

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080525\
 Data File : VR026706.D
 Acq On : 5 Aug 2025 11:14
 Operator : SY/MD
 Sample : VR0805WBL03
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Aug 06 01:20:08 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

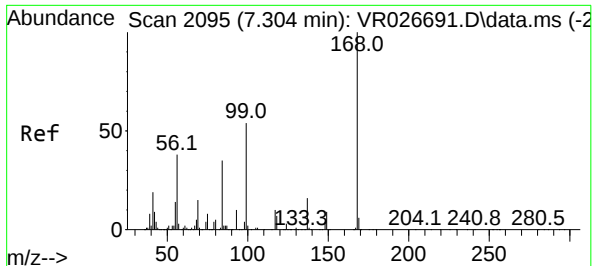
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.295	168	469502	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.319	114	848905	50.000	ug/l	-0.01
62) Chlorobenzene-d5	11.531	117	647333	50.000	ug/l	-0.01
71) 1,4-Dichlorobenzene-d4	13.735	152	293025	50.000	ug/l	-0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.683	65	285639	48.068	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.140%		
34) Dibromofluoromethane	7.192	113	230439	43.889	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.780%		
49) Toluene-d8	10.029	98	926491	49.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.500%		
61) 4-Bromofluorobenzene	12.667	95	239477	44.760	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.520%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.305	94	539	0.213	ug/l #	49
16) Acetone	3.441	43	627	0.225	ug/l #	34
30) Cyclohexane	7.292	56	6905	0.733	ug/l #	1
35) 1,1-Dichloropropene	7.288	75	41965	6.335	ug/l #	52
37) Carbon Tetrachloride	7.292	117	47778	8.857	ug/l #	22
41) 1,2-Dichloroethane	7.292	62	2478	0.408	ug/l #	1
48) 1,4-Dioxane	8.883	88	121	1.346	ug/l	95
75) 1,2,3-Trichloropropane	12.667	75	116043	23.891	ug/l #	100
80) trans-1,4-Dichloro-2-b...	12.667	75	116043	69.584	ug/l #	16

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

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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

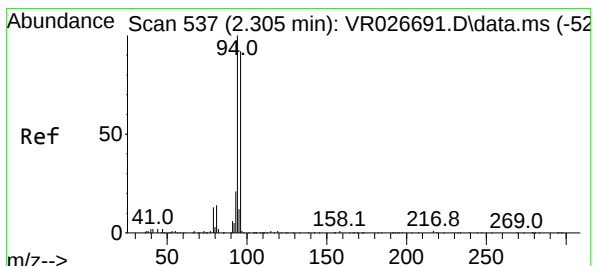
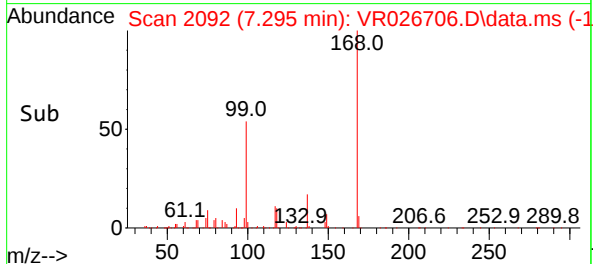
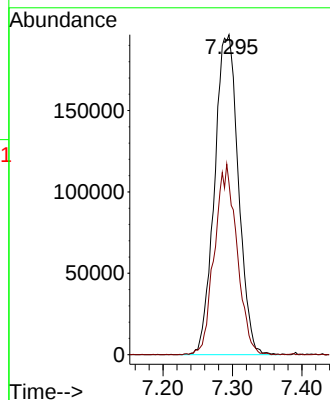
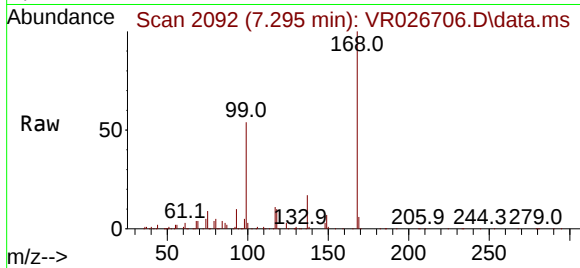




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.295 min Scan# 2095
Delta R.T. -0.009 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

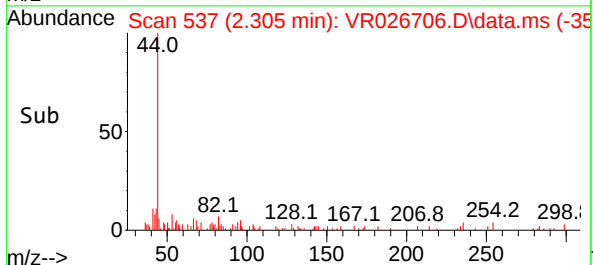
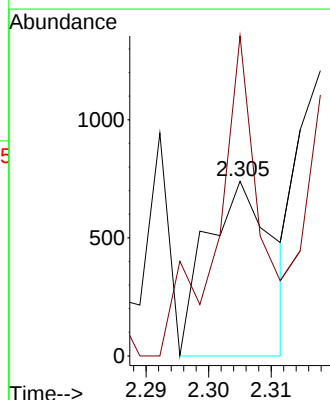
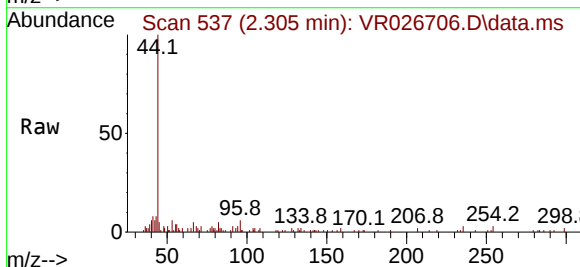
Instrument :
MSVOA_R
ClientSampleId :

