

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032248.D
 Acq On : 24 Sep 2025 16:52
 Operator : SY/MD
 Sample : Q3178-01
 Misc : 4.57g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EME-TS14-01

Quant Time: Sep 25 08:15:46 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)

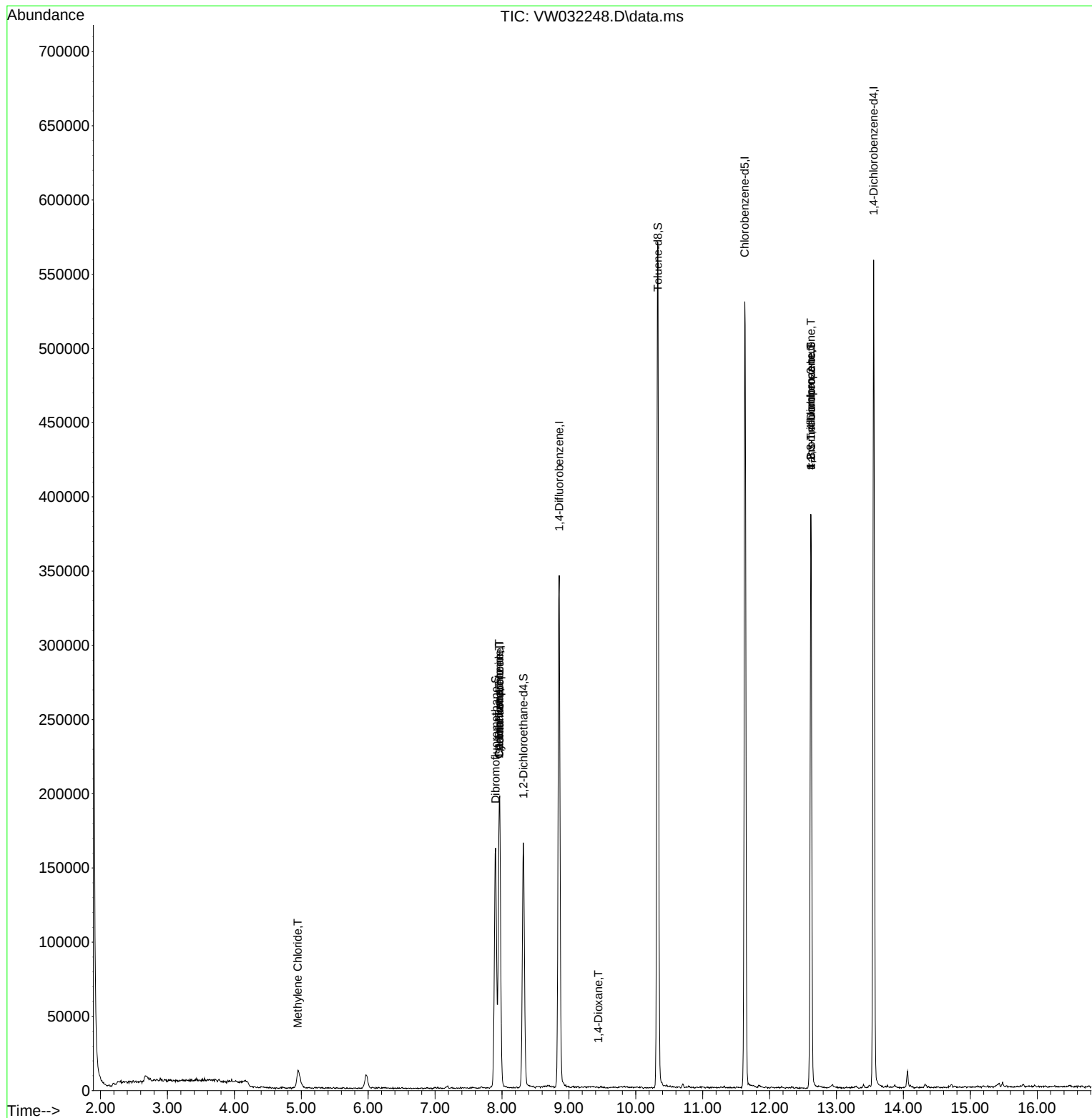
Internal Standards						
1) Pentafluorobenzene	7.965	168	146358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	286861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	284291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	137171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	135734	64.848	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 129.700%			
35) Dibromofluoromethane	7.904	113	115864	57.569	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 115.140%			
50) Toluene-d8	10.331	98	379852	53.764	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 107.520%			
62) 4-Bromofluorobenzene	12.617	95	126755	48.517	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 97.040%			
Target Compounds						Qvalue
20) Methylene Chloride	4.948	84	10443	2.024	ug/l	96
31) Cyclohexane	7.959	56	3710	1.444	ug/l #	20
36) 1,1-Dichloropropene	7.959	75	12096	4.635	ug/l #	53
38) Carbon Tetrachloride	7.959	117	16594	5.932	ug/l #	18
49) 1,4-Dioxane	9.441	88	44	2.670	ug/l #	71
76) 1,2,3-Trichloropropane	12.617	75	67753	39.426	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	67753	106.153	ug/l #	5

