

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032472.D
 Acq On : 18 Nov 2025 11:50
 Operator : SY/MD
 Sample : Q3658-01
 Misc : 5.03g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NB-07-111725

Quant Time: Nov 19 00:26:14 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)

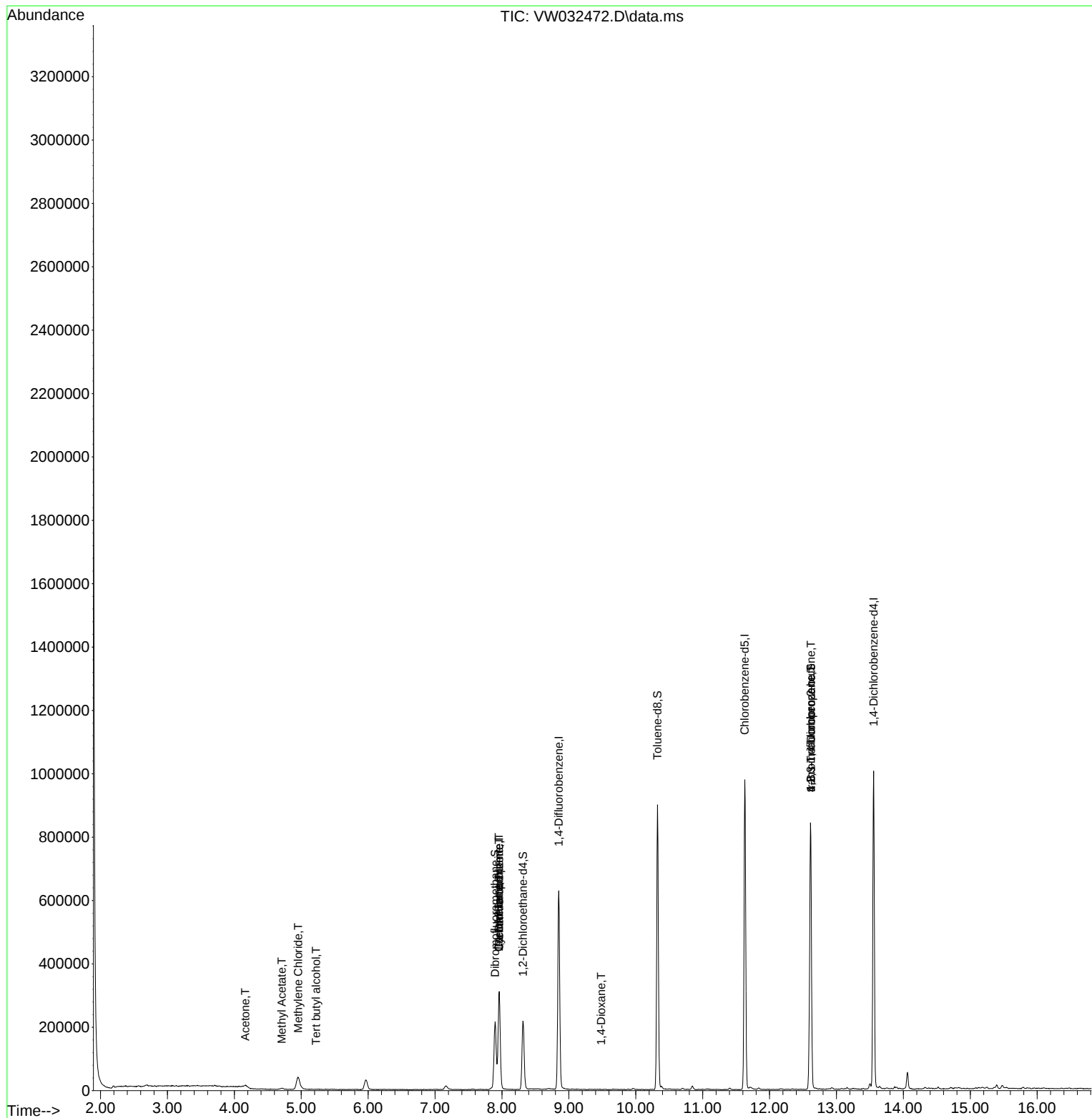
Internal Standards						
1) Pentafluorobenzene	7.959	168	214659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	522669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	527381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	259120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	173640	62.743	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 125.480%			
35) Dibromofluoromethane	7.898	113	160467	51.278	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 102.560%			
50) Toluene-d8	10.325	98	573254	47.750	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.500%			
62) 4-Bromofluorobenzene	12.617	95	248680	54.835	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 109.660%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.222	59	325	1.358	ug/l #	1
16) Acetone	4.161	43	6348	7.667	ug/l #	73
18) Methyl Acetate	4.710	43	7938	3.872	ug/l	90
20) Methylene Chloride	4.954	84	33294	11.244	ug/l	95
31) Cyclohexane	7.953	56	5715	1.248	ug/l #	1
36) 1,1-Dichloropropene	7.953	75	20396	4.424	ug/l #	49
38) Carbon Tetrachloride	7.953	117	23209	5.665	ug/l #	16
49) 1,4-Dioxane	9.483	88	51	1.685	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	126013	35.467	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	126013	81.235	ug/l #	11

