

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032205.D
 Acq On : 19 Sep 2025 10:08
 Operator : SY/MD
 Sample : VW0919SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 19 23:04:17 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)

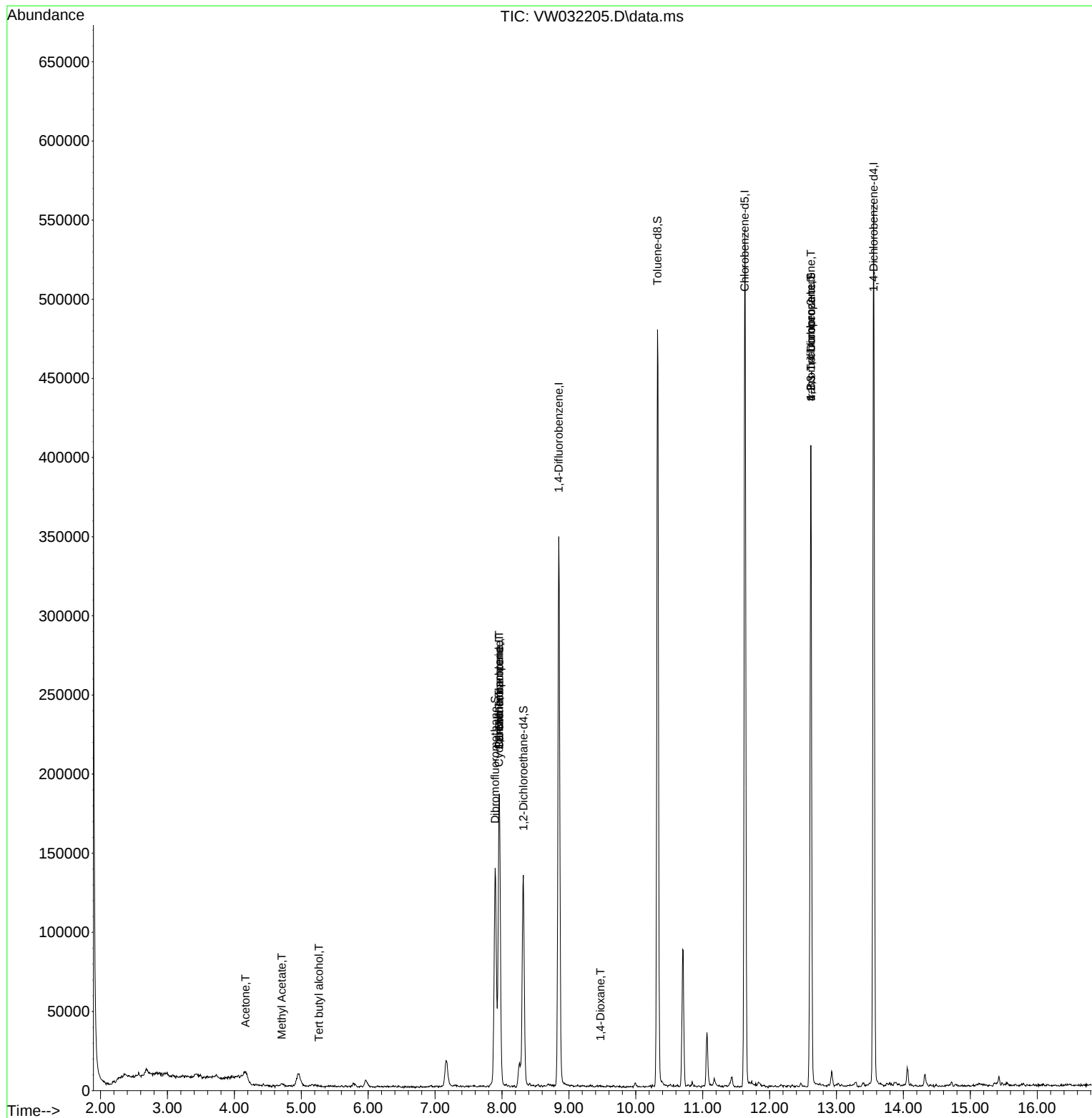
Internal Standards						
1) Pentafluorobenzene	7.959	168	128568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	281974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	287563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	136277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	107935	58.702	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 117.400%		
35) Dibromofluoromethane	7.898	113	95858	48.454	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 96.900%		
50) Toluene-d8	10.325	98	310434	44.700	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 89.400%		
62) 4-Bromofluorobenzene	12.617	95	121634	47.364	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 94.720%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.265	59	149	1.325	ug/l #	1
16) Acetone	4.167	43	6651	16.702	ug/l	91
18) Methyl Acetate	4.710	43	2831	2.231	ug/l	100
31) Cyclohexane	7.953	56	3839	1.701	ug/l #	38
36) 1,1-Dichloropropene	7.959	75	12282	4.788	ug/l #	53
38) Carbon Tetrachloride	7.959	117	15187	5.523	ug/l #	18
49) 1,4-Dioxane	9.471	88	28	1.729	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	68584	40.172	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	68584	108.160	ug/l #	5

