

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091725\
 Data File : VW032187.D
 Acq On : 17 Sep 2025 14:15
 Operator : SY/MD
 Sample : Q3115-01
 Misc : 5.37g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 04:35:04 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)

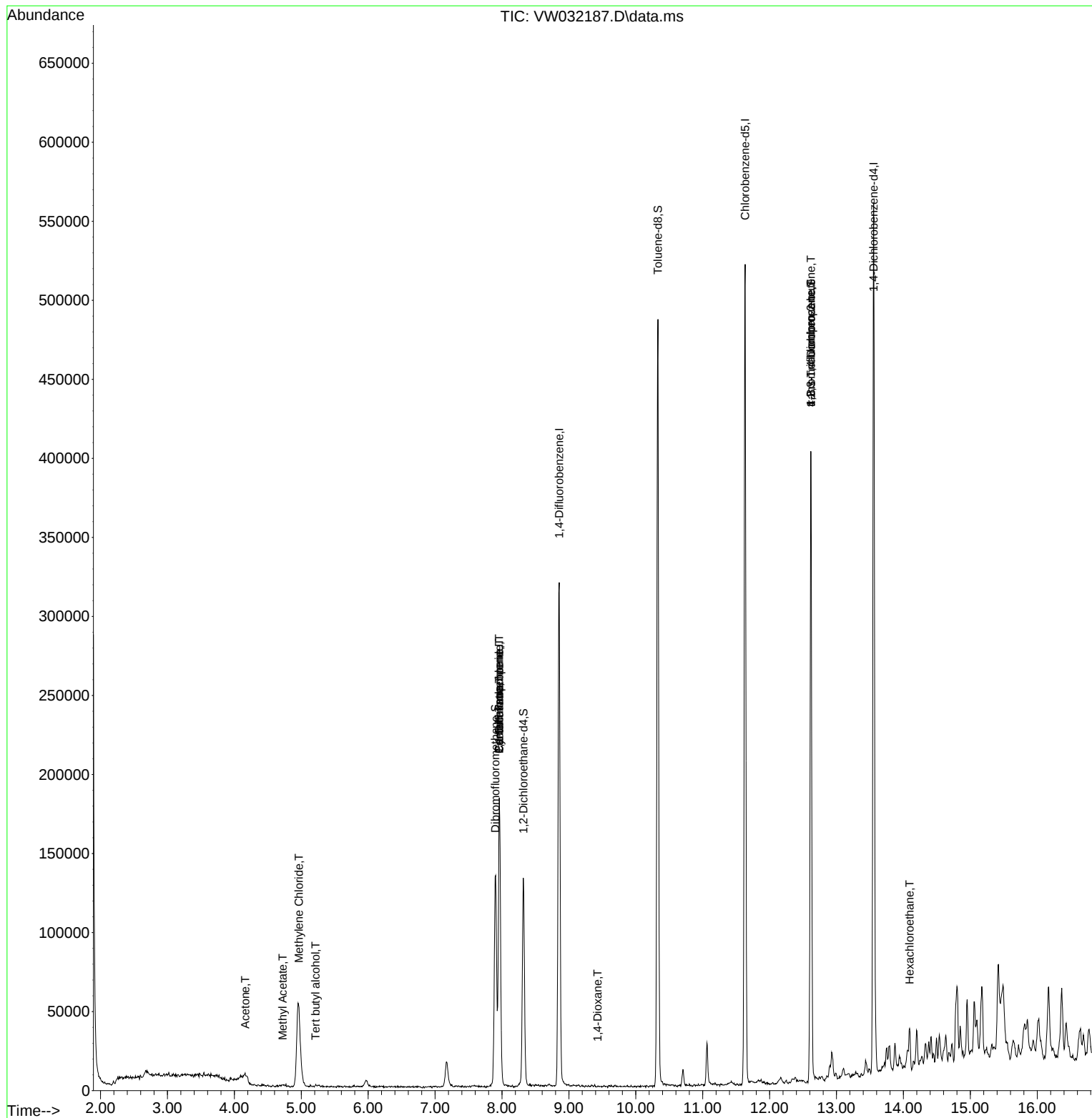
Internal Standards						
1) Pentafluorobenzene	7.959	168	122778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	263763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	266533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	138646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	107272	61.093	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 122.180%		
35) Dibromofluoromethane	7.898	113	96139	51.952	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 103.900%		
50) Toluene-d8	10.331	98	312329	48.078	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 96.160%		
62) 4-Bromofluorobenzene	12.617	95	123575	51.442	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 102.880%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	709	6.601	ug/l #	69
16) Acetone	4.161	43	3911	10.285	ug/l	99
18) Methyl Acetate	4.722	43	2899	2.393	ug/l	99
20) Methylene Chloride	4.966	84	50192	30.351	ug/l	97
31) Cyclohexane	7.959	56	3795	1.761	ug/l #	39
36) 1,1-Dichloropropene	7.959	75	11640	4.851	ug/l #	53
38) Carbon Tetrachloride	7.959	117	14125	5.492	ug/l #	18
49) 1,4-Dioxane	9.428	88	29	1.914	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	70558	40.622	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	70558	109.372	ug/l #	5
90) Hexachloroethane	14.092	117	1597	1.017	ug/l #	17

