

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048135.D
 Acq On : 13 Oct 2025 12:46
 Operator : JC/MD
 Sample : Q3311-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-214D

Quant Time: Oct 14 01:53:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

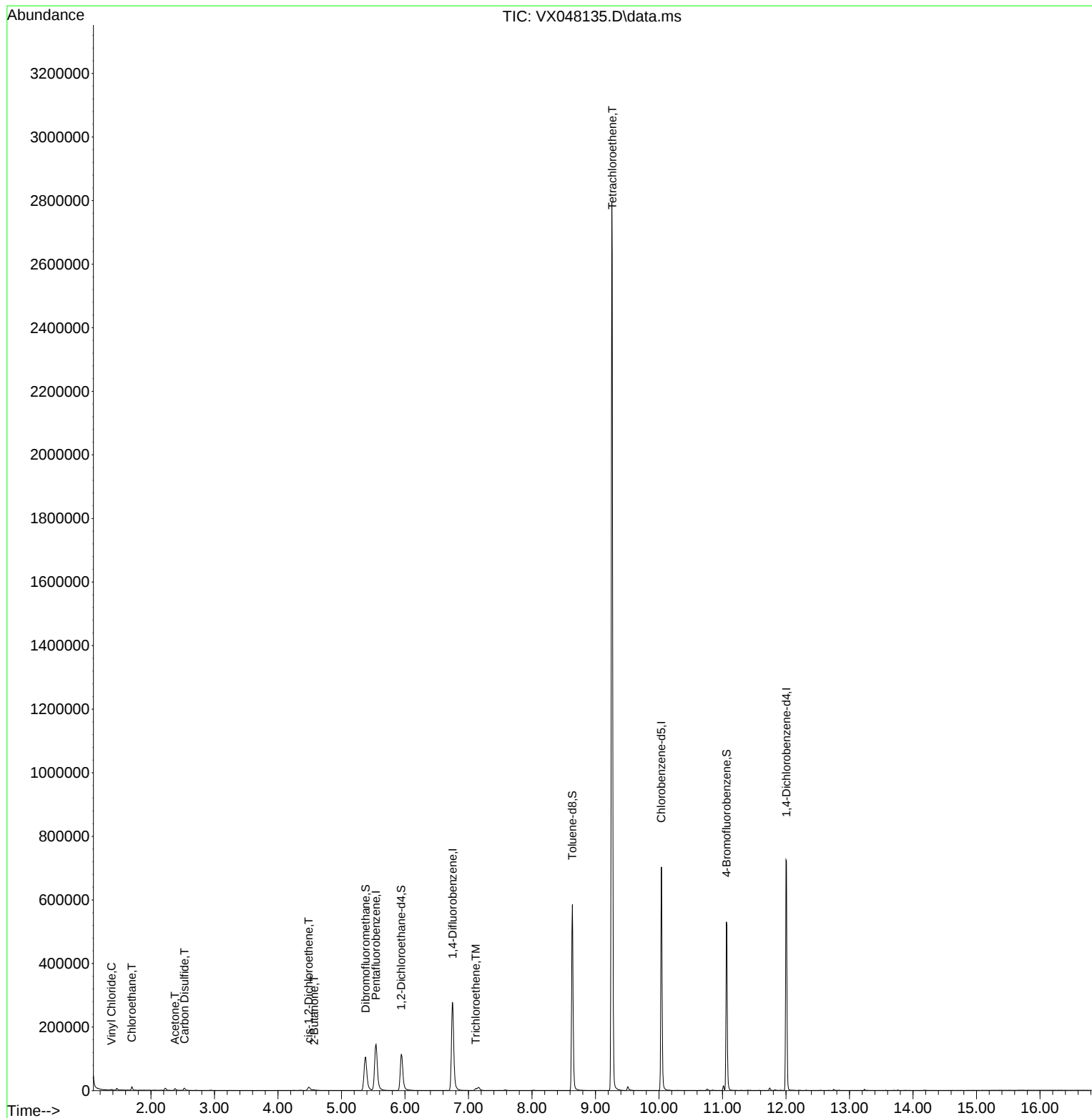
Internal Standards						
1) Pentafluorobenzene	5.544	168	145817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	302188	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	311267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	125049	53.876	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.760%	
35) Dibromofluoromethane	5.379	113	102469	50.561	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.120%	
50) Toluene-d8	8.635	98	352570	50.277	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.560%	
62) 4-Bromofluorobenzene	11.061	95	151759	57.022	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 114.040%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.380	62	711	0.366	ug/l #	74
6) Chloroethane	1.697	64	7422	5.716	ug/l	92
16) Acetone	2.380	43	7850	7.778	ug/l	98
17) Carbon Disulfide	2.526	76	11310	2.385	ug/l	97
25) 2-Butanone	4.568	43	4085	3.245	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	7101	3.109	ug/l	93
44) Trichloroethene	7.117	130	2640	1.214	ug/l	91
64) Tetrachloroethene	9.263	164	520386	256.457	ug/l	97

