

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
 Data File : VW032196.D
 Acq On : 18 Sep 2025 12:04
 Operator : SY/MD
 Sample : Q3118-01RE
 Misc : 5.08g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-091625RE

Quant Time: Sep 19 04:33:33 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)

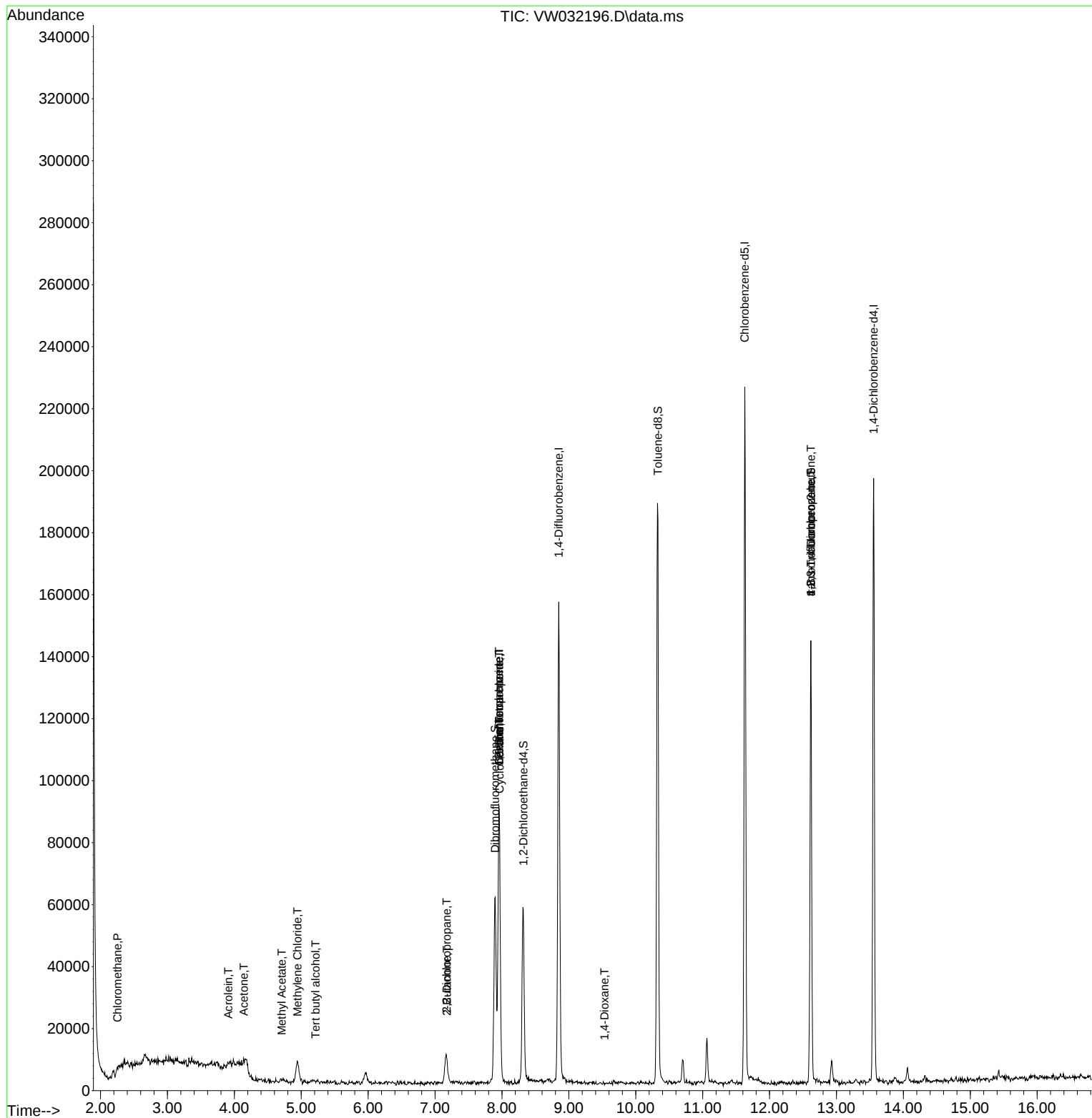
Internal Standards						
1) Pentafluorobenzene	7.953	168	60924	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	126873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	114259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	49578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	46374	53.224	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	106.440%	
35) Dibromofluoromethane	7.898	113	41943	47.120	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	94.240%	
50) Toluene-d8	10.331	98	128179	41.020	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	82.040%	
62) 4-Bromofluorobenzene	12.617	95	43700	37.819	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	75.640%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.253	50	517	1.226	ug/l	94
11) Tert butyl alcohol	5.216	59	402	7.543	ug/l #	89
13) Acrolein	3.911	56	148	1.807	ug/l #	46
16) Acetone	4.143	43	3049	16.158	ug/l	90
18) Methyl Acetate	4.710	43	837	1.392	ug/l	96
20) Methylene Chloride	4.942	84	5413	3.461	ug/l	91
25) 2-Butanone	7.179	43	712	2.663	ug/l #	65
26) 2,2-Dichloropropane	7.173	77	823	1.193	ug/l #	52
31) Cyclohexane	7.965	56	2188	2.046	ug/l #	46
36) 1,1-Dichloropropene	7.959	75	6360	5.511	ug/l #	54
38) Carbon Tetrachloride	7.959	117	7357	5.946	ug/l #	18
49) 1,4-Dioxane	9.532	88	59	8.095	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	24863	40.030	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	24863	107.779	ug/l #	5

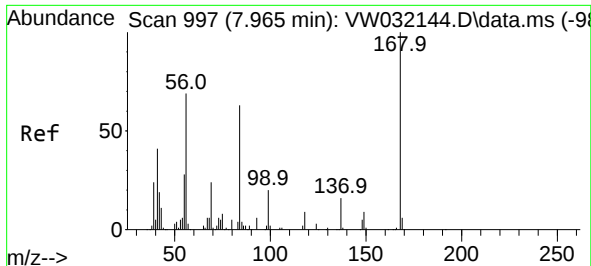
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
Data File : VW032196.D
Acq On : 18 Sep 2025 12:04
Operator : SY/MD
Sample : Q3118-01RE
Misc : 5.08g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EO-01-091625RE

Quant Time: Sep 19 04:33:33 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

