

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032101.D
 Acq On : 14 Aug 2025 18:02
 Operator : SY/MD
 Sample : Q2820-18
 Misc : 7.59g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 18 03:56:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

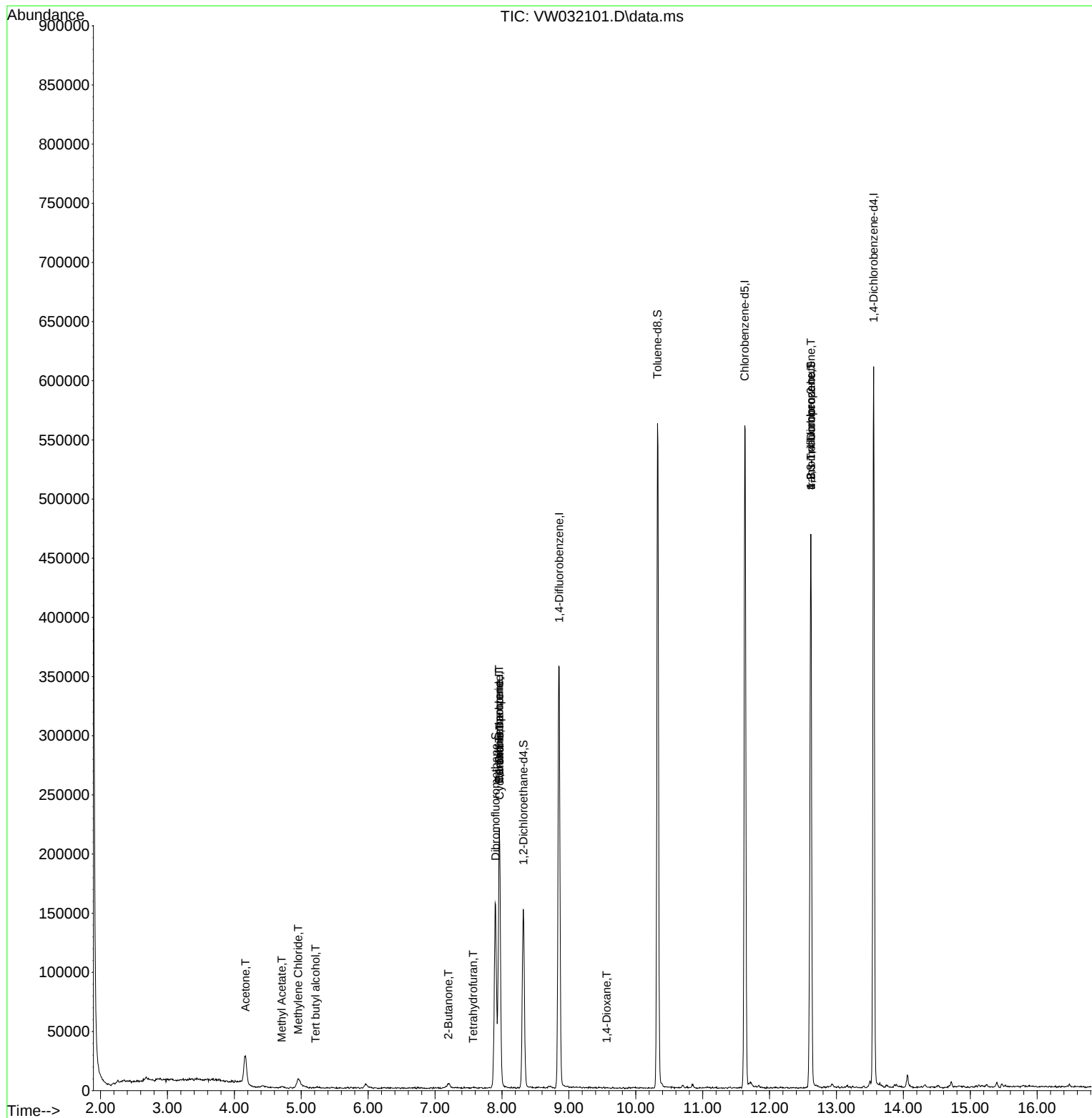
Internal Standards						
1) Pentafluorobenzene	7.959	168	147385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	297090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	296209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	149072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	124522	58.417	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 116.840%		
35) Dibromofluoromethane	7.904	113	106924	55.709	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 111.420%		
50) Toluene-d8	10.325	98	358263	50.467	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 100.940%		
62) 4-Bromofluorobenzene	12.617	95	138690	53.015	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 106.020%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	593	4.296	ug/l #	93
16) Acetone	4.167	43	41408	83.903	ug/l	90
18) Methyl Acetate	4.710	43	2070	1.326	ug/l	98
20) Methylene Chloride	4.954	84	7250	3.177	ug/l	93
25) 2-Butanone	7.197	43	6117	8.721	ug/l	93
29) Tetrahydrofuran	7.569	42	678	1.466	ug/l #	82
31) Cyclohexane	7.965	56	4566	1.503	ug/l #	26
36) 1,1-Dichloropropene	7.959	75	13845	5.117	ug/l #	52
38) Carbon Tetrachloride	7.959	117	16881	6.465	ug/l #	20
49) 1,4-Dioxane	9.563	88	50	2.949	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	79107	39.099	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	79107	101.223	ug/l #	10

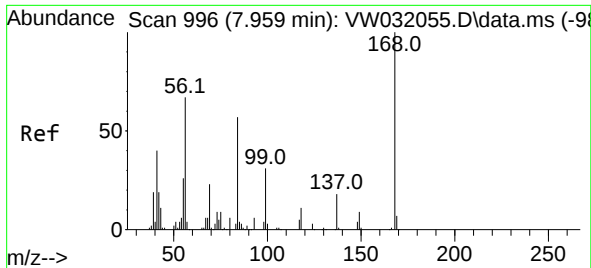
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
Data File : VW032101.D
Acq On : 14 Aug 2025 18:02
Operator : SY/MD
Sample : Q2820-18
Misc : 7.59g/5mL/MSVOA_W/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Aug 18 03:56:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

