

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
 Data File : VW032518.D
 Acq On : 20 Nov 2025 12:37
 Operator : SY/MD
 Sample : Q3678-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 21 01:21:27 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	237513	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	564484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	618499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	309463	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	162945	53.213	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	106.420%
35) Dibromofluoromethane	7.898	113	154780	45.797	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	91.600%
50) Toluene-d8	10.325	98	581112	44.819	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.640%
62) 4-Bromofluorobenzene	12.617	95	279199	57.004	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	114.000%

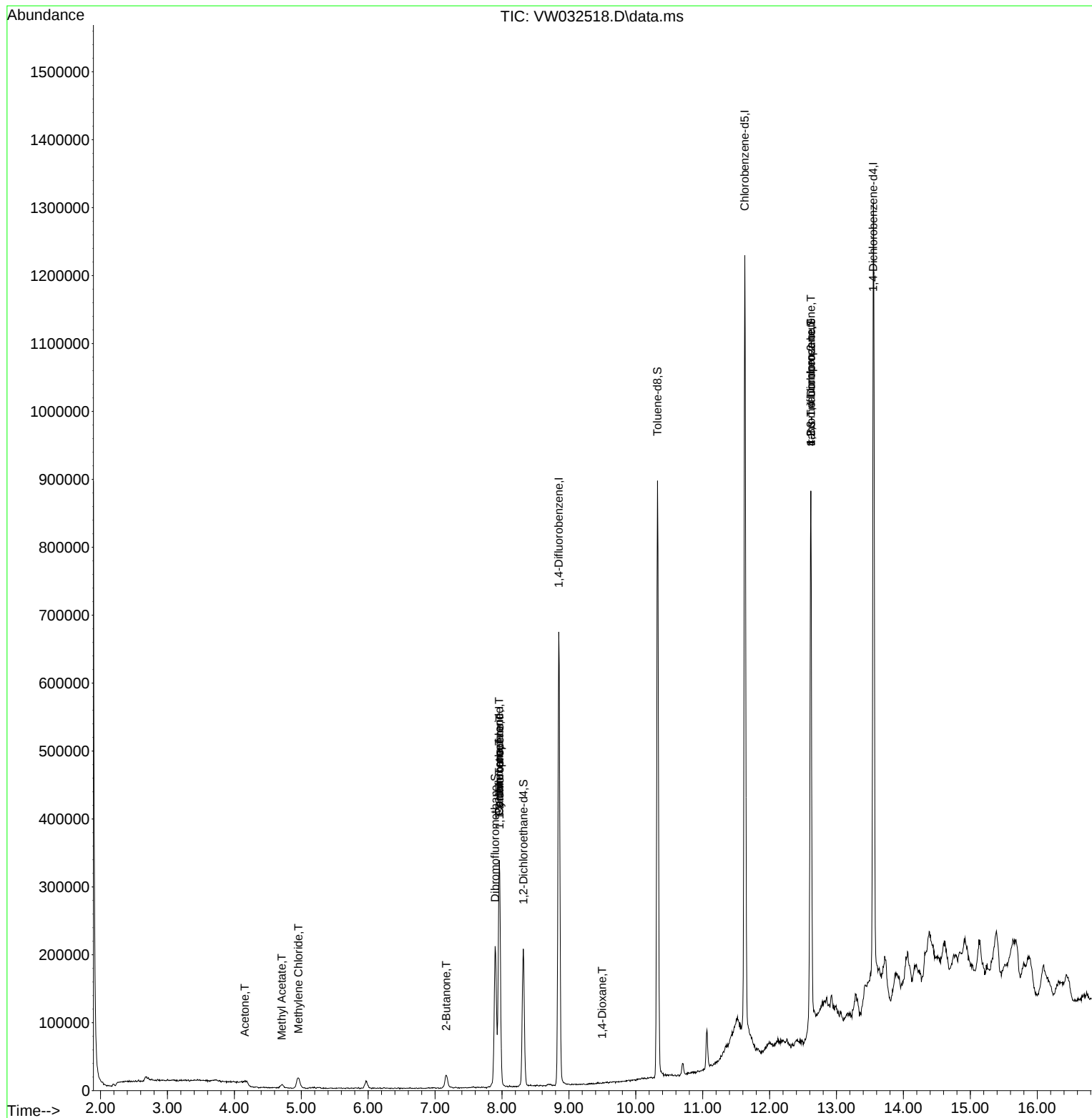
Target Compounds					Qvalue
16) Acetone	4.155	43	2631	2.872	ug/l # 89
18) Methyl Acetate	4.710	43	10682	4.709	ug/l # 75
20) Methylene Chloride	4.960	84	13788	4.209	ug/l 89
25) 2-Butanone	7.167	43	1561	1.157	ug/l # 59
31) Cyclohexane	7.959	56	6010	1.186	ug/l # 1
36) 1,1-Dichloropropene	7.965	75	21752	4.368	ug/l # 52
38) Carbon Tetrachloride	7.959	117	25997	5.876	ug/l # 16
49) 1,4-Dioxane	9.496	88	129	3.946	ug/l # 1
76) 1,2,3-Trichloropropane	12.617	75	139074	32.775	ug/l # 1
81) trans-1,4-Dichloro-2-b...	12.617	75	139074	75.070	ug/l # 12

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

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Quant Time: Nov 21 01:21:27 2025
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Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

