

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082525\
 Data File : VR026759.D
 Acq On : 25 Aug 2025 13:43
 Operator : SY/MD
 Sample : VR0825WBL01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0825WBL01

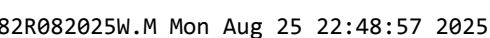
Quant Time: Aug 25 22:48:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 21 08:59:04 2025
 Response via : Initial Calibration

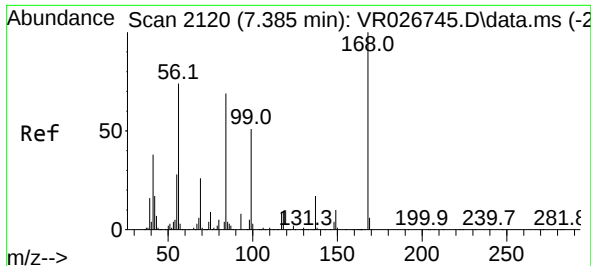
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.401	168	1531647	50.000	ug/l	0.02
33) 1,4-Difluorobenzene	8.402	114	2610961	50.000	ug/l	0.01
62) Chlorobenzene-d5	11.572	117	1908342	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.774	152	552114	50.000	ug/l	0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.779	65	908812	47.249	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.500%
34) Dibromofluoromethane	7.308	113	752513	44.190	ug/l	0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.380%
49) Toluene-d8	10.083	98	2910407	50.981	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.960%
61) 4-Bromofluorobenzene	12.705	95	777943	48.027	ug/l	0.01
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.060%
Target Compounds						
					Qvalue	
6) Chloroethane	2.565	64	247	Below Cal	#	41
13) Acrolein	3.419	56	177	Below Cal		88
23) Vinyl Acetate	5.549	43	257	Below Cal	#	52
30) Cyclohexane	7.398	56	36316	0.922	ug/l #	2
35) 1,1-Dichloropropene	7.401	75	128814	4.857	ug/l #	45
37) Carbon Tetrachloride	7.401	117	152278	6.381	ug/l #	16
41) 1,2-Dichloroethane	7.391	62	8766	0.388	ug/l #	1
48) 1,4-Dioxane	9.089	88	192	0.637	ug/l #	46
50) 4-Methyl-2-Pentanone	9.971	43	4994	Below Cal	#	44
55) Ethyl methacrylate	10.087	69	8086	0.285	ug/l #	63
57) 2-Chloroethyl Vinyl ether	9.422	63	60	19.498	ug/l #	48
75) 1,2,3-Trichloropropane	12.702	75	399364	29.344	ug/l #	100
80) trans-1,4-Dichloro-2-b...	12.702	75	399364	71.225	ug/l #	14
91) 1,2-Dibromo-3-Chloropr...	15.176	75	30	Below Cal		58
92) 1,2,4-Trichlorobenzene	15.577	180	2509	0.233	ug/l	82
94) Naphthalene	15.866	128	9986	0.325	ug/l #	82

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 21 08:59:04 2025
Response via : Initial Calibration

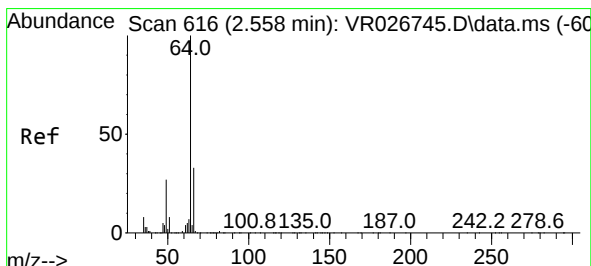
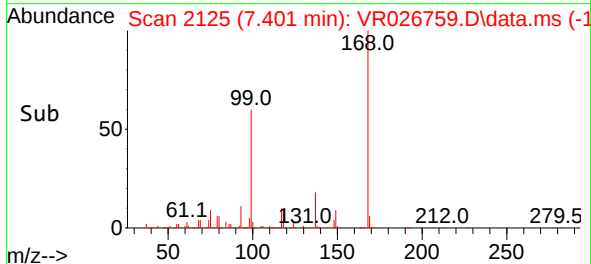
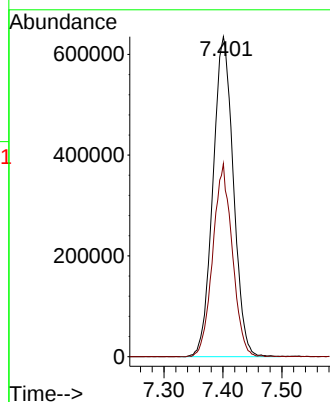
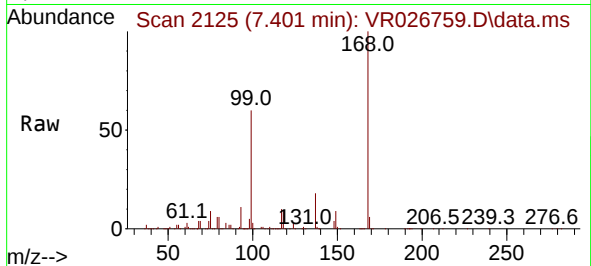




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.401 min Scan# 2120
Delta R.T. 0.016 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

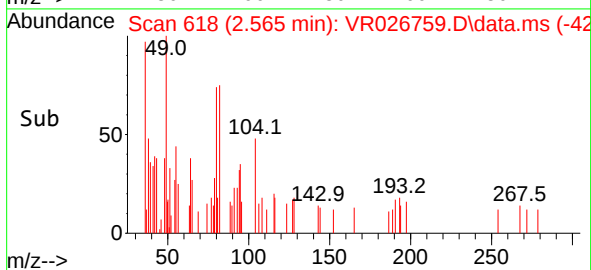
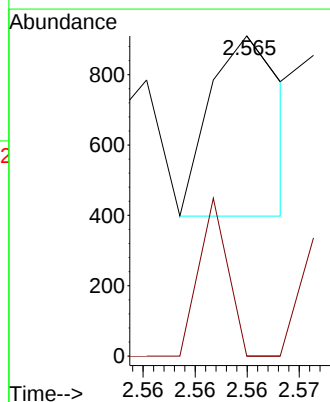
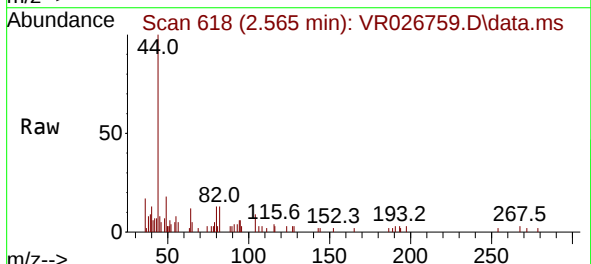
Instrument :
MSVOA_R
ClientSampleId :
VR0825WBL01

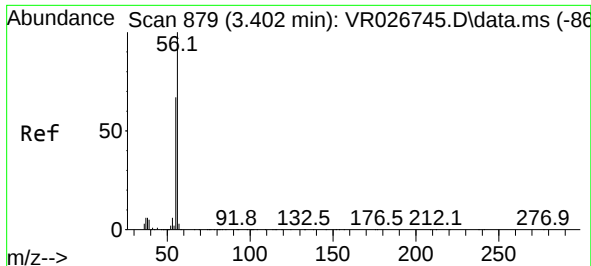
Tgt Ion:168 Resp: 1531647
Ion Ratio Lower Upper
168 100
99 60.3 47.1 70.7



