

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091525\
 Data File : VW032169.D
 Acq On : 15 Sep 2025 11:46
 Operator : SY/MD
 Sample : Q3091-01
 Misc : 4.49g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:34:54 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)

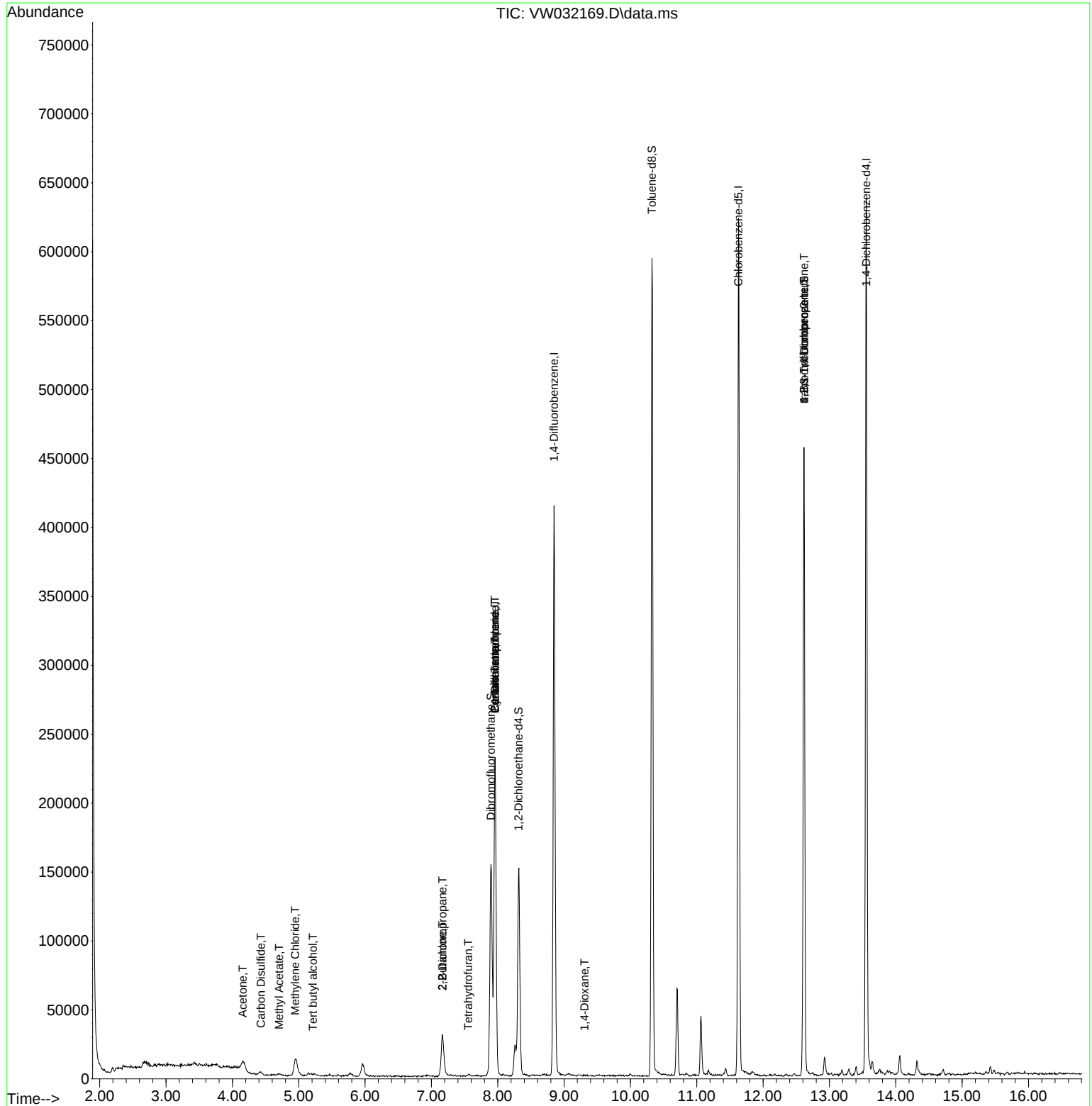
Internal Standards						
1) Pentafluorobenzene	7.959	168	163727	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	332873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	328697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	160138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	123209	52.619	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 105.240%		
35) Dibromofluoromethane	7.898	113	111787	47.866	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 95.740%		
50) Toluene-d8	10.325	98	386777	47.177	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 94.360%		
62) 4-Bromofluorobenzene	12.617	95	146351	48.275	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 96.540%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	606	4.231	ug/l	97
16) Acetone	4.155	43	10637	20.976	ug/l #	85
17) Carbon Disulfide	4.429	76	4421	1.022	ug/l #	91
18) Methyl Acetate	4.704	43	1717	1.063	ug/l #	69
20) Methylene Chloride	4.947	84	11024	1.694	ug/l	95
25) 2-Butanone	7.167	43	963	1.340	ug/l	98
26) 2,2-Dichloropropane	7.167	77	2381	1.284	ug/l #	52
29) Tetrahydrofuran	7.557	42	580	1.270	ug/l #	79
31) Cyclohexane	7.959	56	4784	1.664	ug/l #	26
36) 1,1-Dichloropropene	7.959	75	14964	4.942	ug/l #	51
38) Carbon Tetrachloride	7.959	117	17620	5.428	ug/l #	18
49) 1,4-Dioxane	9.306	88	40	2.092	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	77663	38.711	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	77663	104.229	ug/l #	5

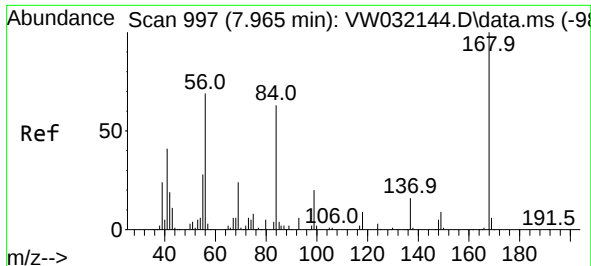
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 4.49g/5mL/MSVOA_W/SOIL/A
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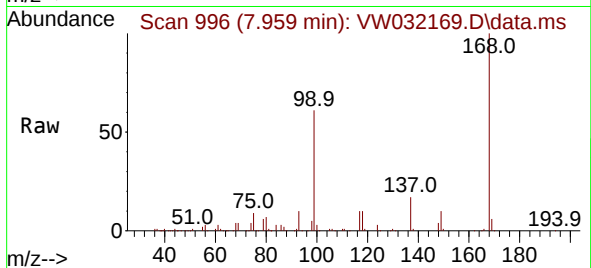
Quant Time: Sep 16 06:34:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
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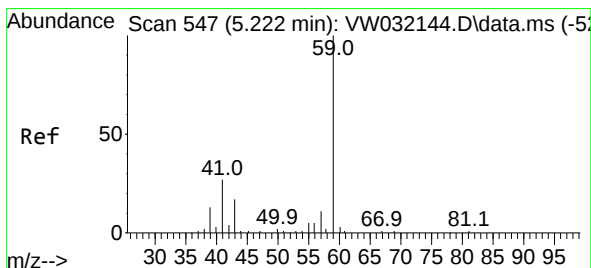
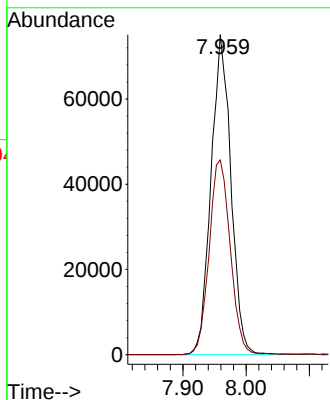
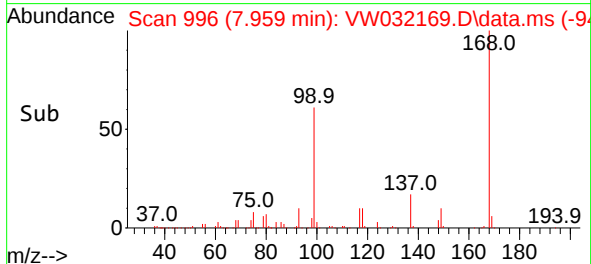


