

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032549.D
 Acq On : 26 Nov 2025 17:11
 Operator : SY/MD
 Sample : Q3719-10
 Misc : 5.17g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 00:30:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

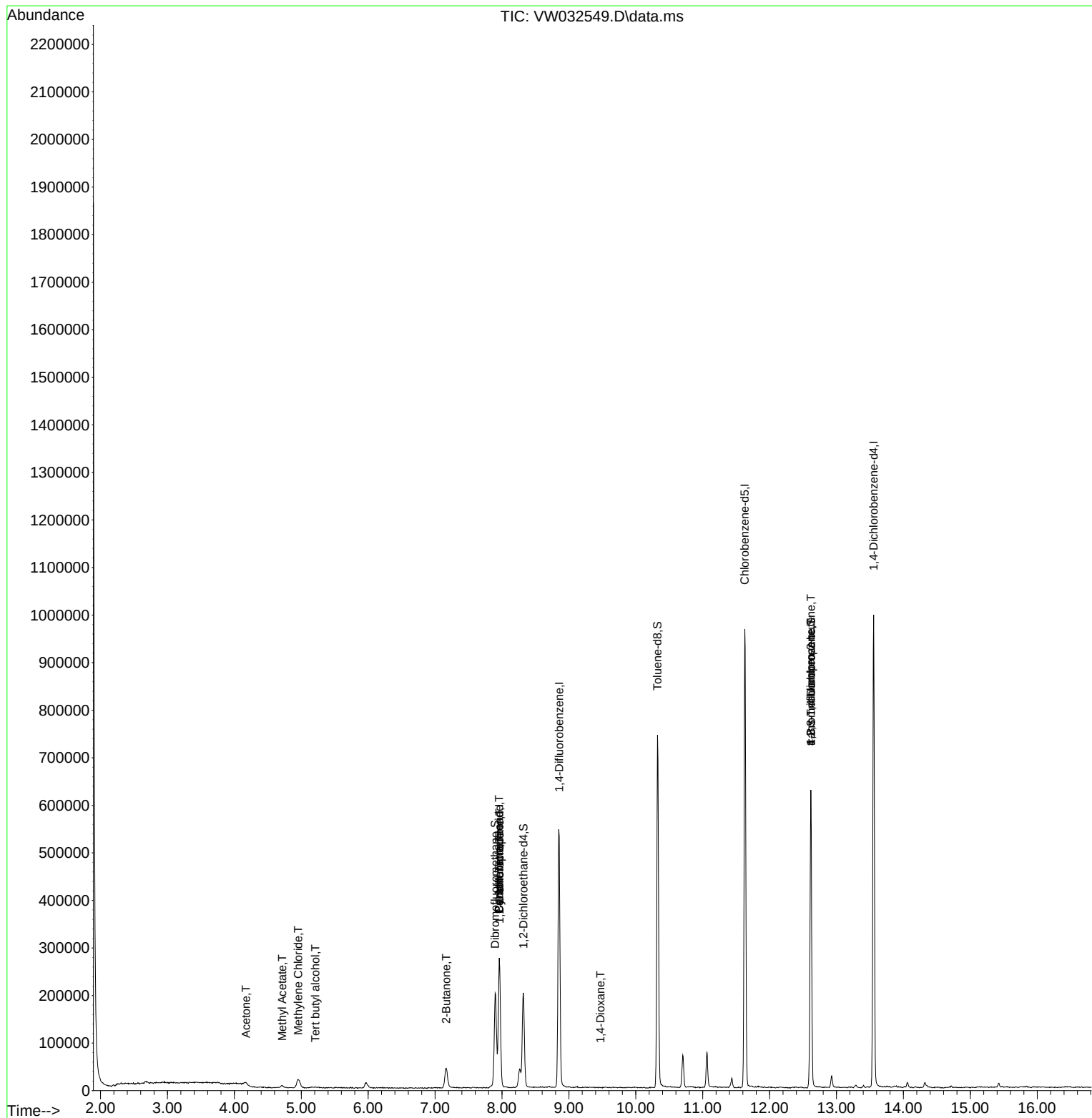
Internal Standards						
1) Pentafluorobenzene	7.959	168	181206	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	452149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	513533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	252269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	164526	70.425	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 140.860%		
35) Dibromofluoromethane	7.898	113	150363	55.543	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 111.080%		
50) Toluene-d8	10.325	98	479373	46.158	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 92.320%		
62) 4-Bromofluorobenzene	12.617	95	216082	55.078	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 110.160%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.210	59	300	1.485	ug/l	# 1
16) Acetone	4.173	43	2467	3.530	ug/l	96
18) Methyl Acetate	4.716	43	10315	5.960	ug/l	97
20) Methylene Chloride	4.954	84	16393	6.558	ug/l	97
25) 2-Butanone	7.167	43	2378	2.309	ug/l	# 67
31) Cyclohexane	7.959	56	4737	1.226	ug/l	# 1
36) 1,1-Dichloropropene	7.965	75	17476	4.381	ug/l	# 50
38) Carbon Tetrachloride	7.959	117	20995	5.924	ug/l	# 15
49) 1,4-Dioxane	9.471	88	41	1.566	ug/l	# 1
76) 1,2,3-Trichloropropane	12.617	75	113416	32.788	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	113416	75.100	ug/l	# 11

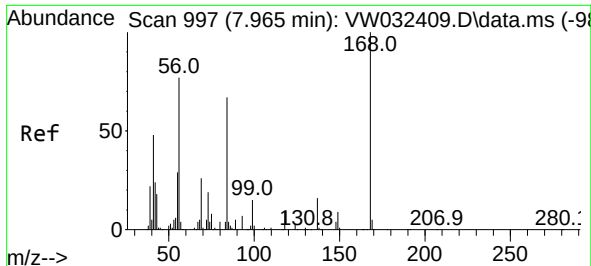
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032549.D
Acq On : 26 Nov 2025 17:11
Operator : SY/MD
Sample : Q3719-10
Misc : 5.17g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Nov 27 00:30:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