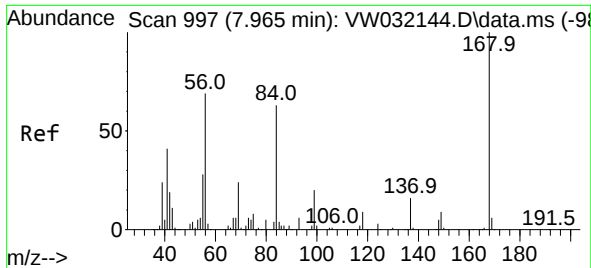
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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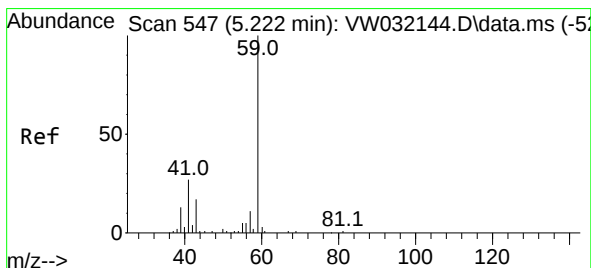
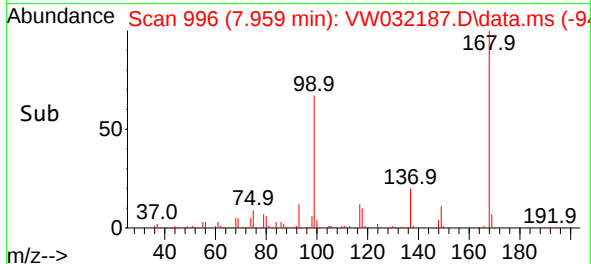
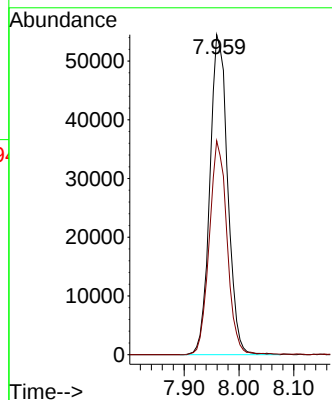
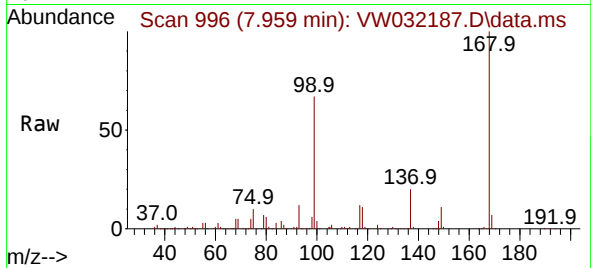




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032187.D
Acq: 17 Sep 2025 14:15

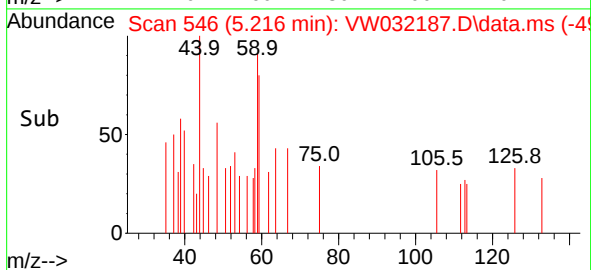
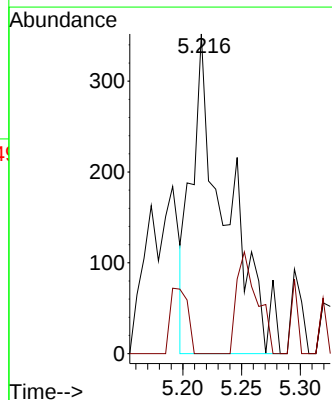
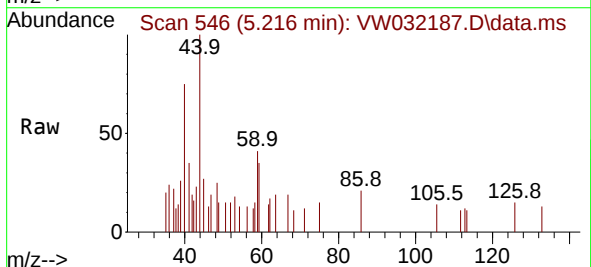
Instrument :
MSVOA_W
ClientSampleId :

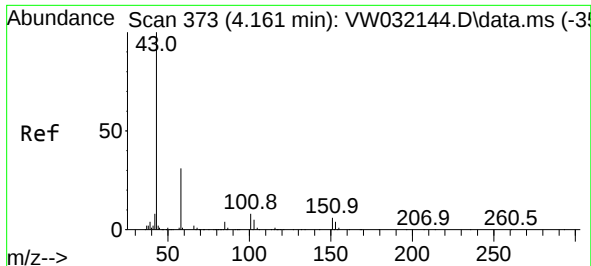
Tgt Ion:168 Resp: 122778
Ion Ratio Lower Upper
168 100
99 66.9 49.3 73.9



#11
Tert butyl alcohol
Concen: 6.601 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032187.D
Acq: 17 Sep 2025 14:15

Tgt Ion: 59 Resp: 709
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

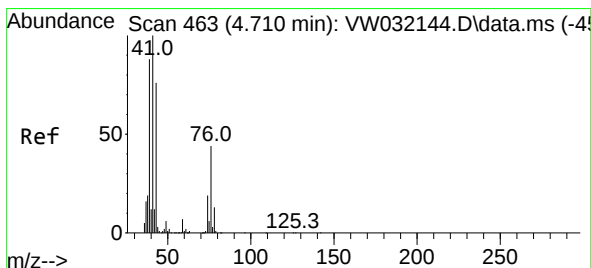
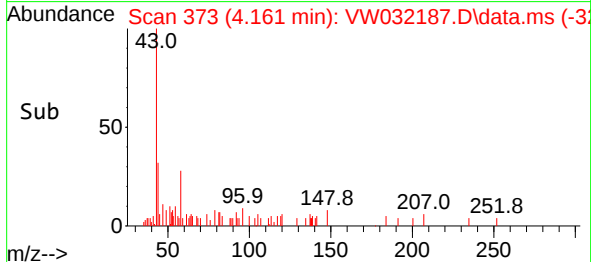
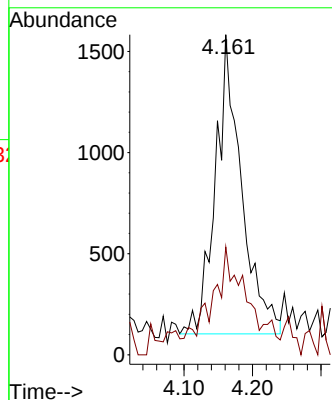
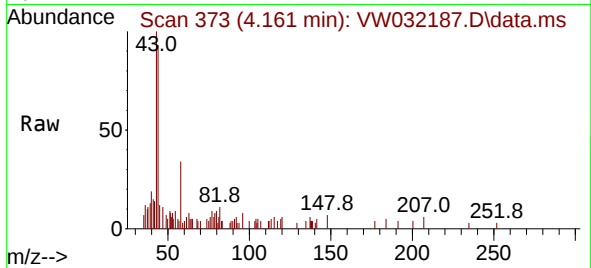