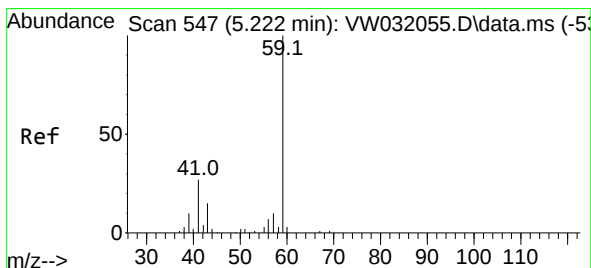
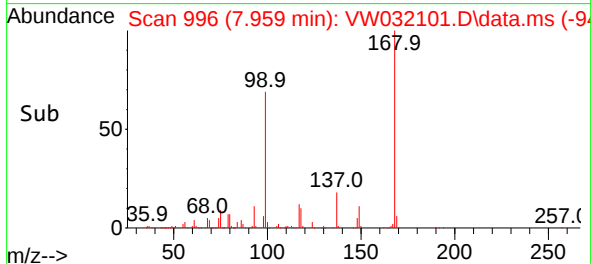
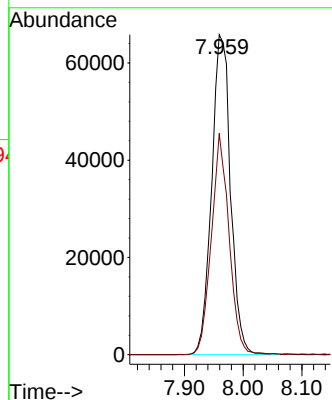
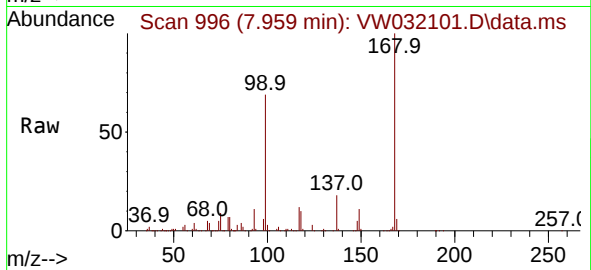




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

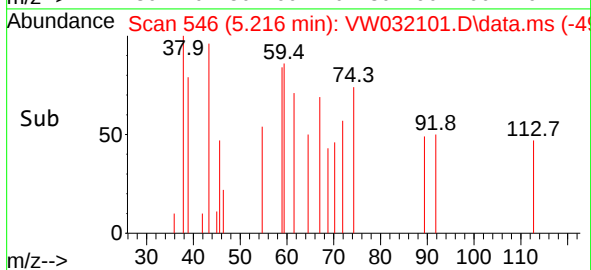
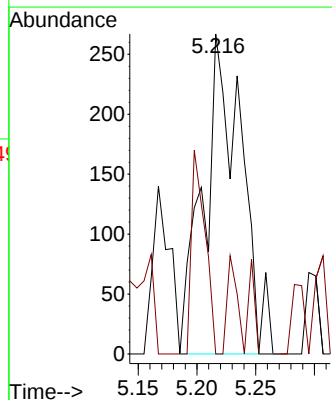
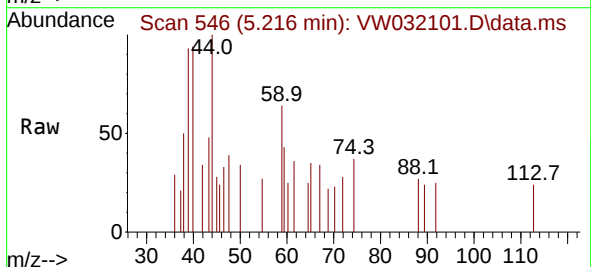
Instrument :
MSVOA_W
ClientSampleId :

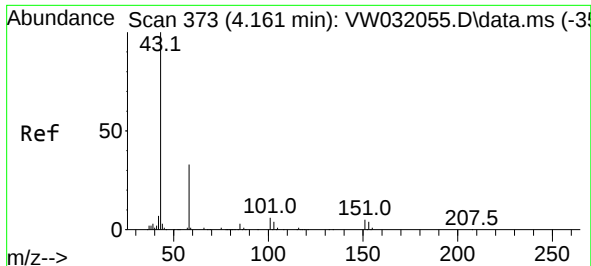
Tgt Ion:168 Resp: 147385
Ion Ratio Lower Upper
168 100
99 69.1 56.0 84.0



#11
Tert butyl alcohol
Concen: 4.296 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

