

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032161.D
 Acq On : 28 Aug 2025 15:52
 Operator : SY/MD
 Sample : Q2973-01
 Misc : 5.07g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-B

Quant Time: Aug 29 01:21:22 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)

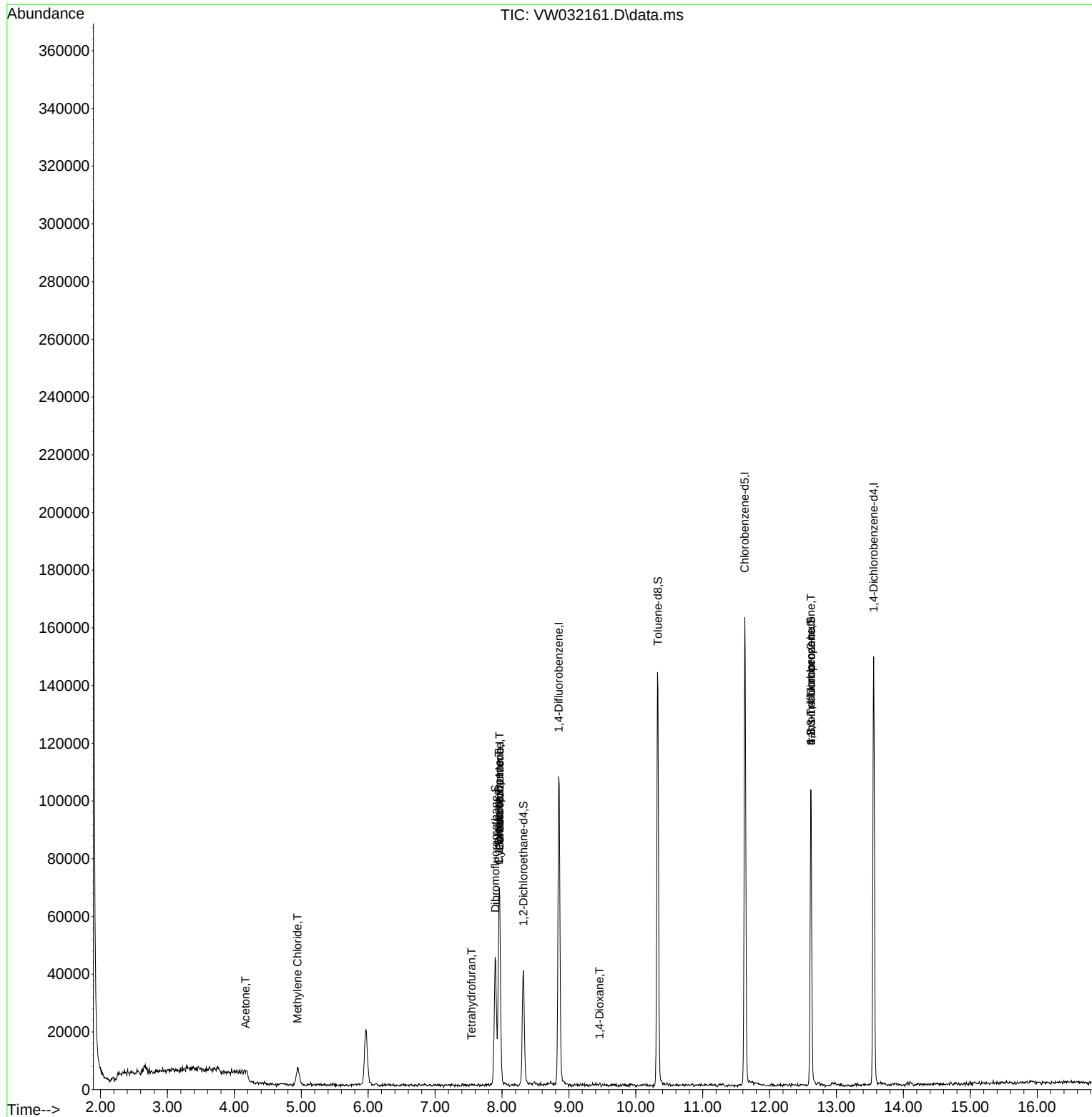
Internal Standards						
1) Pentafluorobenzene	7.965	168	47281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	88813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	84073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	37826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	32965	48.752	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	97.500%	
35) Dibromofluoromethane	7.898	113	30431	48.838	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	97.680%	
50) Toluene-d8	10.331	98	94212	43.070	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	86.140%	
62) 4-Bromofluorobenzene	12.617	95	32950	40.736	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	81.480%	
Target Compounds						
					Qvalue	
16) Acetone	4.167	43	1344	9.178	ug/l	89
20) Methylene Chloride	4.941	84	4937	4.742	ug/l	90
29) Tetrahydrofuran	7.545	42	147	1.115	ug/l #	74
31) Cyclohexane	7.953	56	1538	1.853	ug/l #	6
36) 1,1-Dichloropropene	7.953	75	4530	5.607	ug/l #	51
38) Carbon Tetrachloride	7.965	117	5153	5.950	ug/l #	19
49) 1,4-Dioxane	9.459	88	55	10.781	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	18588	39.225	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	18588	105.611	ug/l #	5

