

96 100

61 180.4 146.2 219.2

98 61.6 51.0 76.6



#16

Acetone

Concen: 45.021 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX046609.D

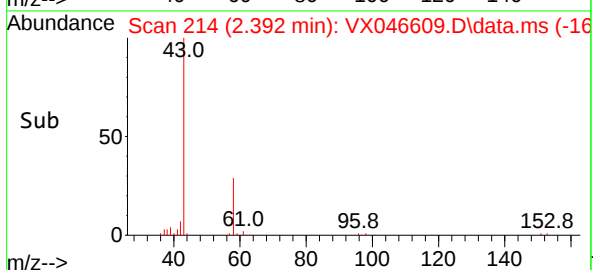
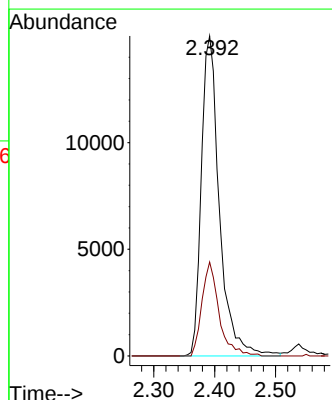
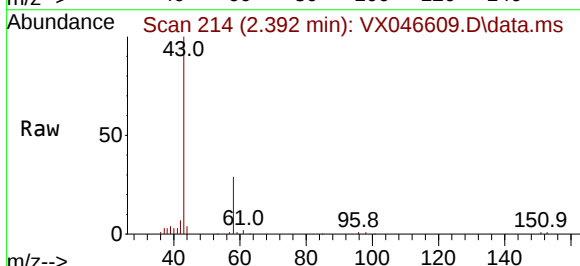
Acq: 10 Jun 2025 17:28

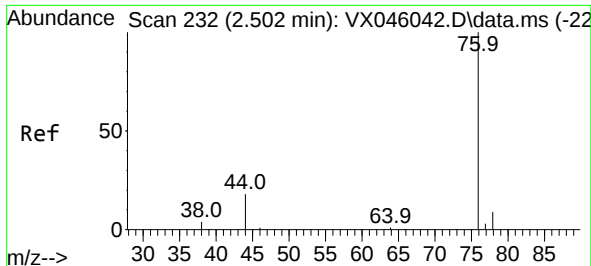
Tgt Ion: 43 Resp: 30875

Ion Ratio Lower Upper

43 100

58 29.4 21.2 31.8





#17

Carbon Disulfide

Concen: 8.658 ug/l

RT: 2.532 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

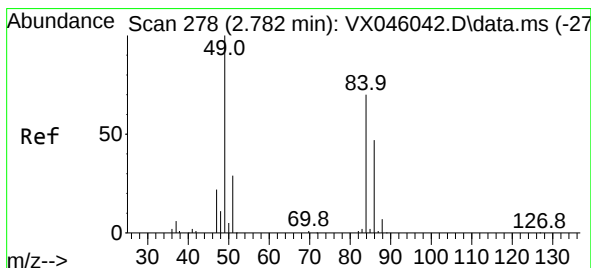
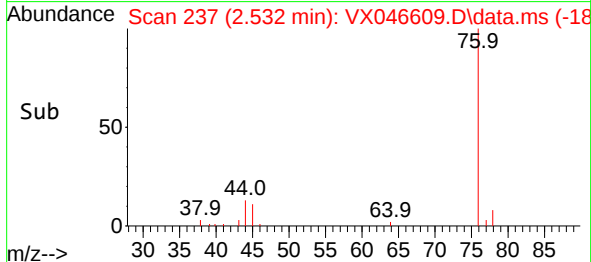
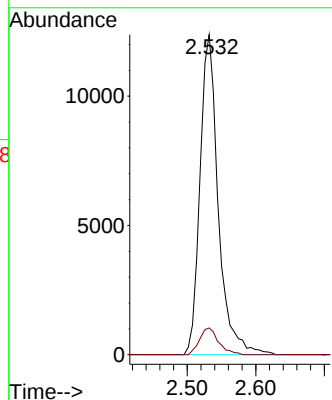
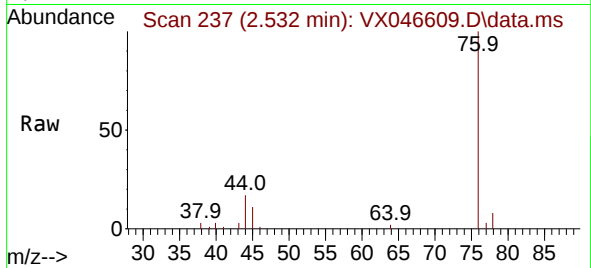
MW-18B-56-060425-FD

Tgt Ion: 76 Resp: 22966

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.4



#20

Methylene Chloride

Concen: 2.244 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.000 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