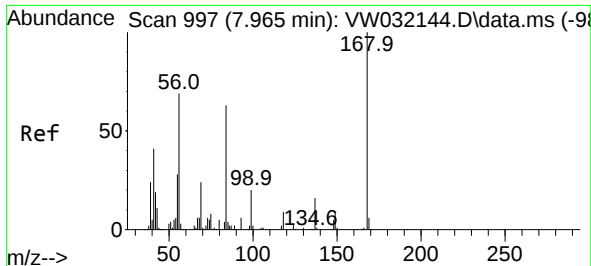
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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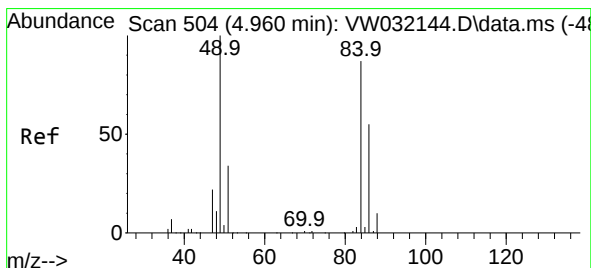
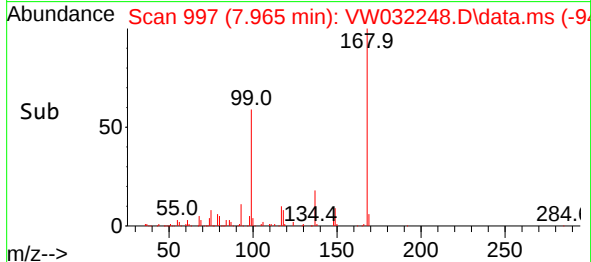
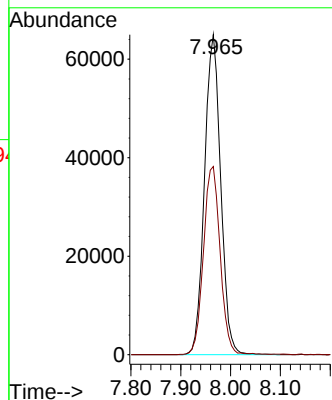
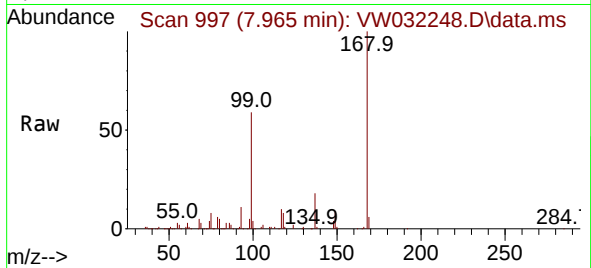




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032248.D
Acq: 24 Sep 2025 16:52

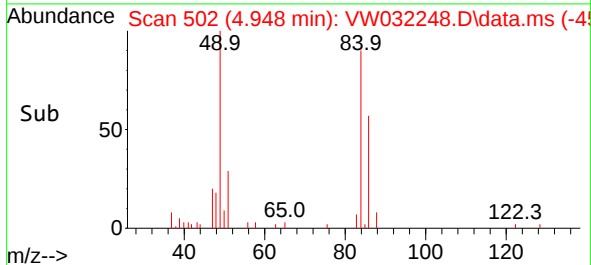
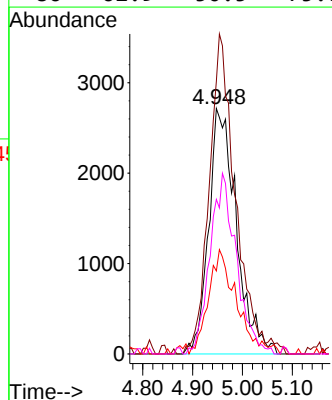
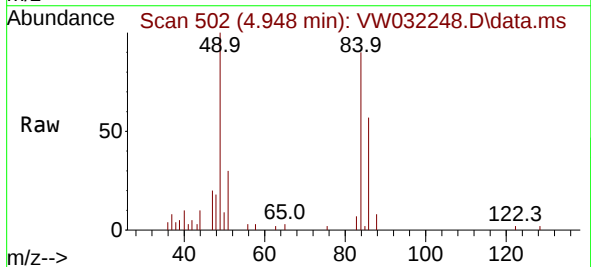
Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-01

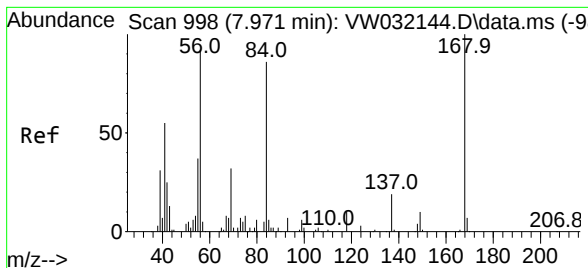
Tgt Ion:168 Resp: 146358
Ion Ratio Lower Upper
168 100
99 58.7 49.3 73.9