#6
Chloroethane
Concen: Below Cal
RT: 2.565 min Scan# 618
Delta R.T. 0.007 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

Tgt Ion: 64 Resp: 247
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#

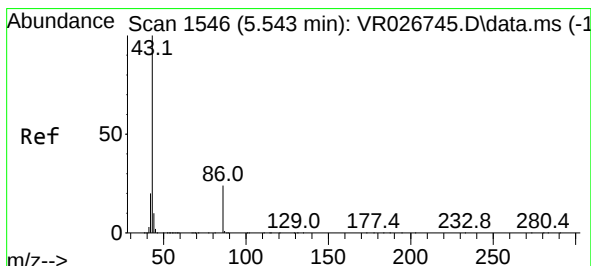
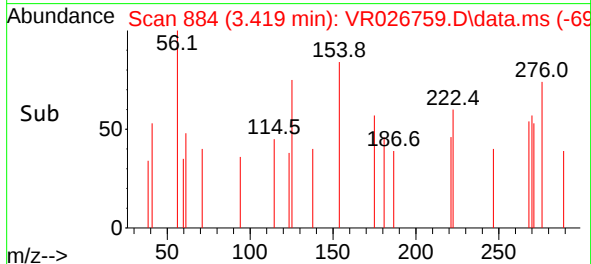
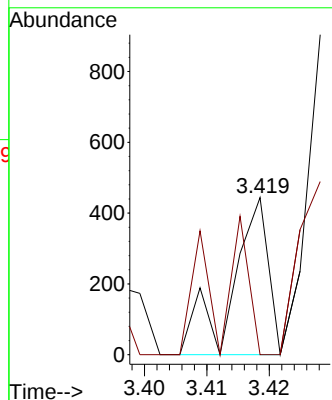
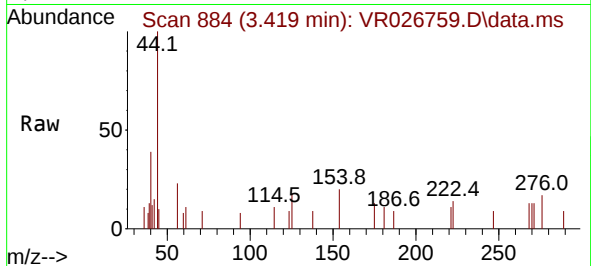




#13
Acrolein
Concen: Below Cal
RT: 3.419 min Scan# 884
Delta R.T. 0.017 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

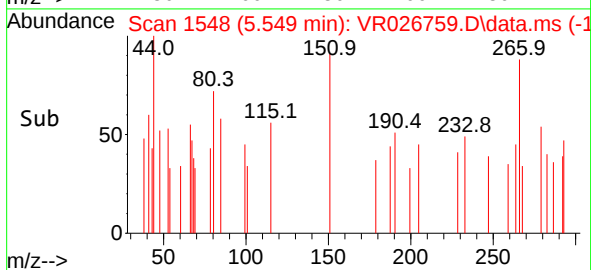
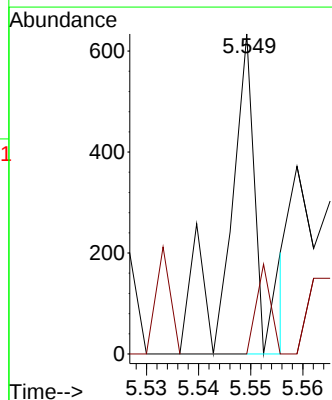
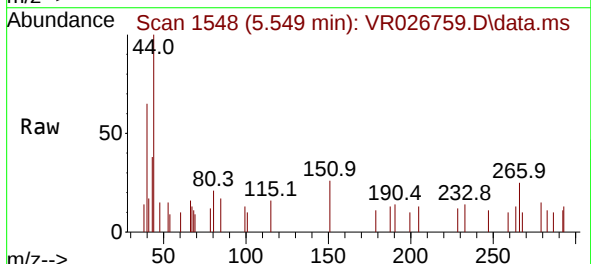
Instrument :
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ClientSampleId :
VR0825WBL01

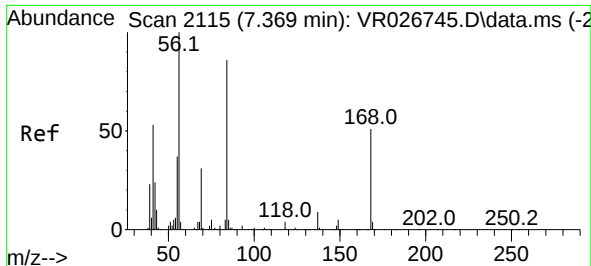
Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 80.8 56.9 85.3



#23
Vinyl Acetate
Concen: Below Cal
RT: 5.549 min Scan# 1548
Delta R.T. 0.006 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

Tgt Ion: 43 Resp: 257
Ion Ratio Lower Upper
43 100
86 0.0 18.9 28.3#

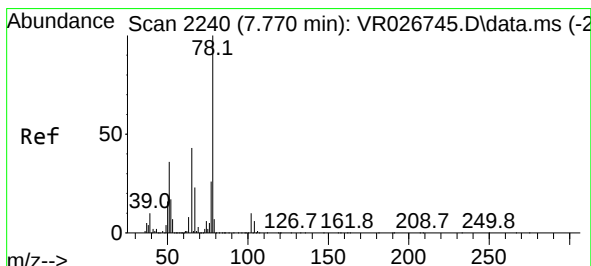
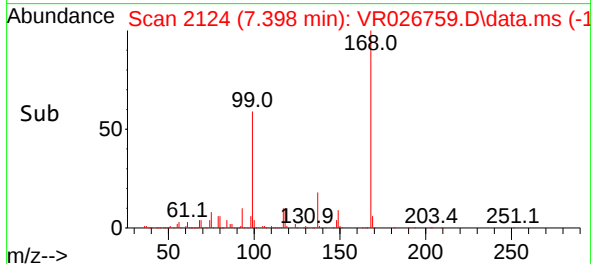
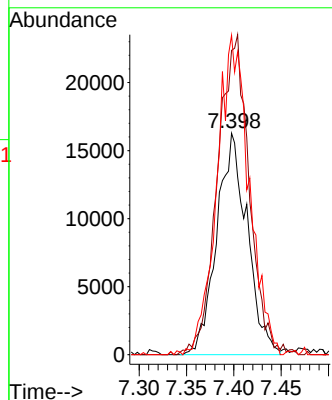
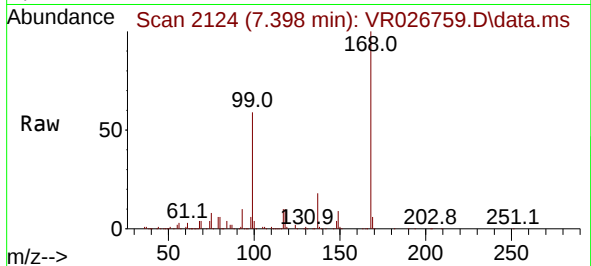




#30
Cyclohexane
Concen: 0.922 ug/l
RT: 7.398 min Scan# 2115
Delta R.T. 0.029 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