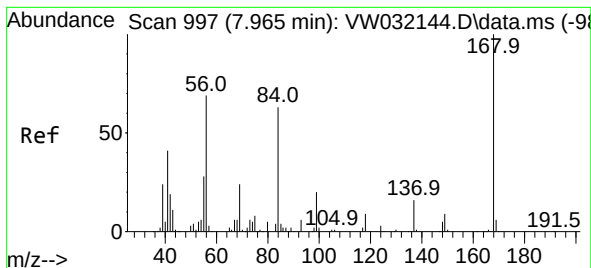
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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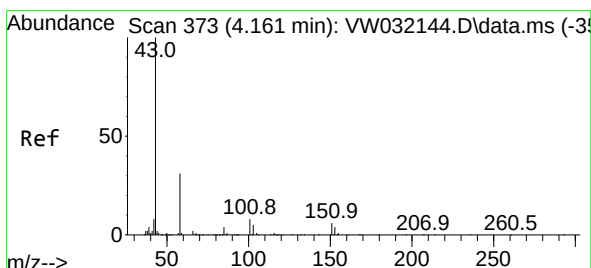
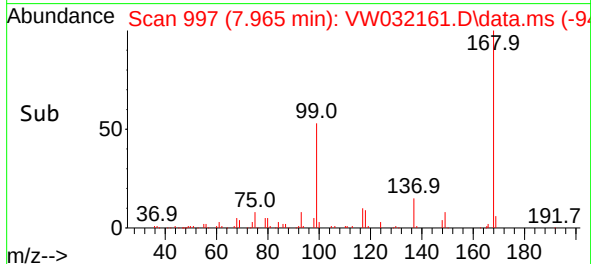
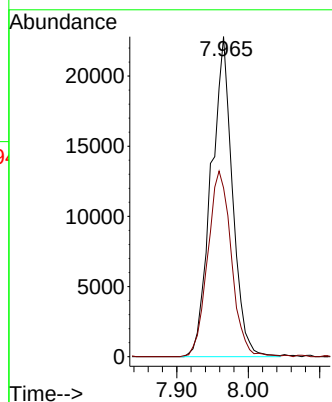
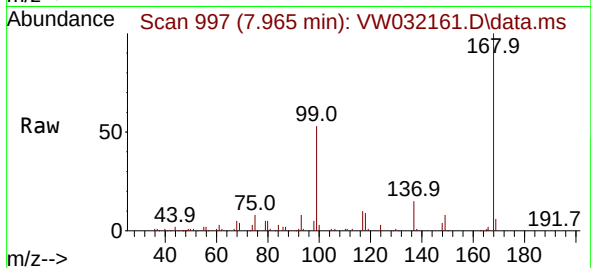




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032161.D
Acq: 28 Aug 2025 15:52

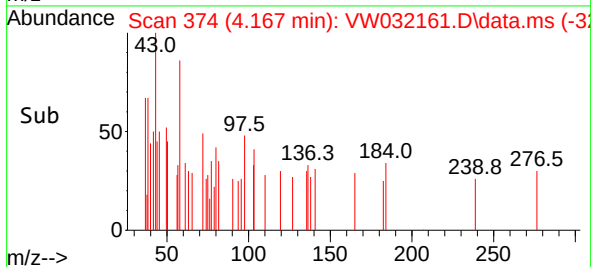
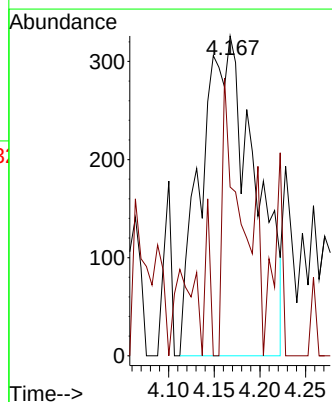
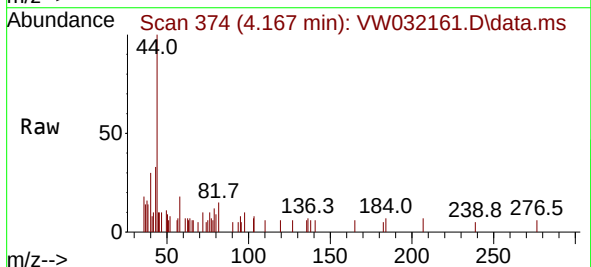
Instrument :
MSVOA_W
ClientSampleId :
SP-B

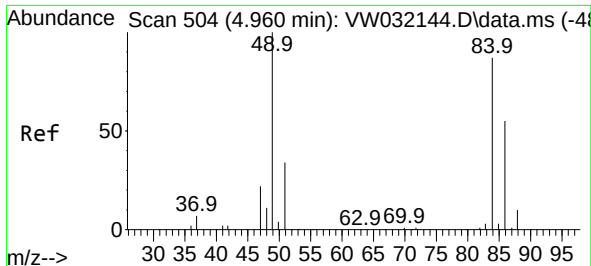
Tgt Ion:168 Resp: 47281
Ion Ratio Lower Upper
168 100
99 52.7 49.3 73.9



#16
Acetone
Concen: 9.178 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032161.D
Acq: 28 Aug 2025 15:52