Tgt Ion: 59 Resp: 593
Ion Ratio Lower Upper
59 100
57 8.1 8.7 13.1#

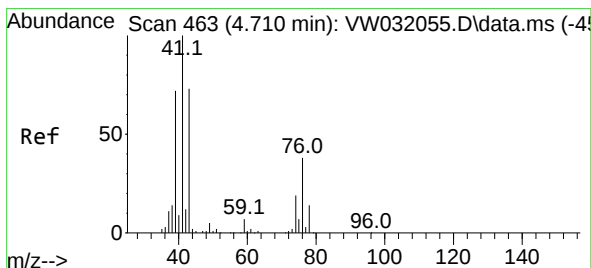
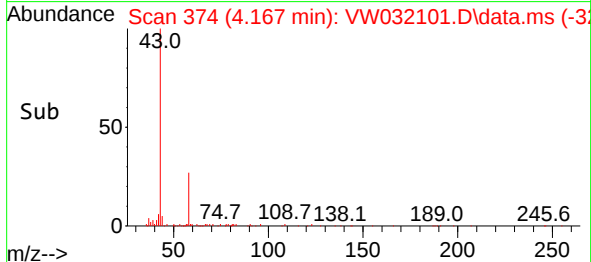
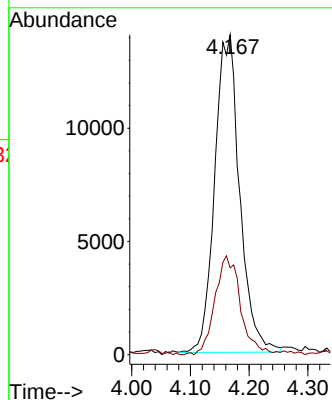
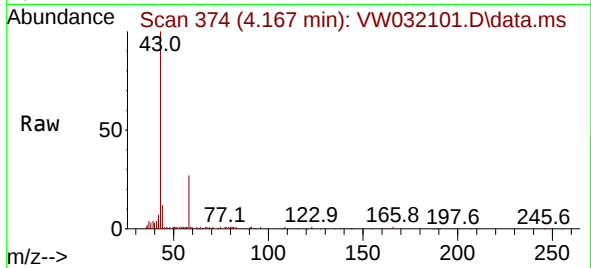




#16
Acetone
Concen: 83.903 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

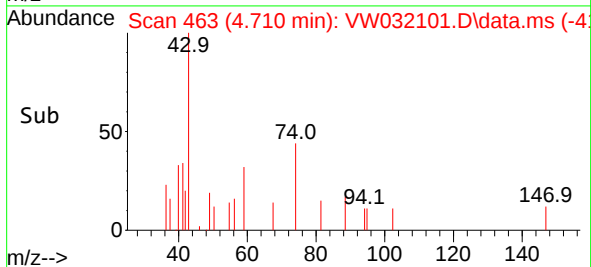
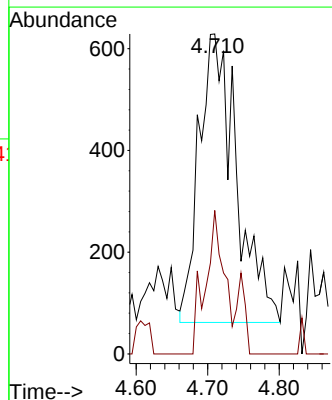
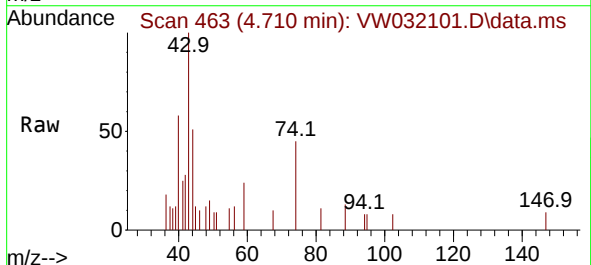
Instrument :
MSVOA_W
ClientSampleId :

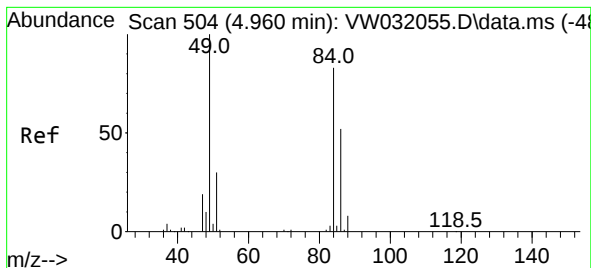
Tgt Ion: 43 Resp: 41408
Ion Ratio Lower Upper
43 100
58 27.4 26.6 39.8



#18
Methyl Acetate
Concen: 1.326 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

Tgt Ion: 43 Resp: 2070
Ion Ratio Lower Upper
43 100
74 24.7 20.6 31.0





#20

Methylene Chloride

Concen: 3.177 ug/l

RT: 4.954 min Scan# 504

Delta R.T. -0.006 min

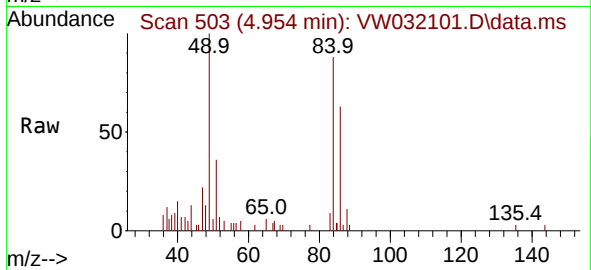
Lab File: VW032101.D

Acq: 14 Aug 2025 18:02

Instrument :

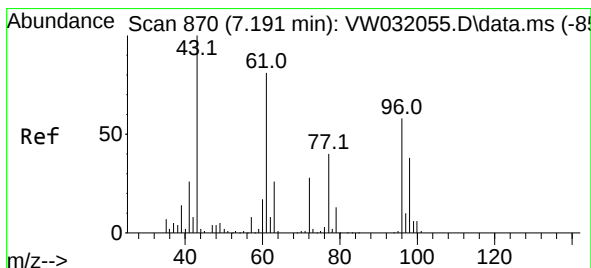
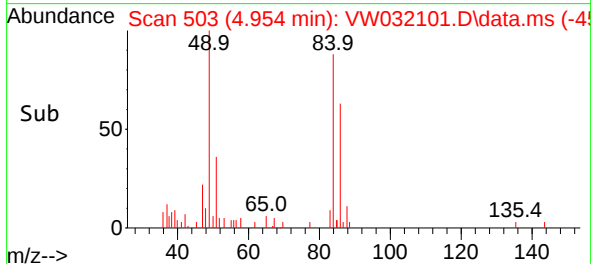
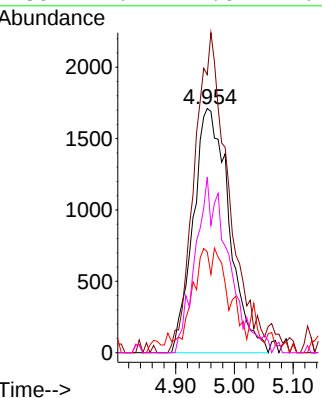
MSVOA_W