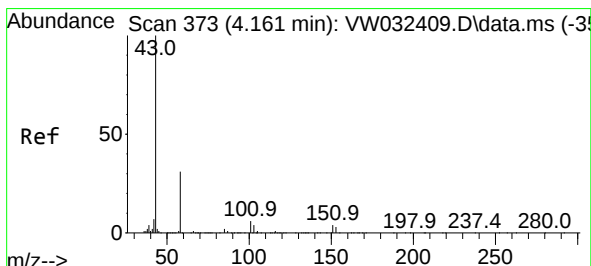
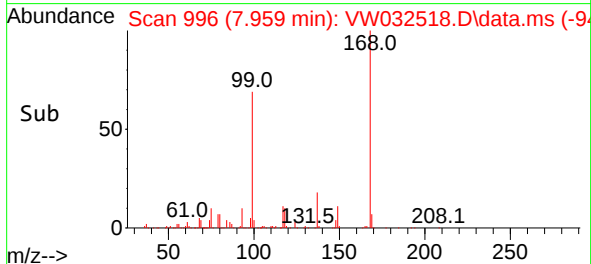
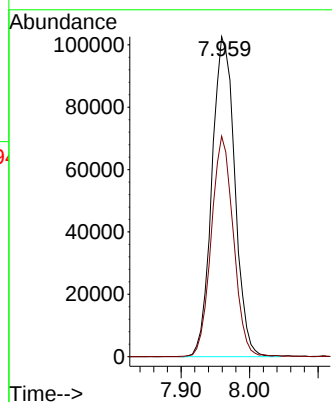
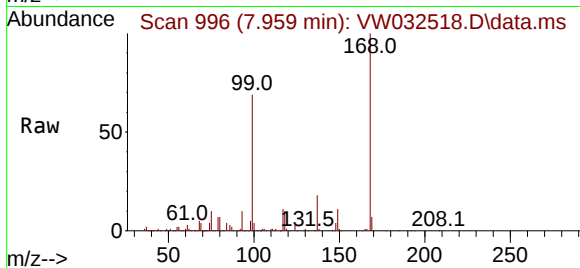




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

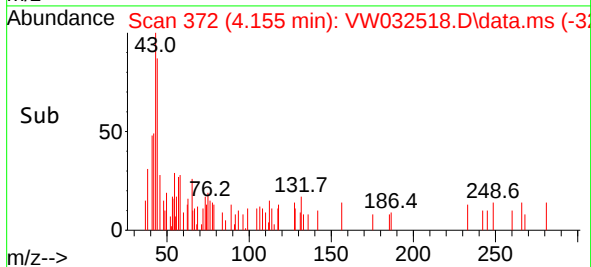
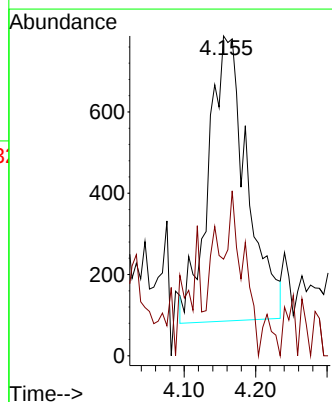
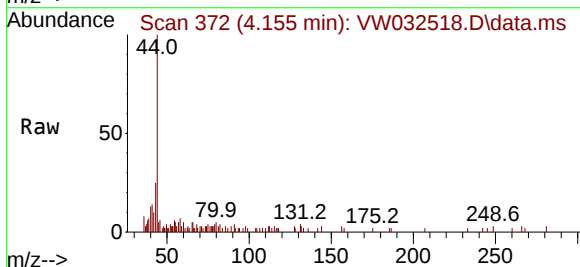
Instrument :
MSVOA_W
ClientSampleId :

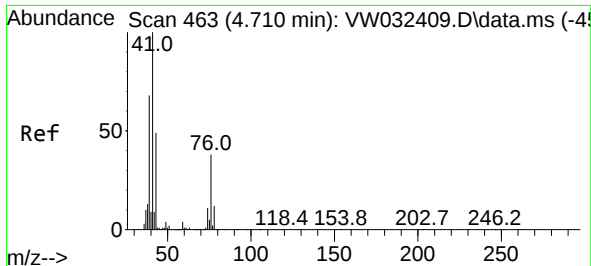
Tgt Ion:168 Resp: 237513
Ion Ratio Lower Upper
168 100
99 68.8 45.4 68.2#



#16
Acetone
Concen: 2.872 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

Tgt Ion: 43 Resp: 2631
Ion Ratio Lower Upper
43 100
58 37.2 24.8 37.2#

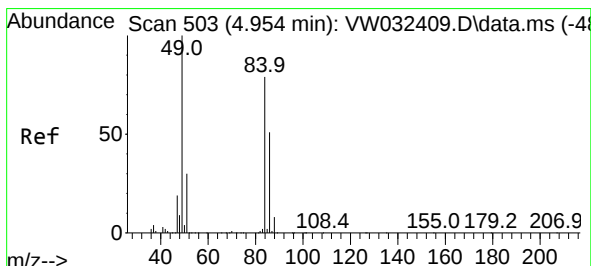
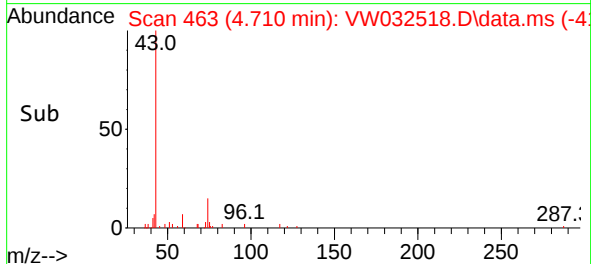
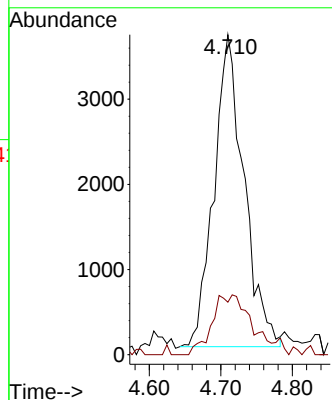
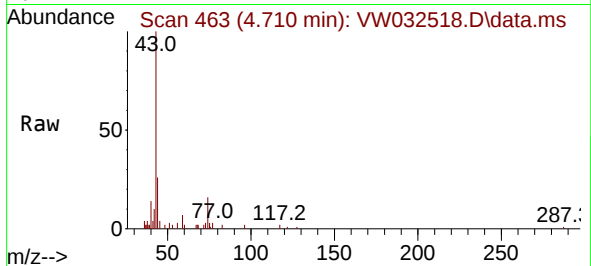