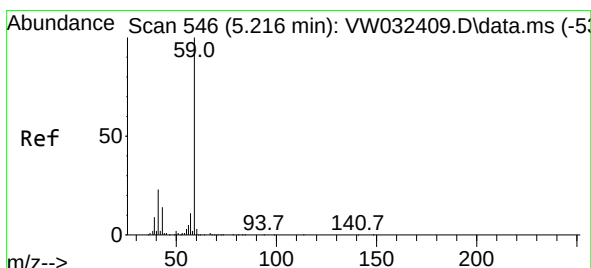
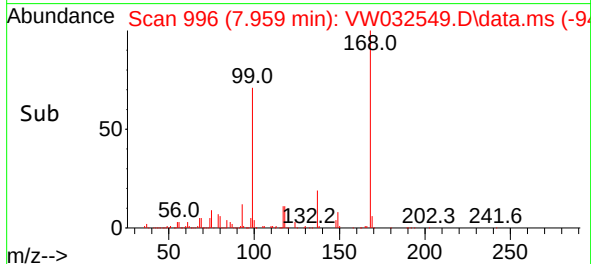
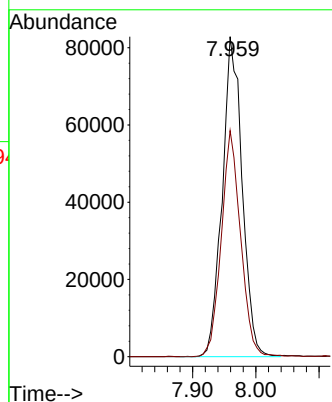
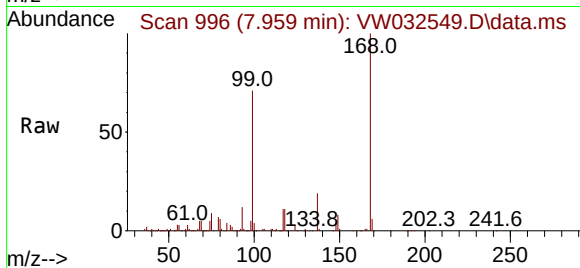




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

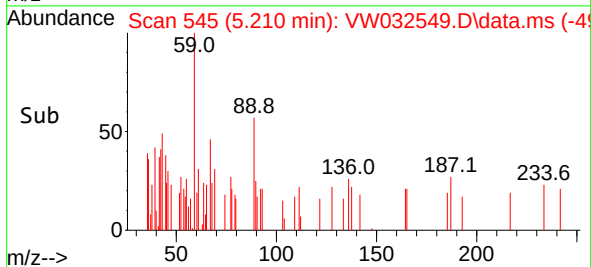
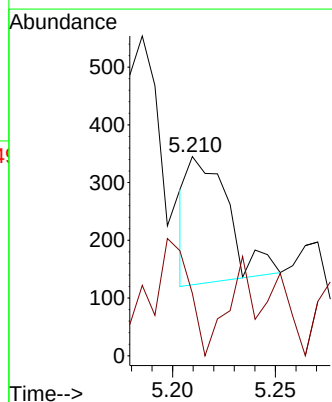
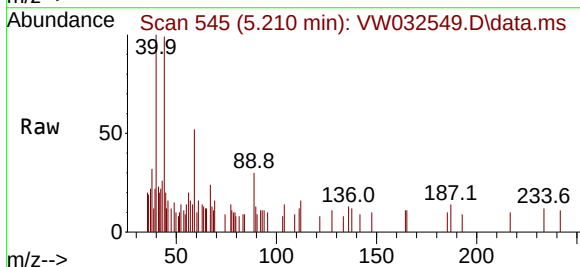
Instrument :
MSVOA_W
ClientSampleId :

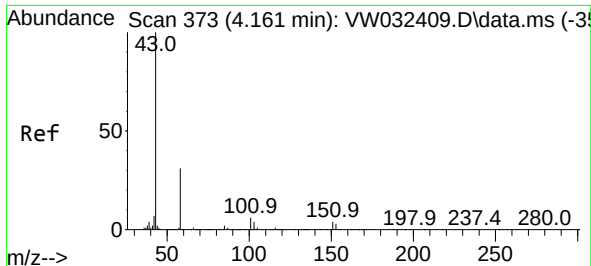
Tgt Ion:168 Resp: 181206
Ion Ratio Lower Upper
168 100
99 70.7 45.4 68.2#



#11
Tert butyl alcohol
Concen: 1.485 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.006 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

Tgt Ion: 59 Resp: 300
Ion Ratio Lower Upper
59 100
57 83.3 8.6 12.8#

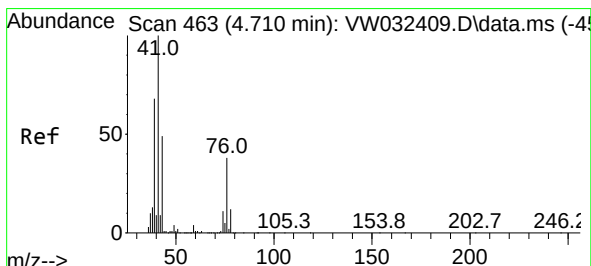
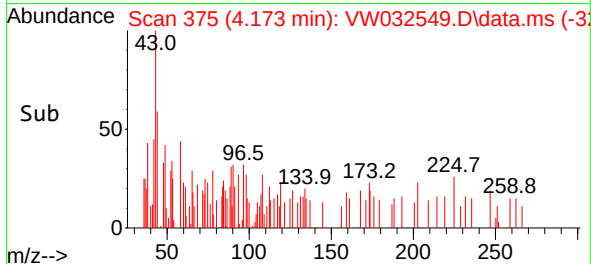
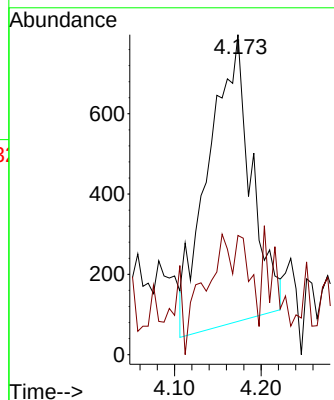
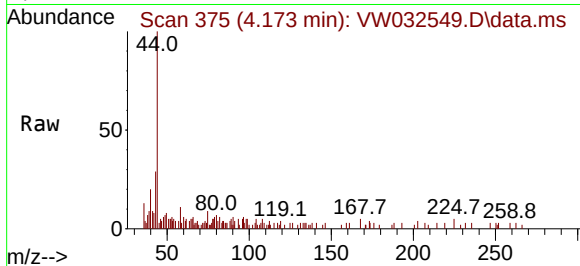




