

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046610.D
 Acq On : 10 Jun 2025 17:50
 Operator : JC/MD
 Sample : Q2233-04 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-72-060425

Quant Time: Jun 11 01:53:20 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)

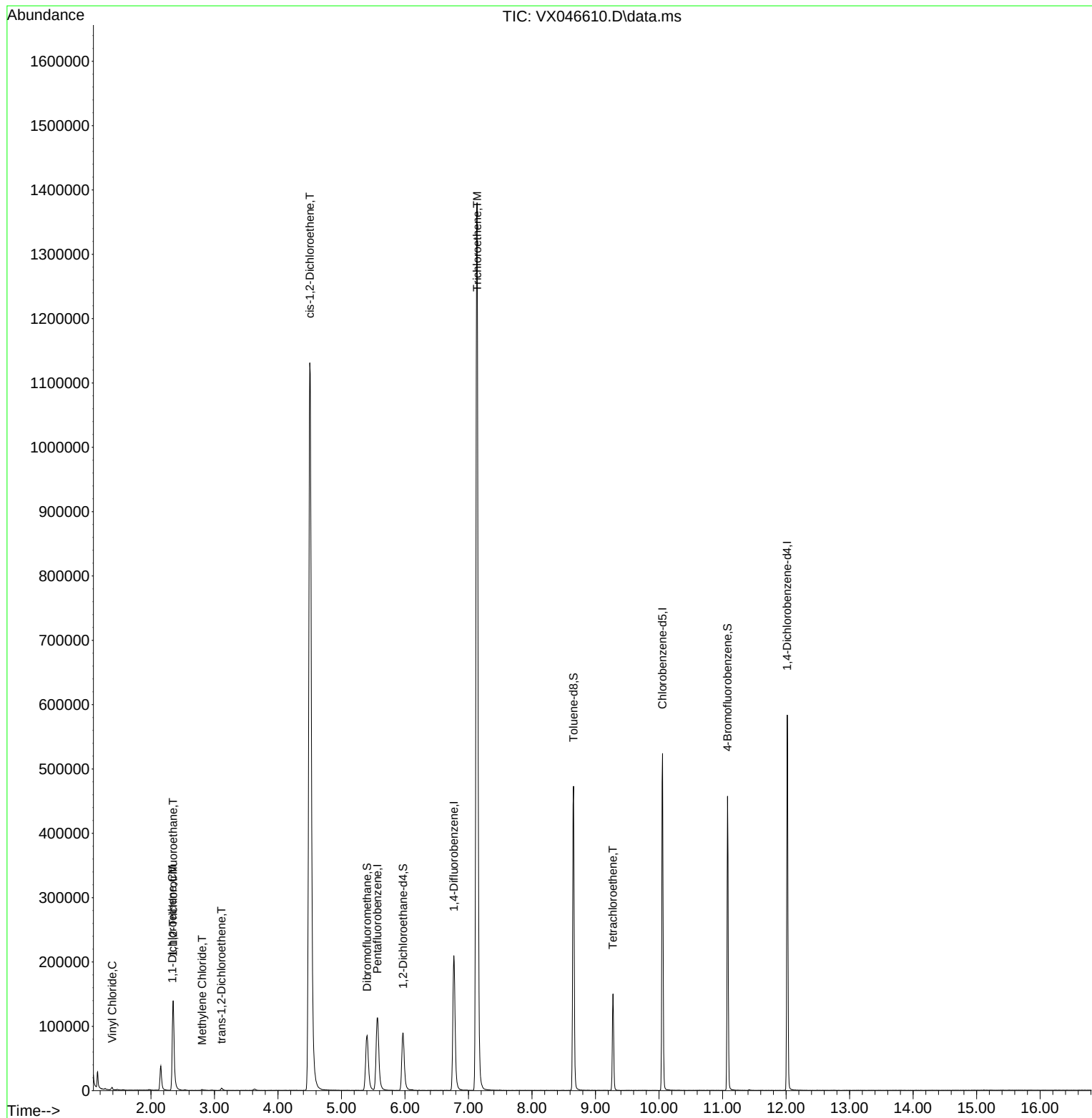
Internal Standards						
1) Pentafluorobenzene	5.562	168	109464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	216135	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	96616	49.611	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.220%
35) Dibromofluoromethane	5.403	113	79699	50.143	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.280%
50) Toluene-d8	8.653	98	283167	54.037	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.080%
62) 4-Bromofluorobenzene	11.079	95	121181	55.892	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	111.780%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.392	62	2064	1.497	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	61002	42.439	ug/l	98
12) 1,1-Dichloroethene	2.337	96	4513	3.473	ug/l	92
20) Methylene Chloride	2.806	84	617	0.395	ug/l #	76
21) trans-1,2-Dichloroethene	3.111	96	1678	1.220	ug/l	95
27) cis-1,2-Dichloroethene	4.501	96	760857	449.392	ug/l	86
44) Trichloroethene	7.135	130	542537	334.073	ug/l	98
64) Tetrachloroethene	9.275	164	26022	17.466	ug/l	95

