

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032553.D
 Acq On : 26 Nov 2025 18:39
 Operator : SY/MD
 Sample : Q3723-01
 Misc : 7.56g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 00:31:48 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	185538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	457889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	487203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	190180	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	165307	69.107	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	138.220%
35) Dibromofluoromethane	7.904	113	148707	54.243	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	108.480%
50) Toluene-d8	10.325	98	469299	44.622	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.240%
62) 4-Bromofluorobenzene	12.617	95	190695	47.998	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.000%

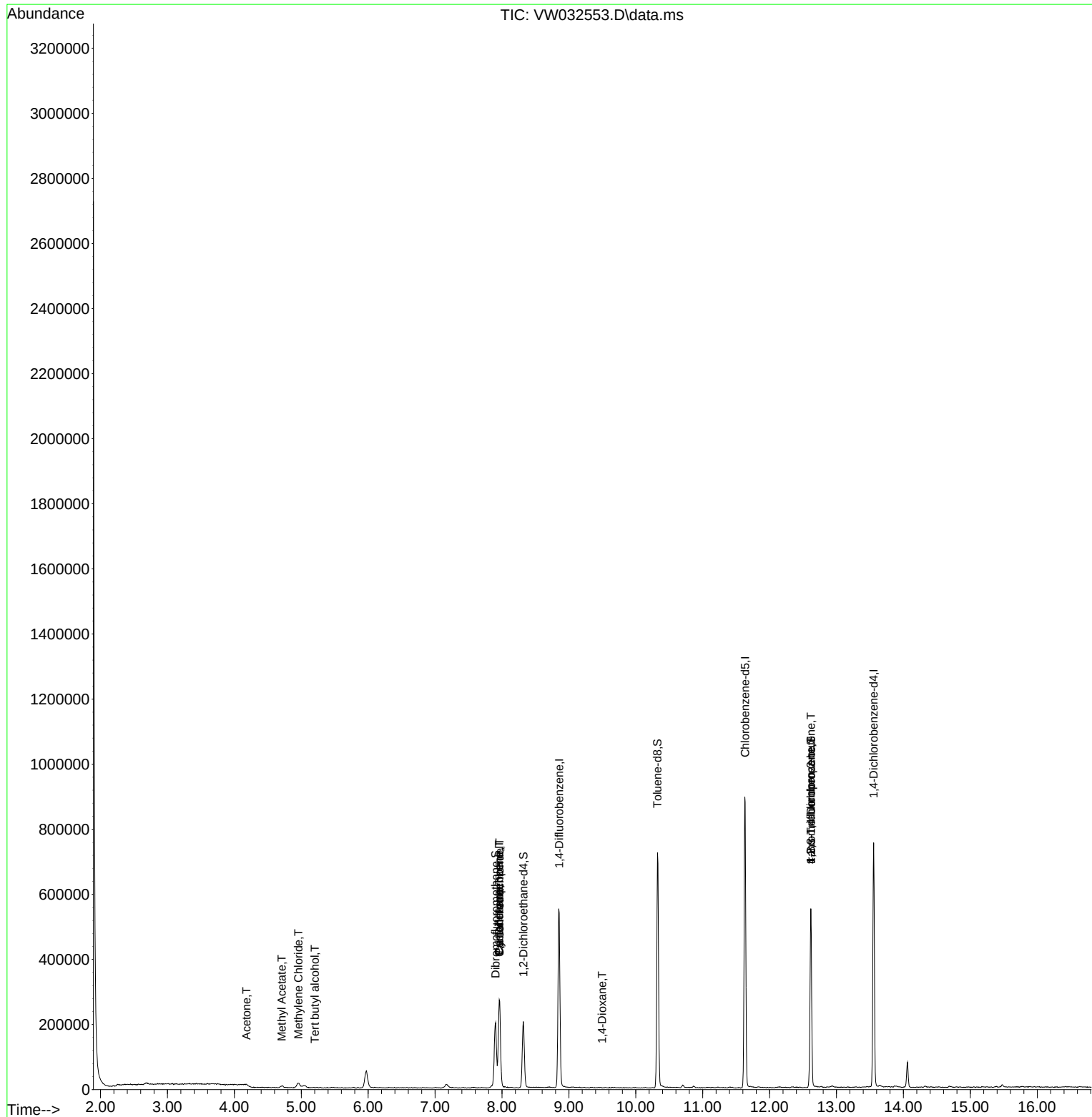
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.204	59	465	2.248	ug/l #	64
16) Acetone	4.179	43	1750	2.445	ug/l #	57
18) Methyl Acetate	4.710	43	11536	6.510	ug/l #	90
20) Methylene Chloride	4.960	84	12025	4.699	ug/l	95
31) Cyclohexane	7.959	56	5466	1.381	ug/l #	17
36) 1,1-Dichloropropene	7.959	75	18713	4.633	ug/l #	50
38) Carbon Tetrachloride	7.965	117	21111	5.882	ug/l #	16
49) 1,4-Dioxane	9.496	88	63	2.376	ug/l #	10
76) 1,2,3-Trichloropropane	12.617	75	98630	37.823	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	98630	86.631	ug/l #	11

