

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032246.D
 Acq On : 24 Sep 2025 16:08
 Operator : SY/MD
 Sample : Q3176-02
 Misc : 5.05g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EME-TS13-01

Quant Time: Sep 25 08:14:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

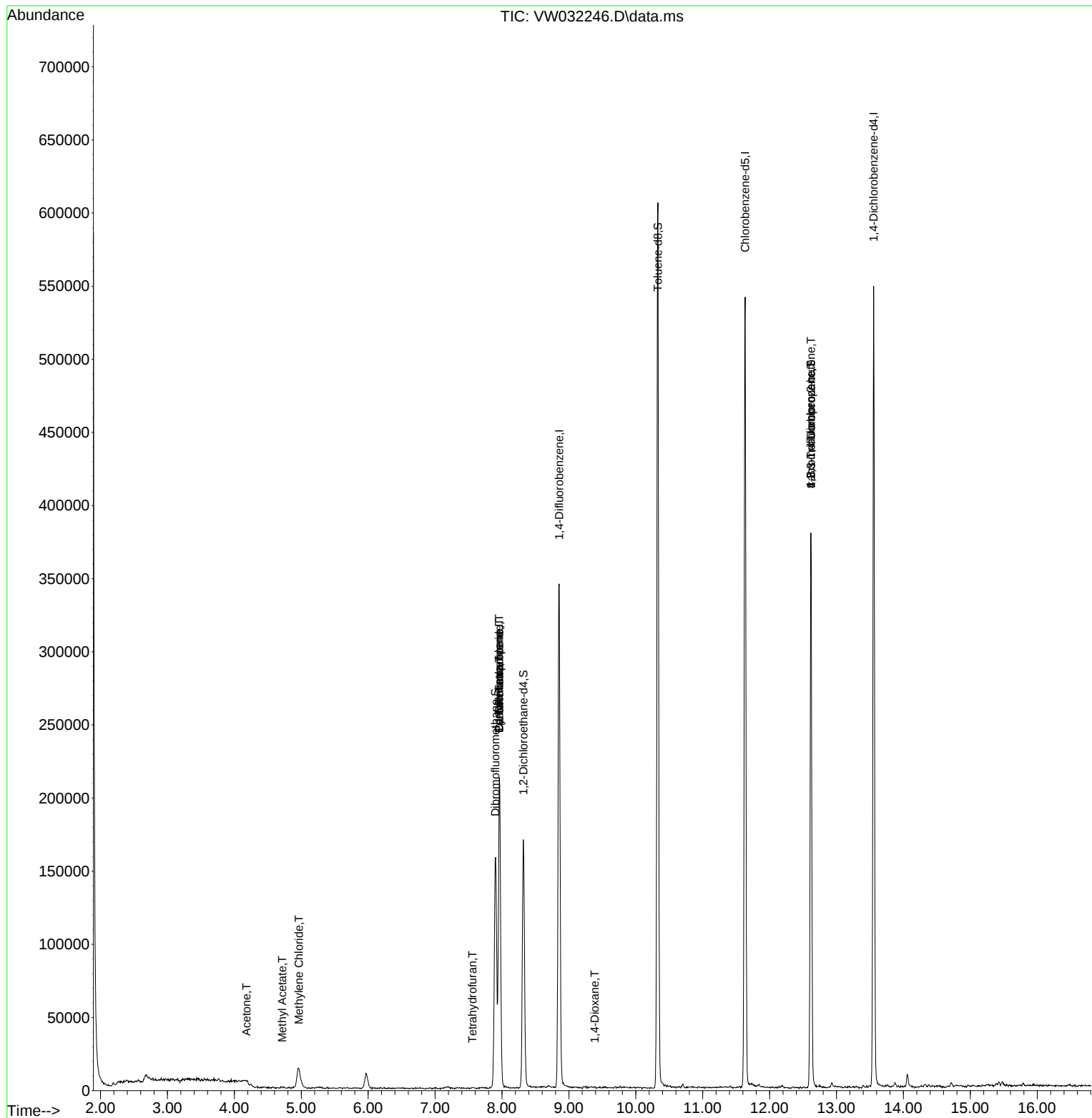
Internal Standards						
1) Pentafluorobenzene	7.959	168	149631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	293361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	295825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	140662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	142320	66.507	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 133.020%			
35) Dibromofluoromethane	7.898	113	117153	56.920	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 113.840%			
50) Toluene-d8	10.331	98	394158	54.552	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 109.100%			
62) 4-Bromofluorobenzene	12.617	95	122884	45.993	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 91.980%			
Target Compounds						Qvalue
16) Acetone	4.179	43	1280	2.762	ug/l #	88
18) Methyl Acetate	4.716	43	1604	1.086	ug/l #	79
20) Methylene Chloride	4.966	84	12896	3.242	ug/l #	92
29) Tetrahydrofuran	7.557	42	551	1.320	ug/l #	34
31) Cyclohexane	7.959	56	4065	1.547	ug/l #	4
36) 1,1-Dichloropropene	7.959	75	13050	4.890	ug/l #	52
38) Carbon Tetrachloride	7.959	117	16097	5.627	ug/l #	19
49) 1,4-Dioxane	9.386	88	61	3.620	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	67310	38.196	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	67310	102.842	ug/l #	5