#20
Methylene Chloride
Concen: 2.024 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032248.D
Acq: 24 Sep 2025 16:52

Tgt Ion: 84 Resp: 10443
Ion Ratio Lower Upper
84 100
49 111.0 92.2 138.4
51 33.8 31.0 46.6
86 62.9 50.5 75.7

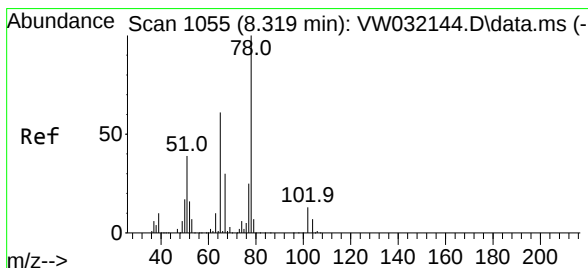
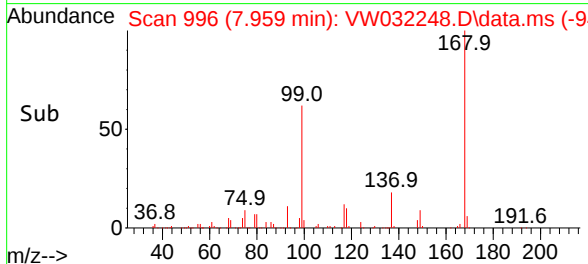
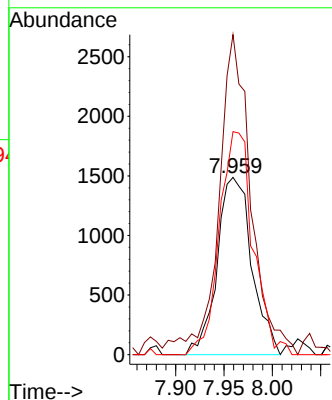
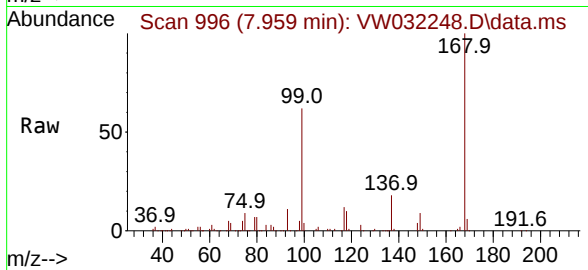




#31
Cyclohexane
Concen: 1.444 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032248.D
Acq: 24 Sep 2025 16:52

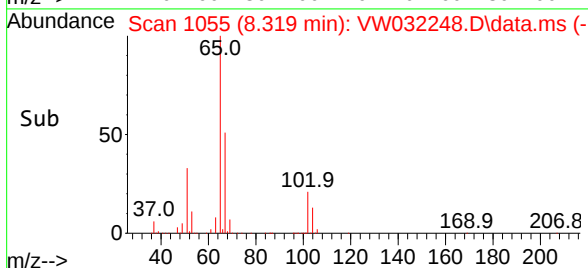
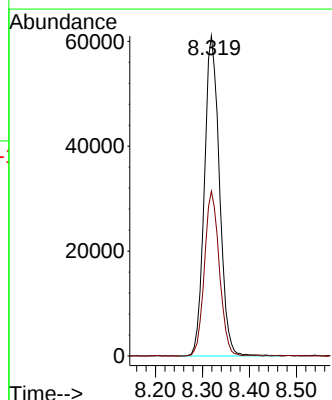
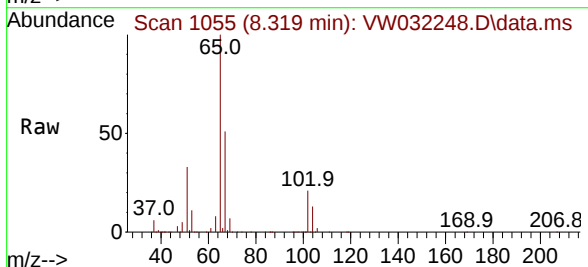
Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-01

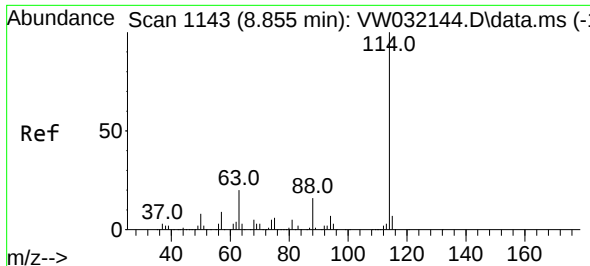
Tgt Ion: 56 Resp: 3710
Ion Ratio Lower Upper
56 100
69 162.4 27.7 41.5#
84 119.5 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 64.848 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032248.D
Acq: 24 Sep 2025 16:52

