

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032160.D
 Acq On : 28 Aug 2025 15:30
 Operator : SY/MD
 Sample : Q2979-03
 Misc : 5.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-A

Quant Time: Aug 29 01:20:57 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)

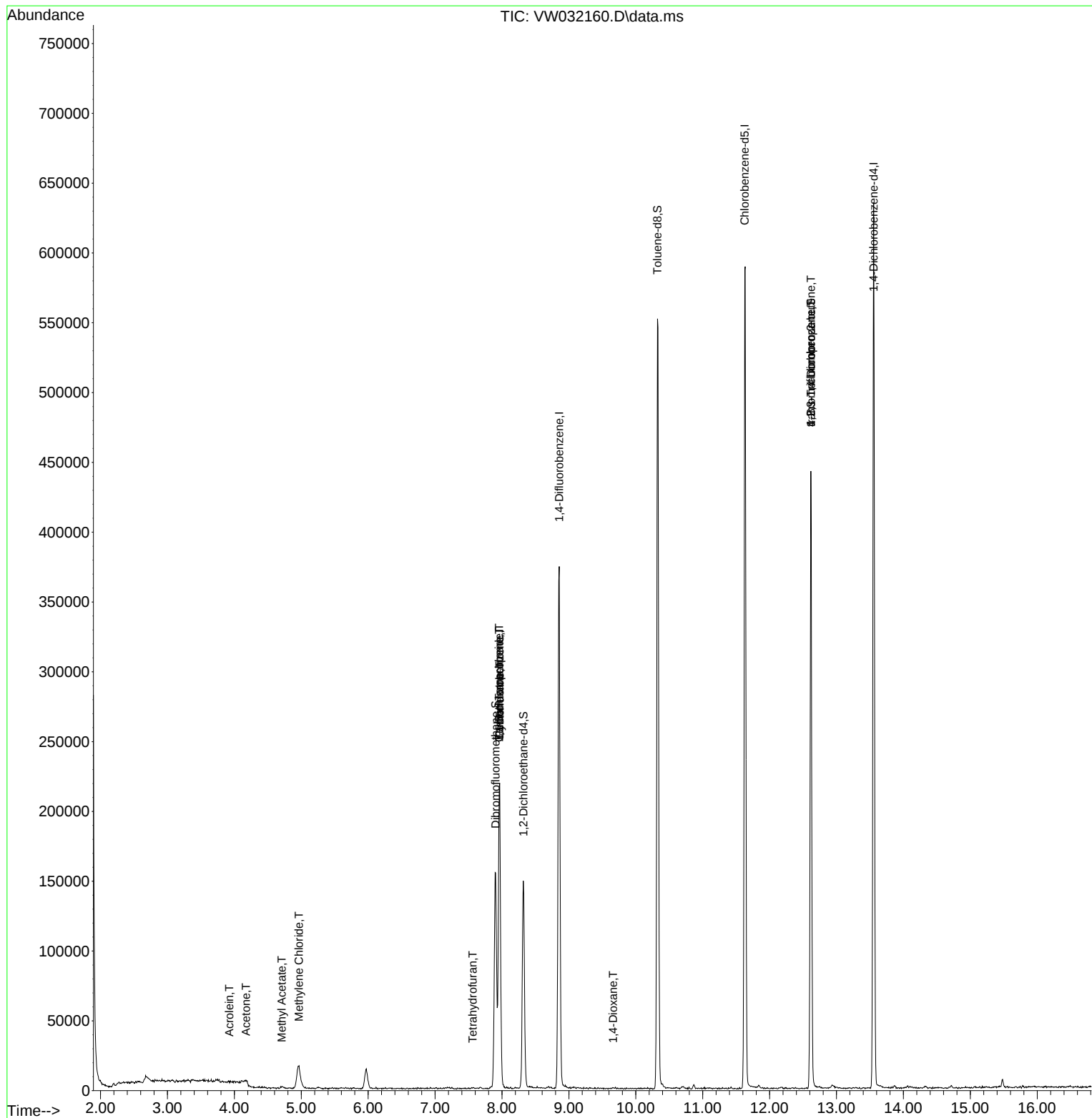
Internal Standards						
1) Pentafluorobenzene	7.965	168	154806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	307643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	316956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	157355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	125363	56.625	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 113.240%		
35) Dibromofluoromethane	7.904	113	109844	50.891	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 101.780%		
50) Toluene-d8	10.325	98	366704	48.397	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 96.800%		
62) 4-Bromofluorobenzene	12.617	95	139180	49.674	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 99.340%		
Target Compounds						
					Qvalue	
13) Acrolein	3.923	56	258	1.239	ug/l	97
16) Acetone	4.173	43	2384	4.972	ug/l #	81
18) Methyl Acetate	4.710	43	2172	1.422	ug/l #	82
20) Methylene Chloride	4.966	84	15472	4.374	ug/l	92
29) Tetrahydrofuran	7.563	42	452	1.047	ug/l #	65
31) Cyclohexane	7.965	56	4314	1.587	ug/l #	36
36) 1,1-Dichloropropene	7.959	75	14039	5.017	ug/l #	51
38) Carbon Tetrachloride	7.959	117	16628	5.543	ug/l #	17
49) 1,4-Dioxane	9.660	88	19	1.075	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	76764	38.940	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	76764	104.844	ug/l #	5

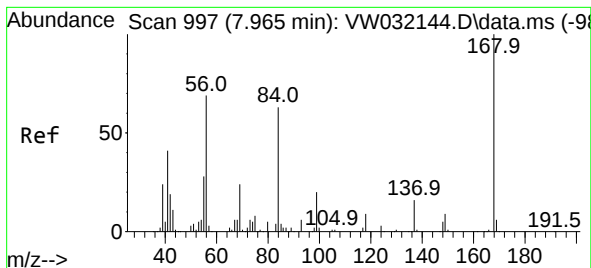
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.965 min Scan# 997

Delta R.T. 0.000 min

Lab File: VW032160.D

Acq: 28 Aug 2025 15:30

Instrument :