#18
Methyl Acetate
Concen: 4.709 ug/l
RT: 4.710 min Scan# 410
Delta R.T. 0.000 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

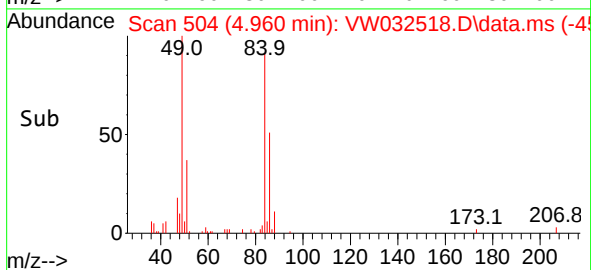
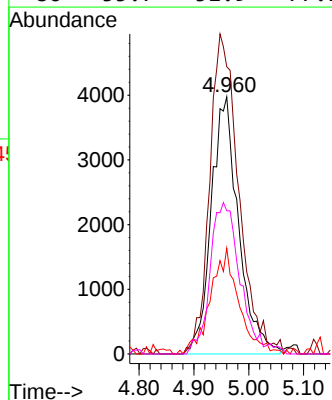
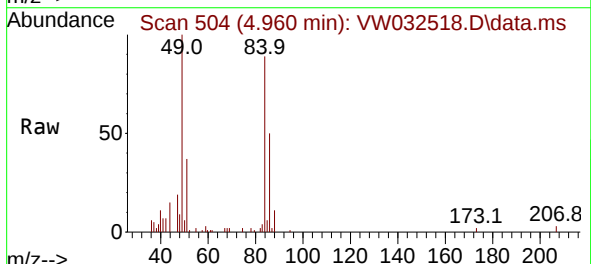
Instrument :
MSVOA_W
ClientSampleId :

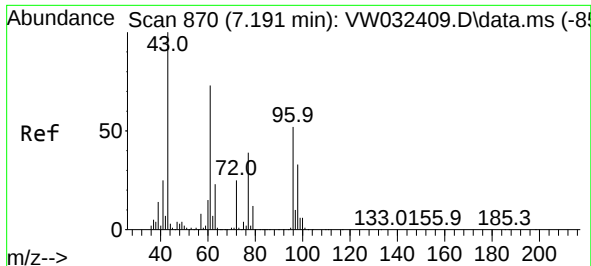
Tgt Ion: 43 Resp: 10682
Ion Ratio Lower Upper
43 100
74 11.2 18.9 28.3#



#20
Methylene Chloride
Concen: 4.209 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

Tgt Ion: 84 Resp: 13788
Ion Ratio Lower Upper
84 100
49 111.8 101.5 152.3
51 39.8 30.6 46.0
86 55.7 51.9 77.9

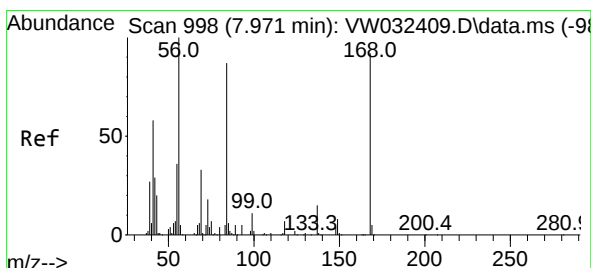
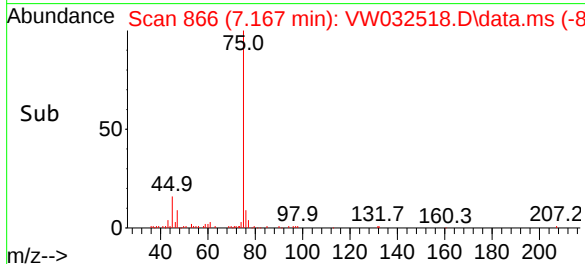
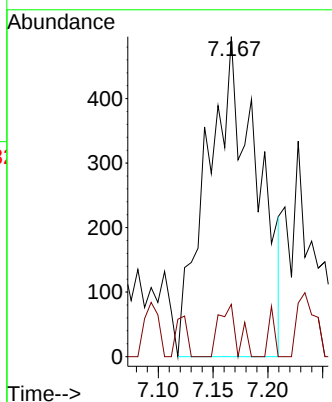
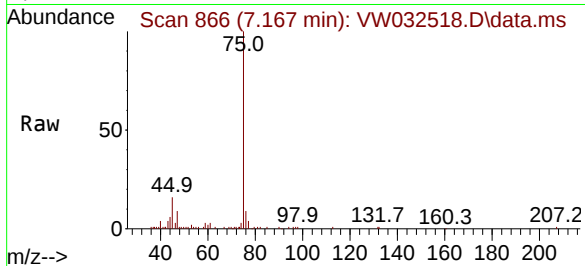




#25
2-Butanone
Concen: 1.157 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