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032169.D
Acq: 15 Sep 2025 11:46

Instrument :
MSVOA_W
ClientSampleId :

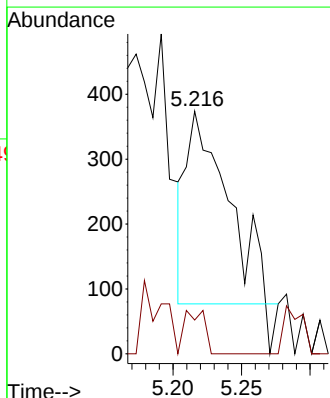
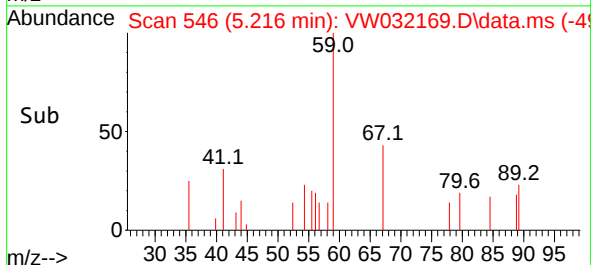
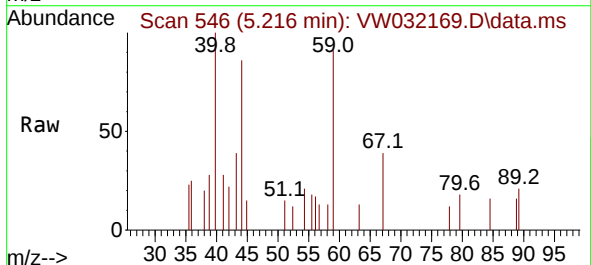


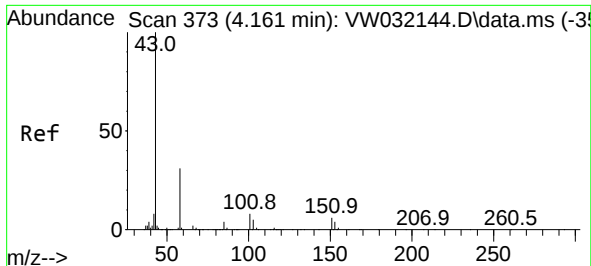
Tgt Ion:168 Resp: 163727
Ion Ratio Lower Upper
168 100
99 60.8 49.3 73.9



#11
Tert butyl alcohol
Concen: 4.231 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032169.D
Acq: 15 Sep 2025 11:46

Tgt Ion: 59 Resp: 606
Ion Ratio Lower Upper
59 100
57 11.2 9.8 14.6

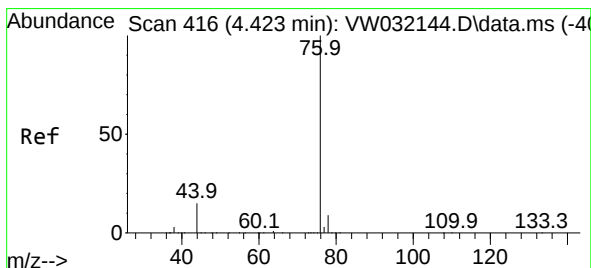
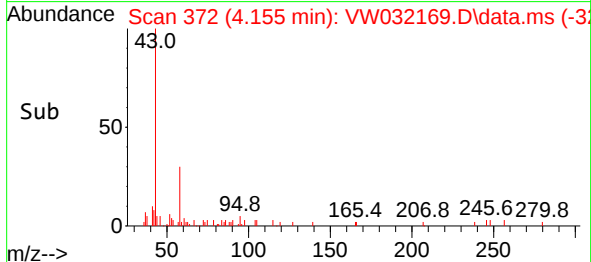
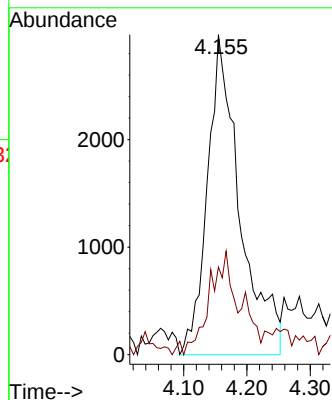
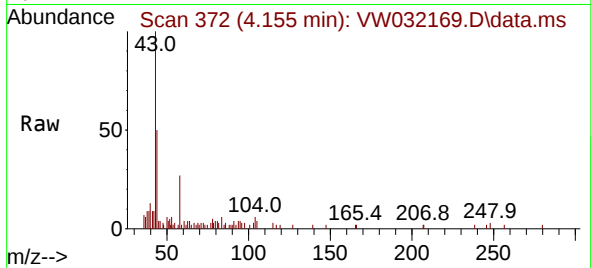




#16
Acetone
Concen: 20.976 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032169.D
Acq: 15 Sep 2025 11:46

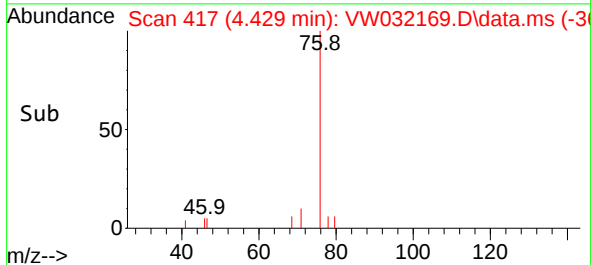
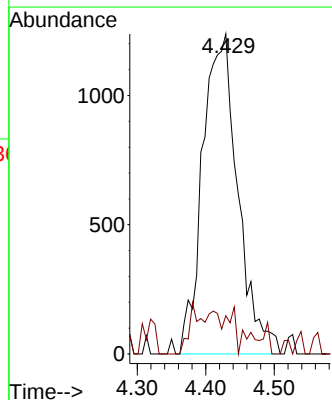
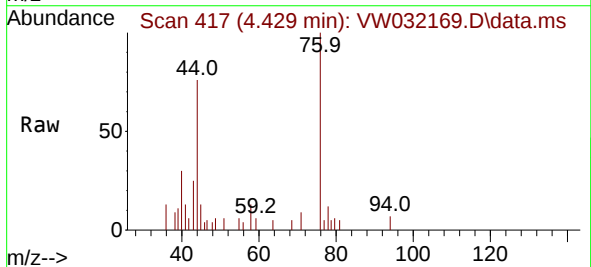
Instrument :
MSVOA_W
ClientSampleId :