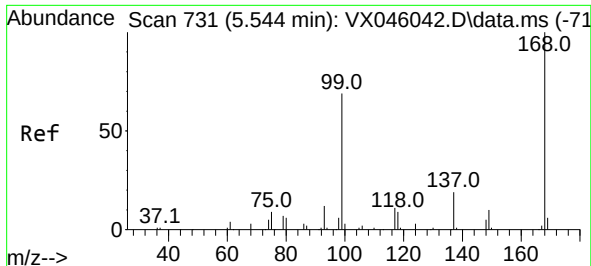
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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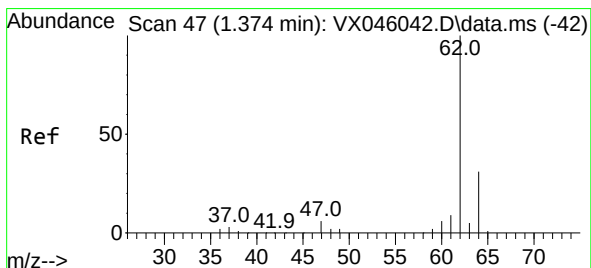
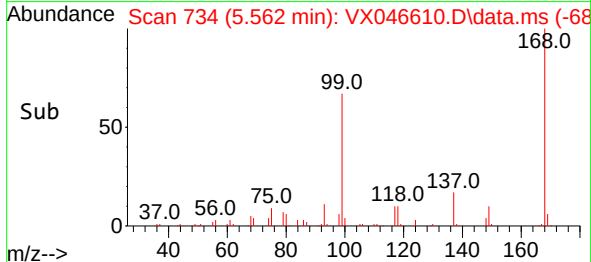
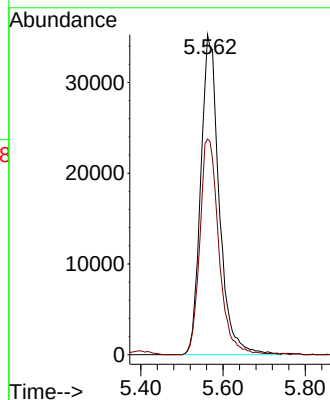
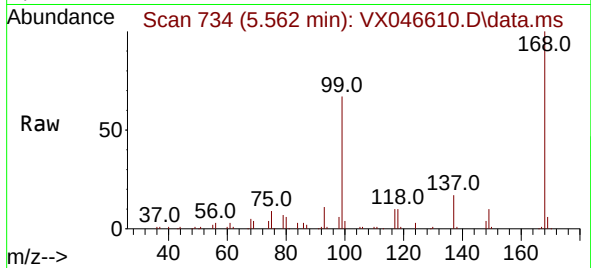




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

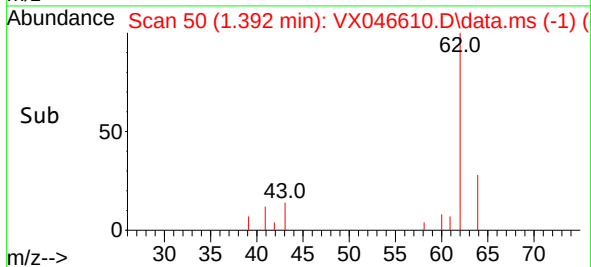
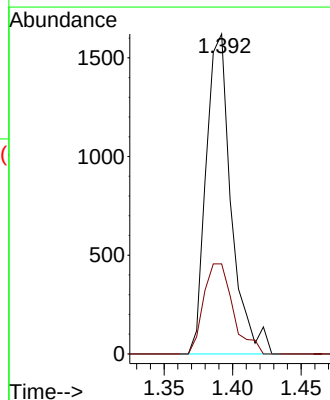
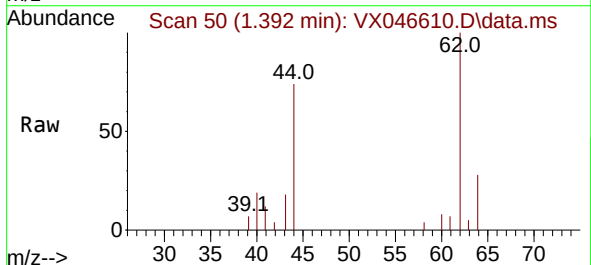
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

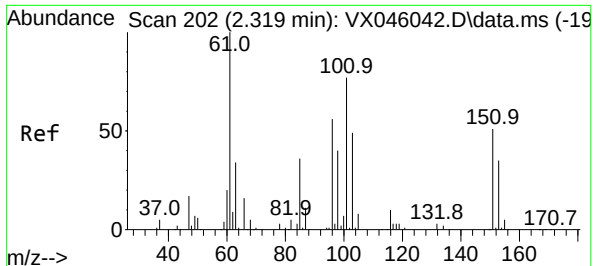
Tgt Ion:168 Resp: 109464
Ion Ratio Lower Upper
168 100
99 67.4 54.9 82.3



#4
Vinyl Chloride
Concen: 1.497 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion: 62 Resp: 2064
Ion Ratio Lower Upper
62 100
64 28.1 25.2 37.8

