

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091525\
 Data File : VW032173.D
 Acq On : 15 Sep 2025 15:04
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:36:44 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)

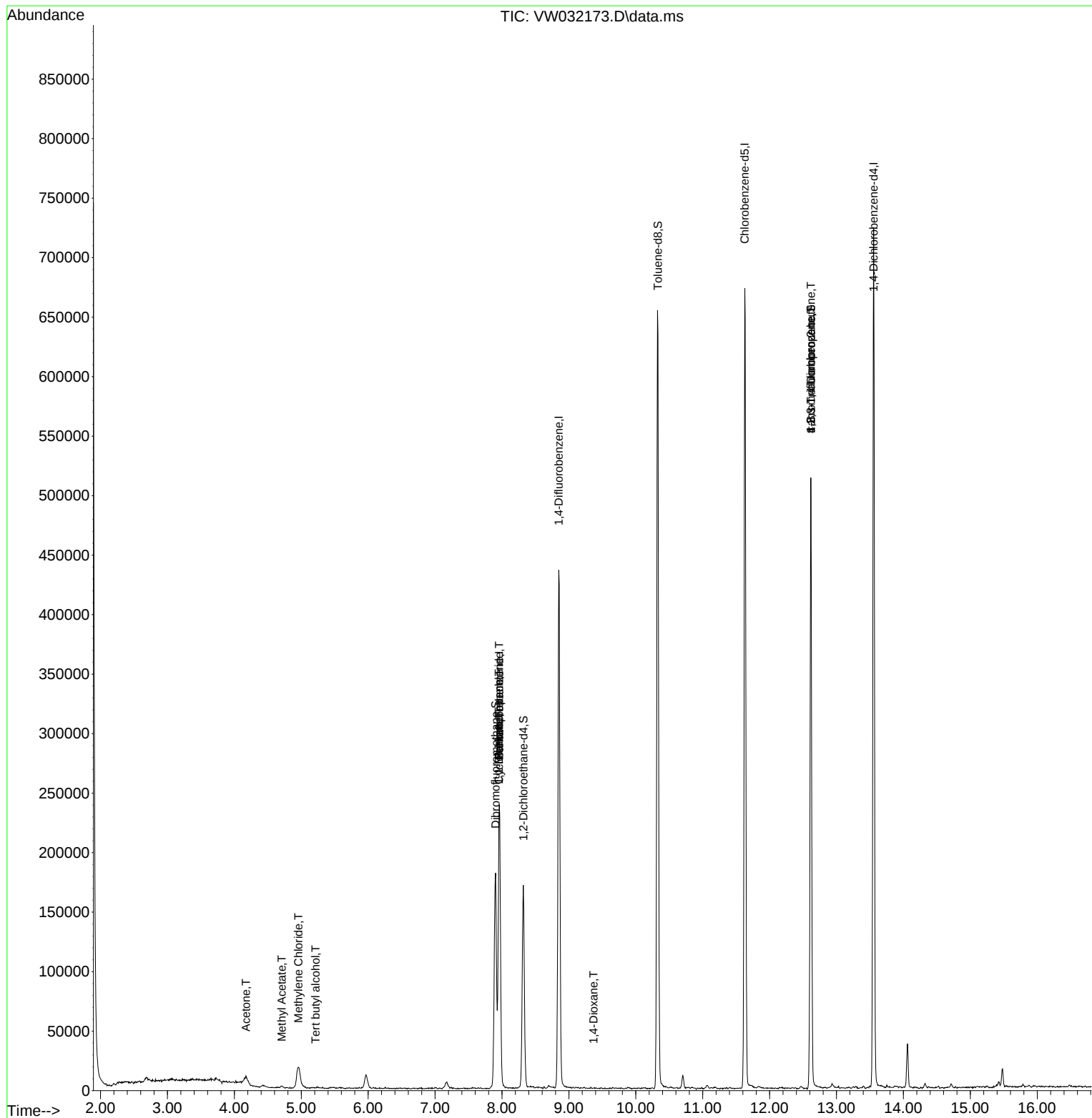
Internal Standards						
1) Pentafluorobenzene	7.959	168	172304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	364816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	356041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	182878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	138835	56.341	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 112.680%		
35) Dibromofluoromethane	7.904	113	130462	50.971	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 101.940%		
50) Toluene-d8	10.331	98	431874	48.065	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 96.140%		
62) 4-Bromofluorobenzene	12.617	95	165597	49.840	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 99.680%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	197	1.307	ug/l #	69
16) Acetone	4.173	43	9724	18.221	ug/l #	79
18) Methyl Acetate	4.710	43	2475	1.456	ug/l #	90
20) Methylene Chloride	4.960	84	16993	4.265	ug/l	94
31) Cyclohexane	7.953	56	4495	1.486	ug/l #	46
36) 1,1-Dichloropropene	7.953	75	15615	4.705	ug/l #	52
38) Carbon Tetrachloride	7.959	117	19203	5.398	ug/l #	17
49) 1,4-Dioxane	9.368	88	52	2.481	ug/l #	80
76) 1,2,3-Trichloropropane	12.617	75	87943	38.385	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	87943	103.349	ug/l #	5

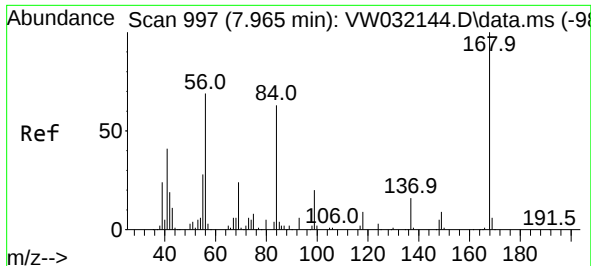
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091525\
Data File : VW032173.D
Acq On : 15 Sep 2025 15:04
Operator : SY/MD
Sample : VIBLK
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 16 06:36:44 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