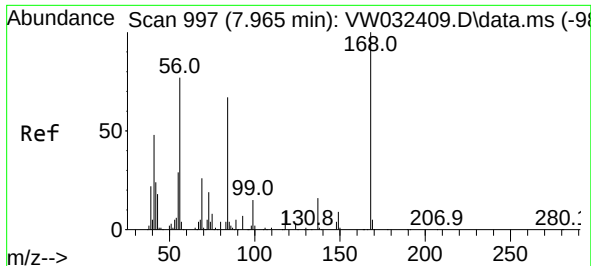
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
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Quant Time: Nov 27 00:31:48 2025
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Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
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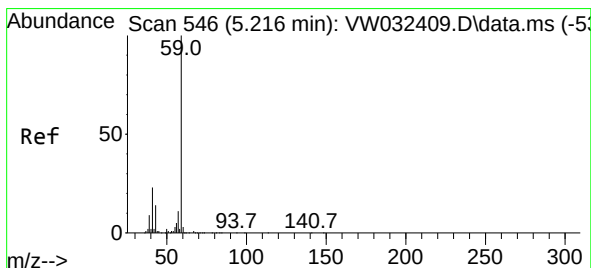
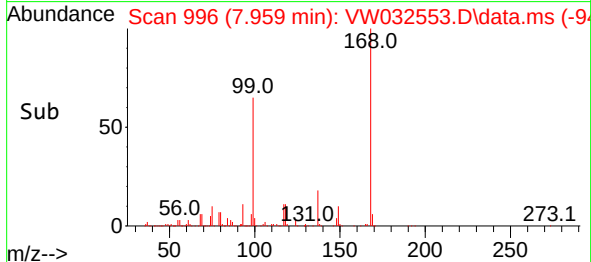
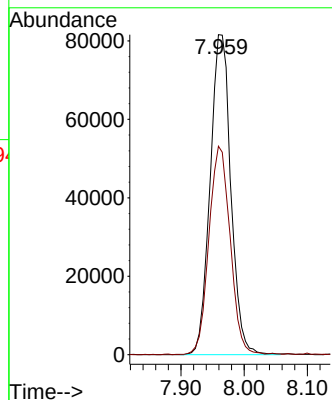
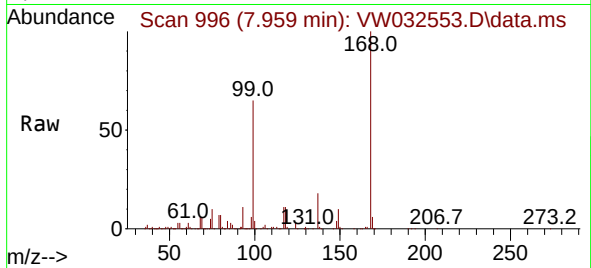




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

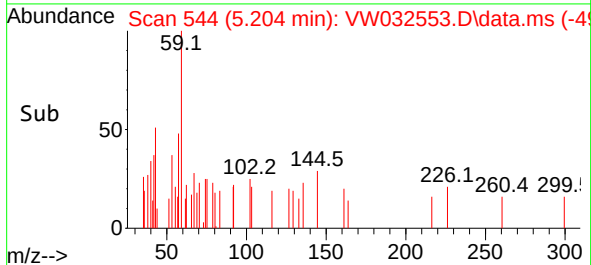
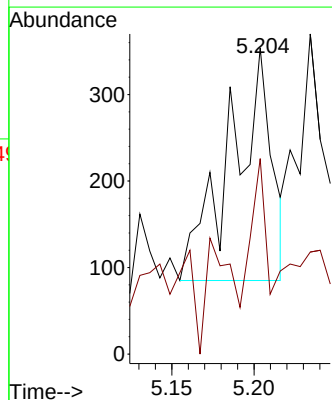
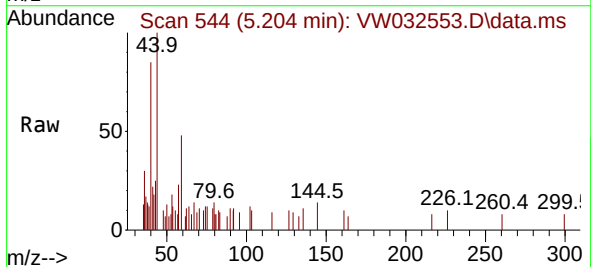
Instrument :
MSVOA_W
ClientSampleId :

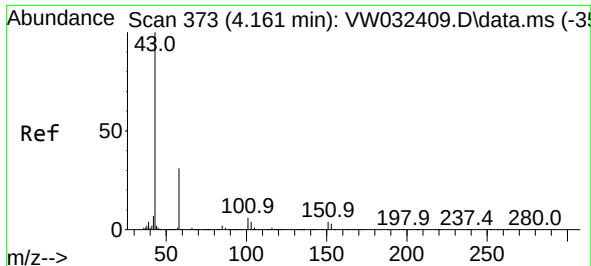
Tgt Ion:168 Resp: 185538
Ion Ratio Lower Upper
168 100
99 65.1 45.4 68.2



#11
Tert butyl alcohol
Concen: 2.248 ug/l
RT: 5.204 min Scan# 544
Delta R.T. -0.012 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