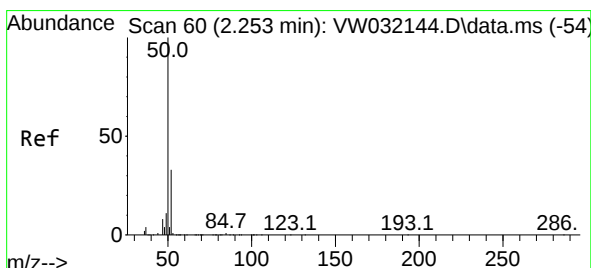
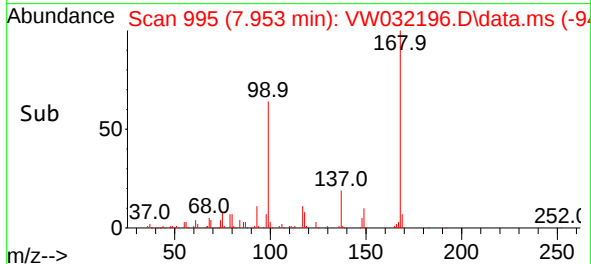
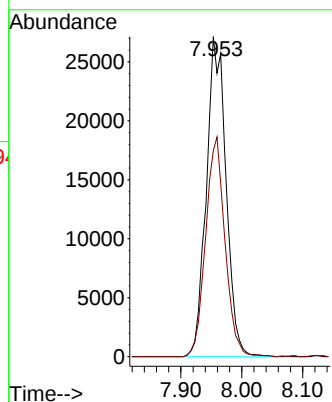
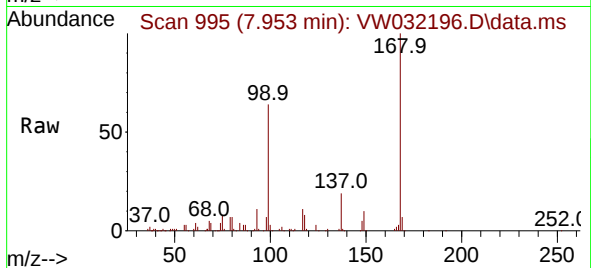




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 99
Delta R.T. -0.012 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

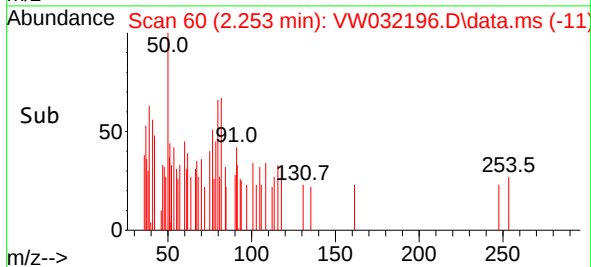
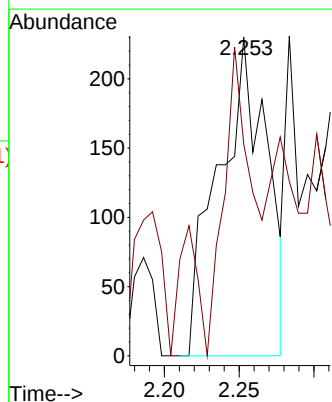
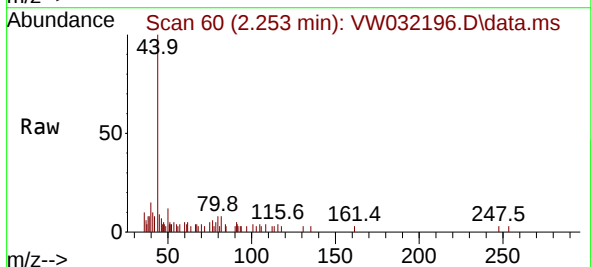
Instrument :
MSVOA_W
ClientSampleId :
EO-01-091625RE

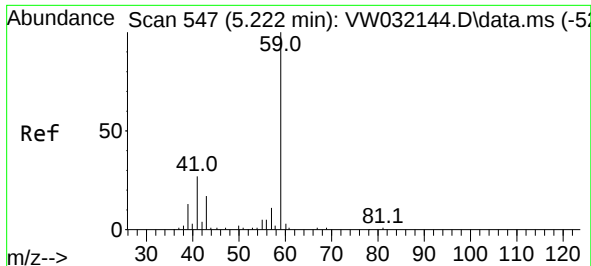
Tgt Ion:168 Resp: 60924
Ion Ratio Lower Upper
168 100
99 64.4 49.3 73.9



#3
Chloromethane
Concen: 1.226 ug/l
RT: 2.253 min Scan# 60
Delta R.T. 0.000 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

Tgt Ion: 50 Resp: 517
Ion Ratio Lower Upper
50 100
52 36.1 26.1 39.1

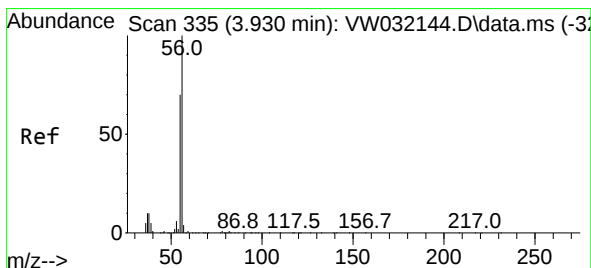
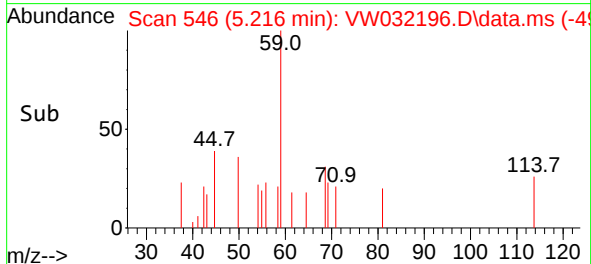
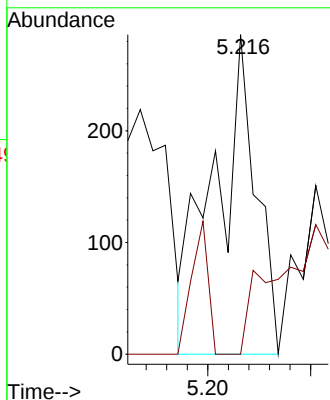
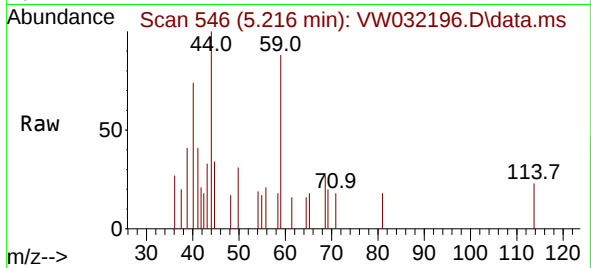




#11
Tert butyl alcohol
Concen: 7.543 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

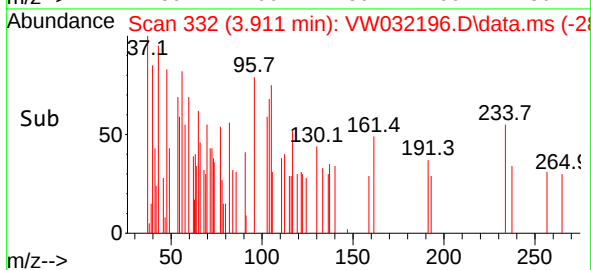
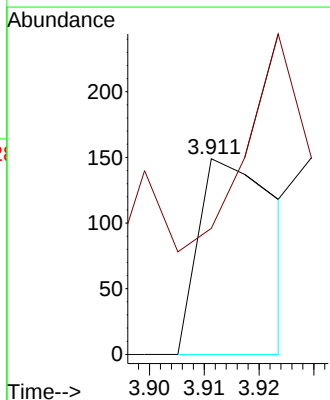
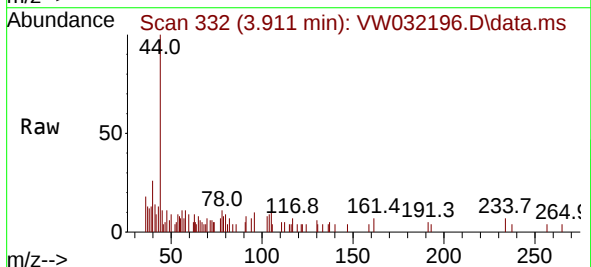
Instrument :
MSVOA_W
ClientSampleId :
EO-01-091625RE