Tgt Ion: 84 Resp: 3437

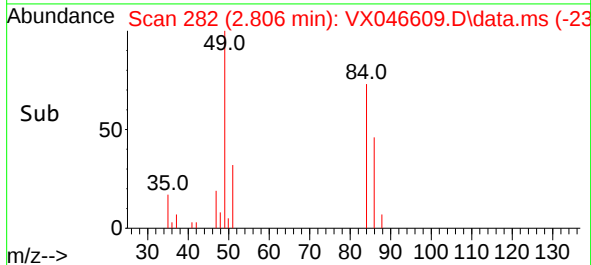
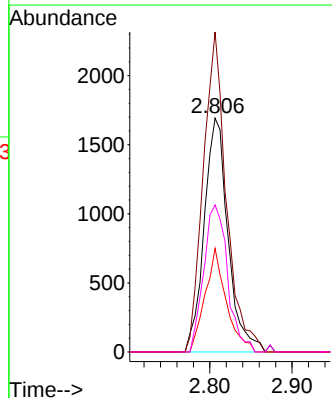
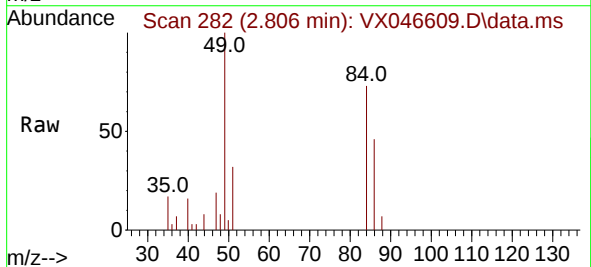
Ion Ratio Lower Upper

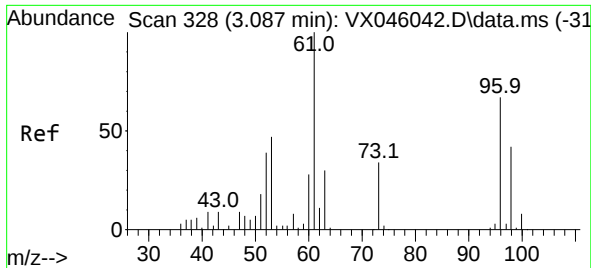
84 100

49 136.9 113.9 170.9

51 44.3 33.5 50.3

86 62.9 53.8 80.8

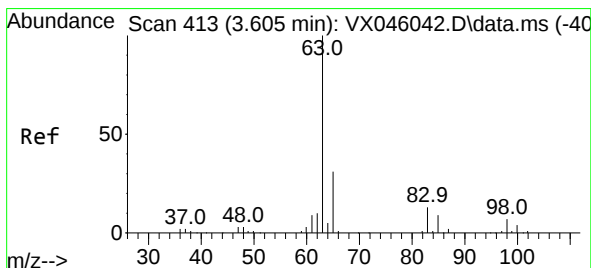
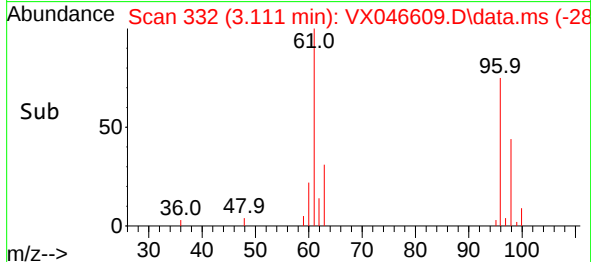
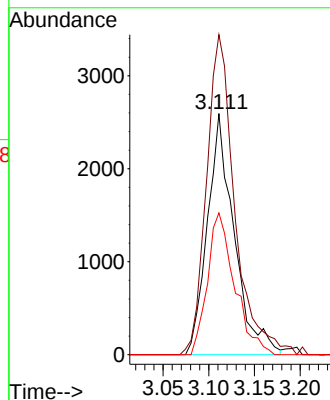
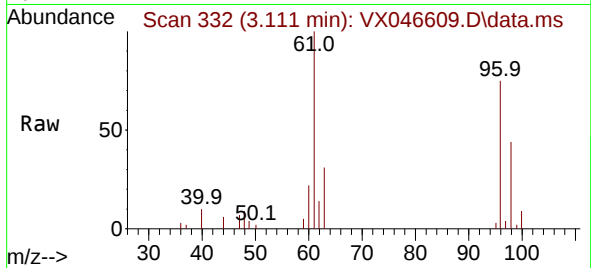




#21
trans-1,2-Dichloroethene
Concen: 3.921 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

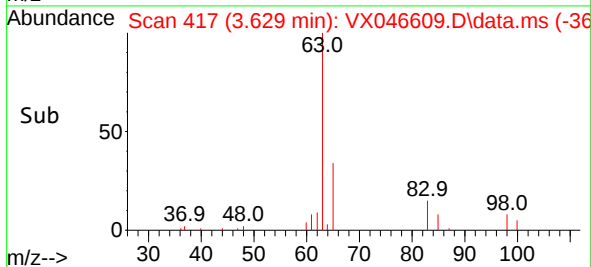
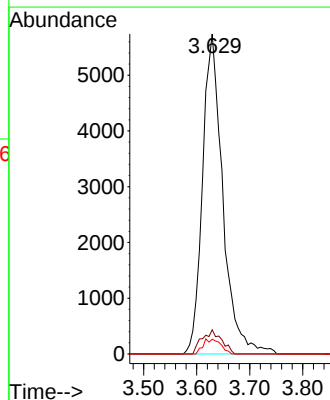
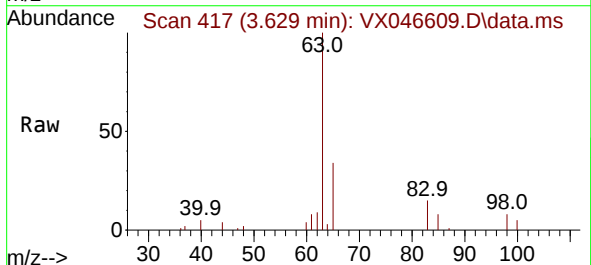
Instrument :
MSVOA_X
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MW-18B-56-060425-FD