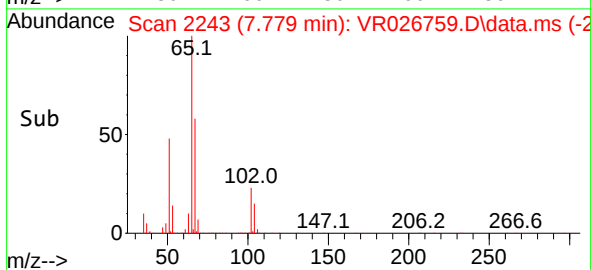
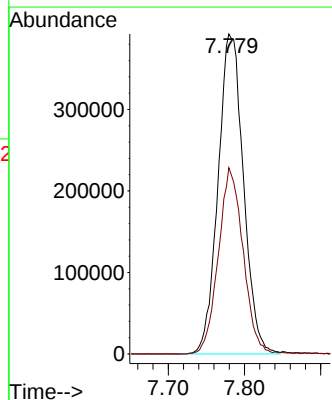
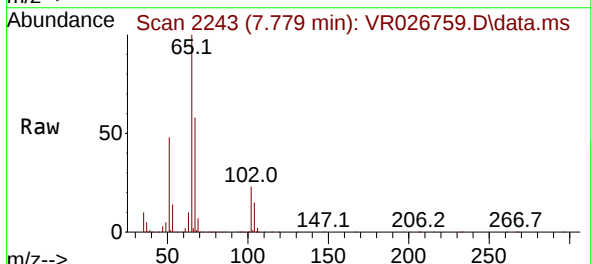
Instrument :
MSVOA_R
ClientSampleId :
VR0825WBL01

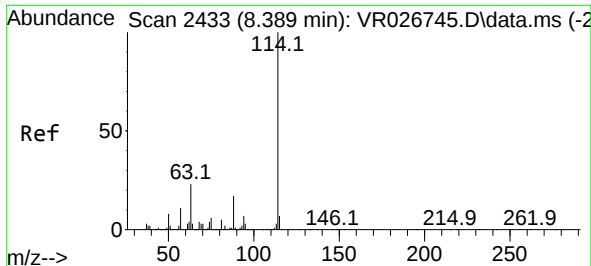
Tgt Ion: 56 Resp: 36316
Ion Ratio Lower Upper
56 100
69 136.4 24.6 37.0#
84 144.2 68.7 103.1#



#32
1,2-Dichloroethane-d4
Concen: 47.249 ug/l
RT: 7.779 min Scan# 2243
Delta R.T. 0.010 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

Tgt Ion: 65 Resp: 908812
Ion Ratio Lower Upper
65 100
67 56.7 0.0 111.4

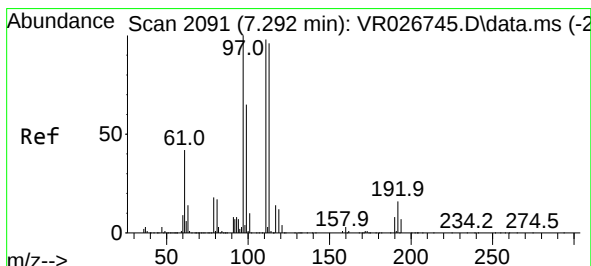
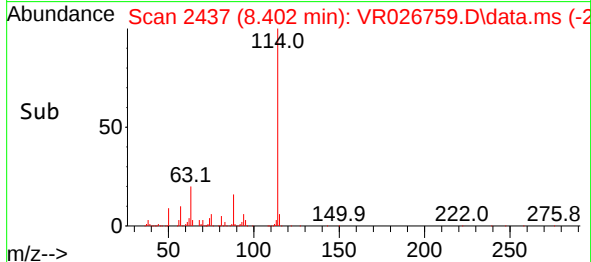
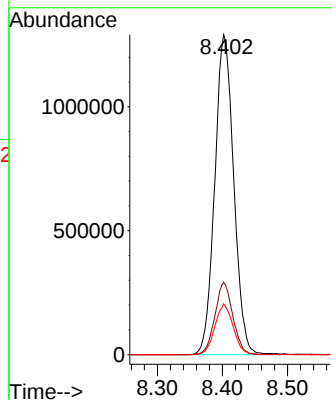
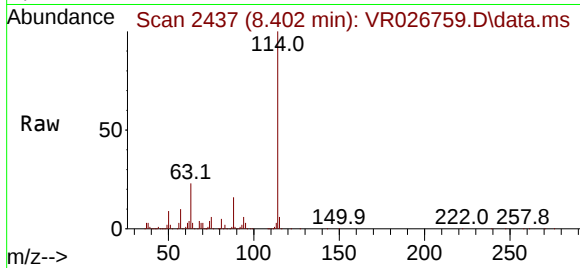




#33
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.402 min Scan# 2437
Delta R.T. 0.013 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

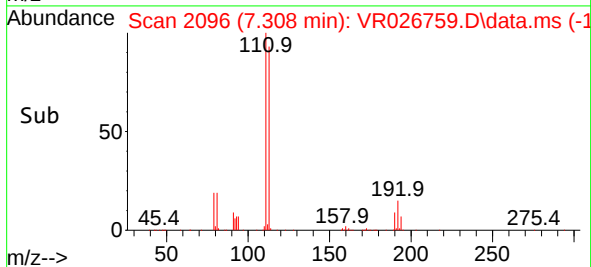
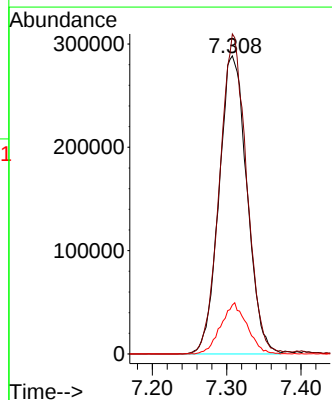
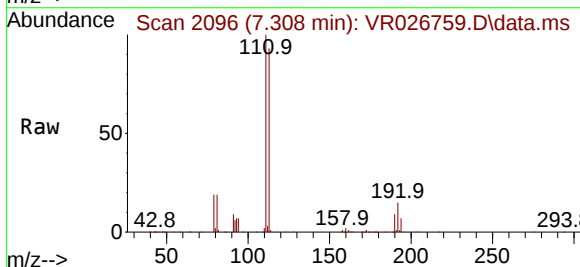
Instrument :
MSVOA_R
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VR0825WBL01

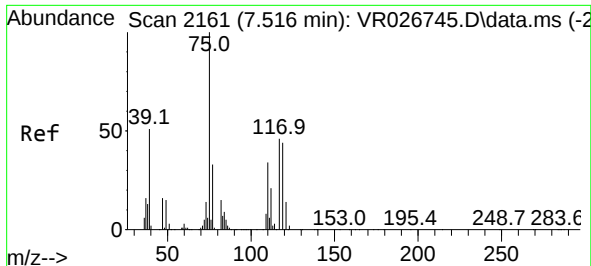
Tgt Ion:114 Resp: 2610961
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.8
88 15.9 0.0 34.8



#34
Dibromofluoromethane
Concen: 44.190 ug/l
RT: 7.308 min Scan# 2096
Delta R.T. 0.016 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

Tgt Ion:113 Resp: 752513
Ion Ratio Lower Upper
113 100
111 103.6 82.8 124.2
192 16.2 12.9 19.3