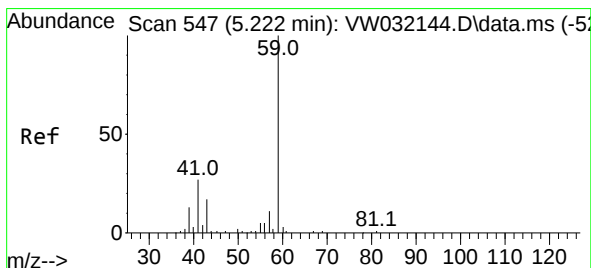
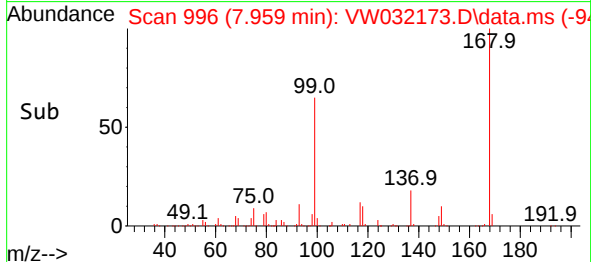
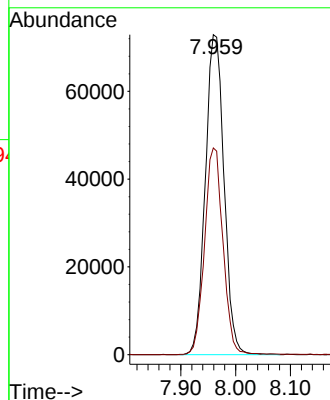
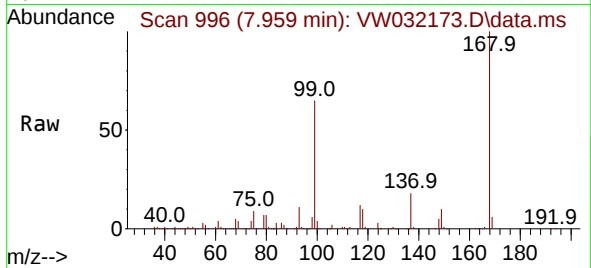




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032173.D
Acq: 15 Sep 2025 15:04

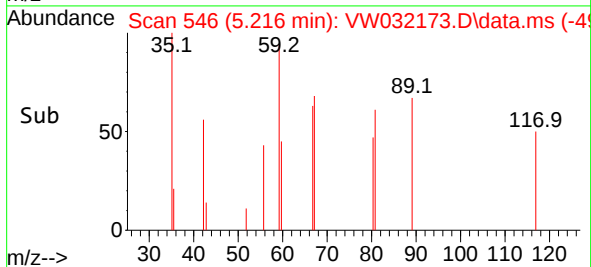
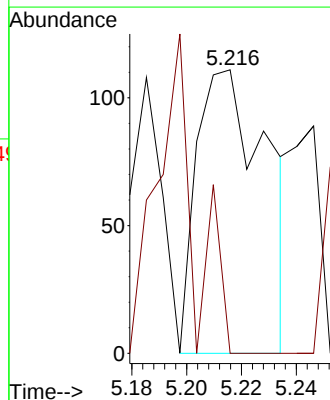
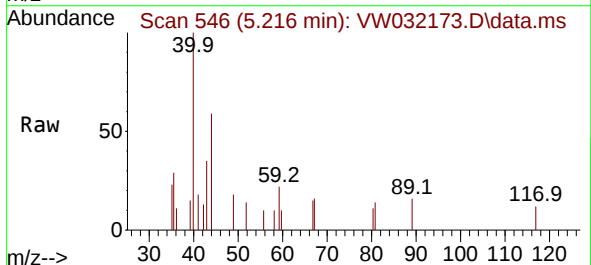
Instrument :
MSVOA_W
ClientSampleId :

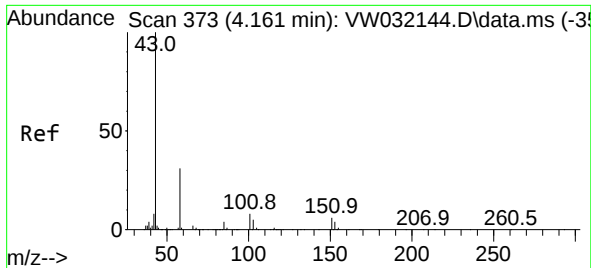
Tgt Ion:168 Resp: 172304
Ion Ratio Lower Upper
168 100
99 64.5 49.3 73.9



#11
Tert butyl alcohol
Concen: 1.307 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032173.D
Acq: 15 Sep 2025 15:04

Tgt Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

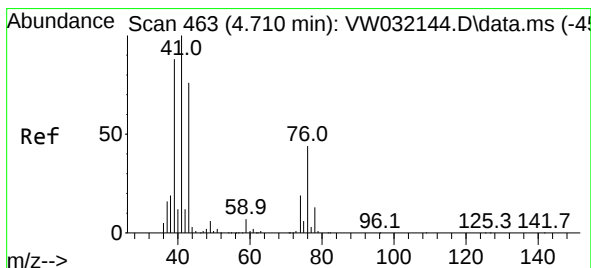
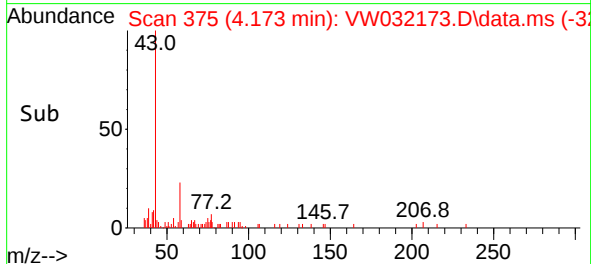
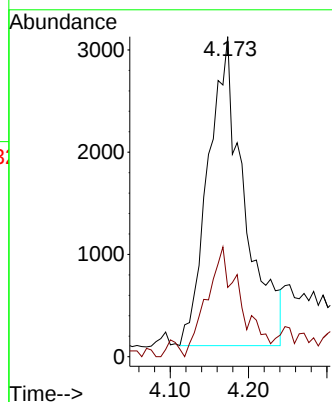
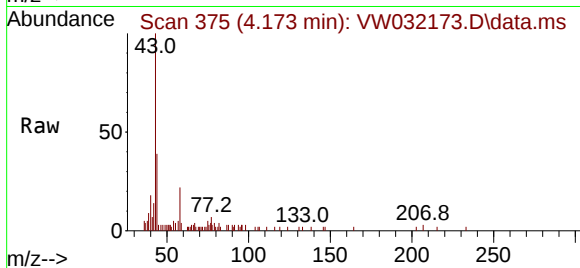