Tgt Ion: 65 Resp: 135734
Ion Ratio Lower Upper
65 100
67 50.8 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: VW032248.D

Acq: 24 Sep 2025 16:52

Instrument :

MSVOA_W

ClientSampleId :

EME-TS14-01

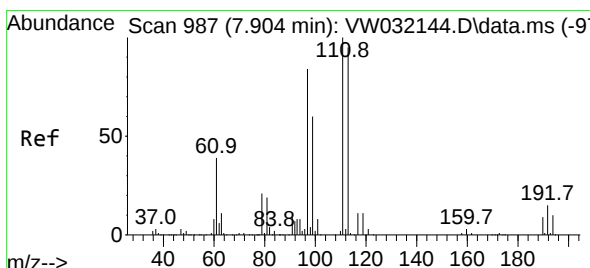
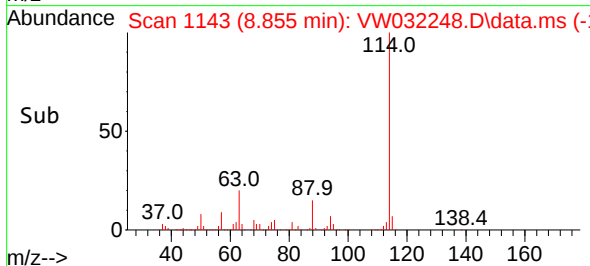
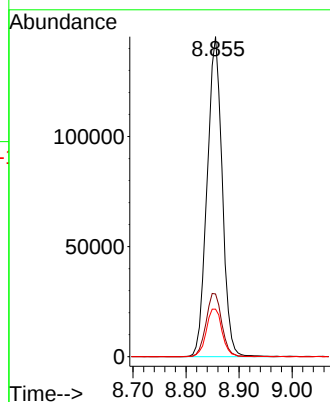
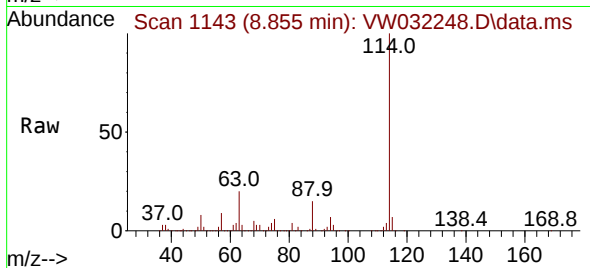
Tgt Ion:114 Resp: 286861

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.4

88 14.9 0.0 32.0



#35

Dibromofluoromethane

Concen: 57.569 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032248.D

Acq: 24 Sep 2025 16:52

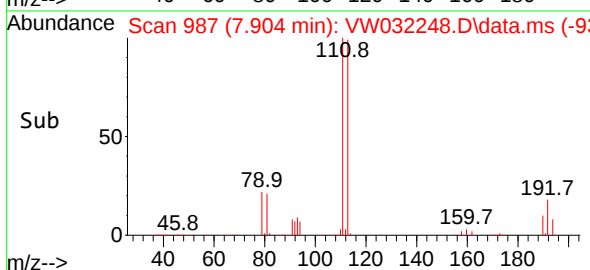
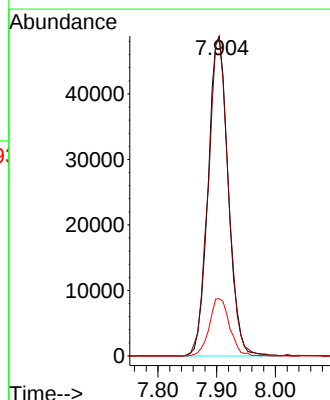
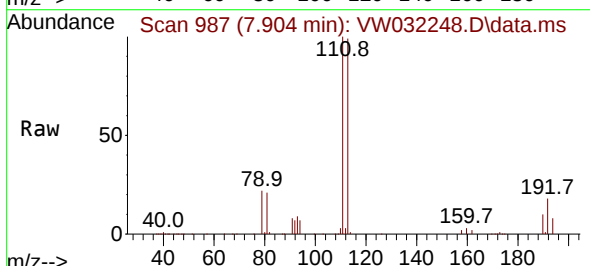
Tgt Ion:113 Resp: 115864