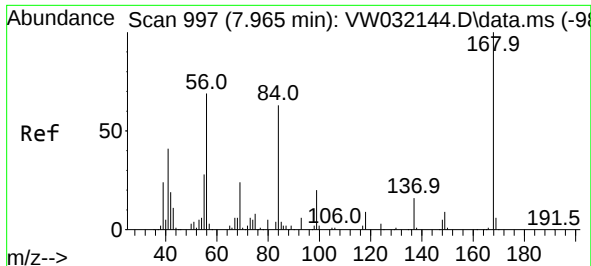
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 19 23:04:17 2025
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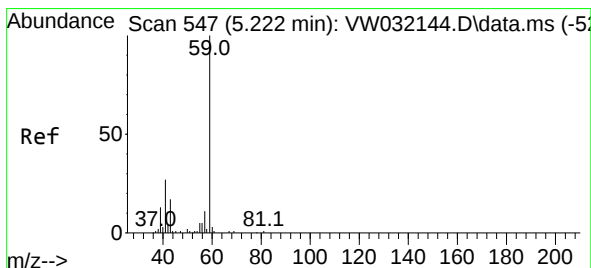
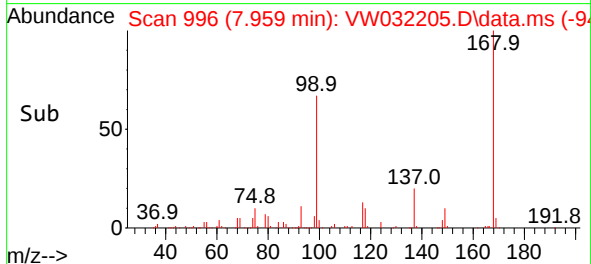
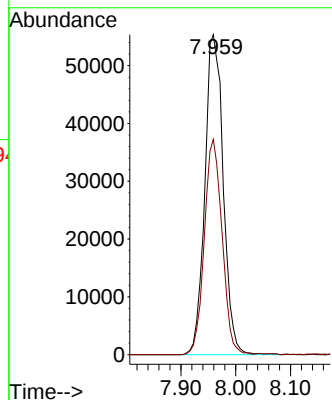
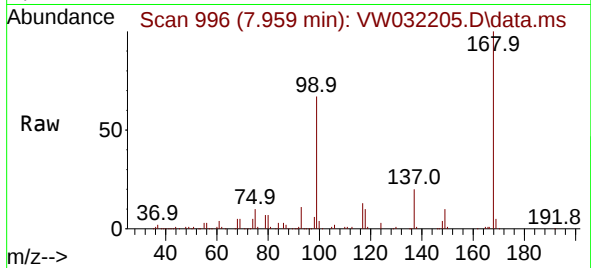




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032205.D
Acq: 19 Sep 2025 10:08

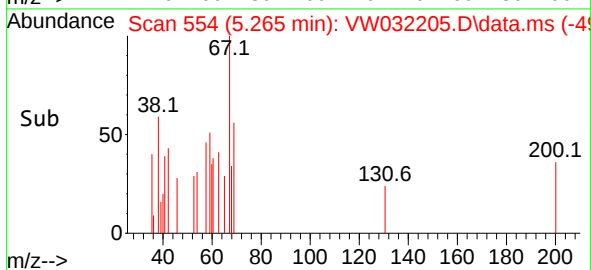
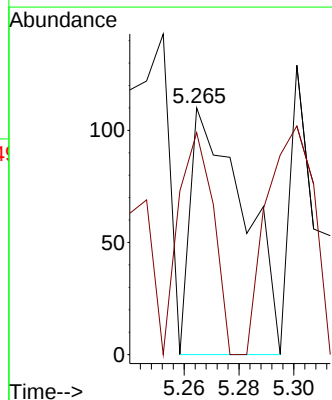
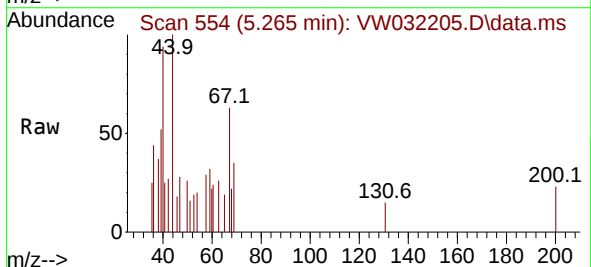
Instrument :
MSVOA_W
ClientSampleId :

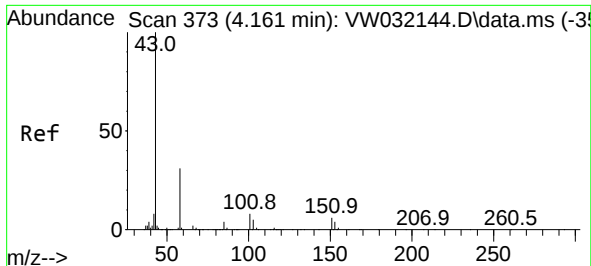
Tgt Ion:168 Resp: 128568
Ion Ratio Lower Upper
168 100
99 67.3 49.3 73.9



#11
Tert butyl alcohol
Concen: 1.325 ug/l
RT: 5.265 min Scan# 554
Delta R.T. 0.043 min
Lab File: VW032205.D
Acq: 19 Sep 2025 10:08