#16
Acetone
Concen: 10.285 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032187.D
Acq: 17 Sep 2025 14:15

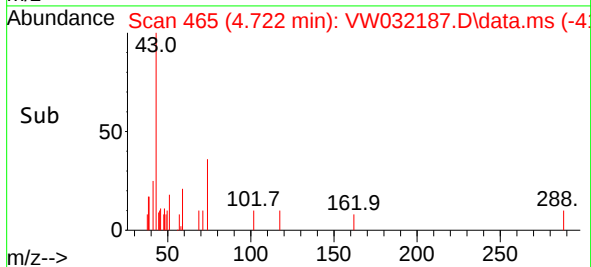
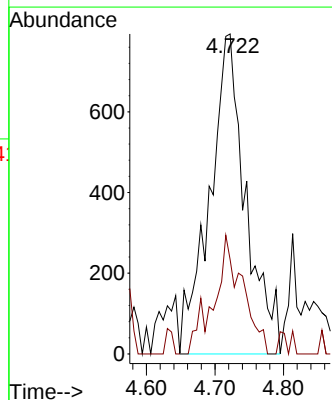
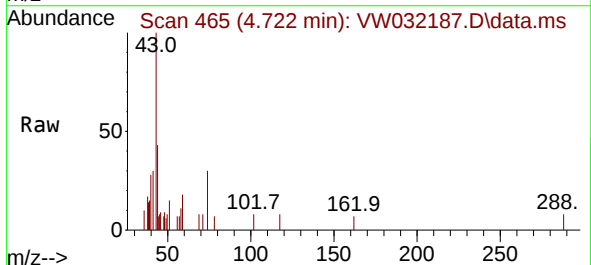
Instrument :
MSVOA_W
ClientSampleId :

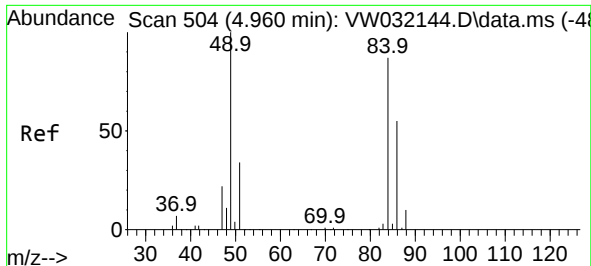
Tgt Ion: 43 Resp: 3911
Ion Ratio Lower Upper
43 100
58 31.1 25.3 37.9



#18
Methyl Acetate
Concen: 2.393 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW032187.D
Acq: 17 Sep 2025 14:15

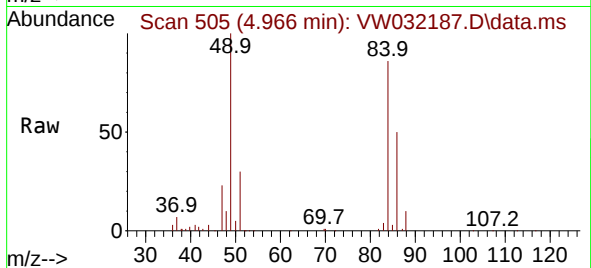
Tgt Ion: 43 Resp: 2899
Ion Ratio Lower Upper
43 100
74 25.8 20.2 30.4



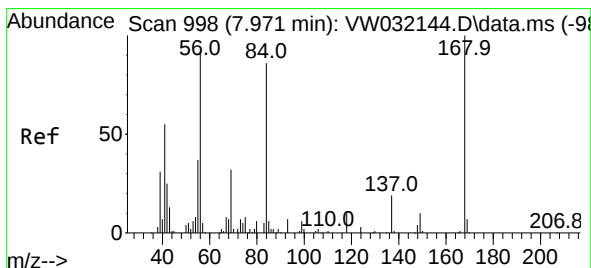
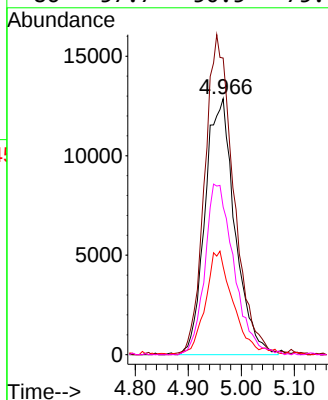
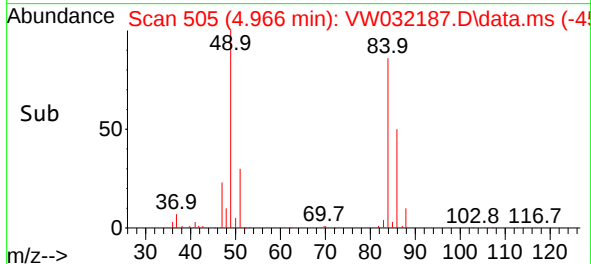


#20
Methylene Chloride
Concen: 30.351 ug/l
RT: 4.966 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032187.D
Acq: 17 Sep 2025 14:15

Instrument :
MSVOA_W
ClientSampleId :

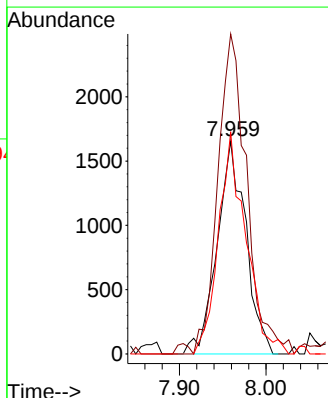
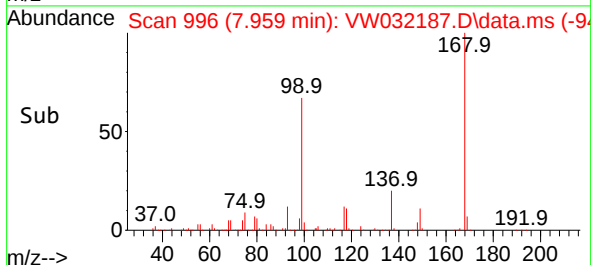
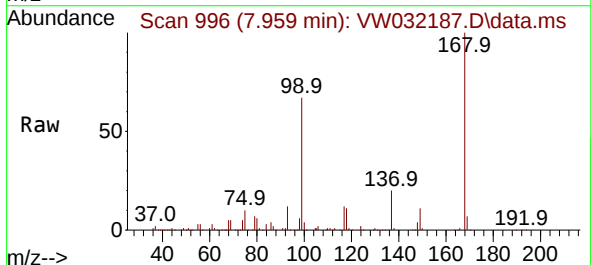