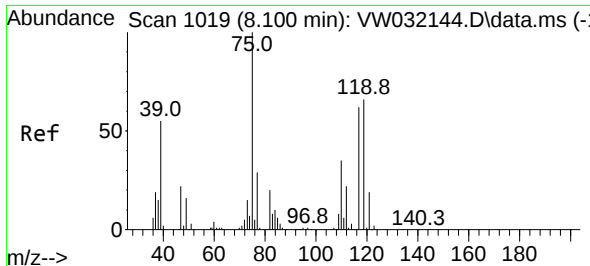
Ion Ratio Lower Upper

113 100

111 99.9 83.9 125.9

192 18.2 14.6 21.8

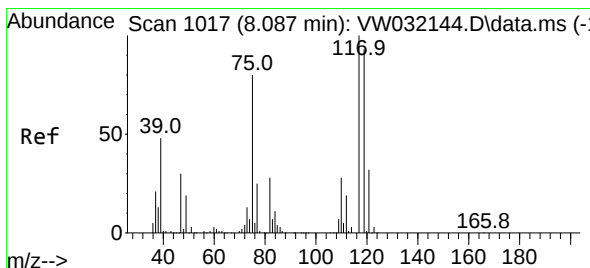
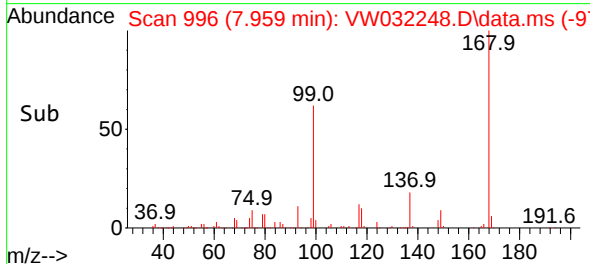
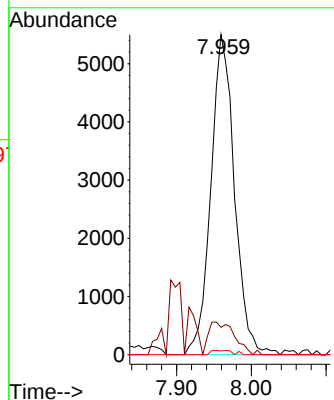
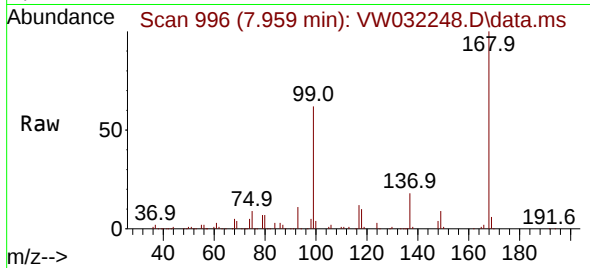




#36
 1,1-Dichloropropene
 Concen: 4.635 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032248.D
 Acq: 24 Sep 2025 16:52

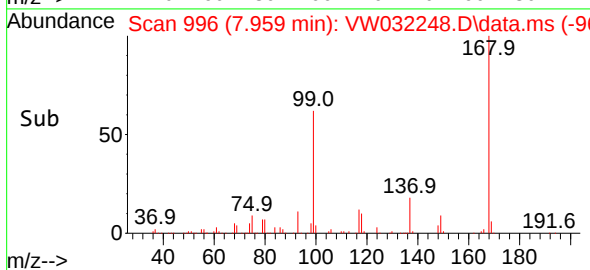
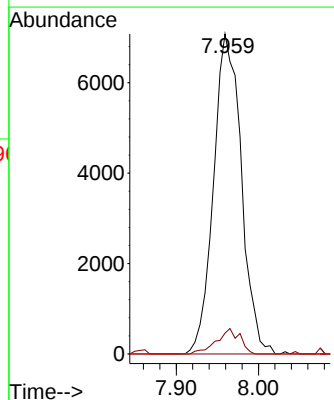
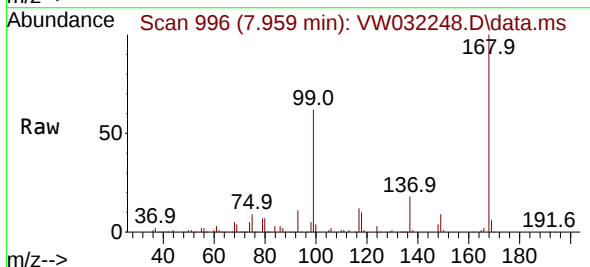
Instrument :
 MSVOA_W
 ClientSampleId :
 EME-TS14-01

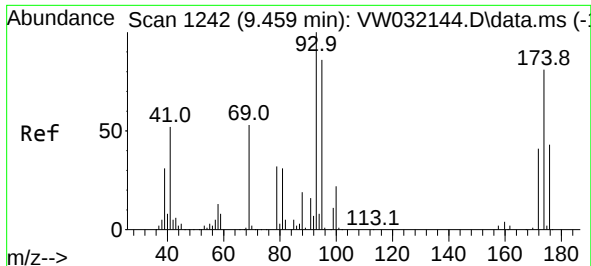
Tgt Ion: 75 Resp: 12096
 Ion Ratio Lower Upper
 75 100
 110 11.3 17.5 52.5#
 77 1.2 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.932 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.128 min
 Lab File: VW032248.D
 Acq: 24 Sep 2025 16:52

Tgt Ion: 117 Resp: 16594
 Ion Ratio Lower Upper
 117 100
 119 6.5 74.2 111.2#
 121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 2.670 ug/l

RT: 9.441 min Scan# 1

Delta R.T. -0.018 min

Lab File: VW032248.D

Acq: 24 Sep 2025 16:52

Instrument :