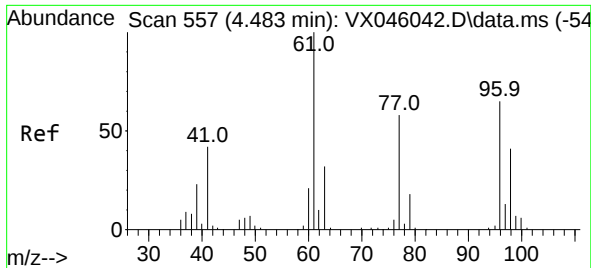
Tgt Ion: 96 Resp: 5287
Ion Ratio Lower Upper
96 100
61 132.7 119.5 179.3
98 58.8 50.0 75.0



#24
1,1-Dichloroethane
Concen: 5.541 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.000 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

Tgt Ion: 63 Resp: 15235
Ion Ratio Lower Upper
63 100
98 7.5 3.6 10.8
100 4.6 2.1 6.3





#27

cis-1,2-Dichloroethene

Concen: 566.537 ug/l

RT: 4.501 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425-FD

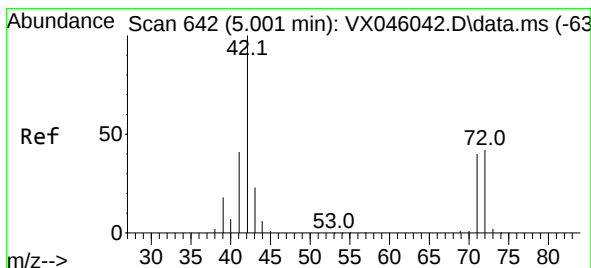
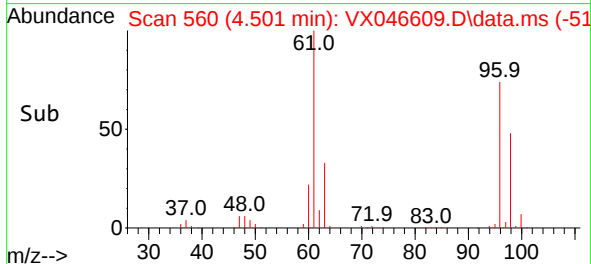
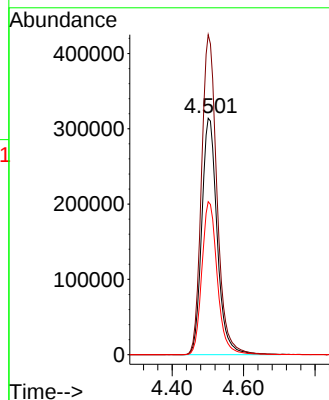
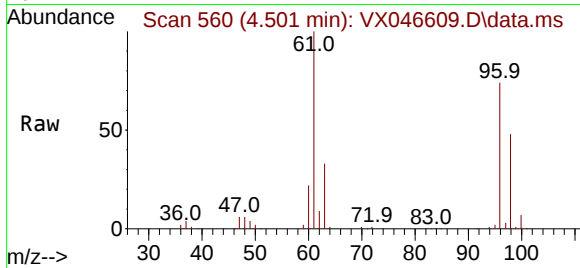
Tgt Ion: 96 Resp: 940302

Ion Ratio Lower Upper

96 100

61 135.7 0.0 322.8

98 64.7 0.0 129.0



#29

Tetrahydrofuran

Concen: 21.763 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.006 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

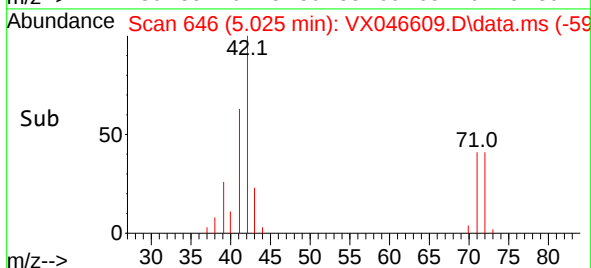
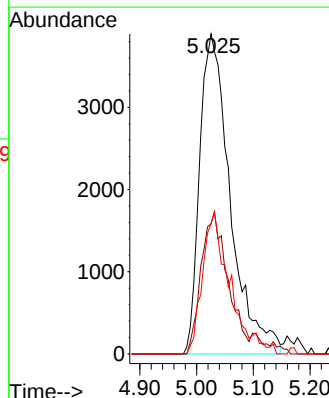
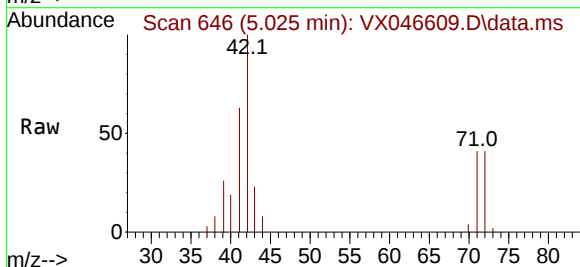
Tgt Ion: 42 Resp: 14607