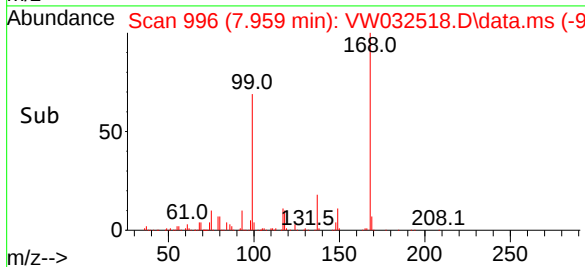
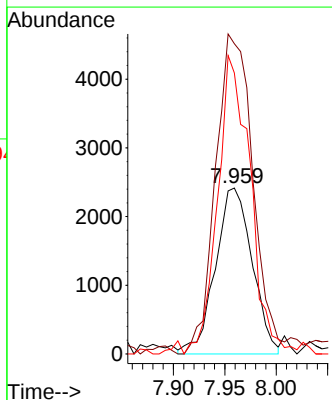
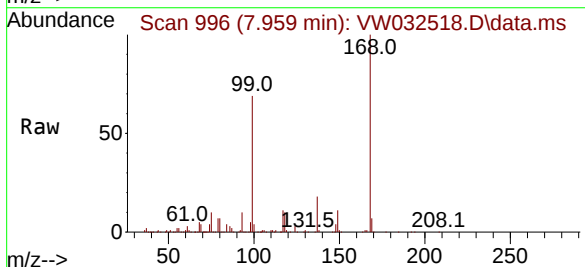
Instrument :
MSVOA_W
ClientSampleId :

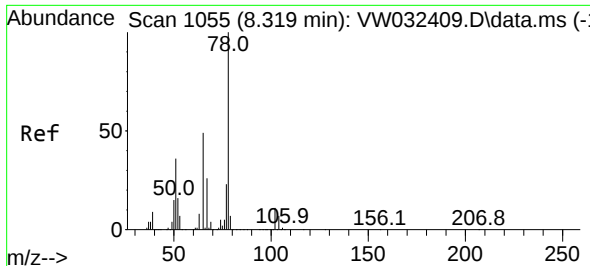
Tgt Ion: 43 Resp: 1561
Ion Ratio Lower Upper
43 100
72 4.6 20.0 30.0#



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

Tgt Ion: 56 Resp: 6010
Ion Ratio Lower Upper
56 100
69 191.4 26.5 39.7#
84 165.3 69.6 104.4#

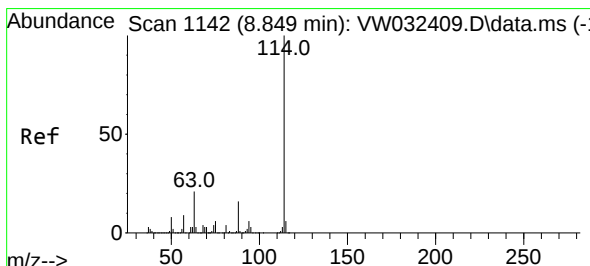
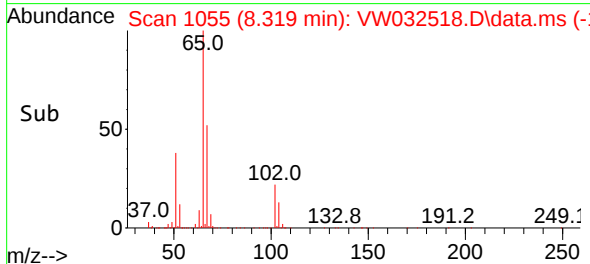
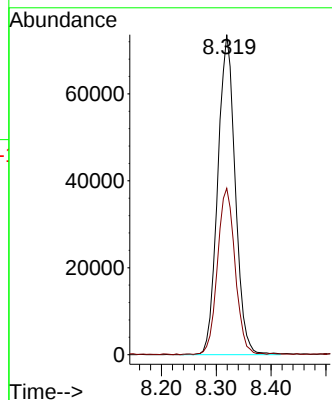
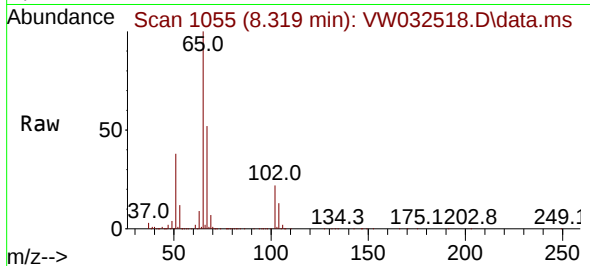




#33
 1,2-Dichloroethane-d4
 Concen: 53.213 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032518.D
 Acq: 20 Nov 2025 12:37