#16
Acetone
Concen: 18.221 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.012 min
Lab File: VW032173.D
Acq: 15 Sep 2025 15:04

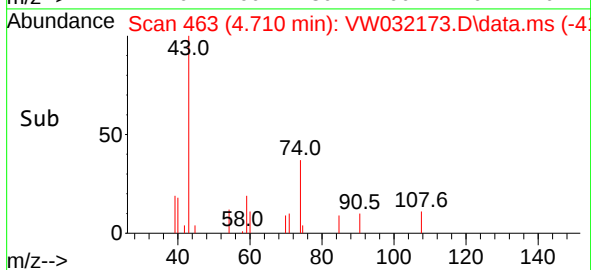
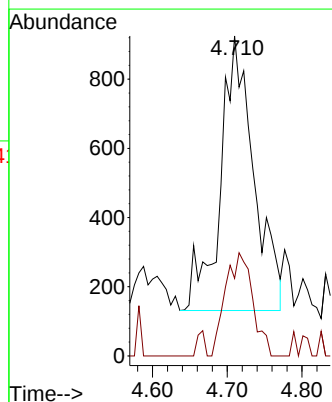
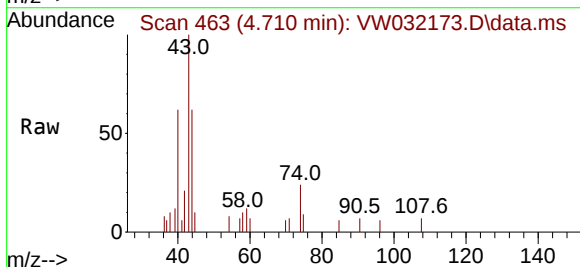
Instrument :
MSVOA_W
ClientSampleId :

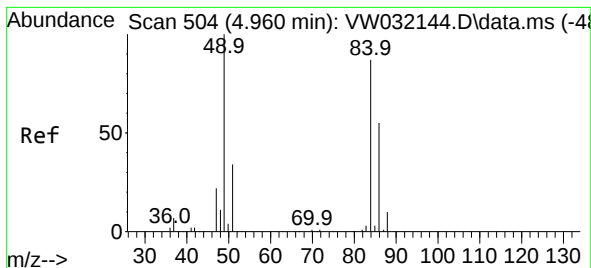
Tgt Ion: 43 Resp: 9724
Ion Ratio Lower Upper
43 100
58 20.0 25.3 37.9#



#18
Methyl Acetate
Concen: 1.456 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032173.D
Acq: 15 Sep 2025 15:04

Tgt Ion: 43 Resp: 2475
Ion Ratio Lower Upper
43 100
74 30.4 20.2 30.4#





#20

Methylene Chloride

Concen: 4.265 ug/l

RT: 4.960 min Scan# 504

Delta R.T. -0.000 min

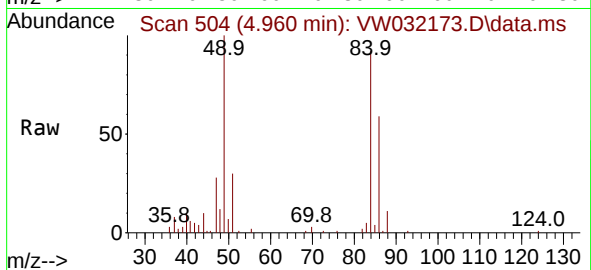
Lab File: VW032173.D

Acq: 15 Sep 2025 15:04

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 84 Resp: 16993

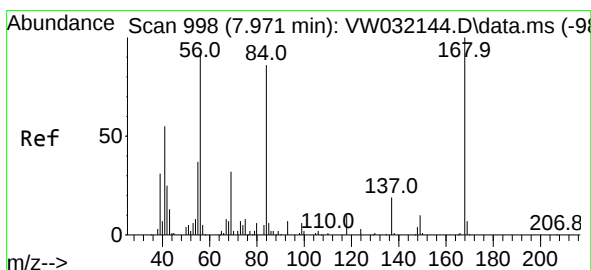
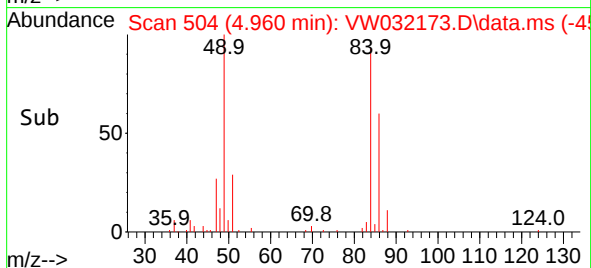
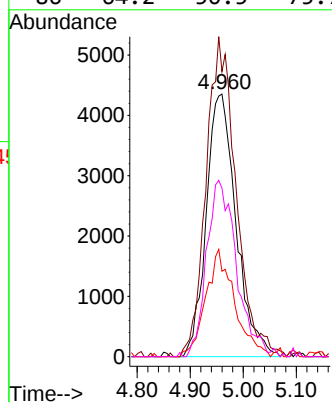
Ion Ratio Lower Upper