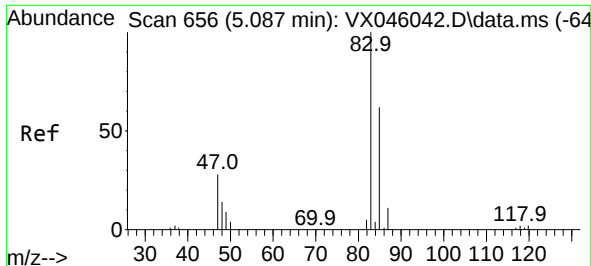
Ion Ratio Lower Upper

42 100

72 38.6 33.7 50.5

71 39.5 31.4 47.2





#30

Chloroform

Concen: 0.651 ug/l

RT: 5.111 min Scan# 6

Delta R.T. -0.000 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

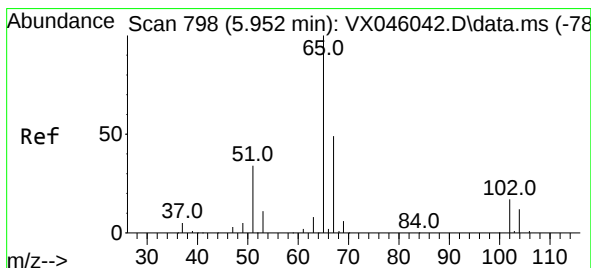
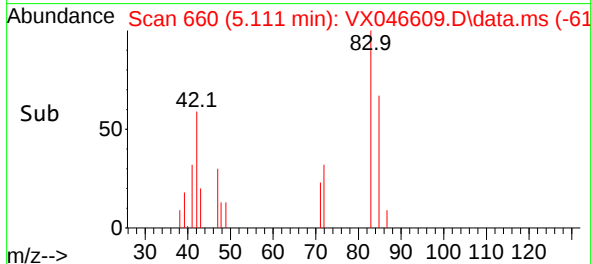
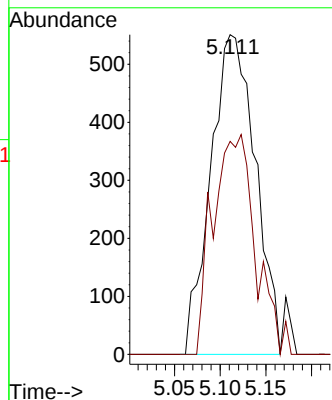
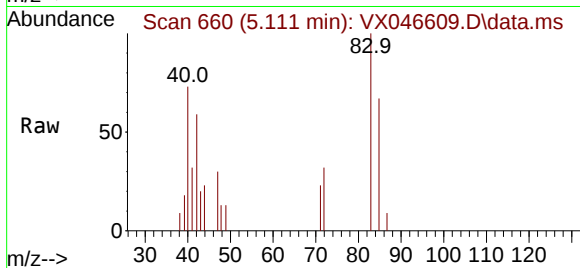
MW-18B-56-060425-FD

Tgt Ion: 83 Resp: 1874

Ion Ratio Lower Upper

83 100

85 66.6 49.3 73.9



#33

1,2-Dichloroethane-d4

Concen: 49.079 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.006 min

Lab File: VX046609.D

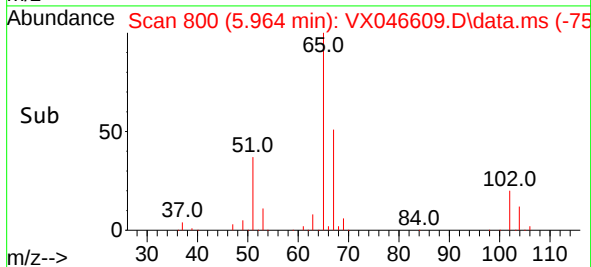
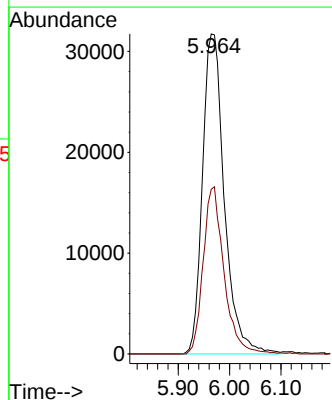
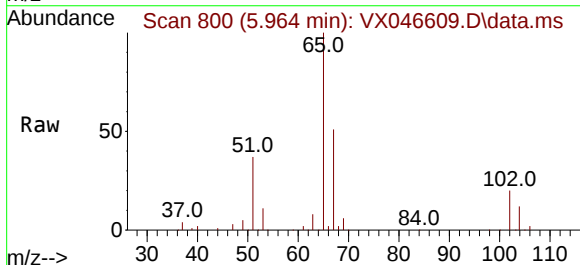
Acq: 10 Jun 2025 17:28