Tgt Ion: 59 Resp: 149
Ion Ratio Lower Upper
59 100
57 58.4 9.8 14.6#

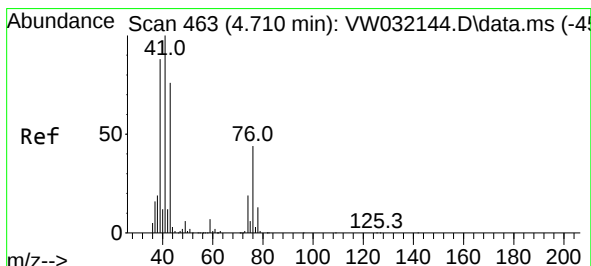
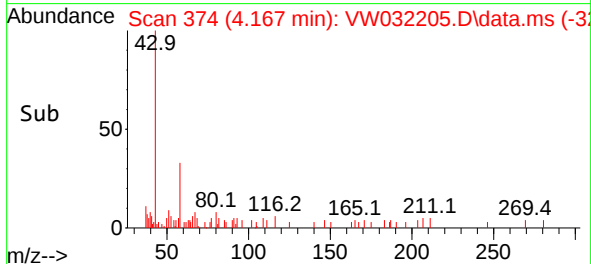
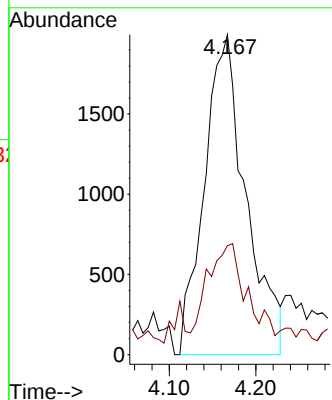
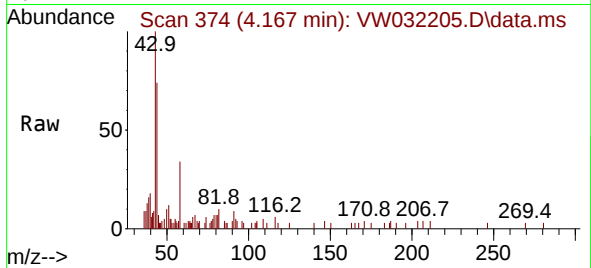




#16
Acetone
Concen: 16.702 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032205.D
Acq: 19 Sep 2025 10:08

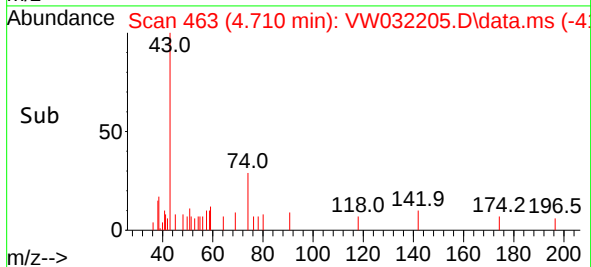
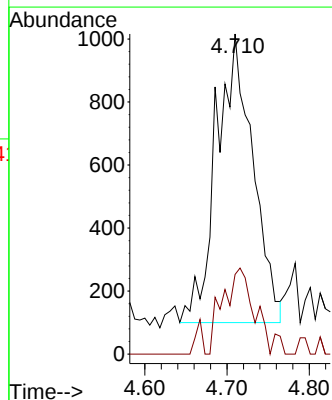
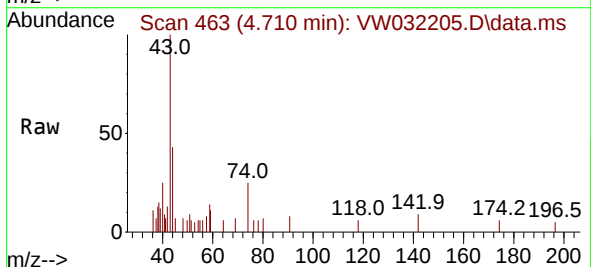
Instrument :
MSVOA_W
ClientSampleId :

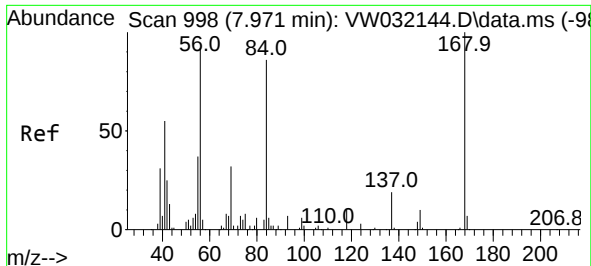
Tgt Ion: 43 Resp: 6651
Ion Ratio Lower Upper
43 100
58 26.6 25.3 37.9



#18
Methyl Acetate
Concen: 2.231 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032205.D
Acq: 19 Sep 2025 10:08

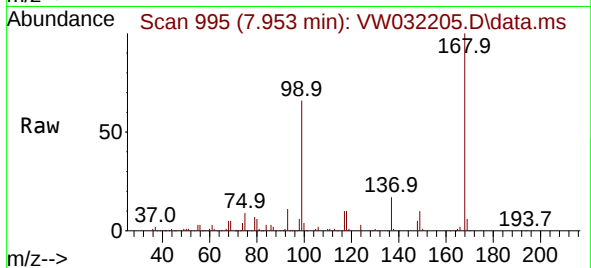
Tgt Ion: 43 Resp: 2831
Ion Ratio Lower Upper
43 100
74 25.2 20.2 30.4