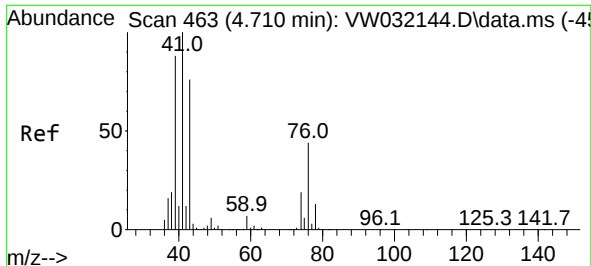
Tgt Ion: 43 Resp: 10637
Ion Ratio Lower Upper
43 100
58 23.3 25.3 37.9#



#17
Carbon Disulfide
Concen: 1.022 ug/l
RT: 4.429 min Scan# 417
Delta R.T. 0.006 min
Lab File: VW032169.D
Acq: 15 Sep 2025 11:46

Tgt Ion: 76 Resp: 4421
Ion Ratio Lower Upper
76 100
78 12.0 7.0 10.6#

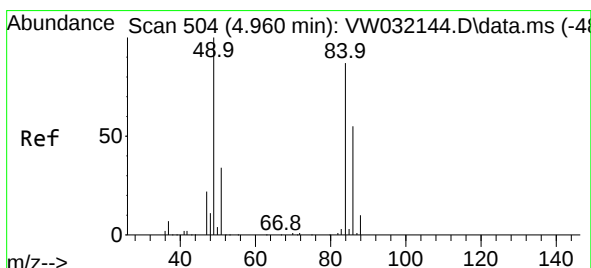
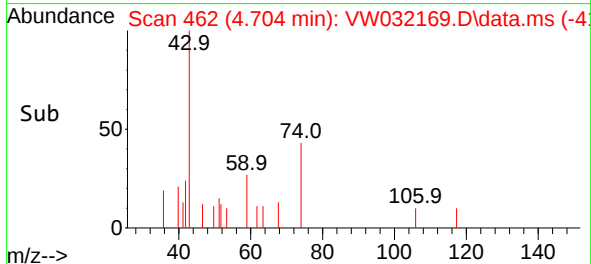
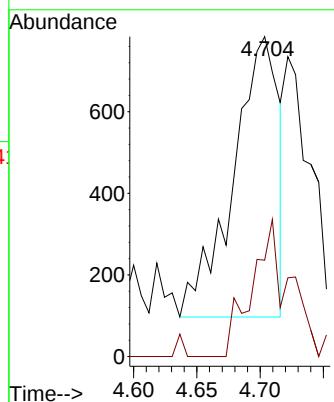
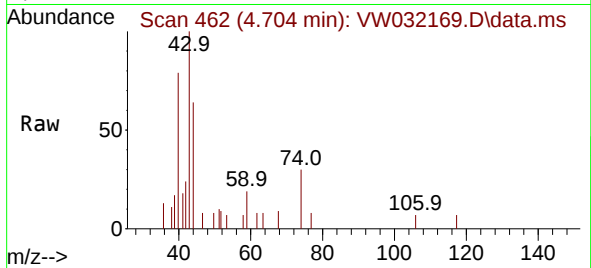




#18
Methyl Acetate
Concen: 1.063 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW032169.D
Acq: 15 Sep 2025 11:46

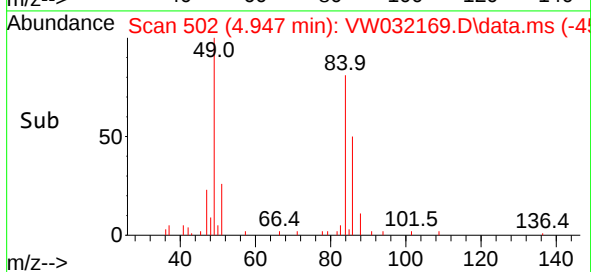
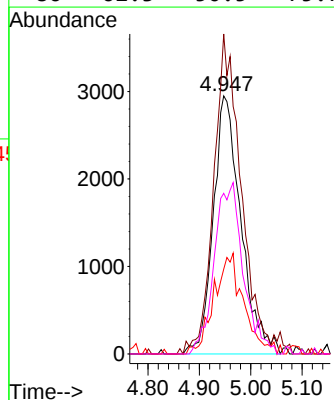
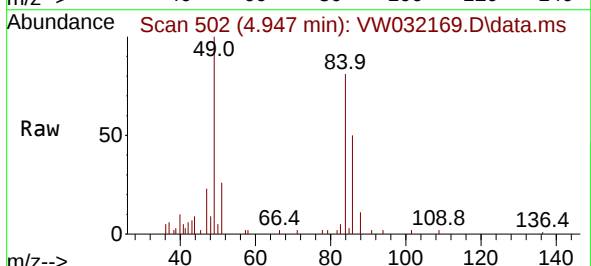
Instrument :
MSVOA_W
ClientSampleId :

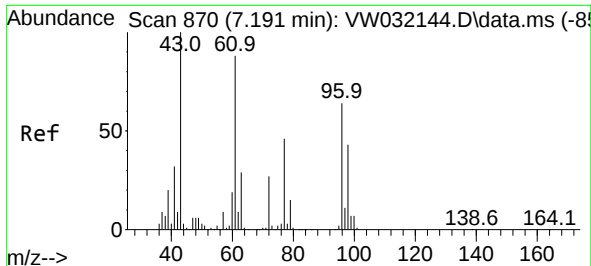
Tgt Ion: 43 Resp: 1717
Ion Ratio Lower Upper
43 100
74 41.0 20.2 30.4#



#20
Methylene Chloride
Concen: 1.694 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.013 min
Lab File: VW032169.D
Acq: 15 Sep 2025 11:46

Tgt Ion: 84 Resp: 11024
Ion Ratio Lower Upper
84 100
49 121.9 92.2 138.4
51 32.8 31.0 46.6
86 62.3 50.5 75.7