ClientSampleId :



Tgt Ion: 84 Resp: 7250

Ion	Ratio	Lower	Upper
84	100		
49	113.9	95.9	143.9
51	33.5	28.6	43.0
86	71.9	49.6	74.4



#25

2-Butanone

Concen: 8.721 ug/l

RT: 7.197 min Scan# 871

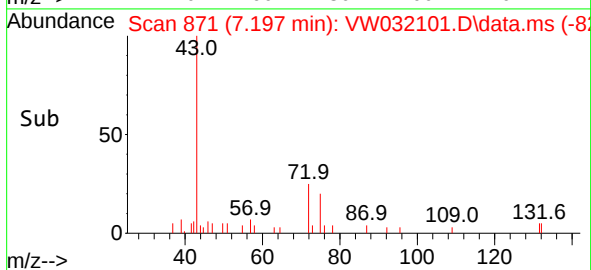
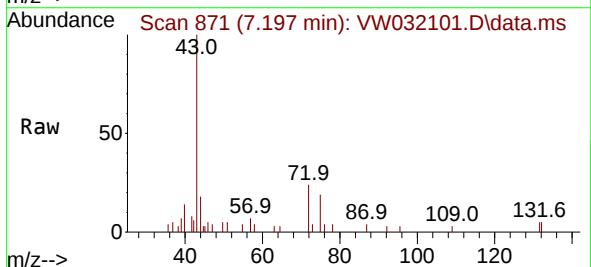
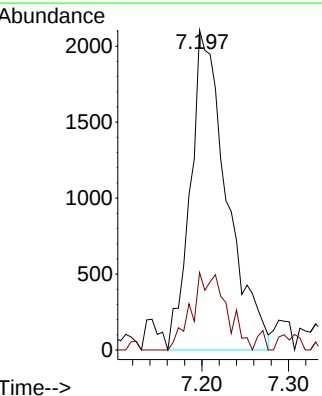
Delta R.T. 0.006 min

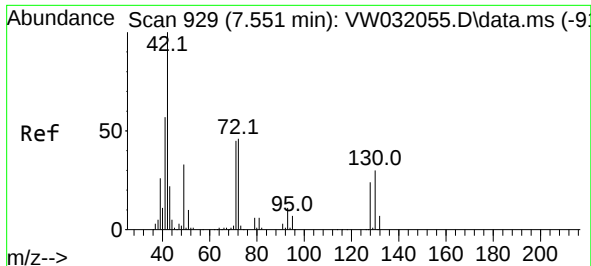
Lab File: VW032101.D

Acq: 14 Aug 2025 18:02

Tgt Ion: 43 Resp: 6117

Ion	Ratio	Lower	Upper
43	100		
72	24.2	22.3	33.5





#29

Tetrahydrofuran

Concen: 1.466 ug/l

RT: 7.569 min Scan# 91

Delta R.T. 0.018 min

Lab File: VW032101.D

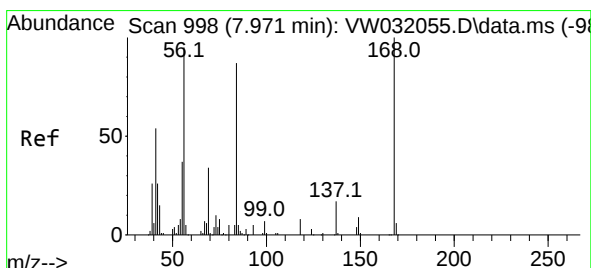
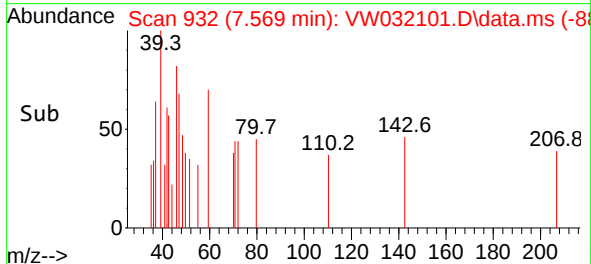
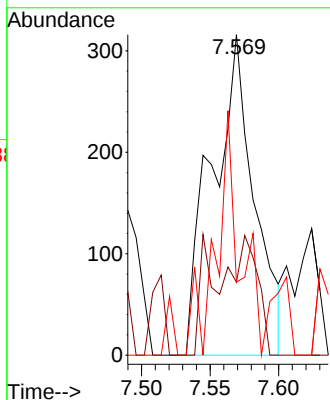
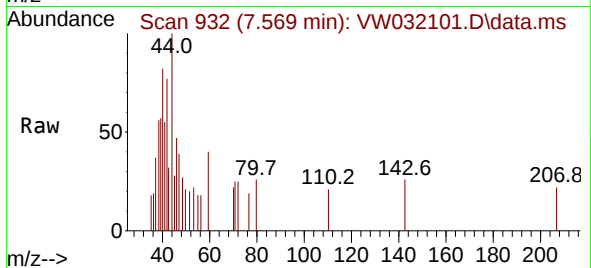
Acq: 14 Aug 2025 18:02

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	42	Resp:	678
Ion	Ratio	Lower	Upper
42	100		
72	23.6	36.6	55.0#
71	42.6	34.7	52.1