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

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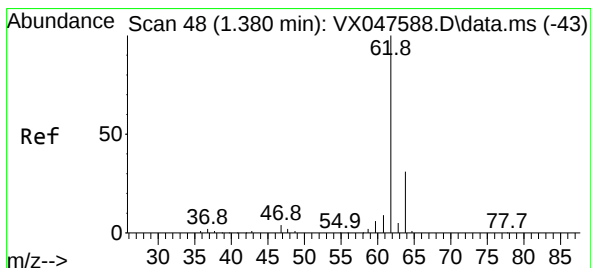
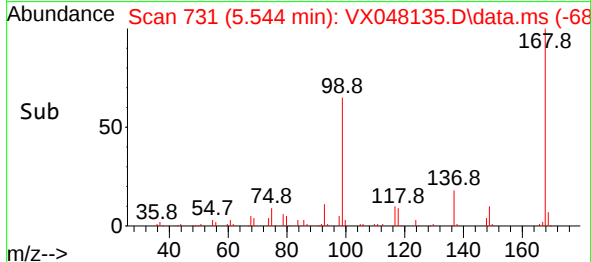
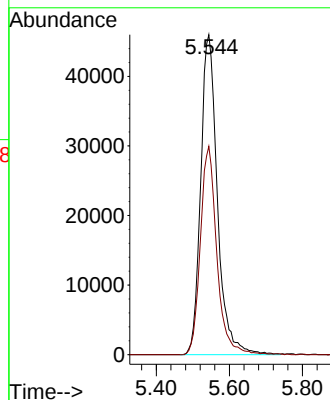
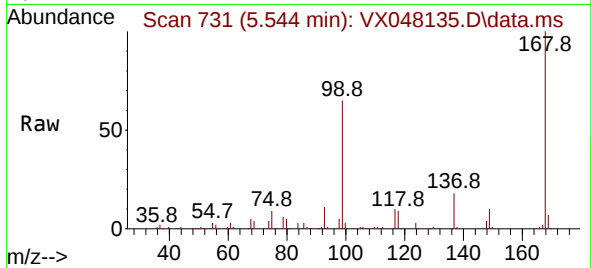




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

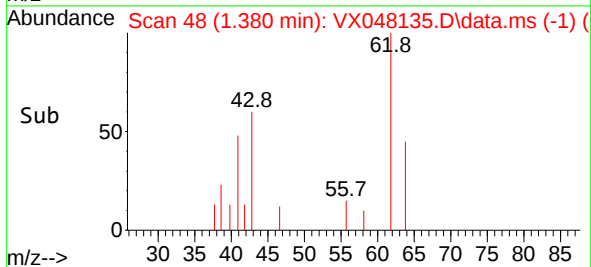
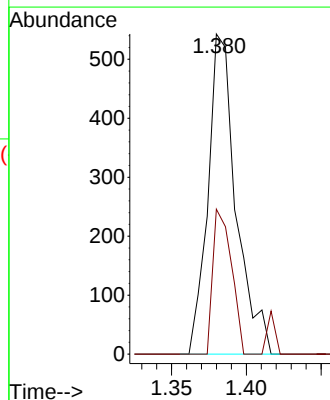
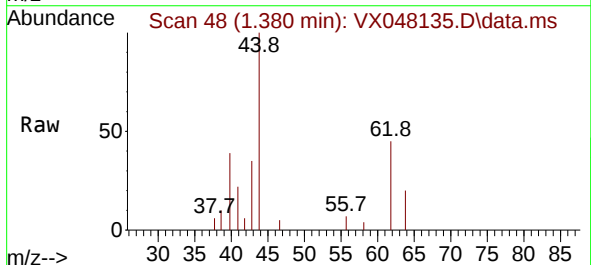
Instrument :
MSVOA_X
ClientSampleId :
MW-214D

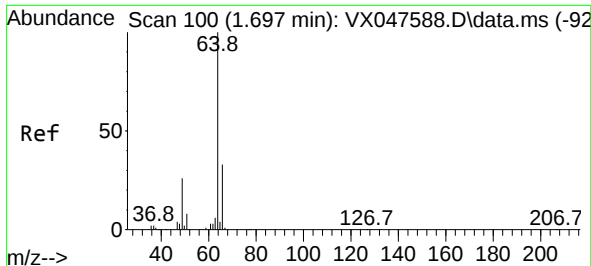
Tgt Ion:168 Resp: 145817
Ion Ratio Lower Upper
168 100
99 65.1 48.8 73.2



#4
Vinyl Chloride
Concen: 0.366 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion: 62 Resp: 711
Ion Ratio Lower Upper
62 100
64 45.3 24.9 37.3#