Tgt Ion: 43 Resp: 1344
Ion Ratio Lower Upper
43 100
58 25.8 25.3 37.9

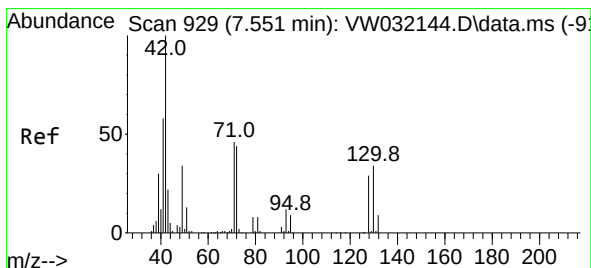
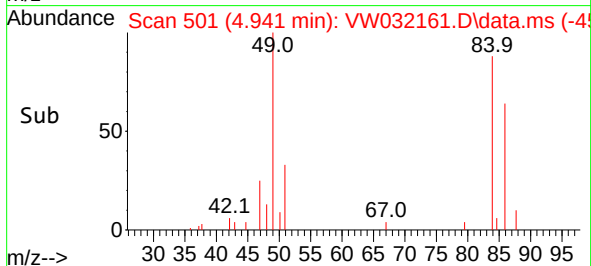
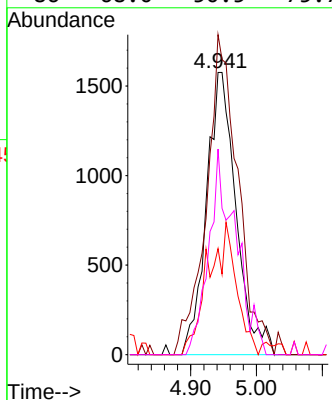
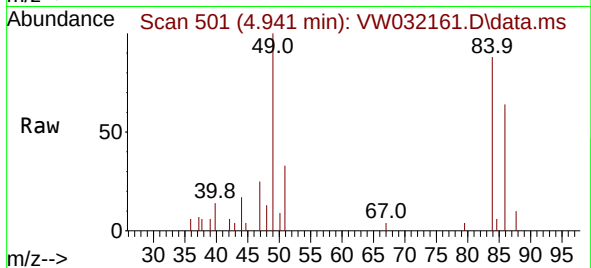




#20
Methylene Chloride
Concen: 4.742 ug/l
RT: 4.941 min Scan# 504
Delta R.T. -0.019 min
Lab File: VW032161.D
Acq: 28 Aug 2025 15:52

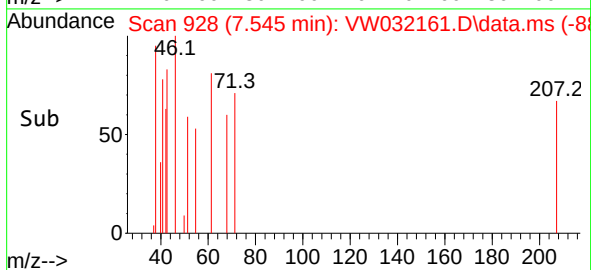
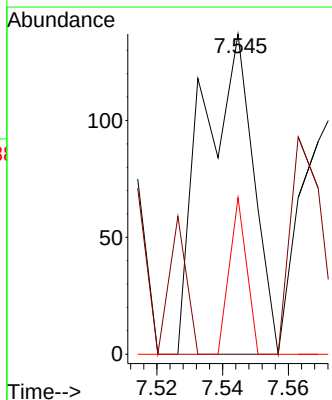
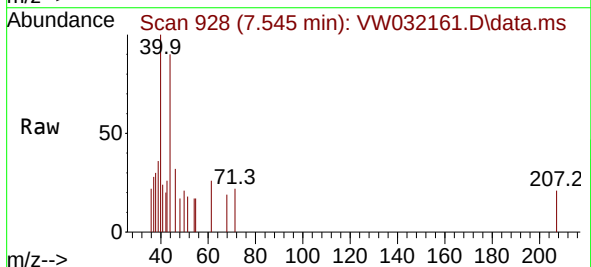
Instrument :
MSVOA_W
ClientSampleId :
SP-B

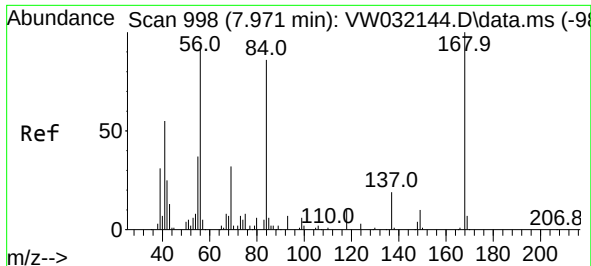
Tgt Ion:	84	Resp:	4937
Ion	Ratio	Lower	Upper
84	100		
49	101.5	92.2	138.4
51	35.1	31.0	46.6
86	68.0	50.5	75.7



#29
Tetrahydrofuran
Concen: 1.115 ug/l
RT: 7.545 min Scan# 928
Delta R.T. -0.006 min
Lab File: VW032161.D
Acq: 28 Aug 2025 15:52

Tgt Ion:	42	Resp:	147
Ion	Ratio	Lower	Upper
42	100		
72	40.8	37.4	56.2
71	17.0	36.0	54.0