MSVOA_W

ClientSampleId :

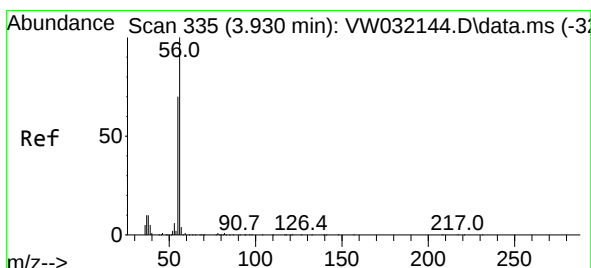
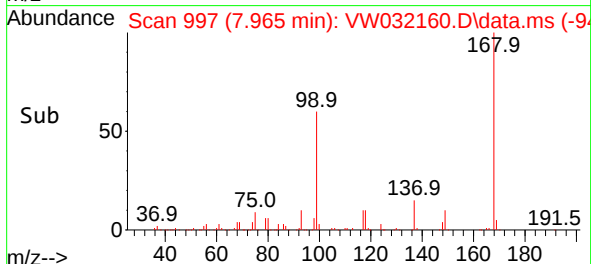
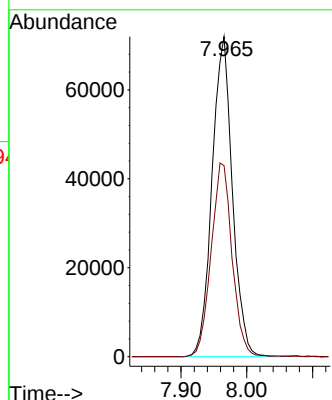
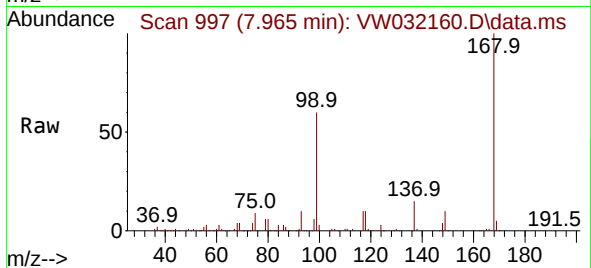
SP-A

Tgt Ion:168 Resp: 154806

Ion Ratio Lower Upper

168 100

99 59.7 49.3 73.9



#13

Acrolein

Concen: 1.239 ug/l

RT: 3.923 min Scan# 334

Delta R.T. -0.006 min

Lab File: VW032160.D

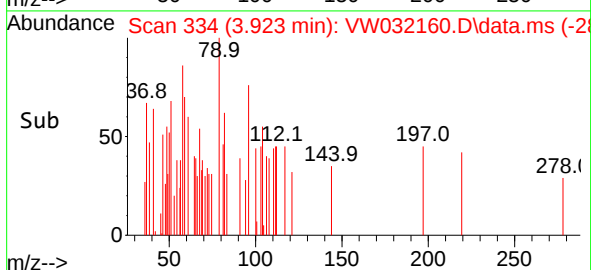
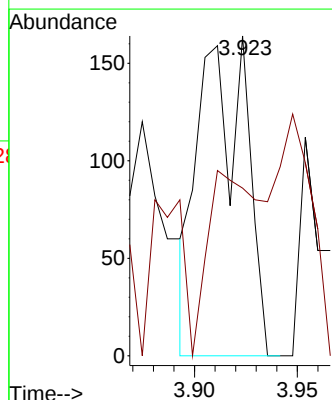
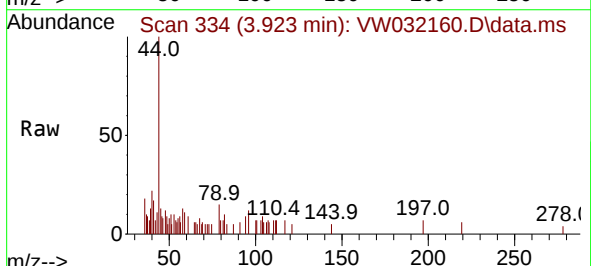
Acq: 28 Aug 2025 15:30

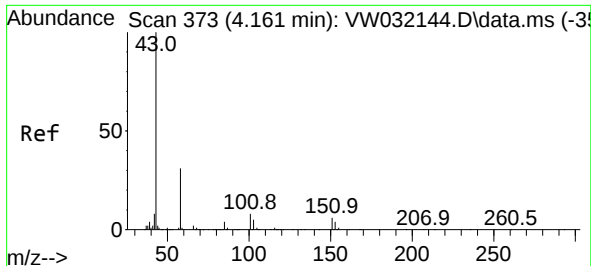
Tgt Ion: 56 Resp: 258

Ion Ratio Lower Upper

56 100

55 68.2 56.4 84.6

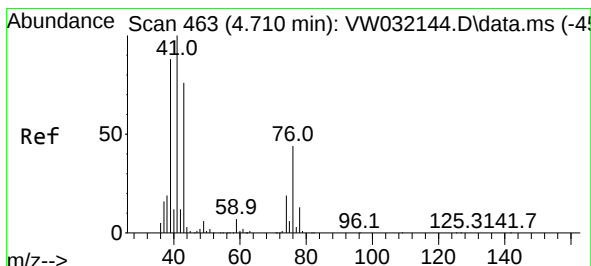
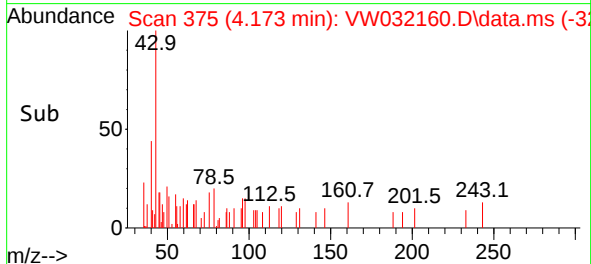
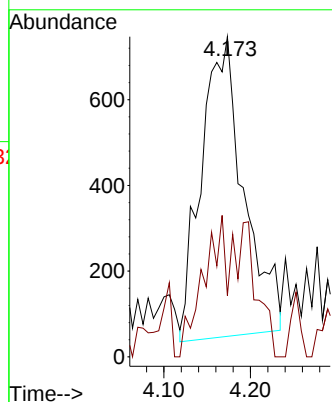
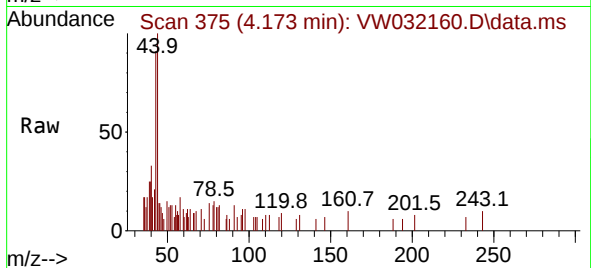