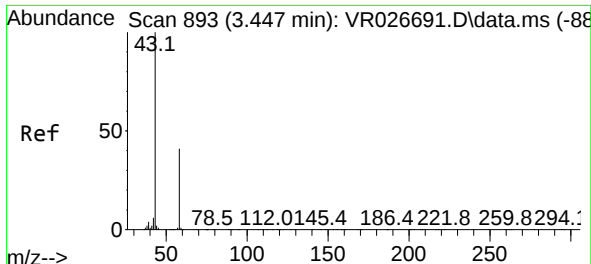
Tgt Ion:168 Resp: 469502
Ion Ratio Lower Upper
168 100
99 53.6 43.8 65.8



#5
Bromomethane
Concen: 0.213 ug/l
RT: 2.305 min Scan# 537
Delta R.T. 0.000 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

Tgt Ion: 94 Resp: 539
Ion Ratio Lower Upper
94 100
96 140.1 73.3 109.9#

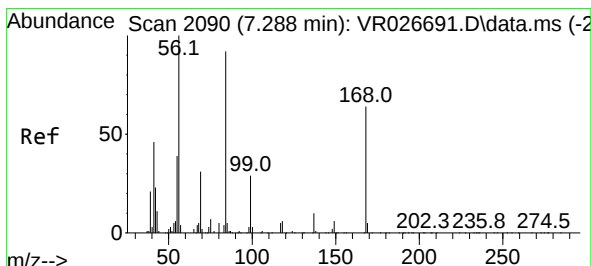
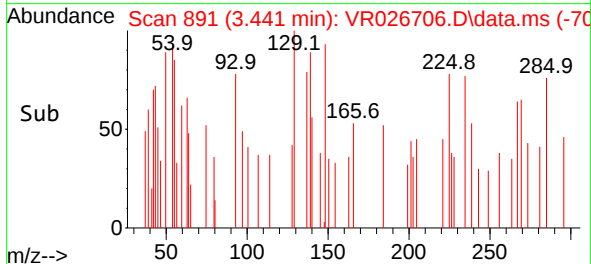
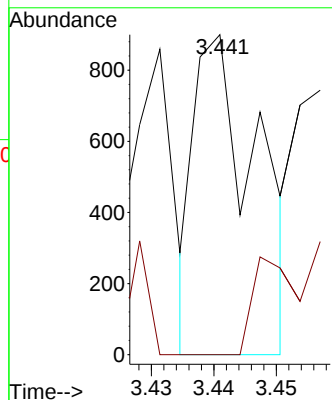
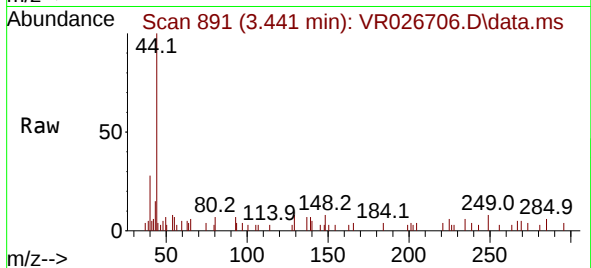




#16
Acetone
Concen: 0.225 ug/l
RT: 3.441 min Scan# 891
Delta R.T. -0.006 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

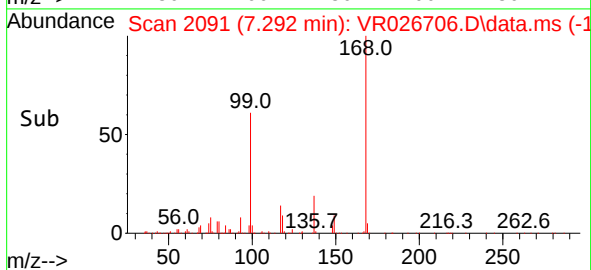
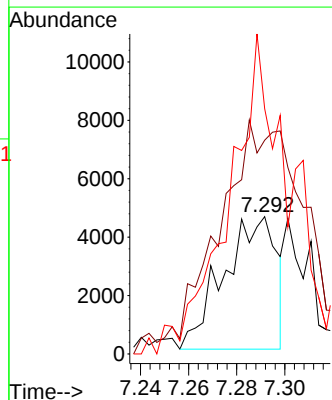
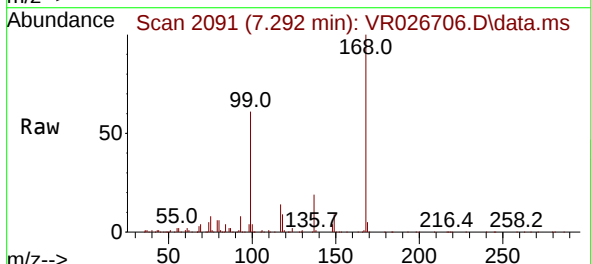
Instrument :
MSVOA_R
ClientSampleId :