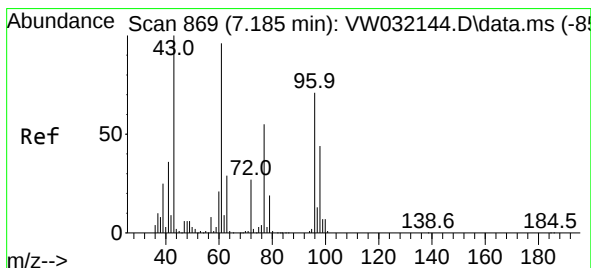
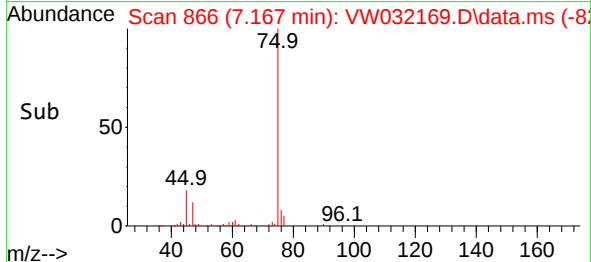
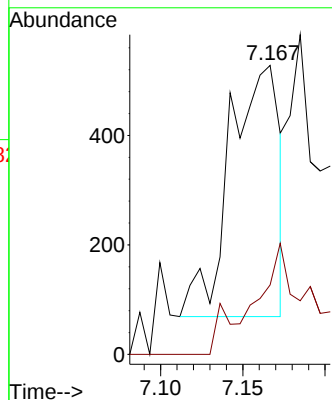
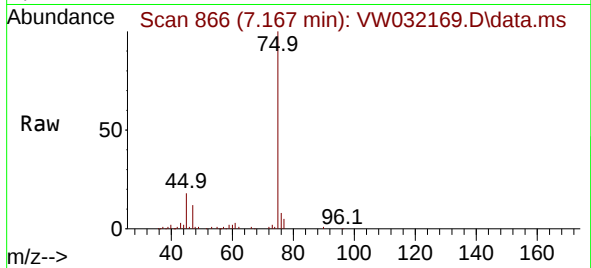




#25
2-Butanone
Concen: 1.340 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.025 min
Lab File: VW032169.D
Acq: 15 Sep 2025 11:46

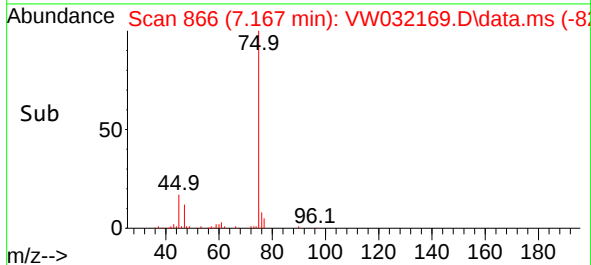
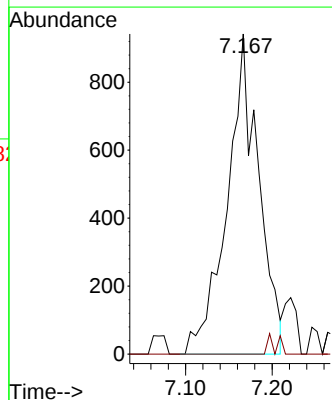
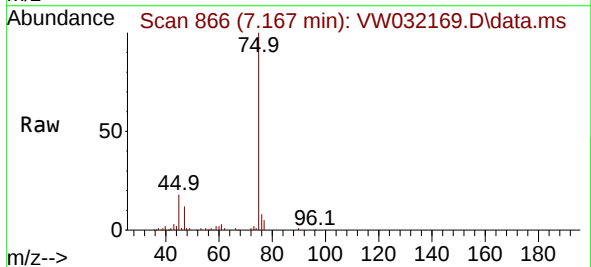
Instrument :
MSVOA_W
ClientSampleId :

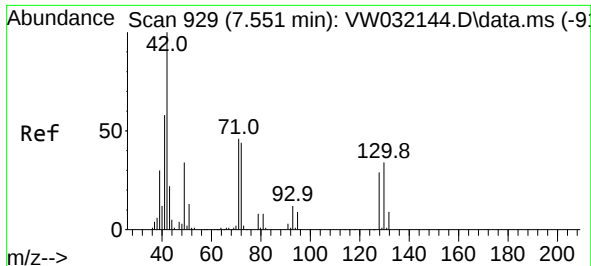
Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
72 27.7 21.4 32.2



#26
2,2-Dichloropropane
Concen: 1.284 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.018 min
Lab File: VW032169.D
Acq: 15 Sep 2025 11:46

Tgt Ion: 77 Resp: 2381
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#





#29

Tetrahydrofuran

Concen: 1.270 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032169.D

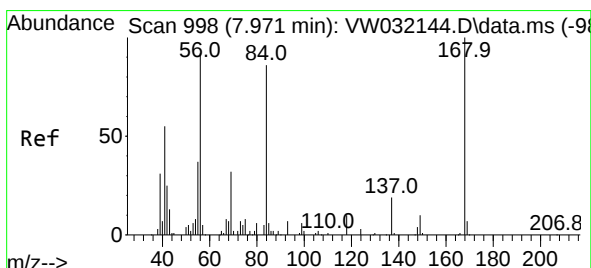
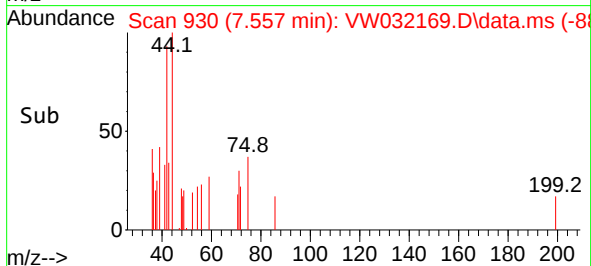
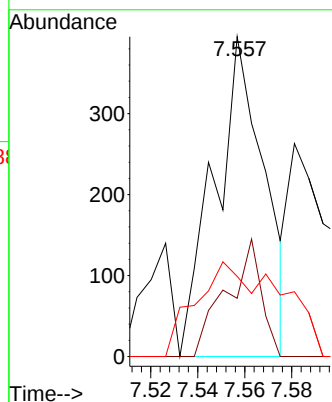
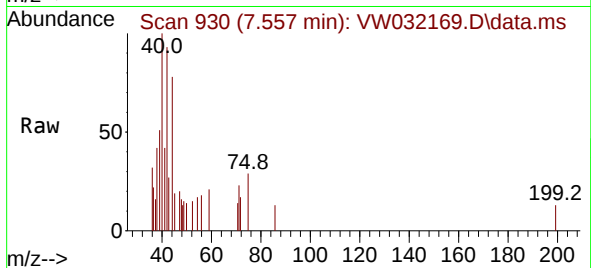
Acq: 15 Sep 2025 11:46

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 42	Resp: 580
Ion Ratio	Lower Upper
42	100
72	25.7 37.4 56.2#
71	51.2 36.0 54.0