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

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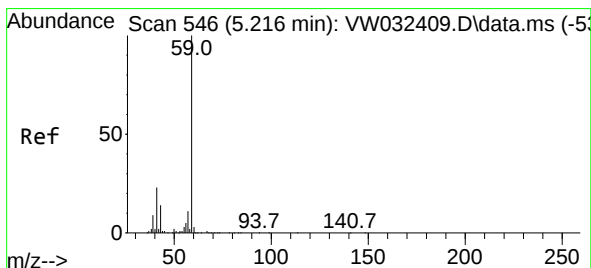
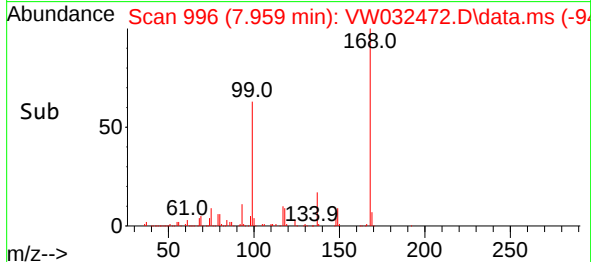
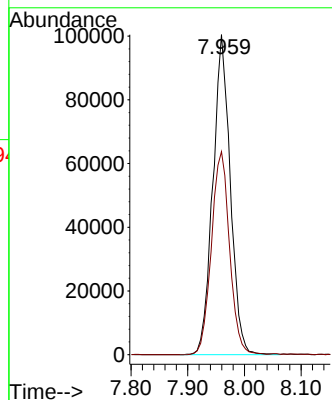
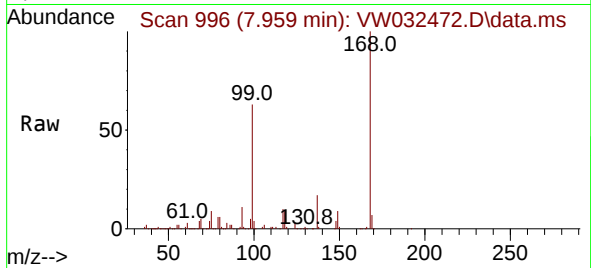




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

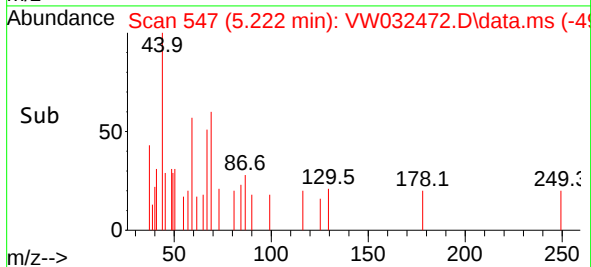
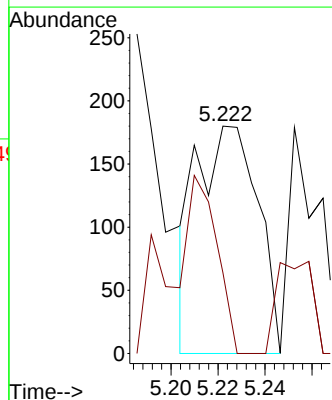
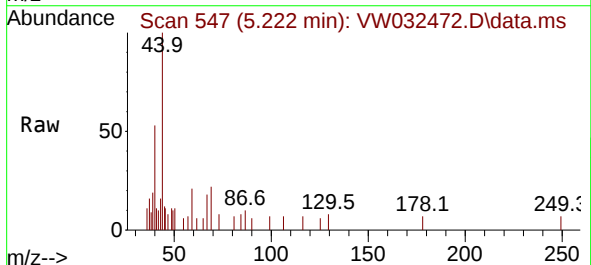
Instrument :
MSVOA_W
ClientSampleId :
NB-07-111725

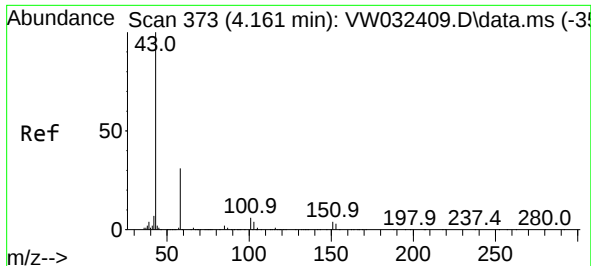
Tgt Ion:168 Resp: 214659
Ion Ratio Lower Upper
168 100
99 63.5 45.4 68.2



#11
Tert butyl alcohol
Concen: 1.358 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.006 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

Tgt Ion: 59 Resp: 325
Ion Ratio Lower Upper
59 100
57 59.1 8.6 12.8#

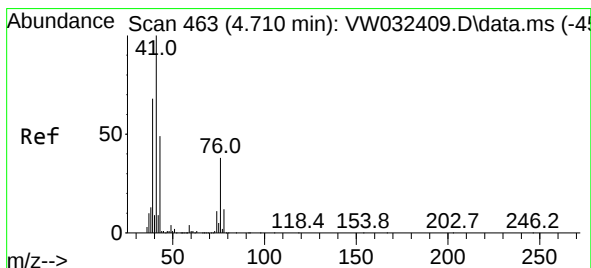
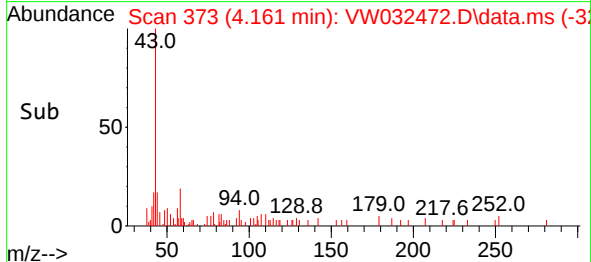
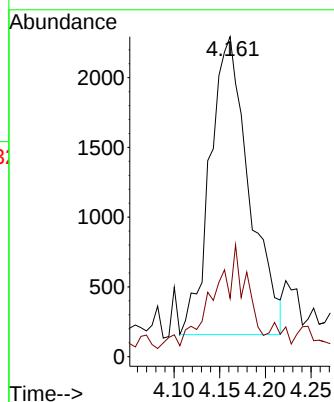
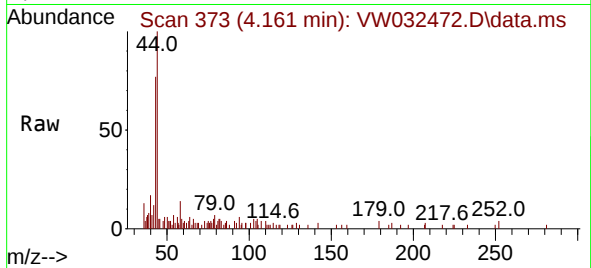




