

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032245.D
 Acq On : 24 Sep 2025 15:46
 Operator : SY/MD
 Sample : Q3176-01
 Misc : 5.28g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EME-TS12-01

Quant Time: Sep 25 08:14:09 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)

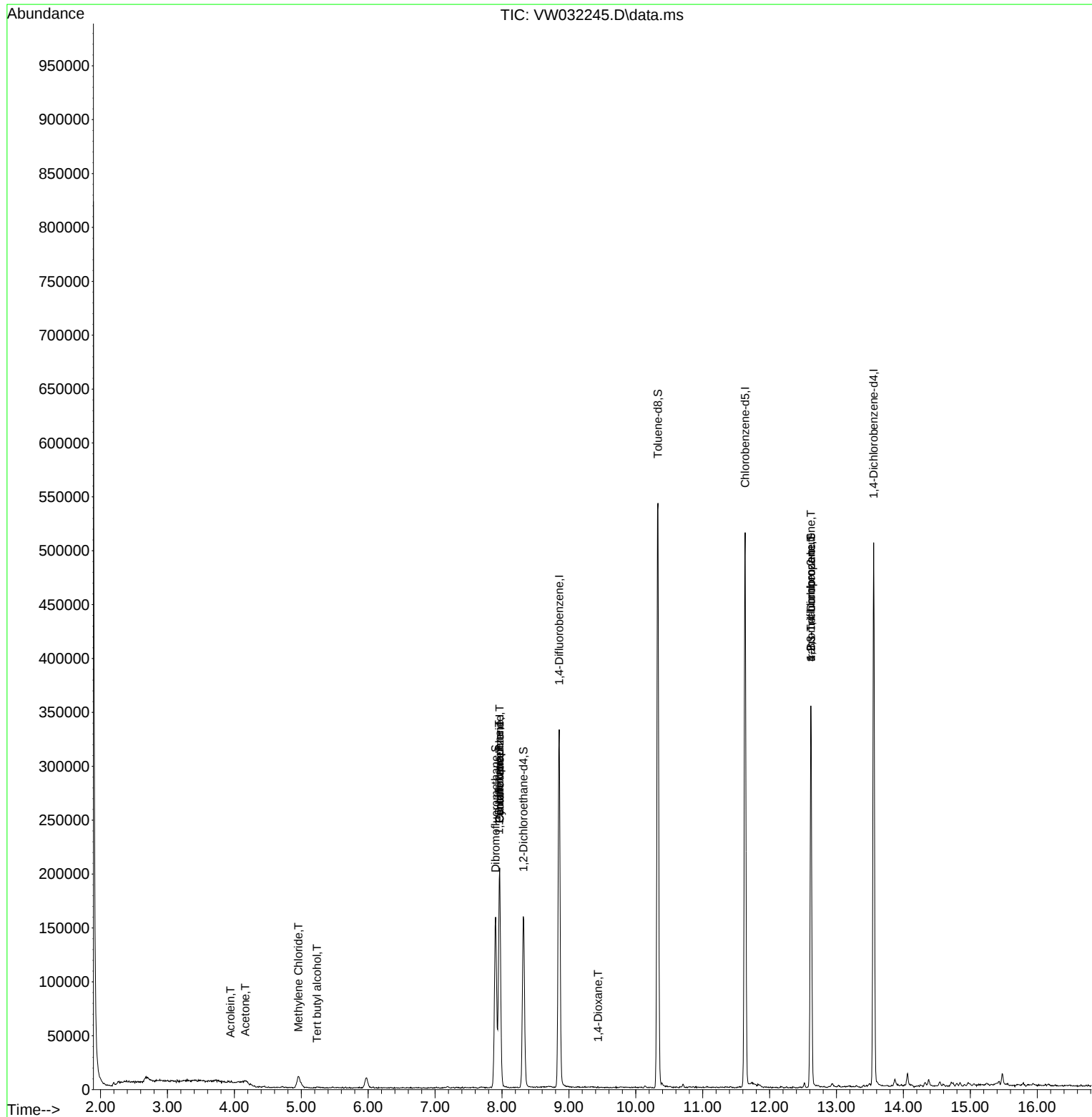
Internal Standards						
1) Pentafluorobenzene	7.965	168	141823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	277956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	277180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	126415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131894	65.028	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 130.060%			
35) Dibromofluoromethane	7.904	113	110207	56.513	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 113.020%			
50) Toluene-d8	10.331	98	362691	52.979	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 105.960%			
62) 4-Bromofluorobenzene	12.617	95	115841	45.760	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 91.520%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.234	59	221	1.781	ug/l #	69
13) Acrolein	3.941	56	261	1.369	ug/l #	81
16) Acetone	4.161	43	1283	2.921	ug/l	89
20) Methylene Chloride	4.960	84	10091	2.007	ug/l	94
31) Cyclohexane	7.965	56	4106	1.649	ug/l #	50
36) 1,1-Dichloropropene	7.959	75	12548	4.963	ug/l #	51
38) Carbon Tetrachloride	7.965	117	15604	5.757	ug/l #	19
49) 1,4-Dioxane	9.434	88	20	1.253	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	61982	39.137	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	61982	105.374	ug/l #	5