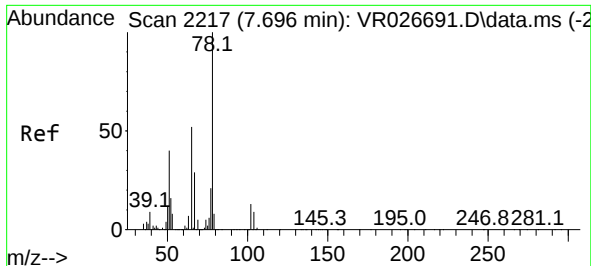
Tgt Ion: 43 Resp: 627
Ion Ratio Lower Upper
43 100
58 0.0 32.9 49.3#



#30
Cyclohexane
Concen: 0.733 ug/l
RT: 7.292 min Scan# 2091
Delta R.T. 0.003 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

Tgt Ion: 56 Resp: 6905
Ion Ratio Lower Upper
56 100
69 149.9 24.8 37.2#
84 175.4 73.1 109.7#





#32

1,2-Dichloroethane-d4

Concen: 48.068 ug/l

RT: 7.683 min Scan# 21

Delta R.T. -0.013 min

Lab File: VR026706.D

Acq: 5 Aug 2025 11:14

Instrument :

MSVOA_R

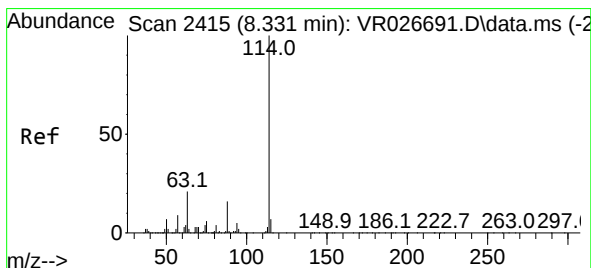
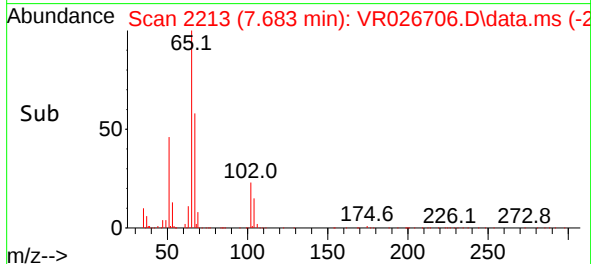
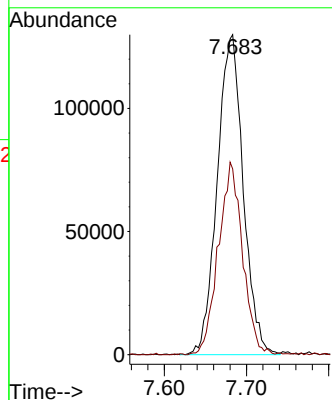
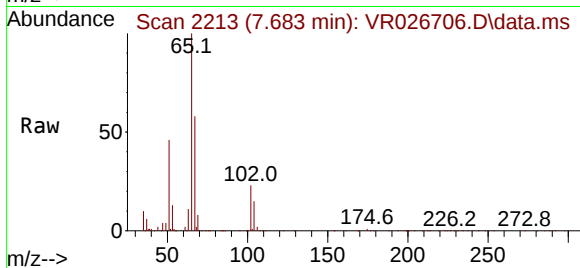
ClientSampleId :

Tgt Ion: 65 Resp: 285639

Ion Ratio Lower Upper

65 100

67 56.0 0.0 118.4



#33

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.319 min Scan# 2411

Delta R.T. -0.013 min

Lab File: VR026706.D

Acq: 5 Aug 2025 11:14

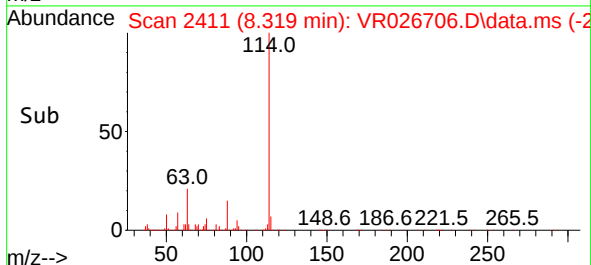
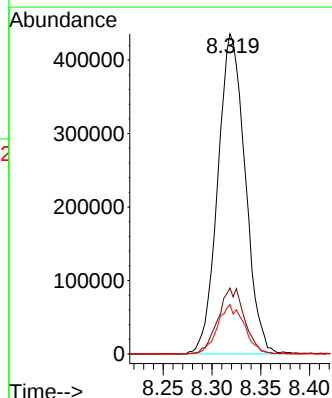
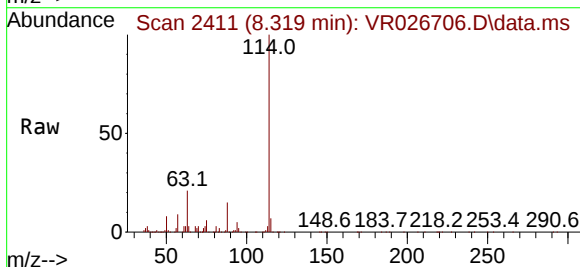
Tgt Ion: 114 Resp: 848905