#16
Acetone
Concen: 3.530 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

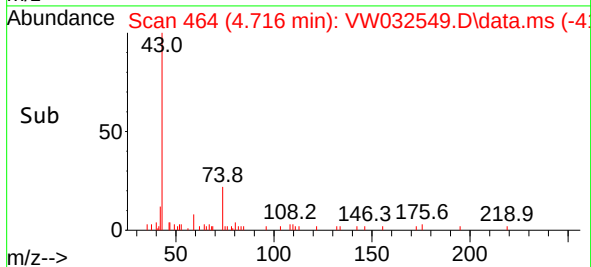
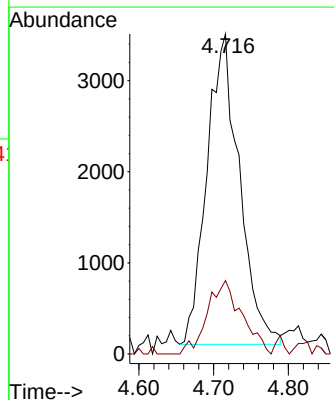
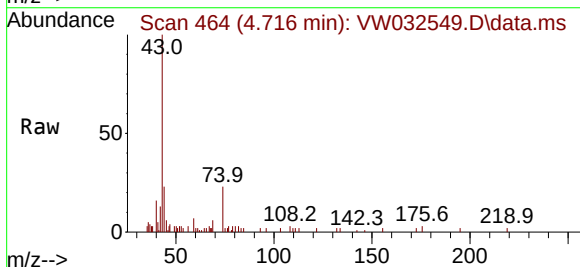
Instrument :
MSVOA_W
ClientSampleId :

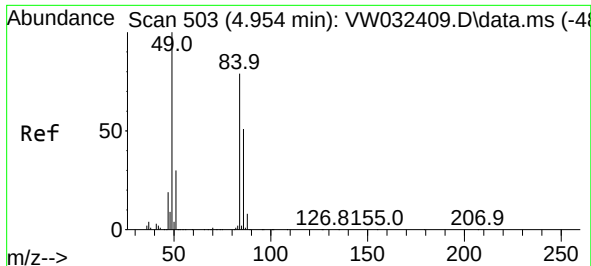
Tgt Ion: 43 Resp: 2467
Ion Ratio Lower Upper
43 100
58 28.6 24.8 37.2



#18
Methyl Acetate
Concen: 5.960 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

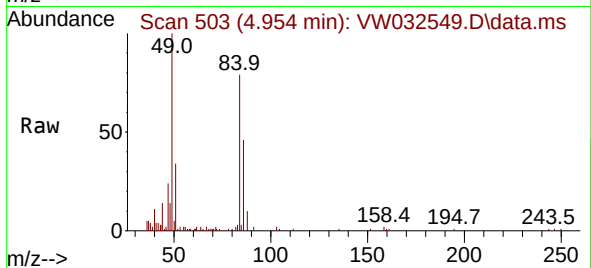
Tgt Ion: 43 Resp: 10315
Ion Ratio Lower Upper
43 100
74 25.1 18.9 28.3



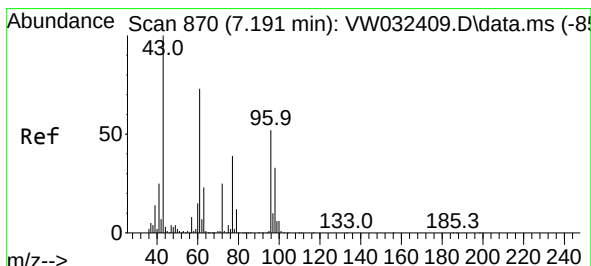
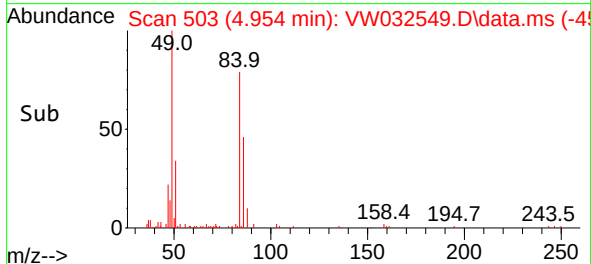
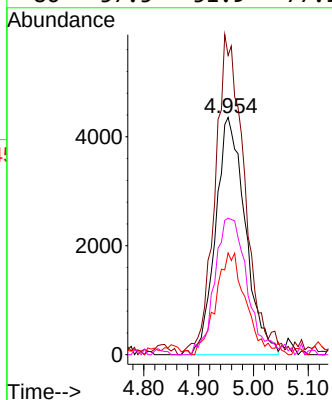


#20
Methylene Chloride
Concen: 6.558 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

Instrument :
MSVOA_W
ClientSampleId :

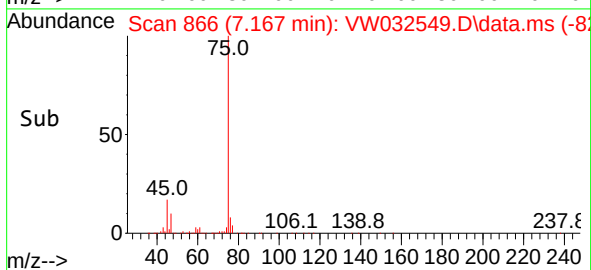
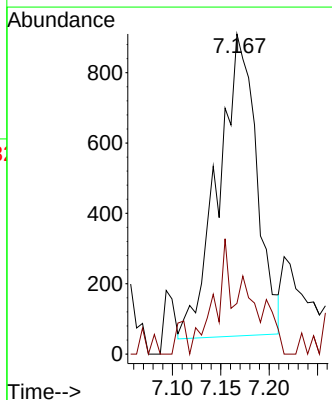
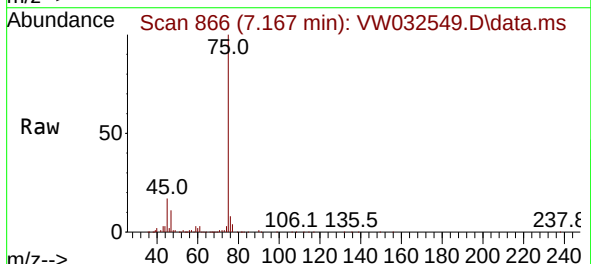