84 100

49 108.6 92.2 138.4

51 32.5 31.0 46.6

86 64.2 50.5 75.7



#31

Cyclohexane

Concen: 1.486 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.018 min

Lab File: VW032173.D

Acq: 15 Sep 2025 15:04

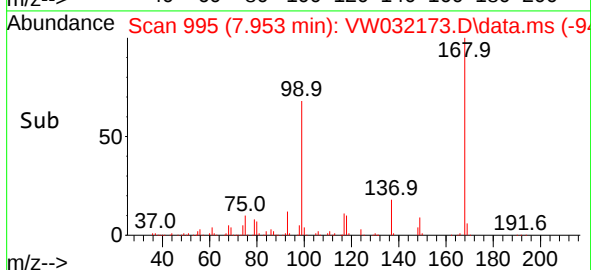
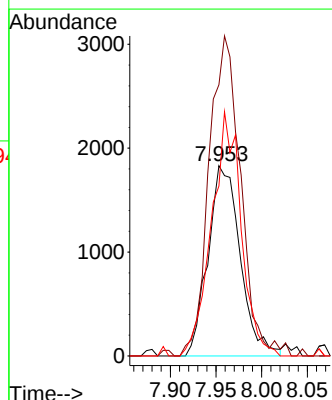
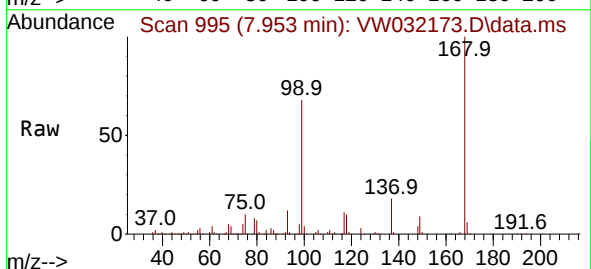
Tgt Ion: 56 Resp: 4495

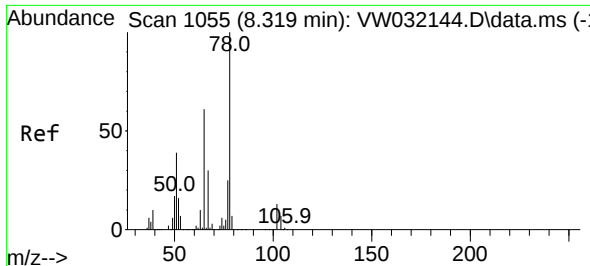
Ion Ratio Lower Upper

56 100

69 142.5 27.7 41.5#

84 89.2 74.6 112.0

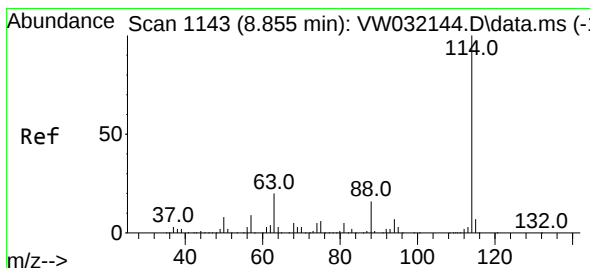
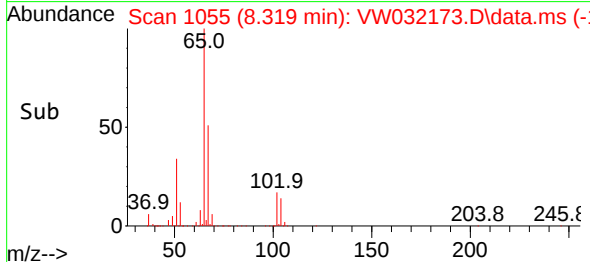
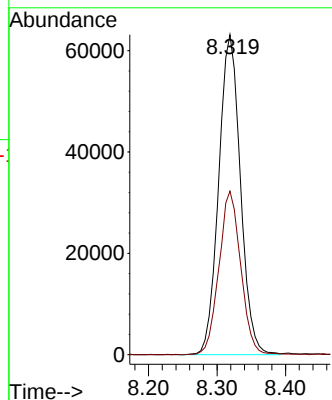
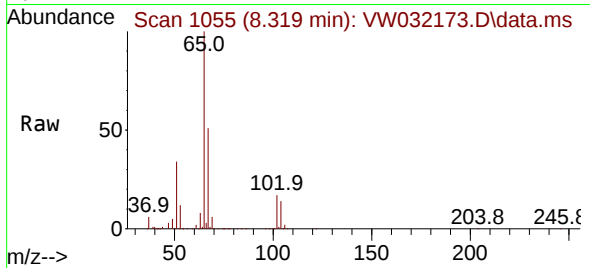




#33
 1,2-Dichloroethane-d4
 Concen: 56.341 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032173.D
 Acq: 15 Sep 2025 15:04

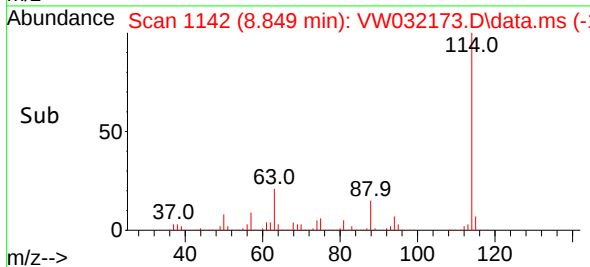
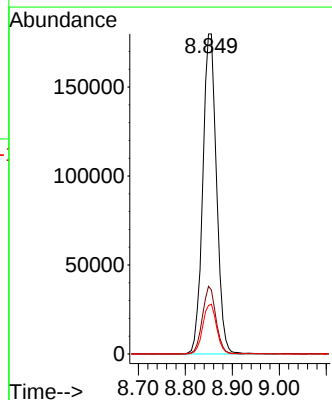
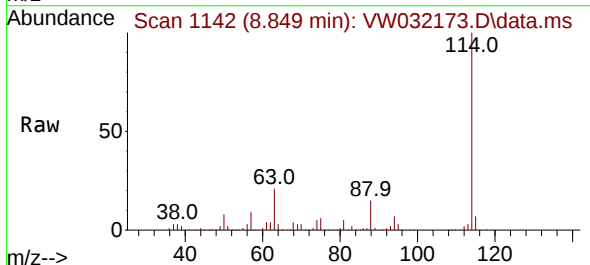
Instrument :
 MSVOA_W
 ClientSampleId :