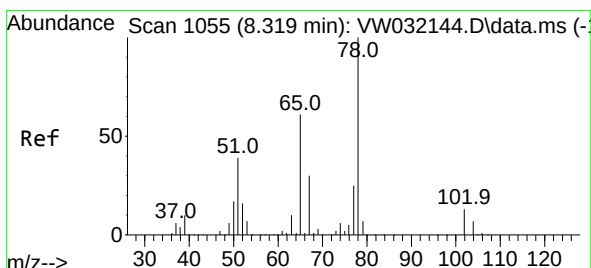
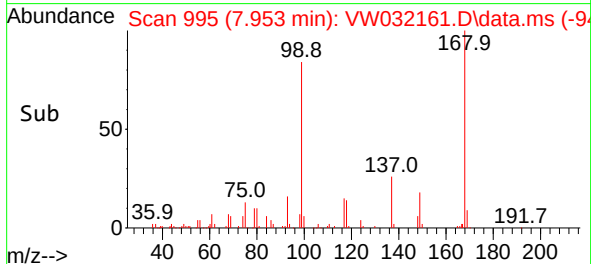
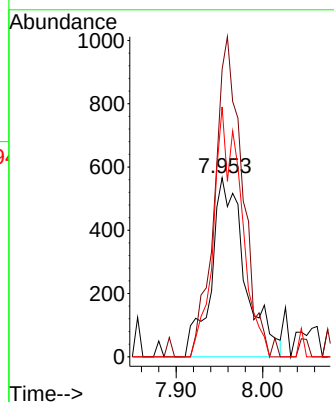
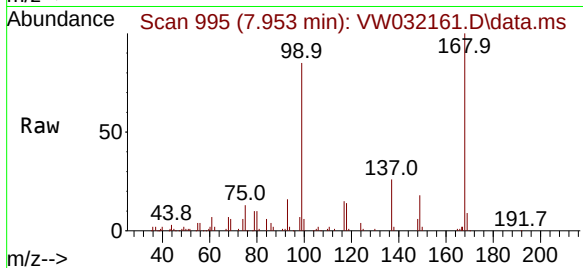




#31
Cyclohexane
Concen: 1.853 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032161.D
Acq: 28 Aug 2025 15:52

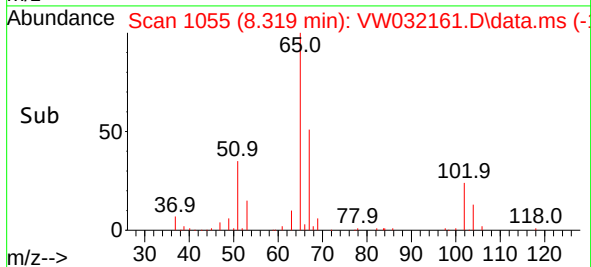
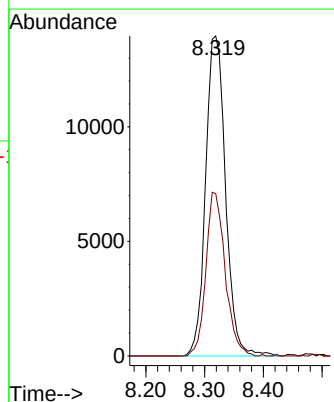
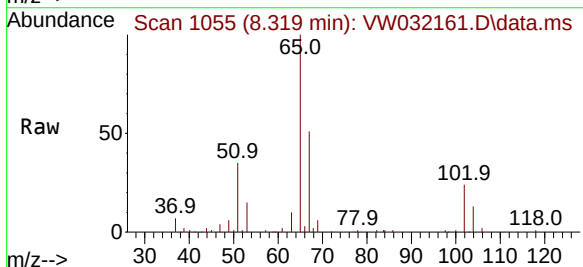
Instrument :
MSVOA_W
ClientSampleId :
SP-B

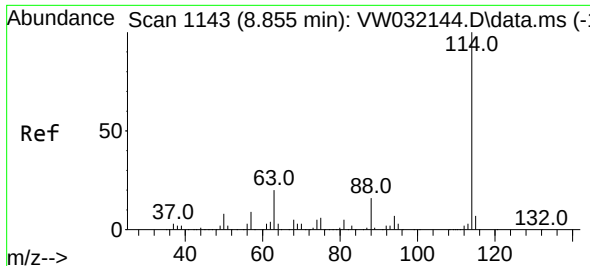
Tgt Ion: 56 Resp: 1538
Ion Ratio Lower Upper
56 100
69 160.6 27.7 41.5#
84 139.6 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 48.752 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032161.D
Acq: 28 Aug 2025 15:52

Tgt Ion: 65 Resp: 32965
Ion Ratio Lower Upper
65 100
67 49.5 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: VW032161.D

Acq: 28 Aug 2025 15:52

Instrument :

MSVOA_W

ClientSampleId :

SP-B

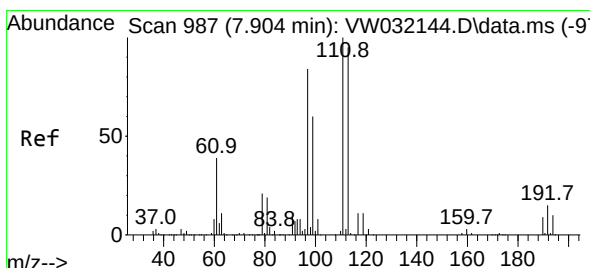
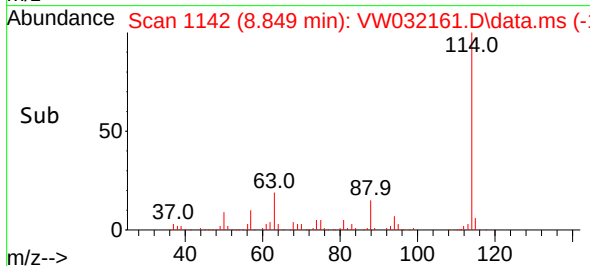
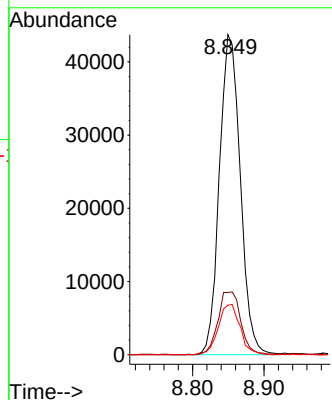
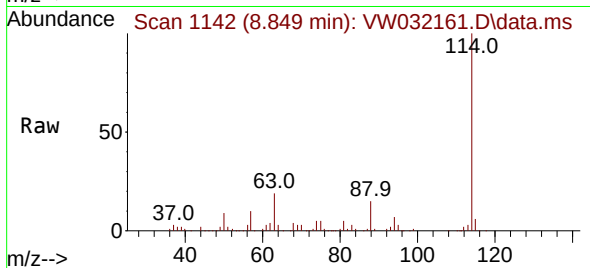
Tgt Ion:114 Resp: 88813