#16
Acetone
Concen: 7.667 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

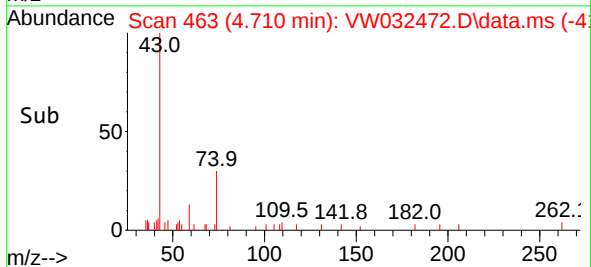
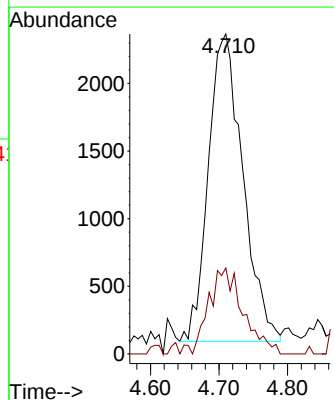
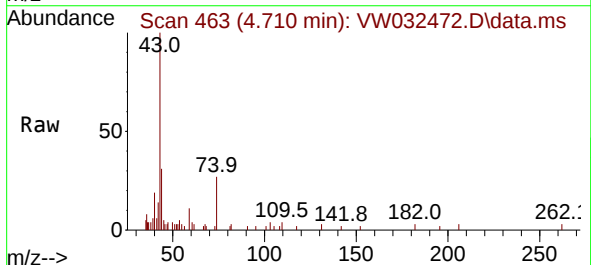
Instrument :
MSVOA_W
ClientSampleId :
NB-07-111725

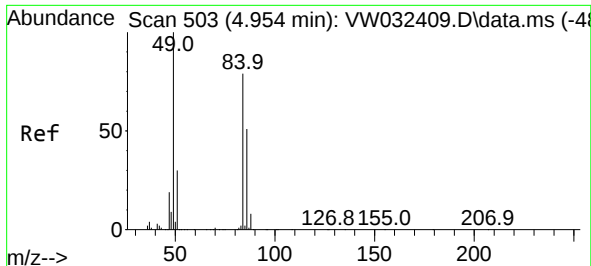
Tgt Ion: 43 Resp: 6348
Ion Ratio Lower Upper
43 100
58 15.9 24.8 37.2#



#18
Methyl Acetate
Concen: 3.872 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

Tgt Ion: 43 Resp: 7938
Ion Ratio Lower Upper
43 100
74 28.3 18.9 28.3

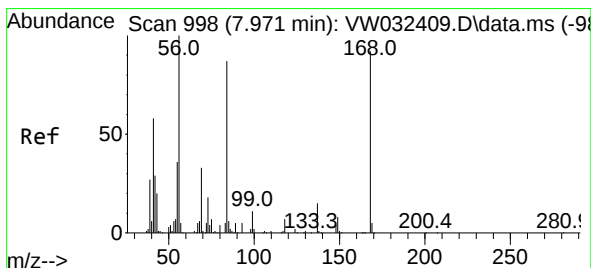
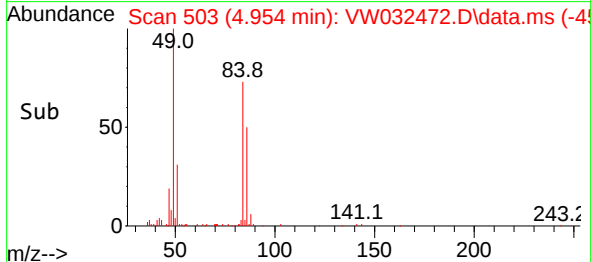
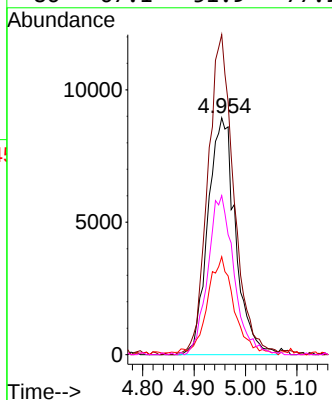
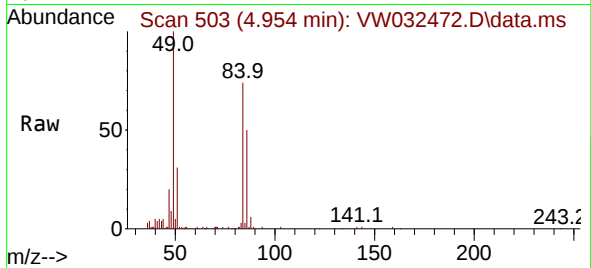




#20
Methylene Chloride
Concen: 11.244 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