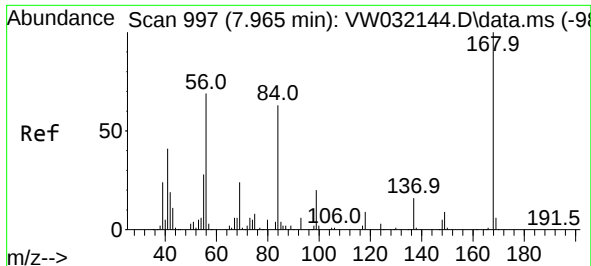
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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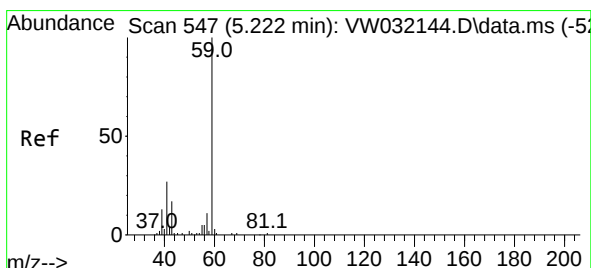
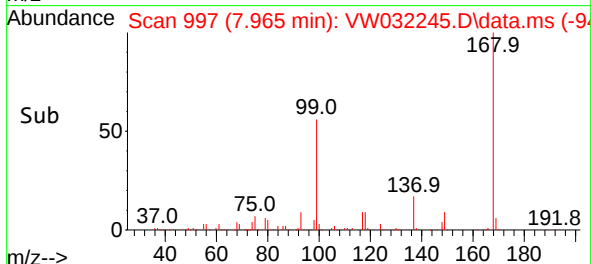
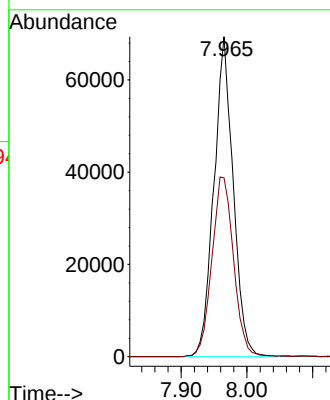
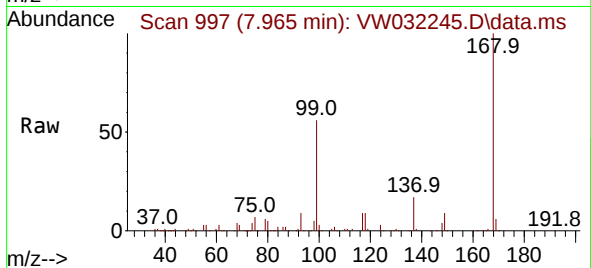




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

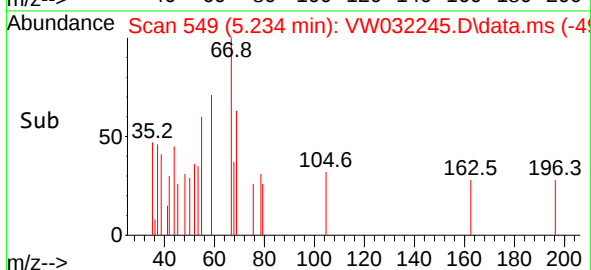
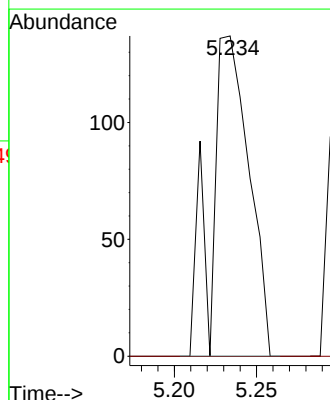
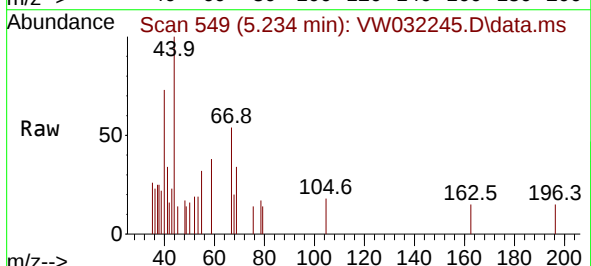
Instrument :
MSVOA_W
ClientSampleId :
EME-TS12-01

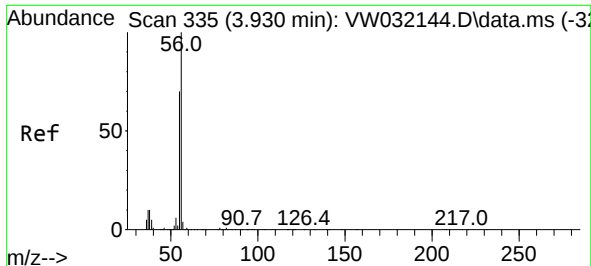
Tgt Ion:168 Resp: 141823
Ion Ratio Lower Upper
168 100
99 55.9 49.3 73.9



#11
Tert butyl alcohol
Concen: 1.781 ug/l
RT: 5.234 min Scan# 549
Delta R.T. 0.012 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

Tgt Ion: 59 Resp: 221
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#





#13

Acrolein

Concen: 1.369 ug/l

RT: 3.941 min Scan# 335

Delta R.T. 0.012 min

Lab File: VW032245.D

Acq: 24 Sep 2025 15:46

Instrument :

MSVOA_W

ClientSampleId :