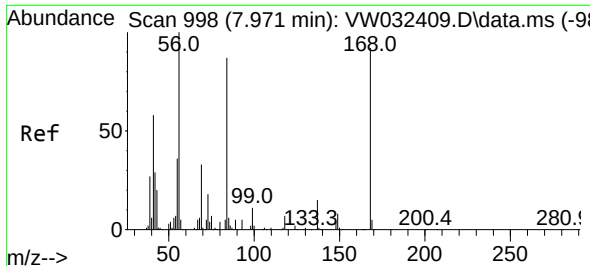
Tgt Ion:	84	Resp:	16393
Ion	Ratio	Lower	Upper
84	100		
49	126.1	101.5	152.3
51	39.8	30.6	46.0
86	57.5	51.9	77.9



#25
2-Butanone
Concen: 2.309 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

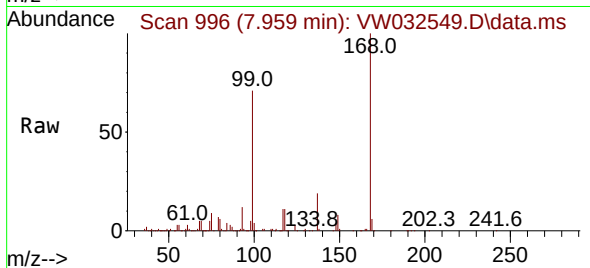
Tgt Ion:	43	Resp:	2378
Ion	Ratio	Lower	Upper
43	100		
72	8.6	20.0	30.0#



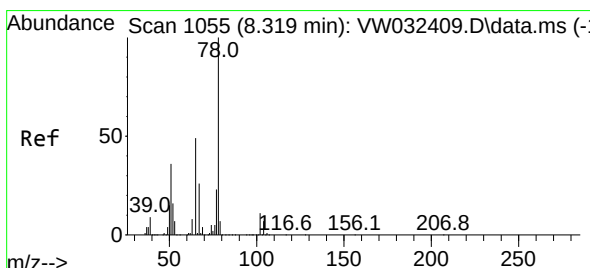
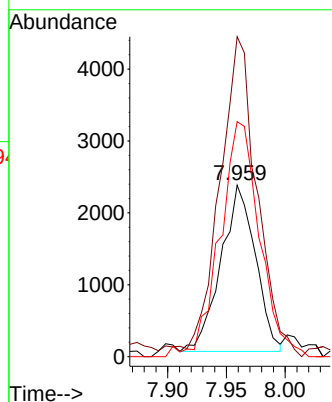
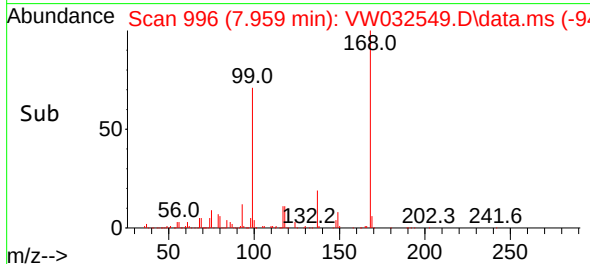


#31
Cyclohexane
Concen: 1.226 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

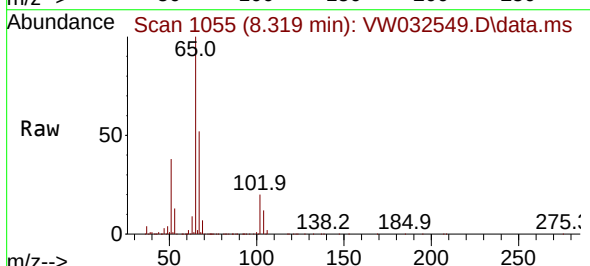
Instrument :
MSVOA_W
ClientSampleId :



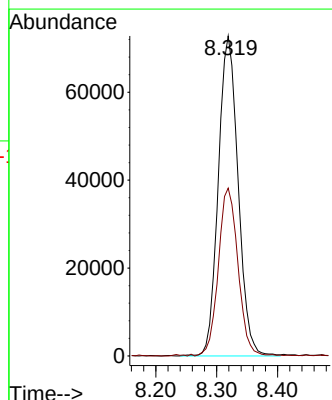
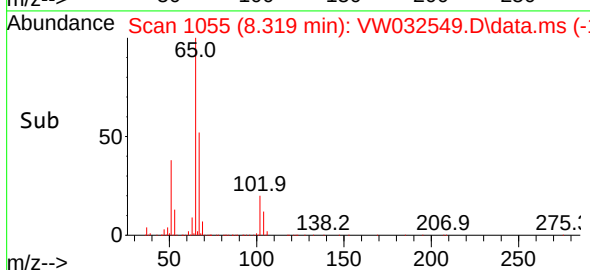
Tgt Ion: 56 Resp: 4737
Ion Ratio Lower Upper
56 100
69 186.2 26.5 39.7#
84 138.6 69.6 104.4#

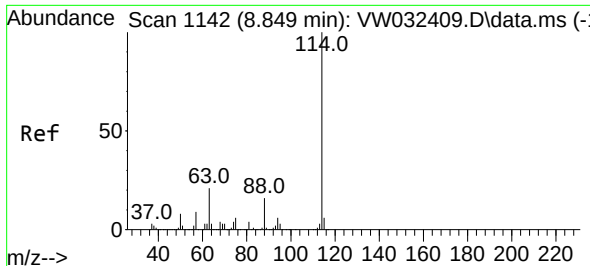


#33
1,2-Dichloroethane-d4
Concen: 70.425 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11