#16
Acetone
Concen: 4.972 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:30

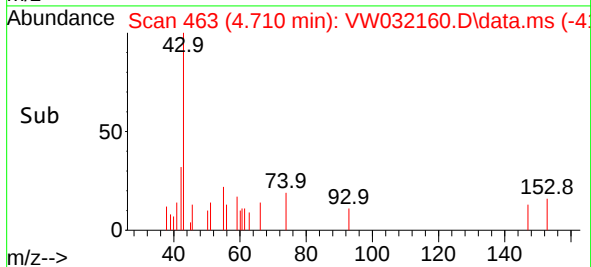
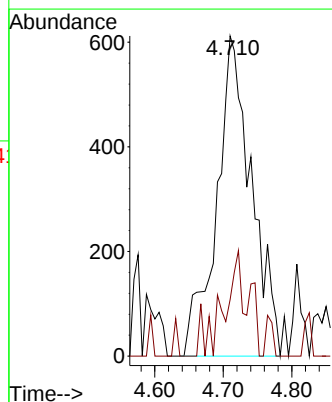
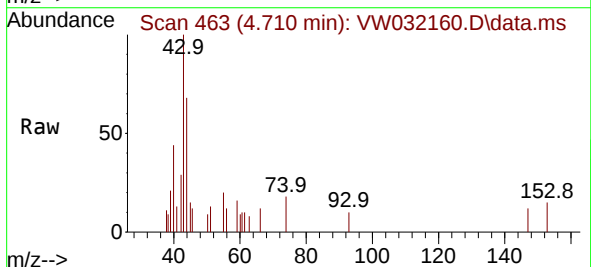
Instrument :
MSVOA_W
ClientSampleId :
SP-A

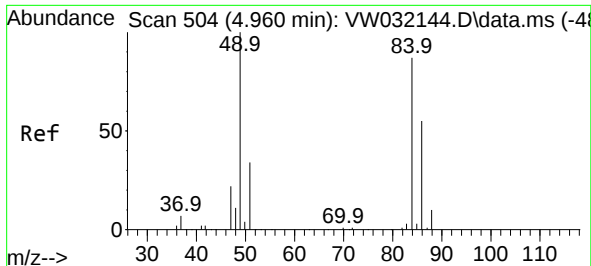
Tgt Ion: 43 Resp: 2384
Ion Ratio Lower Upper
43 100
58 20.9 25.3 37.9#



#18
Methyl Acetate
Concen: 1.422 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:30

Tgt Ion: 43 Resp: 2172
Ion Ratio Lower Upper
43 100
74 16.4 20.2 30.4#

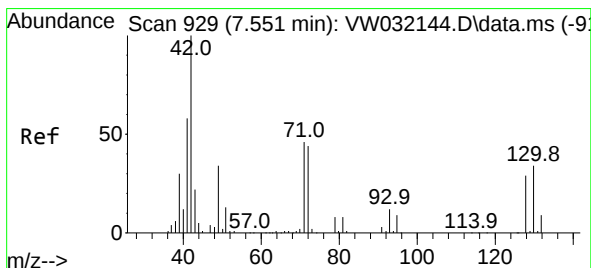
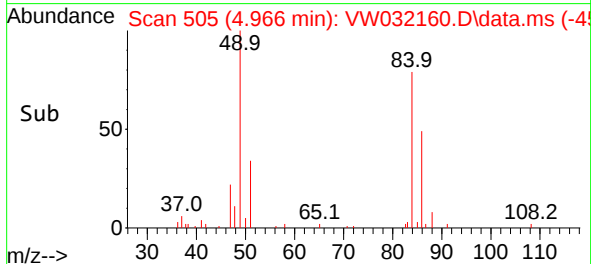
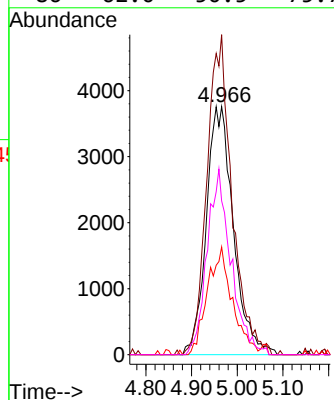
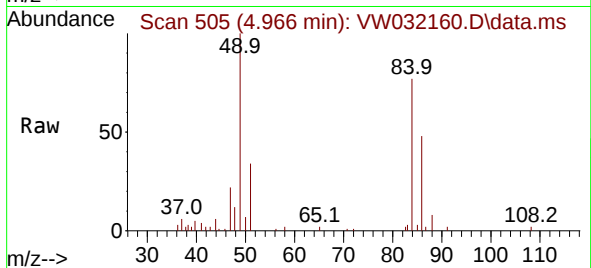




#20
Methylene Chloride
Concen: 4.374 ug/l
RT: 4.966 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:30