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.4

88 15.5 0.0 32.0



#35

Dibromofluoromethane

Concen: 48.838 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032161.D

Acq: 28 Aug 2025 15:52

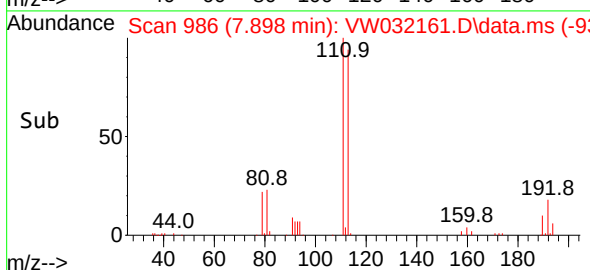
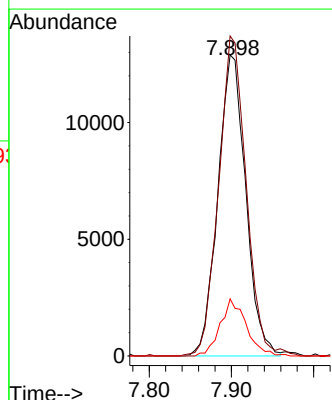
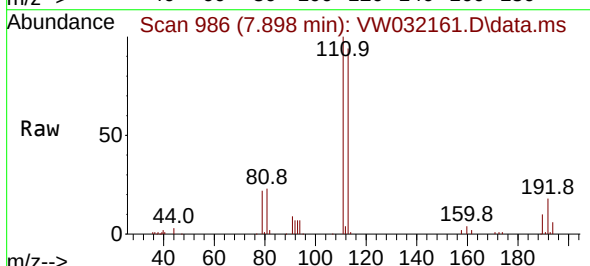
Tgt Ion:113 Resp: 30431

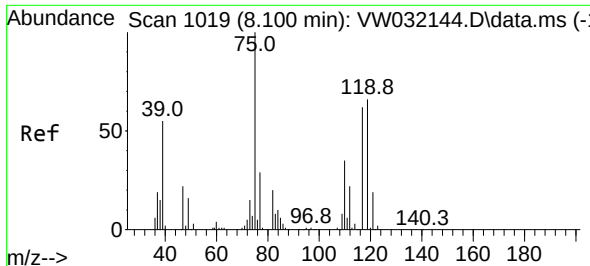
Ion Ratio Lower Upper

113 100

111 104.9 83.9 125.9

192 17.7 14.6 21.8

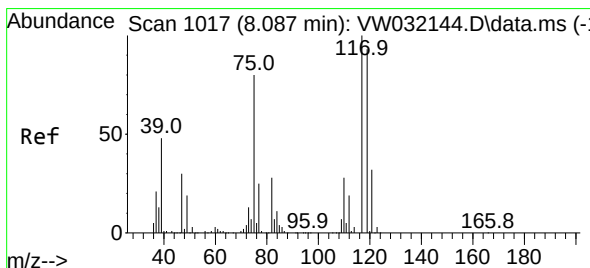
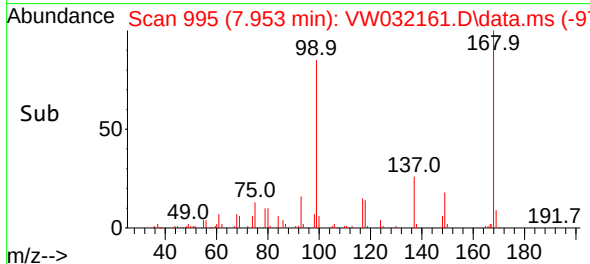
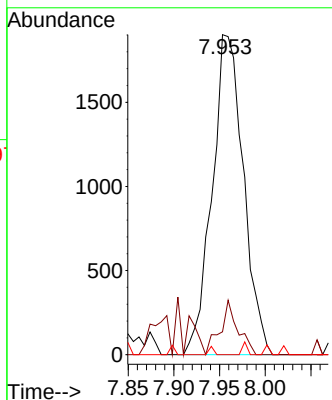
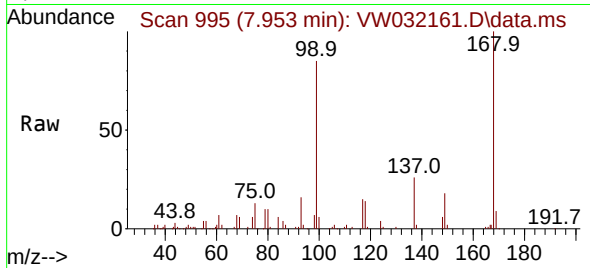




#36
 1,1-Dichloropropene
 Concen: 5.607 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.146 min
 Lab File: VW032161.D
 Acq: 28 Aug 2025 15:52