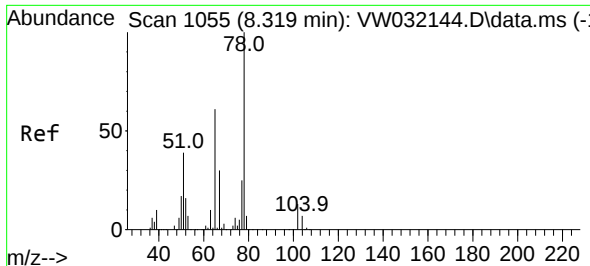
Tgt Ion:	84	Resp:	50192
Ion	Ratio	Lower	Upper
84	100		
49	115.1	92.2	138.4
51	34.4	31.0	46.6
86	57.7	50.5	75.7



#31
Cyclohexane
Concen: 1.761 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032187.D
Acq: 17 Sep 2025 14:15

Tgt Ion:	56	Resp:	3795
Ion	Ratio	Lower	Upper
56	100		
69	146.3	27.7	41.5#
84	104.4	74.6	112.0





#33

1,2-Dichloroethane-d4

Concen: 61.093 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032187.D

Acq: 17 Sep 2025 14:15

Instrument :

MSVOA_W

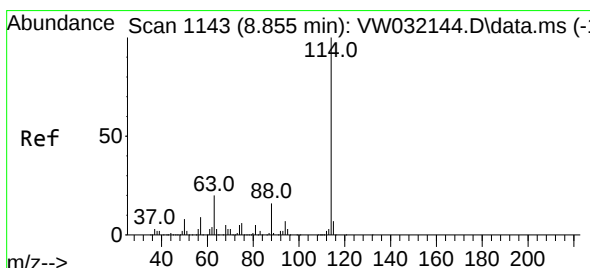
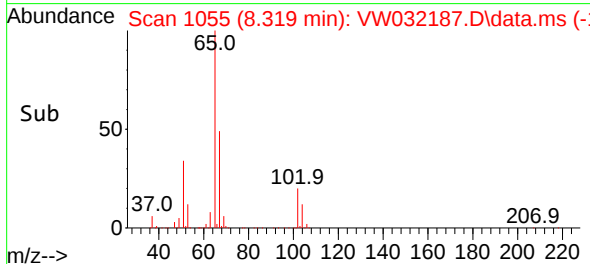
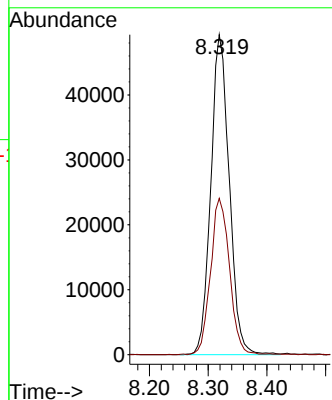
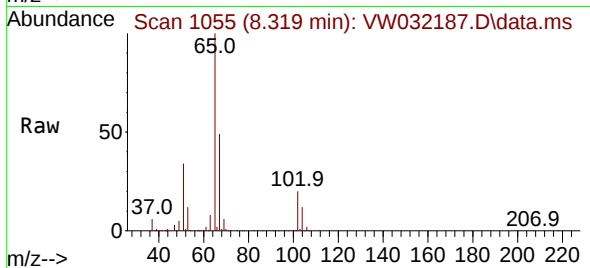
ClientSampleId :

Tgt Ion: 65 Resp: 107272

Ion Ratio Lower Upper

65 100

67 50.2 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: VW032187.D

Acq: 17 Sep 2025 14:15

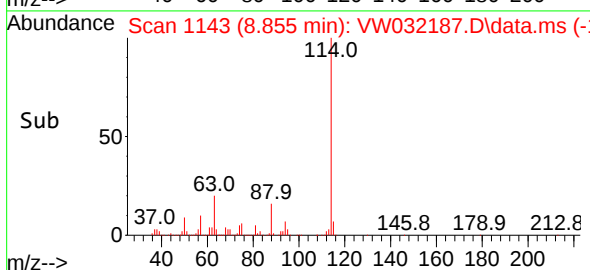
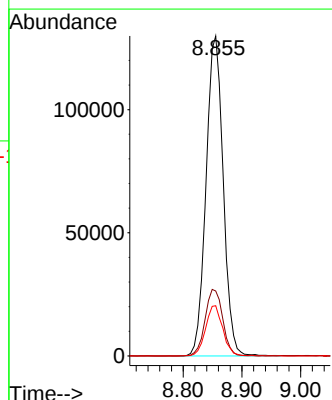
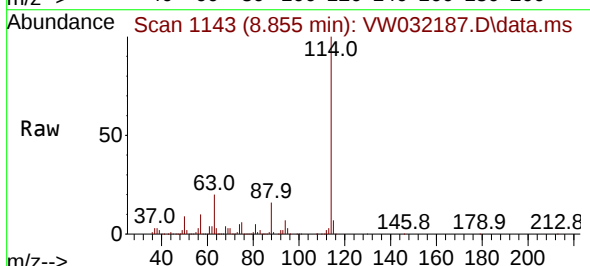
Tgt Ion: 114 Resp: 263763