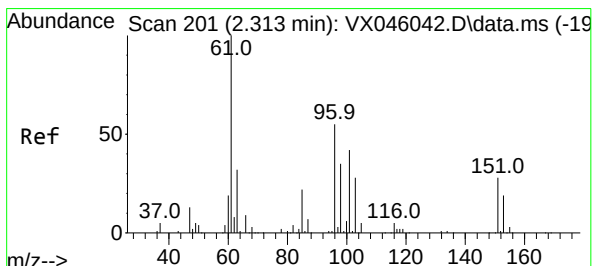
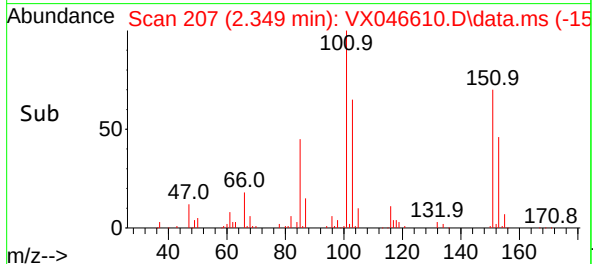
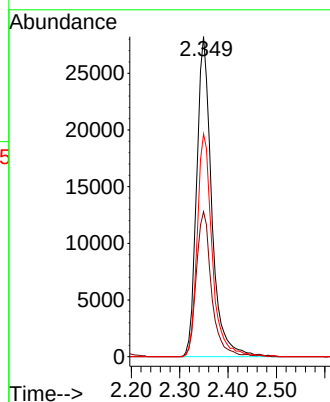
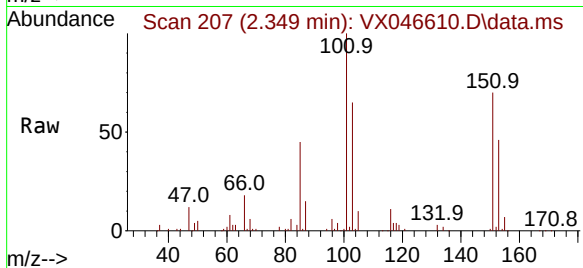




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 42.439 ug/l
 RT: 2.349 min Scan# 205
 Delta R.T. 0.000 min
 Lab File: VX046610.D
 Acq: 10 Jun 2025 17:50

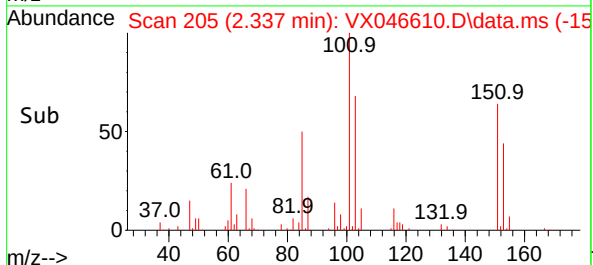
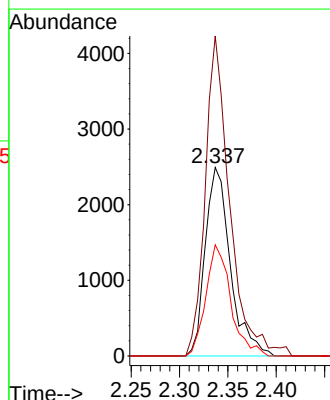
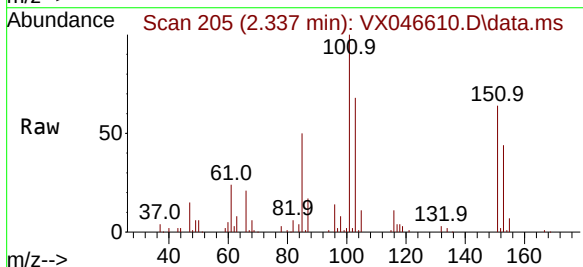
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-72-060425

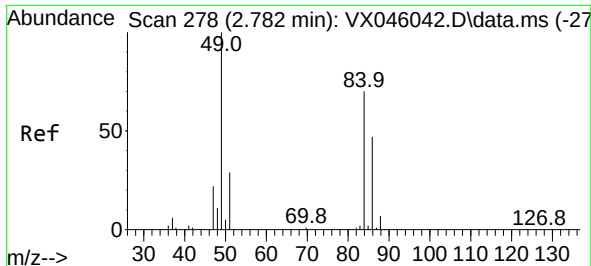
Tgt Ion:101 Resp: 61002
 Ion Ratio Lower Upper
 101 100
 85 46.0 38.6 58.0
 151 69.5 55.2 82.8



#12
 1,1-Dichloroethene
 Concen: 3.473 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. -0.000 min
 Lab File: VX046610.D
 Acq: 10 Jun 2025 17:50

Tgt Ion: 96 Resp: 4513
 Ion Ratio Lower Upper
 96 100
 61 169.7 146.2 219.2
 98 59.0 51.0 76.6

