

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080525\
 Data File : VR026704.D
 Acq On : 5 Aug 2025 10:18
 Operator : SY/MD
 Sample : VR0805WBL01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Aug 06 01:19:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R080425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 05 02:27:49 2025
 Response via : Initial Calibration

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

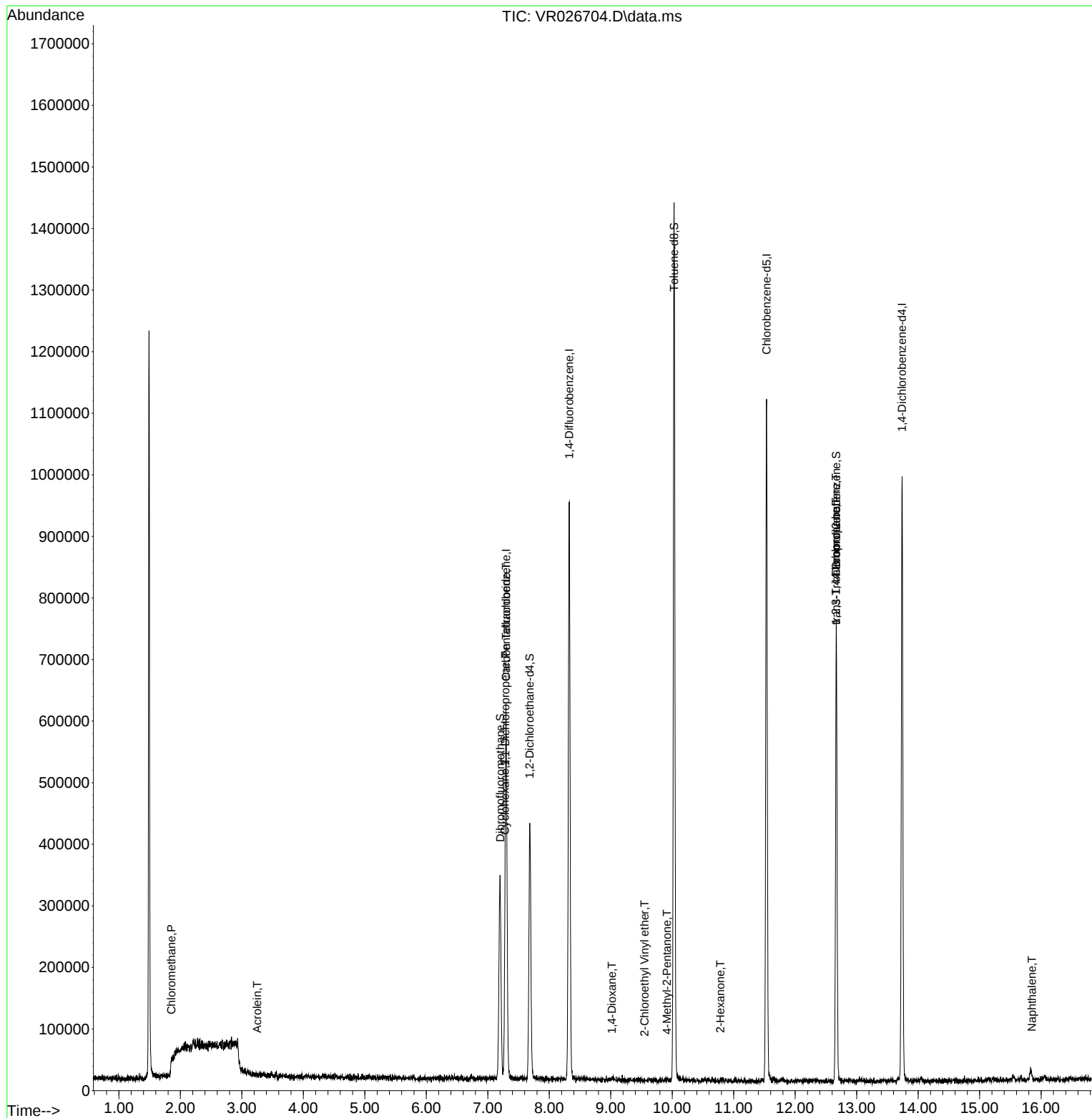
Internal Standards						
1) Pentafluorobenzene	7.295	168	460994	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.322	114	839454	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.534	117	639224	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.738	152	288536	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.683	65	296423	50.804	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.600%
34) Dibromofluoromethane	7.202	113	244270	47.047	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.100%
49) Toluene-d8	10.029	98	975048	52.418	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.840%
61) 4-Bromofluorobenzene	12.667	95	257300	48.632	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.260%
Target Compounds						
						Qvalue
3) Chloromethane	1.853	50	1406	0.282	ug/l #	52
13) Acrolein	3.249	56	360	0.270	ug/l	90
30) Cyclohexane	7.279	56	3568	0.386	ug/l #	49
35) 1,1-Dichloropropene	7.285	75	38799	5.923	ug/l #	44
37) Carbon Tetrachloride	7.298	117	44196	8.285	ug/l #	22
48) 1,4-Dioxane	9.018	88	89	1.001	ug/l #	39
50) 4-Methyl-2-Pentanone	9.913	43	1678	0.255	ug/l #	81
57) 2-Chloroethyl Vinyl ether	9.551	63	218	0.543	ug/l	92
58) 2-Hexanone	10.783	43	979	0.221	ug/l	76
75) 1,2,3-Trichloropropane	12.663	75	120576	25.210	ug/l #	100
80) trans-1,4-Dichloro-2-b...	12.663	75	120576	73.427	ug/l #	16
94) Naphthalene	15.850	128	4393	0.274	ug/l #	83