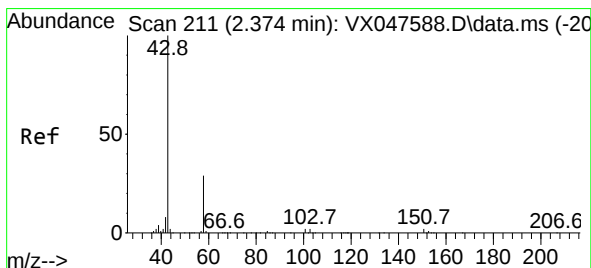
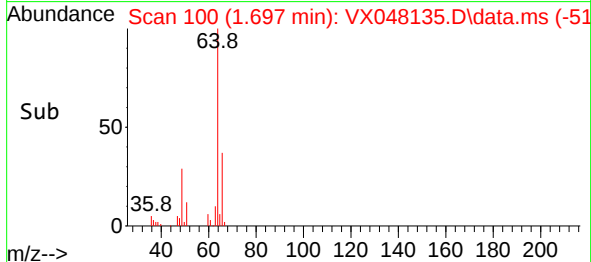
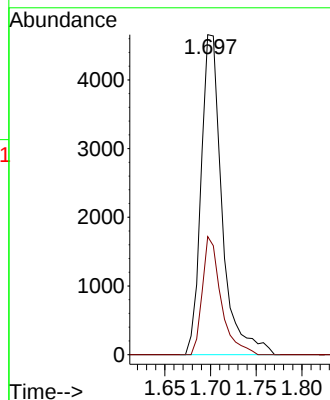
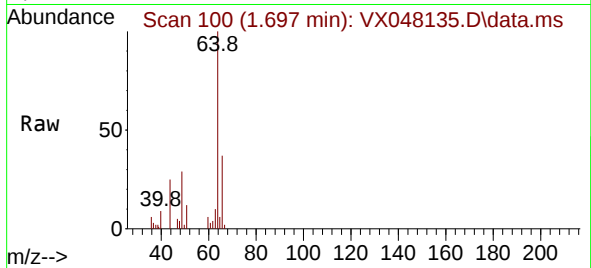




#6
Chloroethane
Concen: 5.716 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

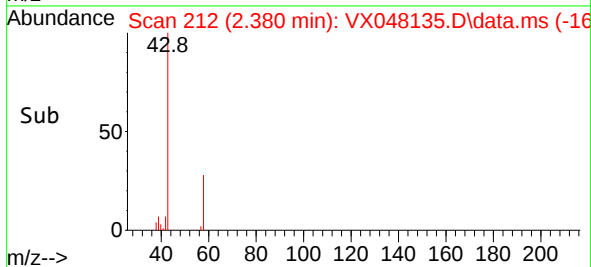
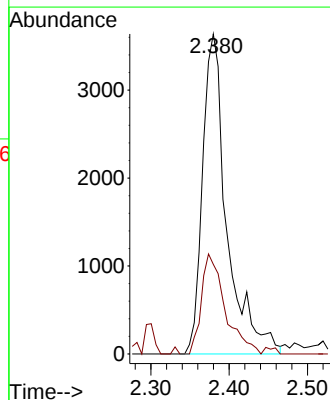
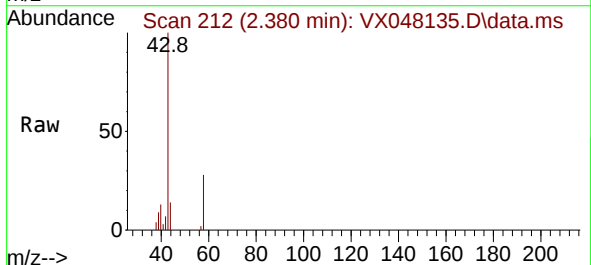
Instrument :
MSVOA_X
ClientSampleId :
MW-214D

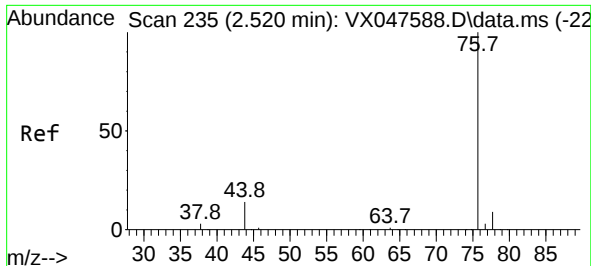
Tgt Ion: 64 Resp: 7422
Ion Ratio Lower Upper
64 100
66 36.9 26.1 39.1



#16
Acetone
Concen: 7.778 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion: 43 Resp: 7850
Ion Ratio Lower Upper
43 100
58 28.0 23.4 35.0