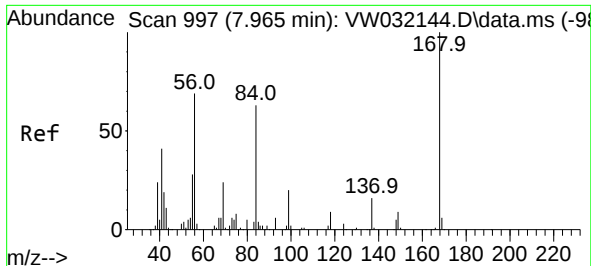
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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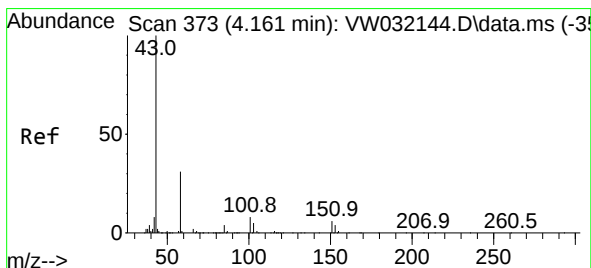
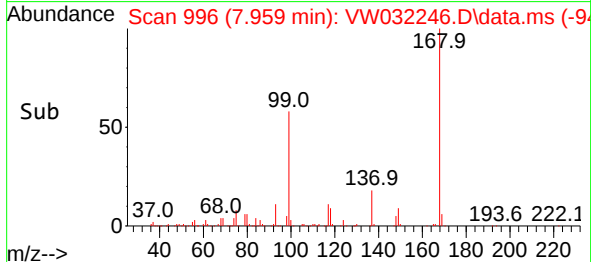
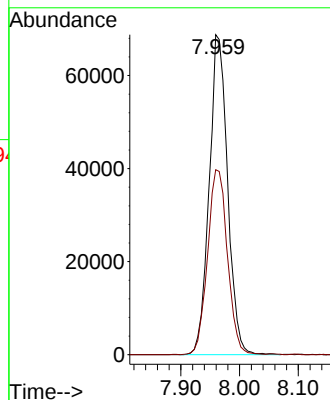
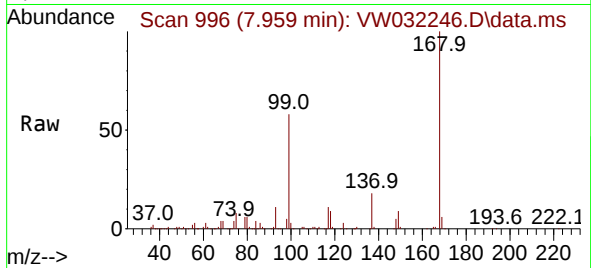




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032246.D
Acq: 24 Sep 2025 16:08

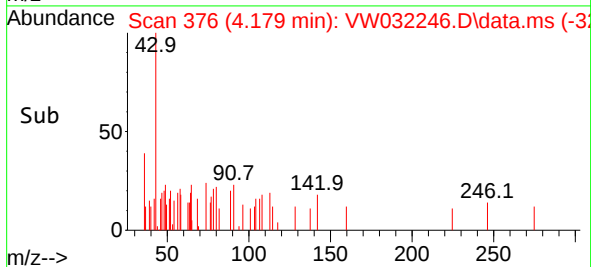
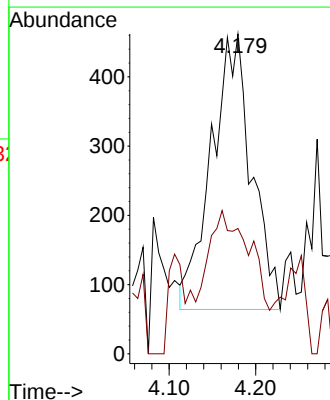
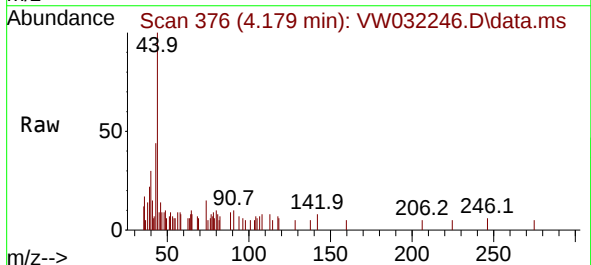
Instrument :
MSVOA_W
ClientSampleId :
EME-TS13-01

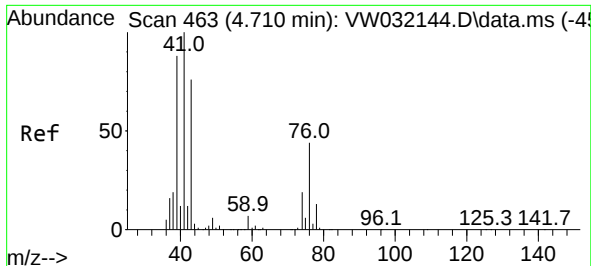
Tgt Ion:168 Resp: 149631
Ion Ratio Lower Upper
168 100
99 57.8 49.3 73.9



#16
Acetone
Concen: 2.762 ug/l
RT: 4.179 min Scan# 376
Delta R.T. 0.018 min
Lab File: VW032246.D
Acq: 24 Sep 2025 16:08

Tgt Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
58 24.9 25.3 37.9

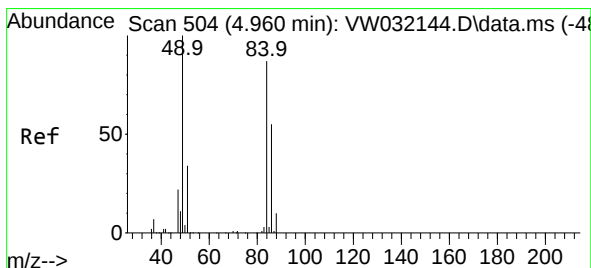
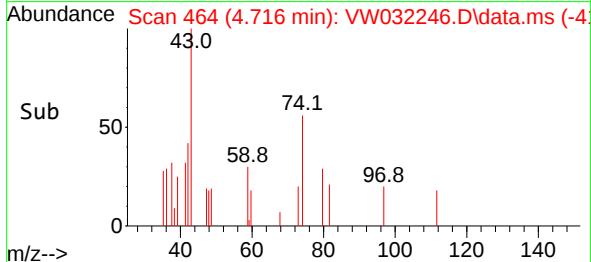
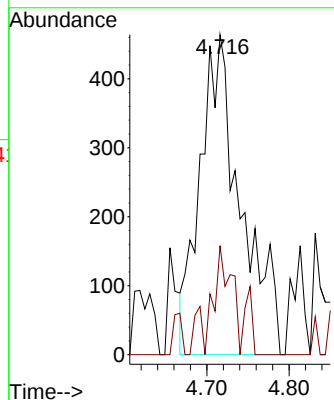
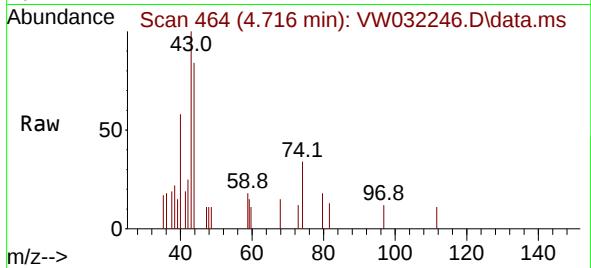