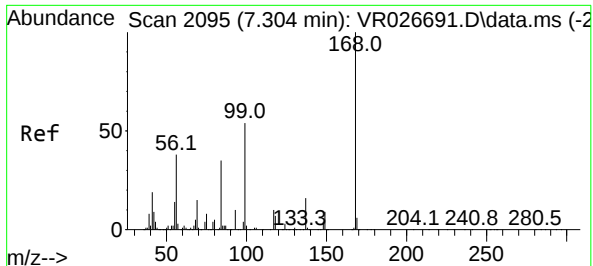
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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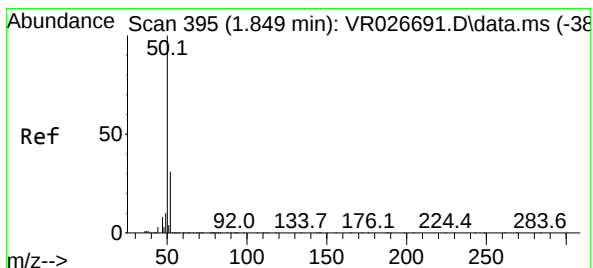
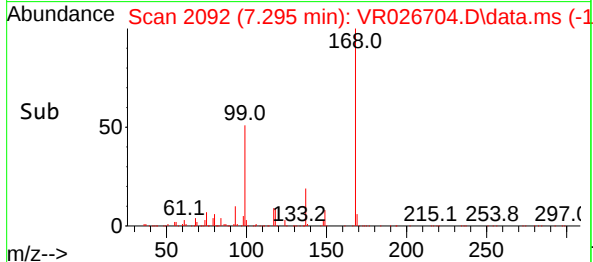
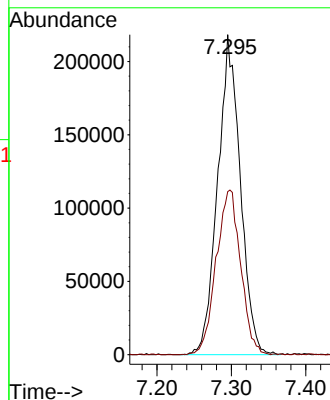
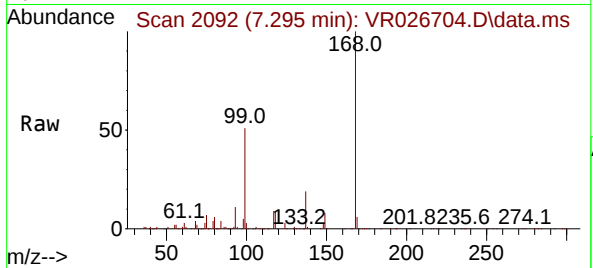




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.295 min Scan# 2095
Delta R.T. -0.009 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

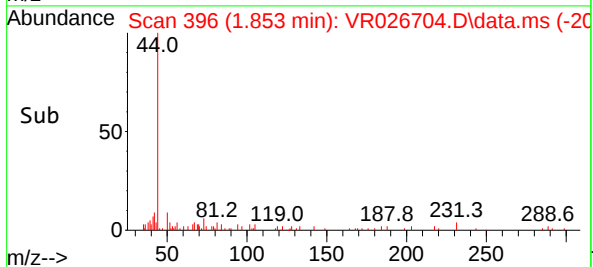
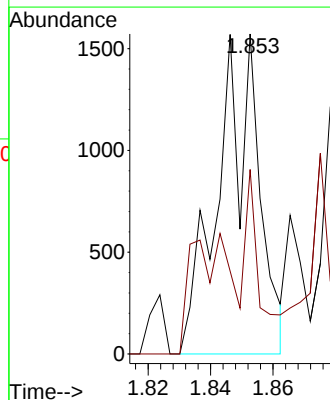
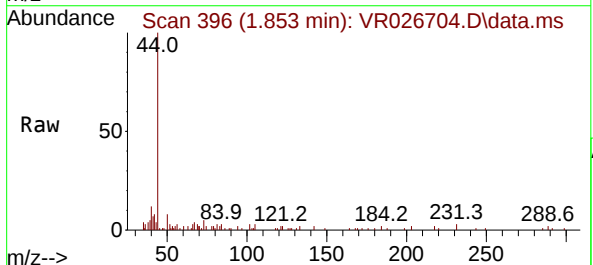
Instrument :
MSVOA_R
ClientSampleId :

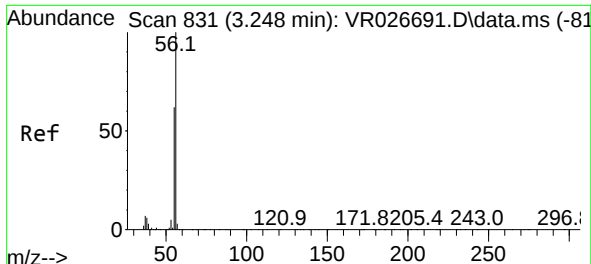
Tgt Ion:168 Resp: 460994
Ion Ratio Lower Upper
168 100
99 51.0 43.8 65.8



#3
Chloromethane
Concen: 0.282 ug/l
RT: 1.853 min Scan# 396
Delta R.T. 0.003 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

Tgt Ion: 50 Resp: 1406
Ion Ratio Lower Upper
50 100
52 57.6 25.0 37.4#

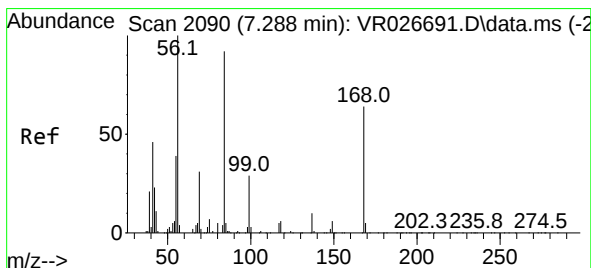
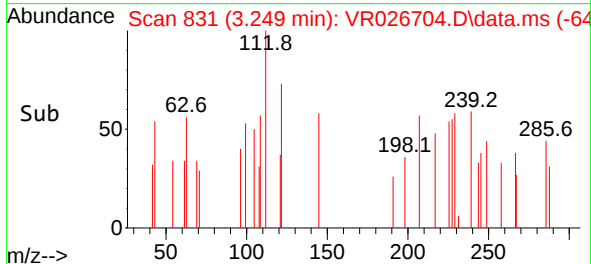
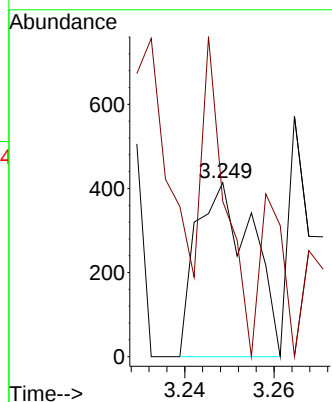
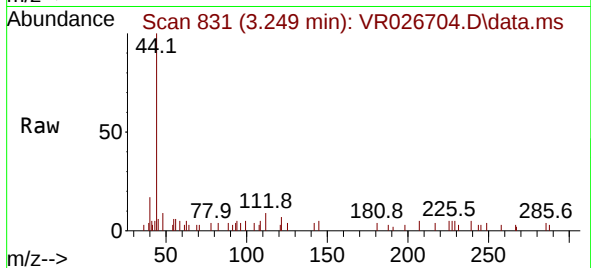




#13
Acrolein
Concen: 0.270 ug/l
RT: 3.249 min Scan# 81
Delta R.T. 0.000 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