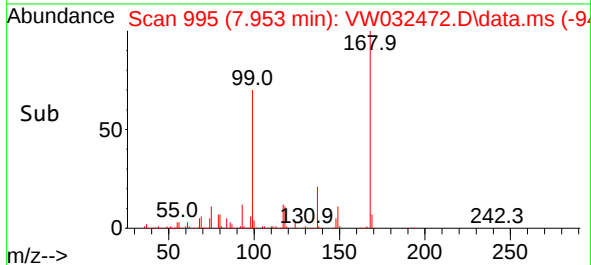
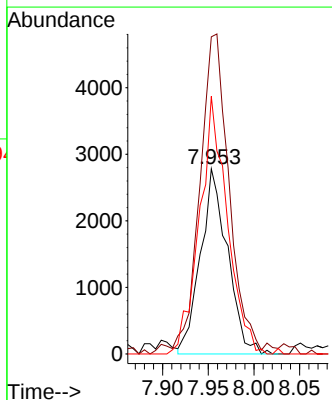
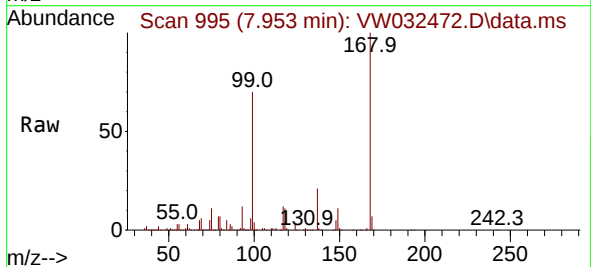
Instrument :
MSVOA_W
ClientSampleId :
NB-07-111725

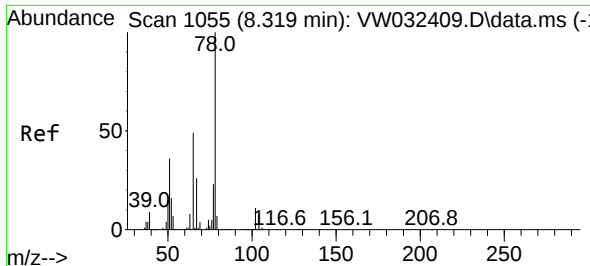
Tgt Ion:	84	Resp:	33294
Ion	Ratio	Lower	Upper
84	100		
49	134.4	101.5	152.3
51	41.4	30.6	46.0
86	67.1	51.9	77.9



#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

Tgt Ion:	56	Resp:	5715
Ion	Ratio	Lower	Upper
56	100		
69	168.3	26.5	39.7#
84	136.2	69.6	104.4#

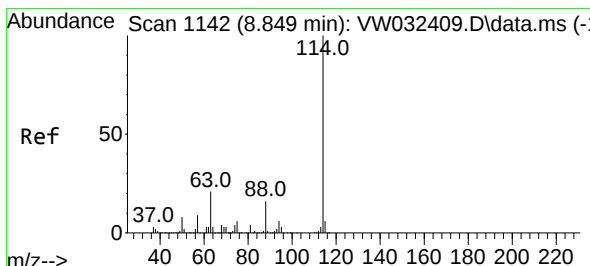
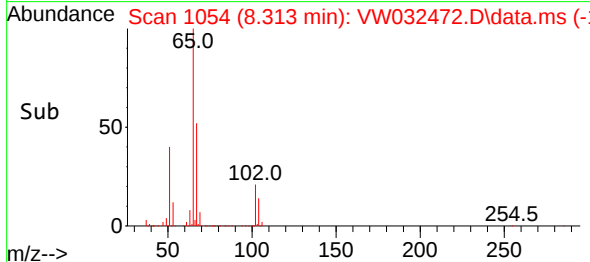
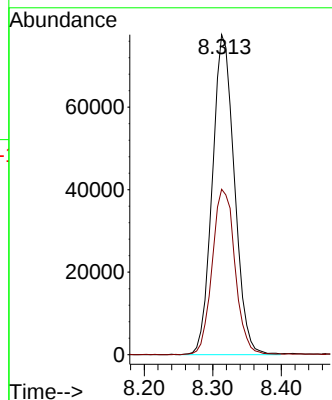
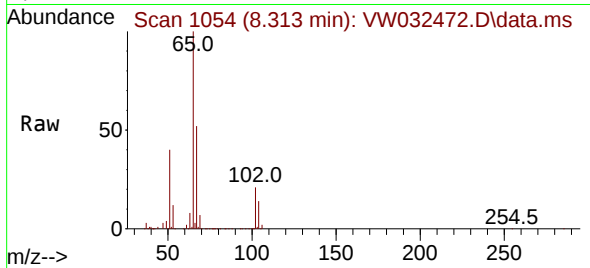




#33
 1,2-Dichloroethane-d4
 Concen: 62.743 ug/l
 RT: 8.313 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VW032472.D
 Acq: 18 Nov 2025 11:50

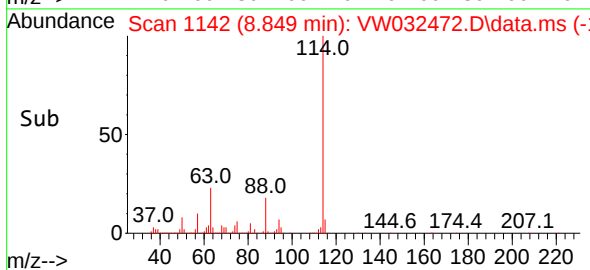
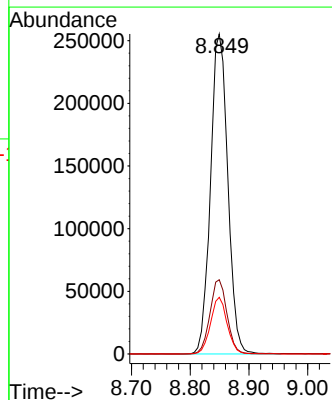
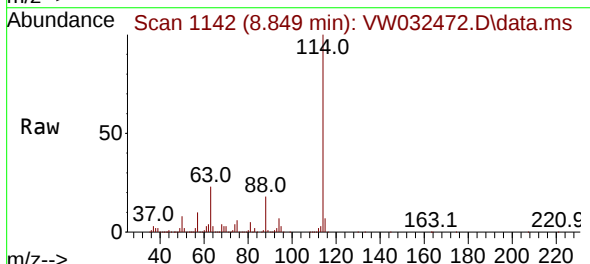
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-07-111725