Tgt Ion: 65 Resp: 164526
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8

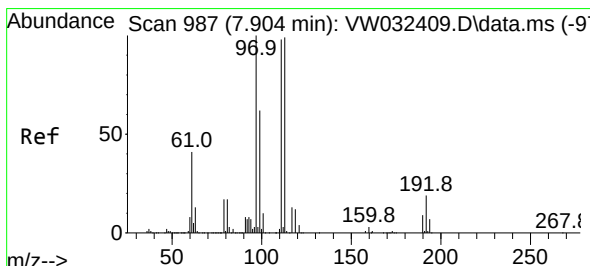
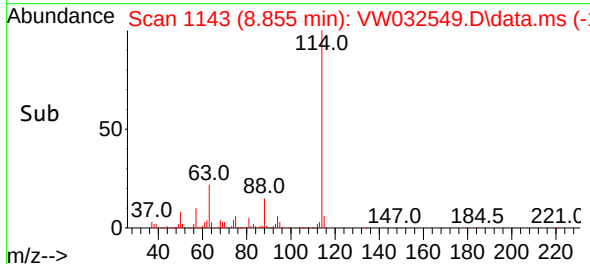
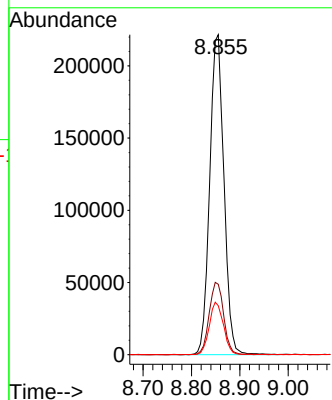
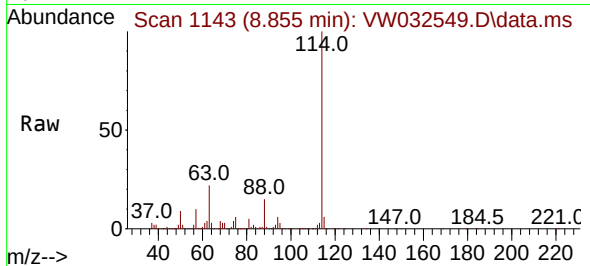




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

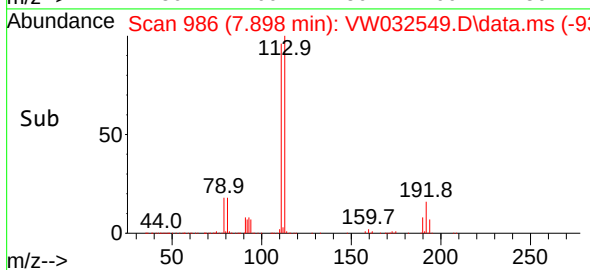
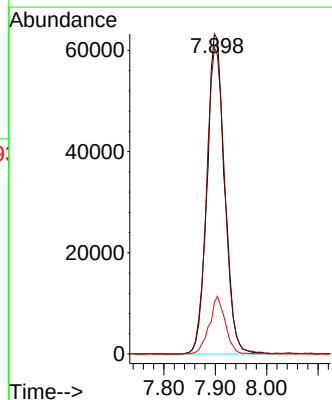
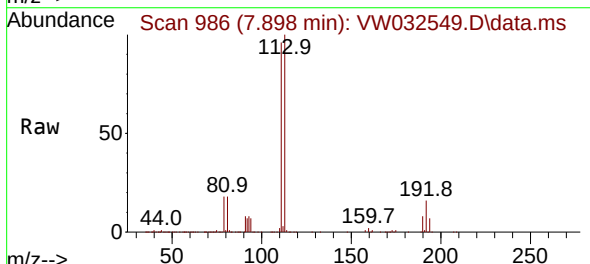
Instrument :
MSVOA_W
ClientSampleId :

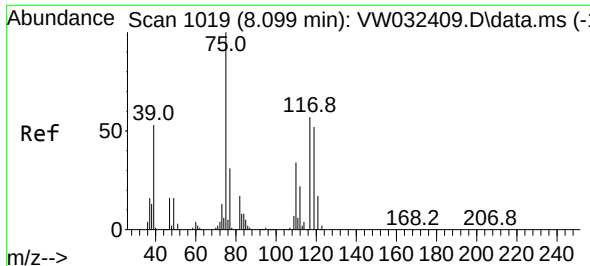
Tgt Ion:114 Resp: 452149
Ion Ratio Lower Upper
114 100
63 22.0 0.0 41.8
88 15.3 0.0 32.6



#35
Dibromofluoromethane
Concen: 55.543 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

Tgt Ion:113 Resp: 150363
Ion Ratio Lower Upper
113 100
111 99.1 83.1 124.7
192 16.3 13.4 20.2

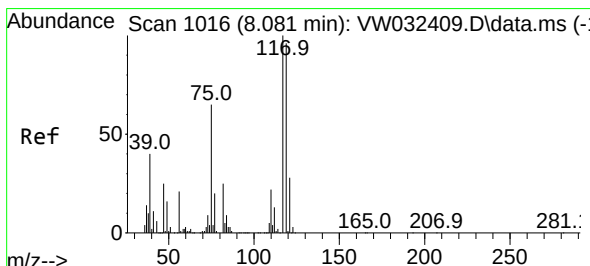
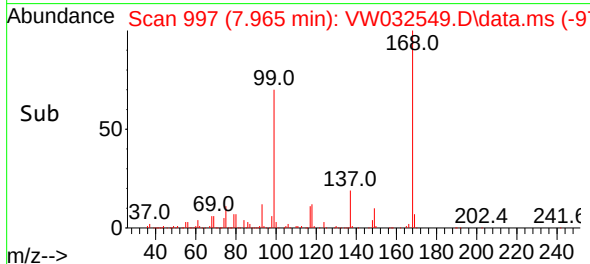
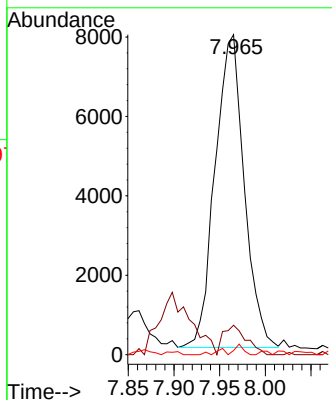
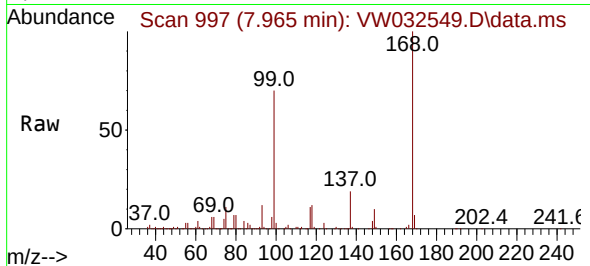