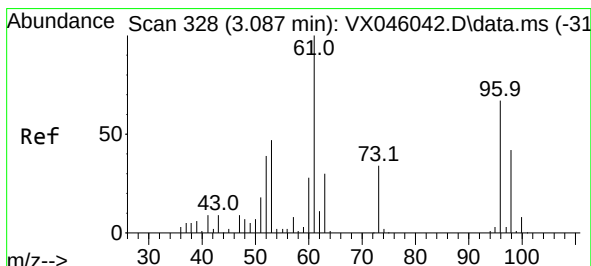
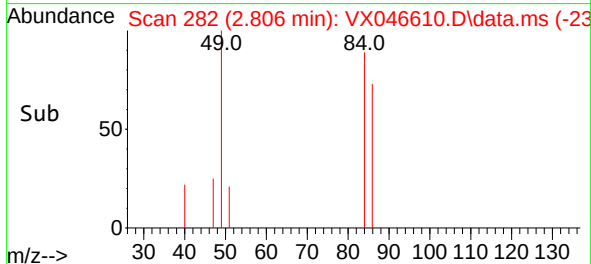
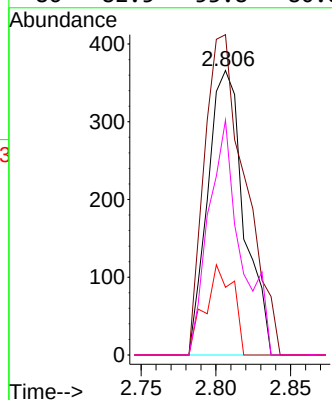
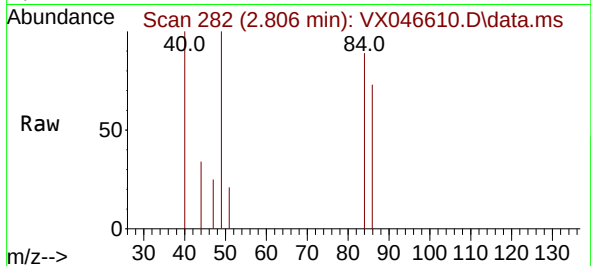




#20
Methylene Chloride
Concen: 0.395 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

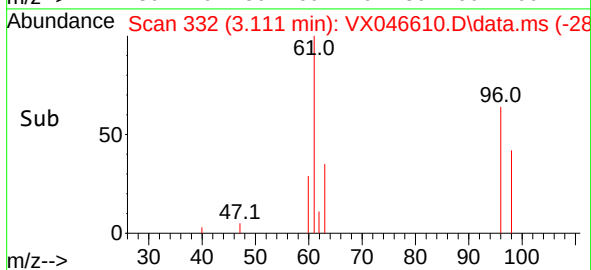
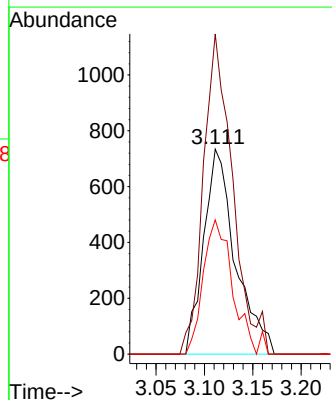
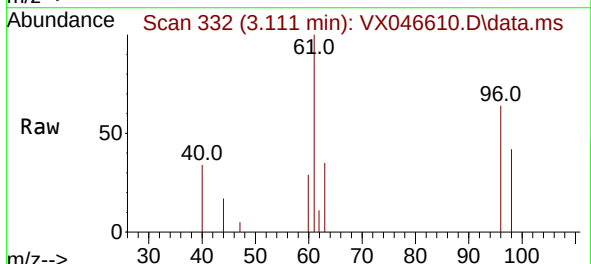
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

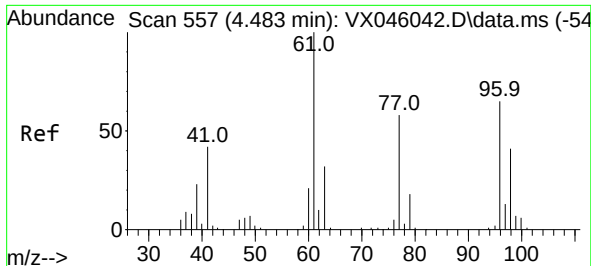
Tgt Ion:	84	Resp:	617
Ion	Ratio	Lower	Upper
84	100		
49	112.6	113.9	170.9#
51	23.8	33.5	50.3#
86	82.5	53.8	80.8#



#21
trans-1,2-Dichloroethene
Concen: 1.220 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion:	96	Resp:	1678
Ion	Ratio	Lower	Upper
96	100		
61	156.3	119.5	179.3
98	65.5	50.0	75.0





#27

cis-1,2-Dichloroethene

Concen: 449.392 ug/l

RT: 4.501 min Scan# 501

Delta R.T. -0.006 min

Lab File: VX046610.D

Acq: 10 Jun 2025 17:50

Instrument :

MSVOA_X

ClientSampleId :