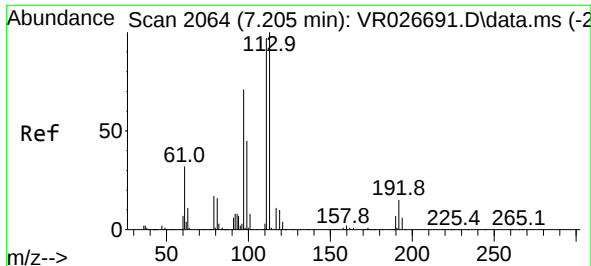
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.6

88 15.4 0.0 32.6

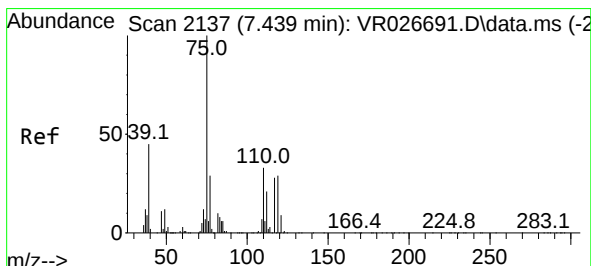
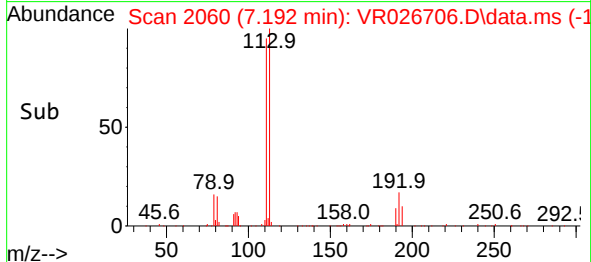
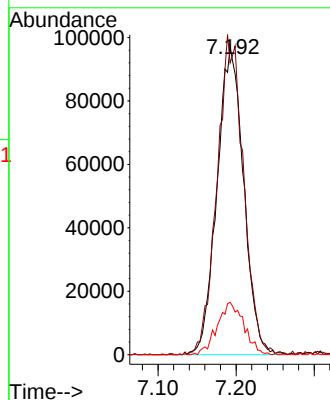
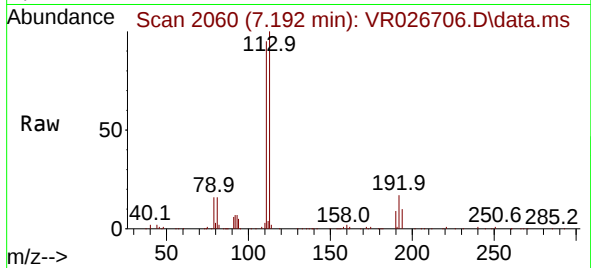




#34
Dibromofluoromethane
Concen: 43.889 ug/l
RT: 7.192 min Scan# 2060
Delta R.T. -0.013 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

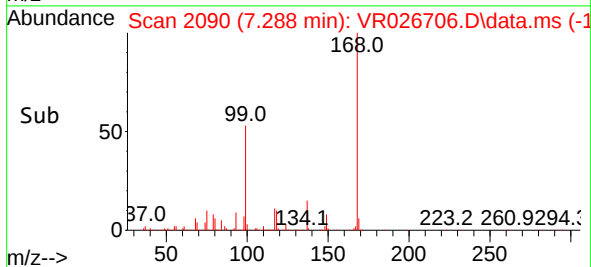
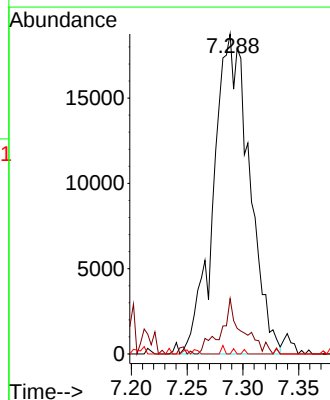
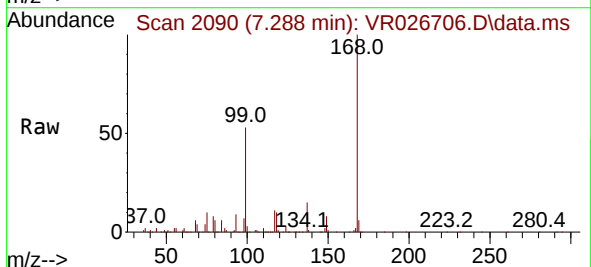
Instrument :
MSVOA_R
ClientSampleId :