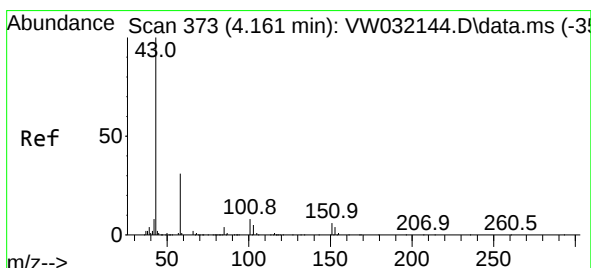
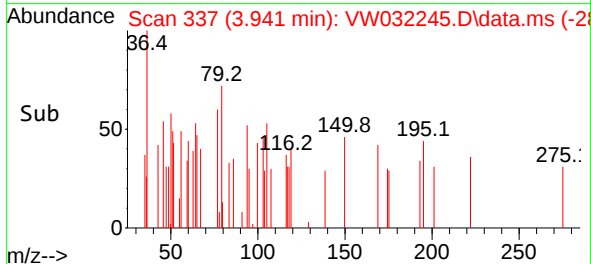
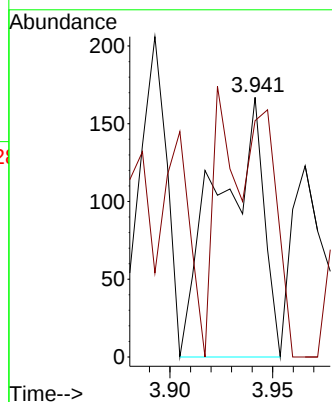
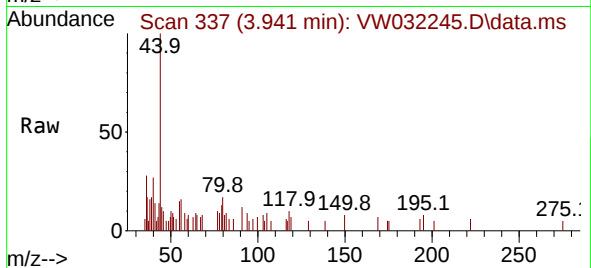
EME-TS12-01

Tgt Ion: 56 Resp: 261

Ion Ratio Lower Upper

56 100

55 54.8 56.4 84.6#



#16

Acetone

Concen: 2.921 ug/l

RT: 4.161 min Scan# 373

Delta R.T. -0.000 min

Lab File: VW032245.D

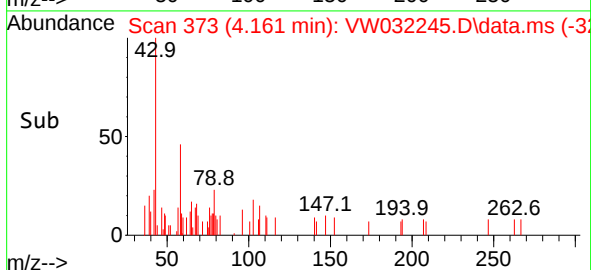
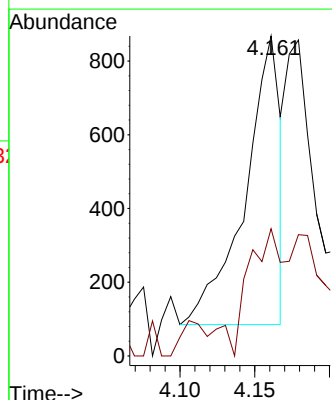
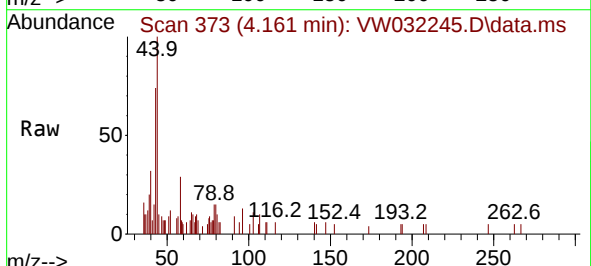
Acq: 24 Sep 2025 15:46

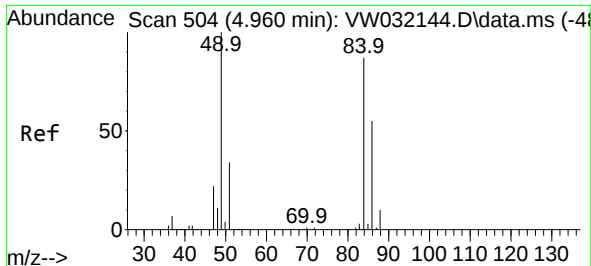
Tgt Ion: 43 Resp: 1283

Ion Ratio Lower Upper

43 100

58 37.5 25.3 37.9

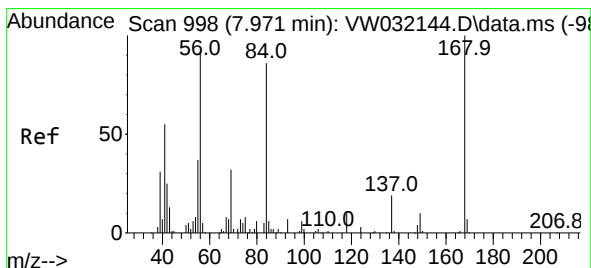
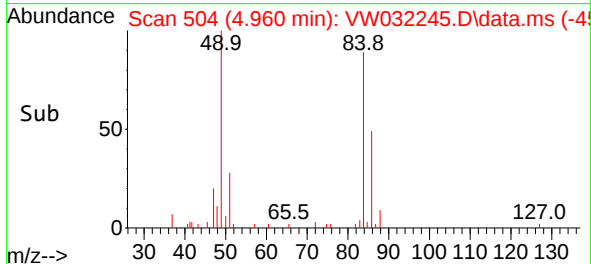
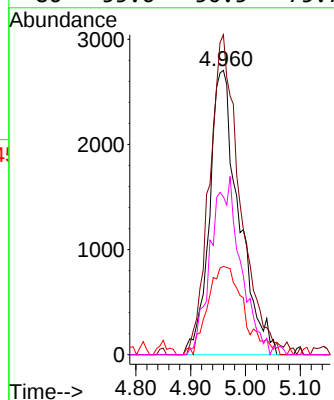
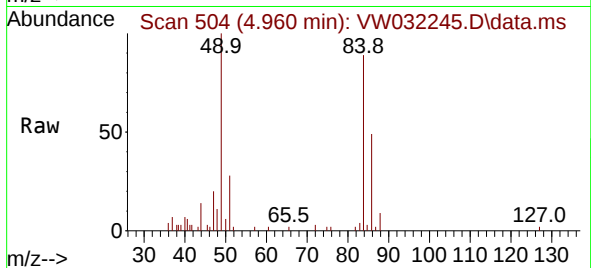