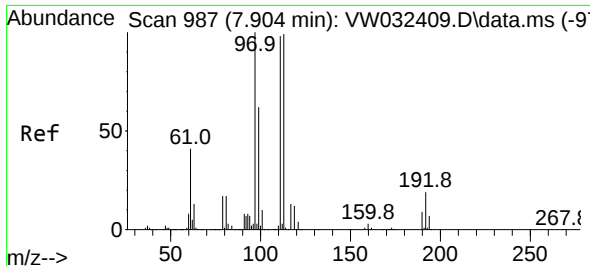
Tgt Ion: 65 Resp: 173640
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032472.D
 Acq: 18 Nov 2025 11:50

Tgt Ion: 114 Resp: 522669
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 41.8
 88 17.7 0.0 32.6

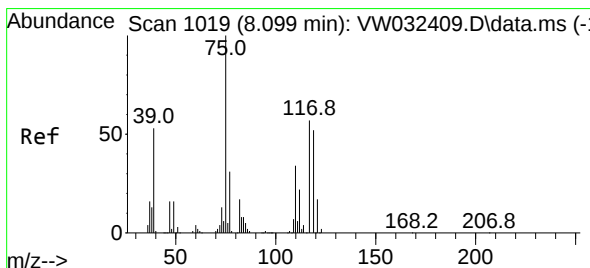
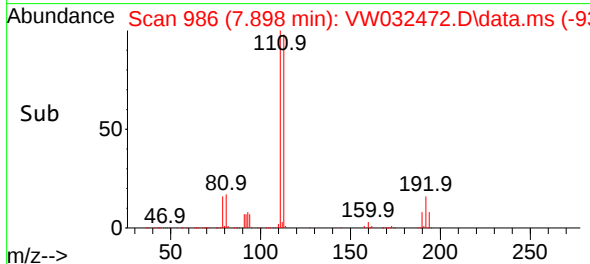
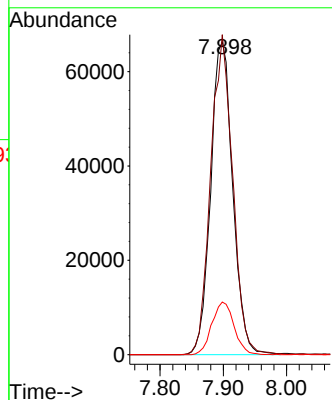
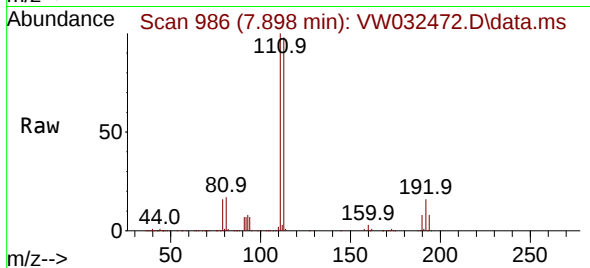




#35
Dibromofluoromethane
Concen: 51.278 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

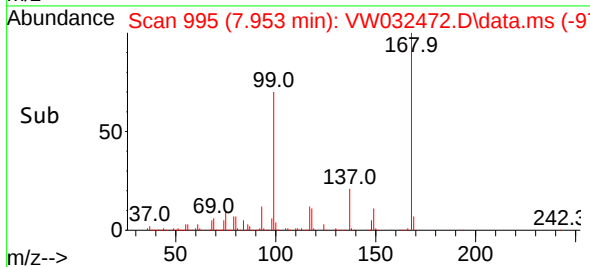
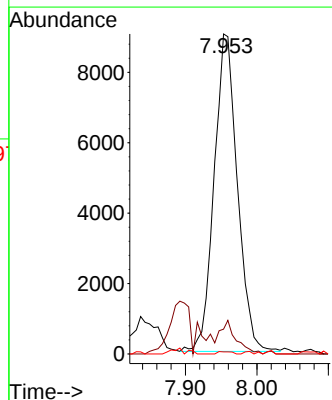
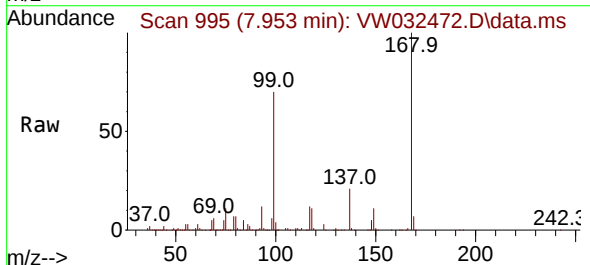
Instrument :
MSVOA_W
ClientSampleId :
NB-07-111725

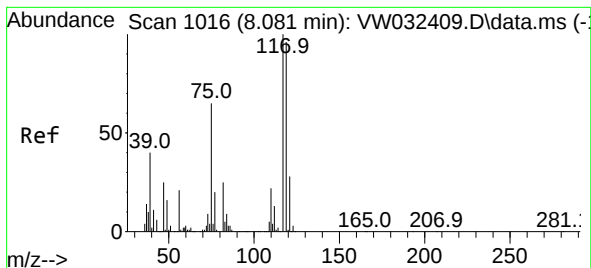
Tgt Ion:113 Resp: 160467
Ion Ratio Lower Upper
113 100
111 101.9 83.1 124.7
192 17.0 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.424 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.146 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