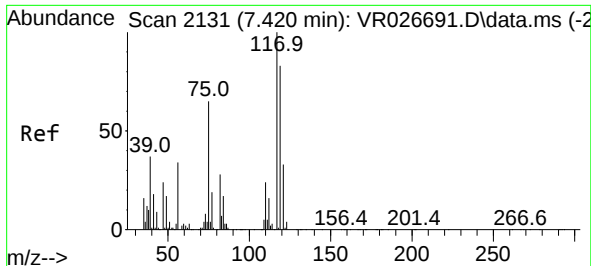
Tgt Ion:113 Resp: 230439
Ion Ratio Lower Upper
113 100
111 102.8 81.7 122.5
192 17.0 12.3 18.5



#35
1,1-Dichloropropene
Concen: 6.335 ug/l
RT: 7.288 min Scan# 2090
Delta R.T. -0.151 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

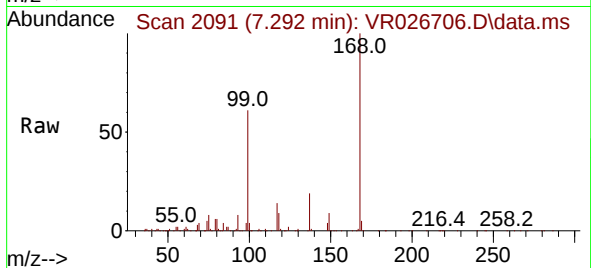
Tgt Ion: 75 Resp: 41965
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.1 24.6 37.0#



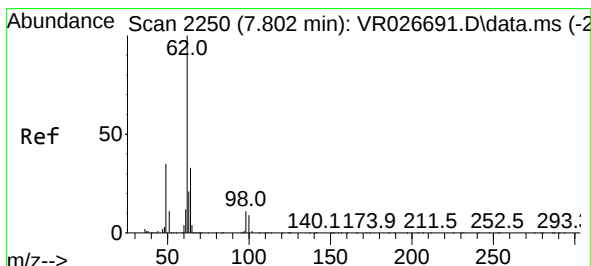
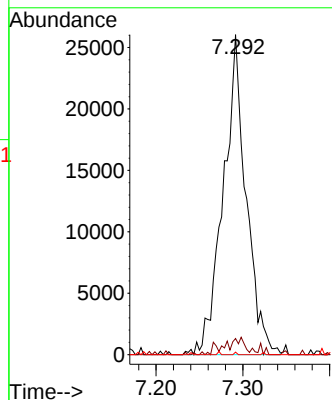
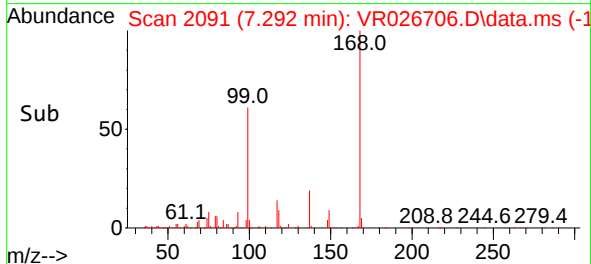


#37
Carbon Tetrachloride
Concen: 8.857 ug/l
RT: 7.292 min Scan# 2091
Delta R.T. -0.128 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

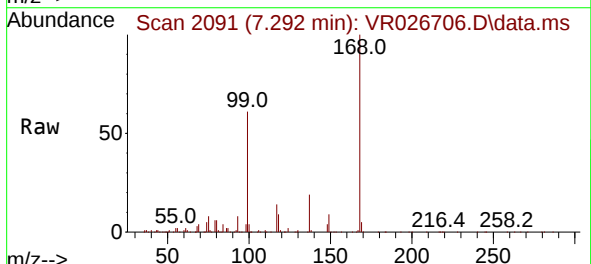
Instrument :
MSVOA_R
ClientSampleId :



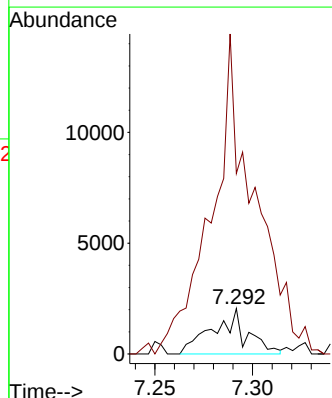
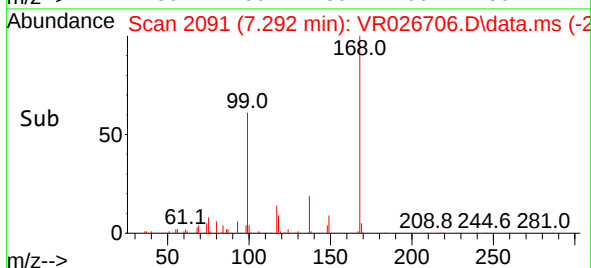
Tgt Ion:117 Resp: 47778
Ion Ratio Lower Upper
117 100
119 5.1 67.0 100.4#
121 0.8 26.3 39.5#

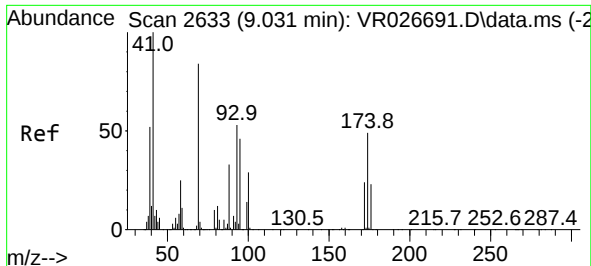


#41
1,2-Dichloroethane
Concen: 0.408 ug/l
RT: 7.292 min Scan# 2091
Delta R.T. -0.510 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14