#31

Cyclohexane

Concen: 1.503 ug/l

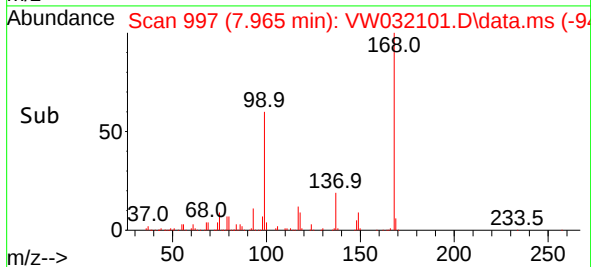
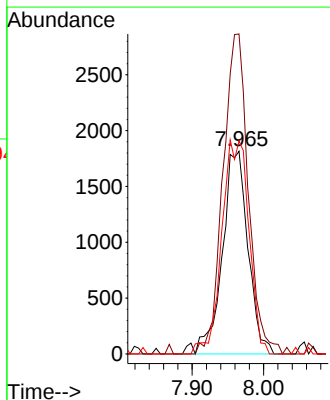
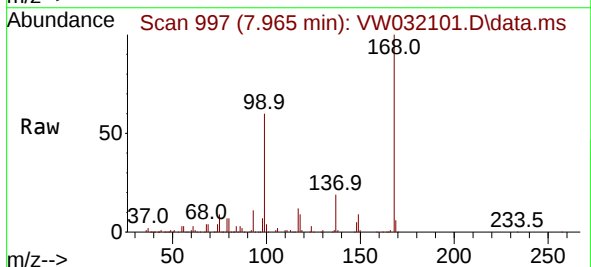
RT: 7.965 min Scan# 997

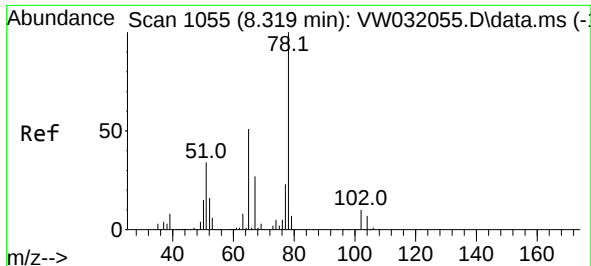
Delta R.T. -0.006 min

Lab File: VW032101.D

Acq: 14 Aug 2025 18:02

Tgt Ion:	56	Resp:	4566
Ion	Ratio	Lower	Upper
56	100		
69	157.9	28.6	42.8#
84	111.0	73.0	109.4#

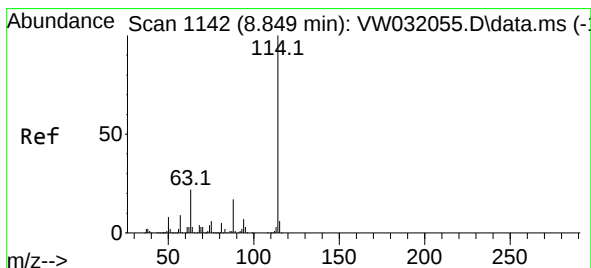
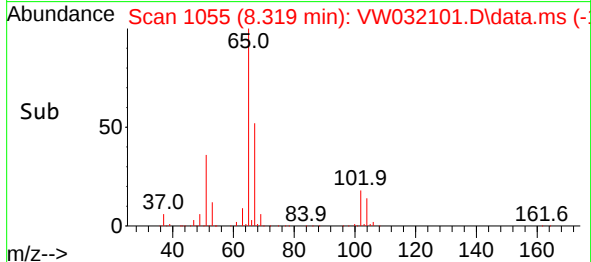
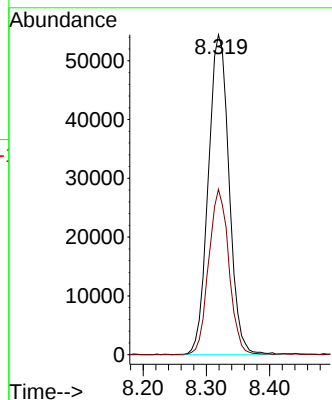
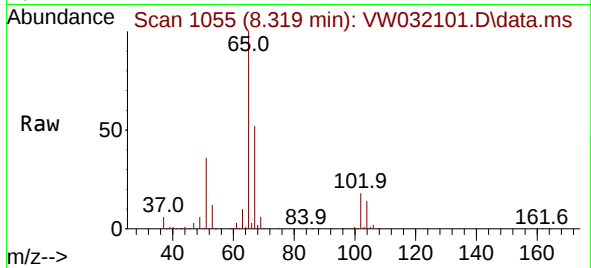




#33
 1,2-Dichloroethane-d4
 Concen: 58.417 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032101.D
 Acq: 14 Aug 2025 18:02

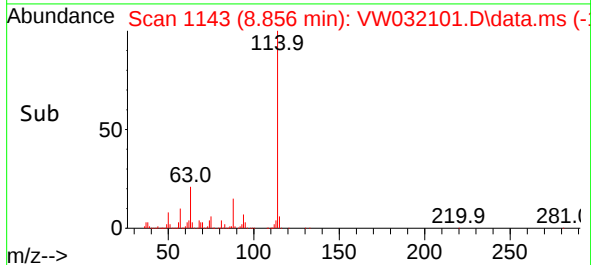
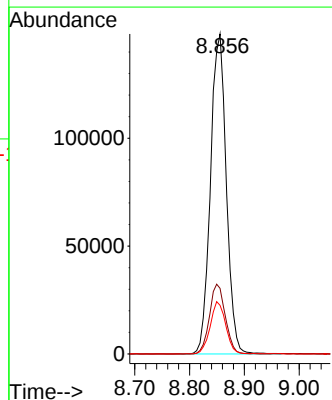
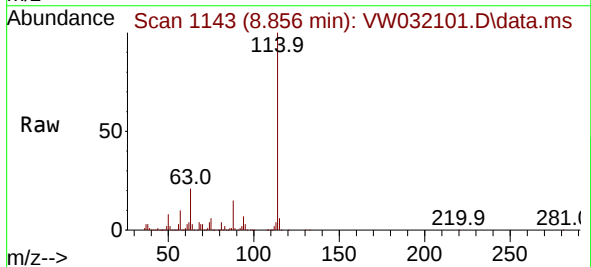
Instrument :
 MSVOA_W
 ClientSampleId :