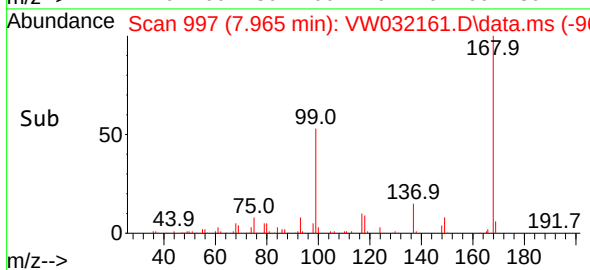
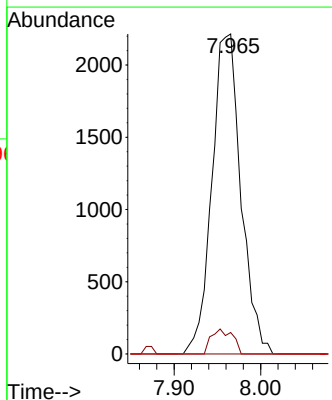
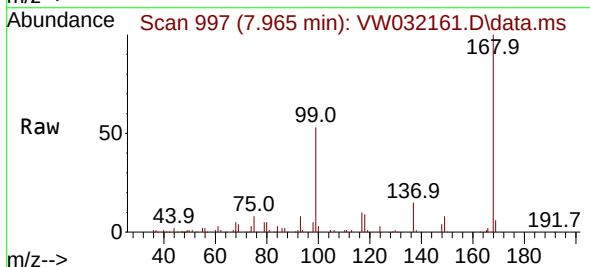
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-B

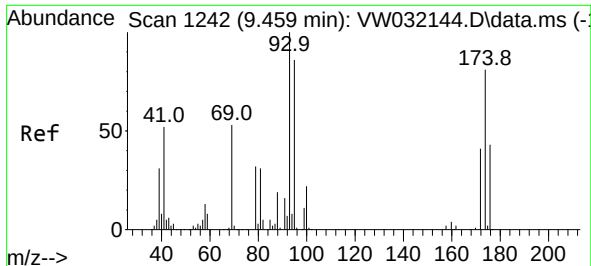
Tgt Ion: 75 Resp: 4530
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.5 52.5#
 77 0.4 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.950 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.122 min
 Lab File: VW032161.D
 Acq: 28 Aug 2025 15:52

Tgt Ion: 117 Resp: 5153
 Ion Ratio Lower Upper
 117 100
 119 6.7 74.2 111.2#
 121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 10.781 ug/l

RT: 9.459 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032161.D

Acq: 28 Aug 2025 15:52

Instrument :

MSVOA_W

ClientSampleId :

SP-B

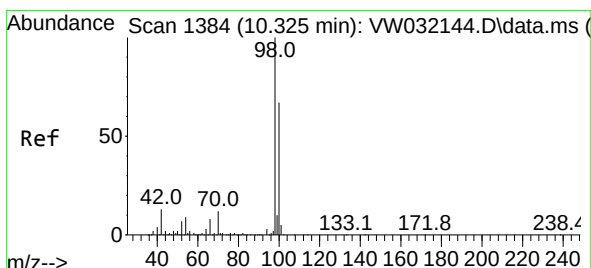
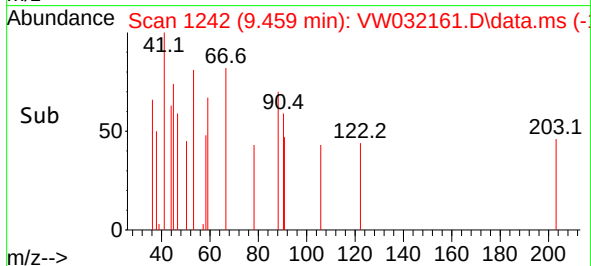
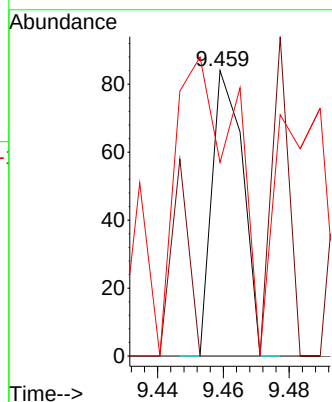
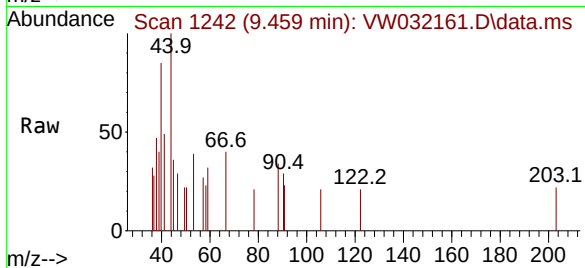
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 38.2 18.0 27.0#

58 234.5 55.4 83.0#



#50

Toluene-d8

Concen: 43.070 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032161.D

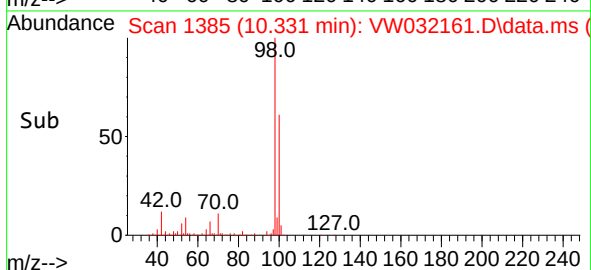
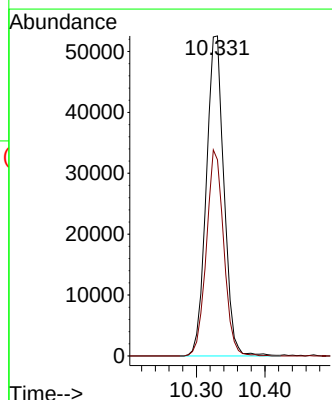
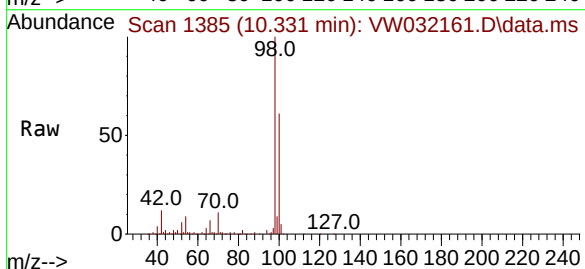
Acq: 28 Aug 2025 15:52