Tgt Ion: 75 Resp: 20396
Ion Ratio Lower Upper
75 100
110 7.2 17.2 51.5#
77 0.4 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.665 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.128 min

Lab File: VW032472.D

Acq: 18 Nov 2025 11:50

Instrument :

MSVOA_W

ClientSampleId :

NB-07-111725

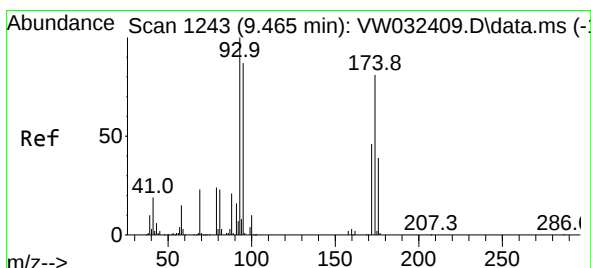
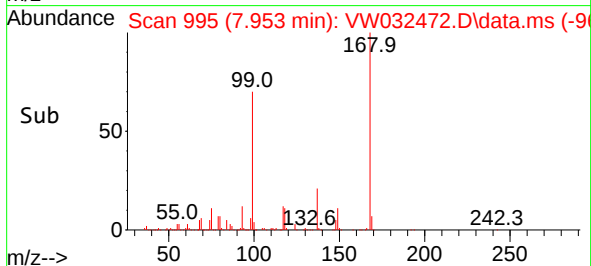
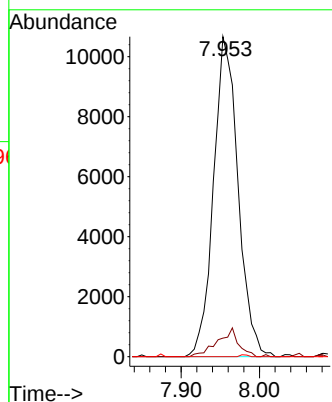
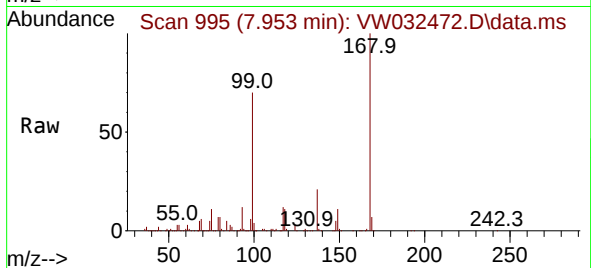
Tgt Ion:117 Resp: 23209

Ion Ratio Lower Upper

117 100

119 5.8 77.0 115.4#

121 0.0 22.0 33.0#



#49

1,4-Dioxane

Concen: 1.685 ug/l

RT: 9.483 min Scan# 1246

Delta R.T. 0.019 min

Lab File: VW032472.D

Acq: 18 Nov 2025 11:50

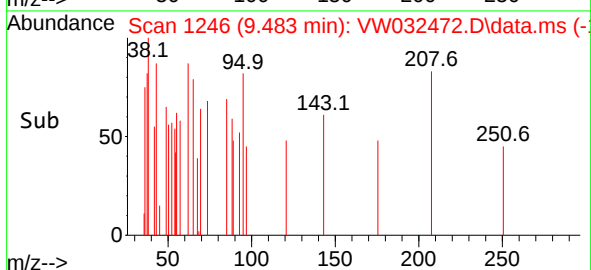
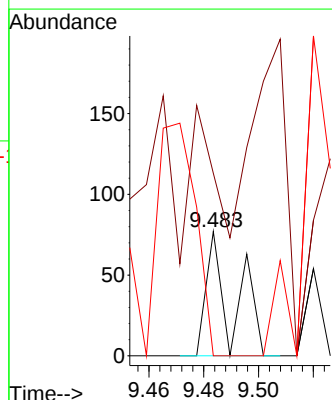
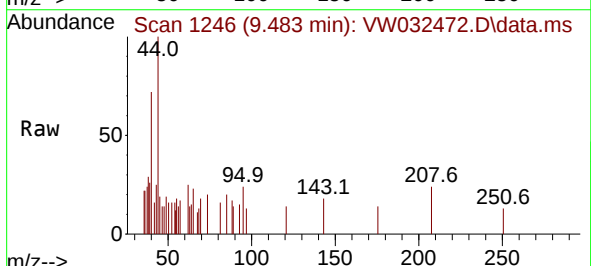
Tgt Ion: 88 Resp: 51