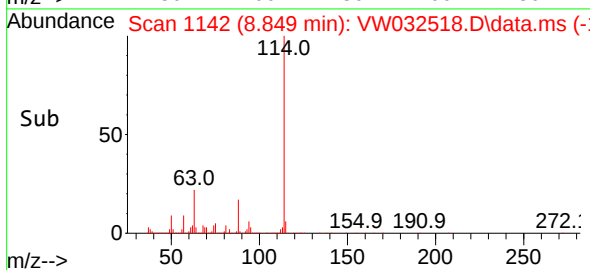
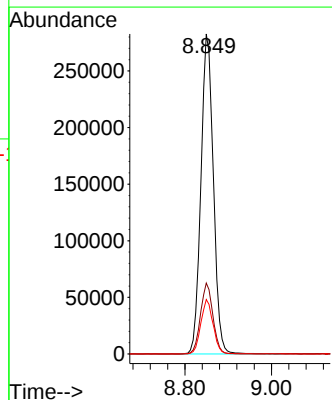
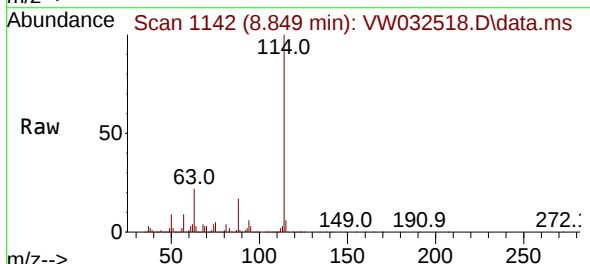
Instrument :
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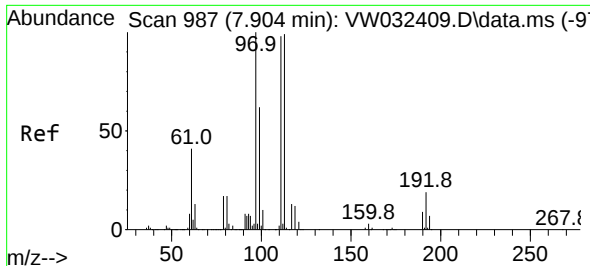
Tgt Ion: 65 Resp: 162945
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032518.D
 Acq: 20 Nov 2025 12:37

Tgt Ion: 114 Resp: 564484
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 41.8
 88 17.0 0.0 32.6

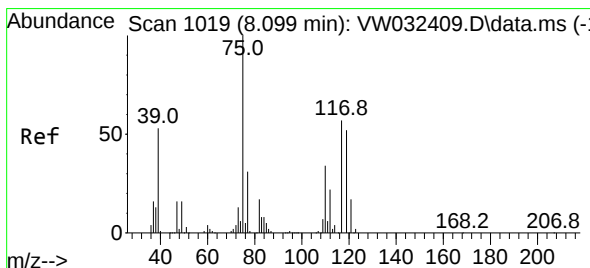
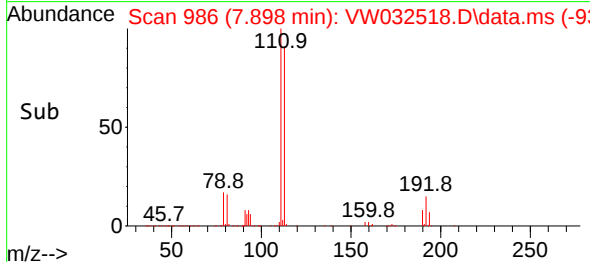
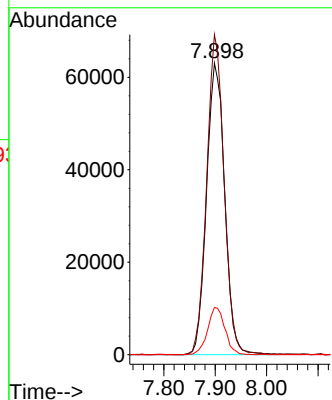
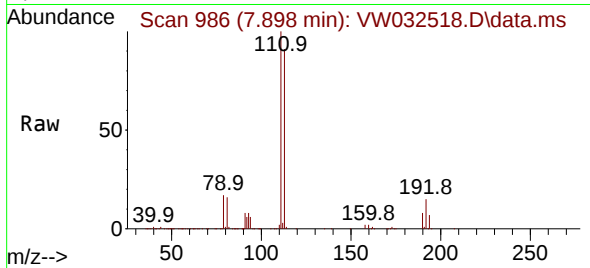




#35
Dibromofluoromethane
Concen: 45.797 ug/l
RT: 7.898 min Scan# 991
Delta R.T. -0.006 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

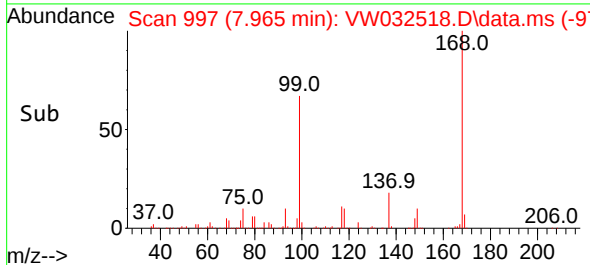
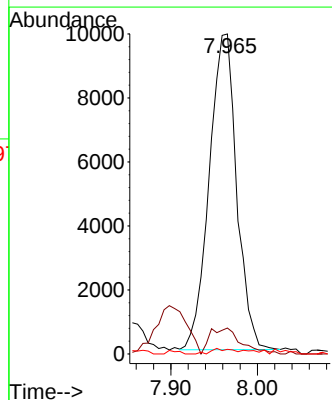
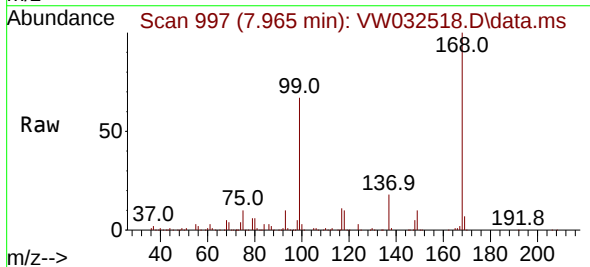
Instrument :
MSVOA_W
ClientSampleId :

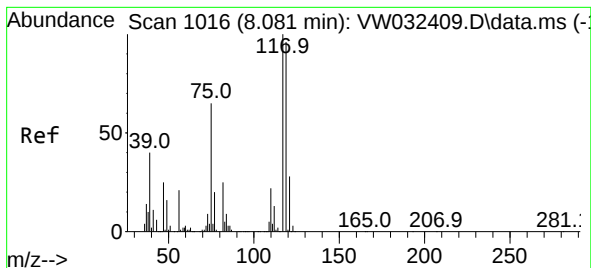
Tgt Ion:113 Resp: 154780
Ion Ratio Lower Upper
113 100
111 105.6 83.1 124.7
192 15.5 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.368 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