Tgt Ion: 59 Resp: 465
Ion Ratio Lower Upper
59 100
57 24.3 8.6 12.8

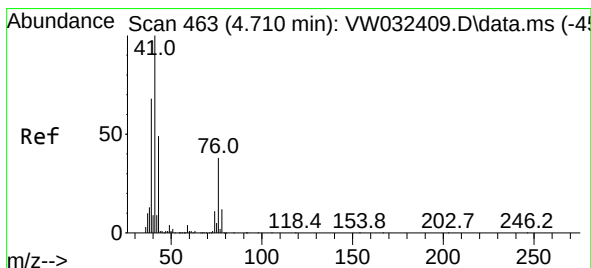
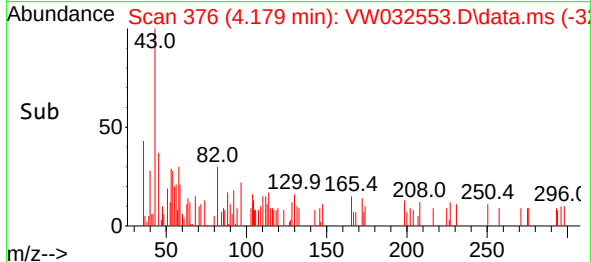
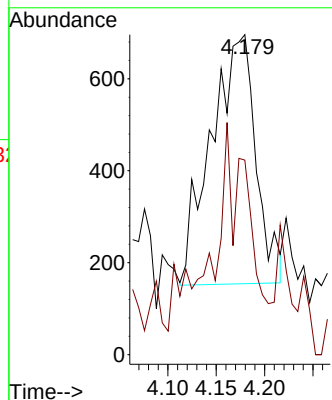
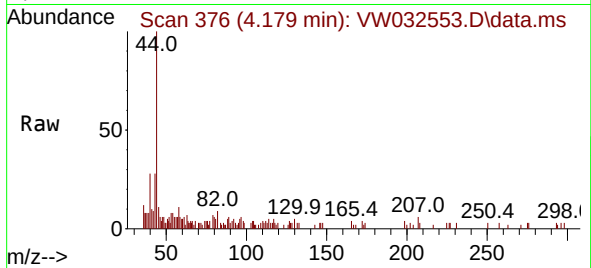




#16
Acetone
Concen: 2.445 ug/l
RT: 4.179 min Scan# 373
Delta R.T. 0.018 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

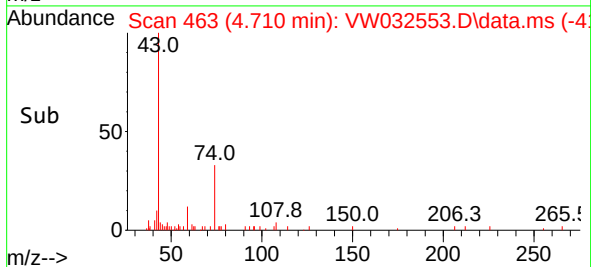
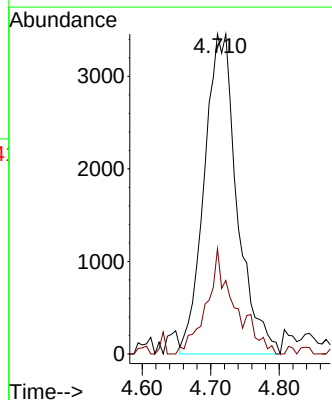
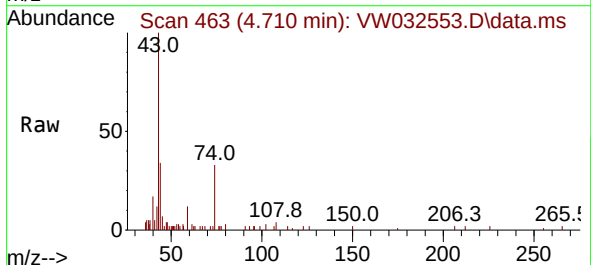
Instrument :
MSVOA_W
ClientSampleId :

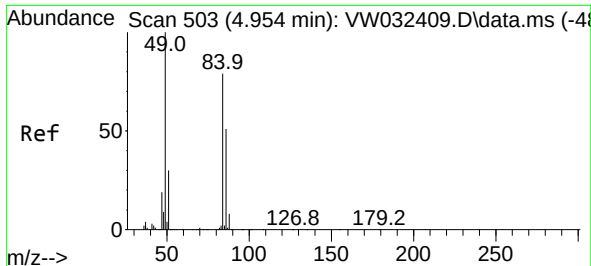
Tgt Ion: 43 Resp: 1750
Ion Ratio Lower Upper
43 100
58 54.8 24.8 37.2#



#18
Methyl Acetate
Concen: 6.510 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

Tgt Ion: 43 Resp: 11536
Ion Ratio Lower Upper
43 100
74 28.4 18.9 28.3#

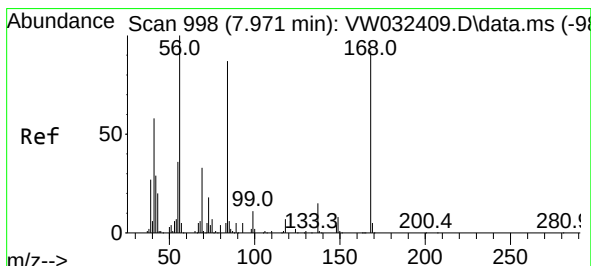
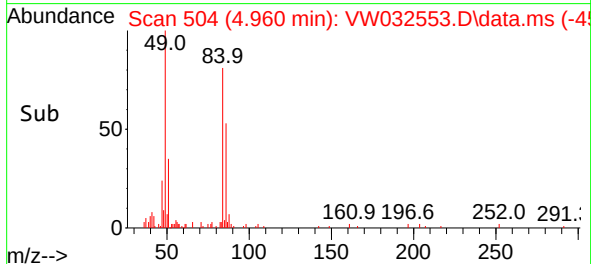
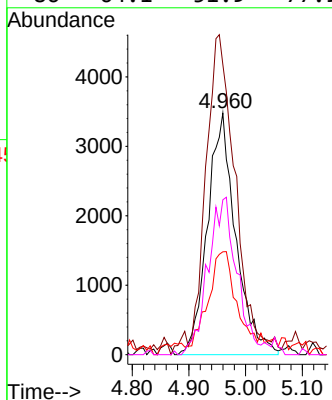
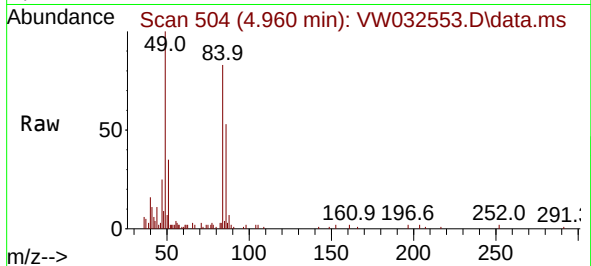