#17

Carbon Disulfide

Concen: 2.385 ug/l

RT: 2.526 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX048135.D

Acq: 13 Oct 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

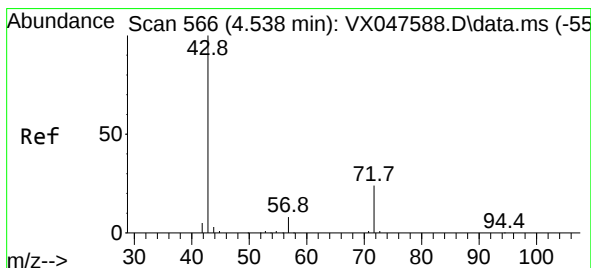
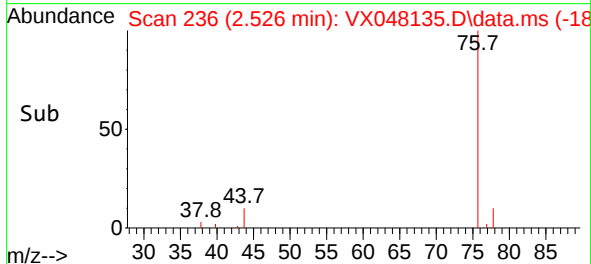
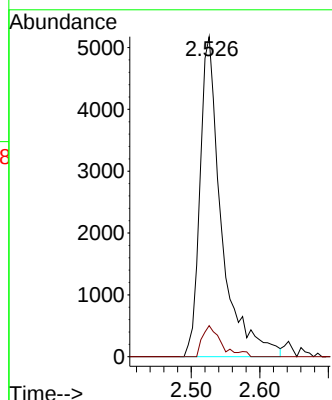
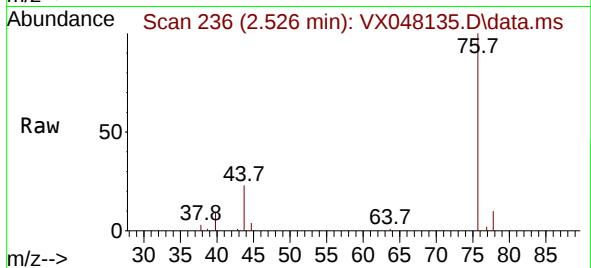
MW-214D

Tgt Ion: 76 Resp: 11310

Ion Ratio Lower Upper

76 100

78 9.7 6.8 10.2



#25

2-Butanone

Concen: 3.245 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.031 min

Lab File: VX048135.D

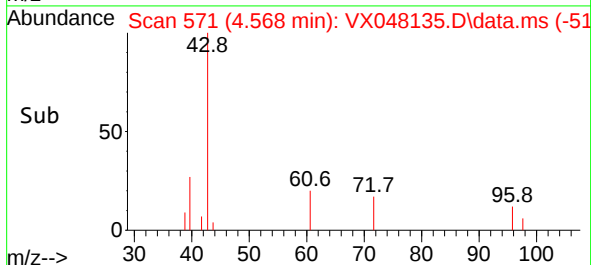
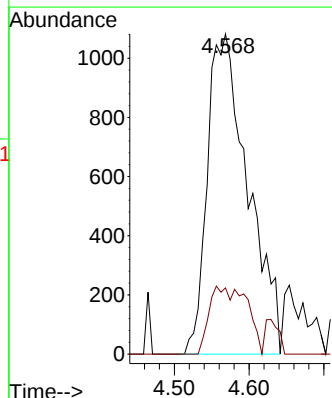
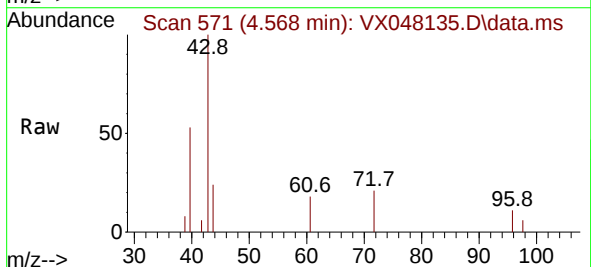
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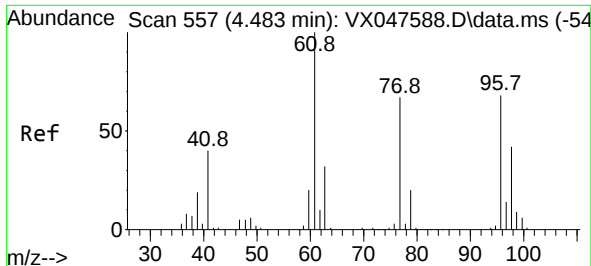
Tgt Ion: 43 Resp: 4085