#36
 1,1-Dichloropropene
 Concen: 4.381 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032549.D
 Acq: 26 Nov 2025 17:11

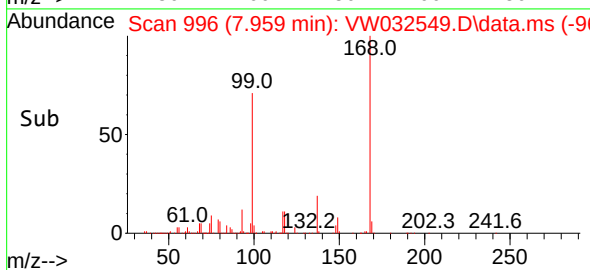
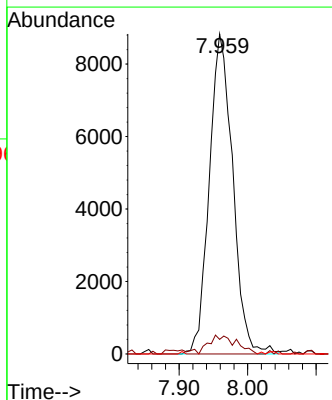
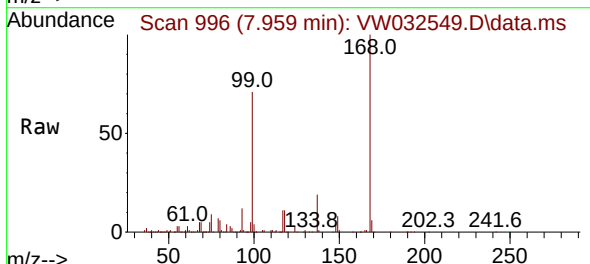
Instrument :
 MSVOA_W
 ClientSampleId :

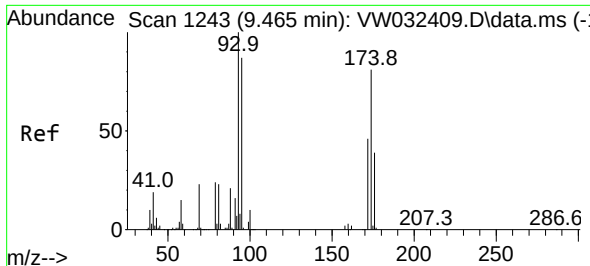
Tgt Ion: 75 Resp: 17476
 Ion Ratio Lower Upper
 75 100
 110 7.4 17.2 51.5#
 77 1.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.924 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032549.D
 Acq: 26 Nov 2025 17:11

Tgt Ion: 117 Resp: 20995
 Ion Ratio Lower Upper
 117 100
 119 3.6 77.0 115.4#
 121 0.0 22.0 33.0#

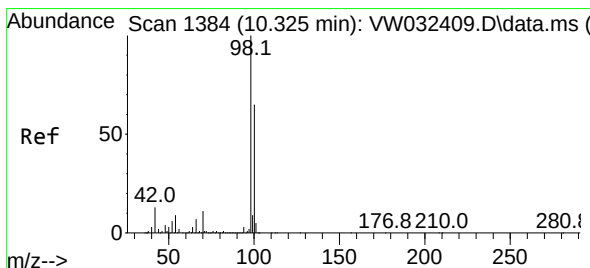
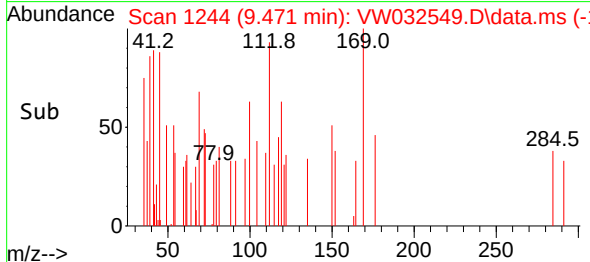
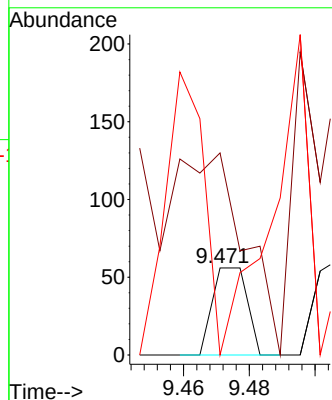
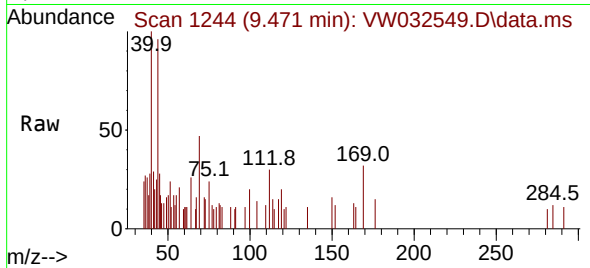




#49
1,4-Dioxane
Concen: 1.566 ug/l
RT: 9.471 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