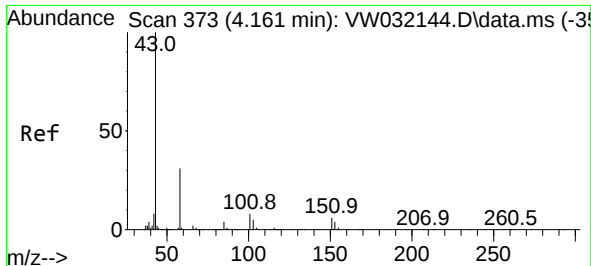
Tgt Ion: 59 Resp: 402
Ion Ratio Lower Upper
59 100
57 16.7 9.8 14.6#



#13
Acrolein
Concen: 1.807 ug/l
RT: 3.911 min Scan# 332
Delta R.T. -0.018 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

Tgt Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
55 114.9 56.4 84.6#

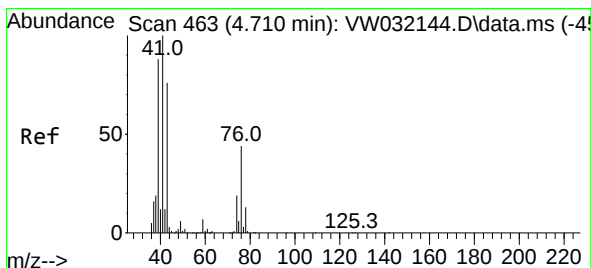
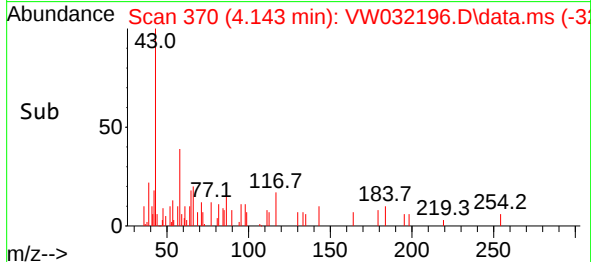
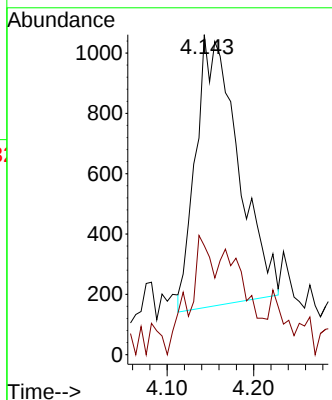
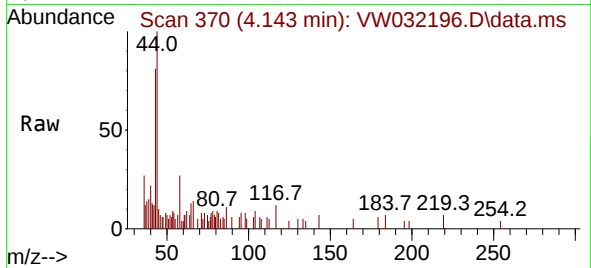




#16
Acetone
Concen: 16.158 ug/l
RT: 4.143 min Scan# 373
Delta R.T. -0.018 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

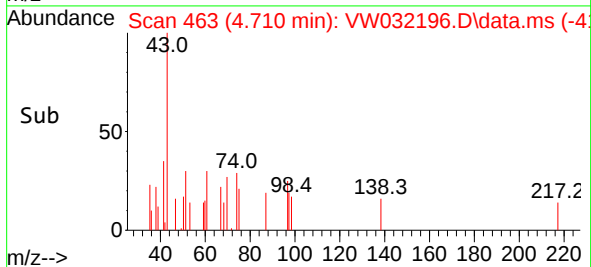
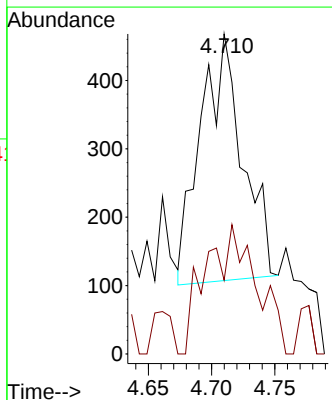
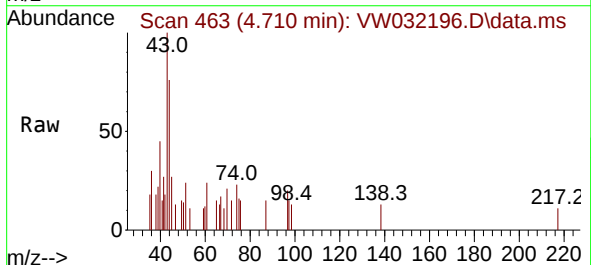
Instrument :
MSVOA_W
ClientSampleId :
EO-01-091625RE

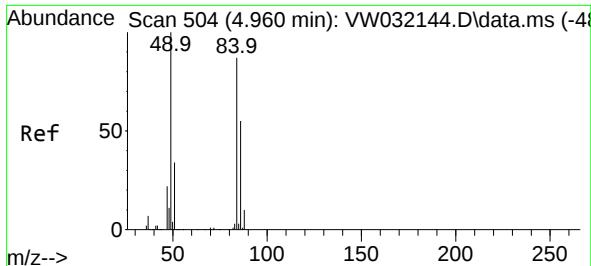
Tgt Ion: 43 Resp: 3049
Ion Ratio Lower Upper
43 100
58 26.0 25.3 37.9



#18
Methyl Acetate
Concen: 1.392 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

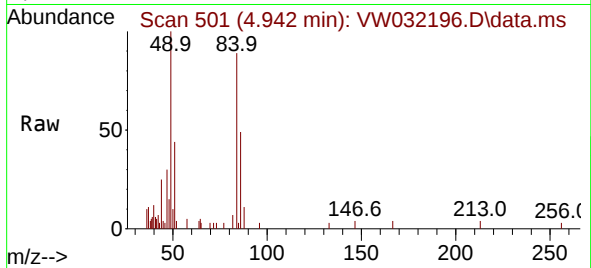
Tgt Ion: 43 Resp: 837
Ion Ratio Lower Upper
43 100
74 27.5 20.2 30.4