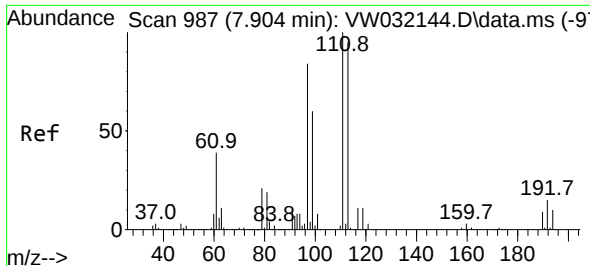
Tgt Ion: 65 Resp: 138835
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032173.D
 Acq: 15 Sep 2025 15:04

Tgt Ion: 114 Resp: 364816
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.4
 88 15.2 0.0 32.0



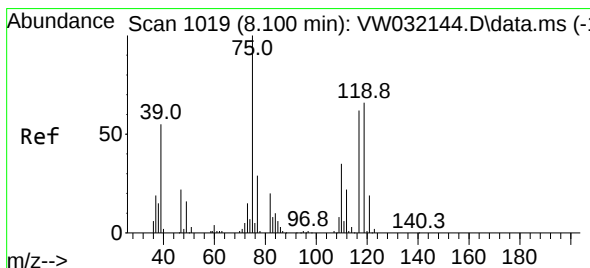
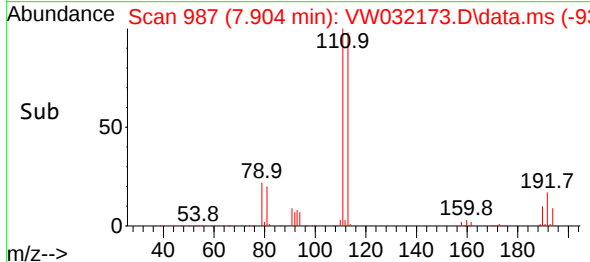
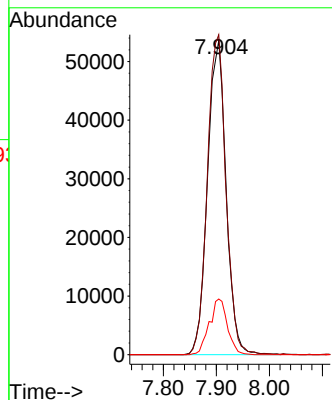
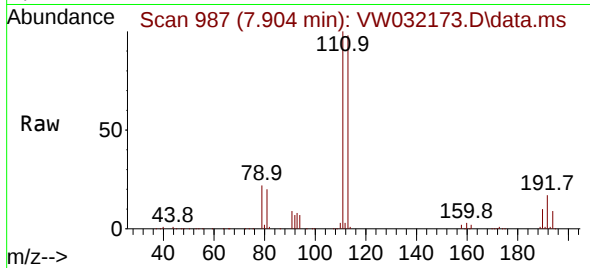


#35
 Dibromofluoromethane
 Concen: 50.971 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VW032173.D
 Acq: 15 Sep 2025 15:04

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:113 Resp: 130462

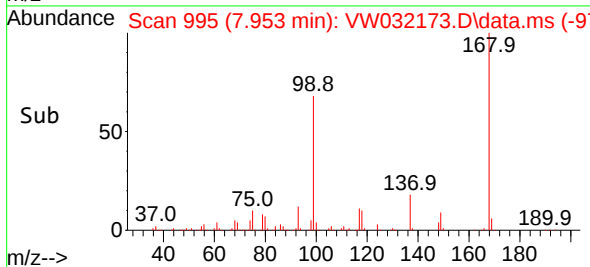
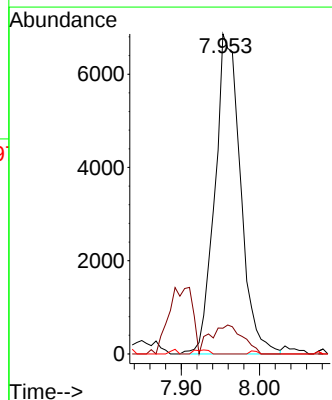
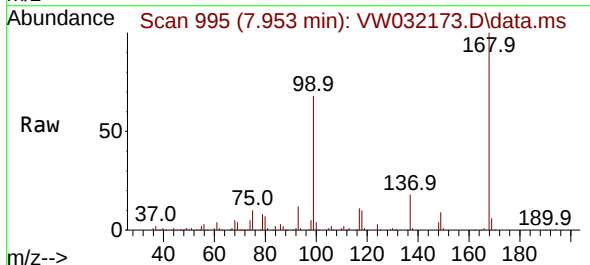
Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.9	125.9
192	17.3	14.6	21.8

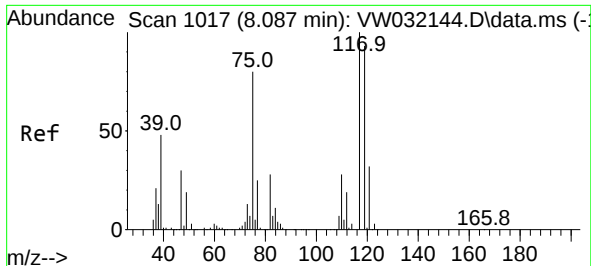


#36
 1,1-Dichloropropene
 Concen: 4.705 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.146 min
 Lab File: VW032173.D
 Acq: 15 Sep 2025 15:04