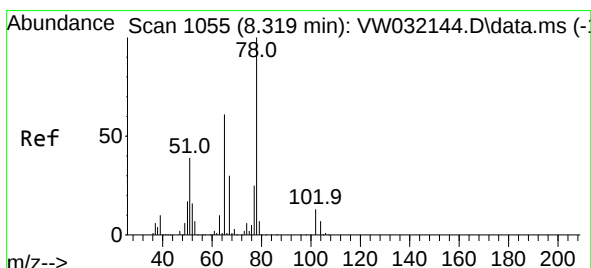
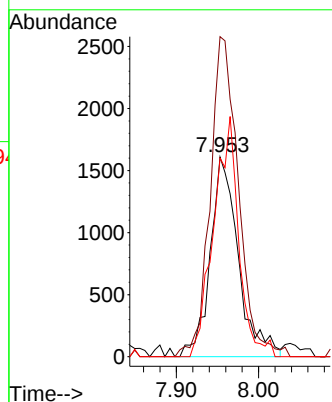
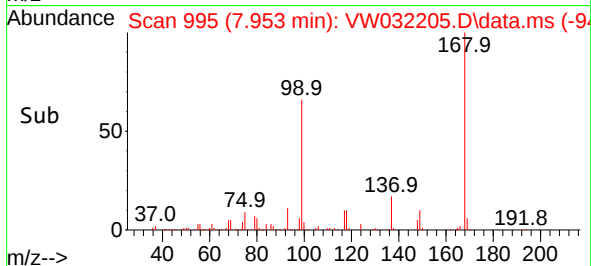


#31
Cyclohexane
Concen: 1.701 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032205.D
Acq: 19 Sep 2025 10:08

Instrument :
MSVOA_W
ClientSampleId :

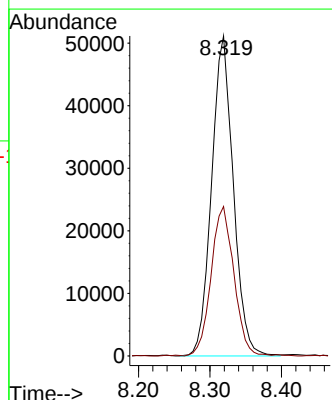
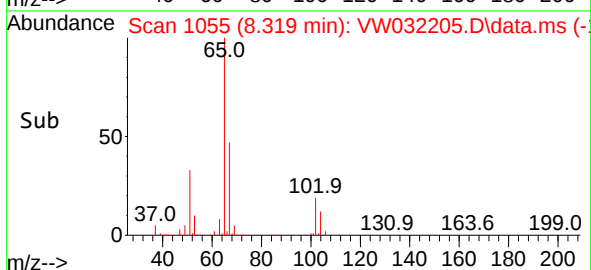
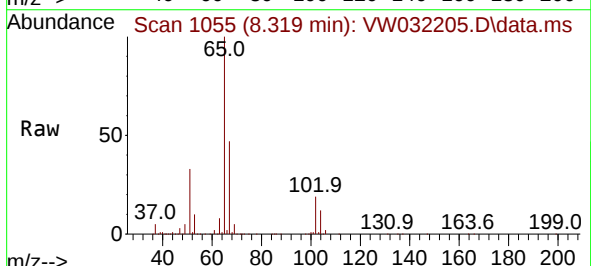


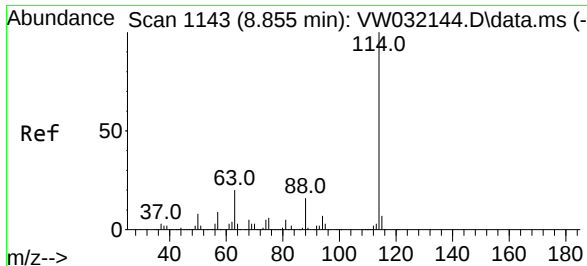
Tgt Ion: 56 Resp: 3839
Ion Ratio Lower Upper
56 100
69 156.8 27.7 41.5#
84 99.4 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 58.702 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032205.D
Acq: 19 Sep 2025 10:08

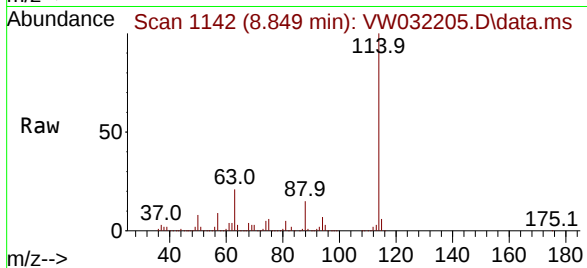
Tgt Ion: 65 Resp: 107935
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.6



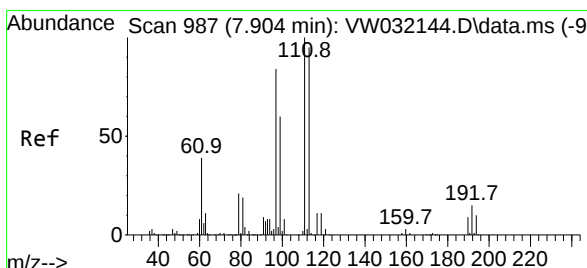
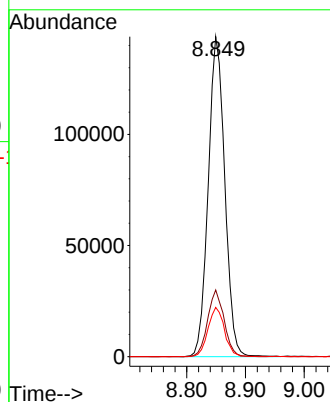
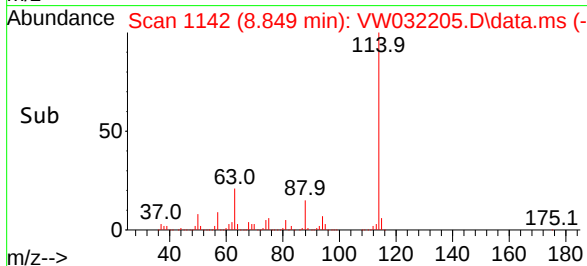


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032205.D
 Acq: 19 Sep 2025 10:08