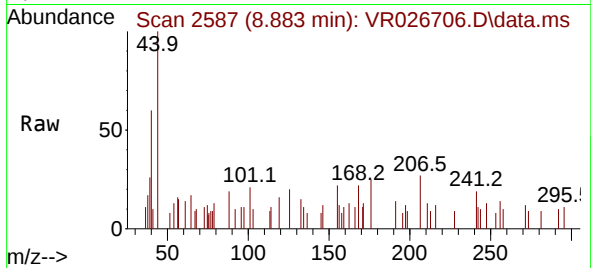
Tgt Ion: 62 Resp: 2478
Ion Ratio Lower Upper
62 100
98 889.4 0.0 22.2#



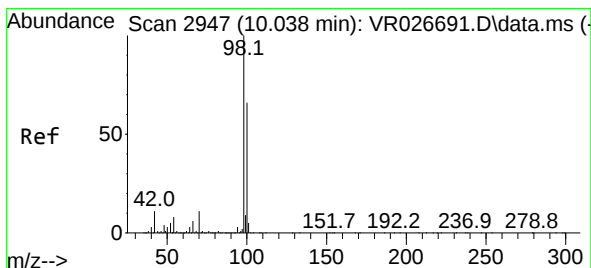
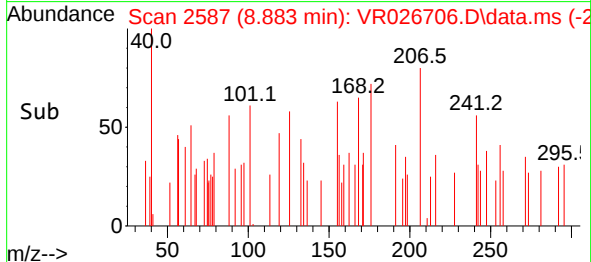
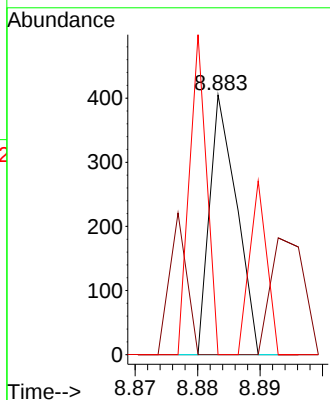


#48
1,4-Dioxane
Concen: 1.346 ug/l
RT: 8.883 min Scan# 21
Delta R.T. -0.148 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

Instrument :
MSVOA_R
ClientSampleId :

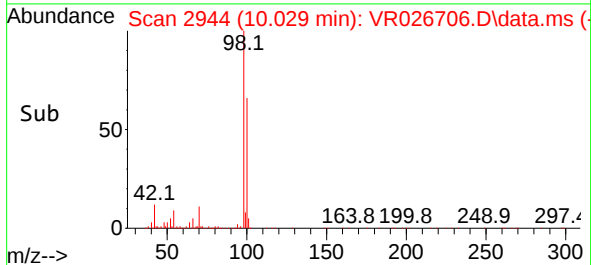
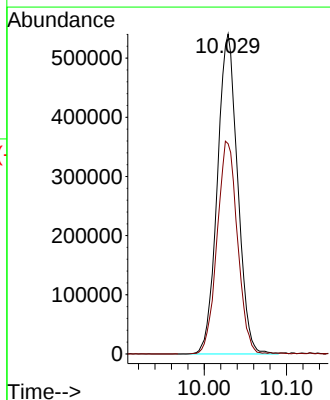
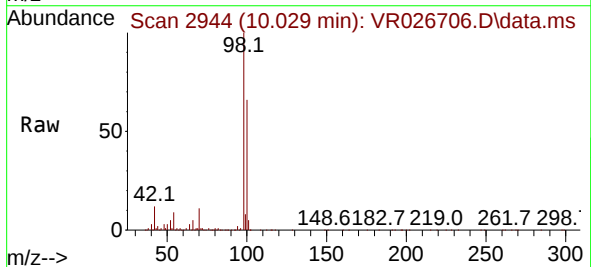


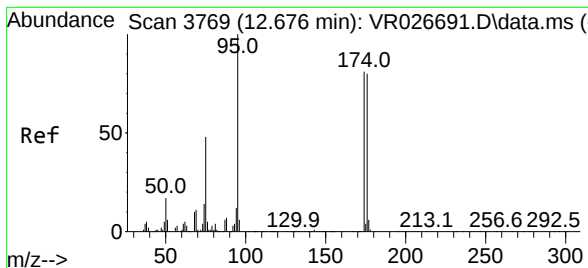
Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 35.5 25.2 37.8
58 79.3 60.8 91.2



#49
Toluene-d8
Concen: 49.253 ug/l
RT: 10.029 min Scan# 2944
Delta R.T. -0.010 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