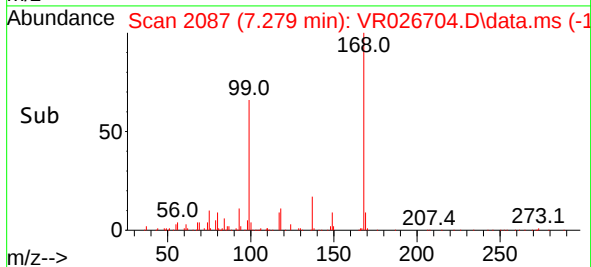
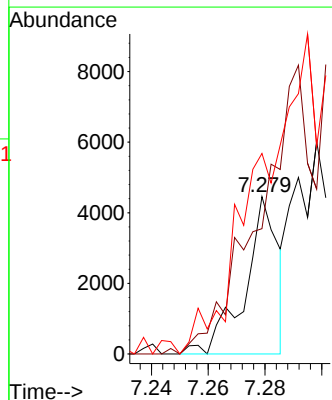
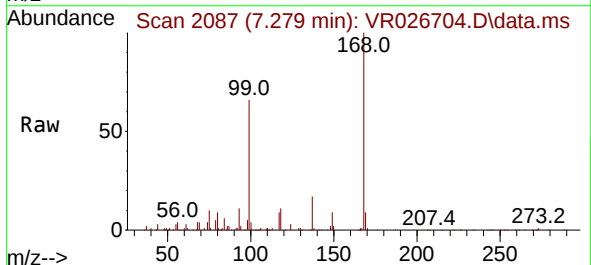
Instrument :
MSVOA_R
ClientSampleId :

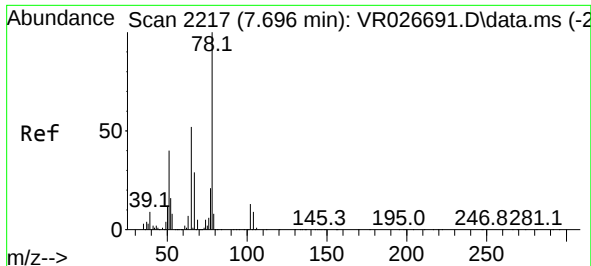
Tgt Ion: 56 Resp: 360
Ion Ratio Lower Upper
56 100
55 75.3 53.8 80.8



#30
Cyclohexane
Concen: 0.386 ug/l
RT: 7.279 min Scan# 2087
Delta R.T. -0.010 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

Tgt Ion: 56 Resp: 3568
Ion Ratio Lower Upper
56 100
69 79.6 24.8 37.2#
84 127.5 73.1 109.7#

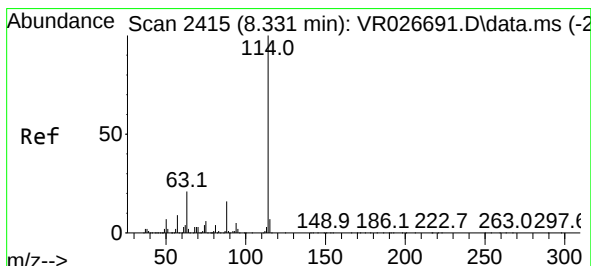
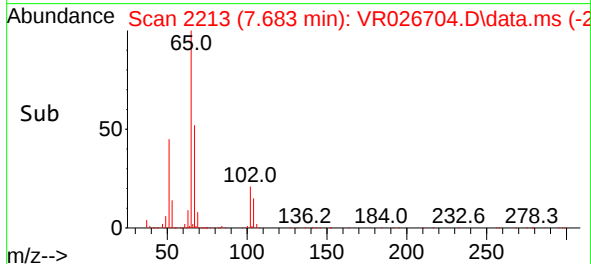
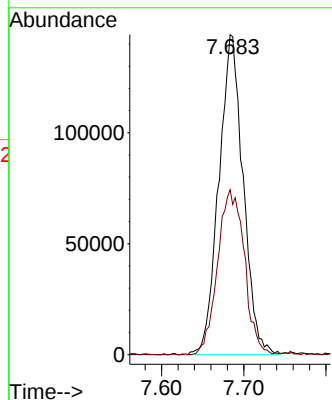
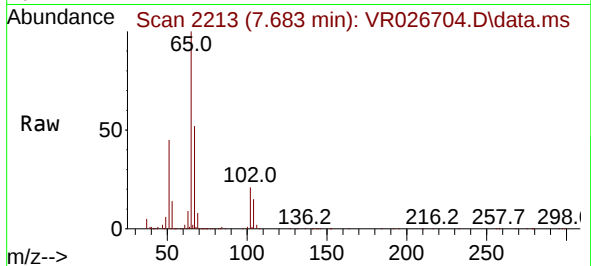




#32
 1,2-Dichloroethane-d4
 Concen: 50.804 ug/l
 RT: 7.683 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: VR026704.D
 Acq: 5 Aug 2025 10:18

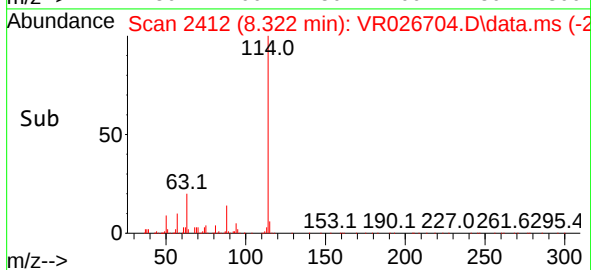
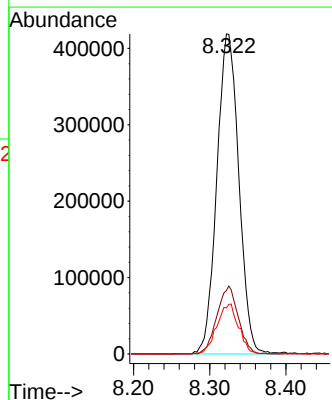
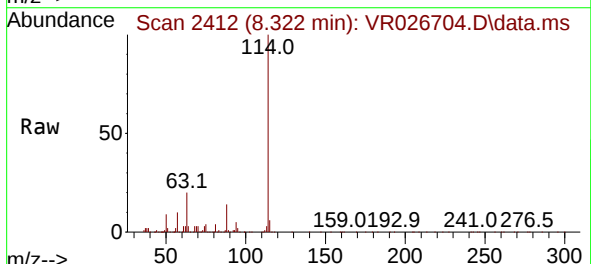
Instrument :
 MSVOA_R
 ClientSampleId :