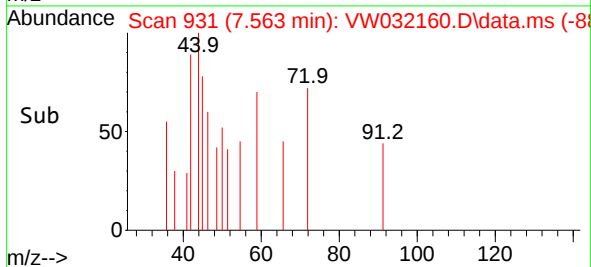
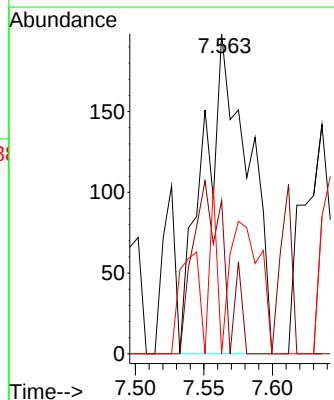
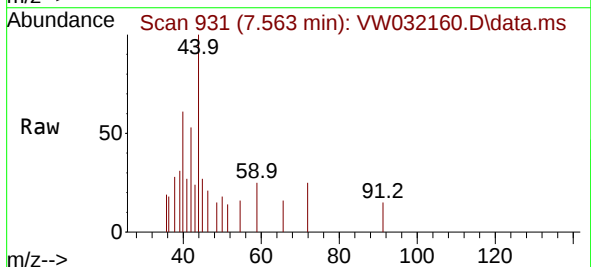
Instrument :
MSVOA_W
ClientSampleId :
SP-A

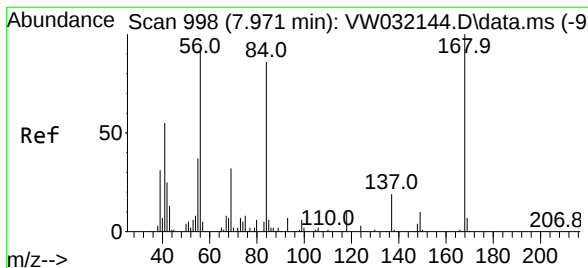
Tgt Ion:	84	Resp:	15472
Ion	Ratio	Lower	Upper
84	100		
49	129.0	92.2	138.4
51	43.4	31.0	46.6
86	62.0	50.5	75.7



#29
Tetrahydrofuran
Concen: 1.047 ug/l
RT: 7.563 min Scan# 931
Delta R.T. 0.012 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:30

Tgt Ion:	42	Resp:	452
Ion	Ratio	Lower	Upper
42	100		
72	37.2	37.4	56.2#
71	8.4	36.0	54.0#

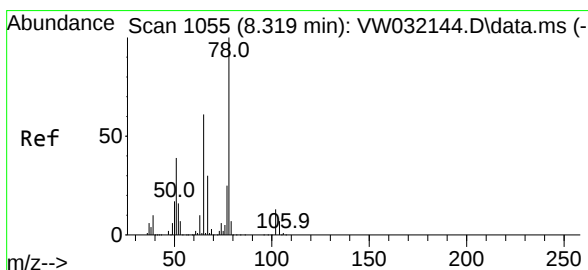
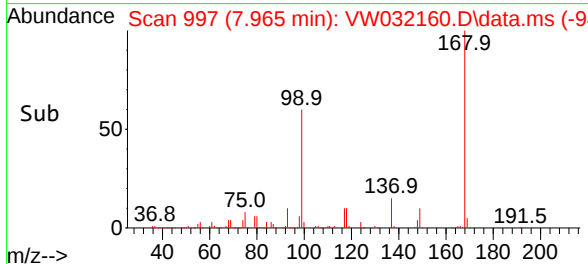
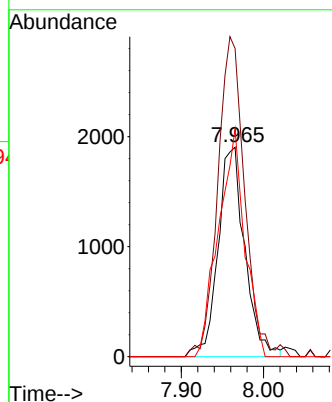
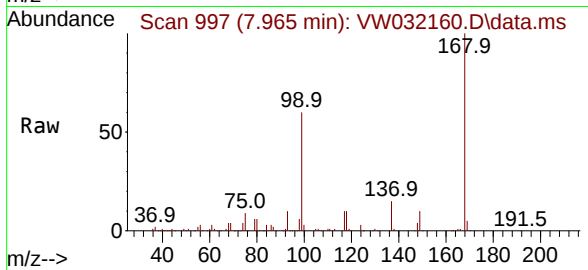




#31
Cyclohexane
Concen: 1.587 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:30

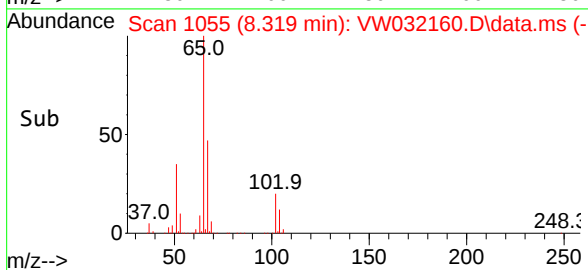
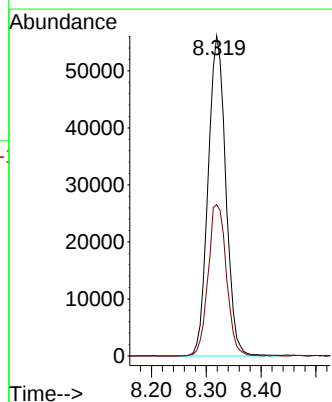
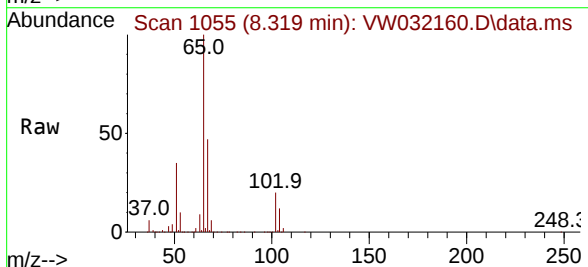
Instrument :
MSVOA_W
ClientSampleId :
SP-A