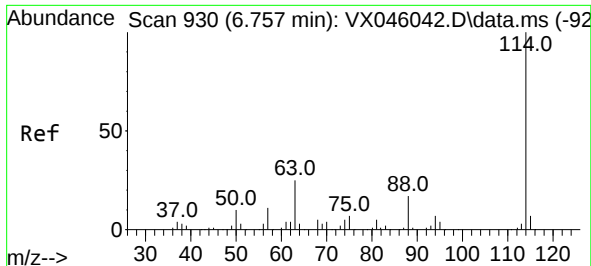
Tgt Ion: 65 Resp: 93697

Ion Ratio Lower Upper

65 100

67 49.8 0.0 99.0

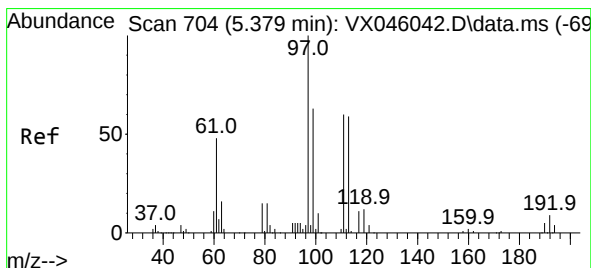
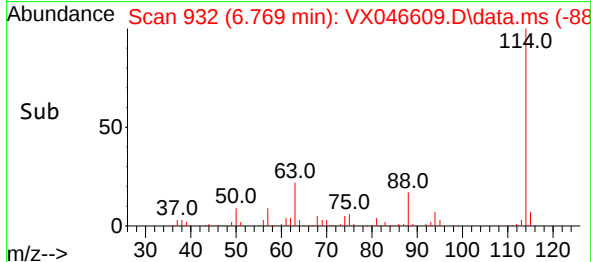
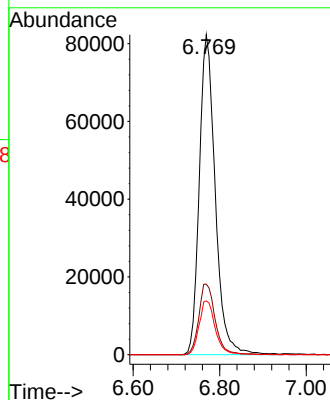
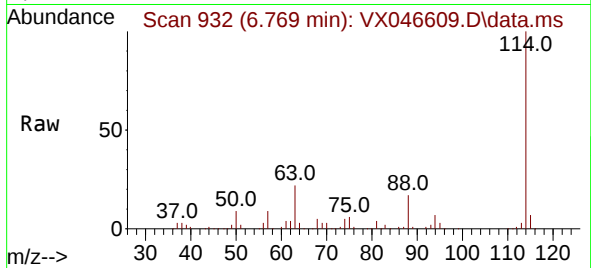




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

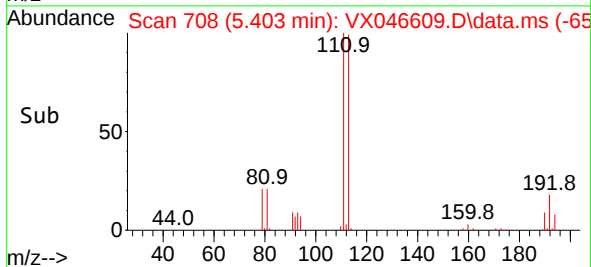
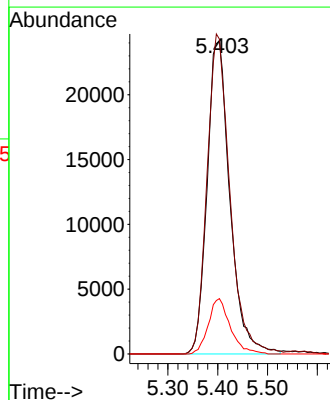
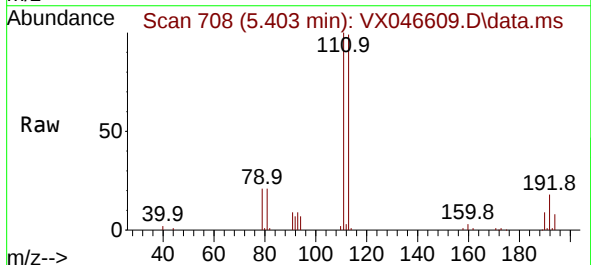
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FD

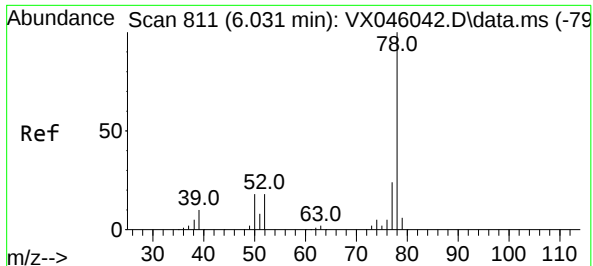
Tgt Ion:114 Resp: 209766
Ion Ratio Lower Upper
114 100
63 22.0 0.0 49.2
88 16.8 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.733 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.000 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

Tgt Ion:113 Resp: 76718
Ion Ratio Lower Upper
113 100
111 102.0 83.1 124.7
192 17.1 13.3 19.9