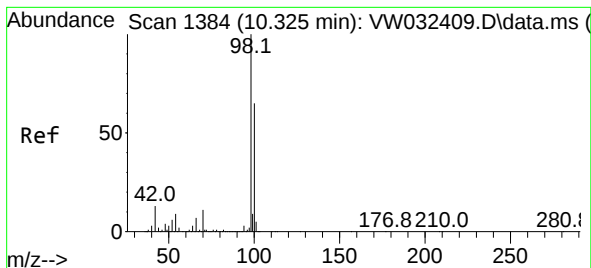
Ion Ratio Lower Upper

88 100

43 362.7 0.0 0.0#

58 317.6 63.0 94.4#

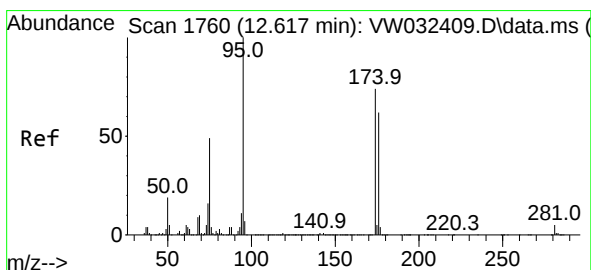
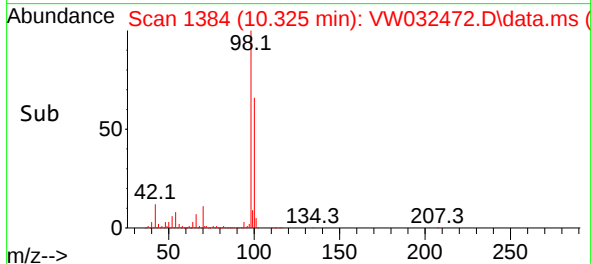
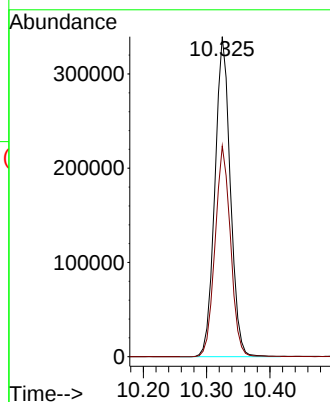
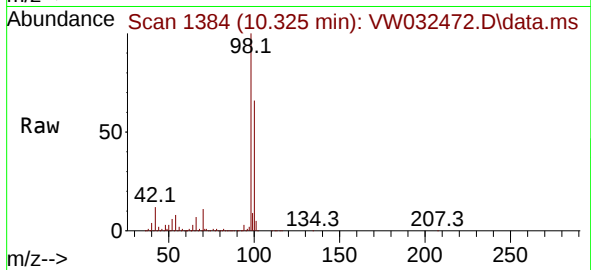




#50
Toluene-d8
Concen: 47.750 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

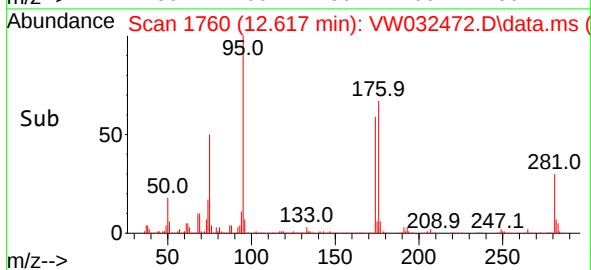
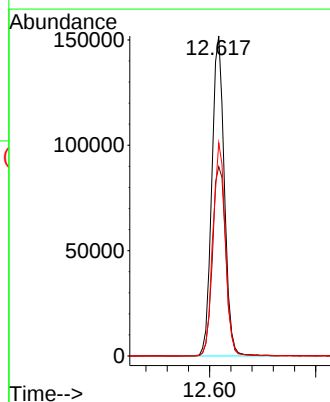
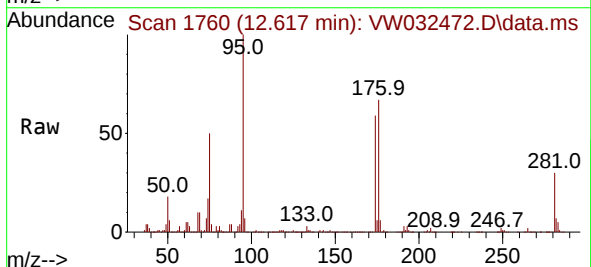
Instrument :
MSVOA_W
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NB-07-111725

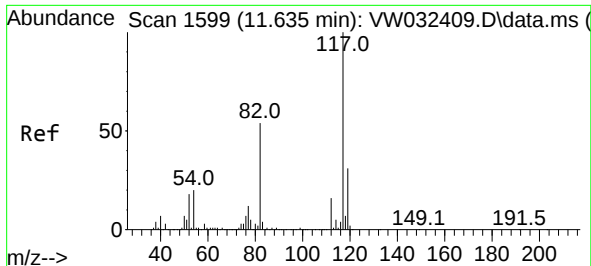
Tgt Ion: 98 Resp: 573254
Ion Ratio Lower Upper
98 100
100 66.0 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 54.835 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

Tgt Ion: 95 Resp: 248680
Ion Ratio Lower Upper
95 100
174 62.7 0.0 135.4
176 66.1 0.0 131.8

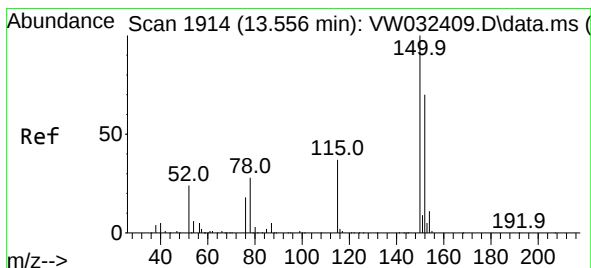
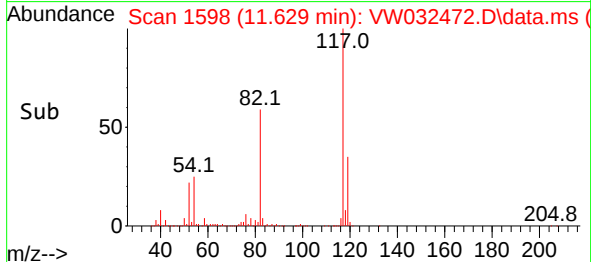
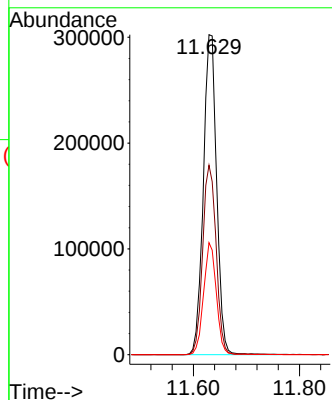
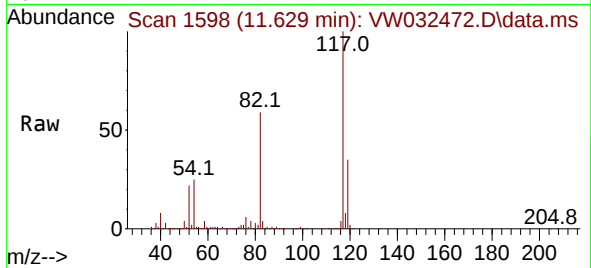