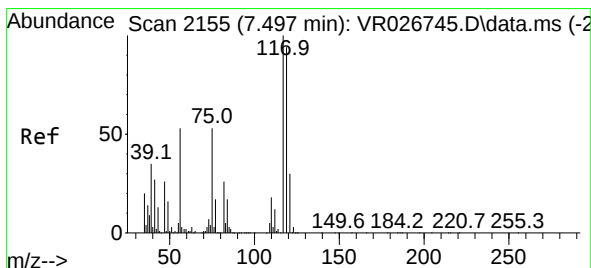
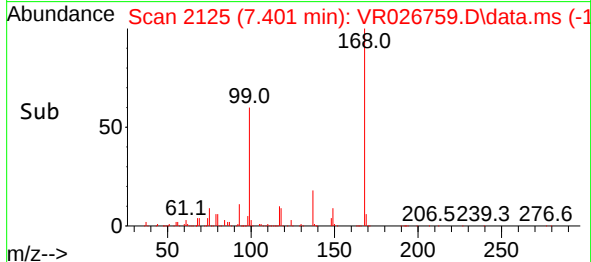
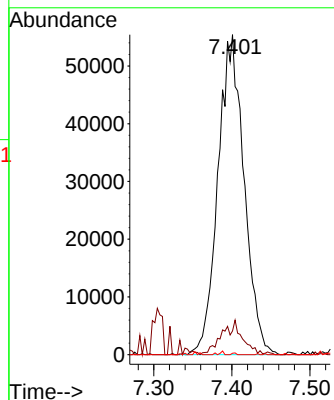
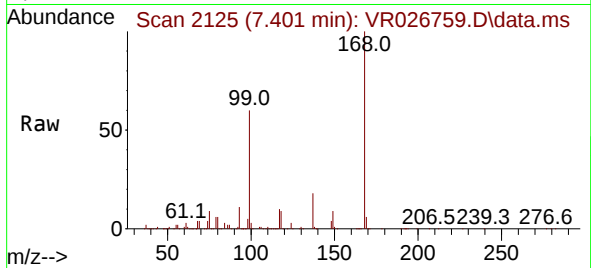




#35
 1,1-Dichloropropene
 Concen: 4.857 ug/l
 RT: 7.401 min Scan# 2125
 Delta R.T. -0.115 min
 Lab File: VR026759.D
 Acq: 25 Aug 2025 13:43

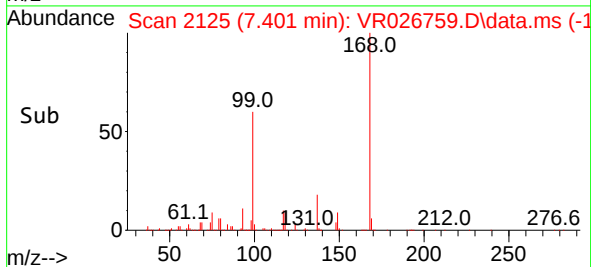
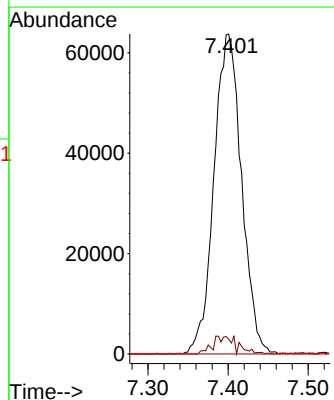
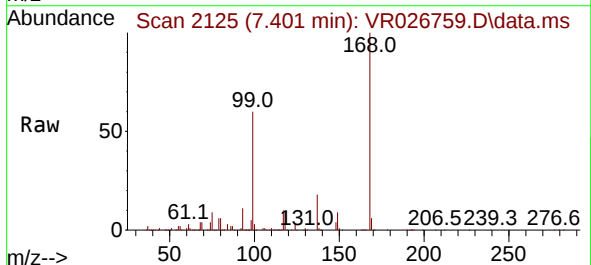
Instrument :
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 ClientSampleId :
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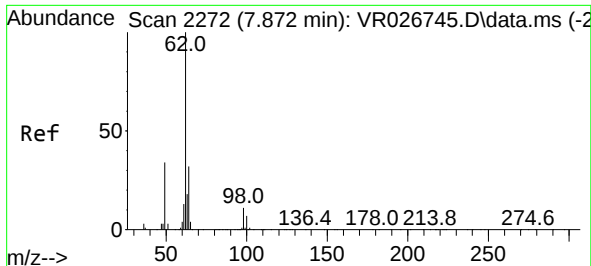
Tgt Ion: 75 Resp: 128814
 Ion Ratio Lower Upper
 75 100
 110 4.1 17.3 52.0#
 77 0.1 25.1 37.7#



#37
 Carbon Tetrachloride
 Concen: 6.381 ug/l
 RT: 7.401 min Scan# 2125
 Delta R.T. -0.096 min
 Lab File: VR026759.D
 Acq: 25 Aug 2025 13:43

Tgt Ion: 117 Resp: 152278
 Ion Ratio Lower Upper
 117 100
 119 4.7 75.1 112.7#
 121 0.0 24.2 36.2#

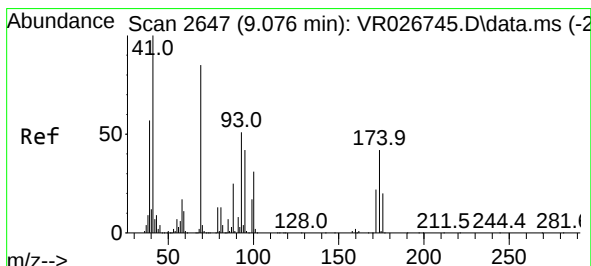
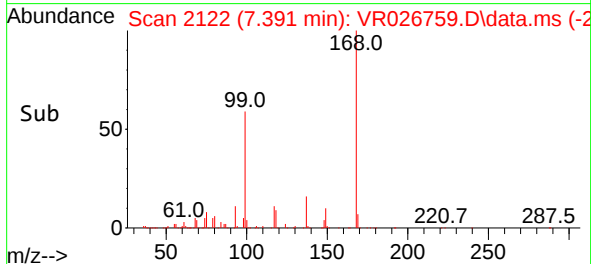
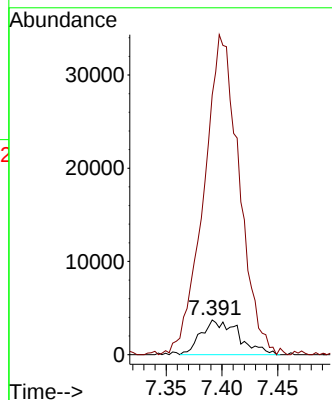
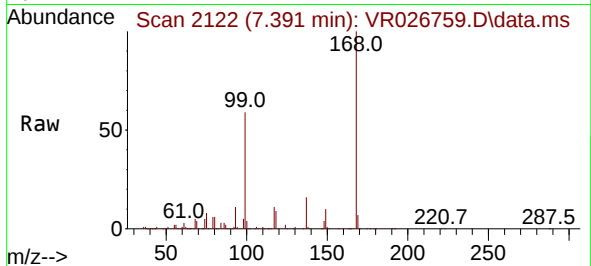




#41
 1,2-Dichloroethane
 Concen: 0.388 ug/l
 RT: 7.391 min Scan# 2122
 Delta R.T. -0.481 min
 Lab File: VR026759.D
 Acq: 25 Aug 2025 13:43