MW-19B-72-060425

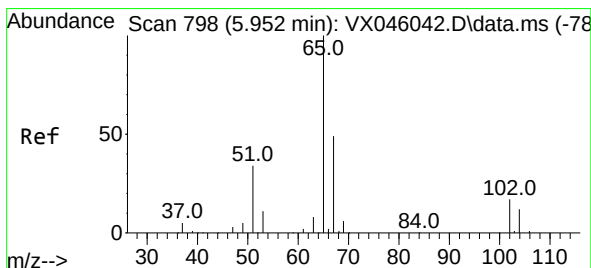
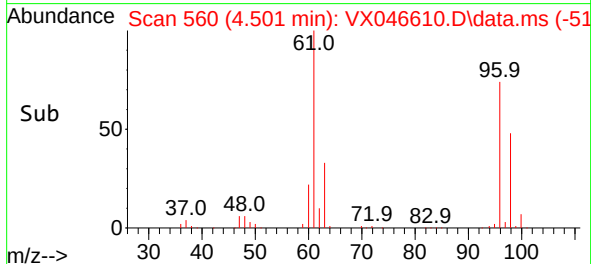
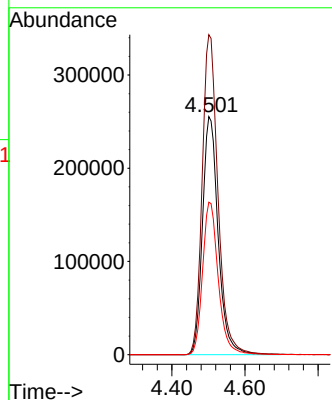
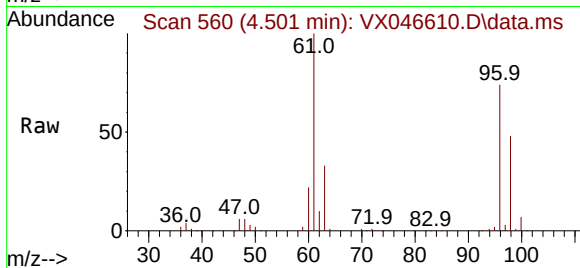
Tgt Ion: 96 Resp: 760857

Ion Ratio Lower Upper

96 100

61 135.2 0.0 322.8

98 64.0 0.0 129.0



#33

1,2-Dichloroethane-d4

Concen: 49.611 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046610.D

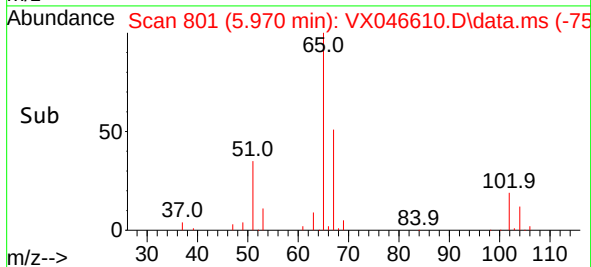
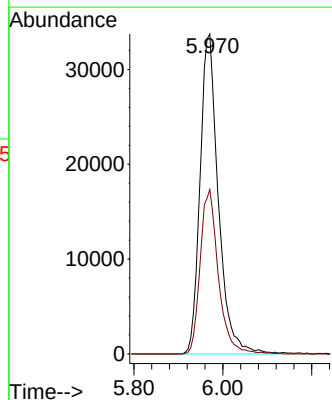
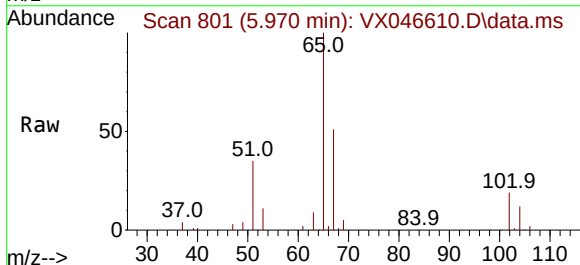
Acq: 10 Jun 2025 17:50