Tgt Ion: 75 Resp: 21752
Ion Ratio Lower Upper
75 100
110 9.2 17.2 51.5#
77 1.3 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.876 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

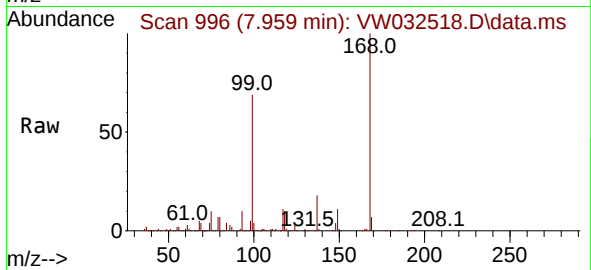
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Acq: 20 Nov 2025 12:37

Instrument :

MSVOA_W

ClientSampleId :



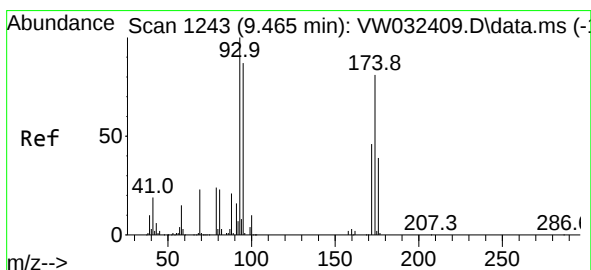
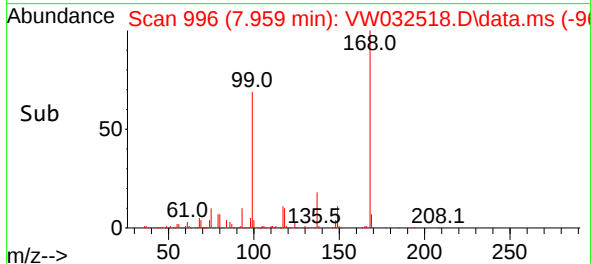
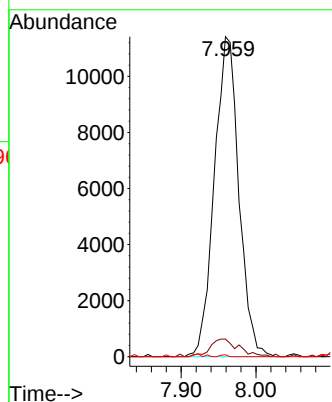
Tgt Ion: 117 Resp: 25997

Ion Ratio Lower Upper

117 100

119 5.5 77.0 115.4#

121 0.6 22.0 33.0#



#49

1,4-Dioxane

Concen: 3.946 ug/l

RT: 9.496 min Scan# 1248

Delta R.T. 0.031 min

Lab File: VW032518.D

Acq: 20 Nov 2025 12:37

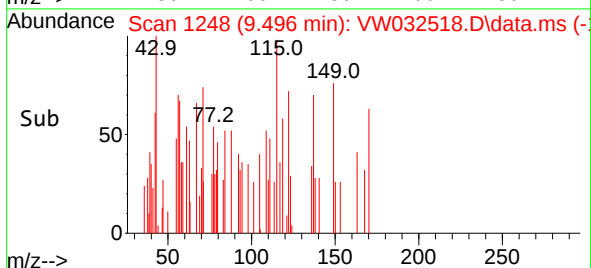
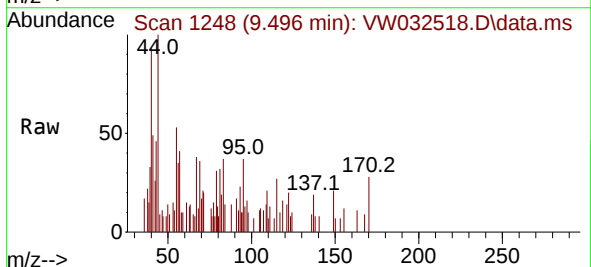
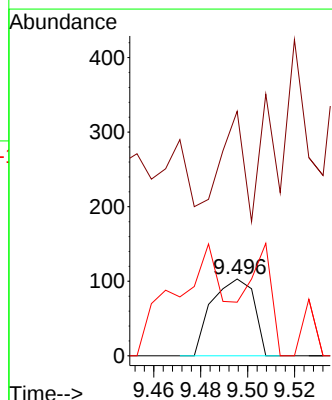
Tgt Ion: 88 Resp: 129