#20
Methylene Chloride
Concen: 4.699 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

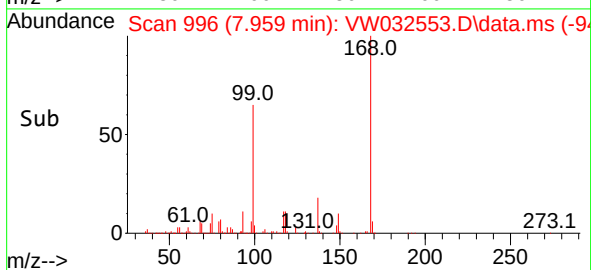
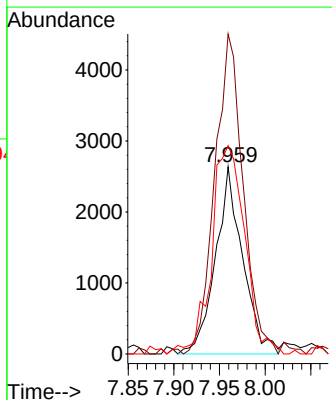
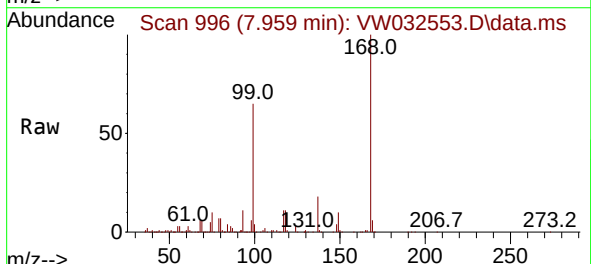
Instrument :
MSVOA_W
ClientSampleId :

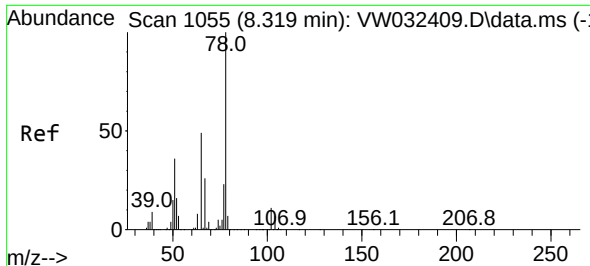
Tgt Ion:	84	Resp:	12025
Ion	Ratio	Lower	Upper
84	100		
49	117.0	101.5	152.3
51	39.2	30.6	46.0
86	64.1	51.9	77.9



#31
Cyclohexane
Concen: 1.381 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

Tgt Ion:	56	Resp:	5466
Ion	Ratio	Lower	Upper
56	100		
69	170.9	26.5	39.7#
84	107.7	69.6	104.4#





#33

1,2-Dichloroethane-d4

Concen: 69.107 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032553.D

Acq: 26 Nov 2025 18:39

Instrument :

MSVOA_W

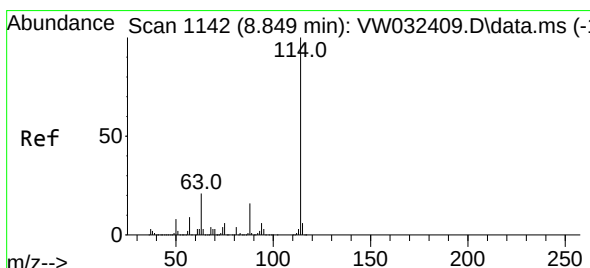
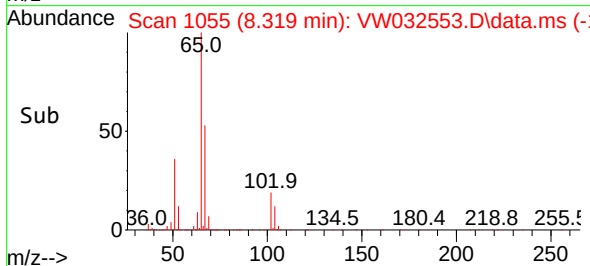
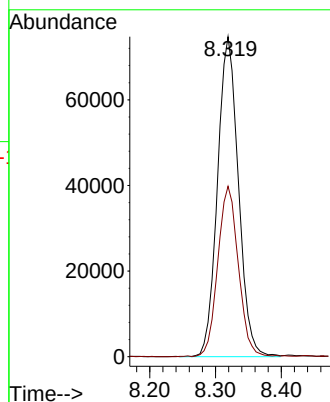
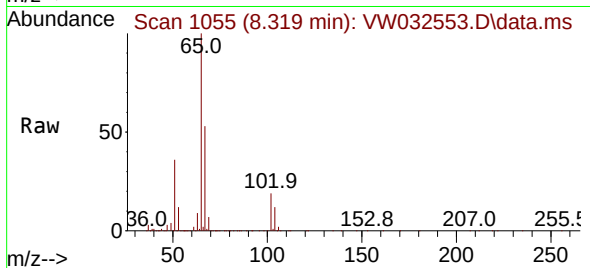
ClientSampleId :