MSVOA_W

ClientSampleId :

EME-TS14-01

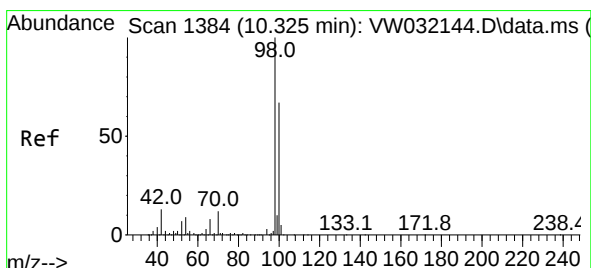
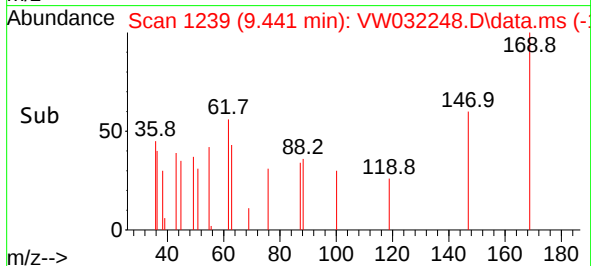
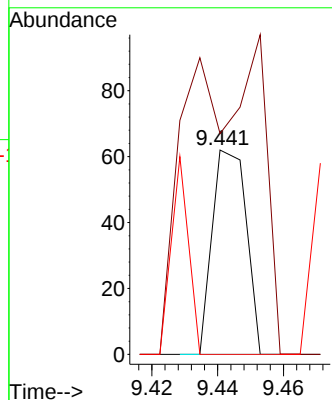
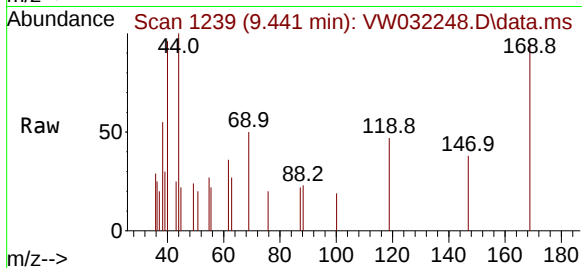
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 0.0 18.0 27.0#

58 50.0 55.4 83.0#



#50

Toluene-d8

Concen: 53.764 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032248.D

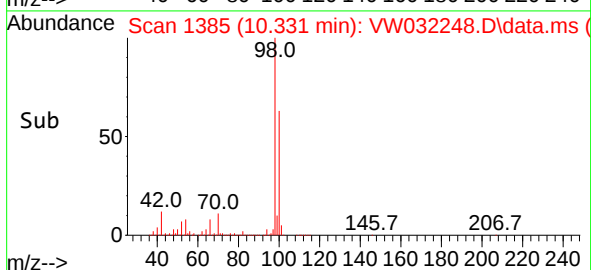
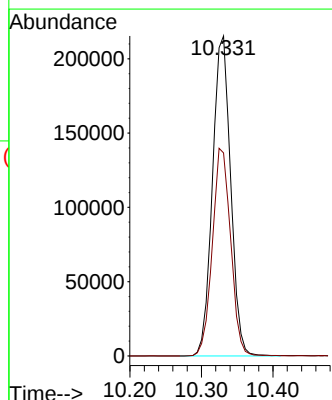
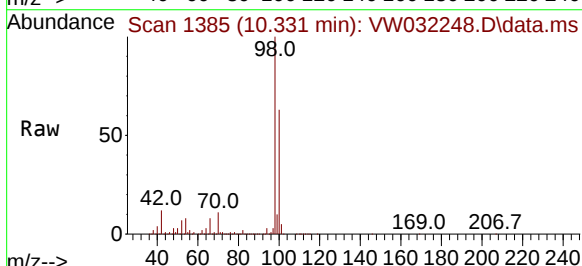
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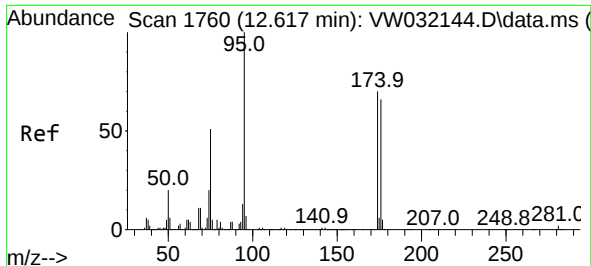
Tgt Ion: 98 Resp: 379852