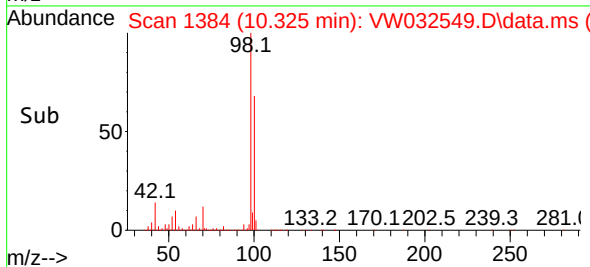
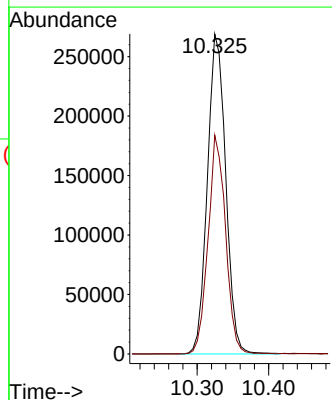
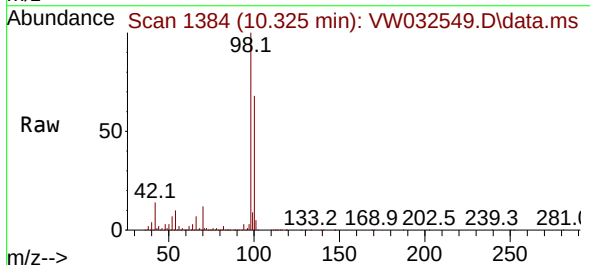
Instrument :
MSVOA_W
ClientSampleId :

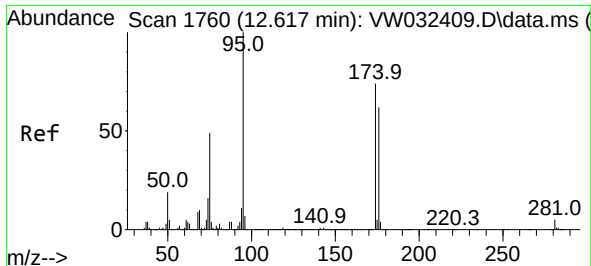
Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 456.1 0.0 0.0#
58 361.0 63.0 94.4#



#50
Toluene-d8
Concen: 46.158 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

Tgt Ion: 98 Resp: 479373
Ion Ratio Lower Upper
98 100
100 65.4 53.3 79.9

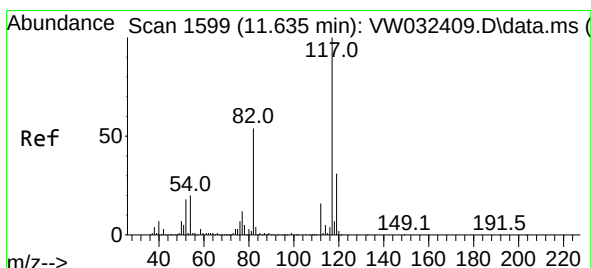
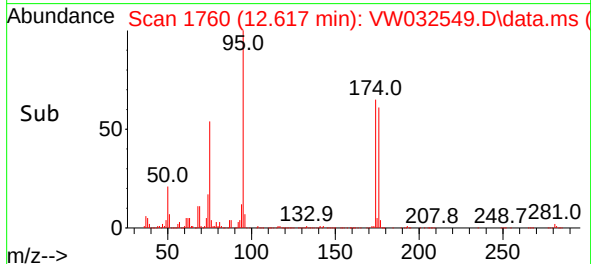
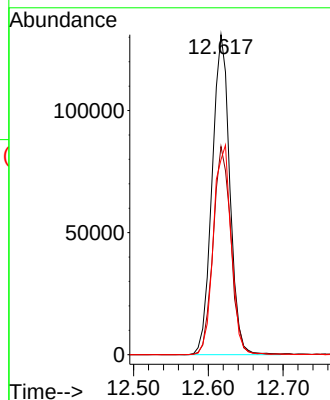
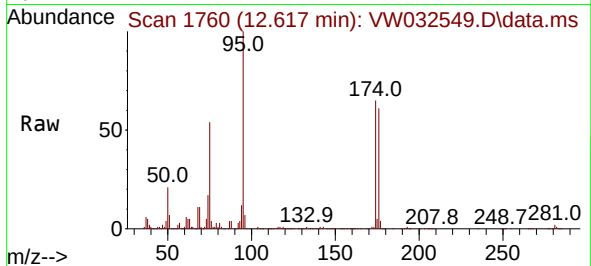




#62
4-Bromofluorobenzene
Concen: 55.078 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

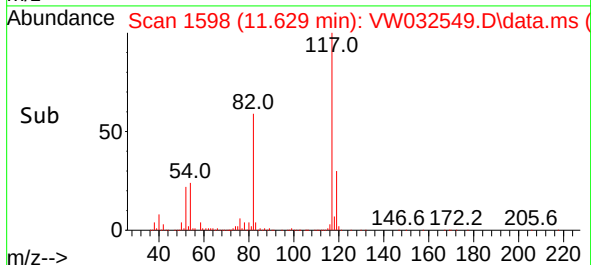
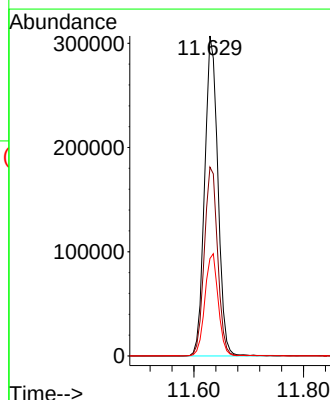
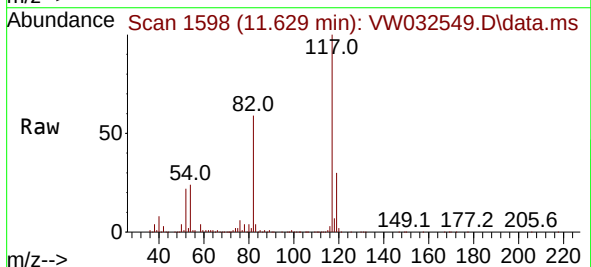
Instrument :
MSVOA_W
ClientSampleId :