Tgt Ion: 65 Resp: 165307

Ion Ratio Lower Upper

65 100

67 52.6 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: VW032553.D

Acq: 26 Nov 2025 18:39

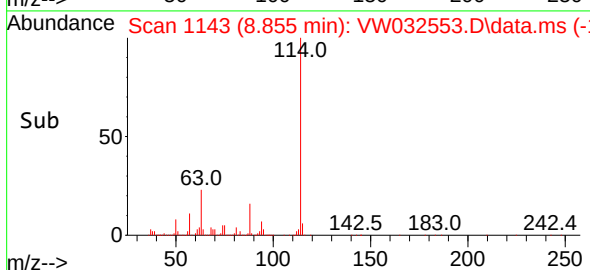
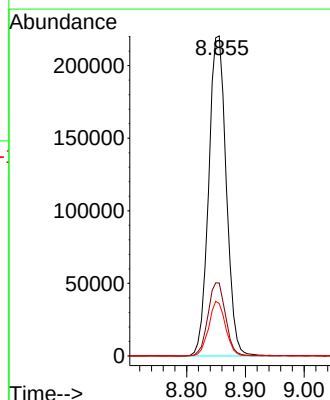
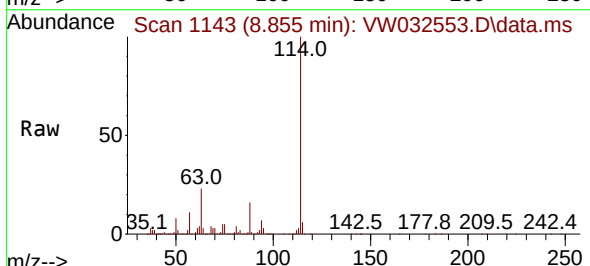
Tgt Ion: 114 Resp: 457889

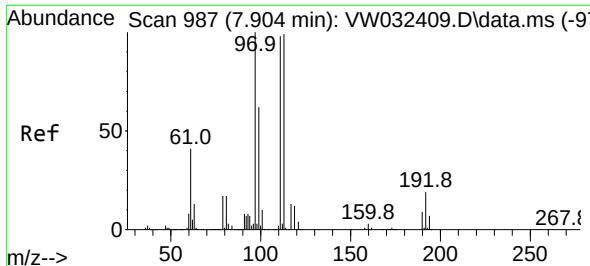
Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 16.4 0.0 32.6

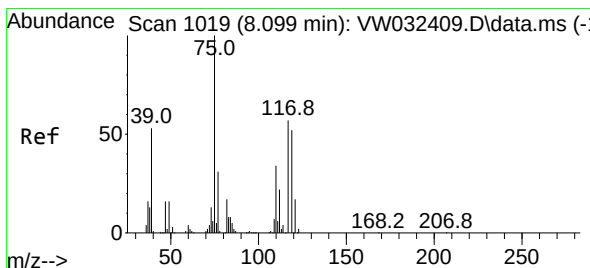
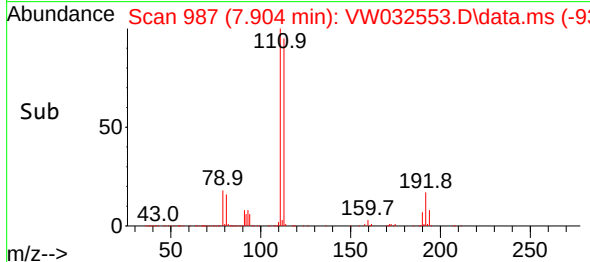
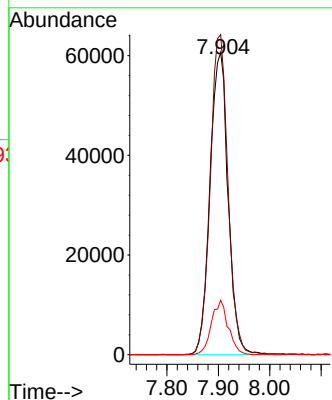
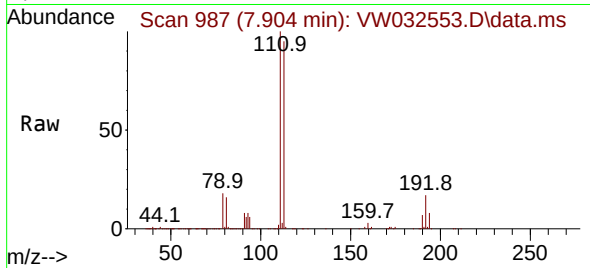




#35
Dibromofluoromethane
Concen: 54.243 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

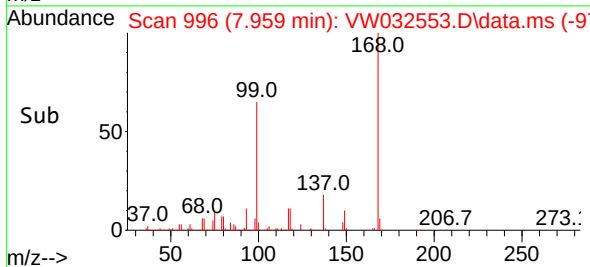
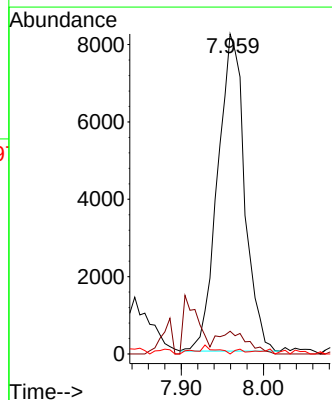
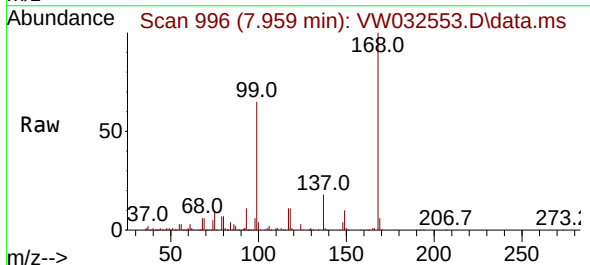
Instrument :
MSVOA_W
ClientSampleId :