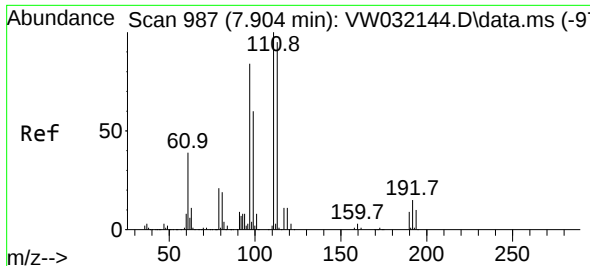
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.4

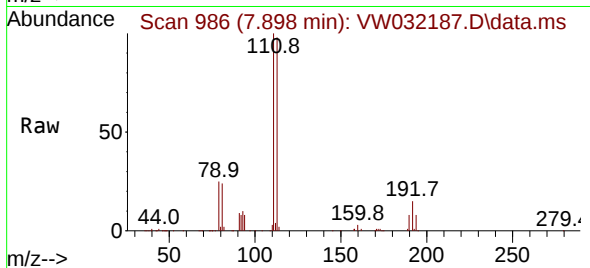
88 15.7 0.0 32.0



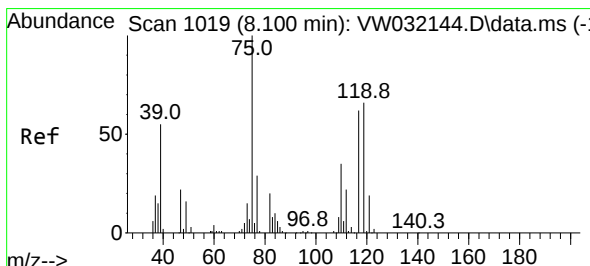
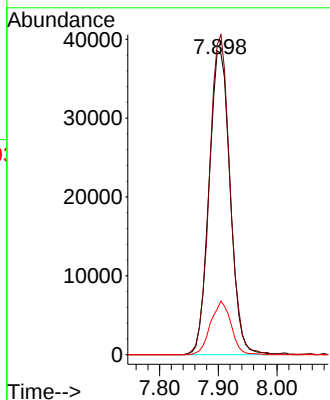
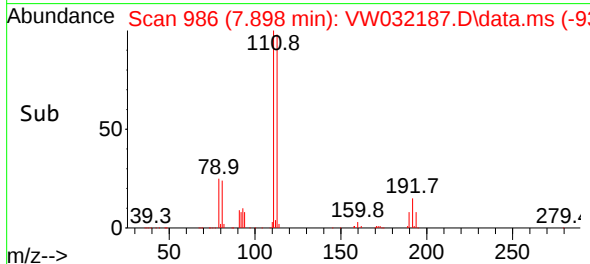


#35
Dibromofluoromethane
Concen: 51.952 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW032187.D
Acq: 17 Sep 2025 14:15

Instrument :
MSVOA_W
ClientSampleId :

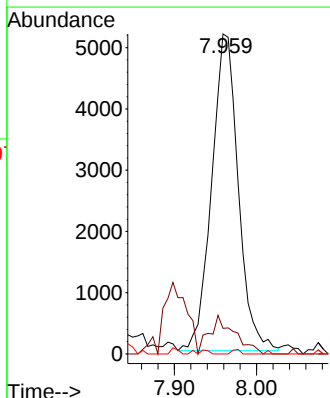
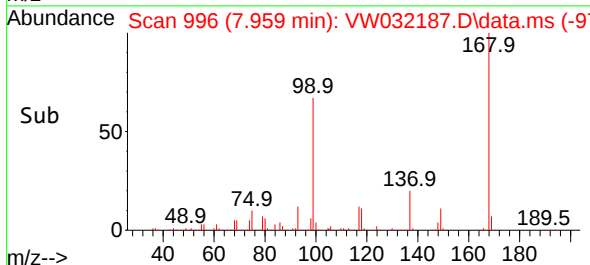
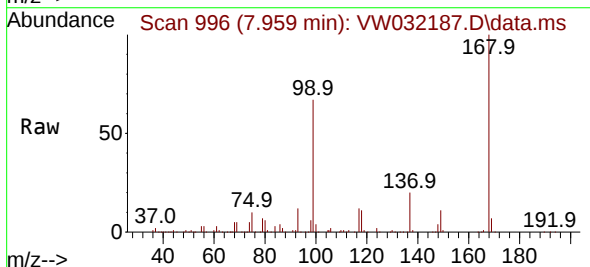


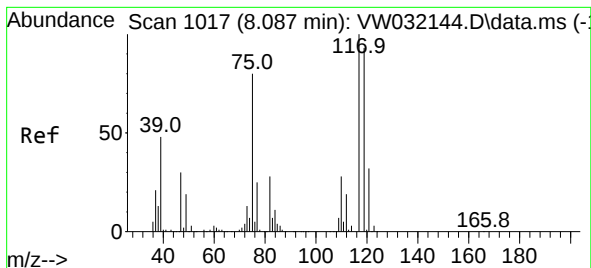
Tgt Ion:113 Resp: 96139
Ion Ratio Lower Upper
113 100
111 102.6 83.9 125.9
192 17.1 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.851 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032187.D
Acq: 17 Sep 2025 14:15

Tgt Ion: 75 Resp: 11640
Ion Ratio Lower Upper
75 100
110 11.5 17.5 52.5#
77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.492 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

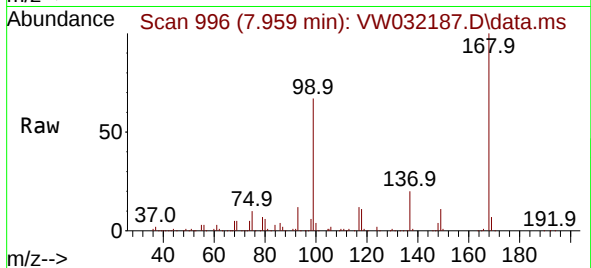
Lab File: VW032187.D

Acq: 17 Sep 2025 14:15

Instrument :

MSVOA_W

ClientSampleId :