#18
Methyl Acetate
Concen: 1.086 ug/l
RT: 4.716 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW032246.D
Acq: 24 Sep 2025 16:08

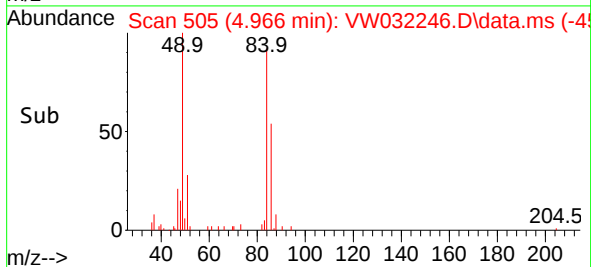
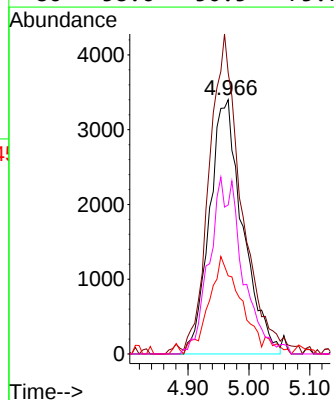
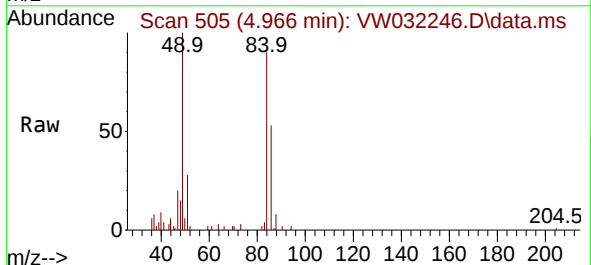
Instrument :
MSVOA_W
ClientSampleId :
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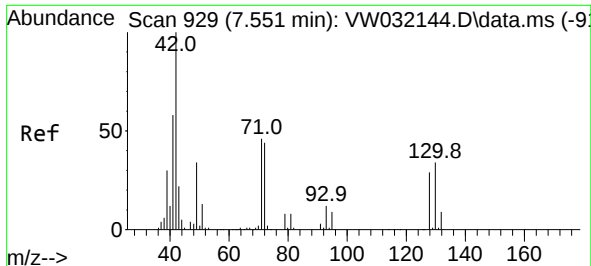
Tgt Ion: 43 Resp: 1604
Ion Ratio Lower Upper
43 100
74 14.5 20.2 30.4#



#20
Methylene Chloride
Concen: 3.242 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.006 min
Lab File: VW032246.D
Acq: 24 Sep 2025 16:08

Tgt Ion: 84 Resp: 12896
Ion Ratio Lower Upper
84 100
49 108.2 92.2 138.4
51 29.2 31.0 46.6#
86 58.6 50.5 75.7





#29

Tetrahydrofuran

Concen: 1.320 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032246.D

Acq: 24 Sep 2025 16:08

Instrument :

MSVOA_W

ClientSampleId :

EME-TS13-01

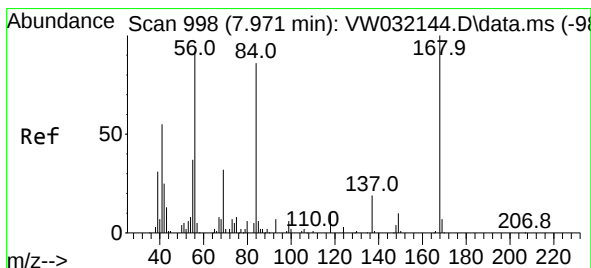
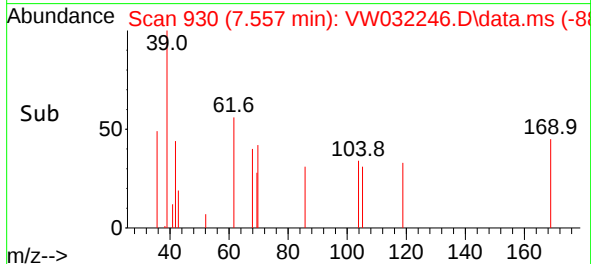
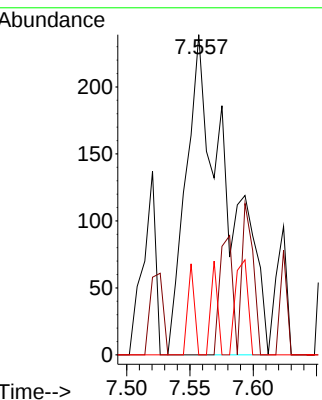
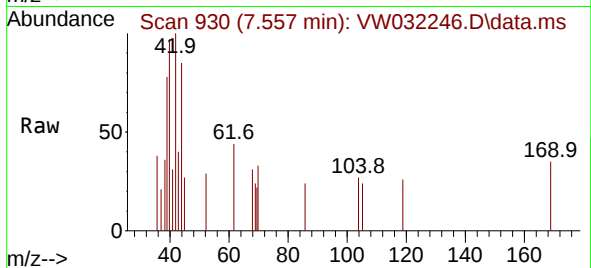
Tgt Ion: 42 Resp: 551