Ion Ratio Lower Upper

43 100

72 16.6 20.1 30.1#





#27

cis-1,2-Dichloroethene

Concen: 3.109 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX048135.D

Acq: 13 Oct 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

MW-214D

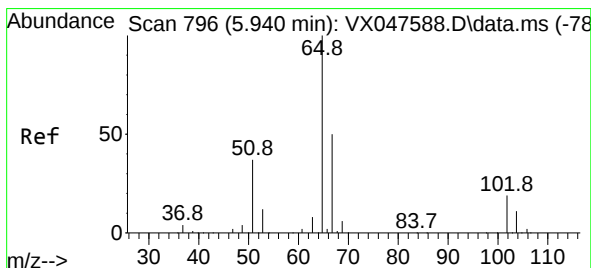
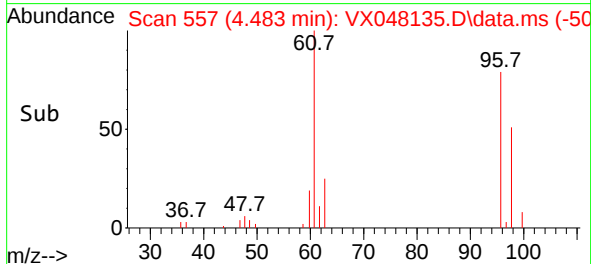
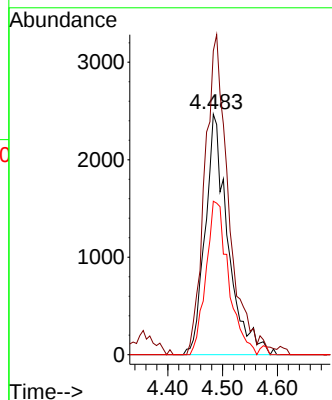
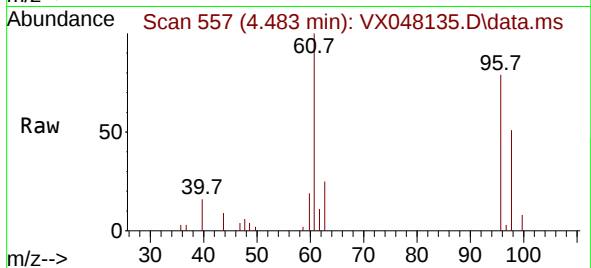
Tgt Ion: 96 Resp: 7101

Ion Ratio Lower Upper

96 100

61 140.1 0.0 303.2

98 63.4 0.0 127.8



#33

1,2-Dichloroethane-d4

Concen: 53.876 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048135.D

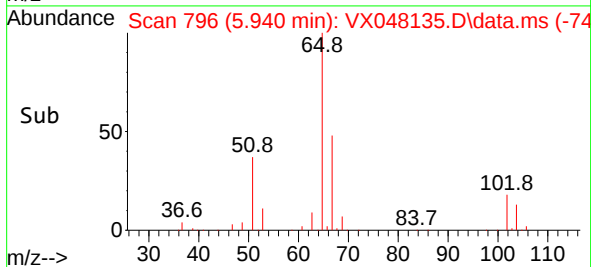
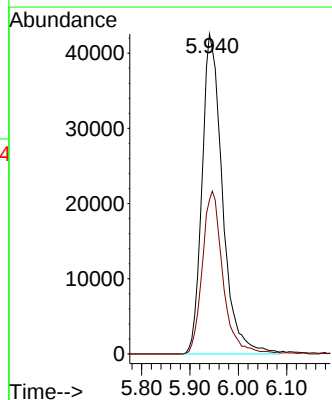
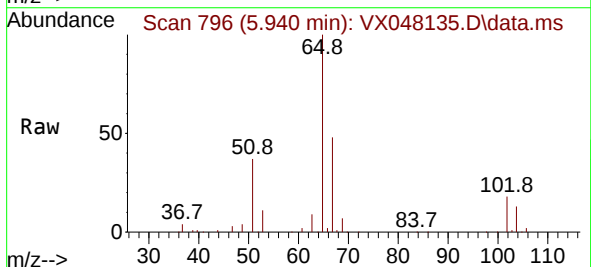
Acq: 13 Oct 2025 12:46

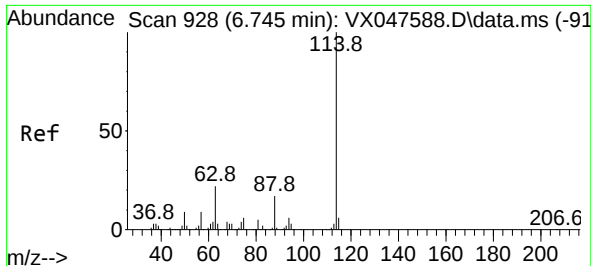
Tgt Ion: 65 Resp: 125049

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.0

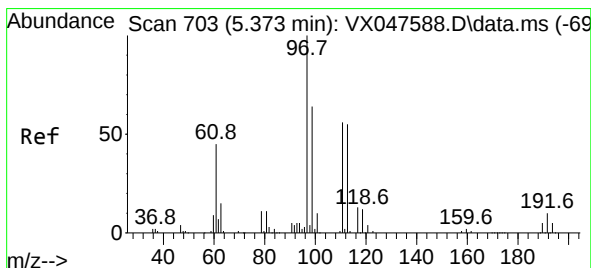
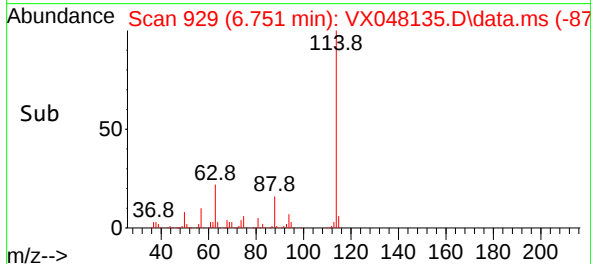
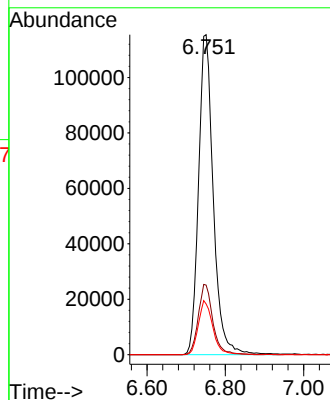
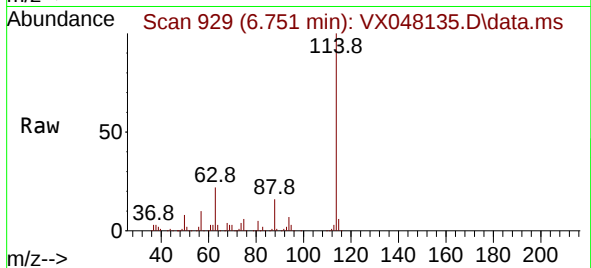