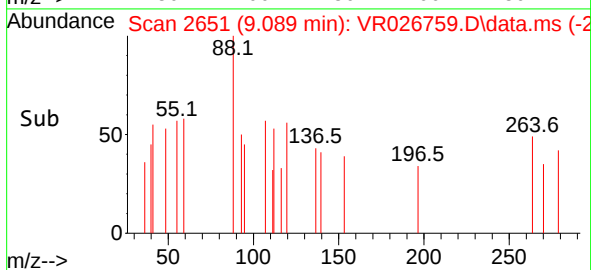
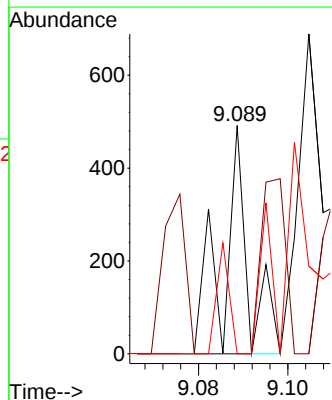
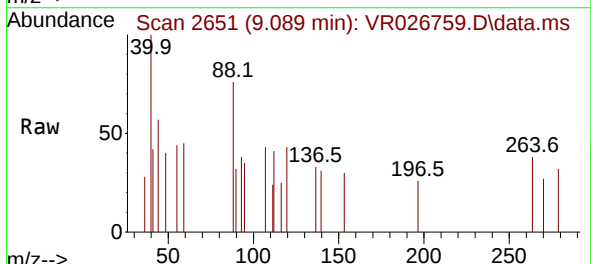
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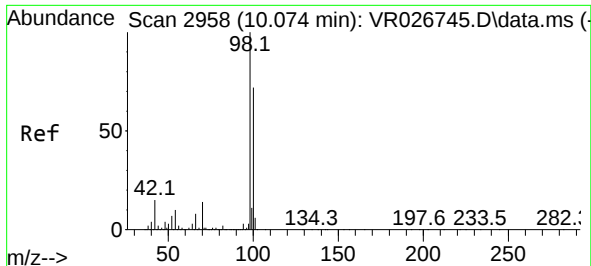
Tgt Ion: 62 Resp: 8766
 Ion Ratio Lower Upper
 62 100
 98 866.6 0.0 21.2#



#48
 1,4-Dioxane
 Concen: 0.637 ug/l
 RT: 9.089 min Scan# 2651
 Delta R.T. 0.013 min
 Lab File: VR026759.D
 Acq: 25 Aug 2025 13:43

Tgt Ion: 88 Resp: 192
 Ion Ratio Lower Upper
 88 100
 43 62.0 27.1 40.7#
 58 24.0 55.9 83.9#

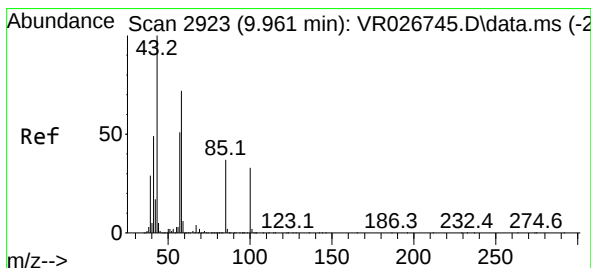
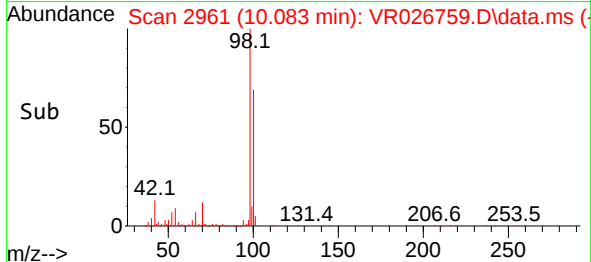
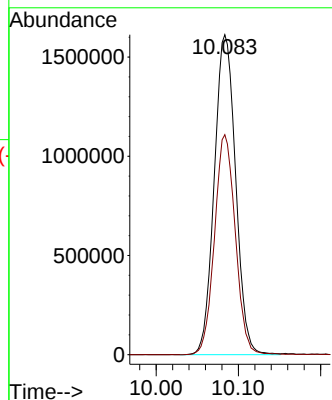
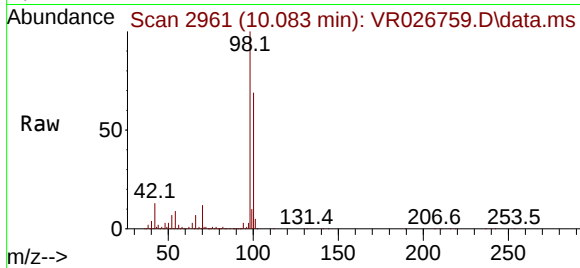




#49
Toluene-d8
Concen: 50.981 ug/l
RT: 10.083 min Scan# 2958
Delta R.T. 0.010 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

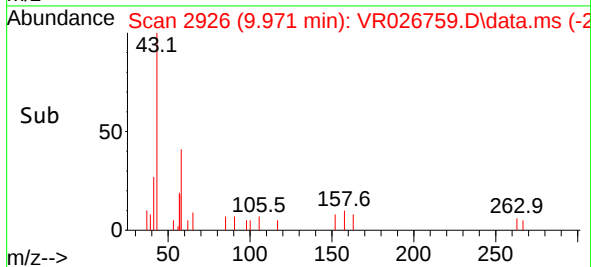
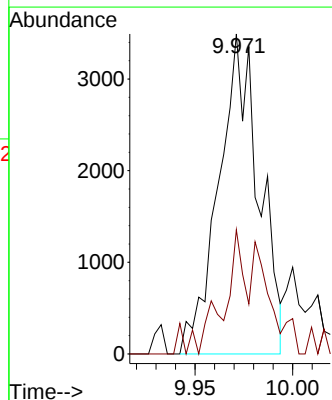
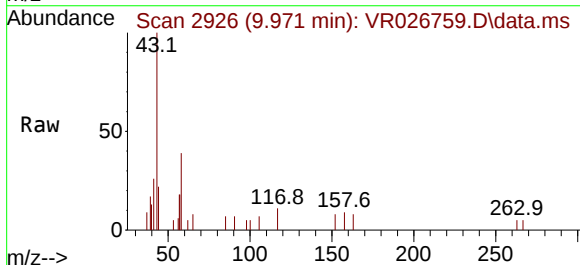
Instrument :
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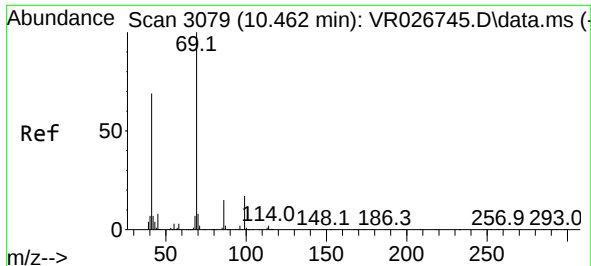
Tgt Ion: 98 Resp: 2910407
Ion Ratio Lower Upper
98 100
100 67.0 55.7 83.5



#50
4-Methyl-2-Pentanone
Concen: Below Cal
RT: 9.971 min Scan# 2926
Delta R.T. 0.010 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