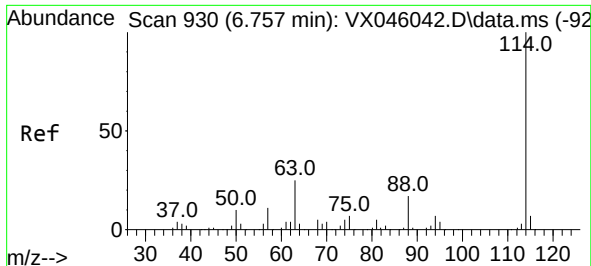
Tgt Ion: 65 Resp: 96616

Ion Ratio Lower Upper

65 100

67 51.1 0.0 99.0

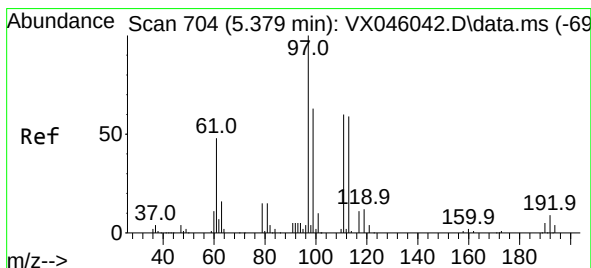
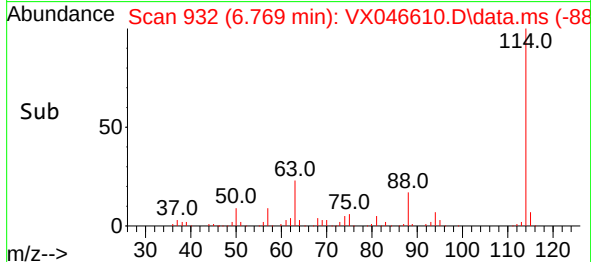
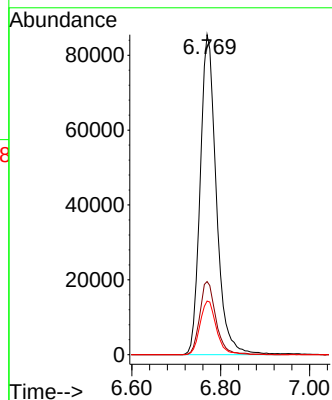
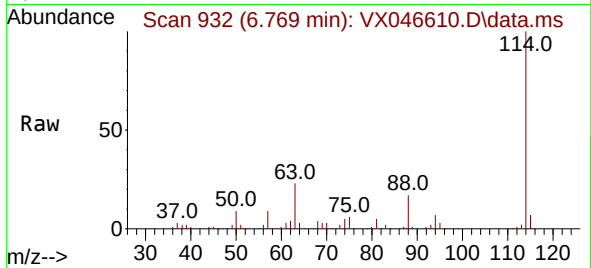




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VX046610.D
 Acq: 10 Jun 2025 17:50

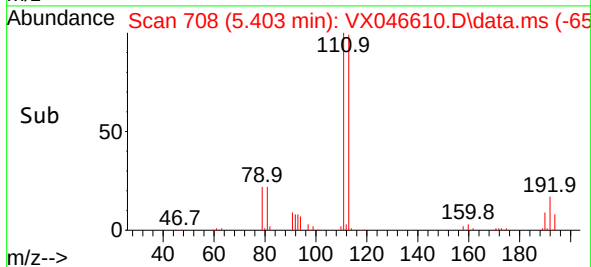
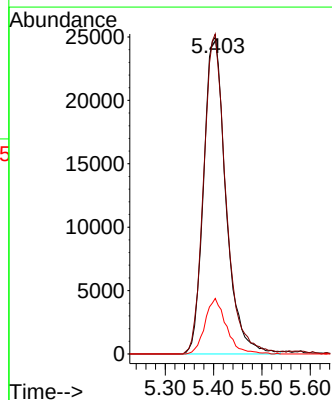
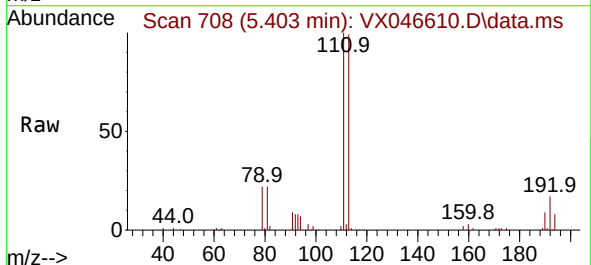
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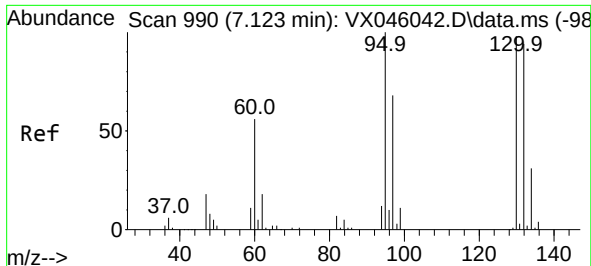
Tgt Ion:114 Resp: 216135
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 49.2
 88 16.8 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.143 ug/l
 RT: 5.403 min Scan# 708
 Delta R.T. 0.000 min
 Lab File: VX046610.D
 Acq: 10 Jun 2025 17:50

Tgt Ion:113 Resp: 79699
 Ion Ratio Lower Upper
 113 100
 111 101.0 83.1 124.7
 192 16.9 13.3 19.9

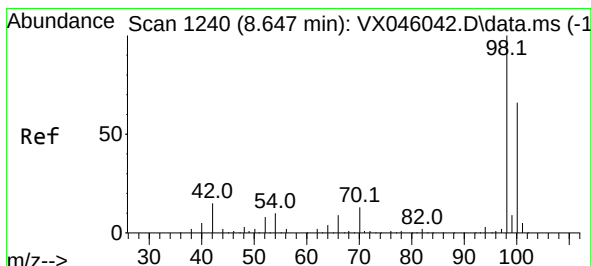
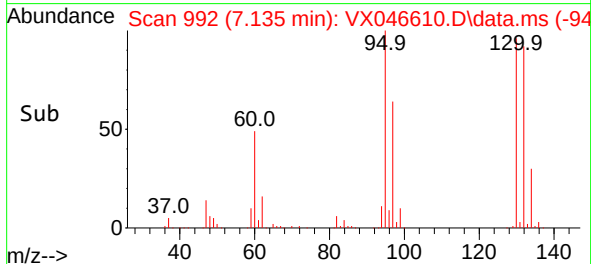
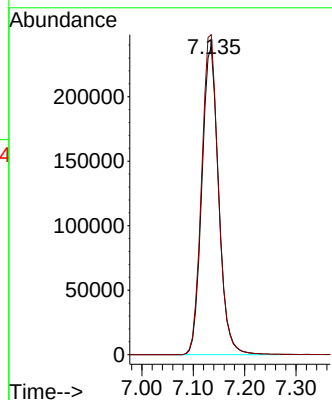
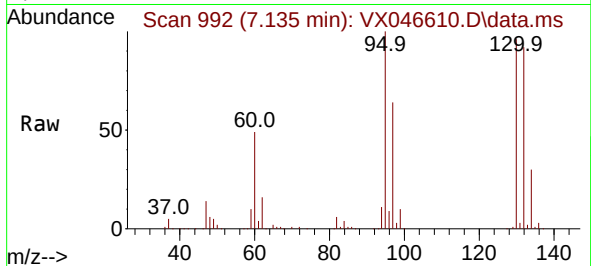