#20
Methylene Chloride
Concen: 2.007 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

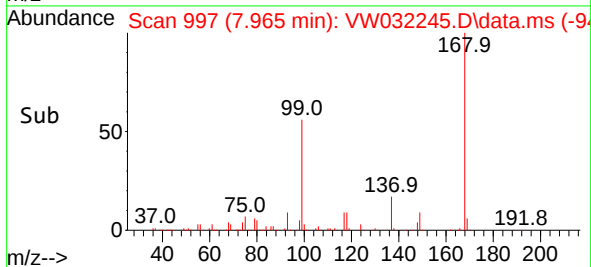
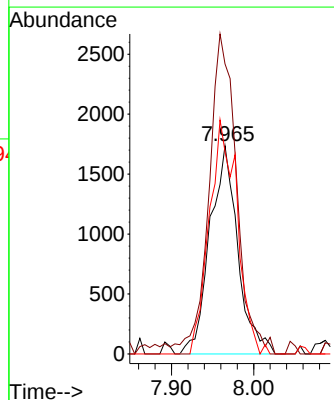
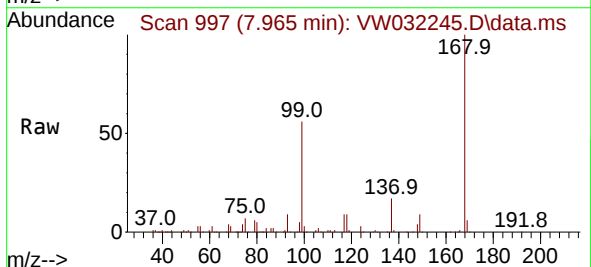
Instrument :
MSVOA_W
ClientSampleId :
EME-TS12-01

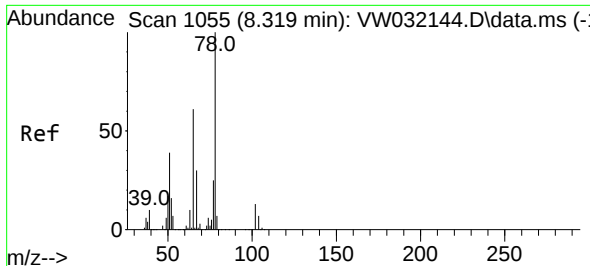
Tgt Ion:	84	Resp:	10091
Ion	Ratio	Lower	Upper
84	100		
49	112.6	92.2	138.4
51	31.1	31.0	46.6
86	55.6	50.5	75.7



#31
Cyclohexane
Concen: 1.649 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

Tgt Ion:	56	Resp:	4106
Ion	Ratio	Lower	Upper
56	100		
69	135.0	27.7	41.5#
84	97.1	74.6	112.0





#33

1,2-Dichloroethane-d4

Concen: 65.028 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032245.D

Acq: 24 Sep 2025 15:46

Instrument :

MSVOA_W

ClientSampleId :

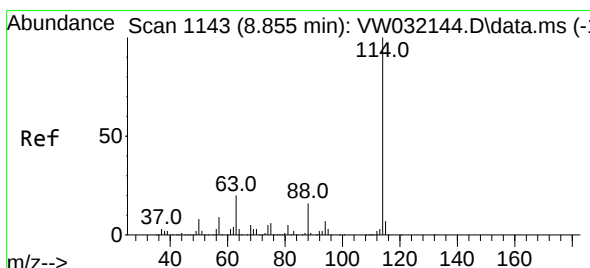
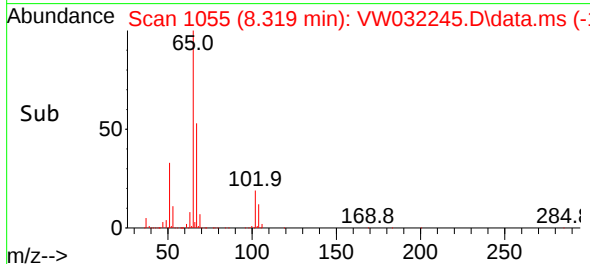
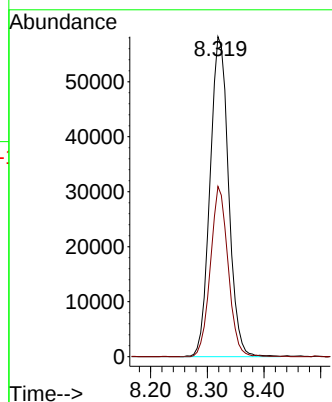
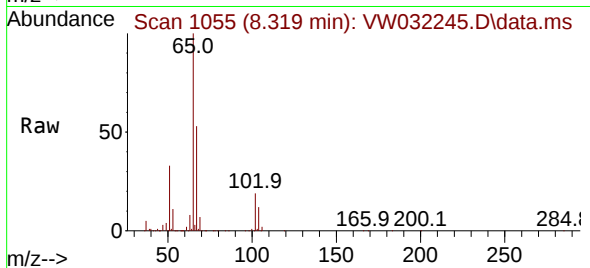
EME-TS12-01