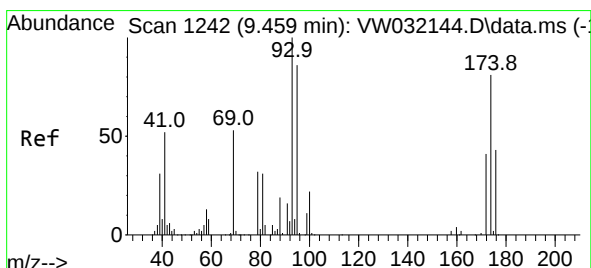
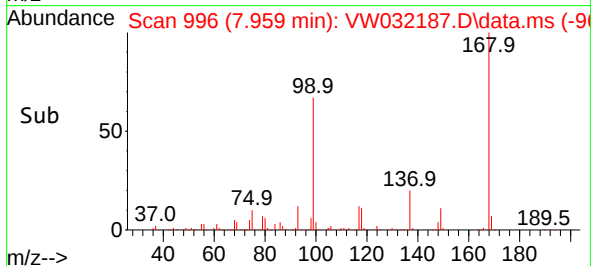
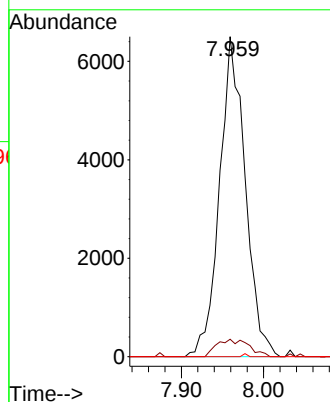
Tgt Ion: 117 Resp: 14125

Ion Ratio Lower Upper

117 100

119 5.4 74.2 111.2#

121 0.0 25.6 38.4#



#49

1,4-Dioxane

Concen: 1.914 ug/l

RT: 9.428 min Scan# 1237

Delta R.T. -0.031 min

Lab File: VW032187.D

Acq: 17 Sep 2025 14:15

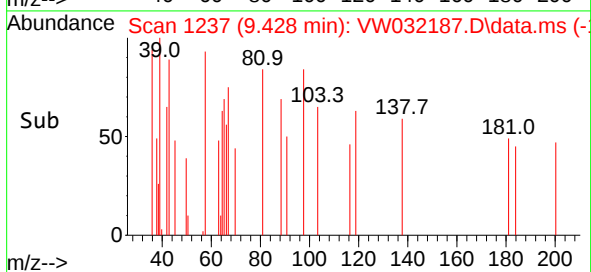
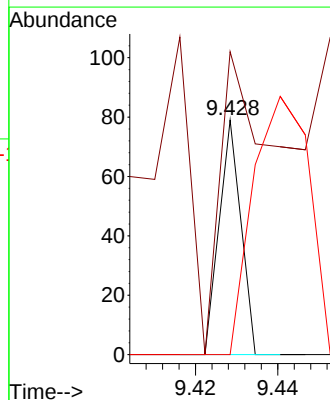
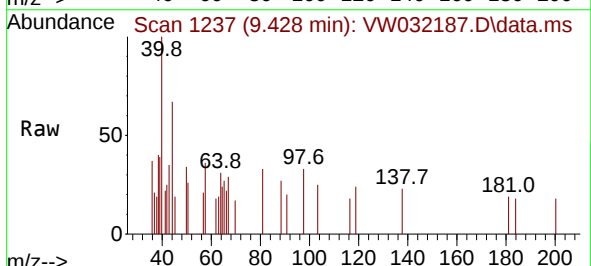
Tgt Ion: 88 Resp: 29

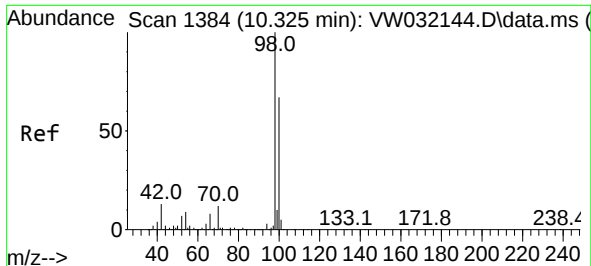
Ion Ratio Lower Upper

88 100

43 393.1 18.0 27.0#

58 282.8 55.4 83.0#

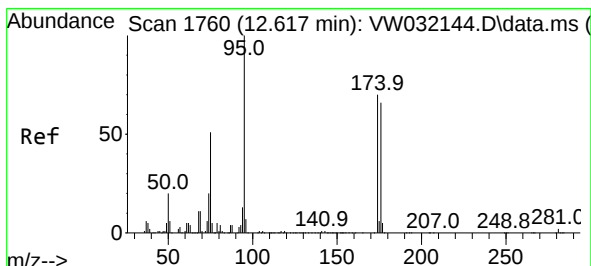
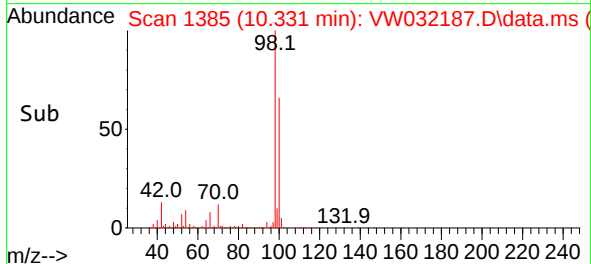
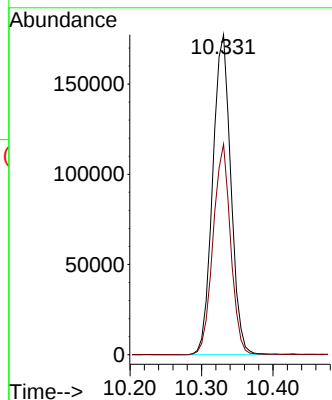
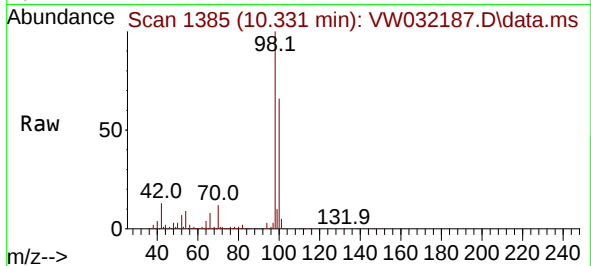




#50
Toluene-d8
Concen: 48.078 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032187.D
Acq: 17 Sep 2025 14:15