Ion Ratio Lower Upper

98 100

100 65.5 51.4 77.2

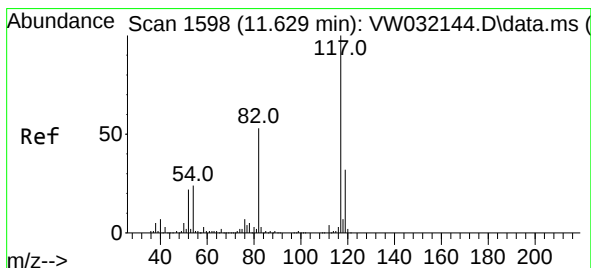
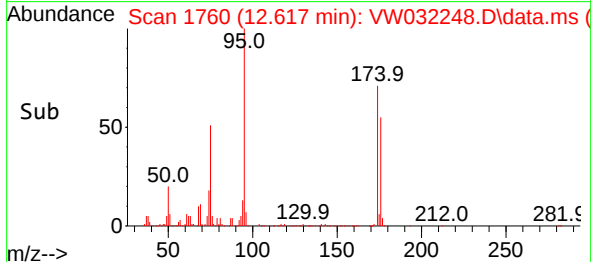
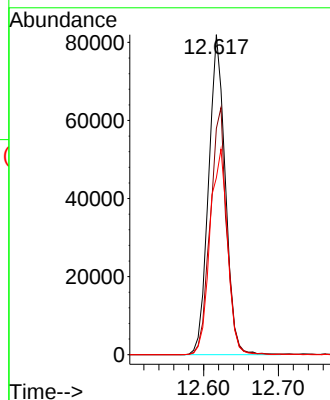
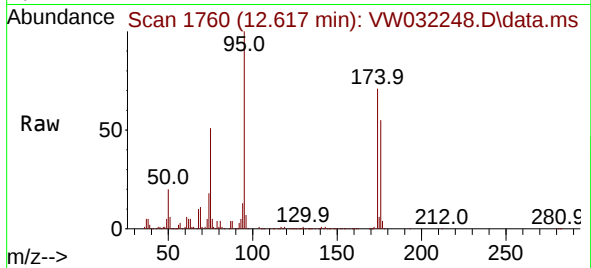




#62
4-Bromofluorobenzene
Concen: 48.517 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032248.D
Acq: 24 Sep 2025 16:52

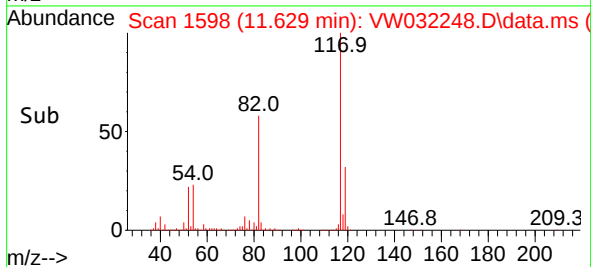
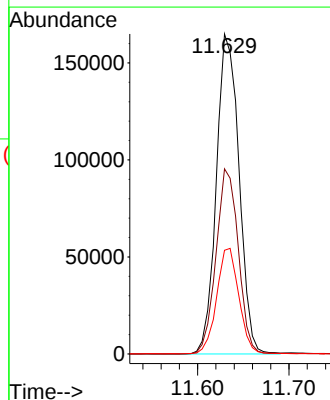
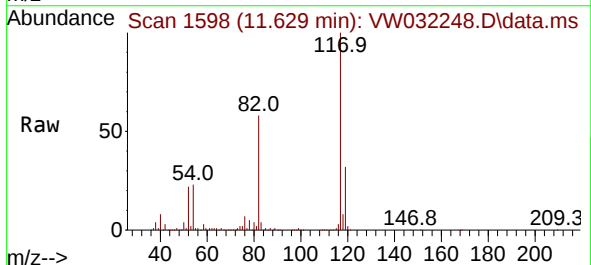
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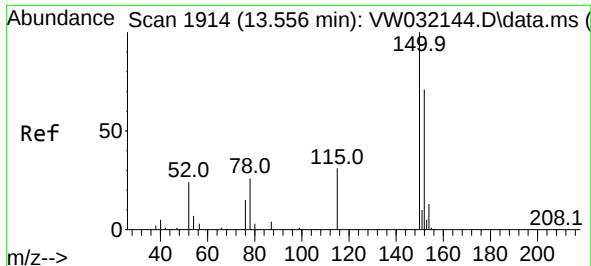
Tgt Ion: 95 Resp: 126755
Ion Ratio Lower Upper
95 100
174 76.7 0.0 145.6
176 68.0 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032248.D
Acq: 24 Sep 2025 16:52

Tgt Ion: 117 Resp: 284291
Ion Ratio Lower Upper
117 100
82 57.9 42.7 64.1
119 32.3 25.2 37.8