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

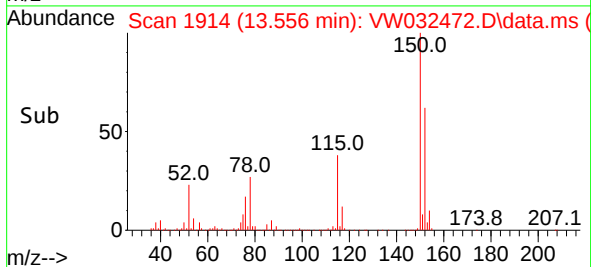
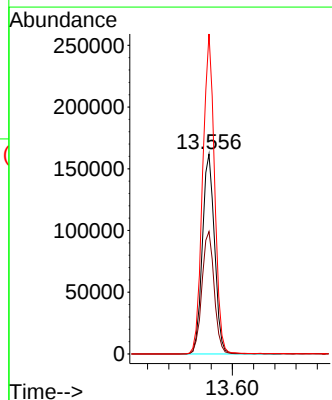
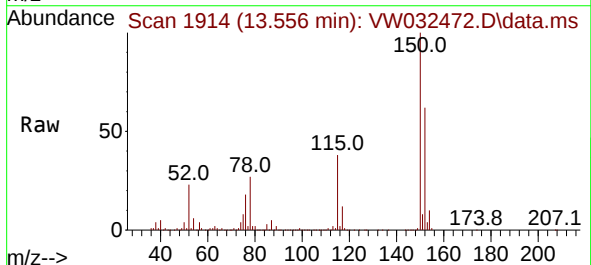
Instrument :
MSVOA_W
ClientSampleId :
NB-07-111725

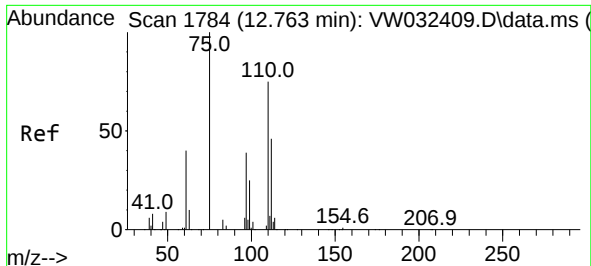
Tgt Ion:117 Resp: 527381
Ion Ratio Lower Upper
117 100
82 59.2 43.0 64.4
119 35.0 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

Tgt Ion:152 Resp: 259120
Ion Ratio Lower Upper
152 100
115 61.5 32.8 98.3
150 155.9 0.0 356.6

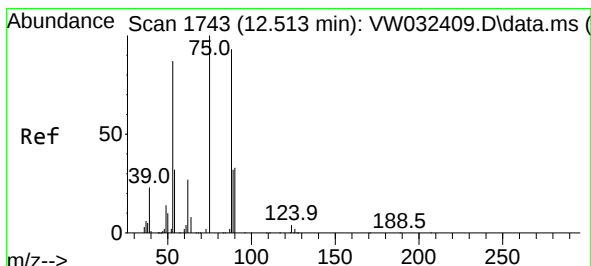
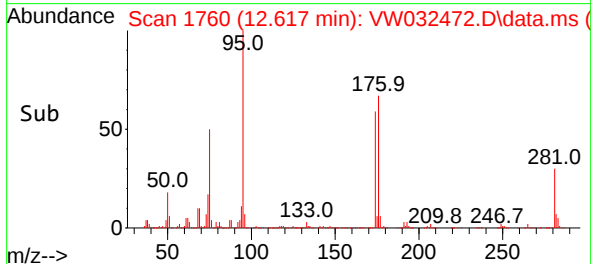
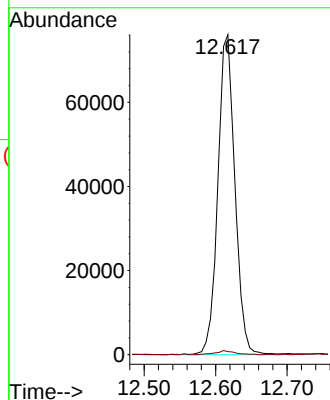
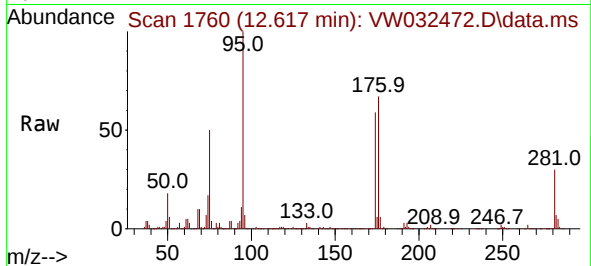




#76
1,2,3-Trichloropropane
Concen: 35.467 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

Instrument :
MSVOA_W
ClientSampleId :
NB-07-111725

Tgt Ion: 75 Resp: 126013
Ion Ratio Lower Upper
75 100
77 1.4 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.235 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

Tgt Ion: 75 Resp: 126013
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 35.6 53.4#