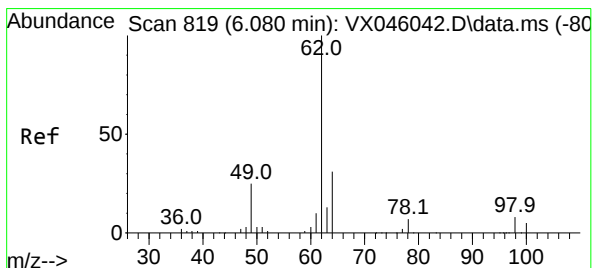
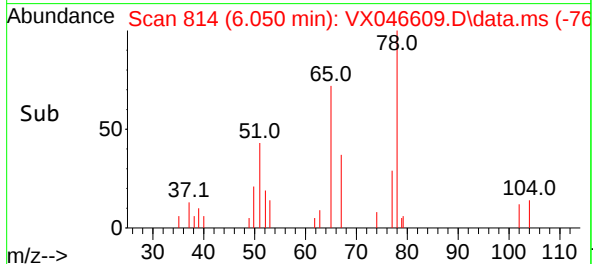
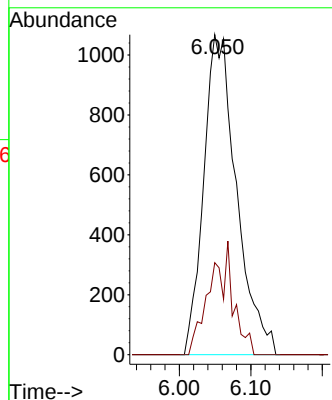
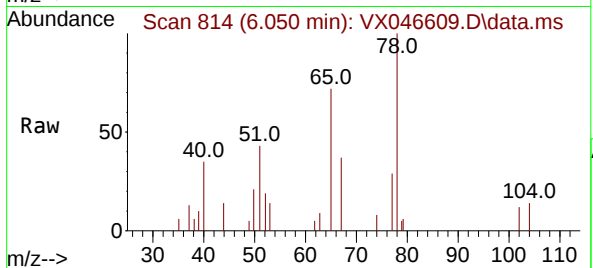




#40
Benzene
Concen: 0.548 ug/l
RT: 6.050 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

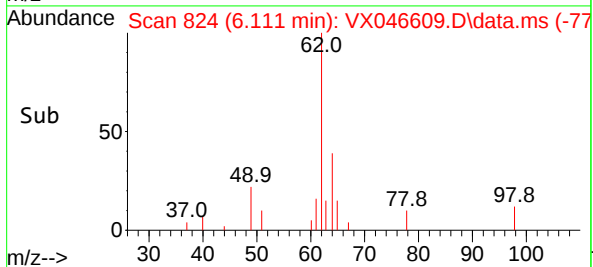
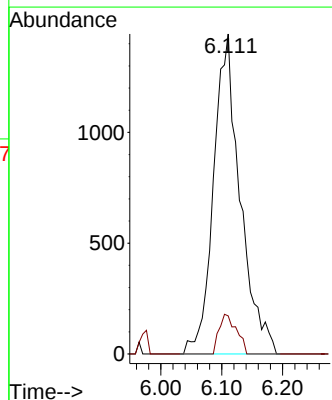
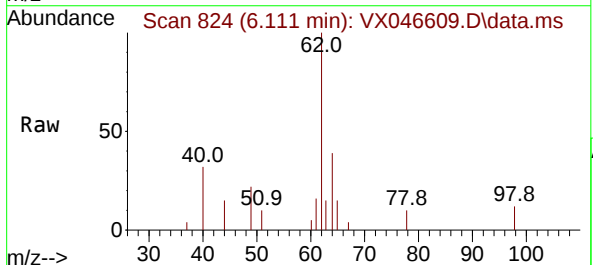
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FD

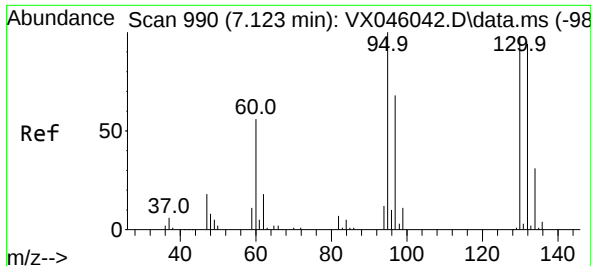
Tgt Ion: 78 Resp: 3398
Ion Ratio Lower Upper
78 100
77 28.7 19.0 28.4#



#42
1,2-Dichloroethane
Concen: 1.699 ug/l
RT: 6.111 min Scan# 824
Delta R.T. 0.013 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

Tgt Ion: 62 Resp: 4384
Ion Ratio Lower Upper
62 100
98 8.1 0.0 15.2

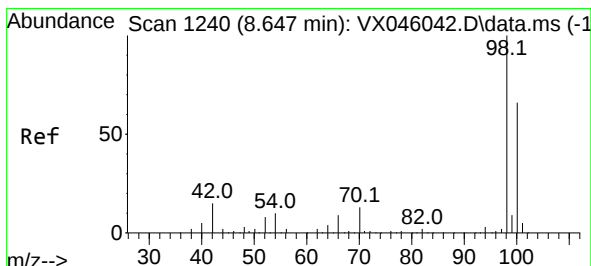
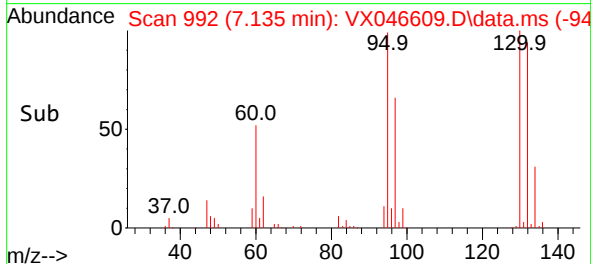
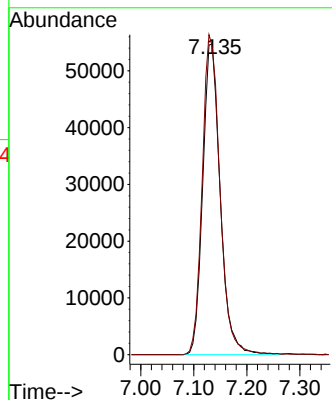
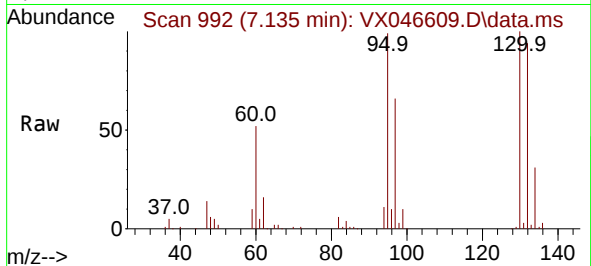