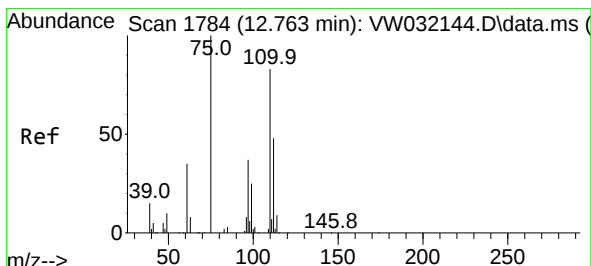
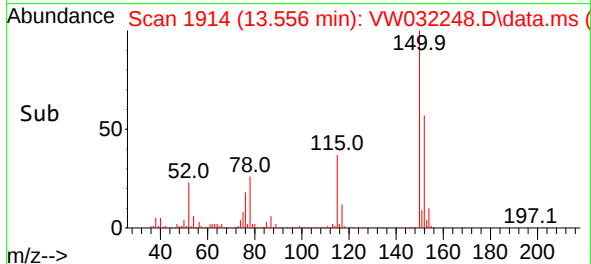
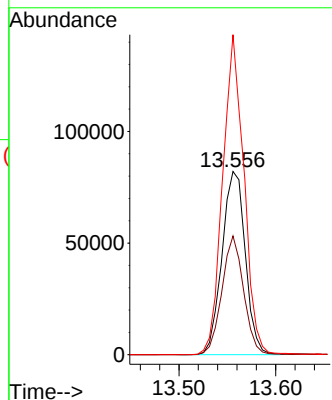
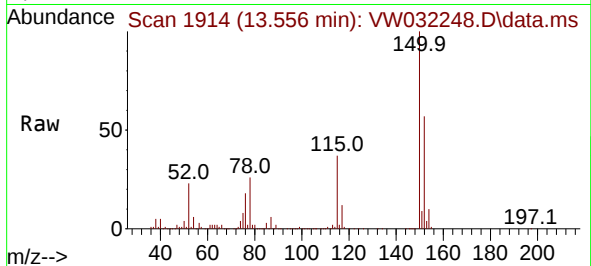




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032248.D
Acq: 24 Sep 2025 16:52

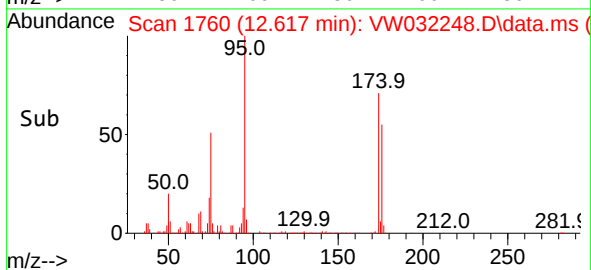
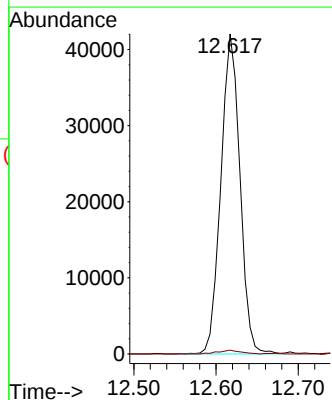
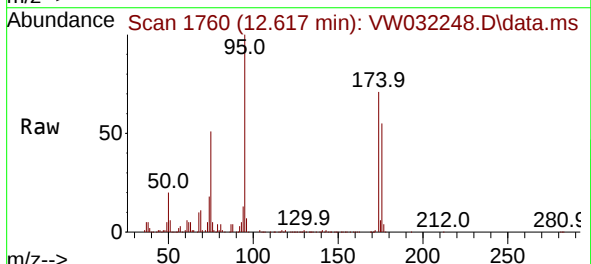
Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-01

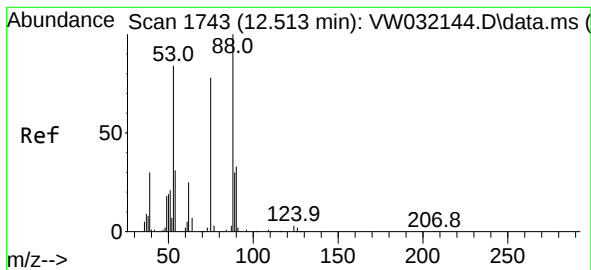
Tgt Ion:152 Resp: 137171
Ion Ratio Lower Upper
152 100
115 60.4 31.8 95.4
150 159.5 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 39.426 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032248.D
Acq: 24 Sep 2025 16:52

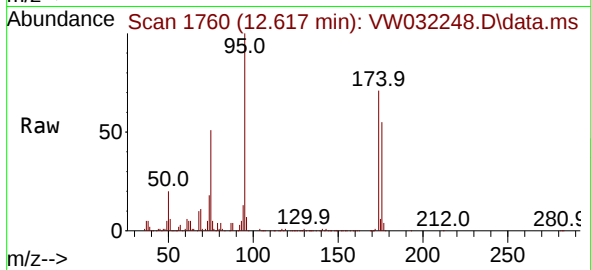
Tgt Ion: 75 Resp: 67753
Ion Ratio Lower Upper
75 100
77 1.4 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.153 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032248.D
 Acq: 24 Sep 2025 16:52

Instrument :
 MSVOA_W
 ClientSampleId :
 EME-TS14-01



Tgt Ion: 75 Resp: 67753
 Ion Ratio Lower Upper
 75 100
 53 0.0 91.0 136.6#
 89 0.0 39.4 59.2#