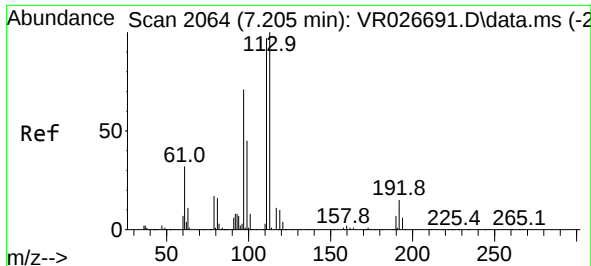
Tgt Ion: 65 Resp: 296423
 Ion Ratio Lower Upper
 65 100
 67 56.6 0.0 118.4



#33
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.322 min Scan# 2412
 Delta R.T. -0.010 min
 Lab File: VR026704.D
 Acq: 5 Aug 2025 10:18

Tgt Ion: 114 Resp: 839454
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.6
 88 14.4 0.0 32.6

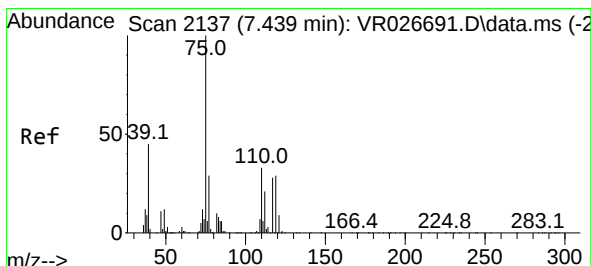
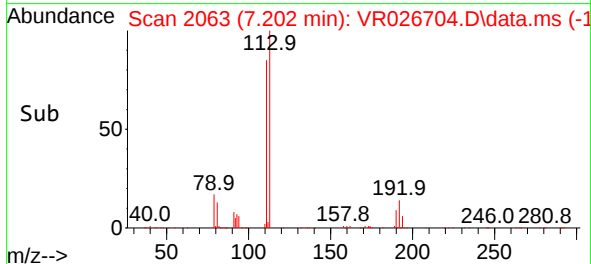
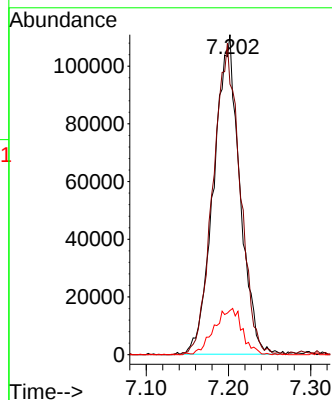
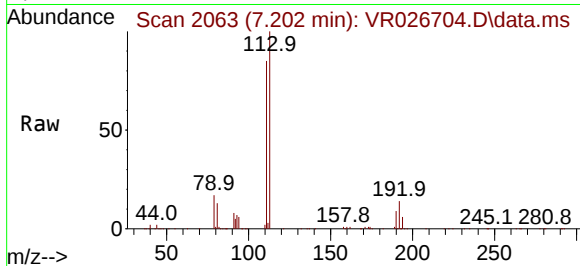




#34
 Dibromofluoromethane
 Concen: 47.047 ug/l
 RT: 7.202 min Scan# 2063
 Delta R.T. -0.003 min
 Lab File: VR026704.D
 Acq: 5 Aug 2025 10:18

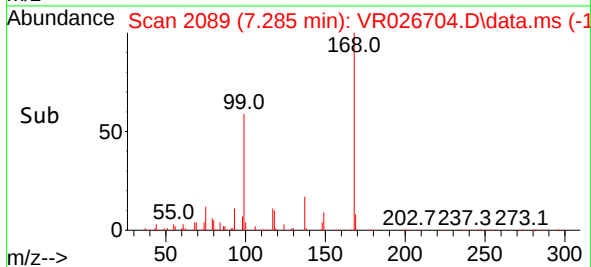
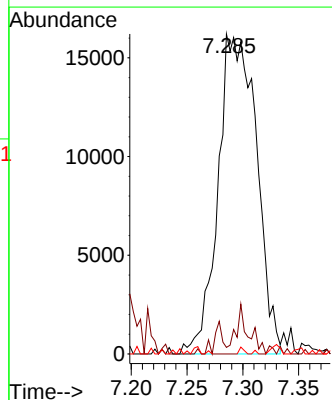
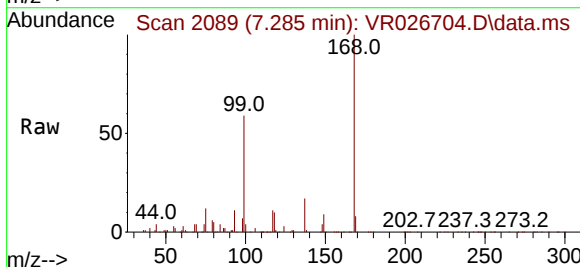
Instrument :
 MSVOA_R
 ClientSampleId :

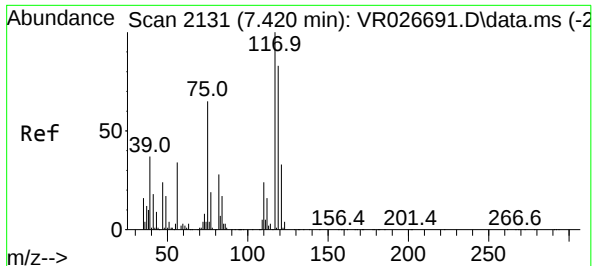
Tgt Ion:113 Resp: 244270
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.7 122.5
 192 15.6 12.3 18.5



#35
 1,1-Dichloropropene
 Concen: 5.923 ug/l
 RT: 7.285 min Scan# 2089
 Delta R.T. -0.154 min
 Lab File: VR026704.D
 Acq: 5 Aug 2025 10:18

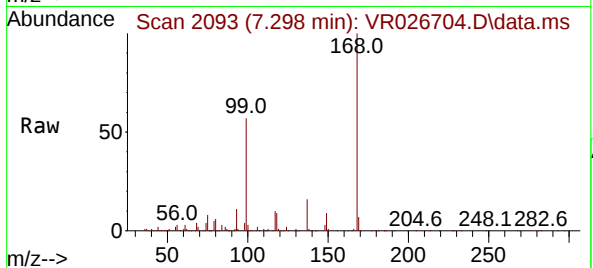
Tgt Ion: 75 Resp: 38799
 Ion Ratio Lower Upper
 75 100
 110 2.3 17.0 50.9#
 77 0.1 24.6 37.0#