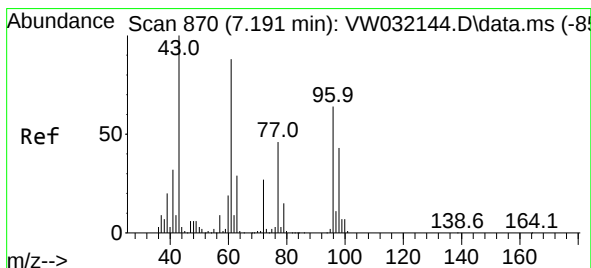
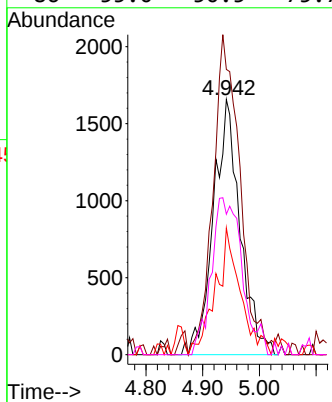
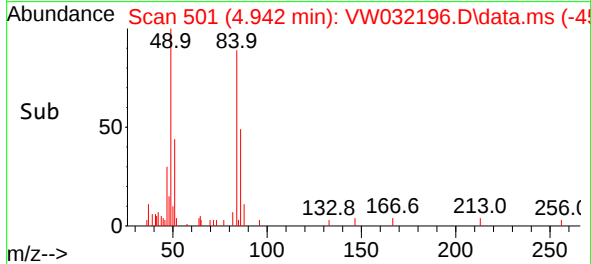


#20
Methylene Chloride
Concen: 3.461 ug/l
RT: 4.942 min Scan# 504
Delta R.T. -0.018 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

Instrument :
MSVOA_W
ClientSampleId :
EO-01-091625RE

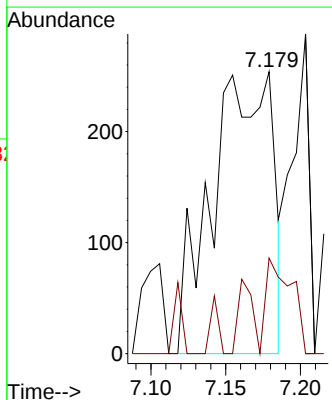
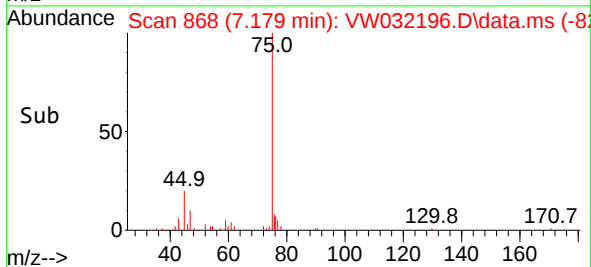
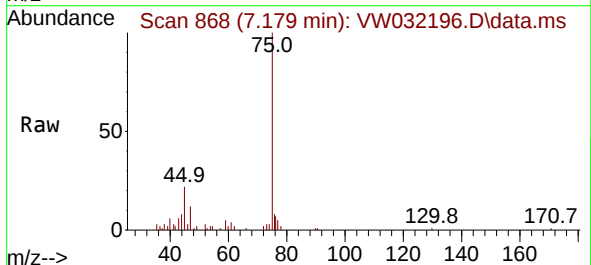


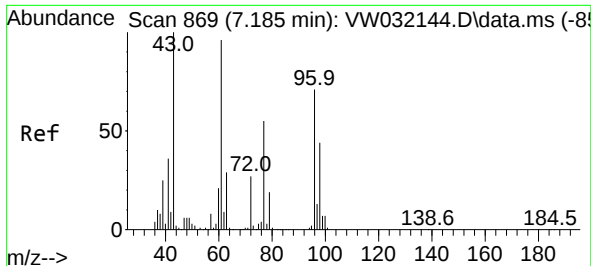
Tgt Ion: 84	Resp: 5413
Ion Ratio	Lower Upper
84 100	
49 108.0	92.2 138.4
51 46.4	31.0 46.6
86 55.0	50.5 75.7



#25
2-Butanone
Concen: 2.663 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

Tgt Ion: 43	Resp: 712		
Ion Ratio	Lower	Upper	
43 100			
72 8.7	21.4	32.2#	

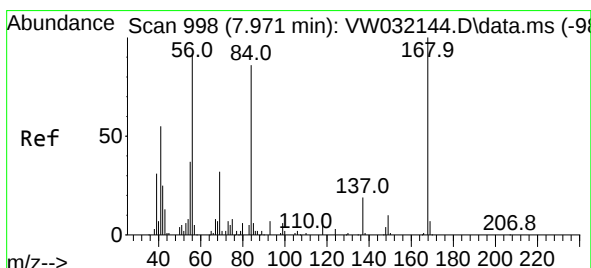
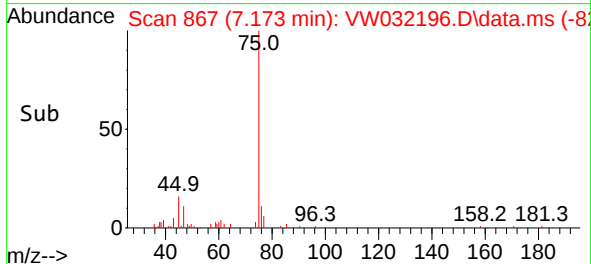
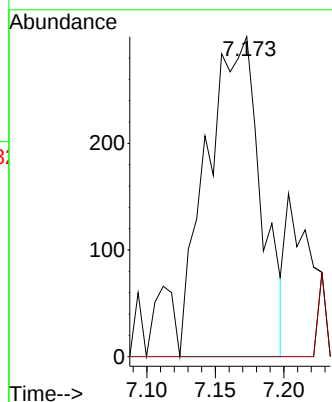
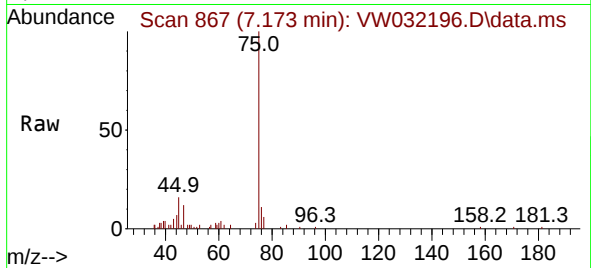




#26
2,2-Dichloropropane
Concen: 1.193 ug/l
RT: 7.173 min Scan# 80
Delta R.T. -0.012 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