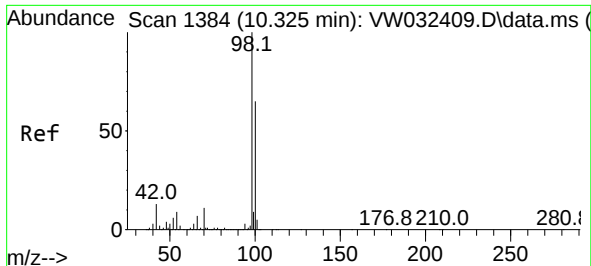
Ion Ratio Lower Upper

88 100

43 77.5 0.0 0.0#

58 177.5 63.0 94.4#

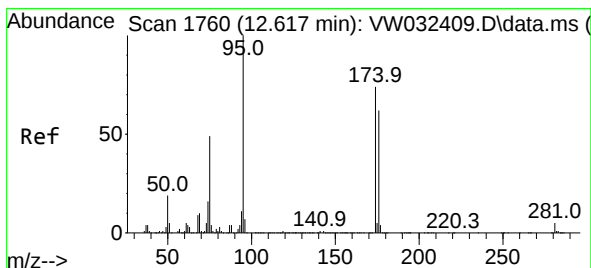
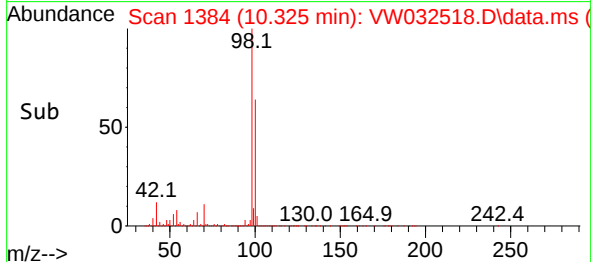
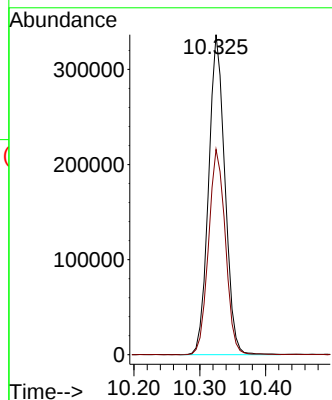
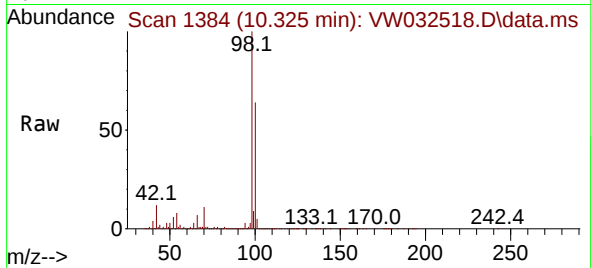




#50
Toluene-d8
Concen: 44.819 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

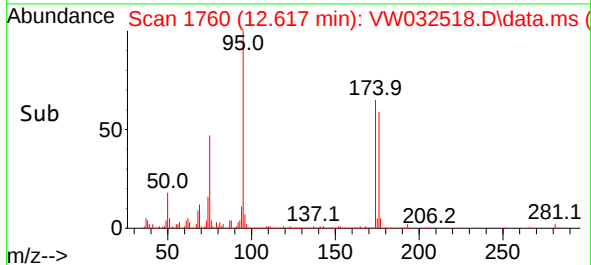
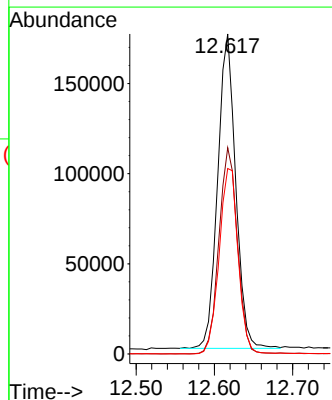
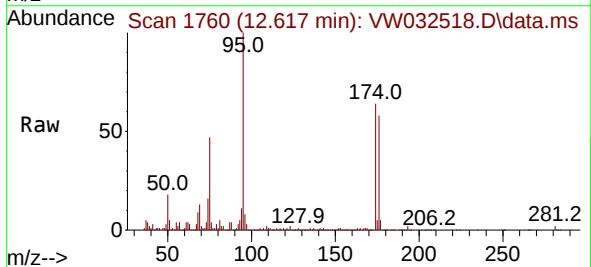
Instrument :
MSVOA_W
ClientSampleId :

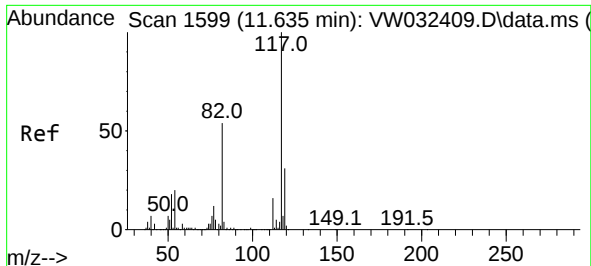
Tgt Ion: 98 Resp: 581112
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 57.004 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

Tgt Ion: 95 Resp: 279199
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.4
176 62.4 0.0 131.8

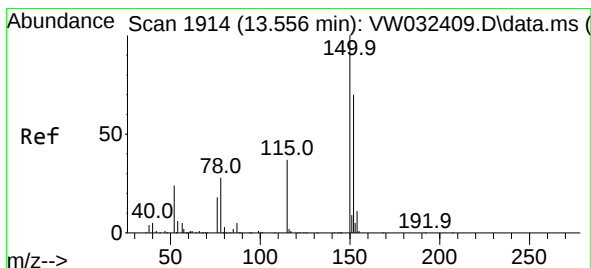
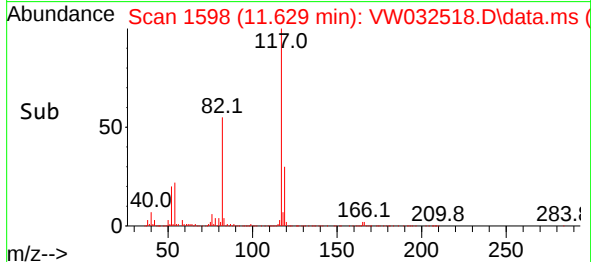
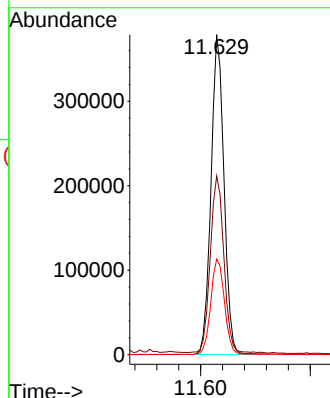
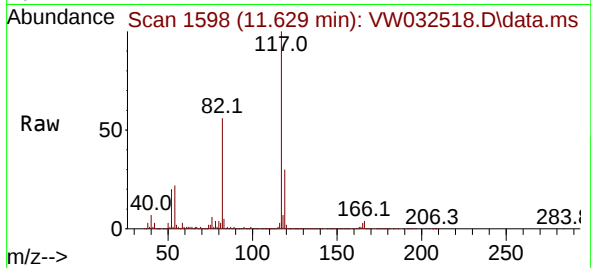