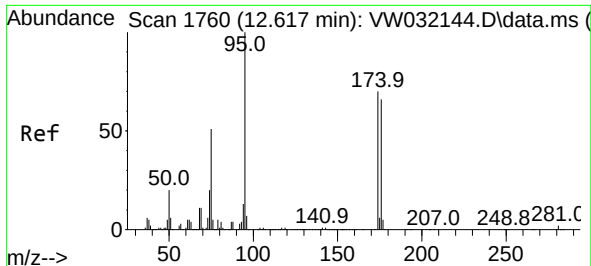
Tgt Ion: 98 Resp: 94212

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.2

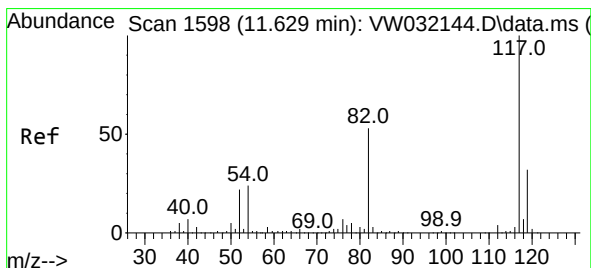
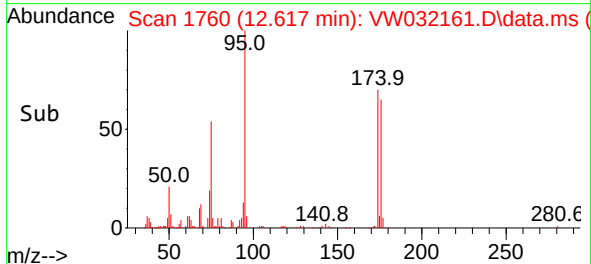
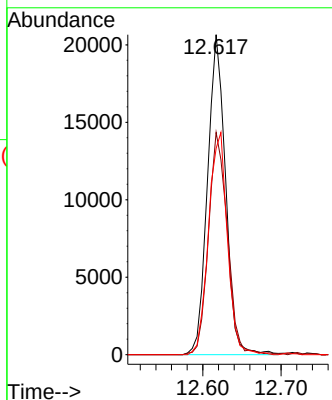
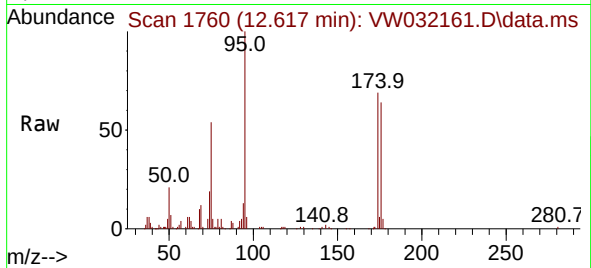




#62
4-Bromofluorobenzene
Concen: 40.736 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032161.D
Acq: 28 Aug 2025 15:52

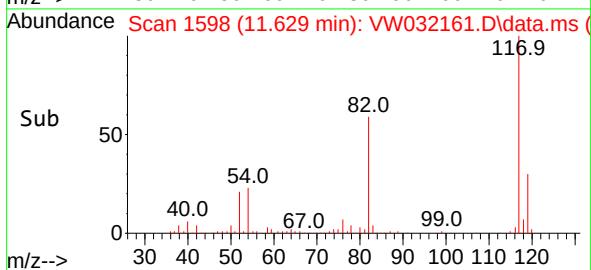
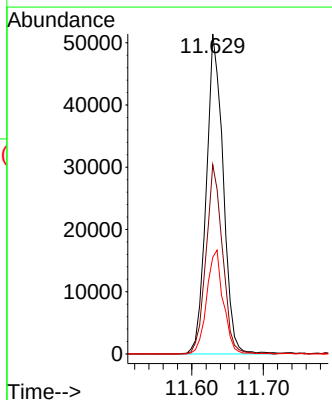
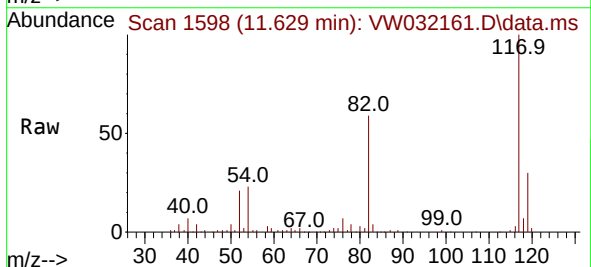
Instrument :
MSVOA_W
ClientSampleId :
SP-B