Tgt Ion: 75 Resp: 15615

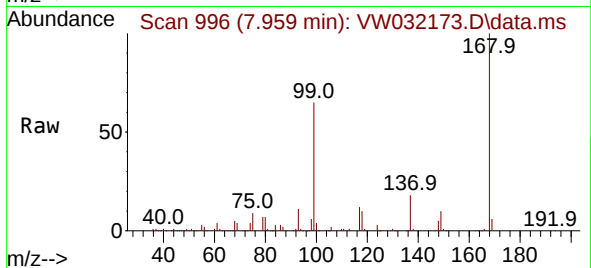
Ion	Ratio	Lower	Upper
75	100		
110	10.6	17.5	52.5#
77	0.0	24.1	36.1#



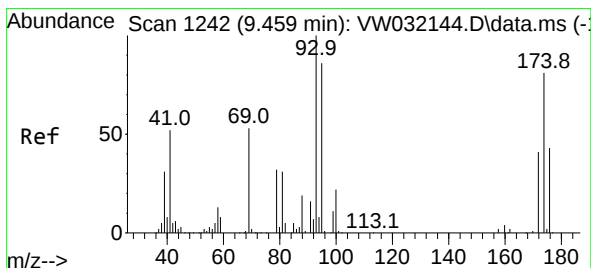
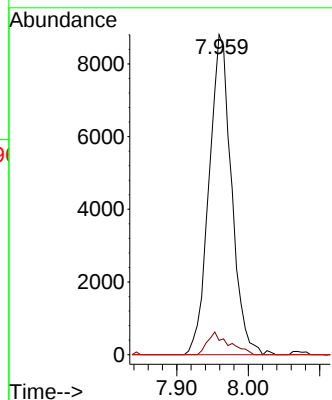
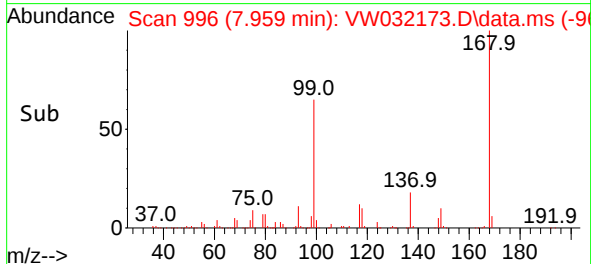


#38
Carbon Tetrachloride
Concen: 5.398 ug/l
RT: 7.959 min Scan# 91
Delta R.T. -0.128 min
Lab File: VW032173.D
Acq: 15 Sep 2025 15:04

Instrument :
MSVOA_W
ClientSampleId :

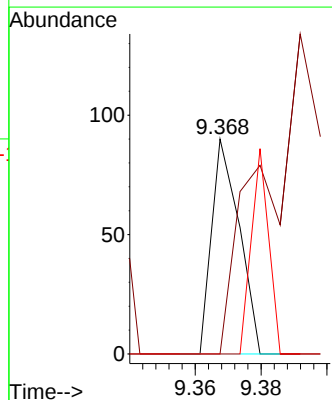
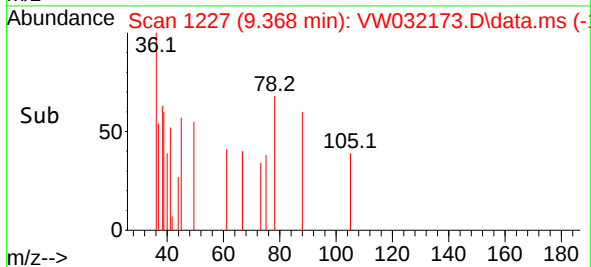
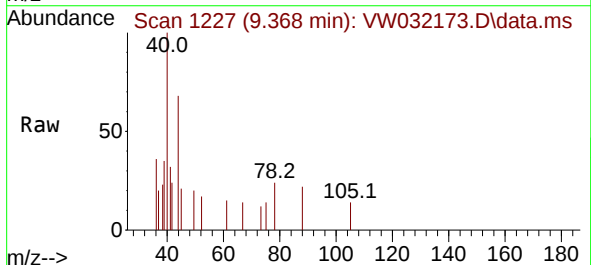


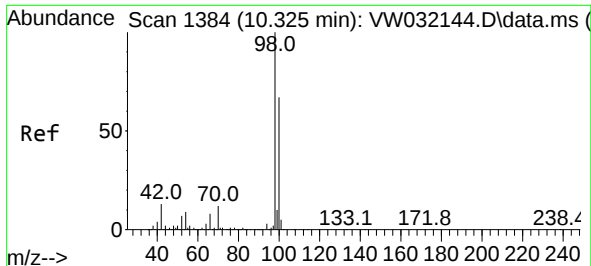
Tgt Ion: 117 Resp: 19203
Ion Ratio Lower Upper
117 100
119 4.5 74.2 111.2#
121 0.0 25.6 38.4#



#49
1,4-Dioxane
Concen: 2.481 ug/l
RT: 9.368 min Scan# 1227
Delta R.T. -0.092 min
Lab File: VW032173.D
Acq: 15 Sep 2025 15:04

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 0.0 18.0 27.0#
58 59.6 55.4 83.0