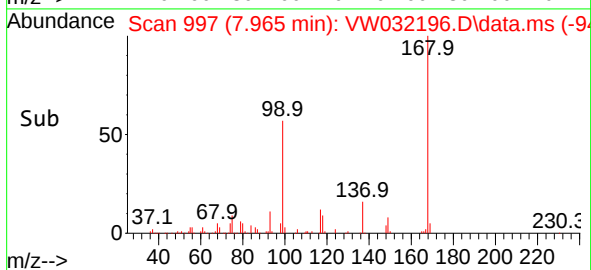
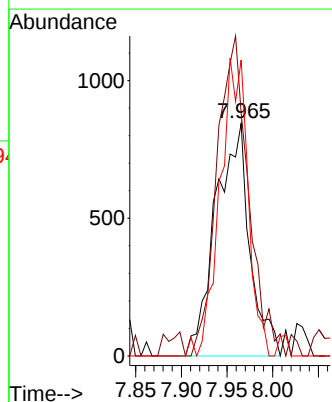
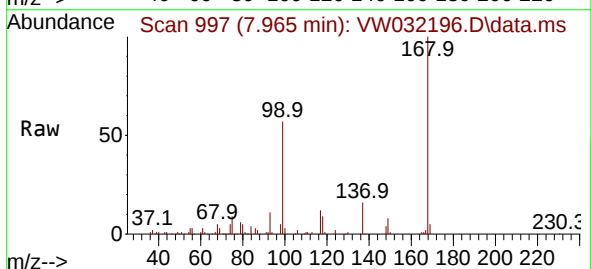
Instrument :
MSVOA_W
ClientSampleId :
EO-01-091625RE

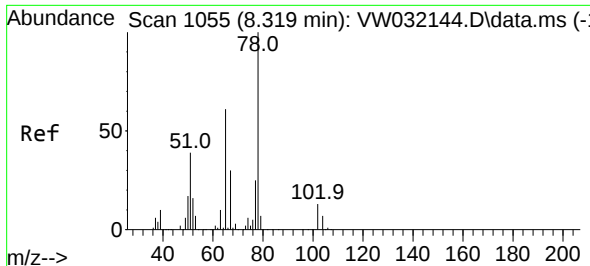
Tgt Ion: 77 Resp: 823
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#



#31
Cyclohexane
Concen: 2.046 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

Tgt Ion: 56 Resp: 2188
Ion Ratio Lower Upper
56 100
69 94.9 27.7 41.5#
84 127.2 74.6 112.0#





#33

1,2-Dichloroethane-d4

Concen: 53.224 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032196.D

Acq: 18 Sep 2025 12:04

Instrument :

MSVOA_W

ClientSampleId :

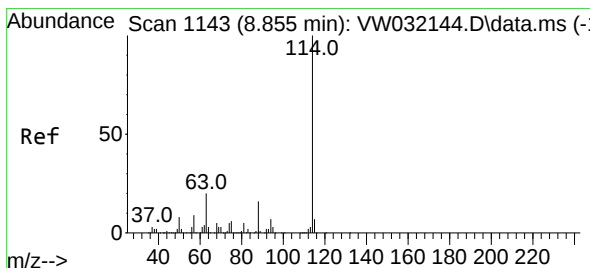
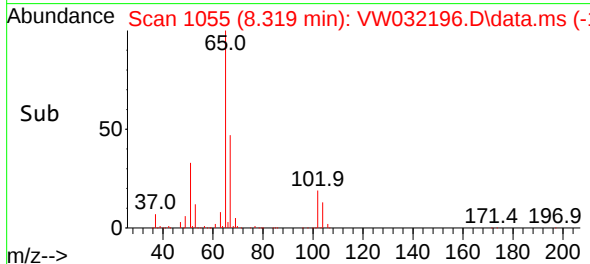
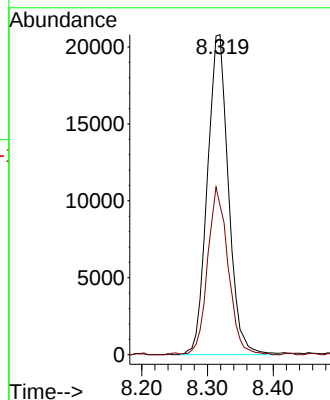
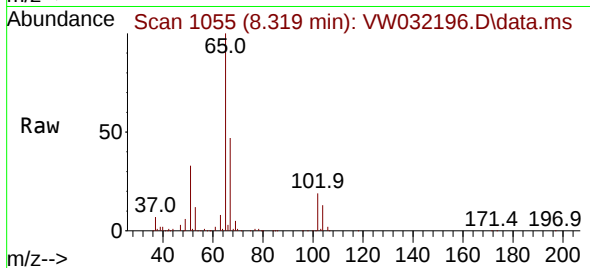
EO-01-091625RE

Tgt Ion: 65 Resp: 46374

Ion Ratio Lower Upper

65 100

67 50.9 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032196.D

Acq: 18 Sep 2025 12:04

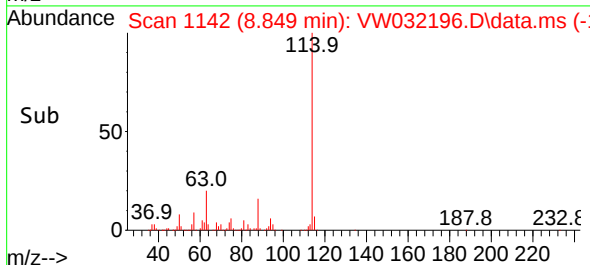
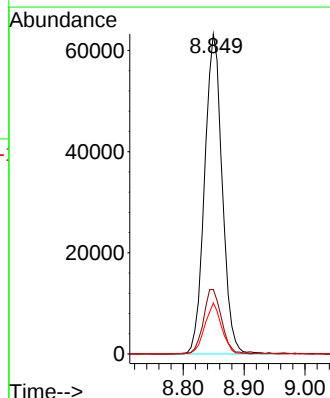
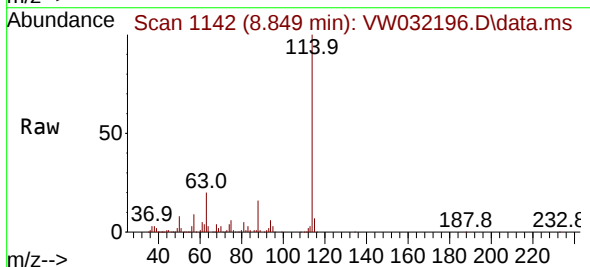
Tgt Ion: 114 Resp: 126873

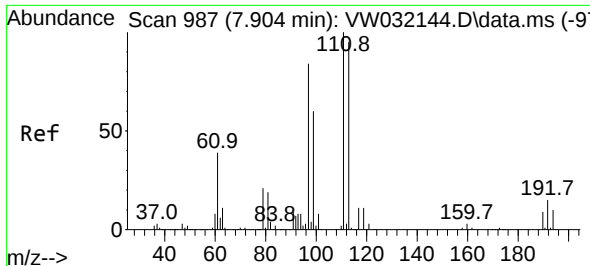
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.4