Tgt Ion: 98 Resp: 926491
Ion Ratio Lower Upper
98 100
100 66.8 53.9 80.9

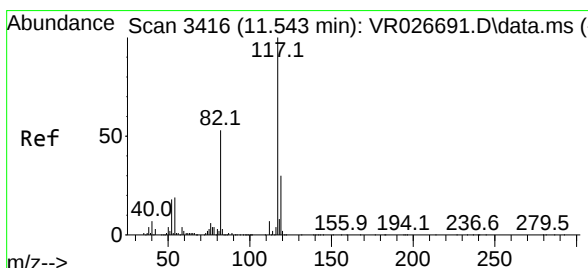
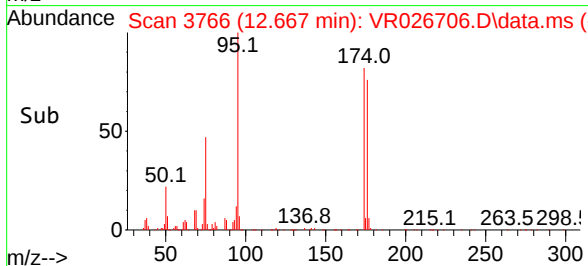
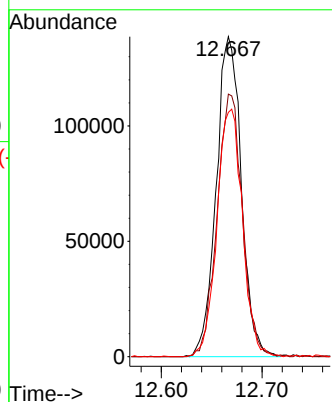
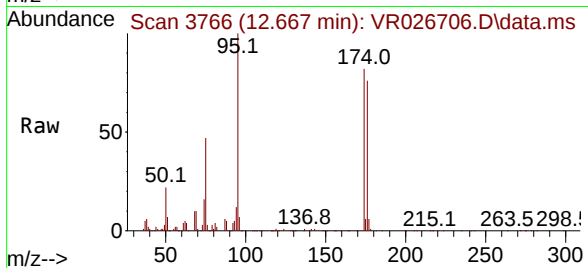




#61
4-Bromofluorobenzene
Concen: 44.760 ug/l
RT: 12.667 min Scan# 31
Delta R.T. -0.010 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

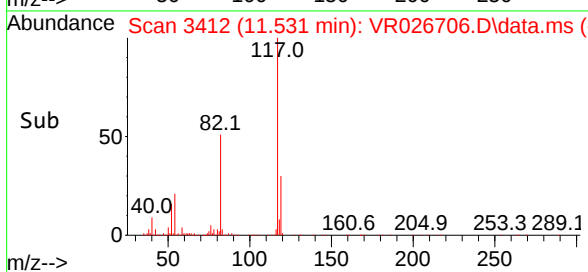
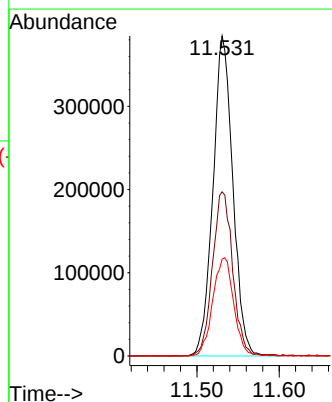
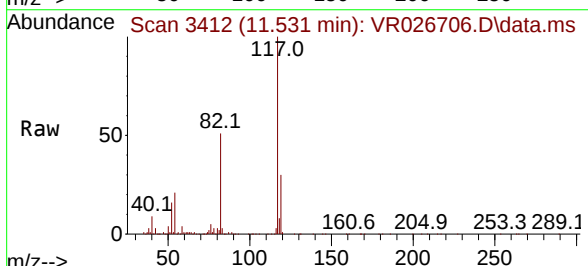
Instrument :
MSVOA_R
ClientSampleId :

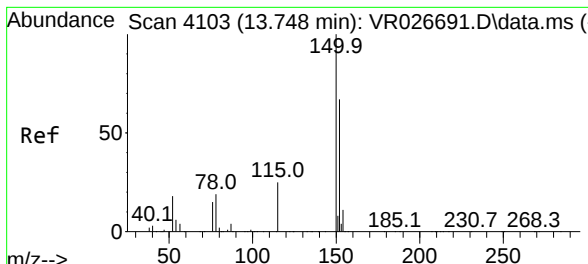
Tgt Ion: 95 Resp: 239477
Ion Ratio Lower Upper
95 100
174 83.0 0.0 158.4
176 78.8 0.0 149.0



#62
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.531 min Scan# 3412
Delta R.T. -0.013 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

Tgt Ion: 117 Resp: 647333
Ion Ratio Lower Upper
117 100
82 51.3 42.0 63.0
119 30.3 23.9 35.9