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.2#

71 4.5 36.0 54.0#



#31

Cyclohexane

Concen: 1.547 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.012 min

Lab File: VW032246.D

Acq: 24 Sep 2025 16:08

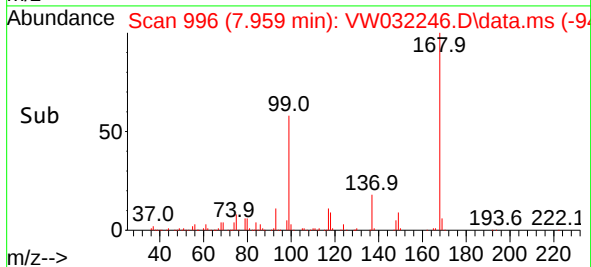
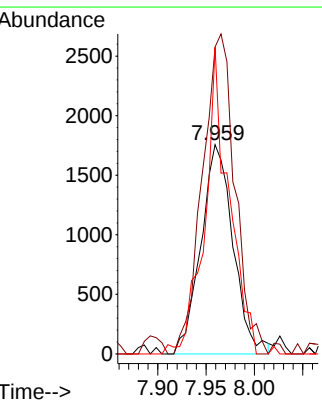
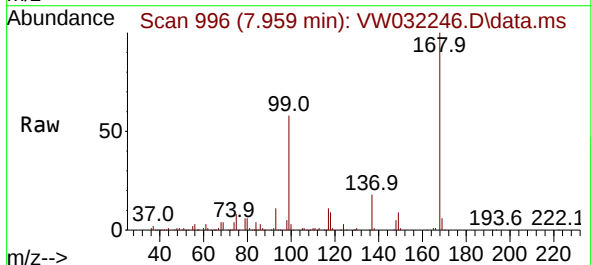
Tgt Ion: 56 Resp: 4065

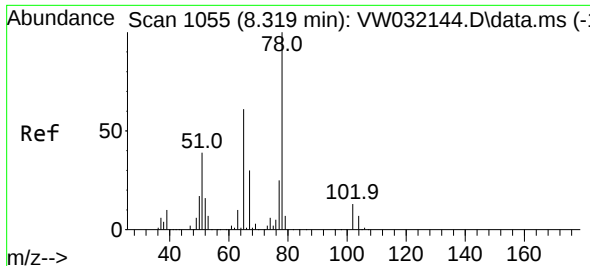
Ion Ratio Lower Upper

56 100

69 146.7 27.7 41.5#

84 150.7 74.6 112.0#

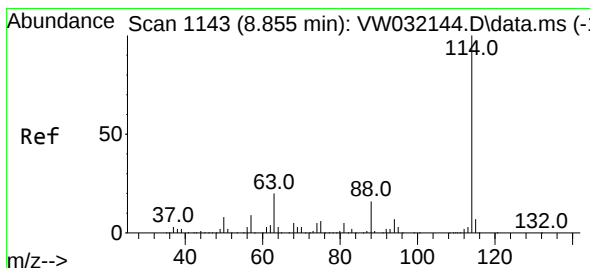
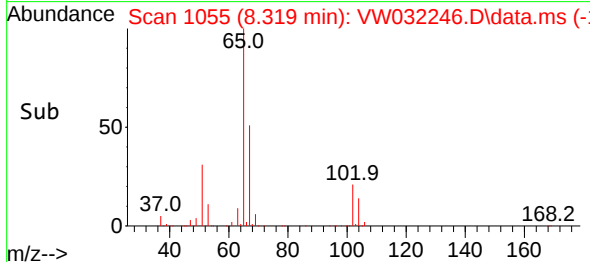
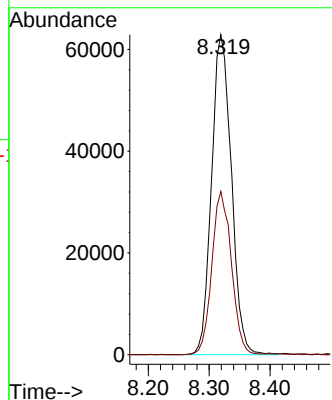
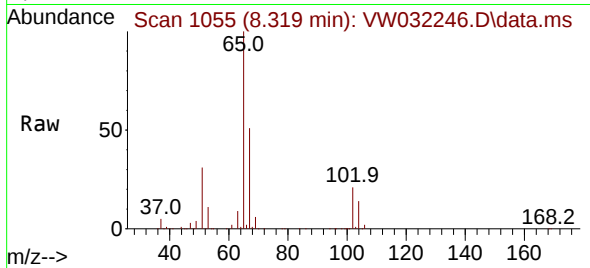




#33
 1,2-Dichloroethane-d4
 Concen: 66.507 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032246.D
 Acq: 24 Sep 2025 16:08