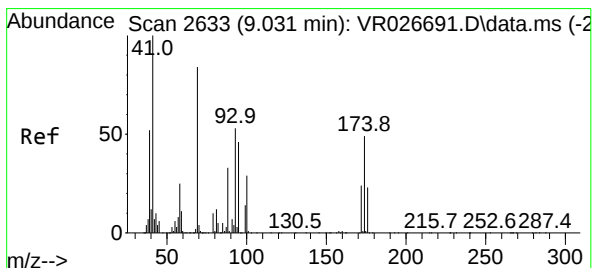
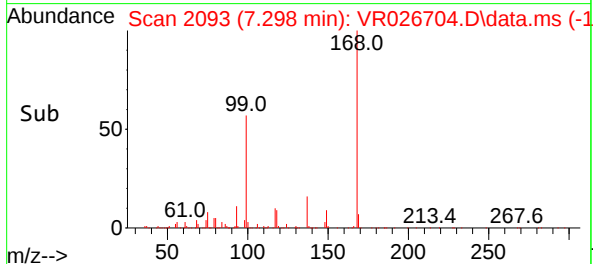
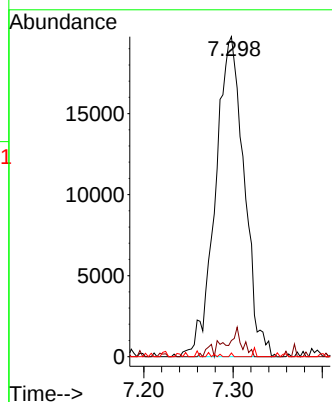


#37
Carbon Tetrachloride
Concen: 8.285 ug/l
RT: 7.298 min Scan# 2093
Delta R.T. -0.122 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

Instrument :
MSVOA_R
ClientSampleId :

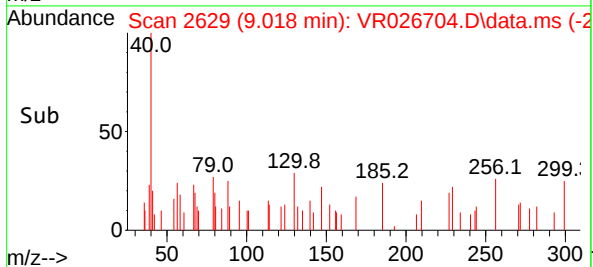
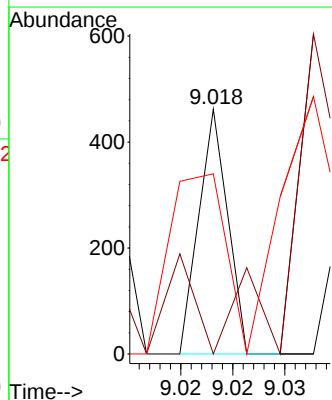
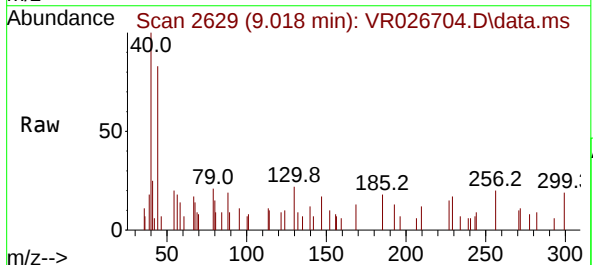


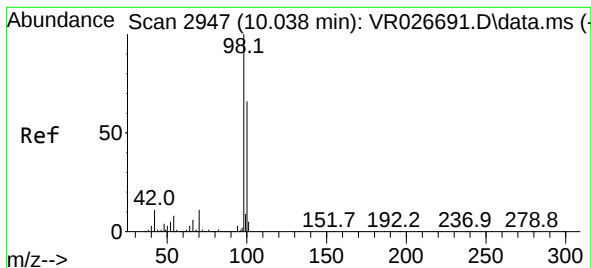
Tgt Ion:117 Resp: 44196
Ion Ratio Lower Upper
117 100
119 5.0 67.0 100.4#
121 1.1 26.3 39.5#



#48
1,4-Dioxane
Concen: 1.001 ug/l
RT: 9.018 min Scan# 2629
Delta R.T. -0.013 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 40.4 25.2 37.8#
58 143.8 60.8 91.2#





#49

Toluene-d8

Concen: 52.418 ug/l

RT: 10.029 min Scan# 2944

Delta R.T. -0.010 min

Lab File: VR026704.D

Acq: 5 Aug 2025 10:18

Instrument :

MSVOA_R

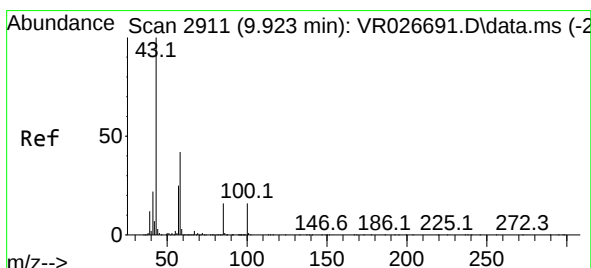
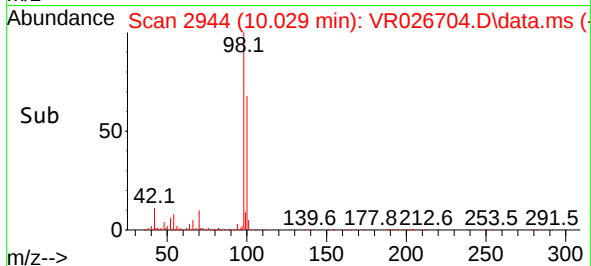
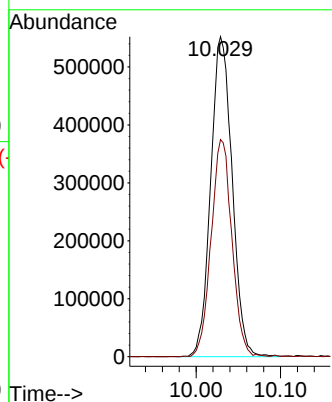
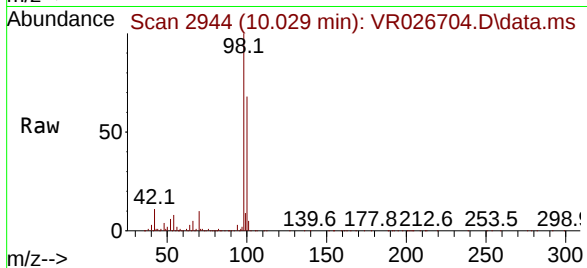
ClientSampleId :