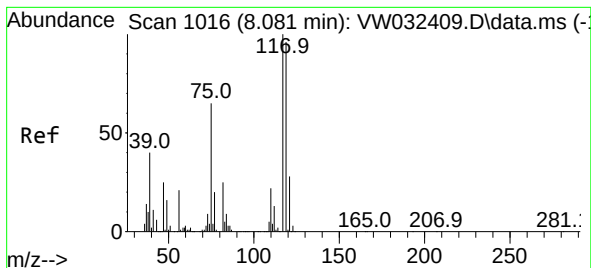
Tgt Ion:113 Resp: 148707
Ion Ratio Lower Upper
113 100
111 103.5 83.1 124.7
192 16.7 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.633 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

Tgt Ion: 75 Resp: 18713
Ion Ratio Lower Upper
75 100
110 8.0 17.2 51.5#
77 0.6 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.882 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

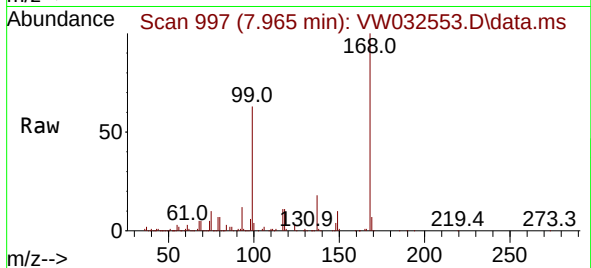
Lab File: VW032553.D

Acq: 26 Nov 2025 18:39

Instrument :

MSVOA_W

ClientSampleId :



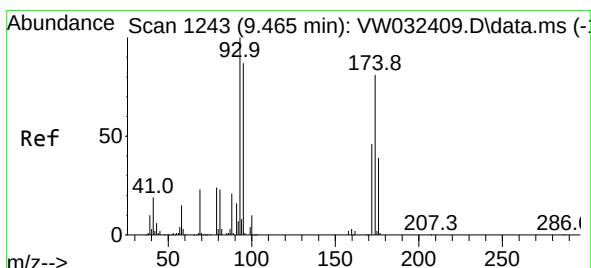
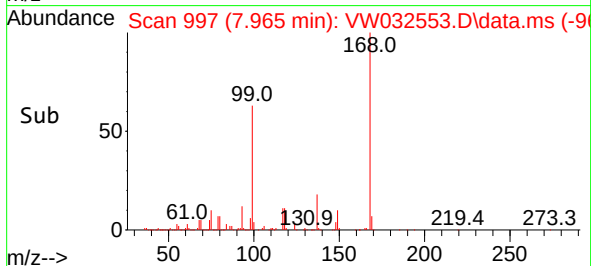
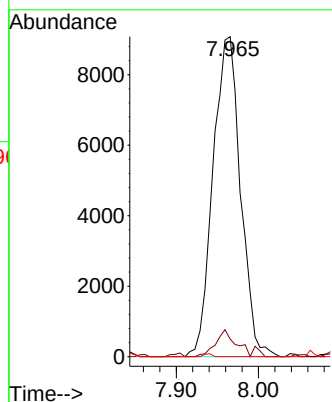
Tgt Ion:117 Resp: 21111

Ion Ratio Lower Upper

117 100

119 5.5 77.0 115.4#

121 0.0 22.0 33.0#



#49

1,4-Dioxane

Concen: 2.376 ug/l

RT: 9.496 min Scan# 1248

Delta R.T. 0.031 min

Lab File: VW032553.D

Acq: 26 Nov 2025 18:39

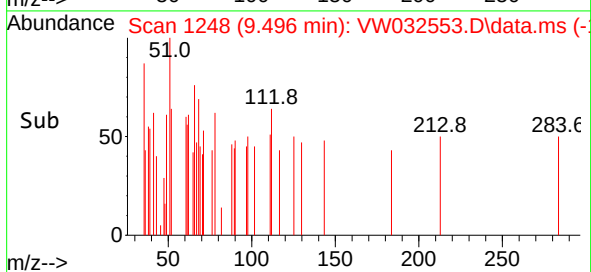
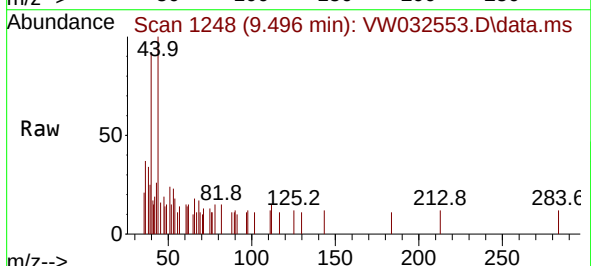
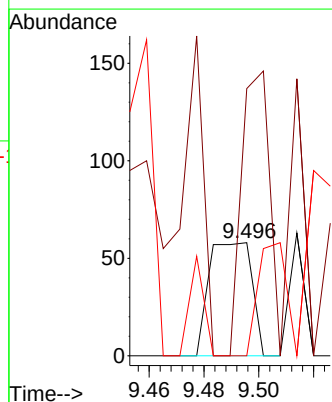
Tgt Ion: 88 Resp: 63