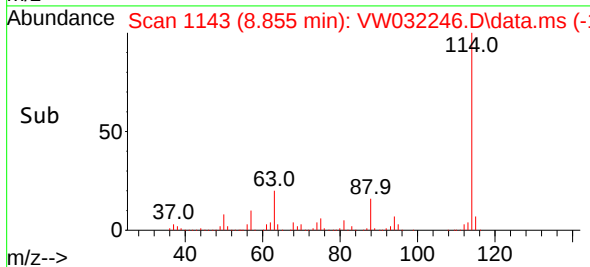
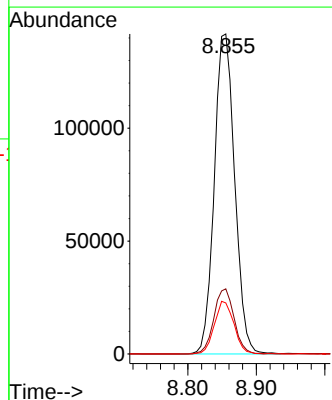
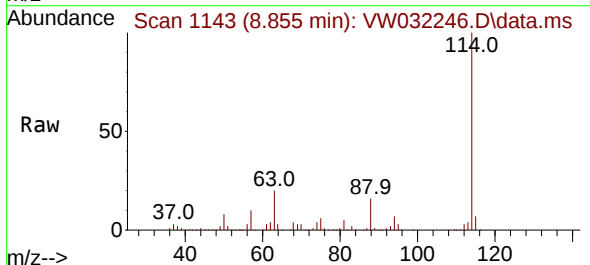
Instrument :
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 ClientSampleId :
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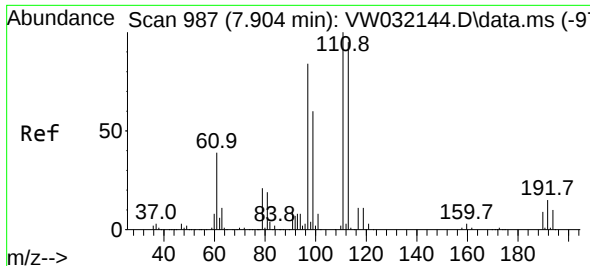
Tgt Ion: 65 Resp: 142320
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032246.D
 Acq: 24 Sep 2025 16:08

Tgt Ion: 114 Resp: 293361
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.4
 88 15.9 0.0 32.0

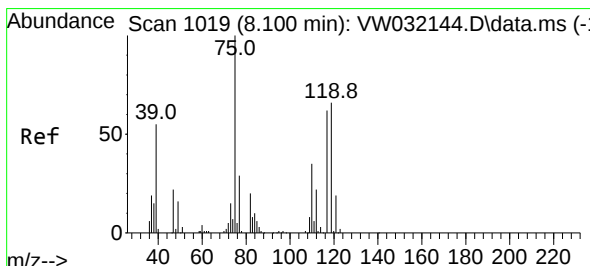
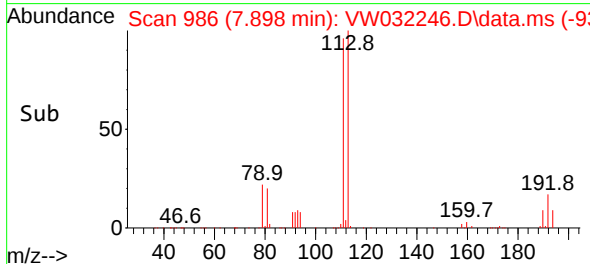
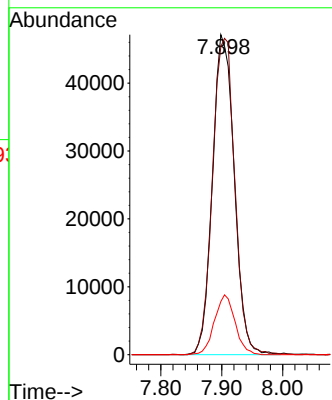
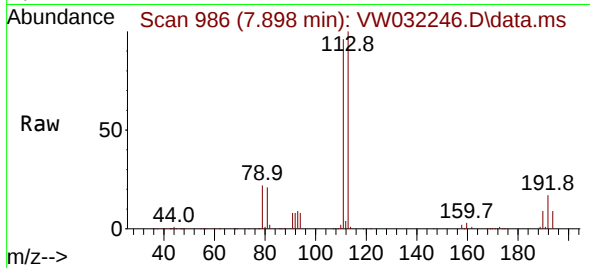




#35
 Dibromofluoromethane
 Concen: 56.920 ug/l
 RT: 7.898 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VW032246.D
 Acq: 24 Sep 2025 16:08

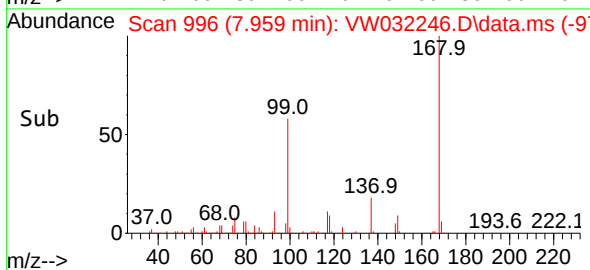
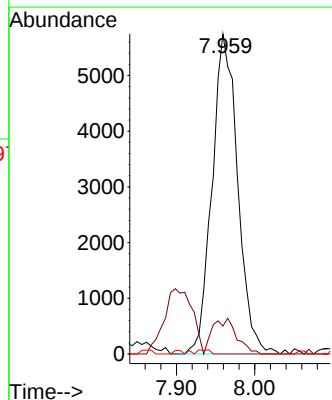
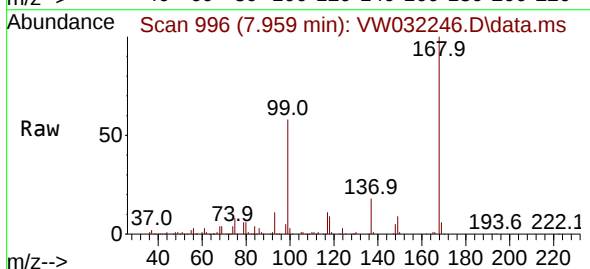
Instrument :
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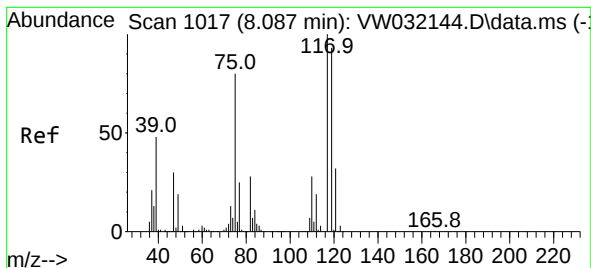
Tgt Ion:113 Resp: 117153
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.9 125.9
 192 17.7 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032246.D
 Acq: 24 Sep 2025 16:08