Instrument :
 MSVOA_W
 ClientSampleId :

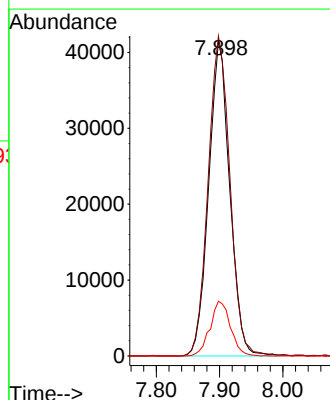
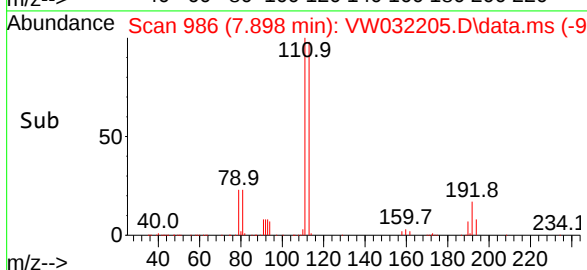
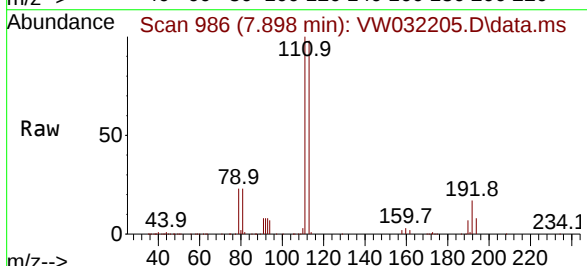


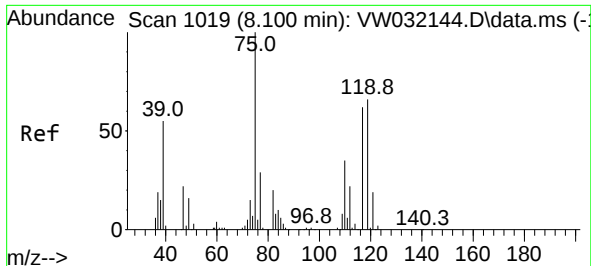
Tgt Ion:114 Resp: 281974
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.4
 88 15.4 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 48.454 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032205.D
 Acq: 19 Sep 2025 10:08

Tgt Ion:113 Resp: 95858
 Ion Ratio Lower Upper
 113 100
 111 105.4 83.9 125.9
 192 16.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.788 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032205.D

Acq: 19 Sep 2025 10:08

Instrument :

MSVOA_W

ClientSampleId :

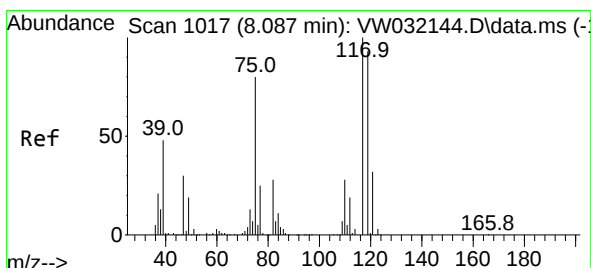
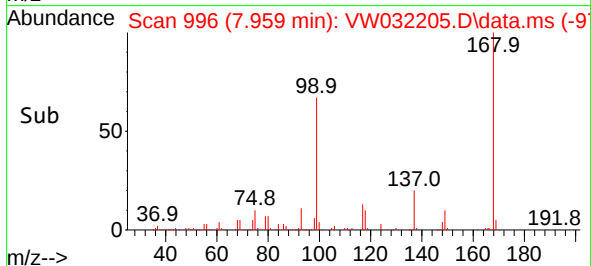
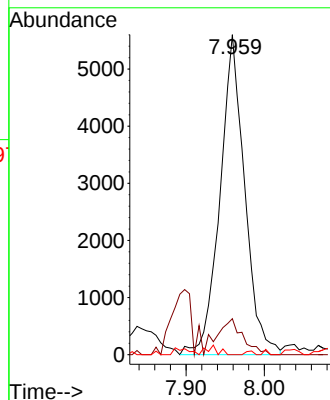
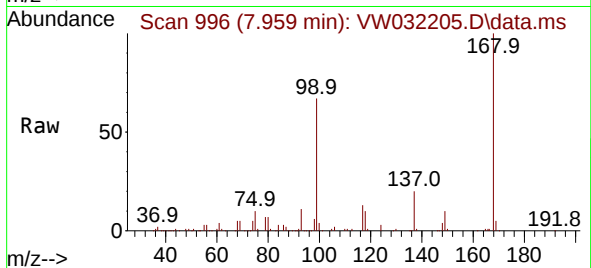
Tgt Ion: 75 Resp: 12282

Ion Ratio Lower Upper

75 100

110 11.7 17.5 52.5#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 5.523 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032205.D