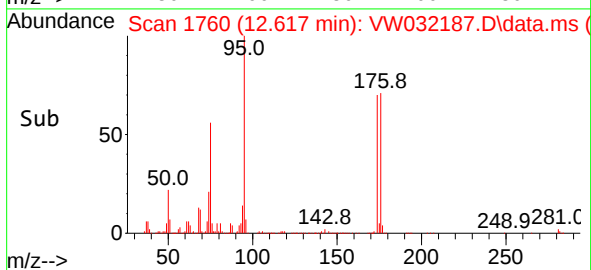
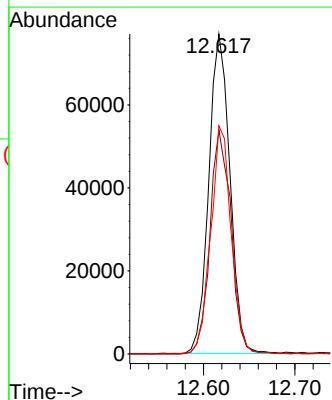
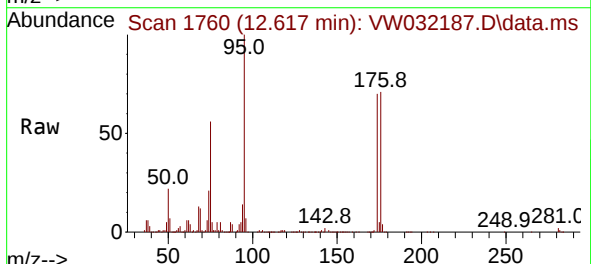
Instrument :
MSVOA_W
ClientSampleId :

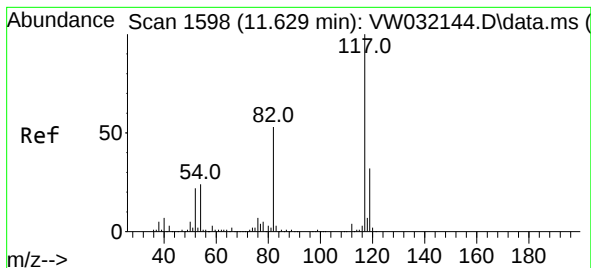
Tgt Ion: 98 Resp: 312329
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 51.442 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032187.D
Acq: 17 Sep 2025 14:15

Tgt Ion: 95 Resp: 123575
Ion Ratio Lower Upper
95 100
174 69.9 0.0 145.6
176 69.4 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032187.D

Acq: 17 Sep 2025 14:15

Instrument :

MSVOA_W

ClientSampleId :

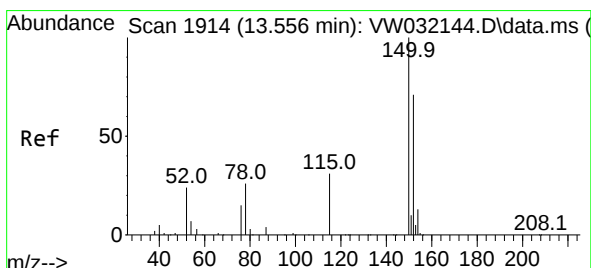
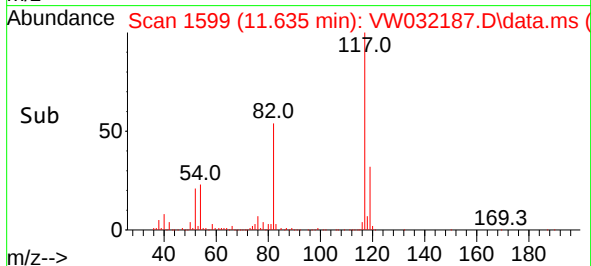
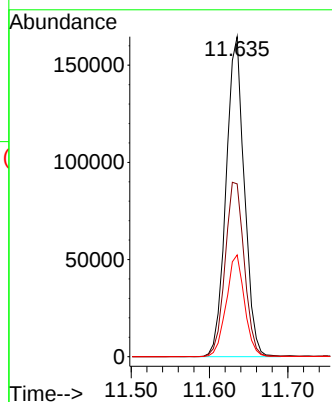
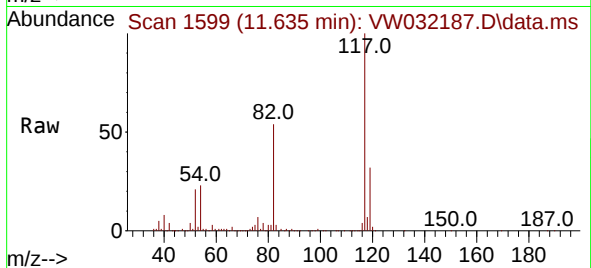
Tgt Ion:117 Resp: 266533

Ion Ratio Lower Upper

117 100

82 54.0 42.7 64.1

119 31.8 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: VW032187.D

Acq: 17 Sep 2025 14:15

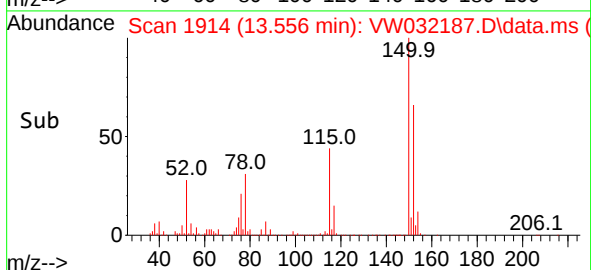
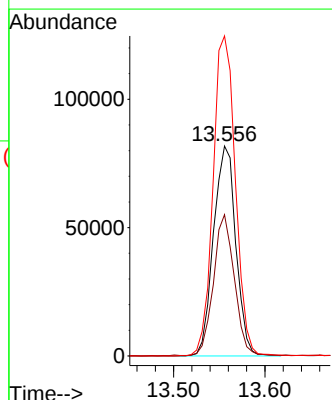
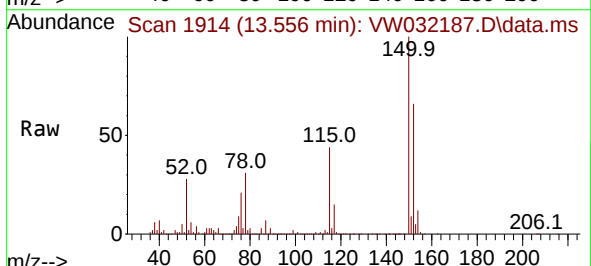
Tgt Ion:152 Resp: 138646