Tgt Ion: 43 Resp: 4994
Ion Ratio Lower Upper
43 100
58 16.5 46.8 70.2#

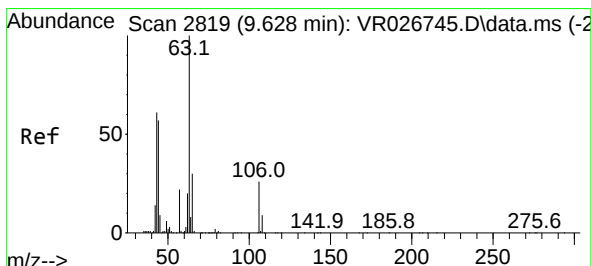
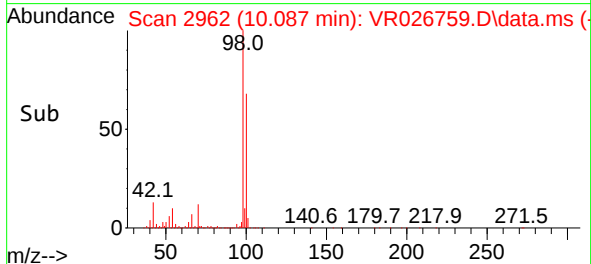
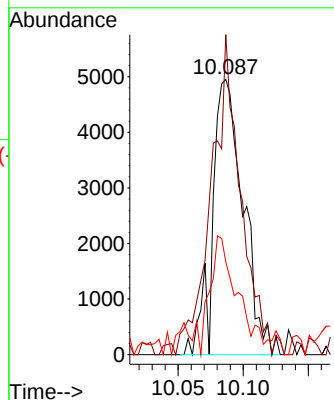
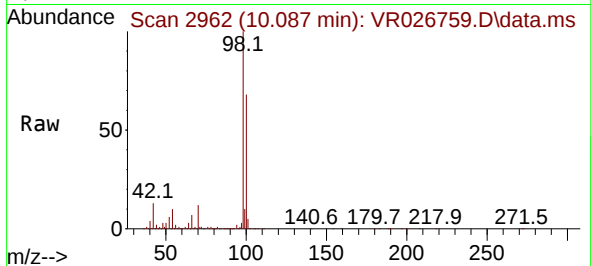




#55
Ethyl methacrylate
Concen: 0.285 ug/l
RT: 10.087 min Scan# 2962
Delta R.T. -0.375 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

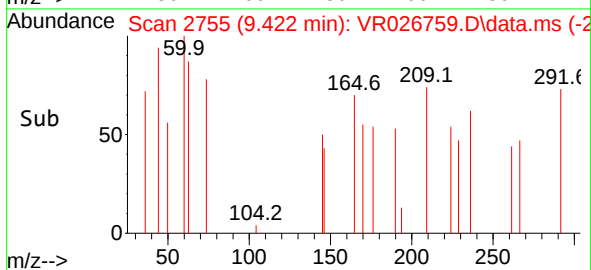
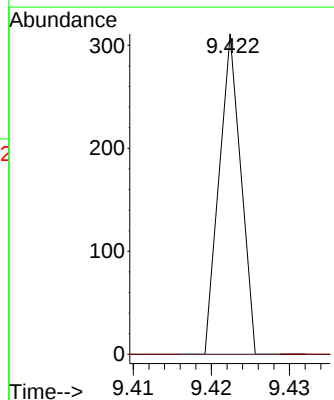
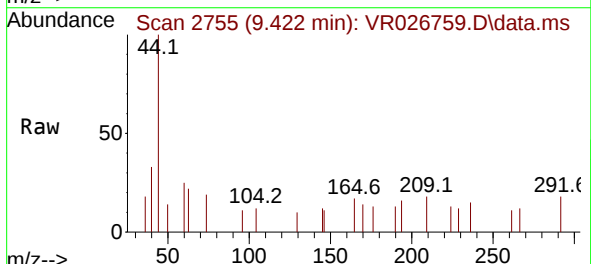
Instrument :
MSVOA_R
ClientSampleId :
VR0825WBL01

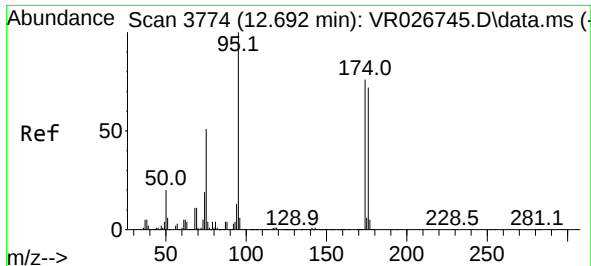
Tgt Ion: 69 Resp: 8086
Ion Ratio Lower Upper
69 100
41 112.4 55.6 83.4#
39 41.1 29.2 43.8



#57
2-Chloroethyl Vinyl ether
Concen: 19.498 ug/l
RT: 9.422 min Scan# 2755
Delta R.T. -0.206 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

Tgt Ion: 63 Resp: 60
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

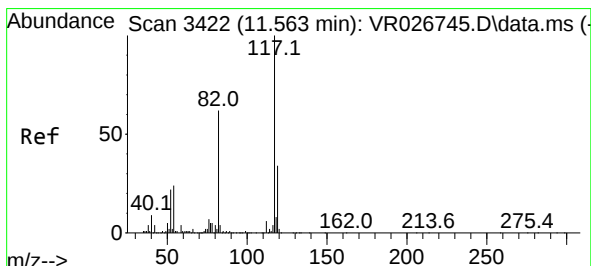
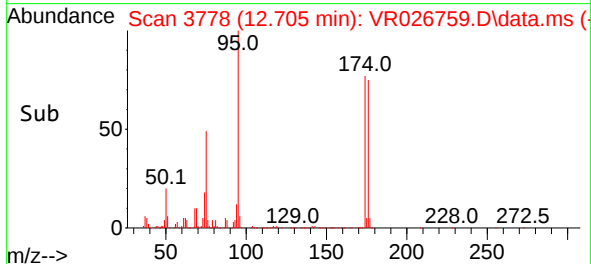
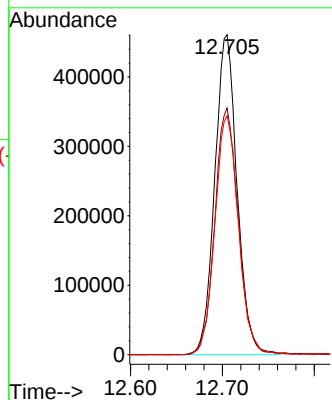
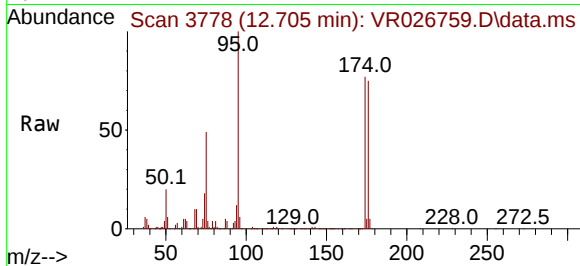




#61
4-Bromofluorobenzene
Concen: 48.027 ug/l
RT: 12.705 min Scan# 31
Delta R.T. 0.013 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