Tgt Ion: 75 Resp: 13050
 Ion Ratio Lower Upper
 75 100
 110 10.6 17.5 52.5#
 77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.627 ug/l

RT: 7.959 min Scan# 91

Delta R.T. -0.128 min

Lab File: VW032246.D

Acq: 24 Sep 2025 16:08

Instrument :

MSVOA_W

ClientSampleId :

EME-TS13-01

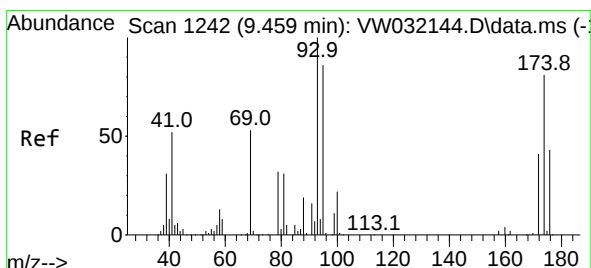
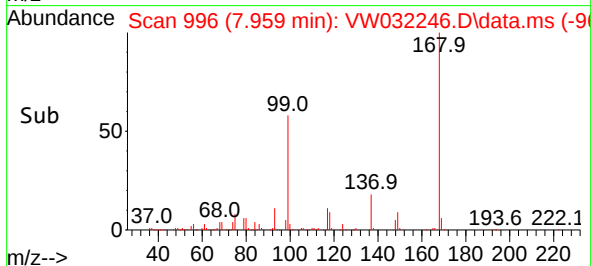
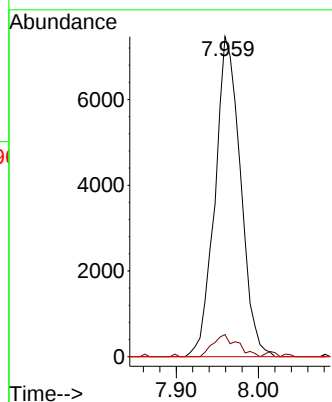
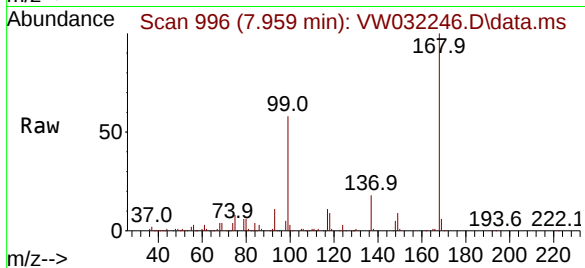
Tgt Ion:117 Resp: 16097

Ion Ratio Lower Upper

117 100

119 6.9 74.2 111.2#

121 0.0 25.6 38.4#



#49

1,4-Dioxane

Concen: 3.620 ug/l

RT: 9.386 min Scan# 1230

Delta R.T. -0.073 min

Lab File: VW032246.D

Acq: 24 Sep 2025 16:08

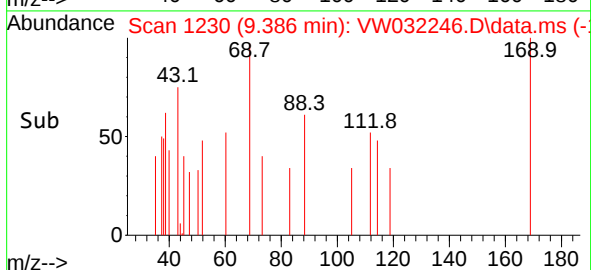
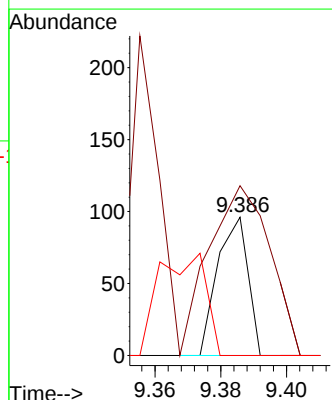
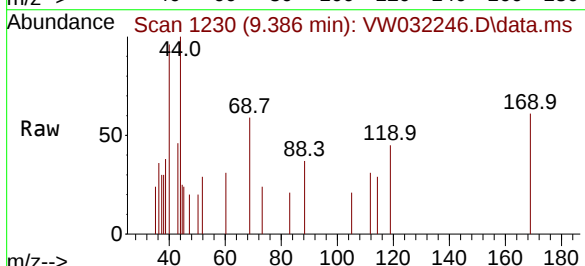
Tgt Ion: 88 Resp: 61