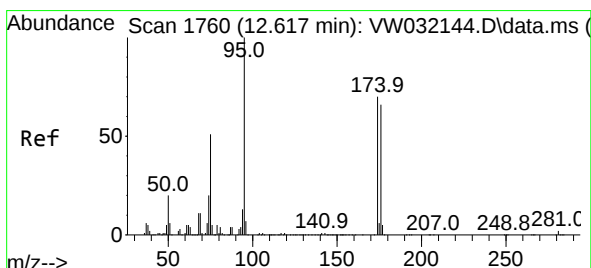
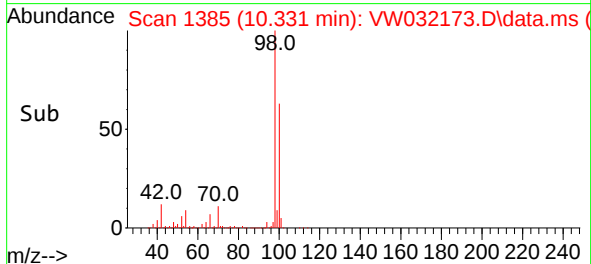
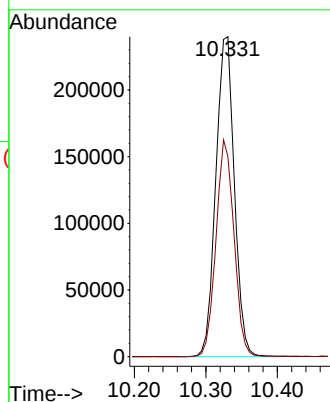
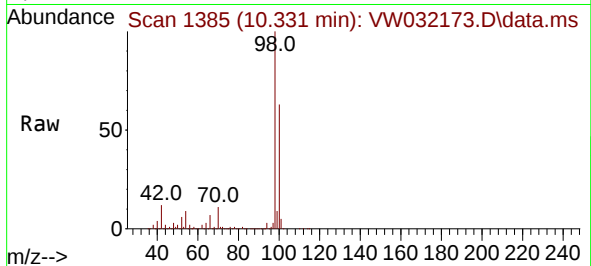




#50
Toluene-d8
Concen: 48.065 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032173.D
Acq: 15 Sep 2025 15:04

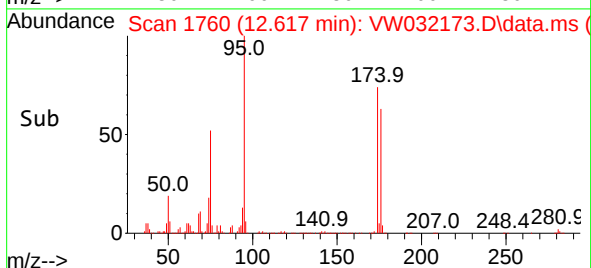
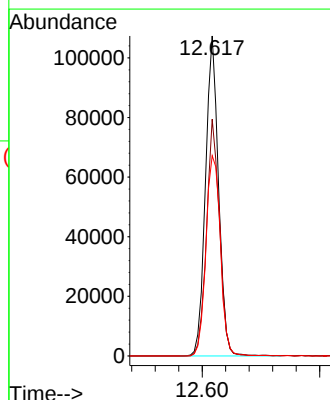
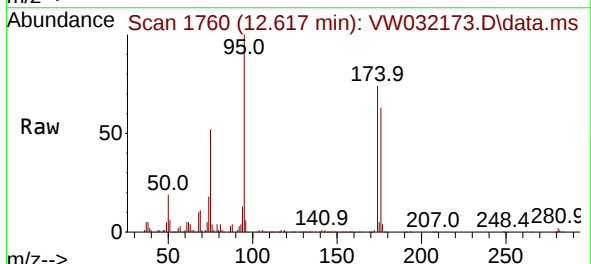
Instrument :
MSVOA_W
ClientSampleId :

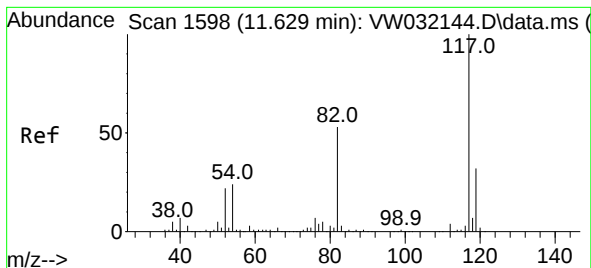
Tgt Ion: 98 Resp: 431874
Ion Ratio Lower Upper
98 100
100 65.9 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 49.840 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032173.D
Acq: 15 Sep 2025 15:04

Tgt Ion: 95 Resp: 165597
Ion Ratio Lower Upper
95 100
174 73.9 0.0 145.6
176 69.3 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: VW032173.D

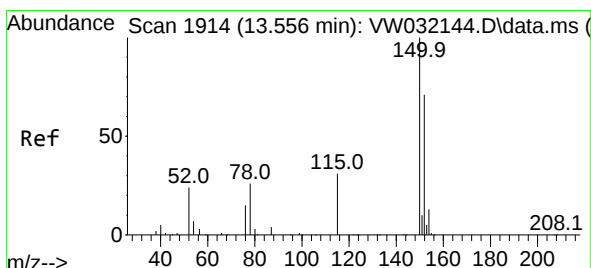
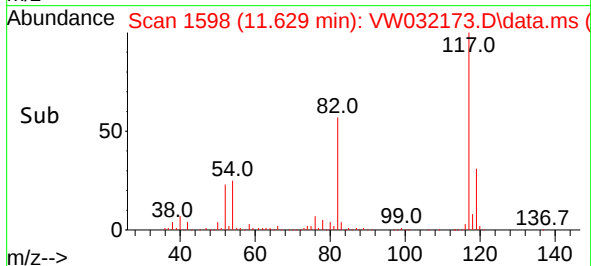
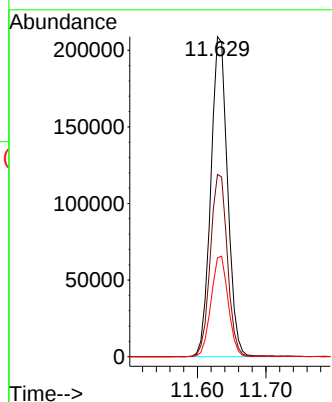
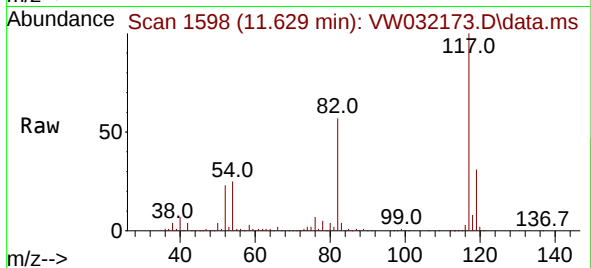
Acq: 15 Sep 2025 15:04