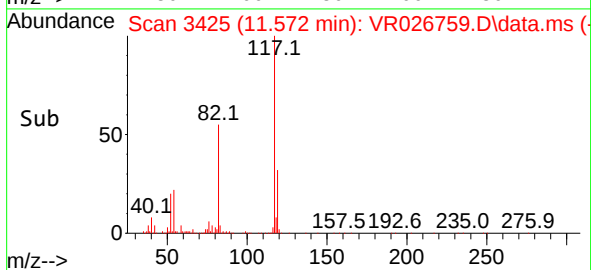
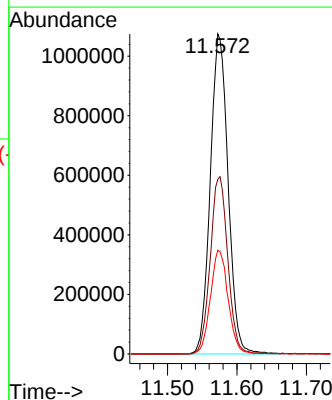
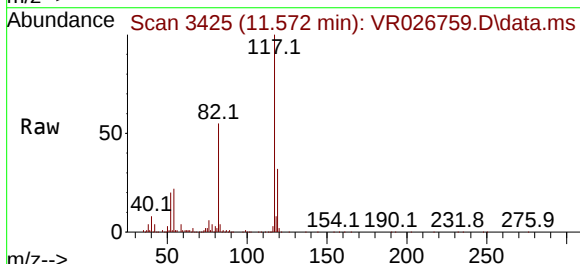
Instrument :
MSVOA_R
ClientSampleId :
VR0825WBL01

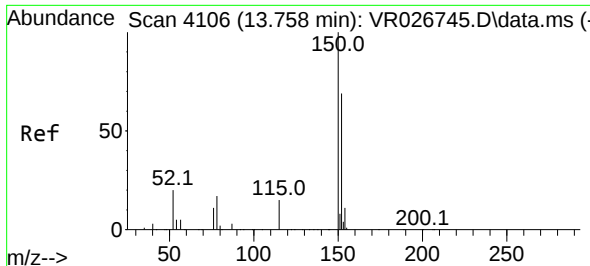
Tgt Ion: 95 Resp: 777943
Ion Ratio Lower Upper
95 100
174 81.1 0.0 156.6
176 78.9 0.0 150.2



#62
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.572 min Scan# 3425
Delta R.T. 0.009 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

Tgt Ion: 117 Resp: 1908342
Ion Ratio Lower Upper
117 100
82 54.6 49.9 74.9
119 32.4 27.4 41.2

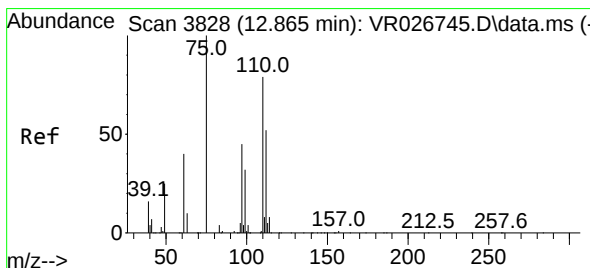
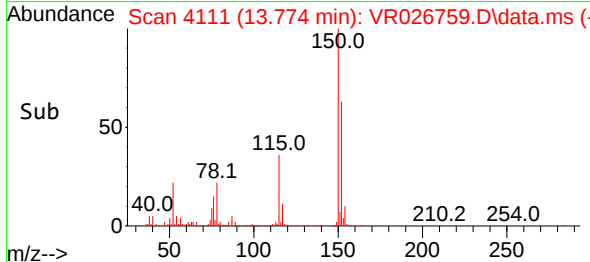
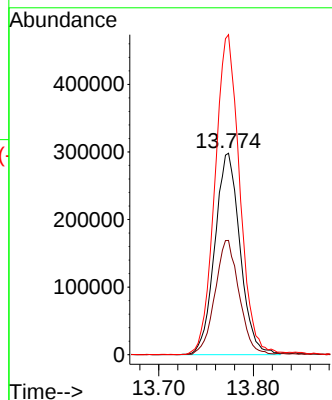
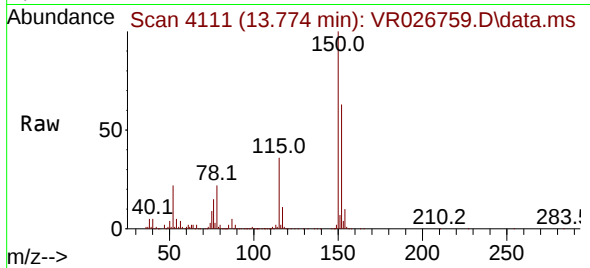




#71
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.774 min Scan# 4106
Delta R.T. 0.016 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

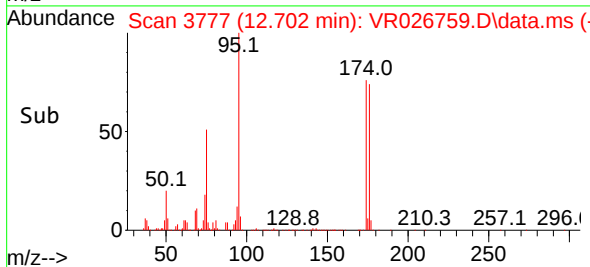
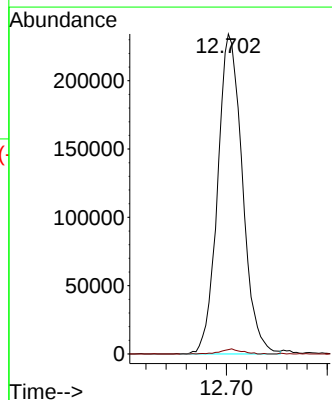
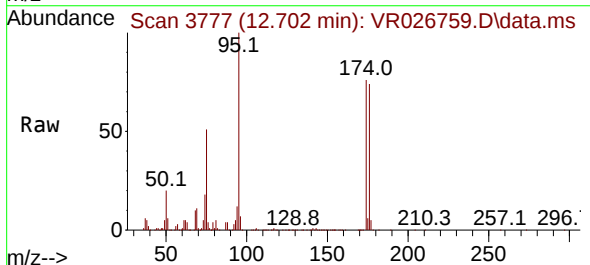
Instrument :
MSVOA_R
ClientSampleId :
VR0825WBL01

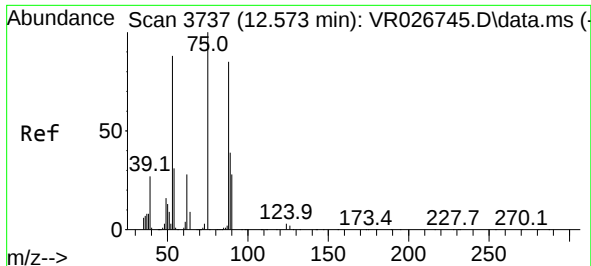
Tgt Ion:152 Resp: 552114
Ion Ratio Lower Upper
152 100
115 54.3 28.5 85.5
150 155.8 0.0 352.0



#75
1,2,3-Trichloropropane
Concen: 29.344 ug/l
RT: 12.702 min Scan# 3777
Delta R.T. -0.164 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