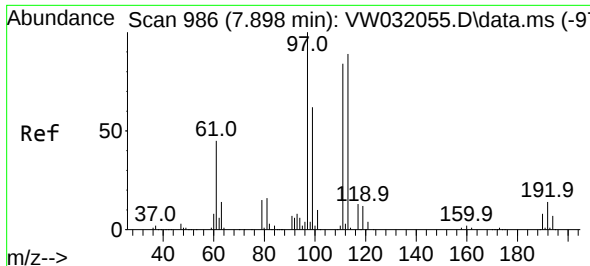
Tgt Ion: 65 Resp: 124522
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.856 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032101.D
 Acq: 14 Aug 2025 18:02

Tgt Ion:114 Resp: 297090
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.0
 88 15.2 0.0 33.8

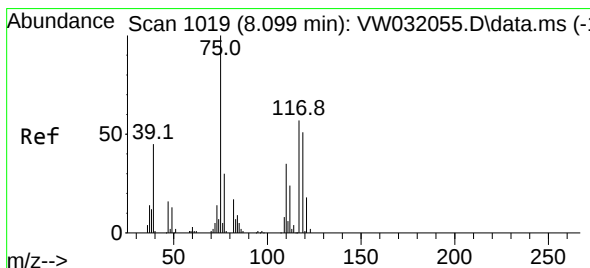
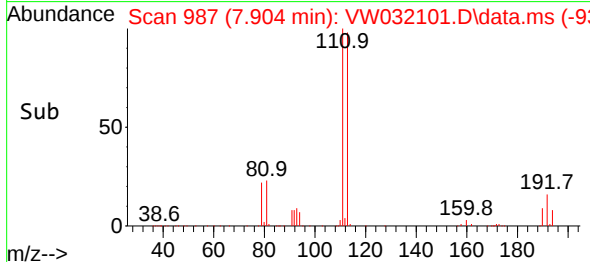
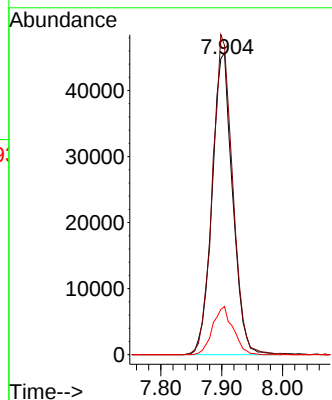
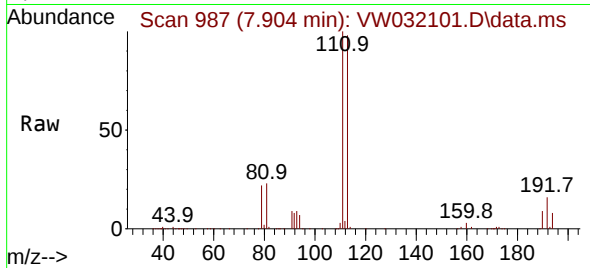




#35
 Dibromofluoromethane
 Concen: 55.709 ug/l
 RT: 7.904 min Scan# 911
 Delta R.T. 0.006 min
 Lab File: VW032101.D
 Acq: 14 Aug 2025 18:02

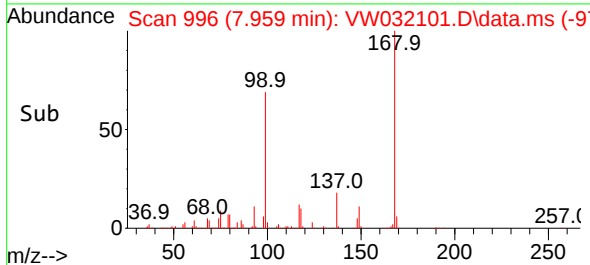
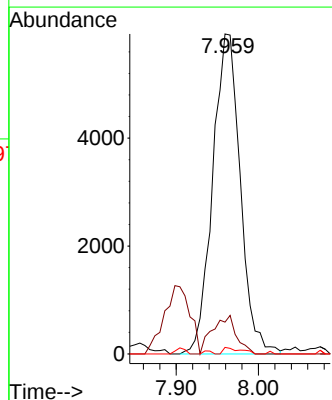
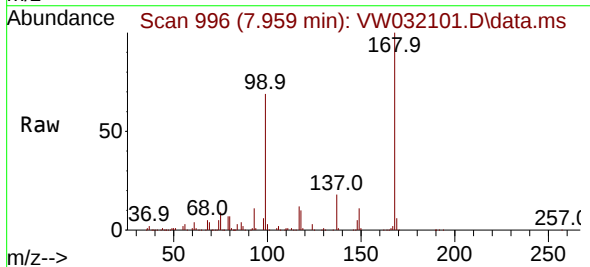
Instrument :
 MSVOA_W
 ClientSampleId :

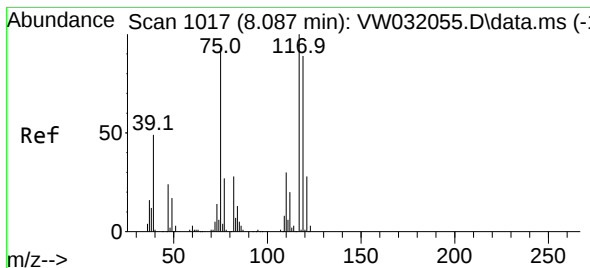
Tgt Ion:113 Resp: 106924
 Ion Ratio Lower Upper
 113 100
 111 104.3 80.1 120.1
 192 15.8 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 5.117 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032101.D
 Acq: 14 Aug 2025 18:02

Tgt Ion: 75 Resp: 13845
 Ion Ratio Lower Upper
 75 100
 110 10.4 17.4 52.2#
 77 1.3 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.465 ug/l