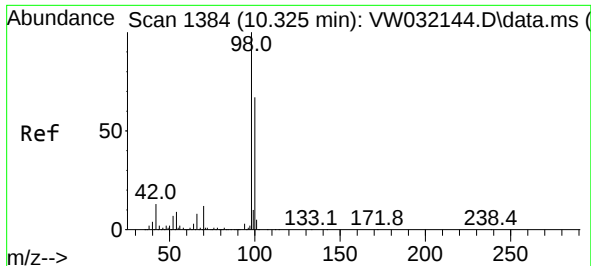
Ion Ratio Lower Upper

88 100

43 250.8 18.0 27.0#

58 114.8 55.4 83.0#

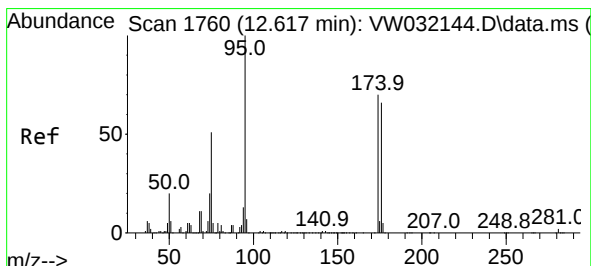
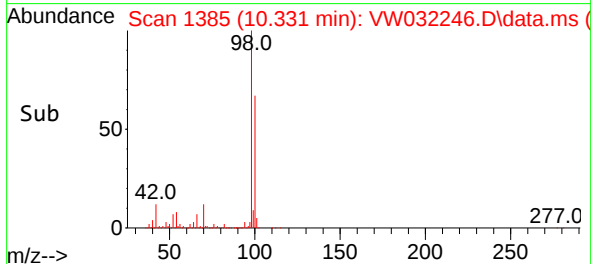
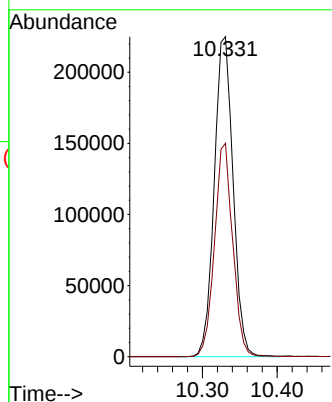
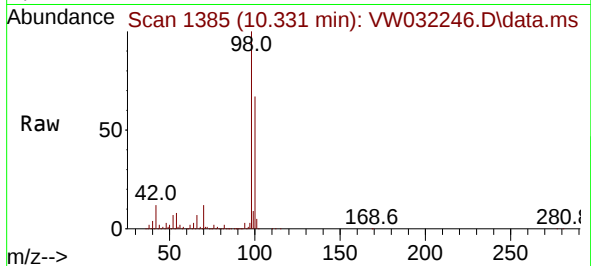




#50
Toluene-d8
Concen: 54.552 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032246.D
Acq: 24 Sep 2025 16:08

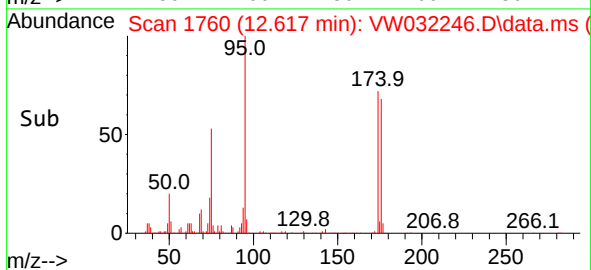
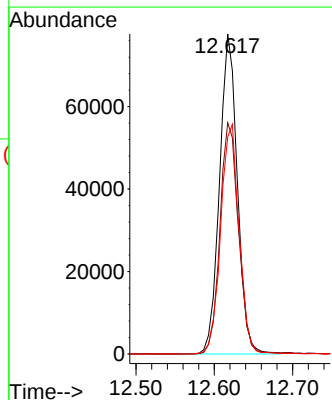
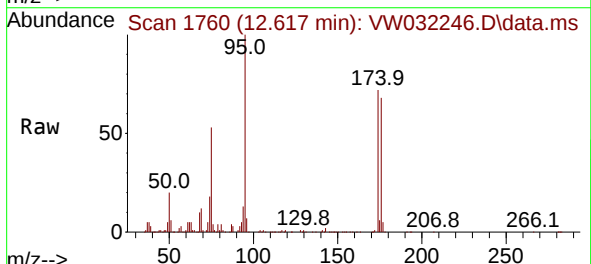
Instrument :
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ClientSampleId :
EME-TS13-01

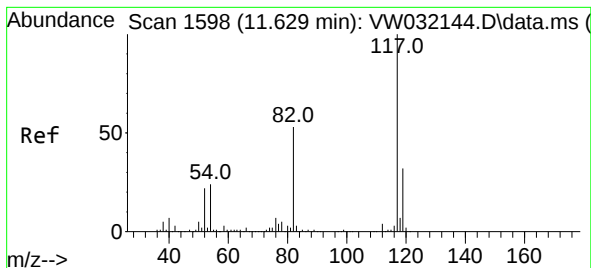
Tgt Ion: 98 Resp: 394158
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 45.993 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032246.D
Acq: 24 Sep 2025 16:08

Tgt Ion: 95 Resp: 122884
Ion Ratio Lower Upper
95 100
174 75.1 0.0 145.6
176 74.4 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032246.D

Acq: 24 Sep 2025 16:08

Instrument :

MSVOA_W

ClientSampleId :

EME-TS13-01

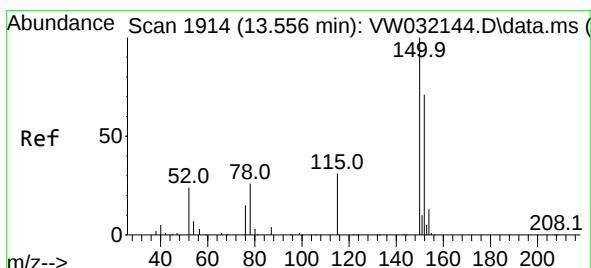
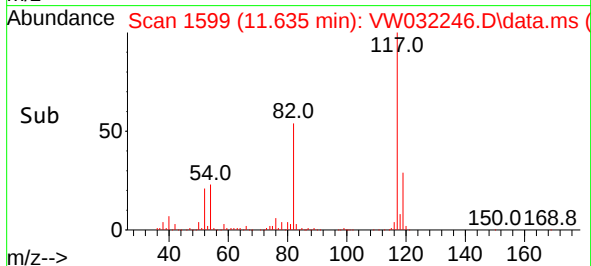
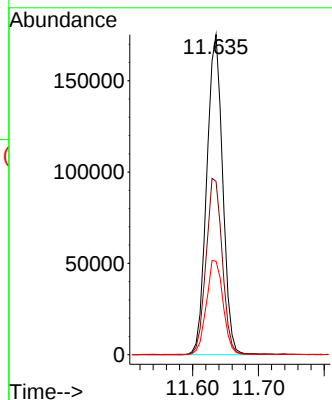
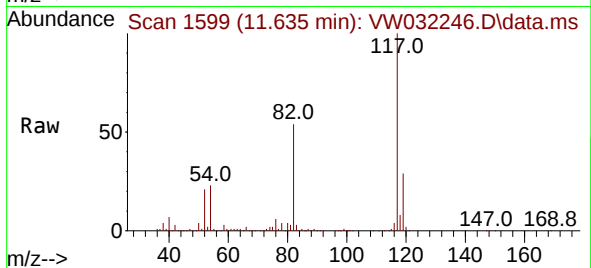
Tgt Ion:117 Resp: 295825