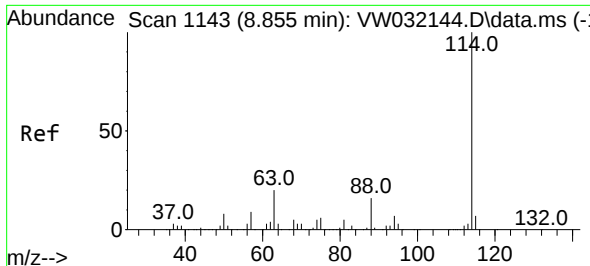
Tgt Ion: 56 Resp: 4314
Ion Ratio Lower Upper
56 100
69 147.2 27.7 41.5#
84 108.6 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 56.625 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:30

Tgt Ion: 65 Resp: 125363
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.6

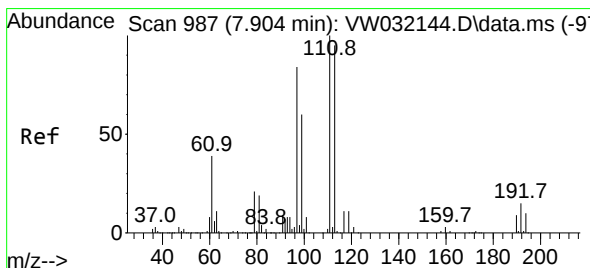
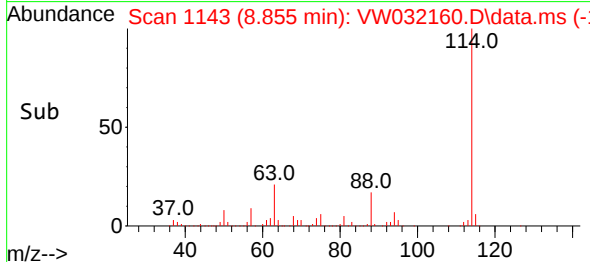
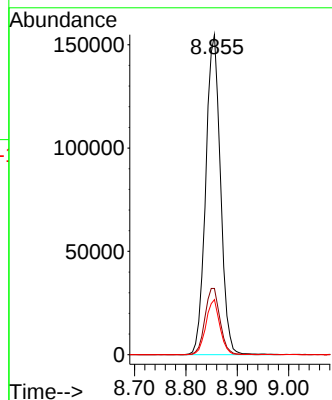
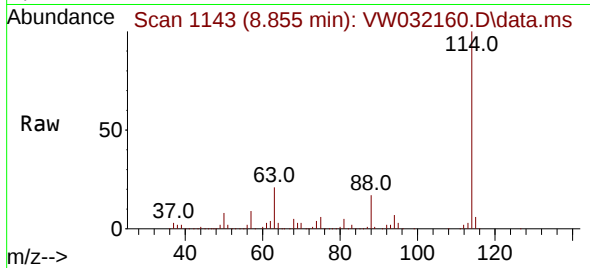




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:30

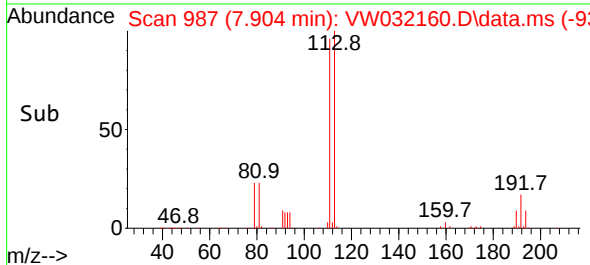
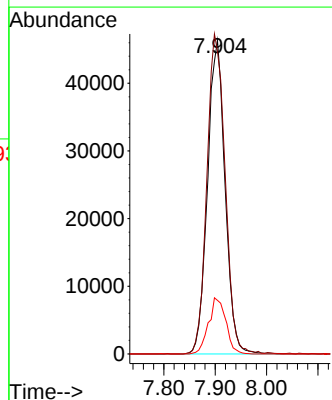
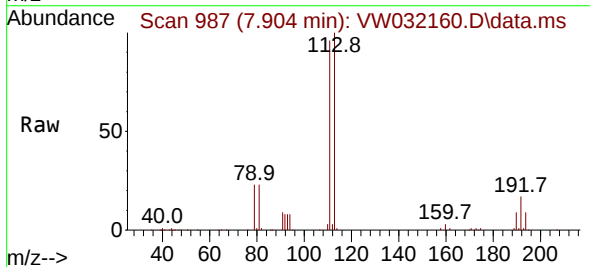
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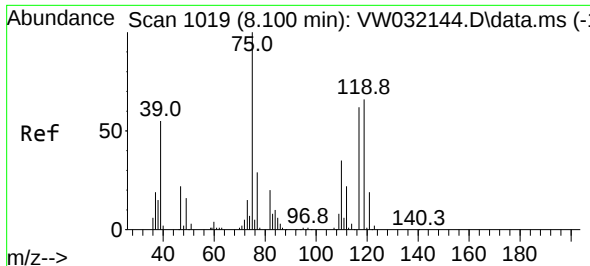
Tgt Ion:114 Resp: 307643
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.4
88 17.2 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.891 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:30

Tgt Ion:113 Resp: 109844
Ion Ratio Lower Upper
113 100
111 105.6 83.9 125.9
192 17.7 14.6 21.8