#44
Trichloroethene
Concen: 334.073 ug/l
RT: 7.135 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

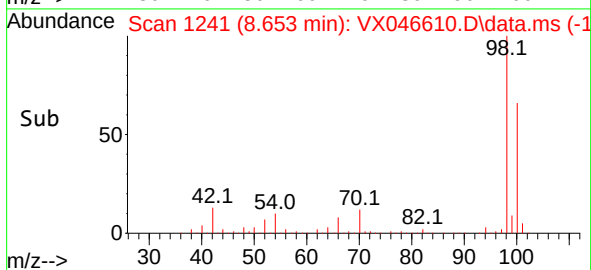
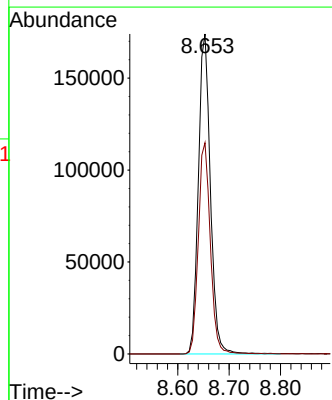
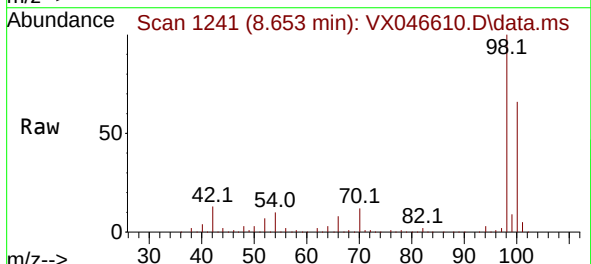
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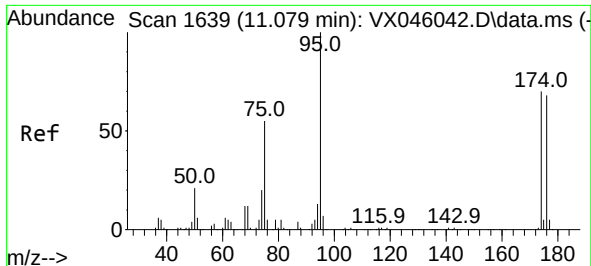
Tgt Ion:130 Resp: 542537
Ion Ratio Lower Upper
130 100
95 103.9 0.0 204.2



#50
Toluene-d8
Concen: 54.037 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion: 98 Resp: 283167
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3

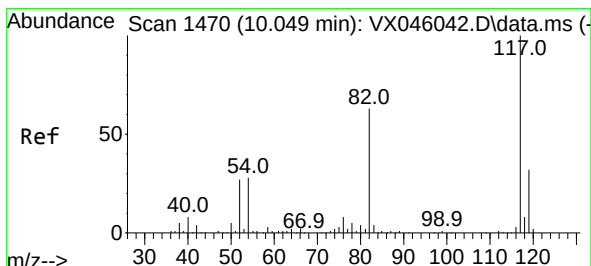
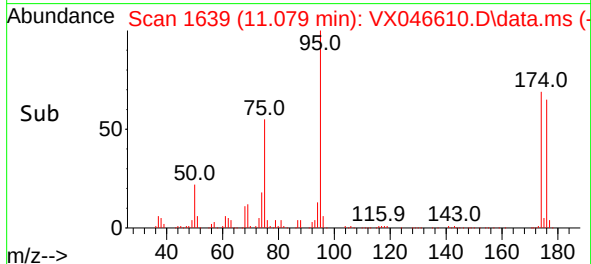
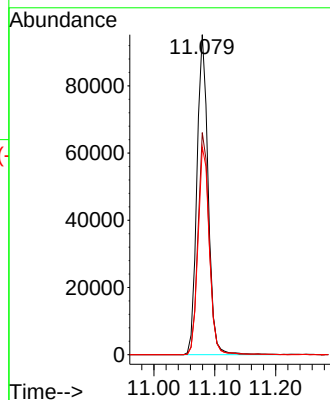
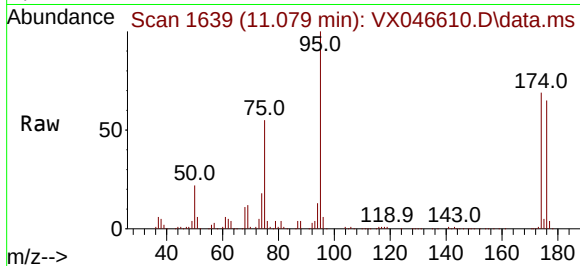