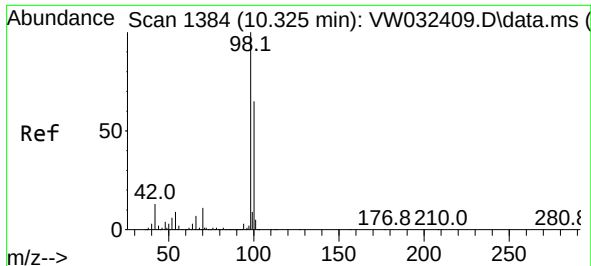
Ion Ratio Lower Upper

88 100

43 163.5 0.0 0.0#

58 0.0 63.0 94.4#

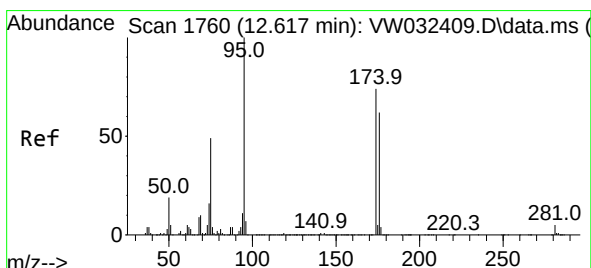
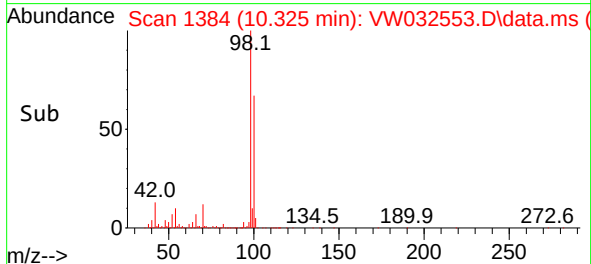
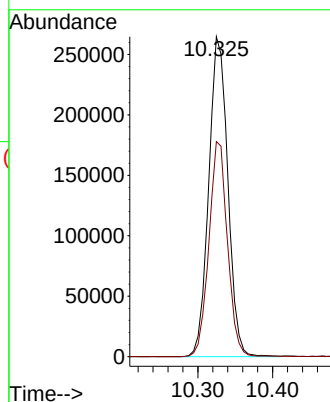
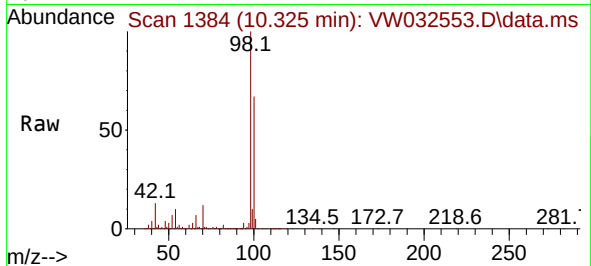




#50
Toluene-d8
Concen: 44.622 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

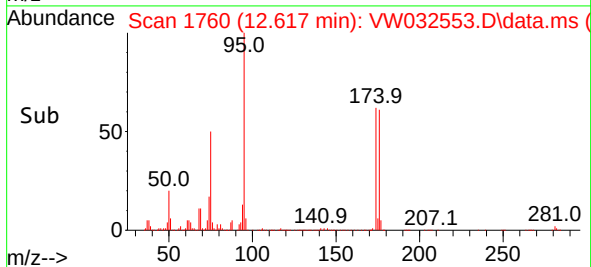
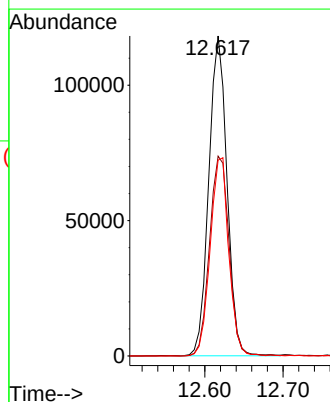
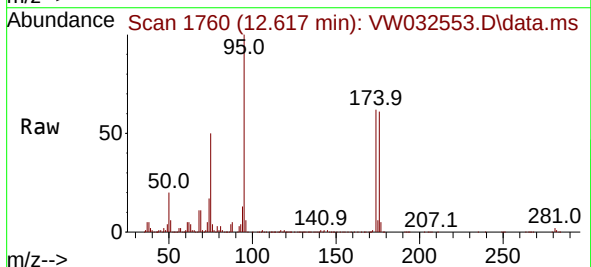
Instrument :
MSVOA_W
ClientSampleId :

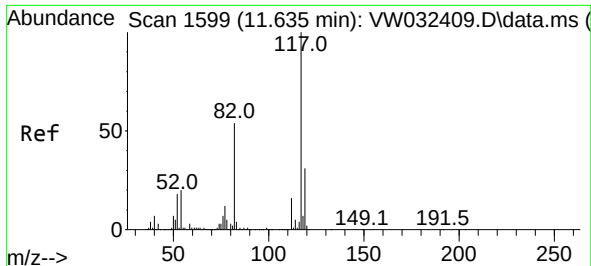
Tgt Ion: 98 Resp: 469299
Ion Ratio Lower Upper
98 100
100 65.4 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 47.998 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

Tgt Ion: 95 Resp: 190695
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.4
176 63.2 0.0 131.8

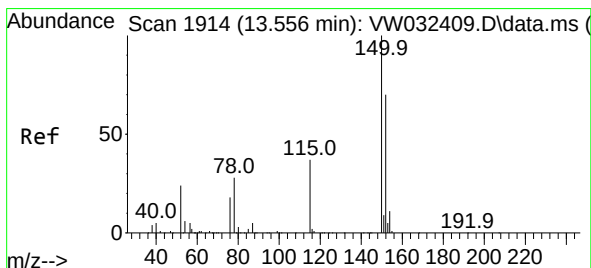
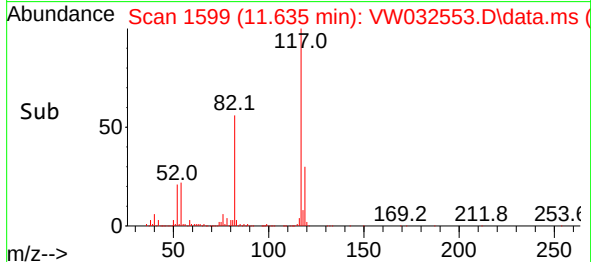
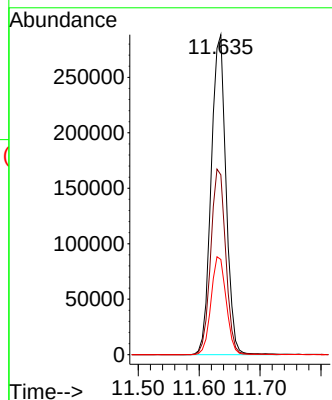
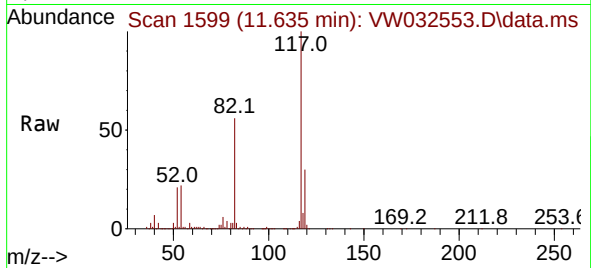