Tgt Ion: 65 Resp: 131894

Ion Ratio Lower Upper

65 100

67 50.9 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: VW032245.D

Acq: 24 Sep 2025 15:46

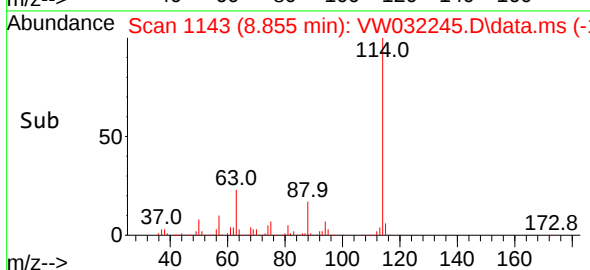
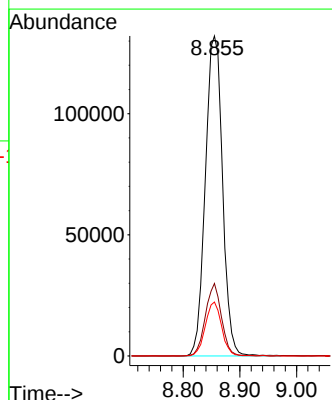
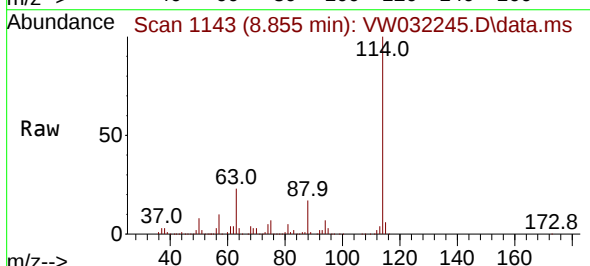
Tgt Ion: 114 Resp: 277956

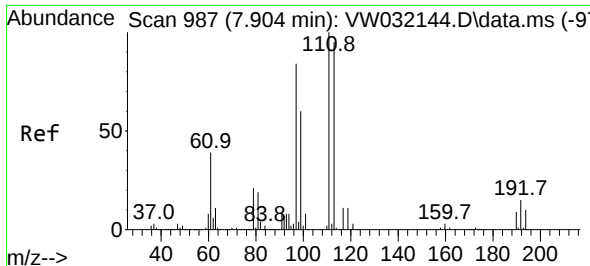
Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.4

88 16.8 0.0 32.0

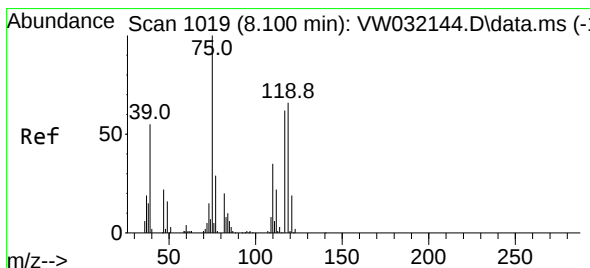
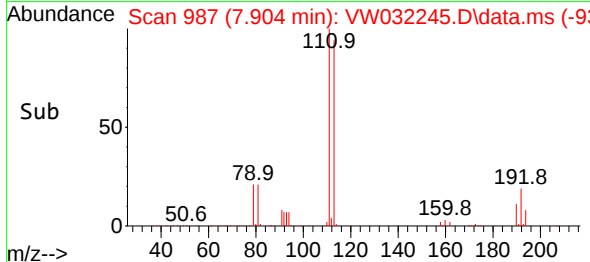
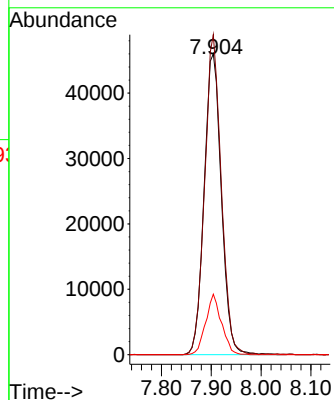
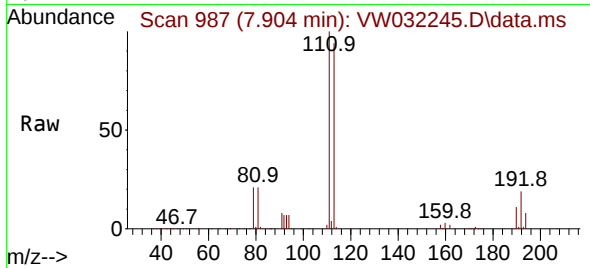




#35
 Dibromofluoromethane
 Concen: 56.513 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VW032245.D
 Acq: 24 Sep 2025 15:46

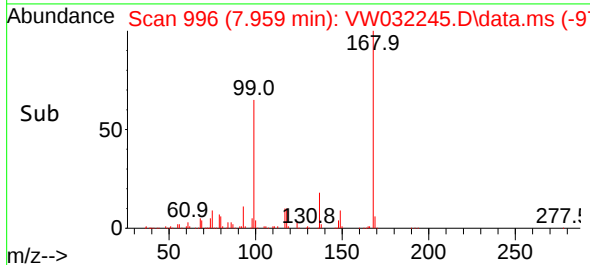
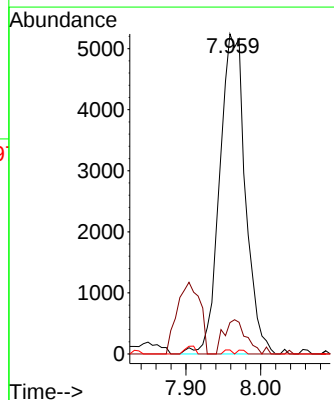
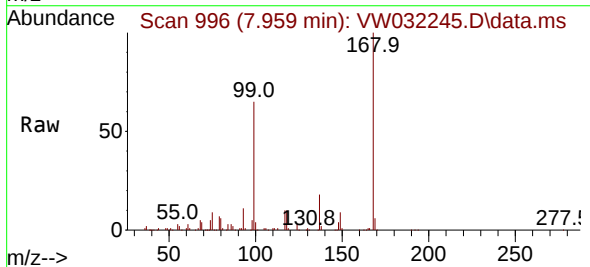
Instrument :
 MSVOA_W
 ClientSampleId :
 EME-TS12-01