#62
4-Bromofluorobenzene
Concen: 55.892 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

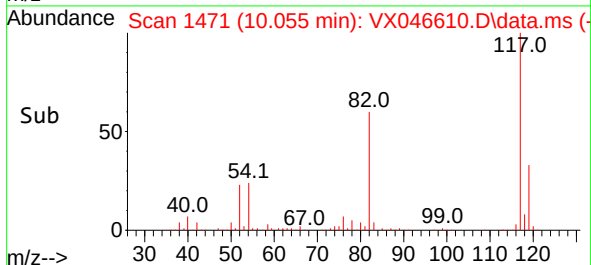
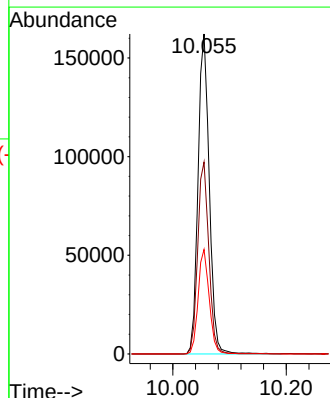
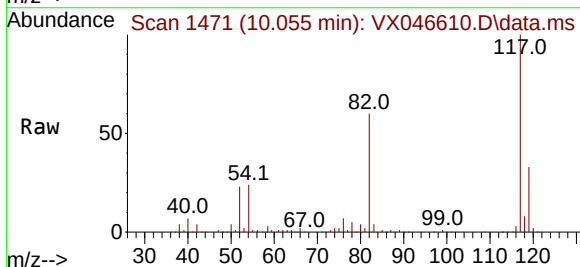
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

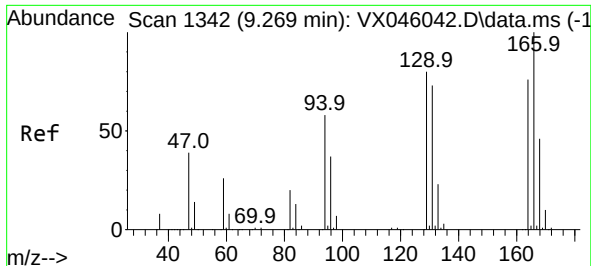
Tgt Ion: 95 Resp: 121181
Ion Ratio Lower Upper
95 100
174 69.5 0.0 135.8
176 65.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion: 117 Resp: 222806
Ion Ratio Lower Upper
117 100
82 60.0 50.6 76.0
119 32.7 25.8 38.6

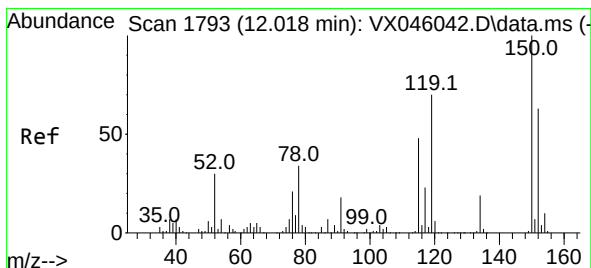
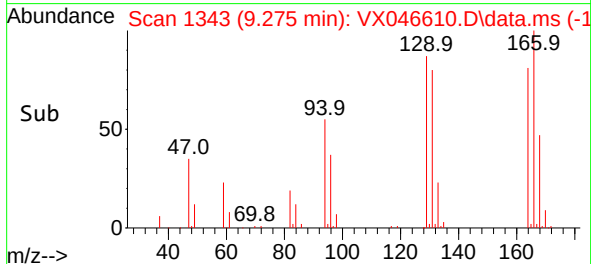
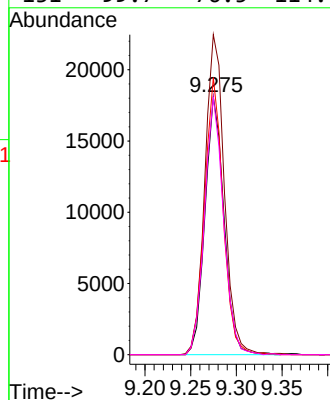
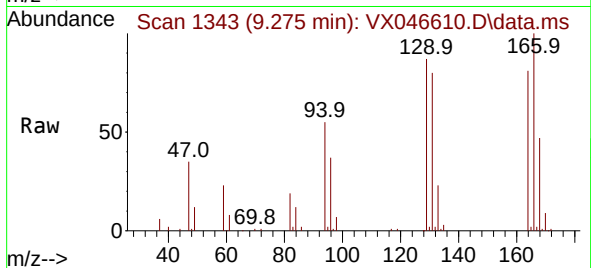




#64
Tetrachloroethene
Concen: 17.466 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

Tgt Ion:164	Resp:	26022	
Ion	Ratio	Lower	Upper
164	100		
166	124.0	105.0	157.6
129	107.4	83.5	125.3
131	99.7	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: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion:152	Resp:	113207	
Ion	Ratio	Lower	Upper
152	100		
115	64.8	46.9	140.7
150	158.3	0.0	351.0