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

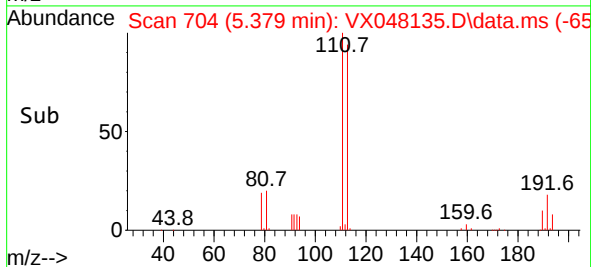
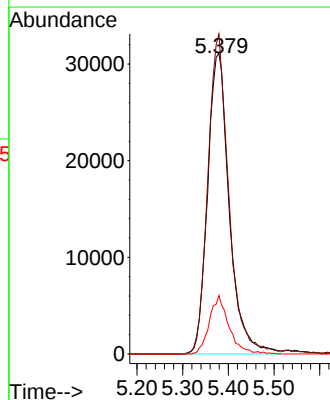
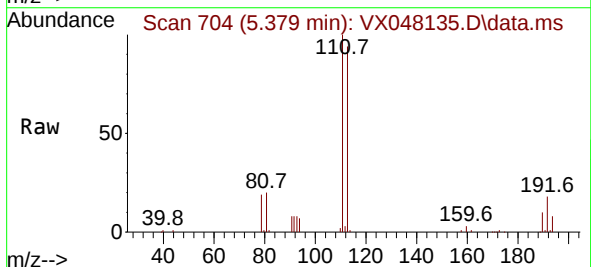
Instrument :
MSVOA_X
ClientSampleId :
MW-214D

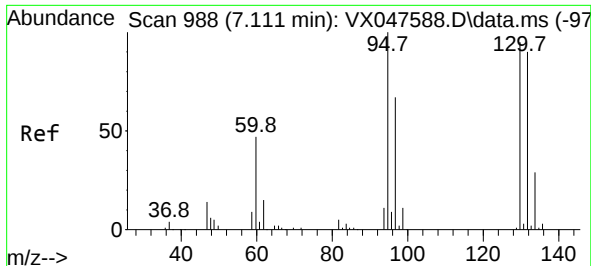
Tgt Ion:114 Resp: 302188
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.0
88 15.9 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.561 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion:113 Resp: 102469
Ion Ratio Lower Upper
113 100
111 102.9 80.9 121.3
192 17.6 14.2 21.4

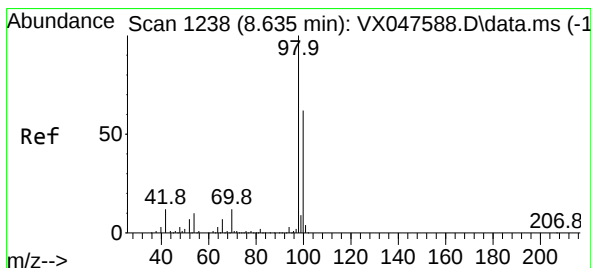
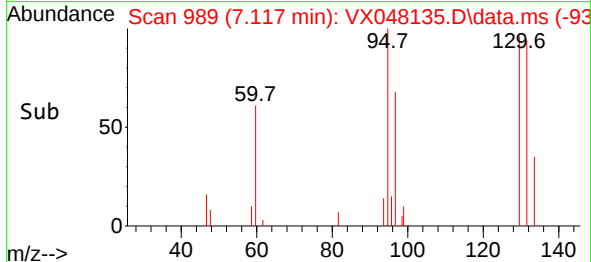
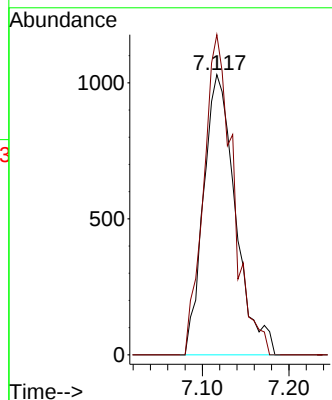
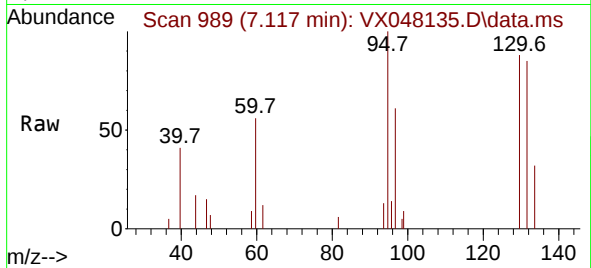