#44
Trichloroethene
Concen: 79.579 ug/l
RT: 7.135 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

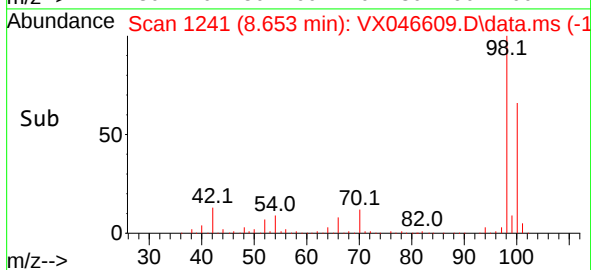
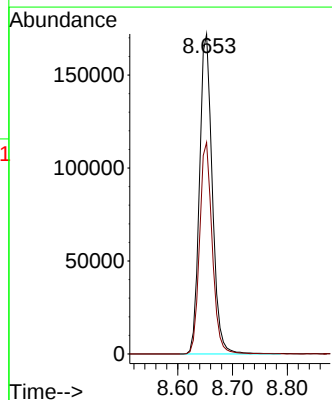
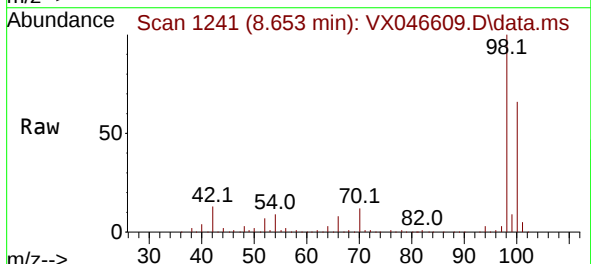
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FD

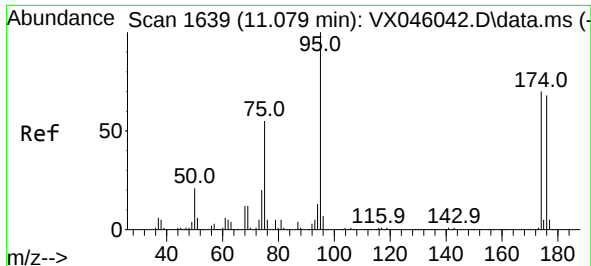
Tgt Ion:130 Resp: 125428
Ion Ratio Lower Upper
130 100
95 99.4 0.0 204.2



#50
Toluene-d8
Concen: 54.877 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

Tgt Ion: 98 Resp: 279093
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3

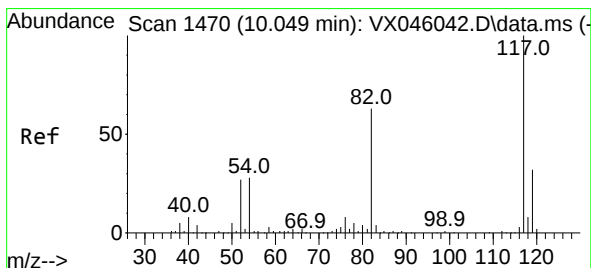
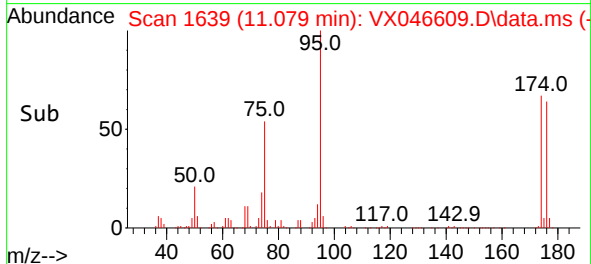
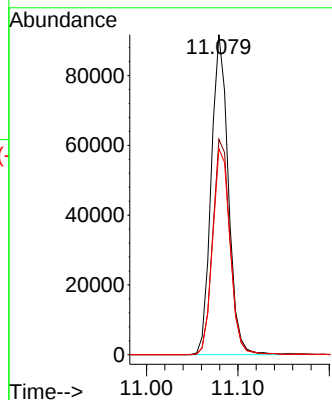
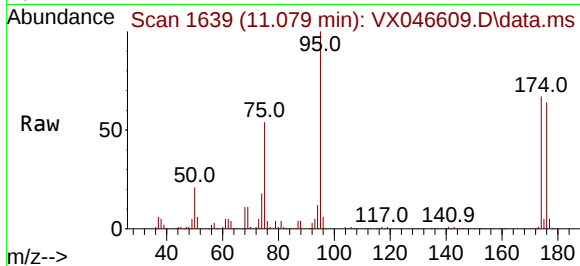