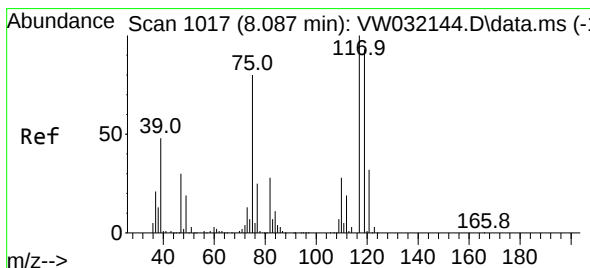
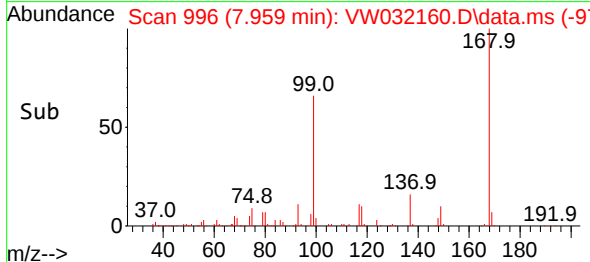
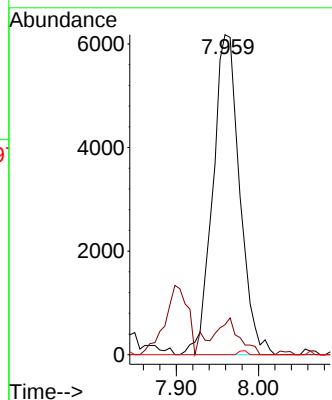
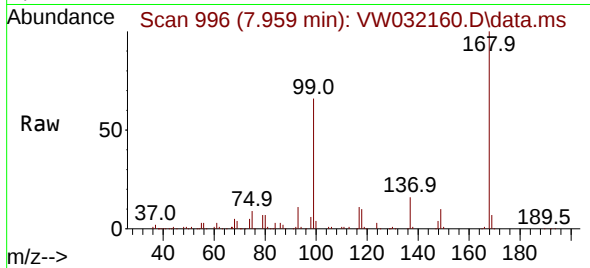




#36
1,1-Dichloropropene
Concen: 5.017 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:30

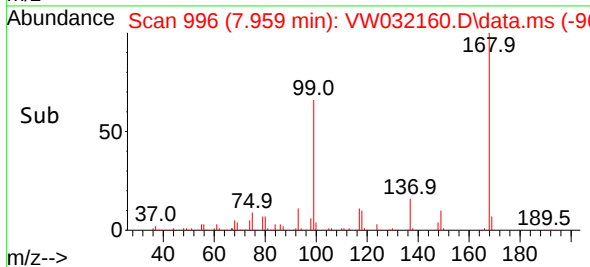
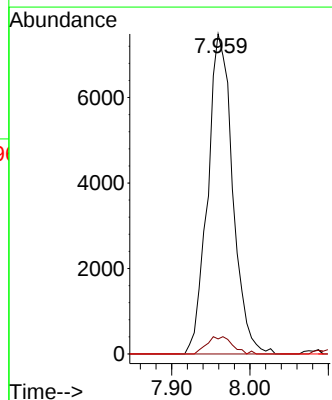
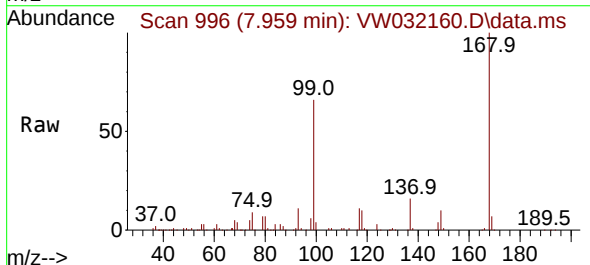
Instrument :
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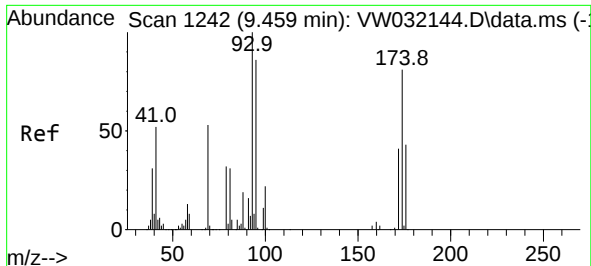
Tgt Ion: 75 Resp: 14039
Ion Ratio Lower Upper
75 100
110 9.7 17.5 52.5#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 5.543 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.128 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:30

Tgt Ion: 117 Resp: 16628
Ion Ratio Lower Upper
117 100
119 4.7 74.2 111.2#
121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.075 ug/l

RT: 9.660 min Scan# 1275

Delta R.T. 0.201 min

Lab File: VW032160.D

Acq: 28 Aug 2025 15:30

Instrument :

MSVOA_W

ClientSampleId :

SP-A

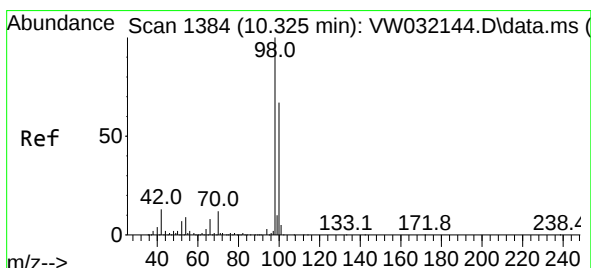
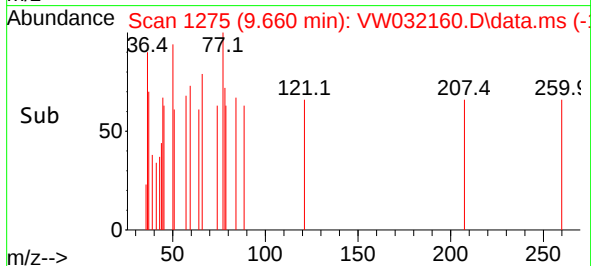
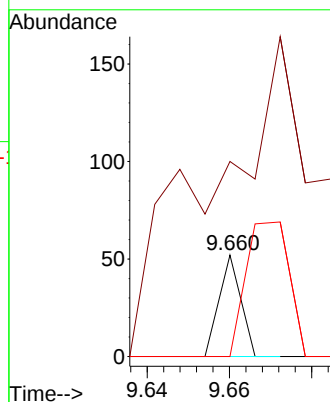
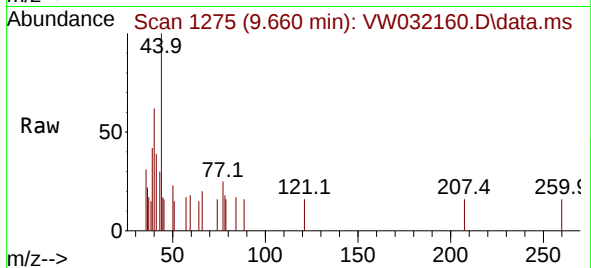
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 473.7 18.0 27.0#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 48.397 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032160.D