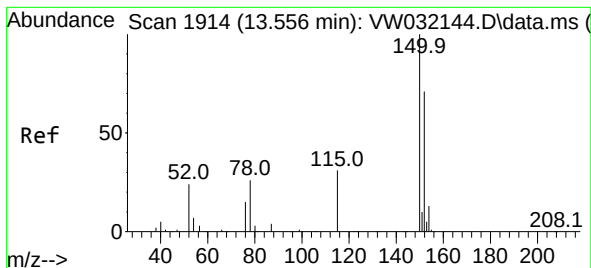
Tgt Ion:	95	Resp:	32950
Ion Ratio	Lower	Upper	
95	100		
174	73.2	0.0	145.6
176	72.7	0.0	140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032161.D
Acq: 28 Aug 2025 15:52

Tgt Ion:	117	Resp:	84073
Ion Ratio	Lower	Upper	
117	100		
82	59.2	42.7	64.1
119	30.2	25.2	37.8

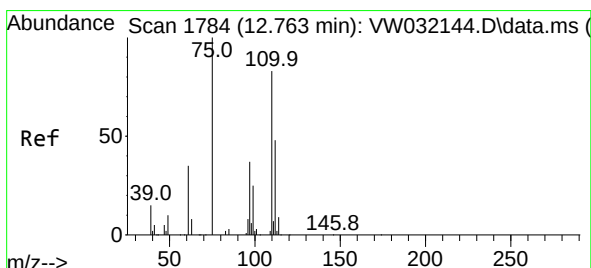
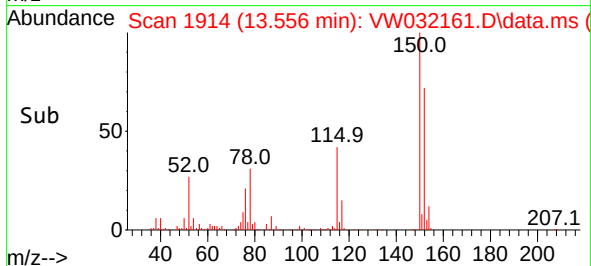
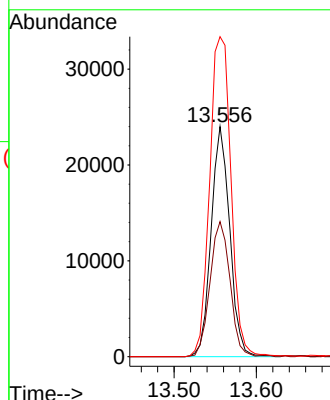
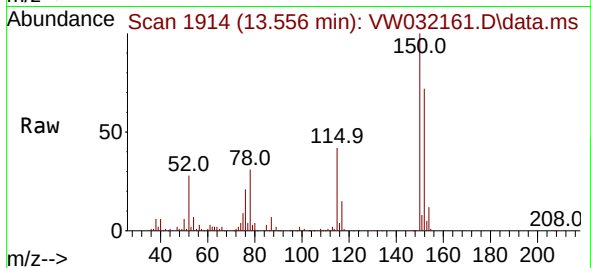




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032161.D
Acq: 28 Aug 2025 15:52

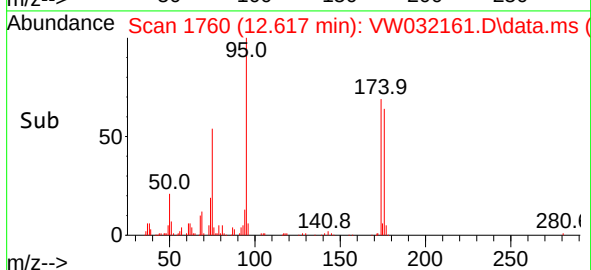
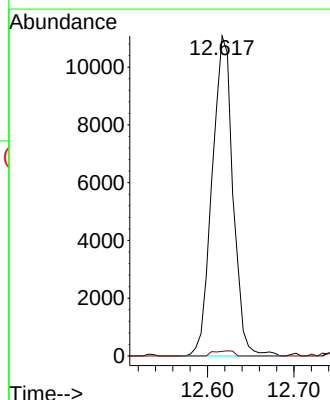
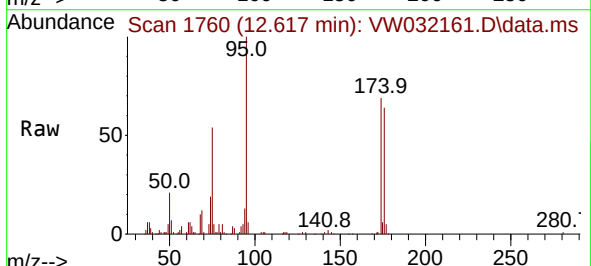
Instrument :
MSVOA_W
ClientSampleId :
SP-B

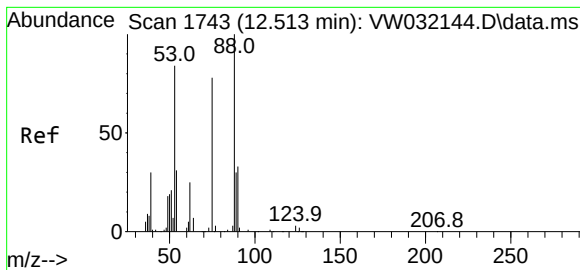
Tgt Ion:152 Resp: 37826
Ion Ratio Lower Upper
152 100
115 63.0 31.8 95.4
150 159.3 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 39.225 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032161.D
Acq: 28 Aug 2025 15:52

Tgt Ion: 75 Resp: 18588
Ion Ratio Lower Upper
75 100
77 1.6 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.611 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032161.D
 Acq: 28 Aug 2025 15:52

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-B

Tgt Ion: 75 Resp: 18588
 Ion Ratio Lower Upper
 75 100
 53 0.2 91.0 136.6#
 89 0.0 39.4 59.2#