#62
4-Bromofluorobenzene
Concen: 56.470 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

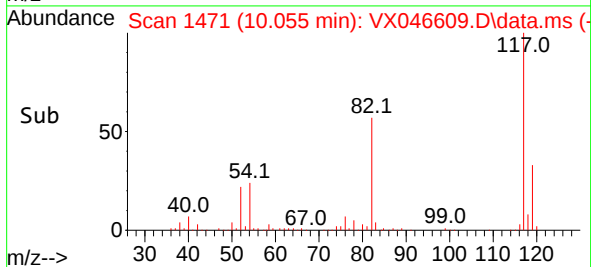
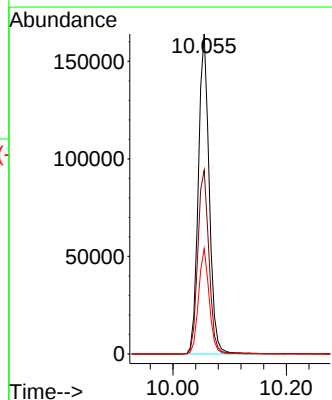
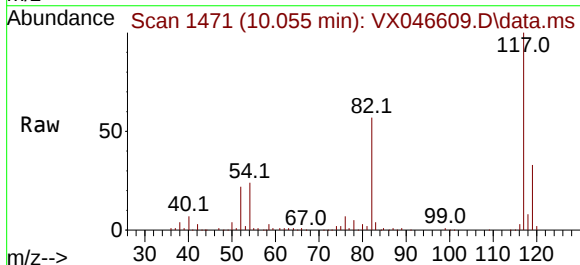
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FD

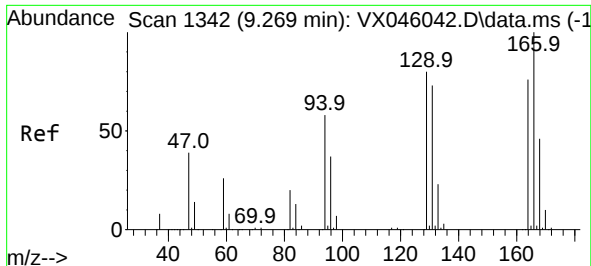
Tgt Ion: 95 Resp: 118825
Ion Ratio Lower Upper
95 100
174 68.1 0.0 135.8
176 66.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

Tgt Ion: 117 Resp: 218031
Ion Ratio Lower Upper
117 100
82 57.5 50.6 76.0
119 32.9 25.8 38.6

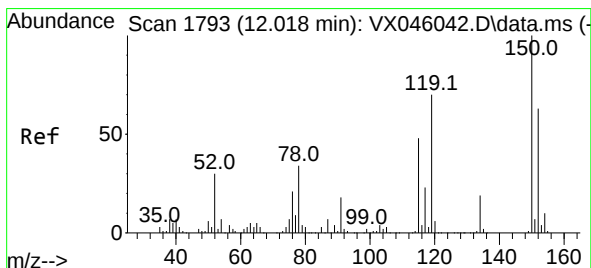
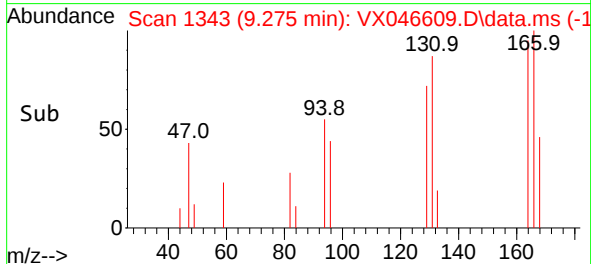
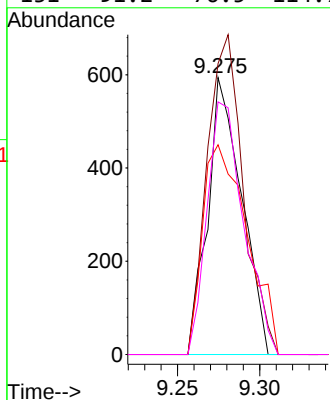
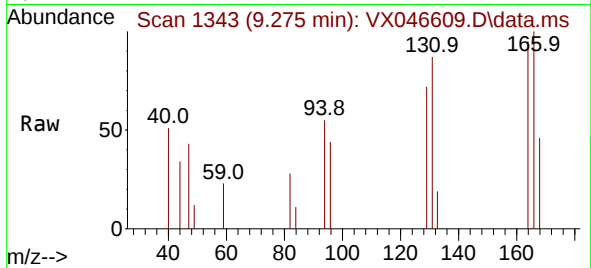




#64
Tetrachloroethene
Concen: 0.586 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FD

Tgt Ion:164	Resp:	855
Ion	Ratio	Lower Upper
164	100	
166	105.1	105.0 157.6
129	75.8	83.5 125.3#
131	91.2	76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

Tgt Ion:152	Resp:	110562
Ion	Ratio	Lower Upper
152	100	
115	64.8	46.9 140.7
150	157.2	0.0 351.0