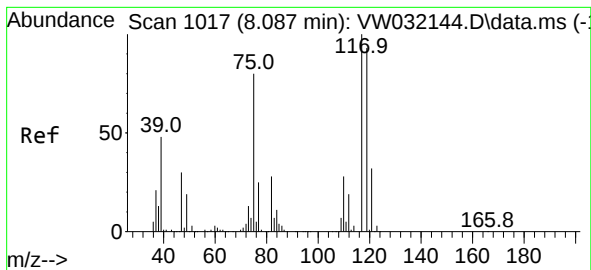
Tgt Ion:113 Resp: 110207
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.9 125.9
 192 18.5 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 4.963 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.141 min
 Lab File: VW032245.D
 Acq: 24 Sep 2025 15:46

Tgt Ion: 75 Resp: 12548
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.5 52.5#
 77 0.4 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.757 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

Lab File: VW032245.D

Acq: 24 Sep 2025 15:46

Instrument :

MSVOA_W

ClientSampleId :

EME-TS12-01

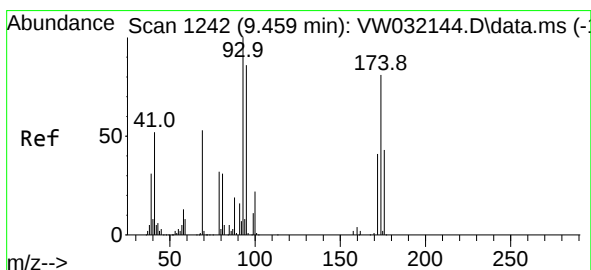
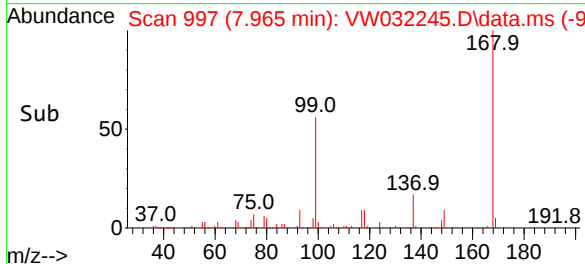
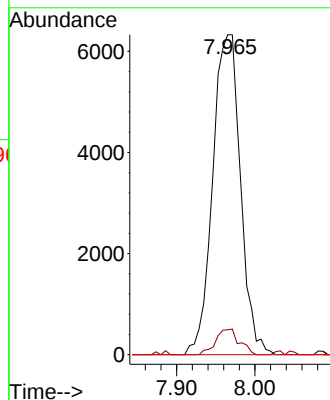
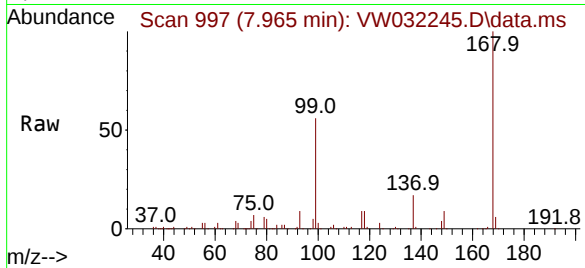
Tgt Ion:117 Resp: 15604

Ion Ratio Lower Upper

117 100

119 7.8 74.2 111.2#

121 0.0 25.6 38.4#



#49

1,4-Dioxane

Concen: 1.253 ug/l

RT: 9.434 min Scan# 1238

Delta R.T. -0.025 min

Lab File: VW032245.D

Acq: 24 Sep 2025 15:46

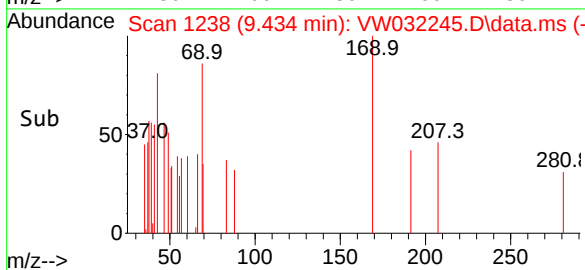
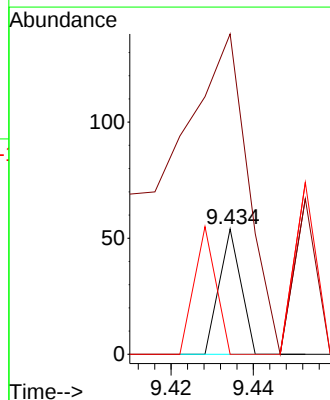
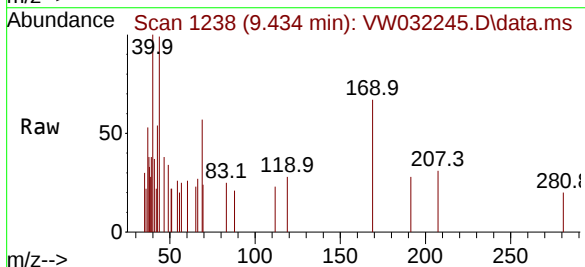
Tgt Ion: 88 Resp: 20