RT: 7.959 min Scan# 91

Delta R.T. -0.128 min

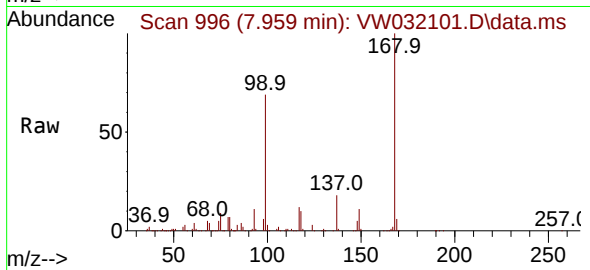
Lab File: VW032101.D

Acq: 14 Aug 2025 18:02

Instrument :

MSVOA_W

ClientSampleId :



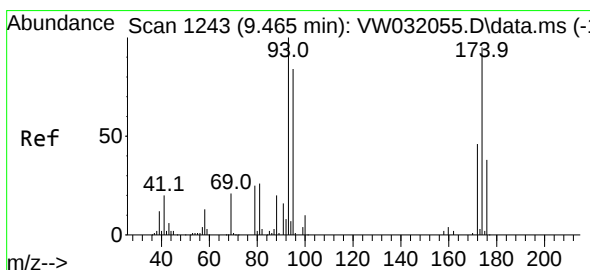
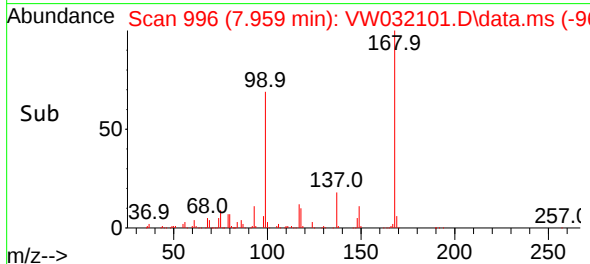
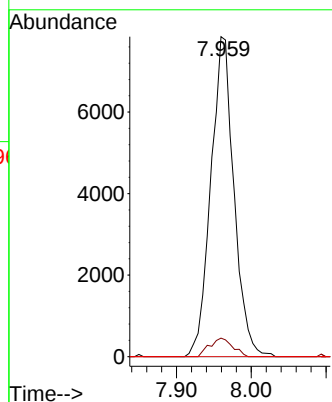
Tgt Ion:117 Resp: 16881

Ion Ratio Lower Upper

117 100

119 5.8 71.4 107.2#

121 0.0 22.3 33.5#



#49

1,4-Dioxane

Concen: 2.949 ug/l

RT: 9.563 min Scan# 1259

Delta R.T. 0.098 min

Lab File: VW032101.D

Acq: 14 Aug 2025 18:02

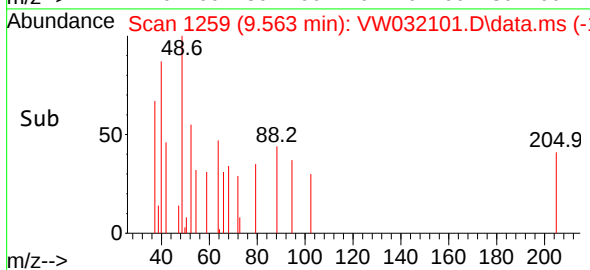
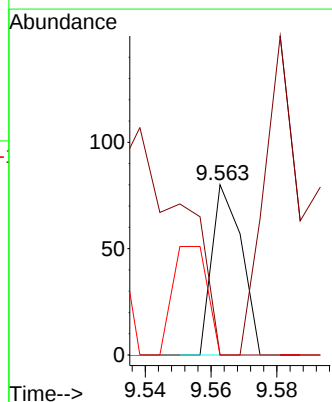
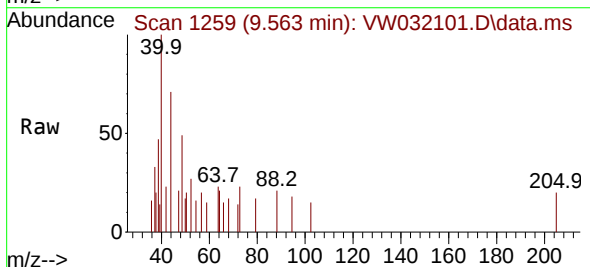
Tgt Ion: 88 Resp: 50