Tgt Ion: 75 Resp: 399364
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

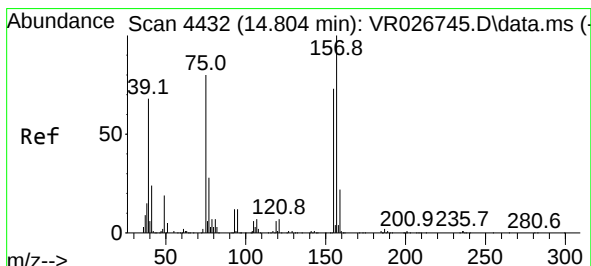
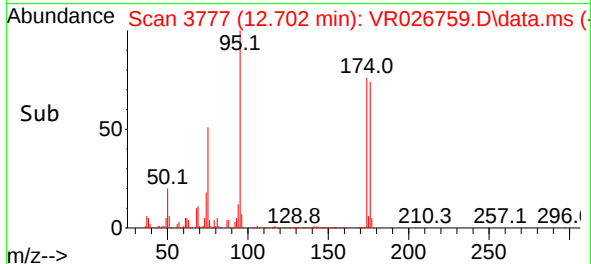
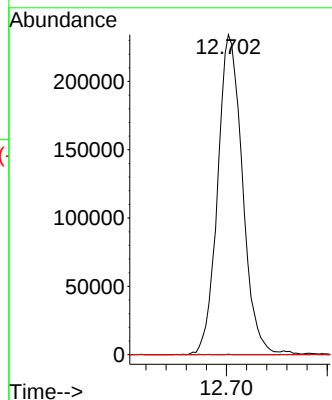
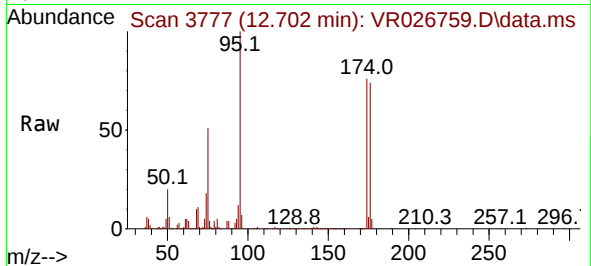




#80
 trans-1,4-Dichloro-2-butene
 Concen: 71.225 ug/l
 RT: 12.702 min Scan# 31
 Delta R.T. 0.129 min
 Lab File: VR026759.D
 Acq: 25 Aug 2025 13:43

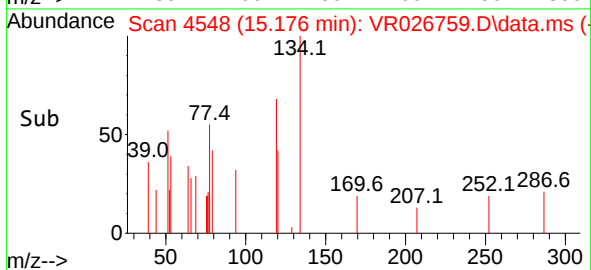
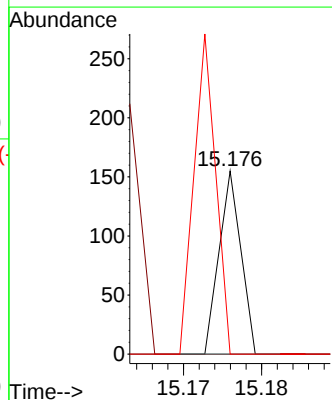
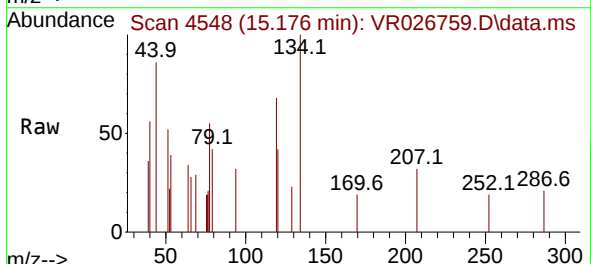
Instrument :
 MSVOA_R
 ClientSampleId :
 VR0825WBL01

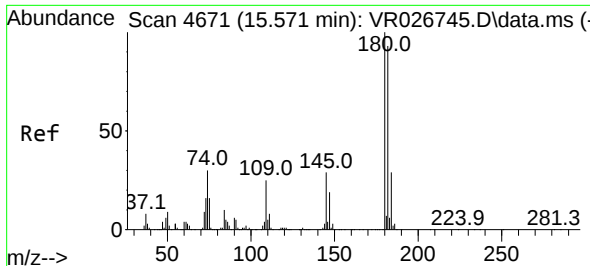
Tgt Ion: 75 Resp: 399364
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.9 106.3#
 89 0.0 33.4 50.0#



#91
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 15.176 min Scan# 4548
 Delta R.T. 0.372 min
 Lab File: VR026759.D
 Acq: 25 Aug 2025 13:43

Tgt Ion: 75 Resp: 30
 Ion Ratio Lower Upper
 75 100
 155 136.7 48.4 145.3
 157 173.3 62.3 186.8

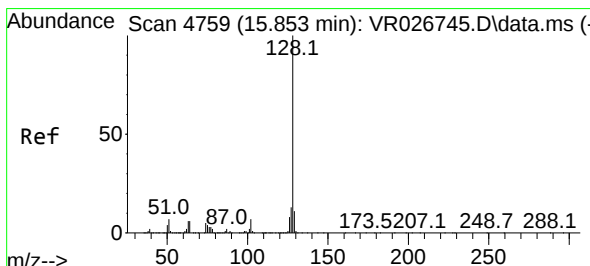
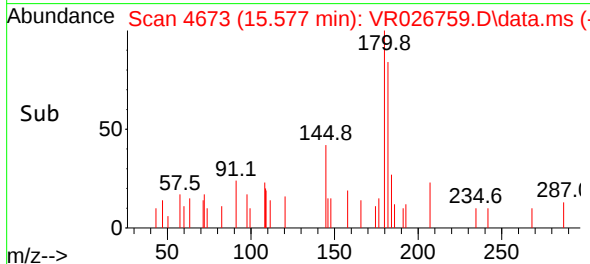
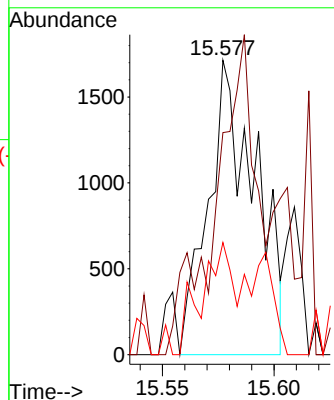
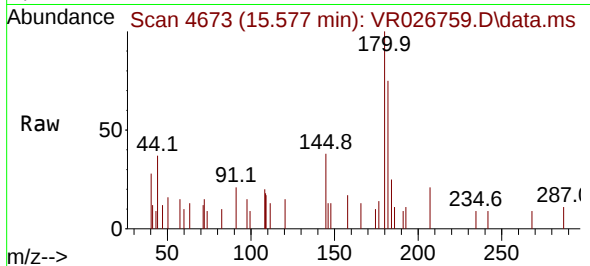




#92
1,2,4-Trichlorobenzene
Concen: 0.233 ug/l
RT: 15.577 min Scan# 4671
Delta R.T. 0.007 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

Instrument :
MSVOA_R
ClientSampleId :
VR0825WBL01

Tgt Ion:	180	Resp:	2509
Ion Ratio	Lower	Upper	
180	100		
182	73.2	47.1	141.4
145	27.1	14.4	43.4



#94
Naphthalene
Concen: 0.325 ug/l
RT: 15.866 min Scan# 4763
Delta R.T. 0.013 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

Tgt Ion:	128	Resp:	9986
Ion Ratio	Lower	Upper	
128	100		
127	9.2	10.0	15.0#
129	21.9	8.7	13.1#