#31

Cyclohexane

Concen: 1.664 ug/l

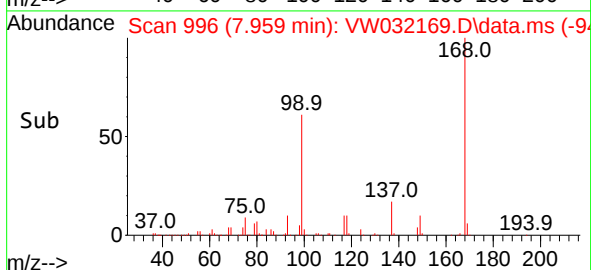
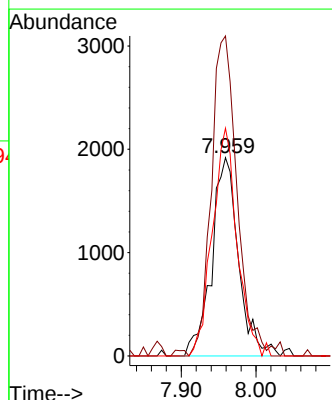
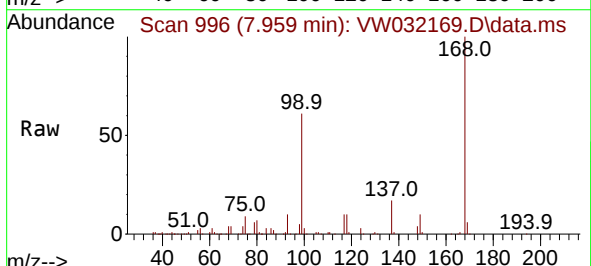
RT: 7.959 min Scan# 996

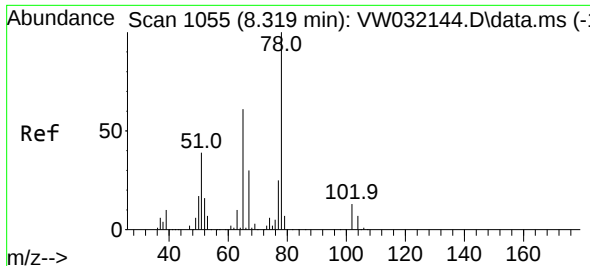
Delta R.T. -0.012 min

Lab File: VW032169.D

Acq: 15 Sep 2025 11:46

Tgt Ion: 56	Resp: 4784
Ion Ratio	Lower Upper
56	100
69	158.7 27.7 41.5#
84	114.8 74.6 112.0#

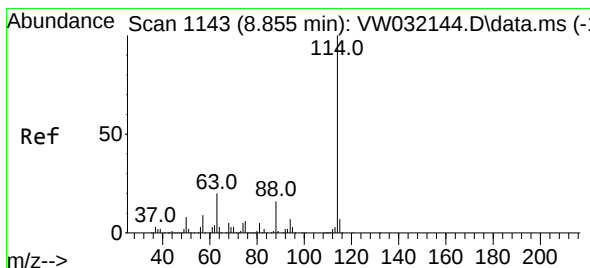
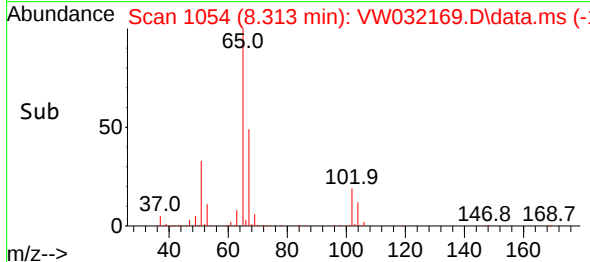
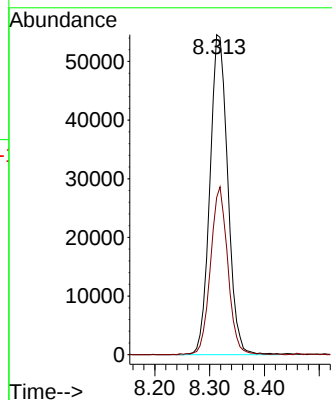
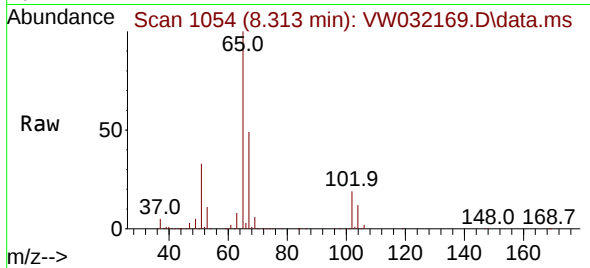




#33
 1,2-Dichloroethane-d4
 Concen: 52.619 ug/l
 RT: 8.313 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VW032169.D
 Acq: 15 Sep 2025 11:46

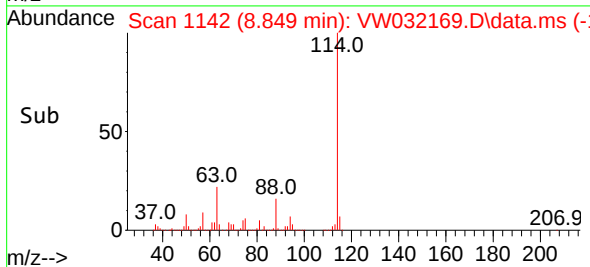
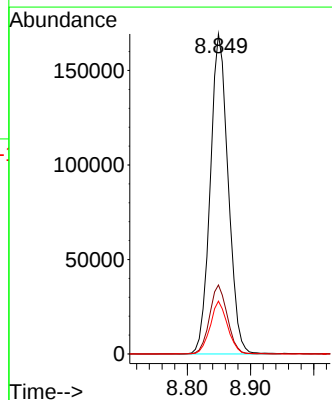
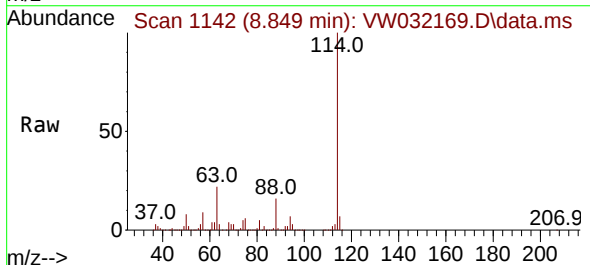
Instrument :
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 ClientSampleId :

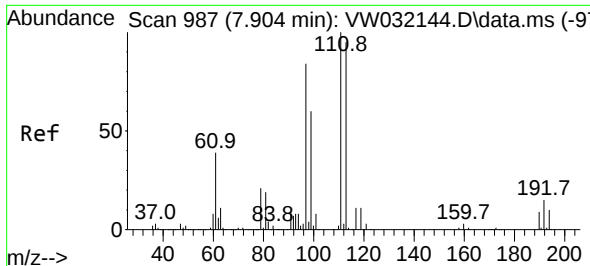
Tgt Ion: 65 Resp: 123209
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032169.D
 Acq: 15 Sep 2025 11:46

Tgt Ion: 114 Resp: 332873
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.4
 88 16.5 0.0 32.0