#44
Trichloroethene
Concen: 1.214 ug/l
RT: 7.117 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

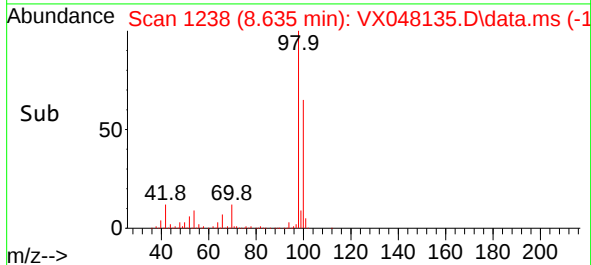
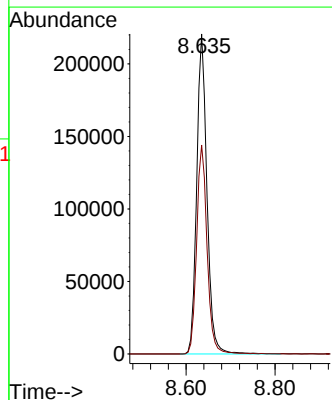
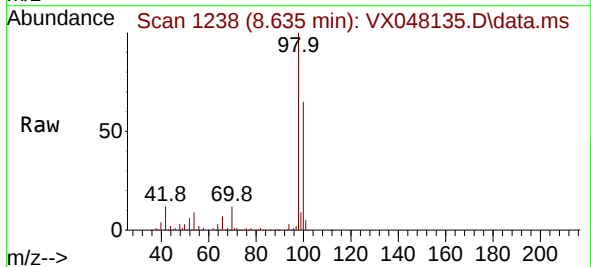
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MSVOA_X
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MW-214D

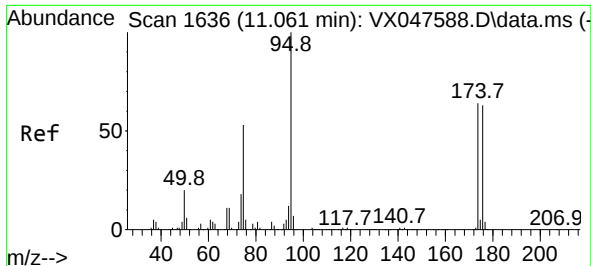
Tgt Ion:130 Resp: 2640
Ion Ratio Lower Upper
130 100
95 114.3 0.0 210.8



#50
Toluene-d8
Concen: 50.277 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion: 98 Resp: 352570
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4

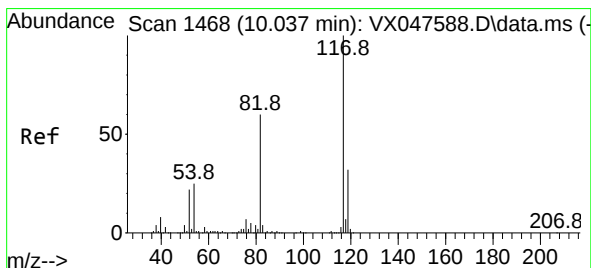
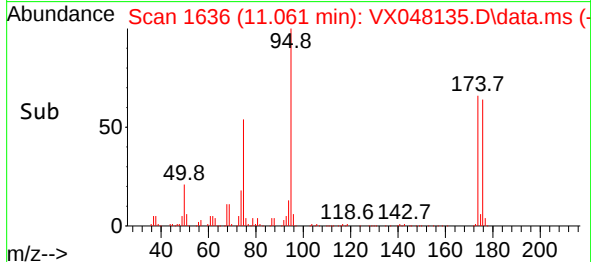
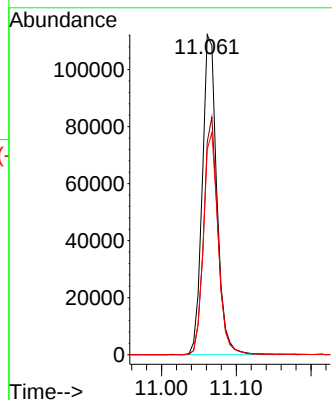
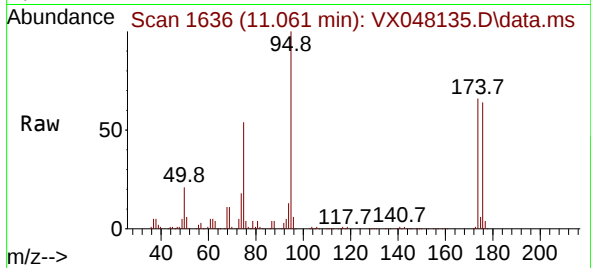