Acq: 19 Sep 2025 10:08

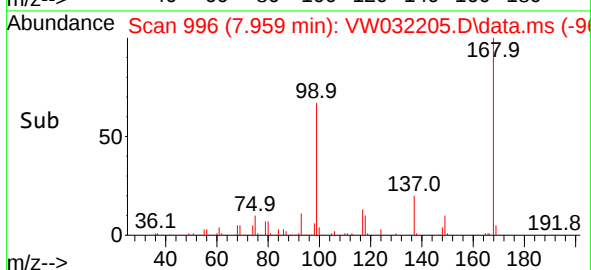
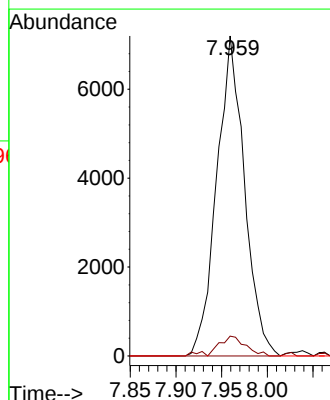
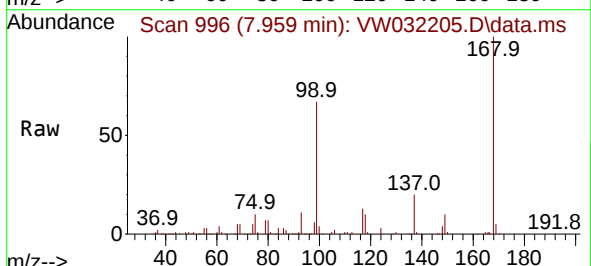
Tgt Ion: 117 Resp: 15187

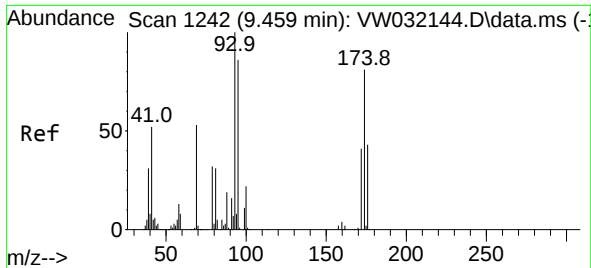
Ion Ratio Lower Upper

117 100

119 6.2 74.2 111.2#

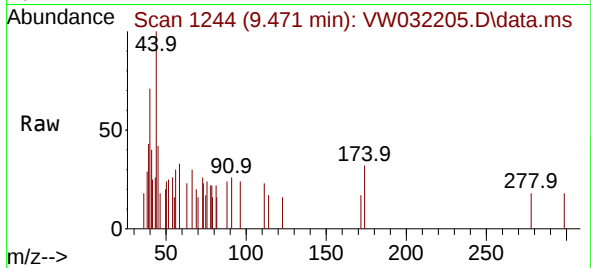
121 0.0 25.6 38.4#



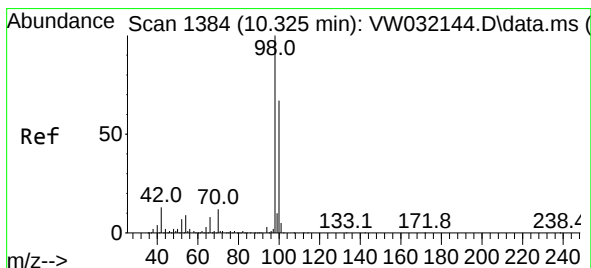
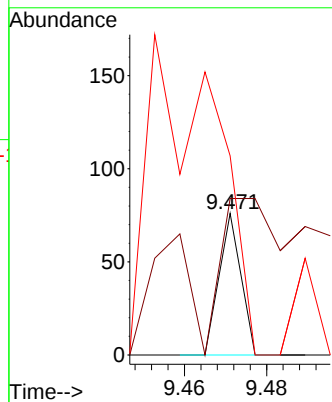
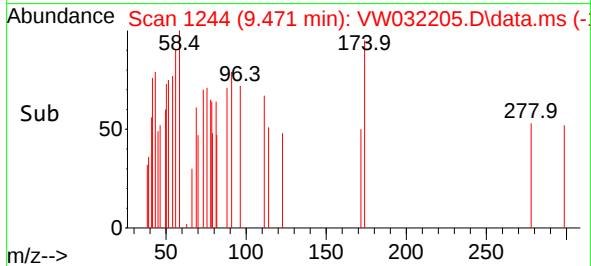


#49
 1,4-Dioxane
 Concen: 1.729 ug/l
 RT: 9.471 min Scan# 1244
 Delta R.T. 0.012 min
 Lab File: VW032205.D
 Acq: 19 Sep 2025 10:08

Instrument :
 MSVOA_W
 ClientSampleId :

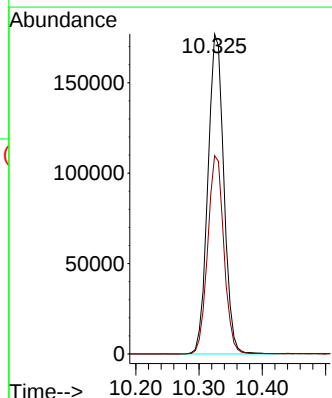
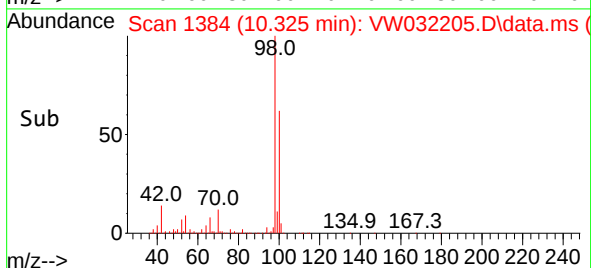
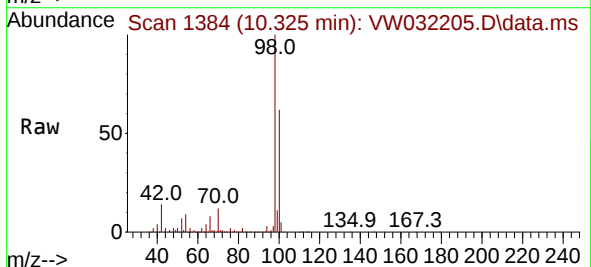