Tgt Ion: 98 Resp: 975048

Ion Ratio Lower Upper

98 100

100 65.7 53.9 80.9



#50

4-Methyl-2-Pentanone

Concen: 0.255 ug/l

RT: 9.913 min Scan# 2908

Delta R.T. -0.010 min

Lab File: VR026704.D

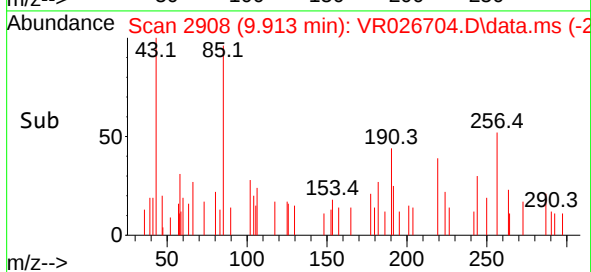
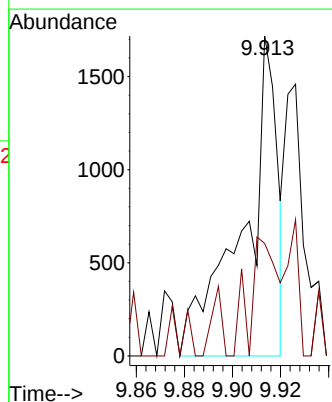
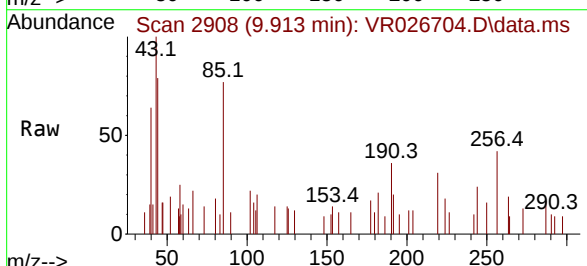
Acq: 5 Aug 2025 10:18

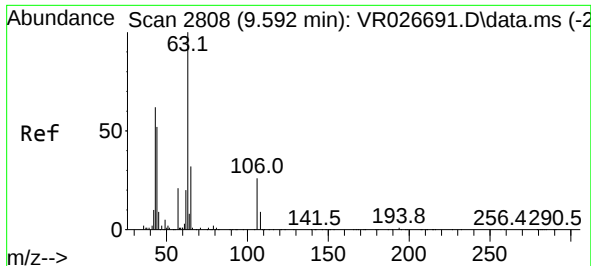
Tgt Ion: 43 Resp: 1678

Ion Ratio Lower Upper

43 100

58 29.9 33.7 50.5#

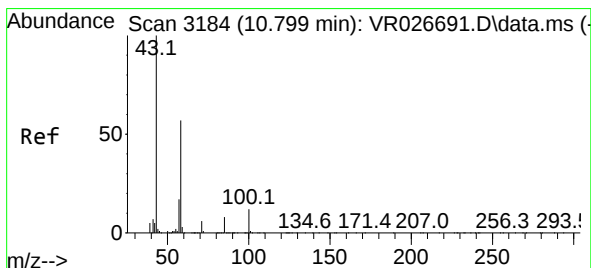
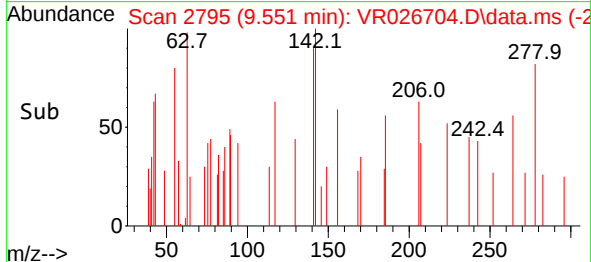
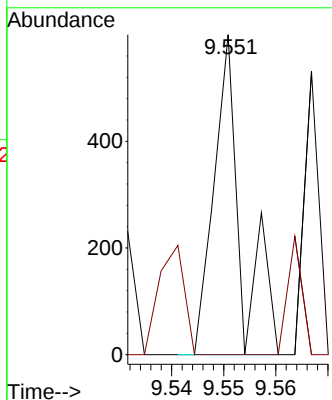
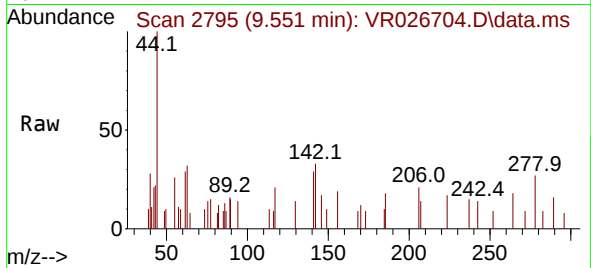




#57
2-Chloroethyl Vinyl ether
Concen: 0.543 ug/l
RT: 9.551 min Scan# 218
Delta R.T. -0.042 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

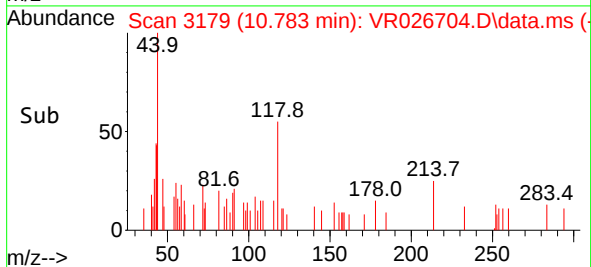
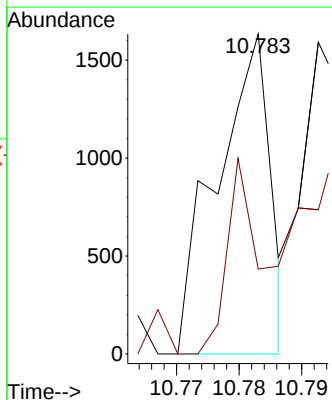
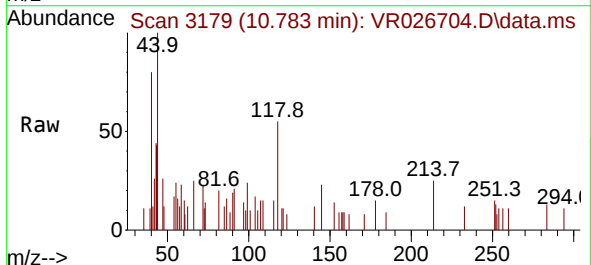
Instrument :
MSVOA_R
ClientSampleId :