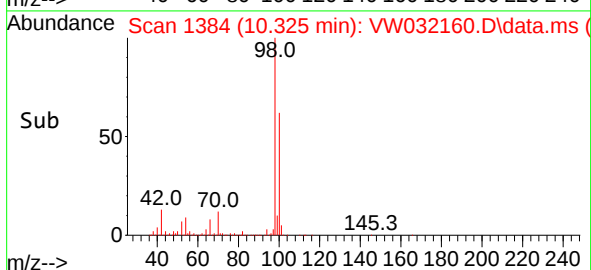
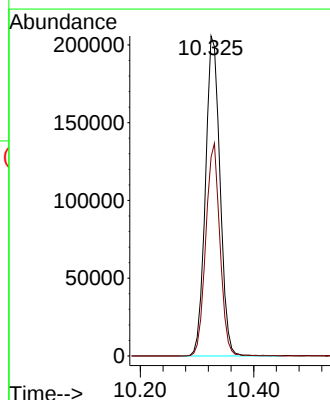
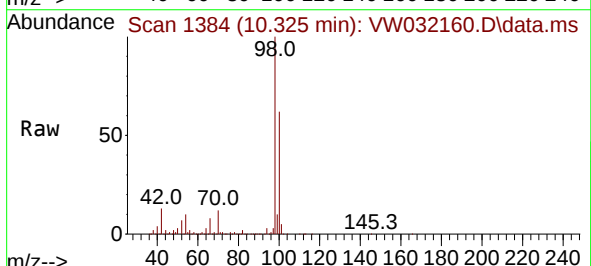
Acq: 28 Aug 2025 15:30

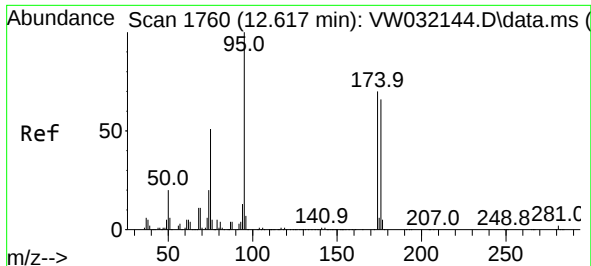
Tgt Ion: 98 Resp: 366704

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.2

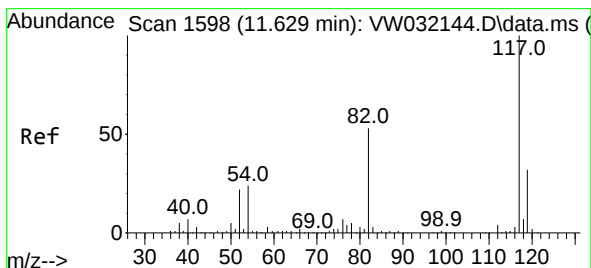
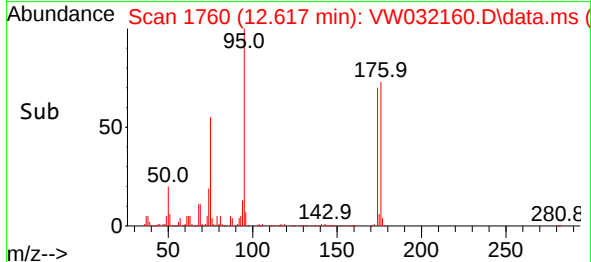
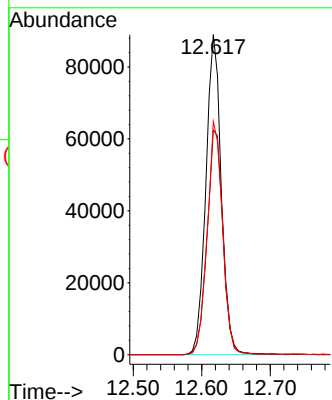
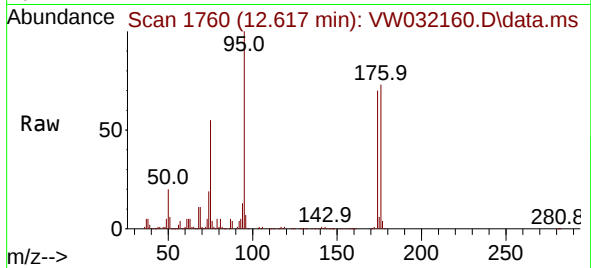




#62
4-Bromofluorobenzene
Concen: 49.674 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:30

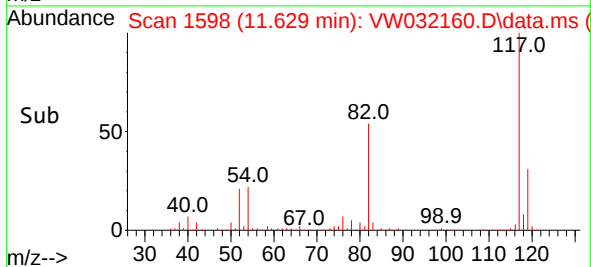
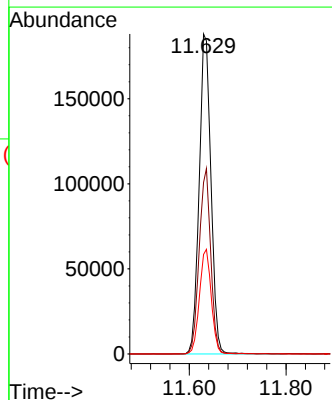
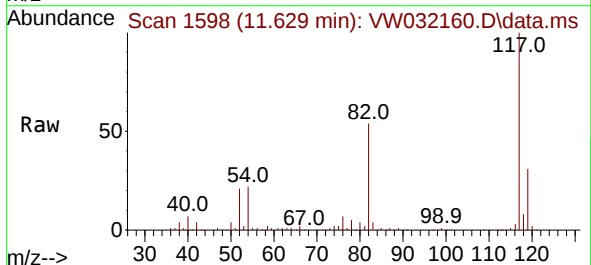
Instrument :
MSVOA_W
ClientSampleId :
SP-A