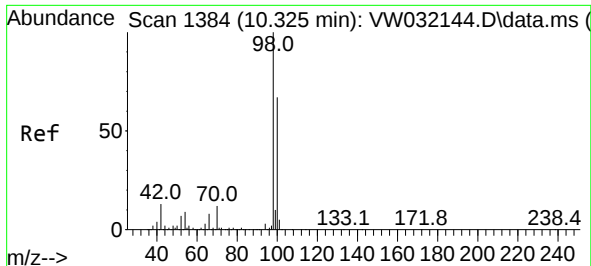
Ion Ratio Lower Upper

88 100

43 975.0 18.0 27.0#

58 100.0 55.4 83.0#

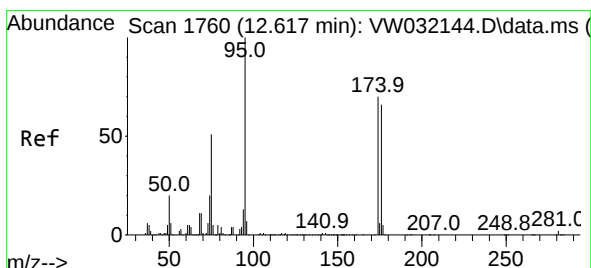
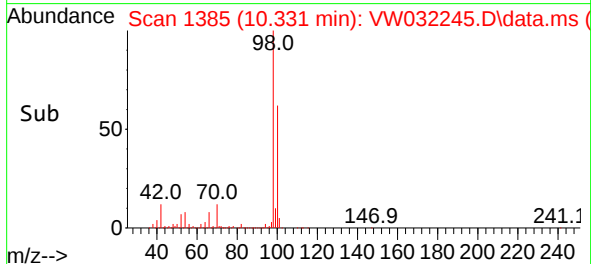
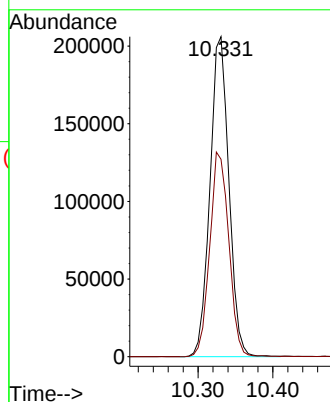
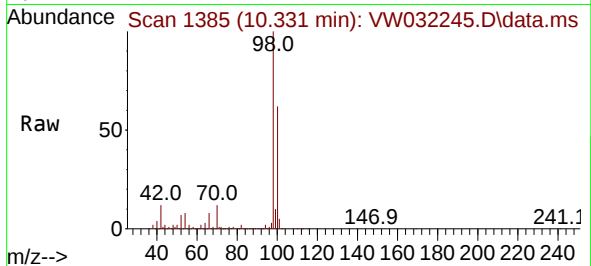




#50
Toluene-d8
Concen: 52.979 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

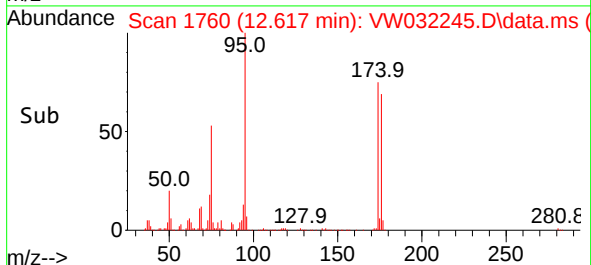
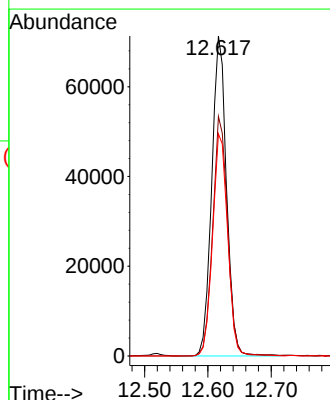
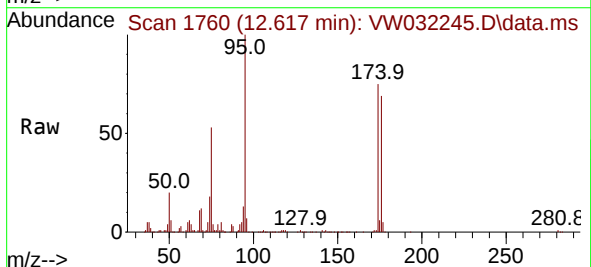
Instrument :
MSVOA_W
ClientSampleId :
EME-TS12-01

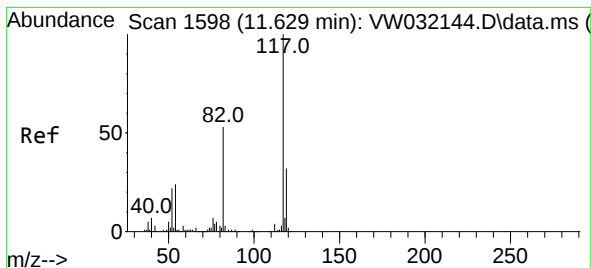
Tgt Ion: 98 Resp: 362691
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 45.760 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

Tgt Ion: 95 Resp: 115841
Ion Ratio Lower Upper
95 100
174 75.6 0.0 145.6
176 70.7 0.0 140.8

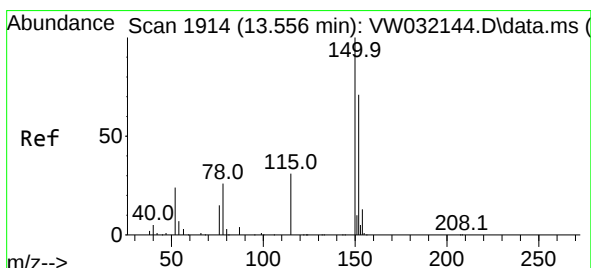
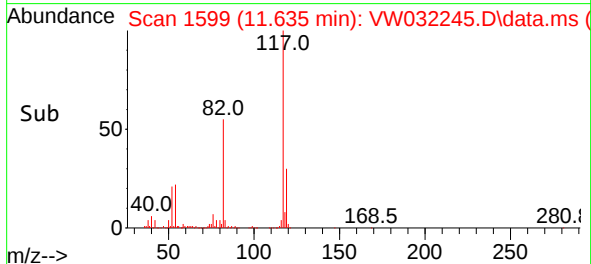
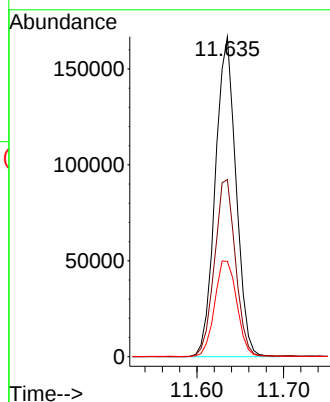
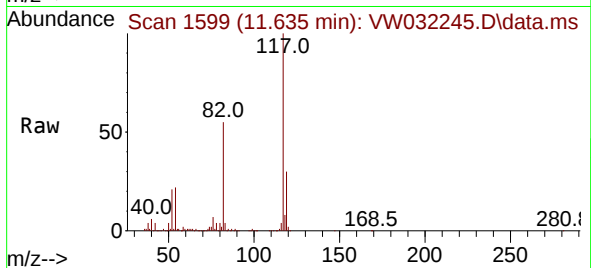