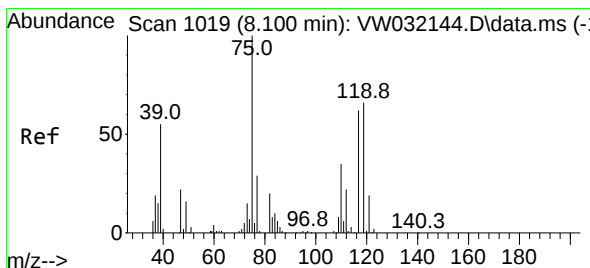
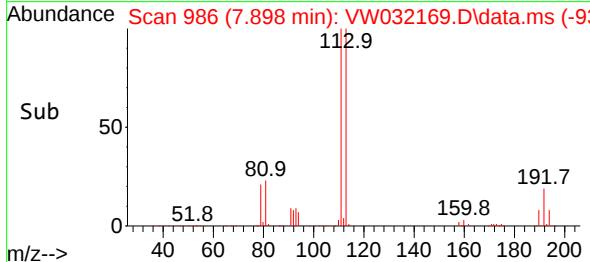
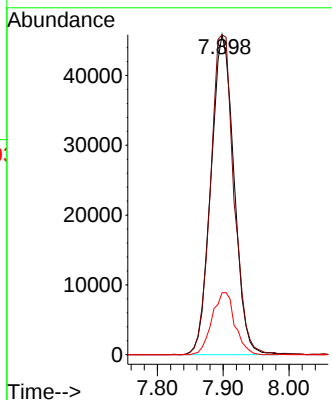
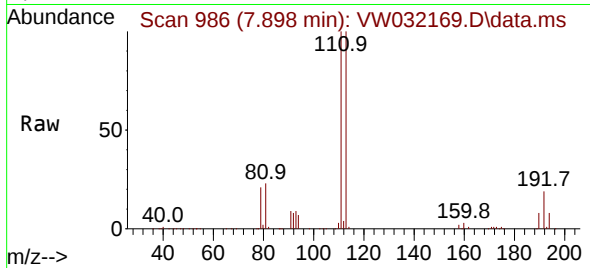


#35
 Dibromofluoromethane
 Concen: 47.866 ug/l
 RT: 7.898 min Scan# 991
 Delta R.T. -0.006 min
 Lab File: VW032169.D
 Acq: 15 Sep 2025 11:46

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:113 Resp: 111787

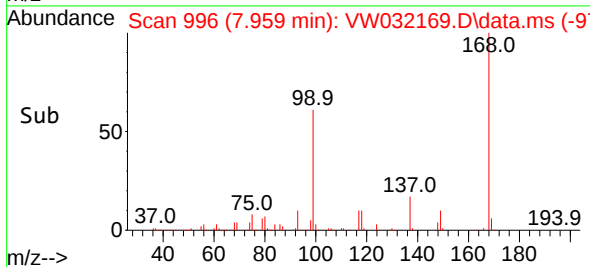
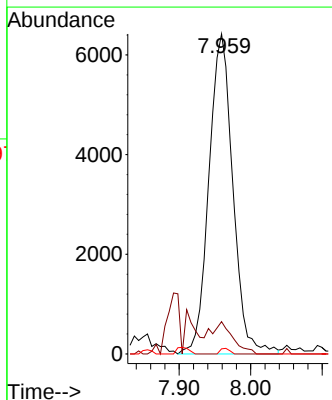
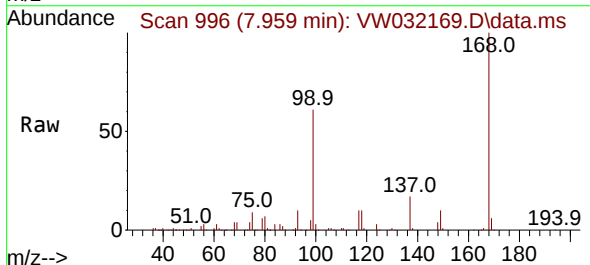
Ion	Ratio	Lower	Upper
113	100		
111	101.2	83.9	125.9
192	19.3	14.6	21.8

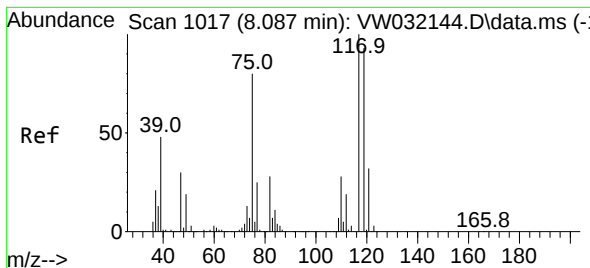


#36
 1,1-Dichloropropene
 Concen: 4.942 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032169.D
 Acq: 15 Sep 2025 11:46

Tgt Ion: 75 Resp: 14964

Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.5	52.5#
77	0.7	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 5.428 ug/l

RT: 7.959 min Scan# 91

Delta R.T. -0.128 min

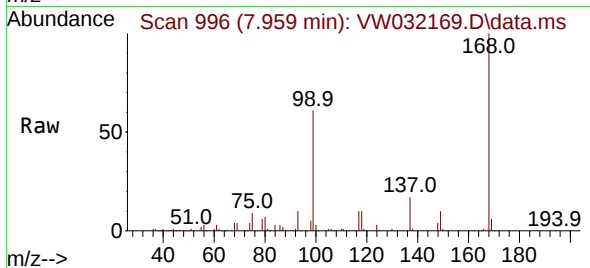
Lab File: VW032169.D

Acq: 15 Sep 2025 11:46

Instrument :

MSVOA_W

ClientSampleId :



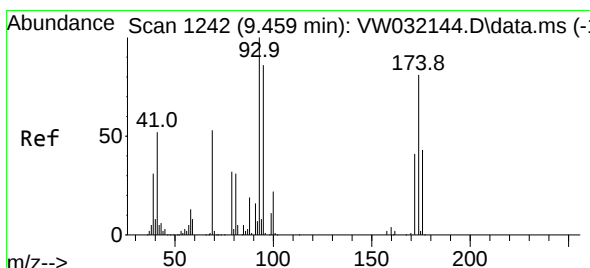
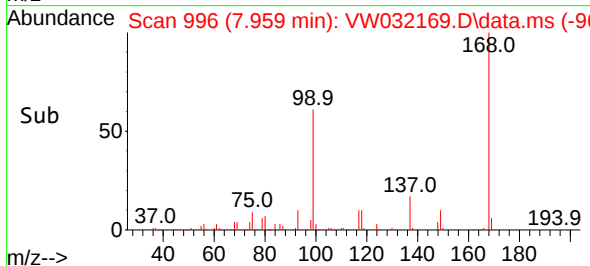
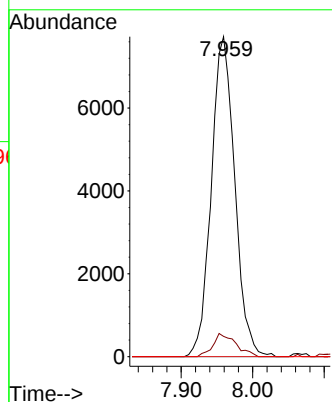
Tgt Ion:117 Resp: 17620