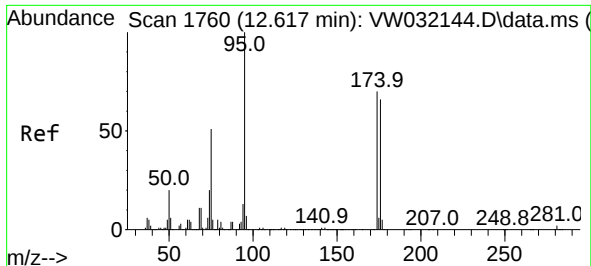
Tgt Ion: 88 Resp: 28
 Ion Ratio Lower Upper
 88 100
 43 292.9 18.0 27.0#
 58 0.0 55.4 83.0#



#50
 Toluene-d8
 Concen: 44.700 ug/l
 RT: 10.325 min Scan# 1384
 Delta R.T. -0.000 min
 Lab File: VW032205.D
 Acq: 19 Sep 2025 10:08

Tgt Ion: 98 Resp: 310434
 Ion Ratio Lower Upper
 98 100
 100 62.9 51.4 77.2

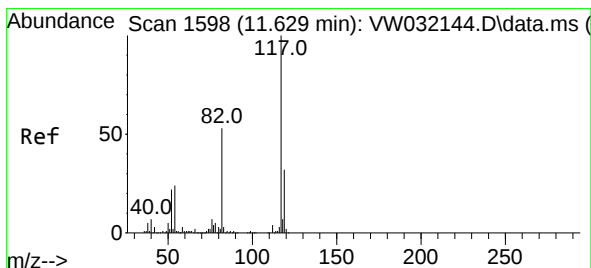
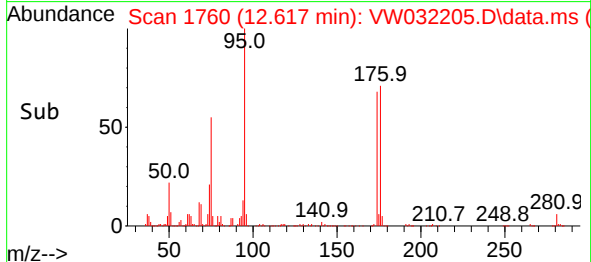
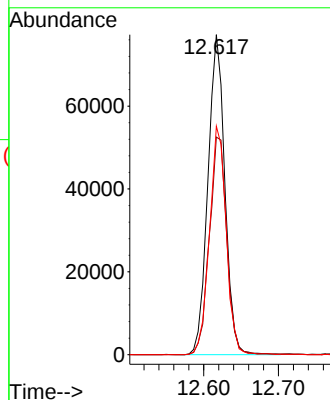
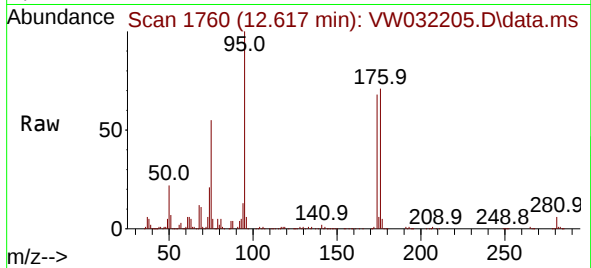




#62
4-Bromofluorobenzene
Concen: 47.364 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032205.D
Acq: 19 Sep 2025 10:08

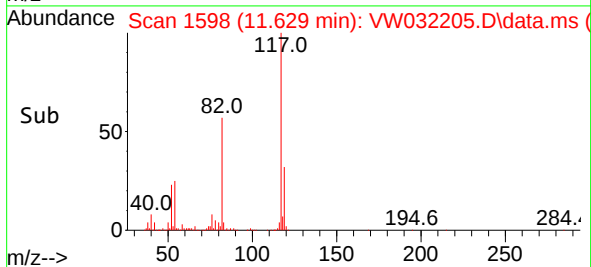
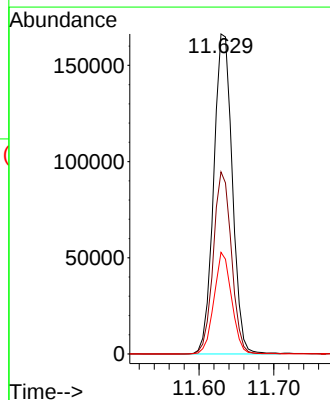
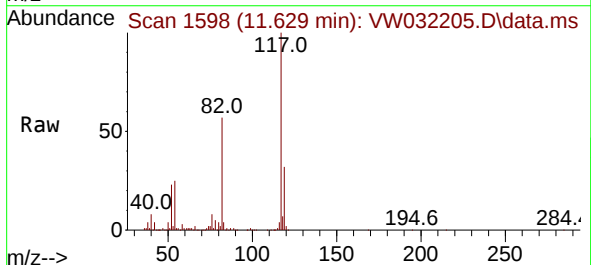
Instrument :
MSVOA_W
ClientSampleId :