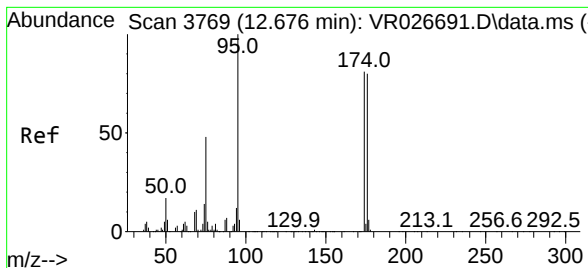
Tgt Ion: 63 Resp: 218
Ion Ratio Lower Upper
63 100
106 32.1 22.5 33.7



#58
2-Hexanone
Concen: 0.221 ug/l
RT: 10.783 min Scan# 3179
Delta R.T. -0.016 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

Tgt Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
58 39.9 28.8 86.4

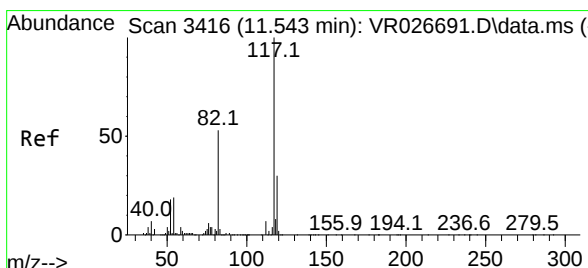
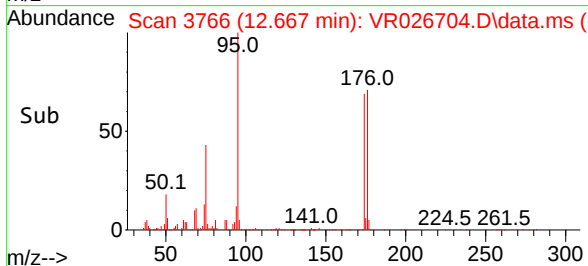
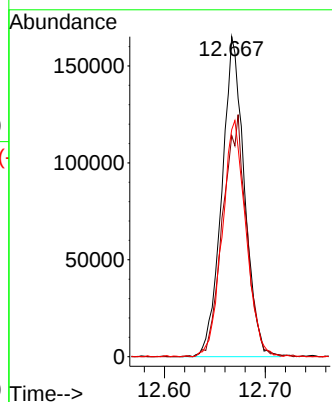
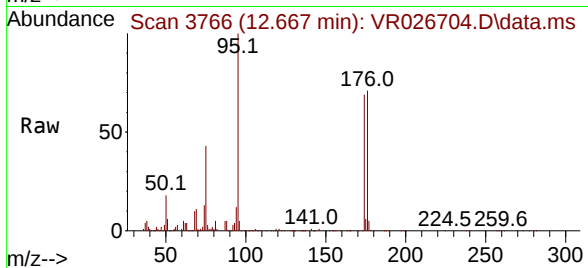




#61
4-Bromofluorobenzene
Concen: 48.632 ug/l
RT: 12.667 min Scan# 31
Delta R.T. -0.009 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

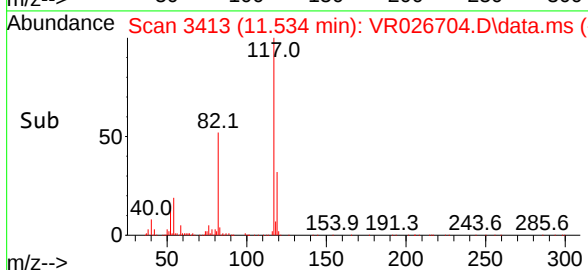
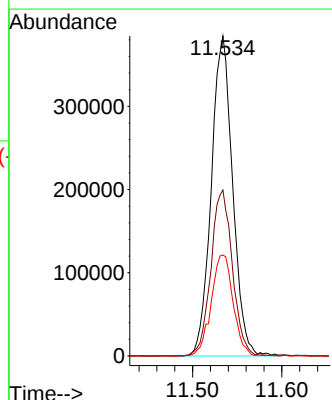
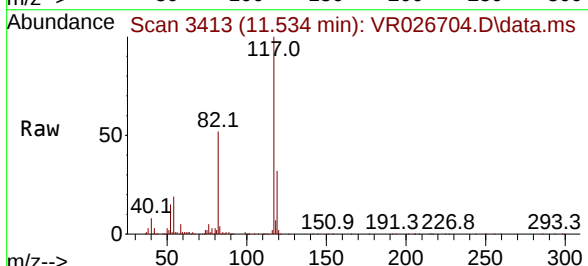
Instrument :
MSVOA_R
ClientSampleId :

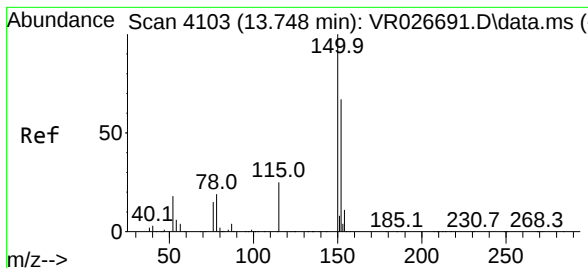
Tgt Ion: 95 Resp: 257300
Ion Ratio Lower Upper
95 100
174 79.6 0.0 158.4
176 77.2 0.0 149.0



#62
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.534 min Scan# 3413
Delta R.T. -0.010 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

Tgt Ion: 117 Resp: 639224
Ion Ratio Lower Upper
117 100
82 51.7 42.0 63.0
119 31.5 23.9 35.9

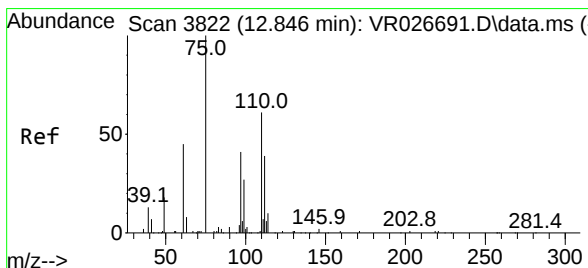
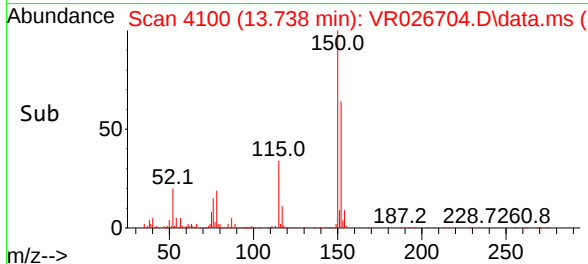
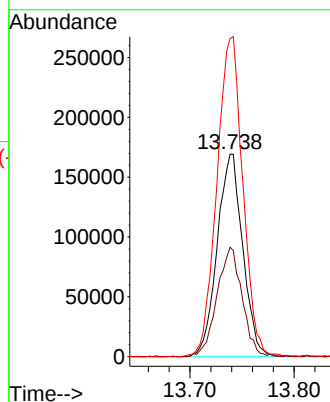
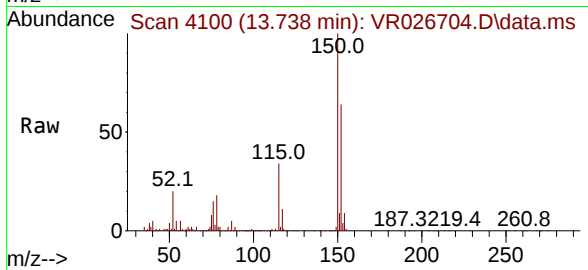