Ion Ratio Lower Upper

117 100

119 6.3 74.2 111.2#

121 0.0 25.6 38.4#



#49

1,4-Dioxane

Concen: 2.092 ug/l

RT: 9.306 min Scan# 1217

Delta R.T. -0.153 min

Lab File: VW032169.D

Acq: 15 Sep 2025 11:46

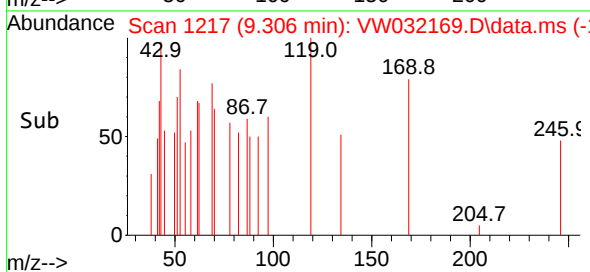
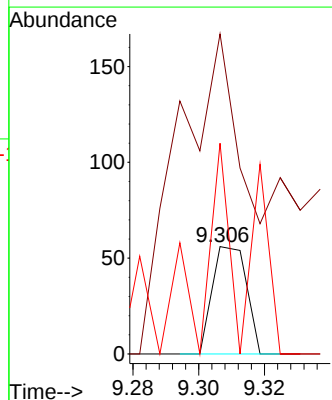
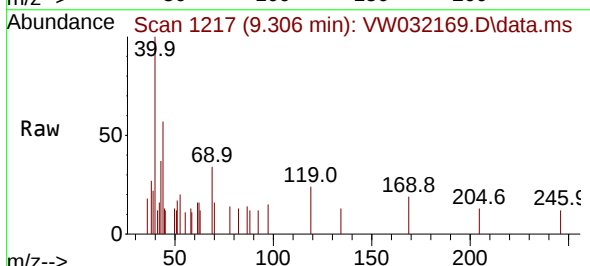
Tgt Ion: 88 Resp: 40

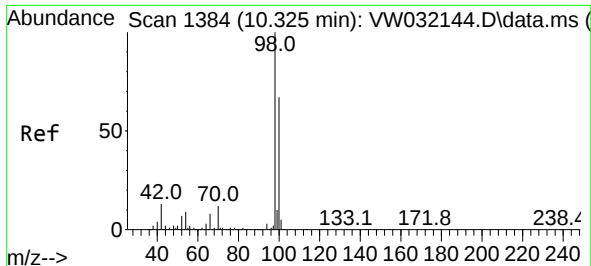
Ion Ratio Lower Upper

88 100

43 590.0 18.0 27.0#

58 245.0 55.4 83.0#

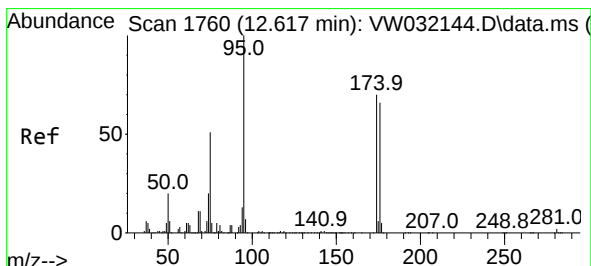
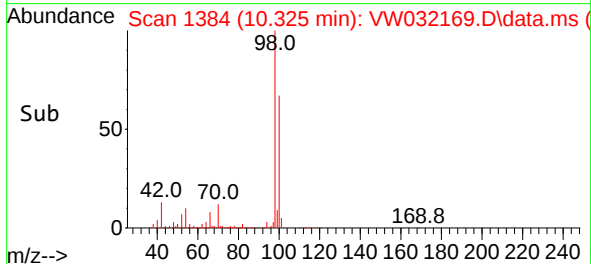
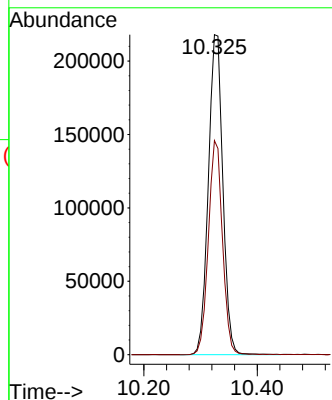
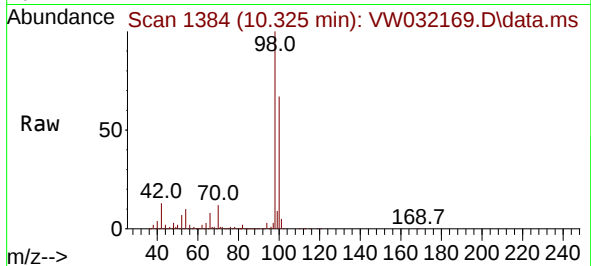




#50
Toluene-d8
Concen: 47.177 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032169.D
Acq: 15 Sep 2025 11:46

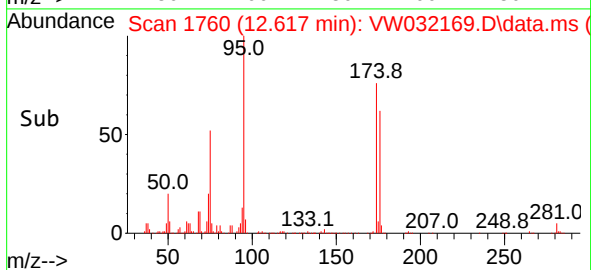
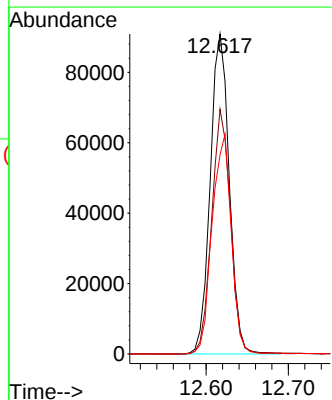
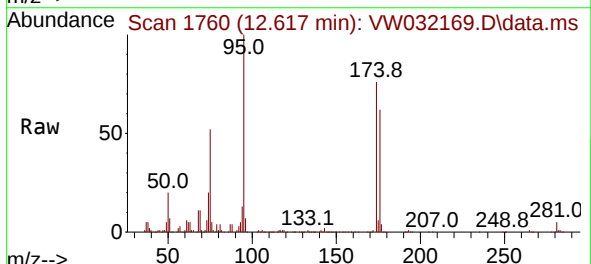
Instrument :
MSVOA_W
ClientSampleId :

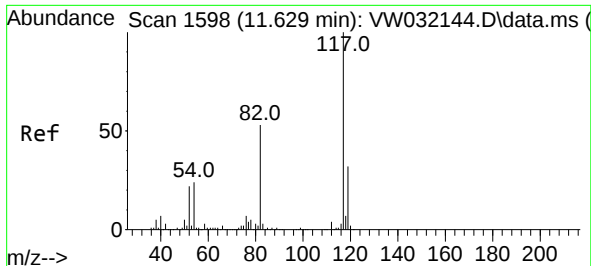
Tgt Ion: 98 Resp: 386777
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 48.275 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032169.D
Acq: 15 Sep 2025 11:46

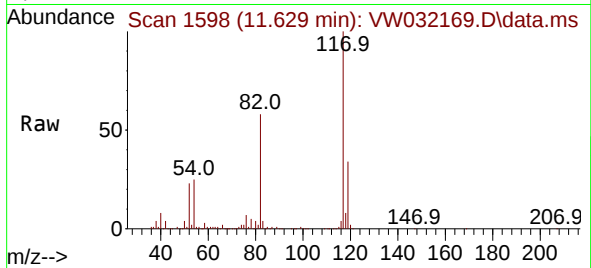
Tgt Ion: 95 Resp: 146351
Ion Ratio Lower Upper
95 100
174 75.9 0.0 145.6
176 69.2 0.0 140.8