#62
4-Bromofluorobenzene
Concen: 57.022 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

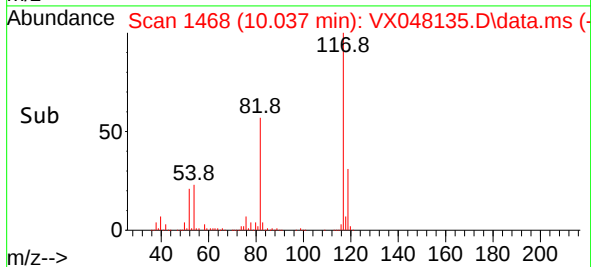
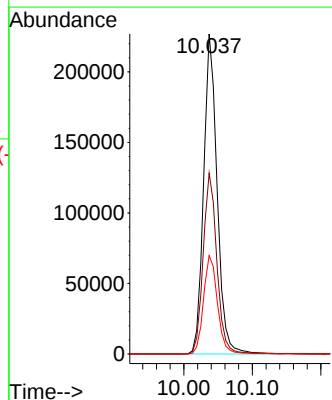
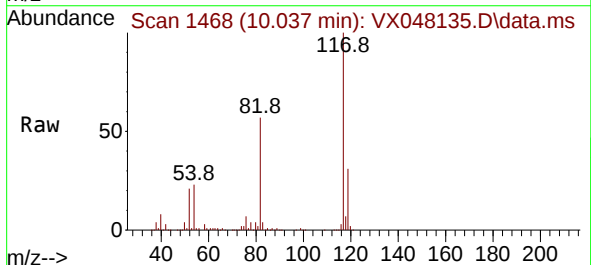
Instrument :
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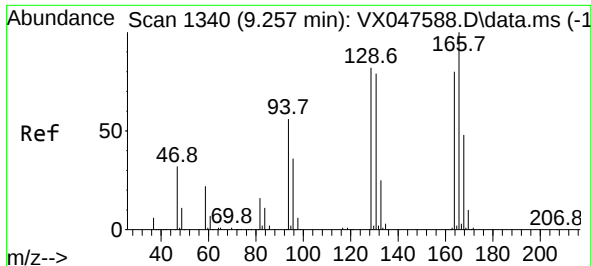
Tgt Ion: 95 Resp: 151759
Ion Ratio Lower Upper
95 100
174 72.5 0.0 141.6
176 70.2 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion: 117 Resp: 311267
Ion Ratio Lower Upper
117 100
82 56.6 47.8 71.6
119 30.7 25.2 37.8

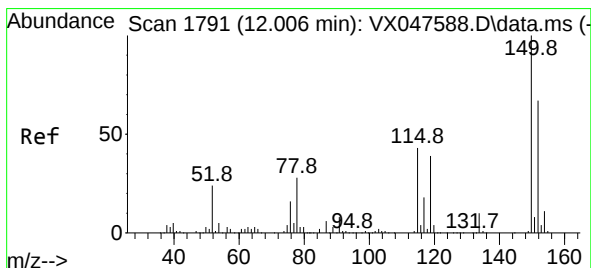
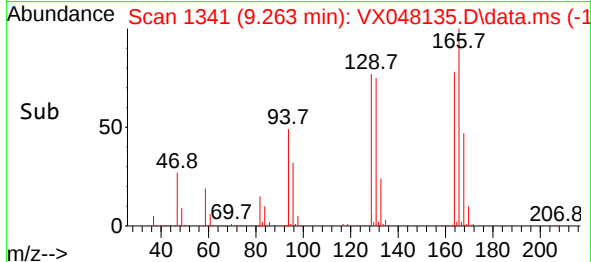
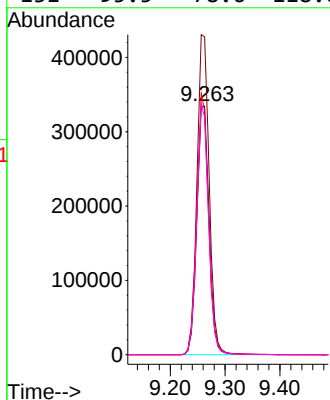
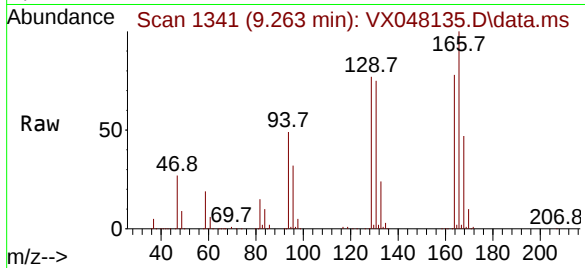




#64
Tetrachloroethene
Concen: 256.457 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
MW-214D

Tgt Ion:164 Resp: 520386
Ion Ratio Lower Upper
164 100
166 127.9 100.2 150.2
129 98.2 81.8 122.6
131 95.5 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion:152 Resp: 151108
Ion Ratio Lower Upper
152 100
115 64.0 44.9 134.5
150 163.3 0.0 352.0