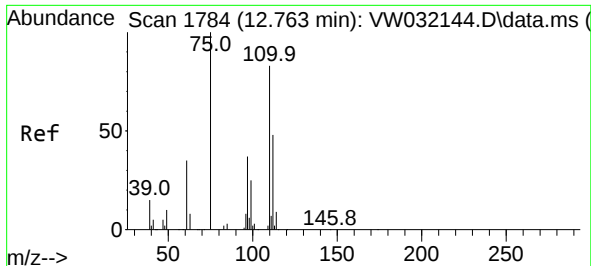
Ion Ratio Lower Upper

152 100

115 62.5 31.8 95.4

150 152.4 0.0 343.0

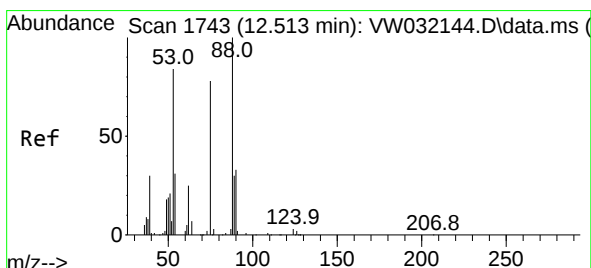
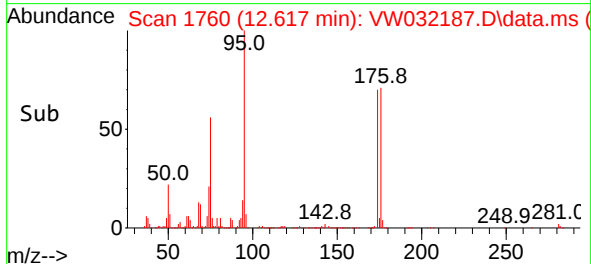
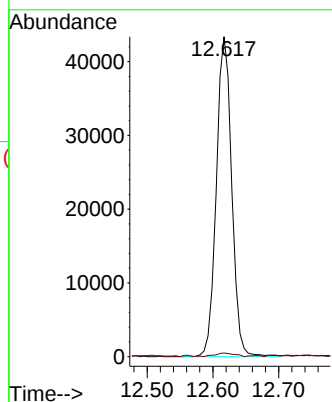
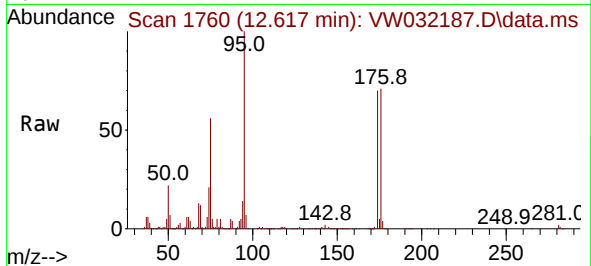




#76
1,2,3-Trichloropropane
Concen: 40.622 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032187.D
Acq: 17 Sep 2025 14:15

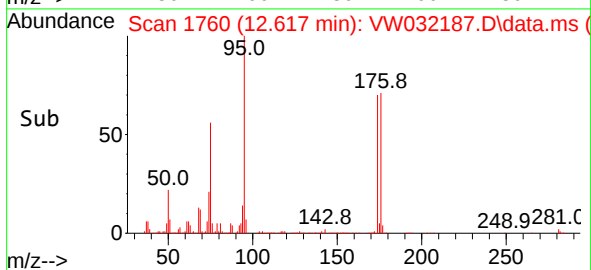
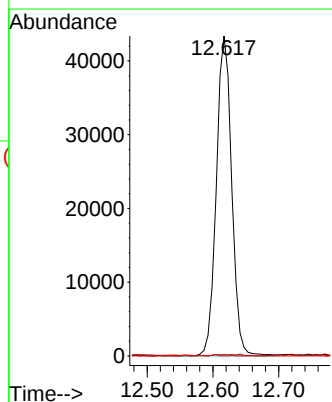
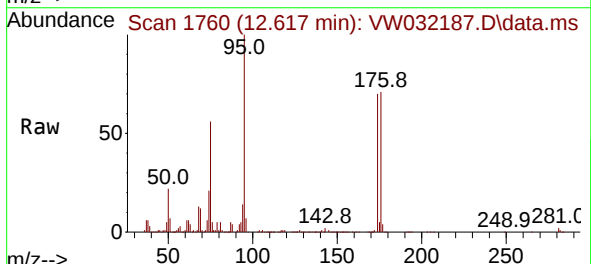
Instrument :
MSVOA_W
ClientSampleId :

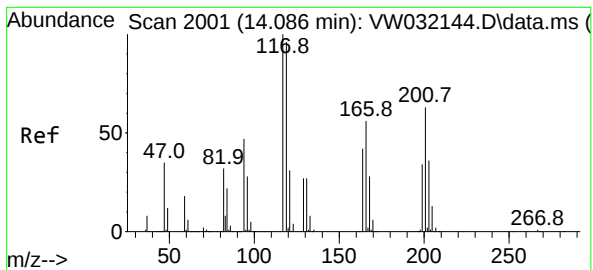
Tgt Ion: 75 Resp: 70558
Ion Ratio Lower Upper
75 100
77 1.5 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.372 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW032187.D
Acq: 17 Sep 2025 14:15

Tgt Ion: 75 Resp: 70558
Ion Ratio Lower Upper
75 100
53 0.0 91.0 136.6#
89 0.1 39.4 59.2#





#90
 Hexachloroethane
 Concen: 1.017 ug/l
 RT: 14.092 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VW032187.D
 Acq: 17 Sep 2025 14:15

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:117 Resp: 1597
 Ion Ratio Lower Upper
 117 100
 201 0.0 32.8 98.4#