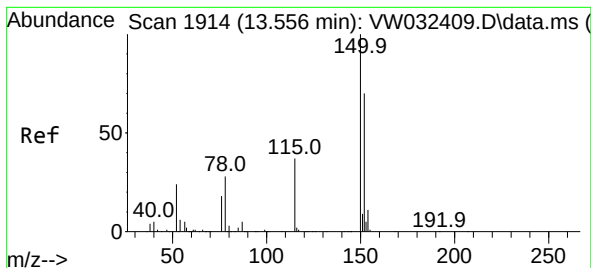
Tgt Ion: 95 Resp: 216082
Ion Ratio Lower Upper
95 100
174 65.2 0.0 135.4
176 65.8 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

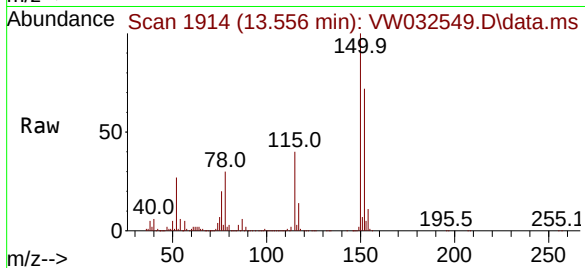
Tgt Ion: 117 Resp: 513533
Ion Ratio Lower Upper
117 100
82 59.0 43.0 64.4
119 30.4 25.0 37.6



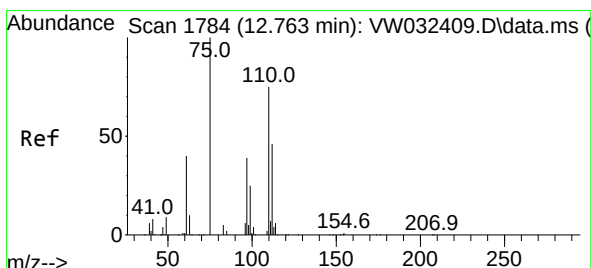
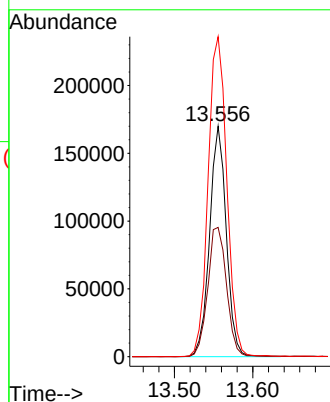
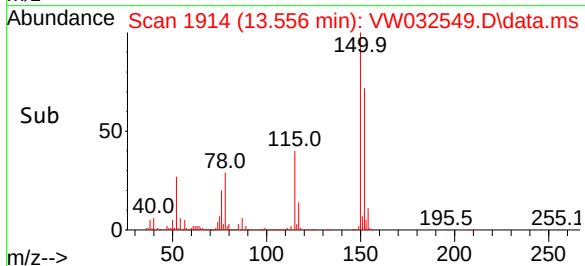


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032549.D
 Acq: 26 Nov 2025 17:11

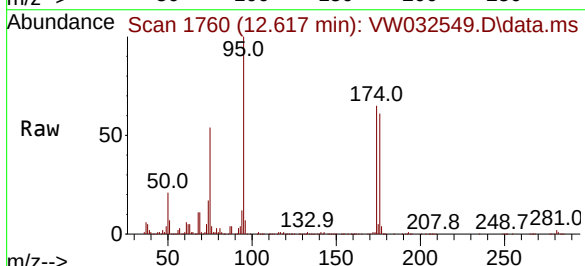
Instrument :
 MSVOA_W
 ClientSampleId :



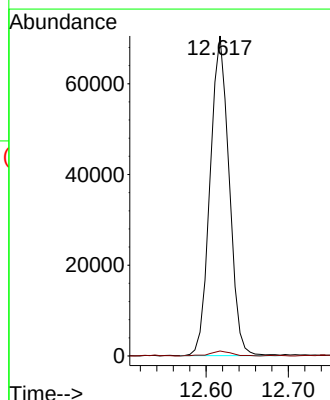
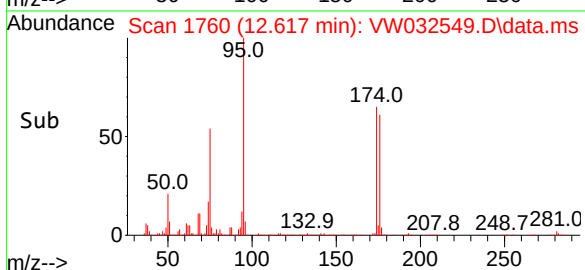
Tgt Ion:152 Resp: 252269
 Ion Ratio Lower Upper
 152 100
 115 63.1 32.8 98.3
 150 154.9 0.0 356.6

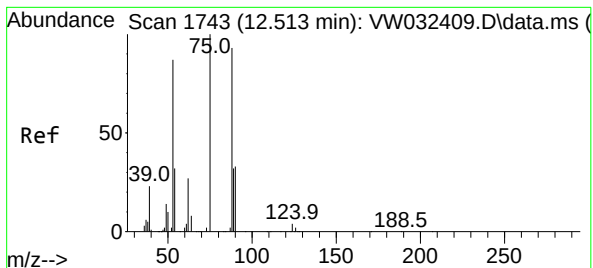


#76
 1,2,3-Trichloropropane
 Concen: 32.788 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032549.D
 Acq: 26 Nov 2025 17:11



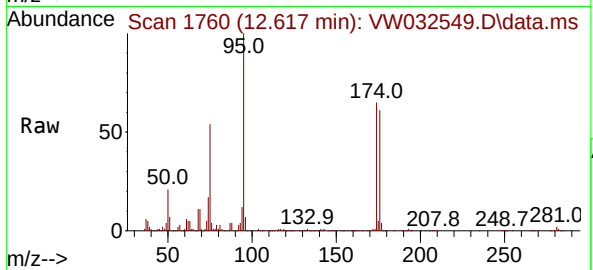
Tgt Ion: 75 Resp: 113416
 Ion Ratio Lower Upper
 75 100
 77 1.8 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.100 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032549.D
 Acq: 26 Nov 2025 17:11

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 113416
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.8 116.8#
 89 0.0 35.6 53.4#