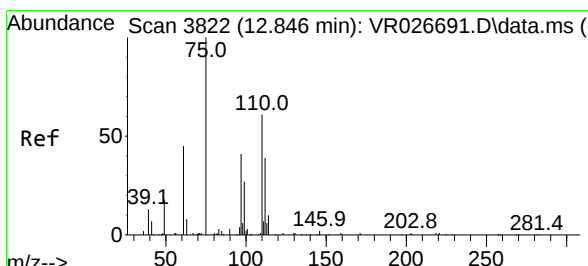
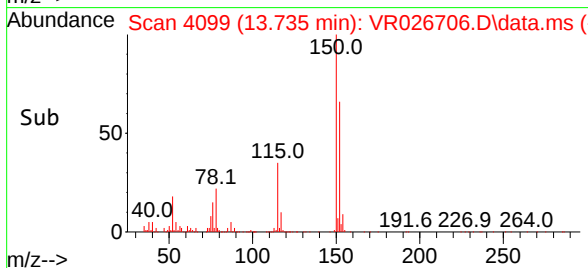
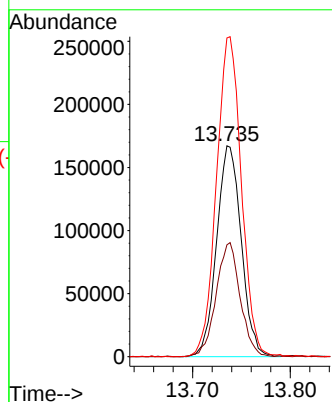
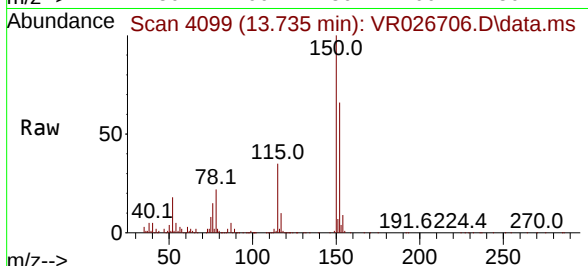




#71
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.735 min Scan# 4099
 Delta R.T. -0.013 min
 Lab File: VR026706.D
 Acq: 5 Aug 2025 11:14

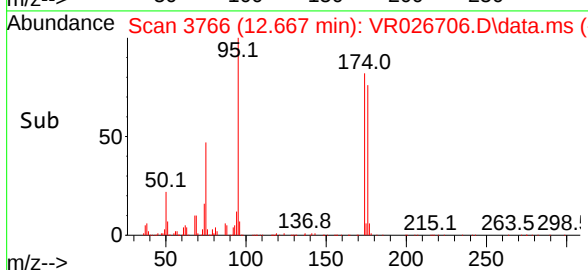
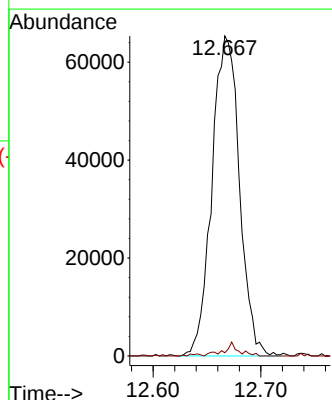
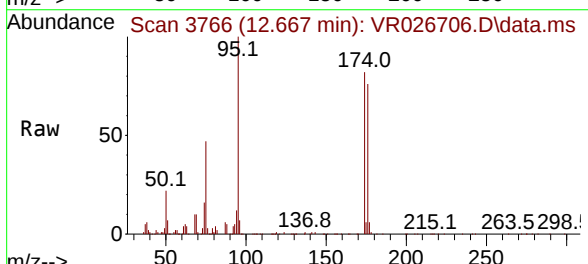
Instrument :
 MSVOA_R
 ClientSampleId :

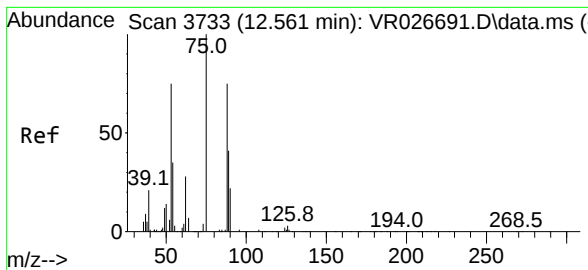
Tgt Ion:152 Resp: 293025
 Ion Ratio Lower Upper
 152 100
 115 52.8 27.8 83.4
 150 154.0 0.0 350.4



#75
 1,2,3-Trichloropropane
 Concen: 23.891 ug/l
 RT: 12.667 min Scan# 3766
 Delta R.T. -0.180 min
 Lab File: VR026706.D
 Acq: 5 Aug 2025 11:14

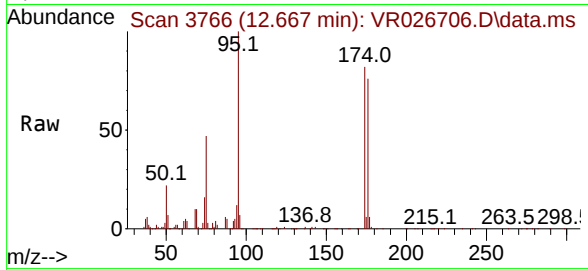
Tgt Ion: 75 Resp: 116043
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#80
trans-1,4-Dichloro-2-butene
Concen: 69.584 ug/l
RT: 12.667 min Scan# 31
Delta R.T. 0.106 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

Instrument :
MSVOA_R
ClientSampleId :



Tgt Ion: 75 Resp: 116043
Ion Ratio Lower Upper
75 100
53 0.2 67.8 101.6#
89 0.1 34.6 52.0#