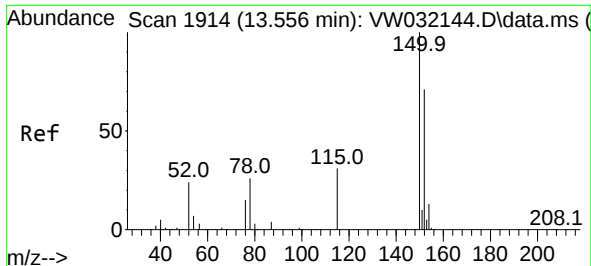
Tgt Ion: 95 Resp: 121634
Ion Ratio Lower Upper
95 100
174 70.3 0.0 145.6
176 70.8 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032205.D
Acq: 19 Sep 2025 10:08

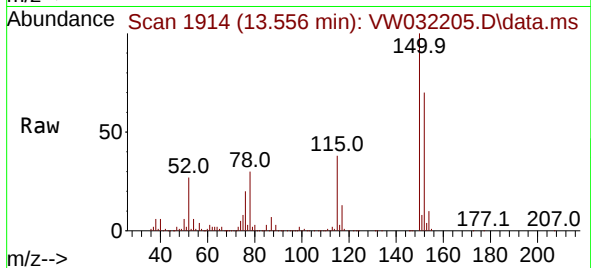
Tgt Ion:117 Resp: 287563
Ion Ratio Lower Upper
117 100
82 56.9 42.7 64.1
119 31.7 25.2 37.8



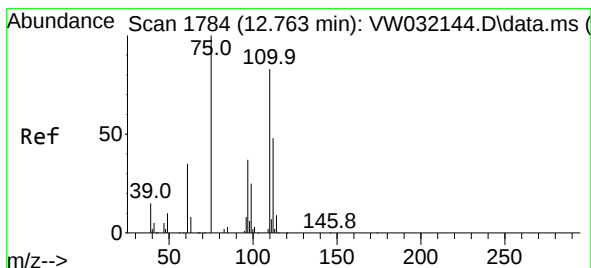
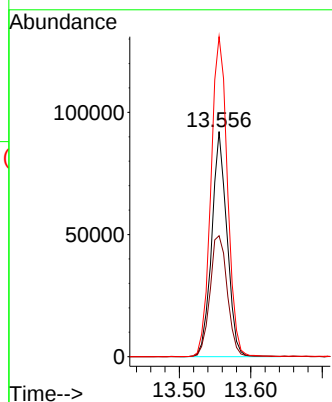
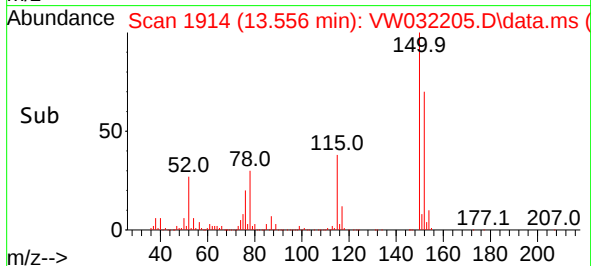


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032205.D
 Acq: 19 Sep 2025 10:08

Instrument :
 MSVOA_W
 ClientSampleId :

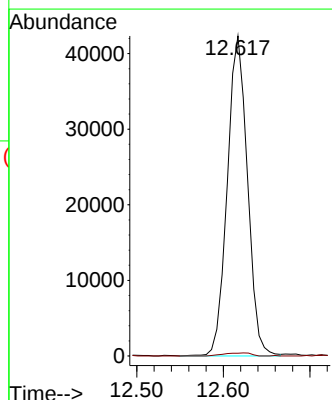
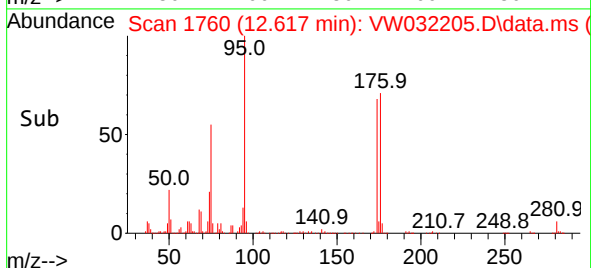
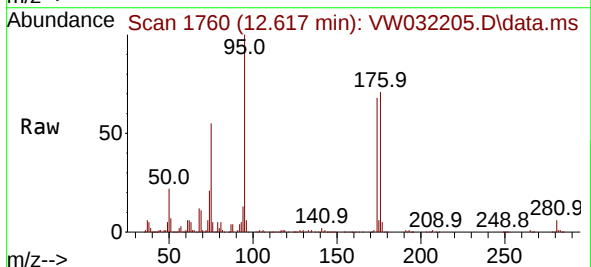


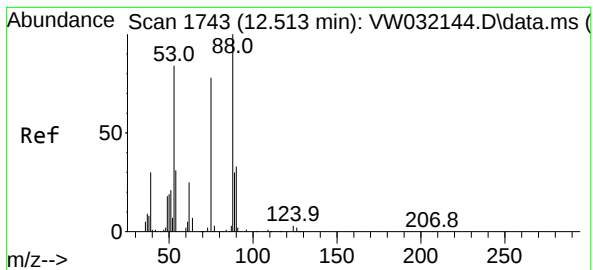
Tgt Ion:152 Resp: 136277
 Ion Ratio Lower Upper
 152 100
 115 61.1 31.8 95.4
 150 154.2 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 40.172 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032205.D
 Acq: 19 Sep 2025 10:08

Tgt Ion: 75 Resp: 68584
 Ion Ratio Lower Upper
 75 100
 77 1.3 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.160 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VW032205.D
 Acq: 19 Sep 2025 10:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion: 75 Resp: 68584
 Ion Ratio Lower Upper
 75 100
 53 0.5 91.0 136.6#
 89 0.0 39.4 59.2#