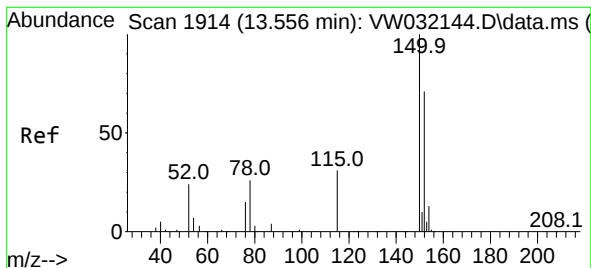
Tgt Ion: 95 Resp: 139180
Ion Ratio Lower Upper
95 100
174 72.7 0.0 145.6
176 72.7 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:30

Tgt Ion: 117 Resp: 316956
Ion Ratio Lower Upper
117 100
82 53.6 42.7 64.1
119 31.1 25.2 37.8

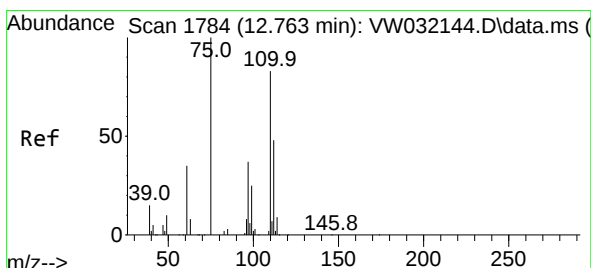
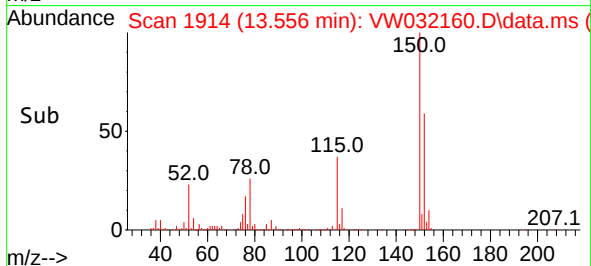
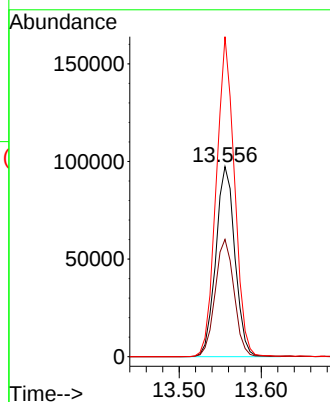
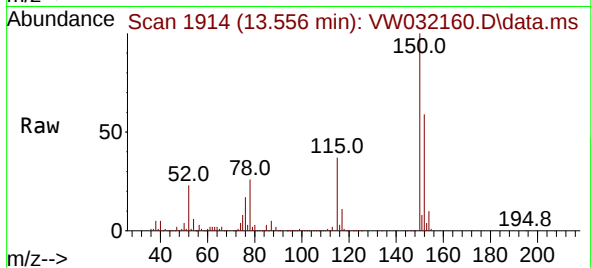




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032160.D
 Acq: 28 Aug 2025 15:30

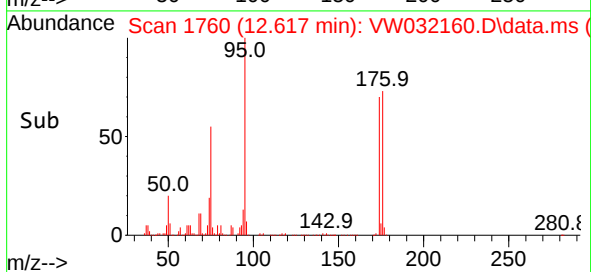
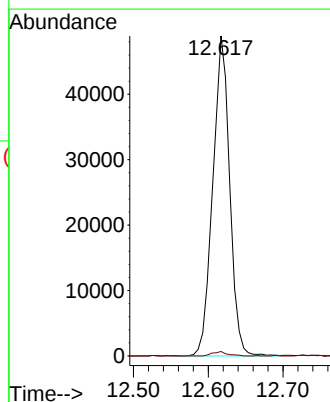
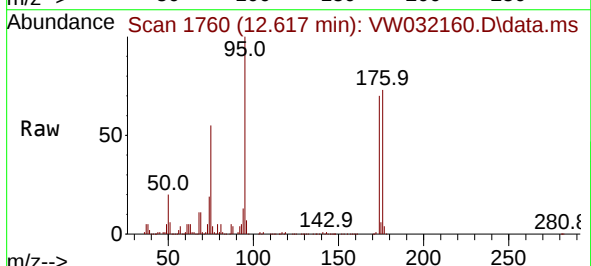
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-A

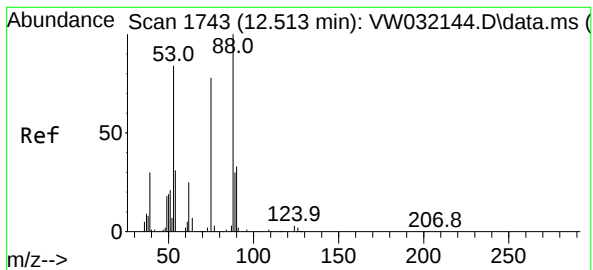
Tgt Ion:152 Resp: 157355
 Ion Ratio Lower Upper
 152 100
 115 61.2 31.8 95.4
 150 160.4 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 38.940 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032160.D
 Acq: 28 Aug 2025 15:30

Tgt Ion: 75 Resp: 76764
 Ion Ratio Lower Upper
 75 100
 77 1.2 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.844 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032160.D
 Acq: 28 Aug 2025 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-A

Tgt Ion: 75 Resp: 76764
 Ion Ratio Lower Upper
 75 100
 53 0.3 91.0 136.6#
 89 0.0 39.4 59.2#