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

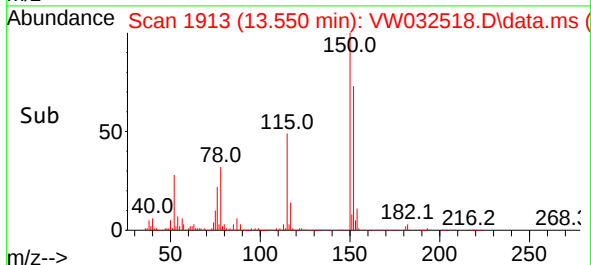
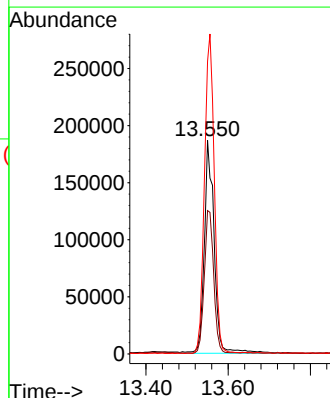
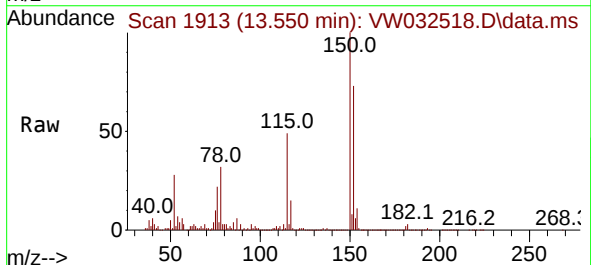
Instrument :
MSVOA_W
ClientSampleId :

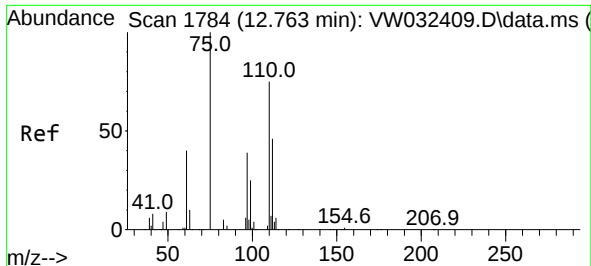
Tgt Ion:117 Resp: 618499
Ion Ratio Lower Upper
117 100
82 55.4 43.0 64.4
119 29.8 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.550 min Scan# 1913
Delta R.T. -0.006 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

Tgt Ion:152 Resp: 309463
Ion Ratio Lower Upper
152 100
115 64.4 32.8 98.3
150 149.2 0.0 356.6

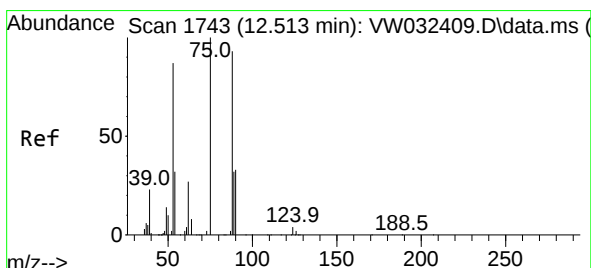
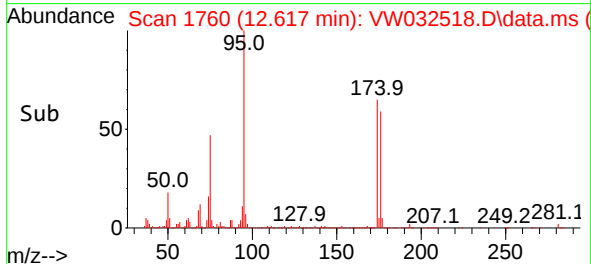
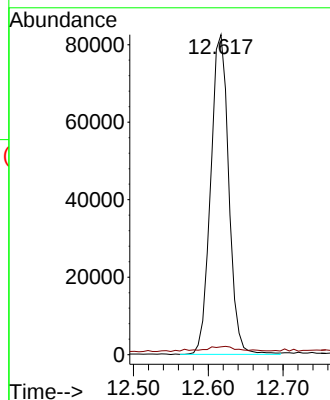
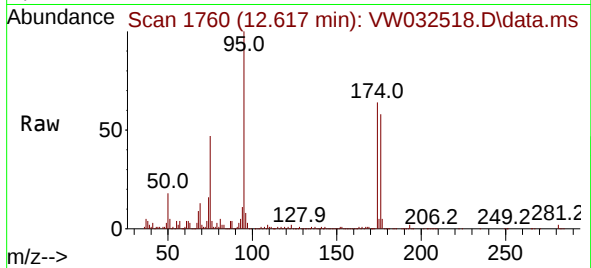




#76
1,2,3-Trichloropropane
Concen: 32.775 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 139074
Ion Ratio Lower Upper
75 100
77 1.7 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.070 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

Tgt Ion: 75 Resp: 139074
Ion Ratio Lower Upper
75 100
53 1.7 77.8 116.8#
89 0.3 35.6 53.4#