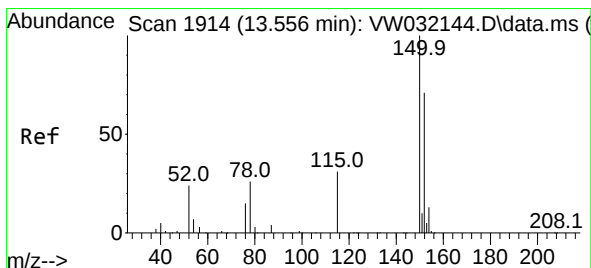
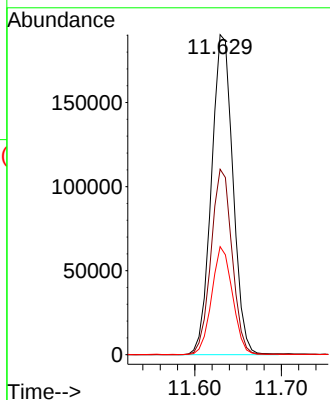
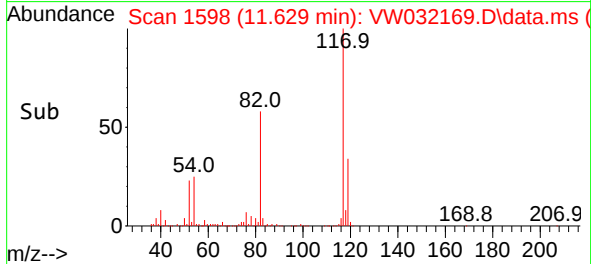


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032169.D
Acq: 15 Sep 2025 11:46

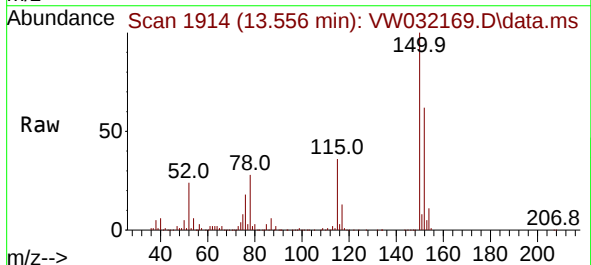
Instrument :
MSVOA_W
ClientSampleId :



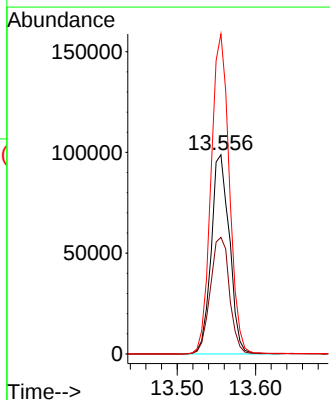
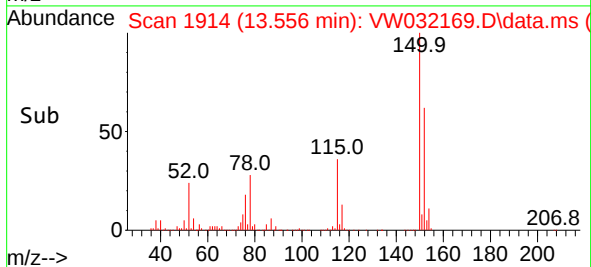
Tgt Ion:117 Resp: 328697
Ion Ratio Lower Upper
117 100
82 58.0 42.7 64.1
119 33.7 25.2 37.8

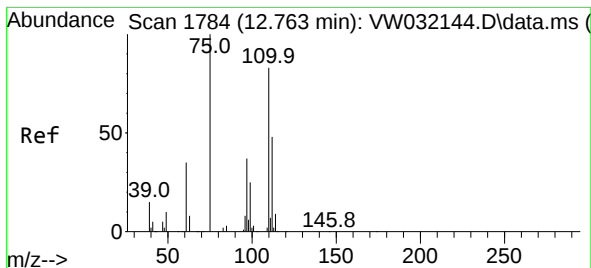


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032169.D
Acq: 15 Sep 2025 11:46



Tgt Ion:152 Resp: 160138
Ion Ratio Lower Upper
152 100
115 61.6 31.8 95.4
150 160.6 0.0 343.0





#76

1,2,3-Trichloropropane

Concen: 38.711 ug/l

RT: 12.617 min Scan# 1

Delta R.T. -0.146 min

Lab File: VW032169.D

Acq: 15 Sep 2025 11:46

Instrument :

MSVOA_W

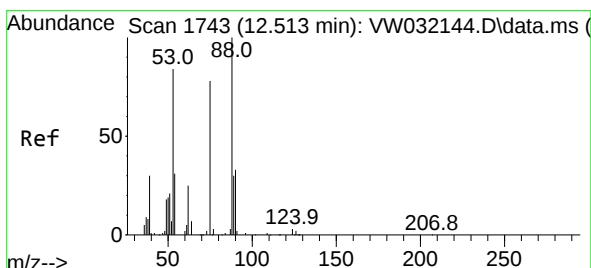
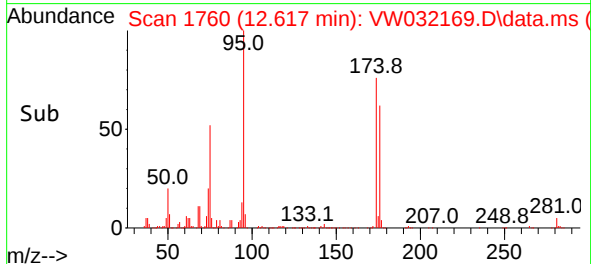
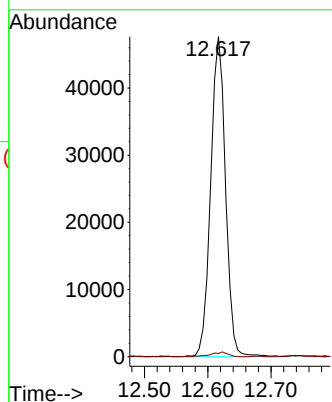
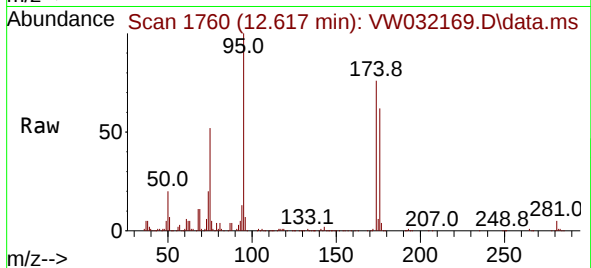
ClientSampleId :

Tgt Ion: 75 Resp: 77663

Ion Ratio Lower Upper

75 100

77 1.7 141.7 425.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 104.229 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.103 min

Lab File: VW032169.D

Acq: 15 Sep 2025 11:46

Tgt Ion: 75 Resp: 77663

Ion Ratio Lower Upper

75 100

53 0.3 91.0 136.6#

89 0.0 39.4 59.2#