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11599
Delta R.T. 0.006 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

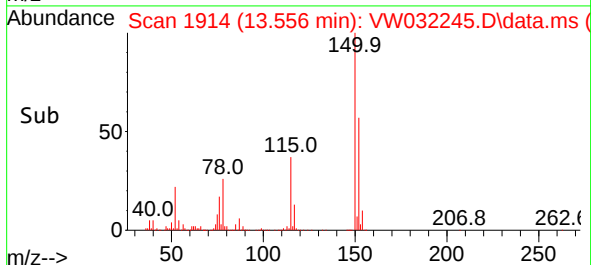
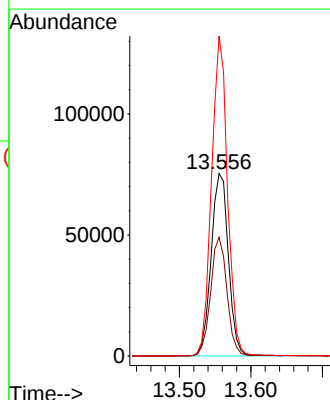
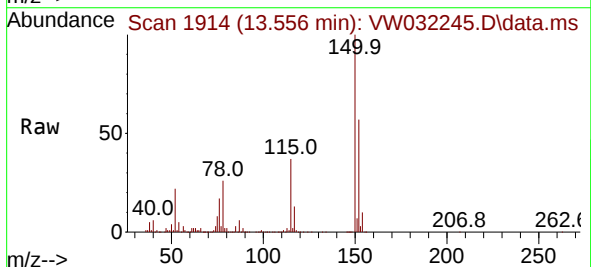
Instrument :
MSVOA_W
ClientSampleId :
EME-TS12-01

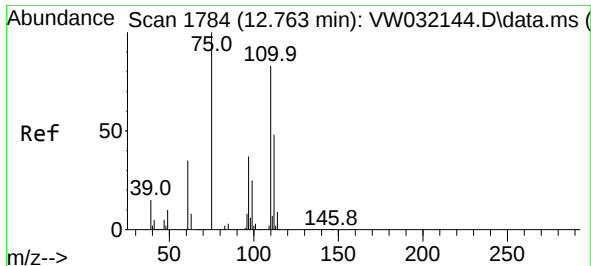
Tgt Ion:117 Resp: 277180
Ion Ratio Lower Upper
117 100
82 55.4 42.7 64.1
119 29.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

Tgt Ion:152 Resp: 126415
Ion Ratio Lower Upper
152 100
115 61.8 31.8 95.4
150 162.0 0.0 343.0

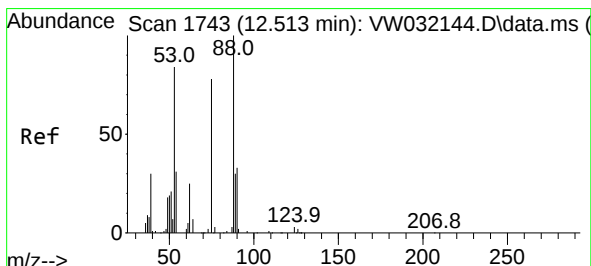
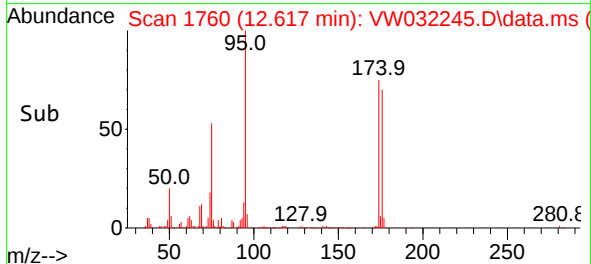
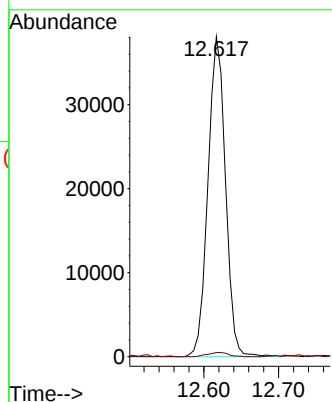
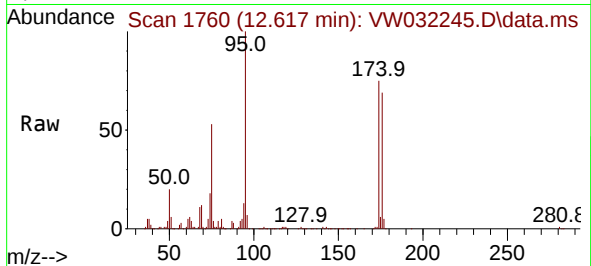




#76
1,2,3-Trichloropropane
Concen: 39.137 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

Instrument :
MSVOA_W
ClientSampleId :
EME-TS12-01

Tgt Ion: 75 Resp: 61982
Ion Ratio Lower Upper
75 100
77 1.6 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.374 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

Tgt Ion: 75 Resp: 61982
Ion Ratio Lower Upper
75 100
53 0.5 91.0 136.6#
89 0.0 39.4 59.2#