88 16.0 0.0 32.0

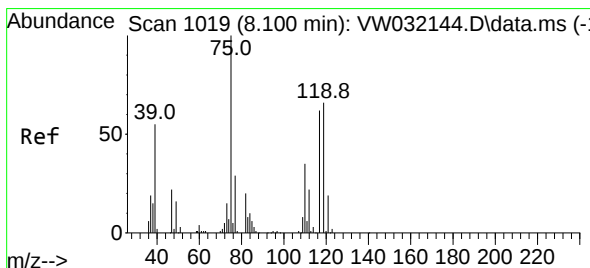
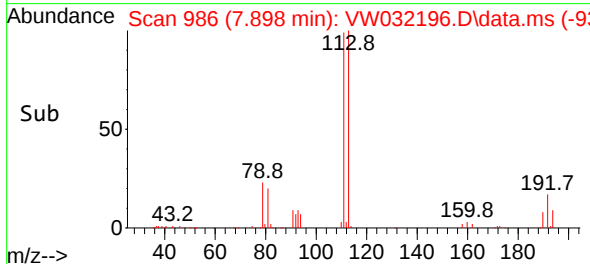
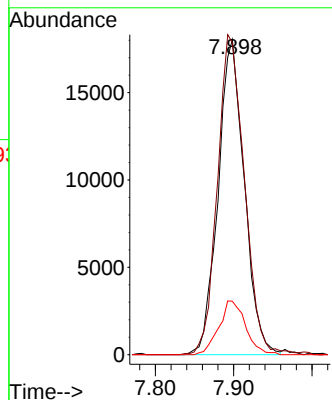
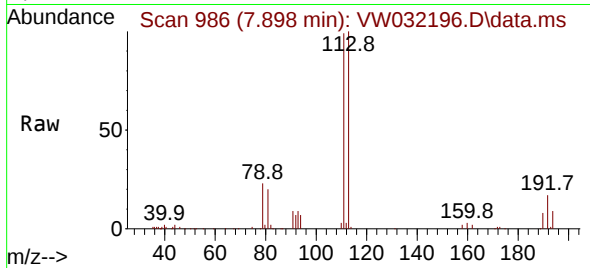




#35
Dibromofluoromethane
Concen: 47.120 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

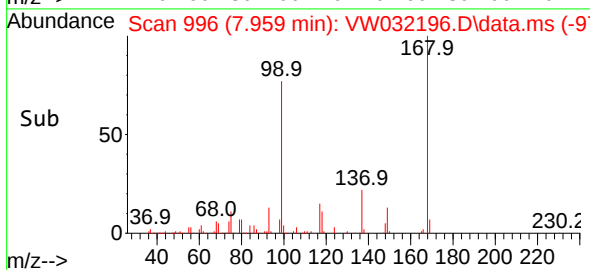
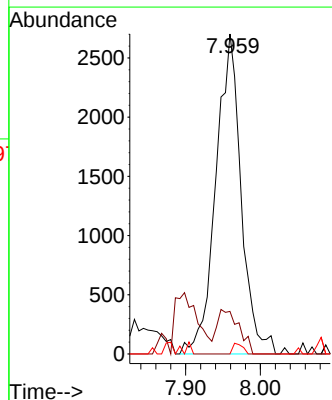
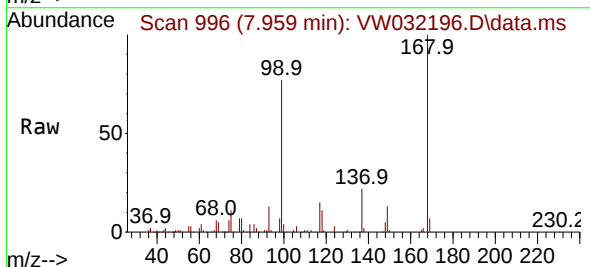
Instrument :
MSVOA_W
ClientSampleId :
EO-01-091625RE

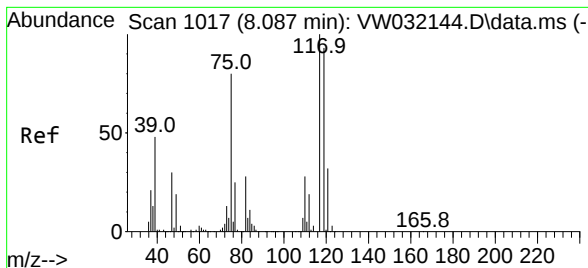
Tgt Ion:113 Resp: 41943
Ion Ratio Lower Upper
113 100
111 104.8 83.9 125.9
192 17.4 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.511 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

Tgt Ion: 75 Resp: 6360
Ion Ratio Lower Upper
75 100
110 12.0 17.5 52.5#
77 1.3 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.946 ug/l

RT: 7.959 min Scan# 91

Delta R.T. -0.128 min

Lab File: VW032196.D

Acq: 18 Sep 2025 12:04

Instrument :

MSVOA_W

ClientSampleId :

EO-01-091625RE

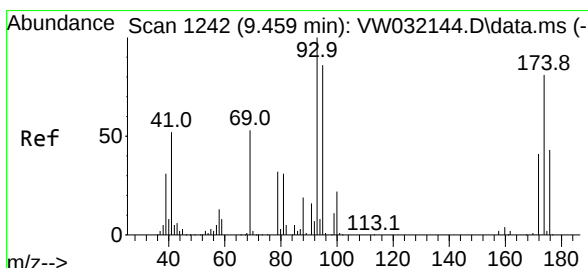
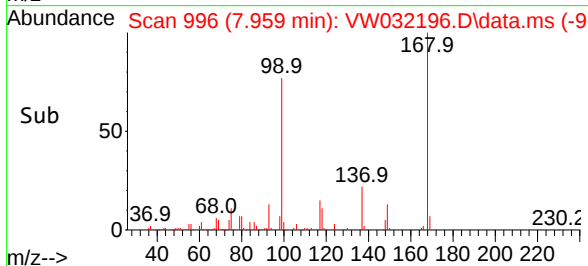
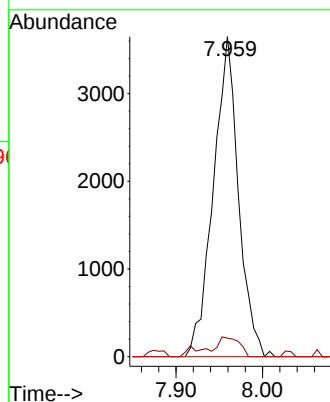
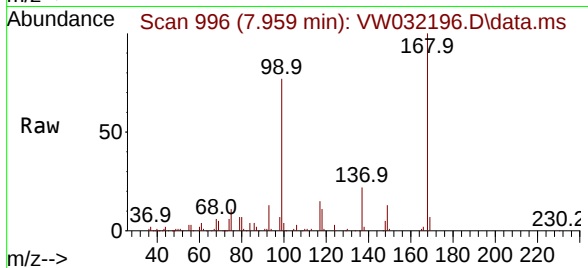
Tgt Ion:117 Resp: 7357