#71
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.738 min Scan# 4103
 Delta R.T. -0.010 min
 Lab File: VR026704.D
 Acq: 5 Aug 2025 10:18

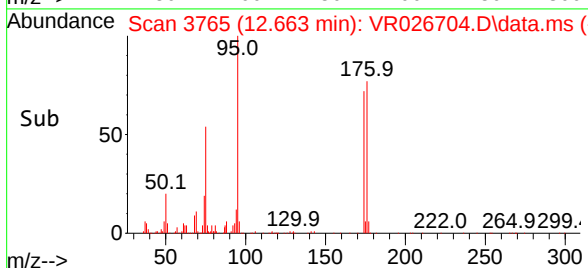
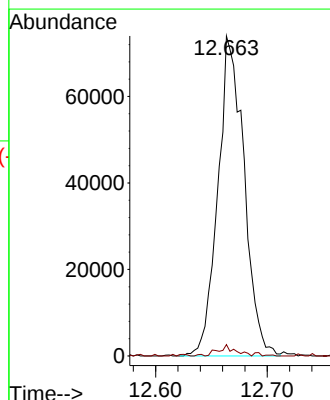
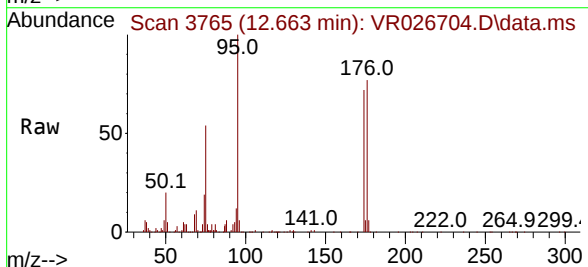
Instrument :
 MSVOA_R
 ClientSampleId :

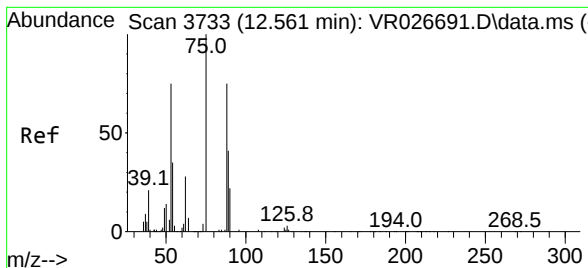
Tgt Ion:152 Resp: 288536
 Ion Ratio Lower Upper
 152 100
 115 53.0 27.8 83.4
 150 160.6 0.0 350.4



#75
 1,2,3-Trichloropropane
 Concen: 25.210 ug/l
 RT: 12.663 min Scan# 3765
 Delta R.T. -0.183 min
 Lab File: VR026704.D
 Acq: 5 Aug 2025 10:18

Tgt Ion: 75 Resp: 120576
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#

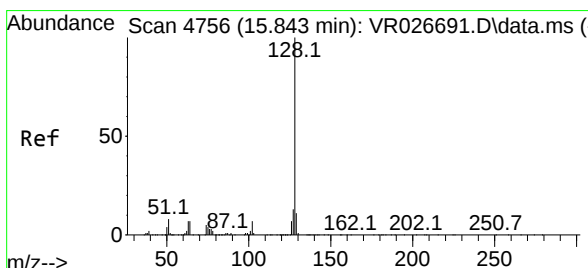
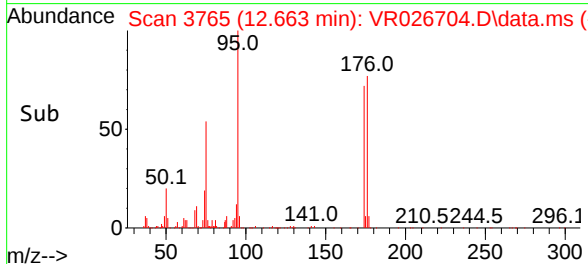
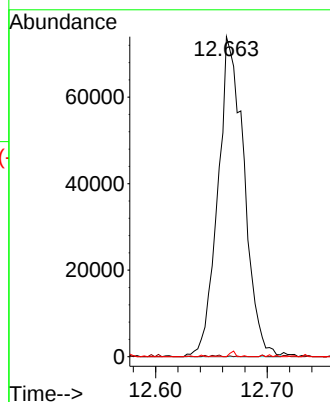
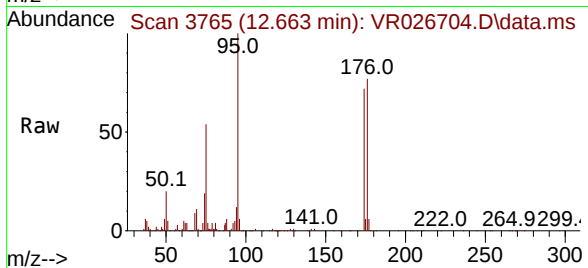




#80
 trans-1,4-Dichloro-2-butene
 Concen: 73.427 ug/l
 RT: 12.663 min Scan# 31
 Delta R.T. 0.103 min
 Lab File: VR026704.D
 Acq: 5 Aug 2025 10:18

Instrument :
 MSVOA_R
 ClientSampleId :

Tgt Ion: 75 Resp: 120576
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.8 101.6#
 89 0.3 34.6 52.0#



#94
 Naphthalene
 Concen: 0.274 ug/l
 RT: 15.850 min Scan# 4758
 Delta R.T. 0.007 min
 Lab File: VR026704.D
 Acq: 5 Aug 2025 10:18

Tgt Ion:128 Resp: 4393
 Ion Ratio Lower Upper
 128 100
 127 9.3 9.8 14.8#
 129 0.0 8.6 13.0#