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

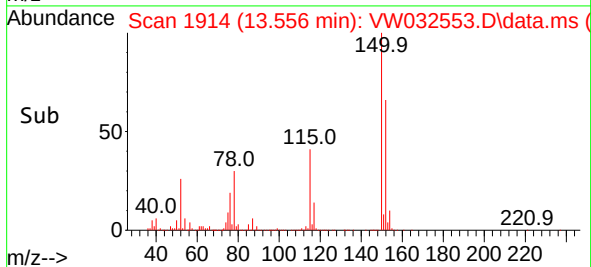
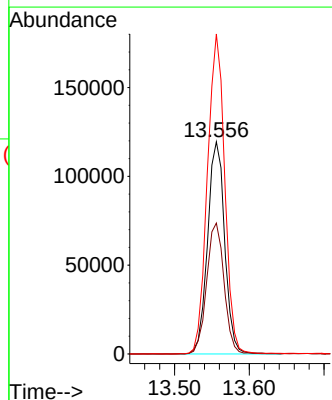
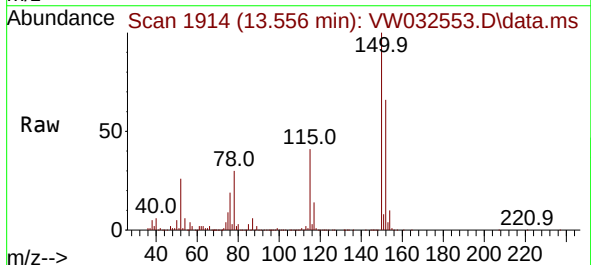
Instrument :
MSVOA_W
ClientSampleId :

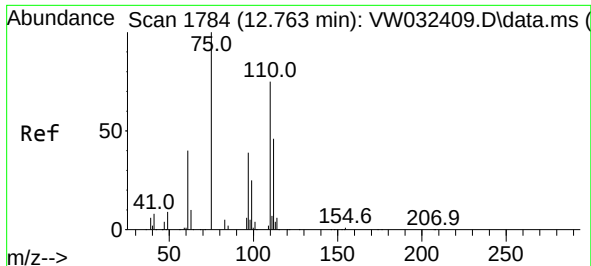
Tgt Ion:117 Resp: 487203
Ion Ratio Lower Upper
117 100
82 56.2 43.0 64.4
119 29.7 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

Tgt Ion:152 Resp: 190180
Ion Ratio Lower Upper
152 100
115 63.0 32.8 98.3
150 152.9 0.0 356.6

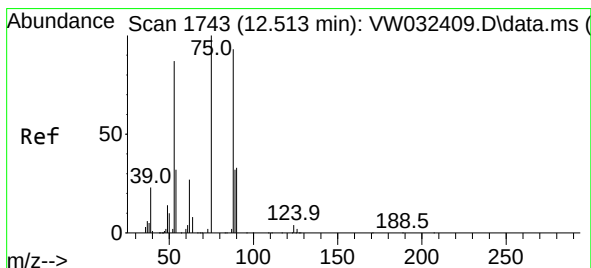
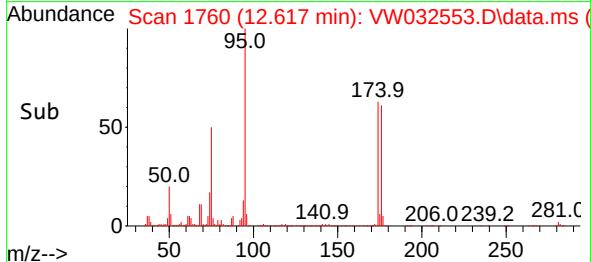
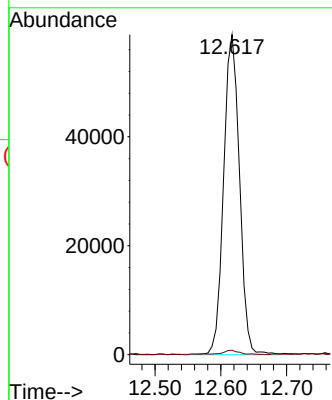
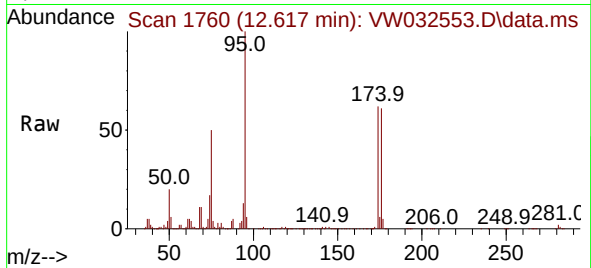




#76
1,2,3-Trichloropropane
Concen: 37.823 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 98630
Ion Ratio Lower Upper
75 100
77 1.7 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.631 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

Tgt Ion: 75 Resp: 98630
Ion Ratio Lower Upper
75 100
53 0.5 77.8 116.8#
89 0.1 35.6 53.4#