Ion Ratio Lower Upper

117 100

119 5.8 74.2 111.2#

121 0.0 25.6 38.4#



#49

1,4-Dioxane

Concen: 8.095 ug/l

RT: 9.532 min Scan# 1254

Delta R.T. 0.073 min

Lab File: VW032196.D

Acq: 18 Sep 2025 12:04

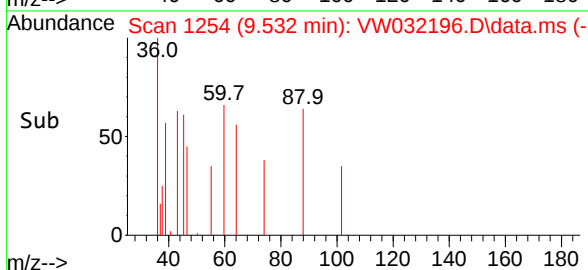
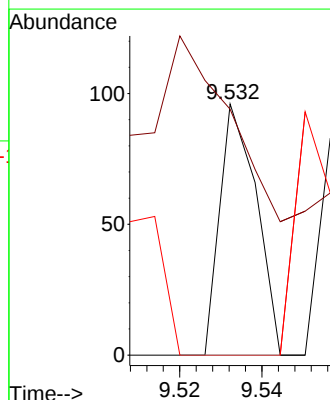
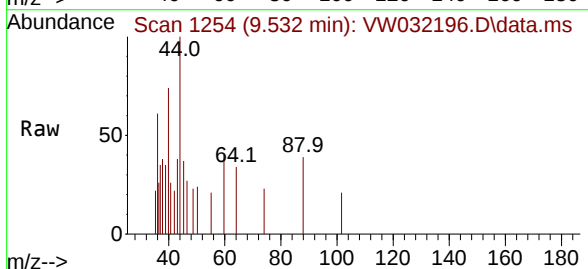
Tgt Ion: 88 Resp: 59

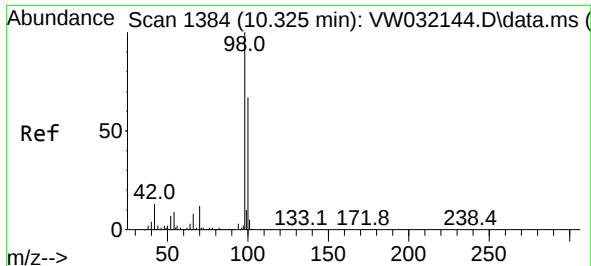
Ion Ratio Lower Upper

88 100

43 379.7 18.0 27.0#

58 64.4 55.4 83.0

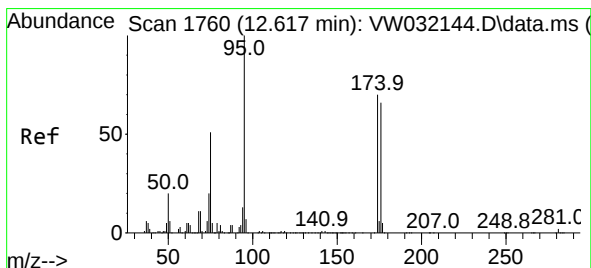
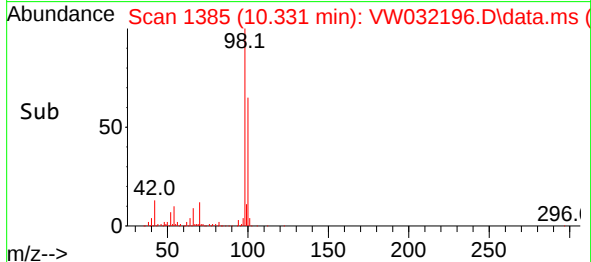
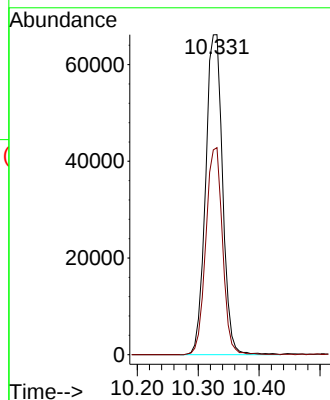
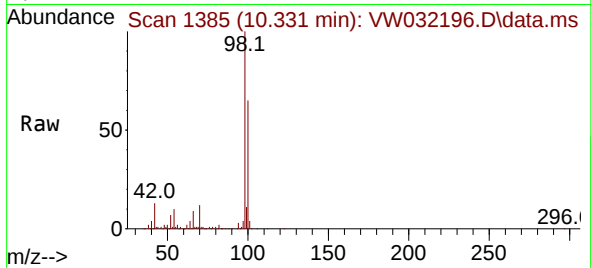




#50
Toluene-d8
Concen: 41.020 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

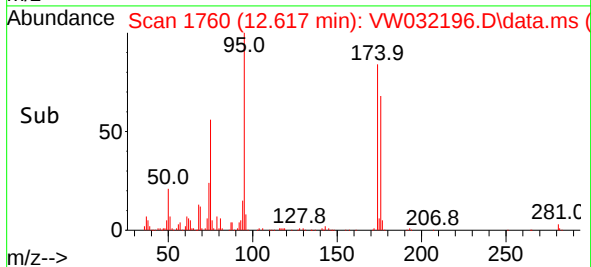
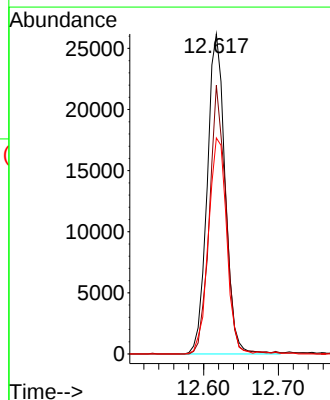
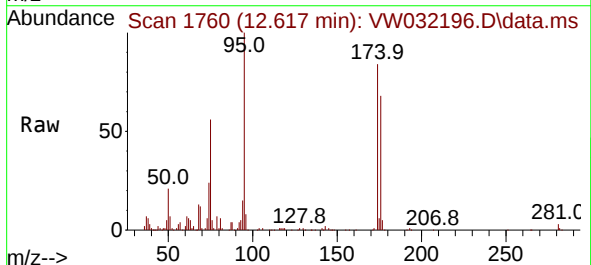
Instrument :
MSVOA_W
ClientSampleId :
EO-01-091625RE

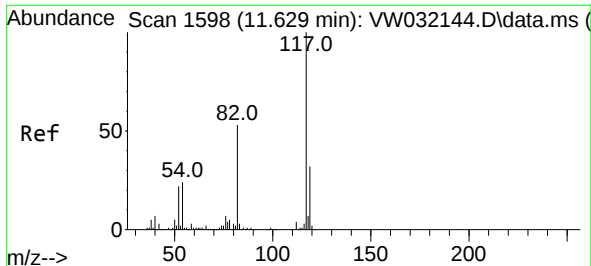
Tgt Ion: 98 Resp: 128179
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 37.819 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

Tgt Ion: 95 Resp: 43700
Ion Ratio Lower Upper
95 100
174 76.7 0.0 145.6
176 68.5 0.0 140.8