Ion Ratio Lower Upper

117 100

82 54.2 42.7 64.1

119 29.1 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032246.D

Acq: 24 Sep 2025 16:08

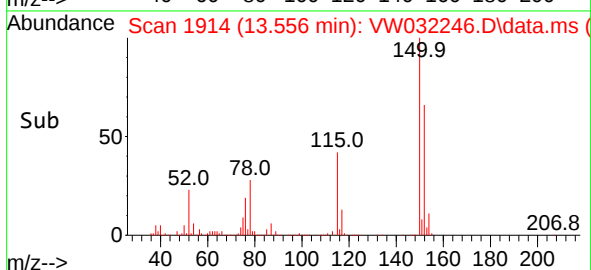
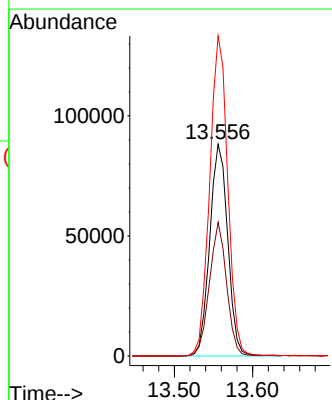
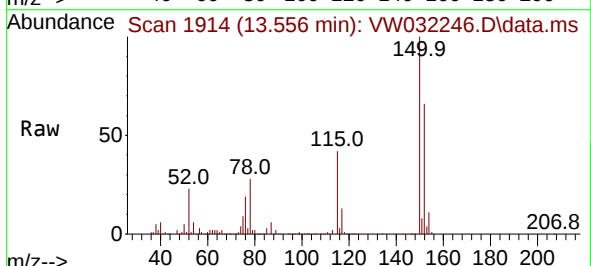
Tgt Ion:152 Resp: 140662

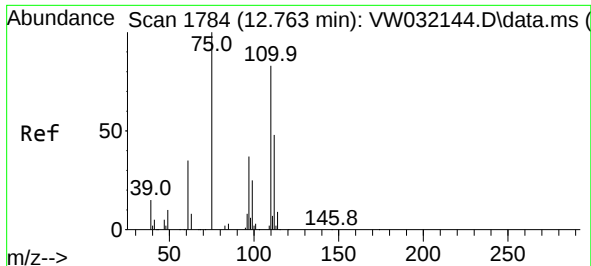
Ion Ratio Lower Upper

152 100

115 60.2 31.8 95.4

150 151.3 0.0 343.0

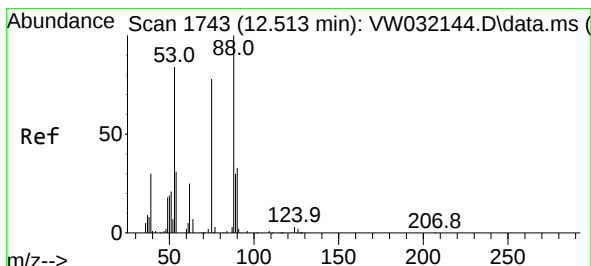
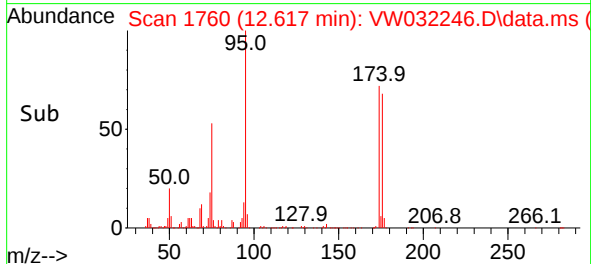
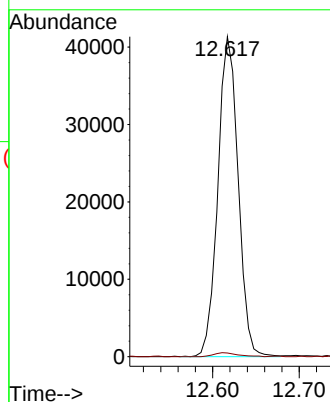
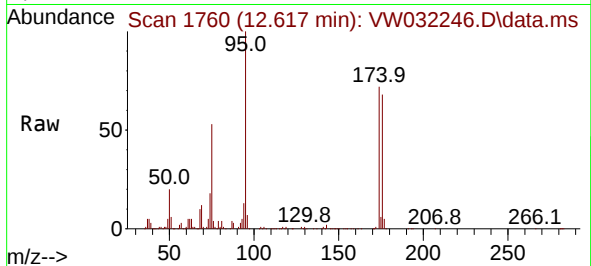




#76
1,2,3-Trichloropropane
Concen: 38.196 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032246.D
Acq: 24 Sep 2025 16:08

Instrument :
MSVOA_W
ClientSampleId :
EME-TS13-01

Tgt Ion: 75 Resp: 67310
Ion Ratio Lower Upper
75 100
77 1.5 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.842 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032246.D
Acq: 24 Sep 2025 16:08

Tgt Ion: 75 Resp: 67310
Ion Ratio Lower Upper
75 100
53 0.6 91.0 136.6#
89 0.0 39.4 59.2#