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	117	Resp:	356041
Ion	Ratio	Lower	Upper
117	100		
82	57.0	42.7	64.1
119	30.8	25.2	37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

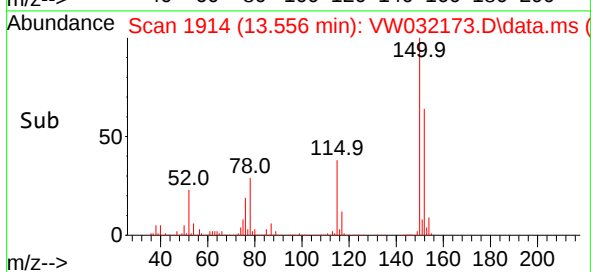
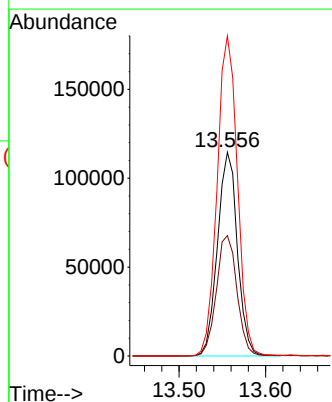
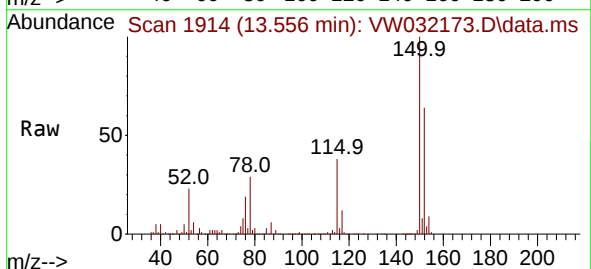
RT: 13.556 min Scan# 1914

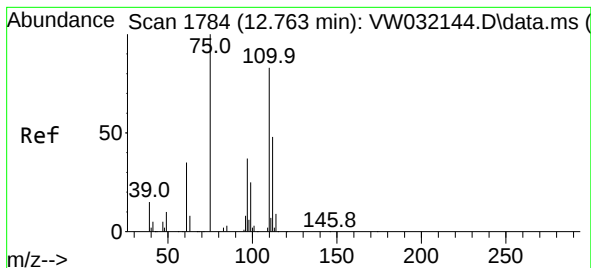
Delta R.T. -0.000 min

Lab File: VW032173.D

Acq: 15 Sep 2025 15:04

Tgt Ion:	152	Resp:	182878
Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.8	95.4
150	160.0	0.0	343.0





#76

1,2,3-Trichloropropane

Concen: 38.385 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032173.D

Acq: 15 Sep 2025 15:04

Instrument :

MSVOA_W

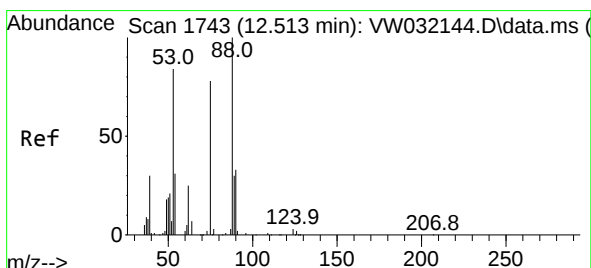
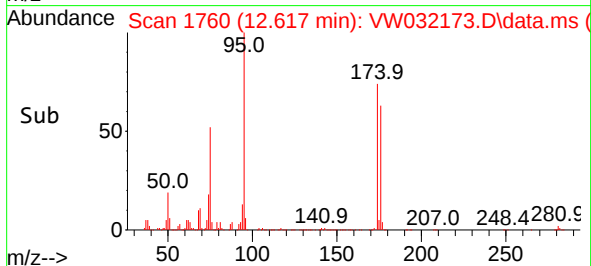
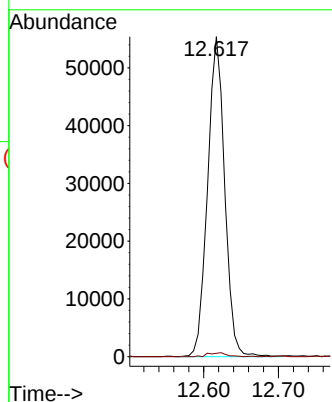
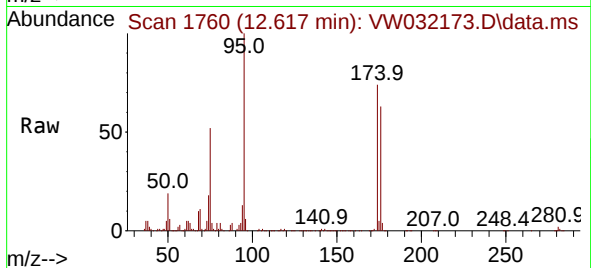
ClientSampleId :

Tgt Ion: 75 Resp: 87943

Ion Ratio Lower Upper

75 100

77 1.3 141.7 425.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.349 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.104 min

Lab File: VW032173.D

Acq: 15 Sep 2025 15:04

Tgt Ion: 75 Resp: 87943

Ion Ratio Lower Upper

75 100

53 0.4 91.0 136.6#

89 0.0 39.4 59.2#