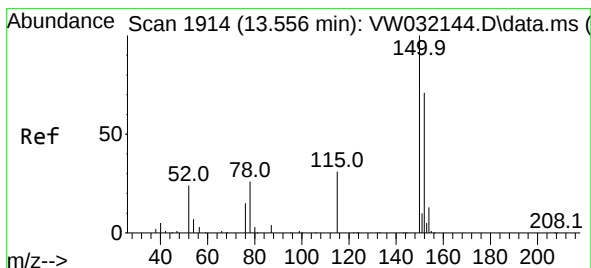
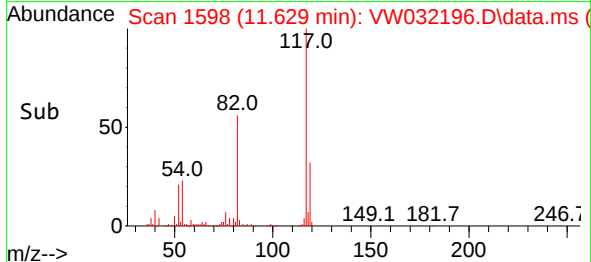
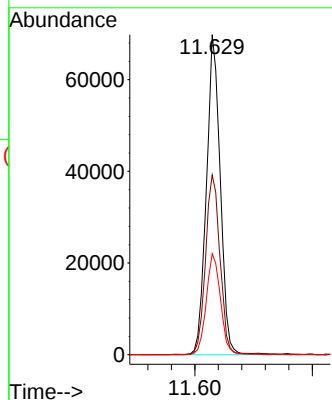
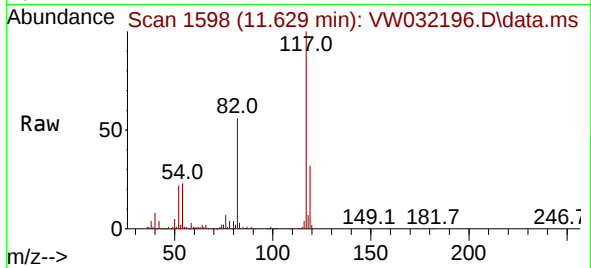




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

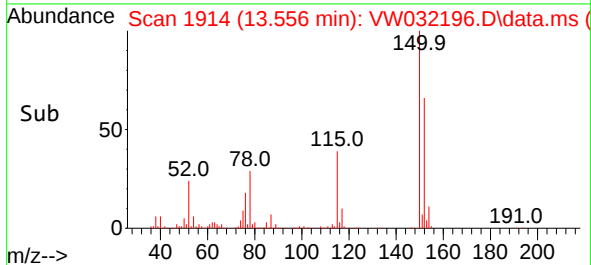
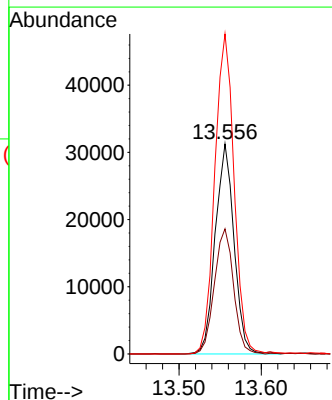
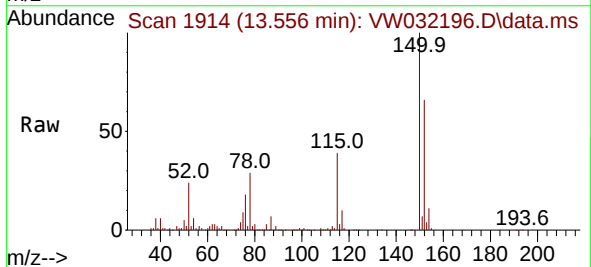
Instrument :
MSVOA_W
ClientSampleId :
EO-01-091625RE

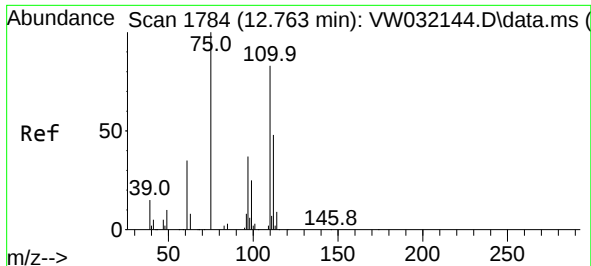
Tgt Ion:117 Resp: 114259
Ion Ratio Lower Upper
117 100
82 56.2 42.7 64.1
119 31.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

Tgt Ion:152 Resp: 49578
Ion Ratio Lower Upper
152 100
115 60.8 31.8 95.4
150 156.7 0.0 343.0

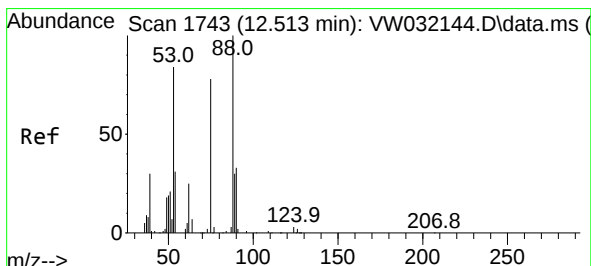
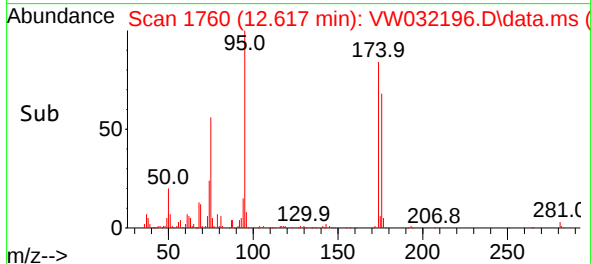
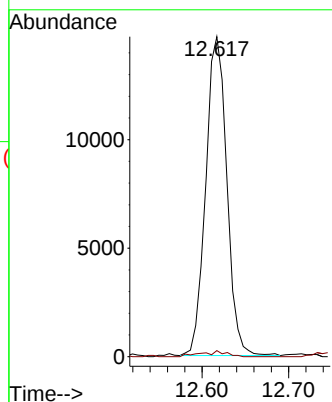
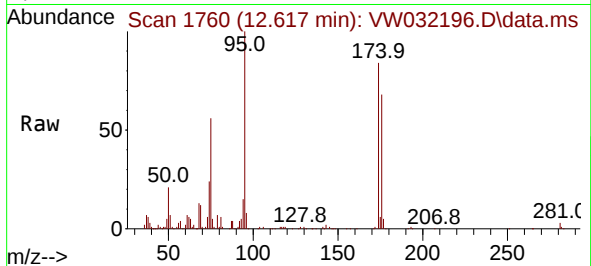




#76
1,2,3-Trichloropropane
Concen: 40.030 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

Instrument :
MSVOA_W
ClientSampleId :
EO-01-091625RE

Tgt Ion: 75 Resp: 24863
Ion Ratio Lower Upper
75 100
77 2.2 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.779 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032196.D
Acq: 18 Sep 2025 12:04

Tgt Ion: 75 Resp: 24863
Ion Ratio Lower Upper
75 100
53 0.8 91.0 136.6#
89 0.1 39.4 59.2#