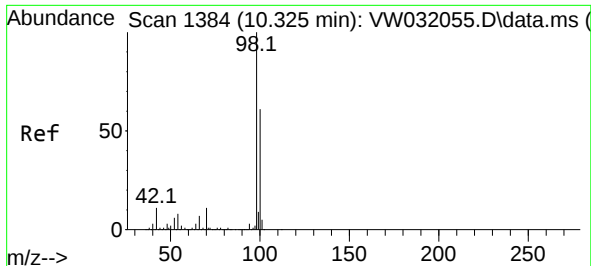
Ion Ratio Lower Upper

88 100

43 202.0 20.6 30.8#

58 0.0 60.4 90.6#

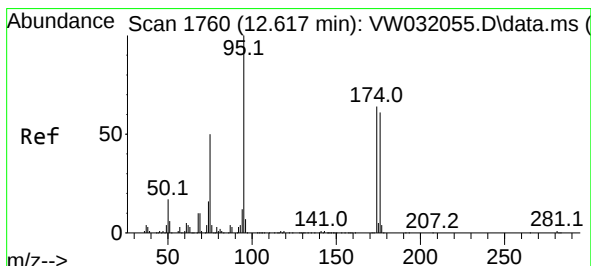
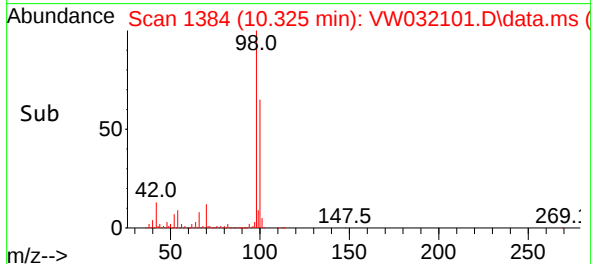
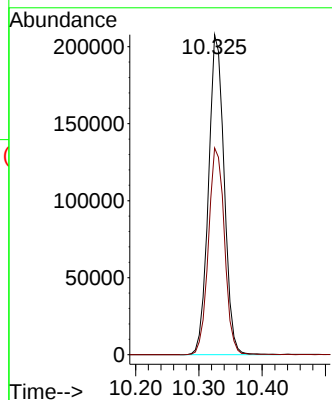
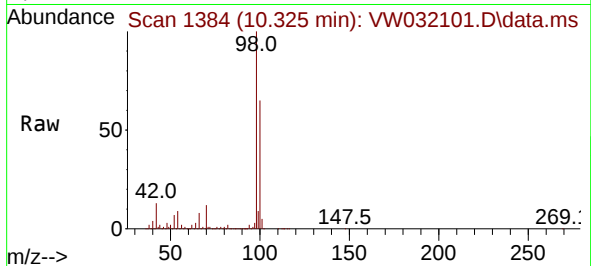




#50
Toluene-d8
Concen: 50.467 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

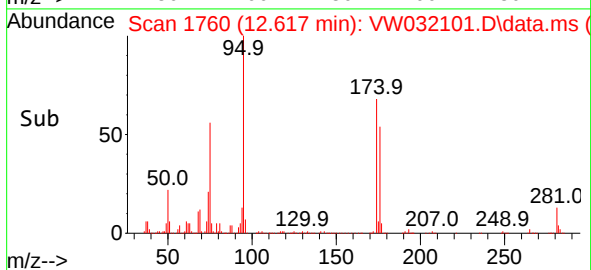
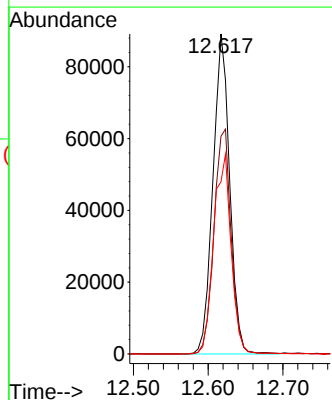
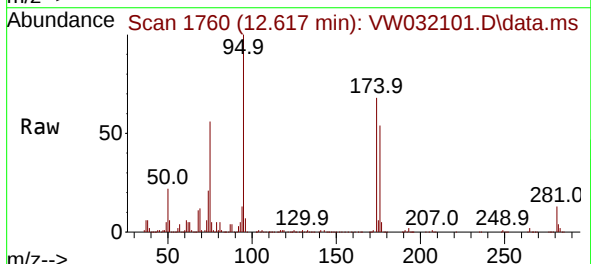
Instrument :
MSVOA_W
ClientSampleId :

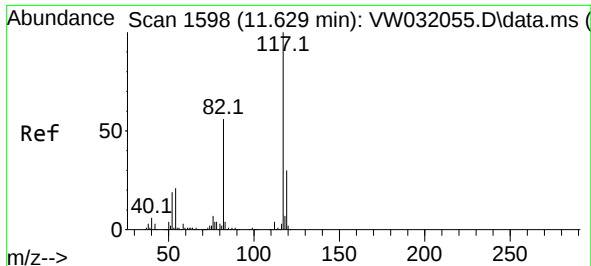
Tgt Ion: 98 Resp: 358263
Ion Ratio Lower Upper
98 100
100 66.2 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 53.015 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

Tgt Ion: 95 Resp: 138690
Ion Ratio Lower Upper
95 100
174 72.1 0.0 129.0
176 65.2 0.0 124.6

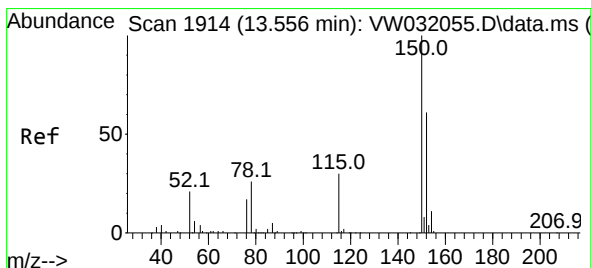
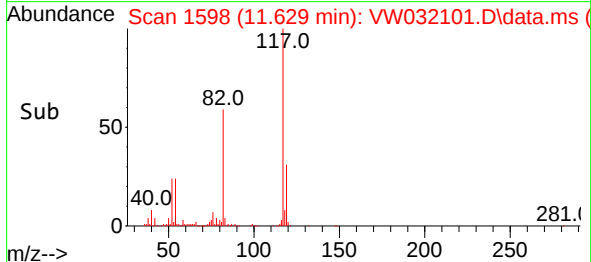
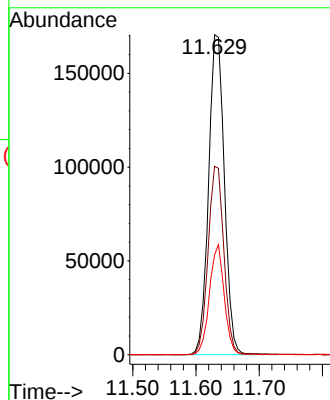
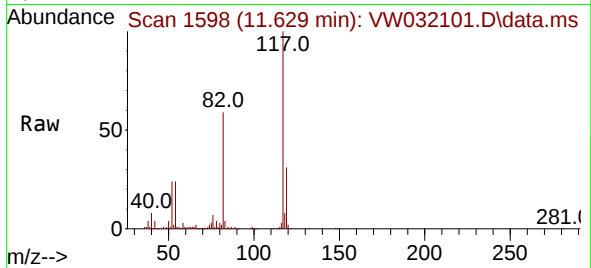




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1159
Delta R.T. 0.000 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

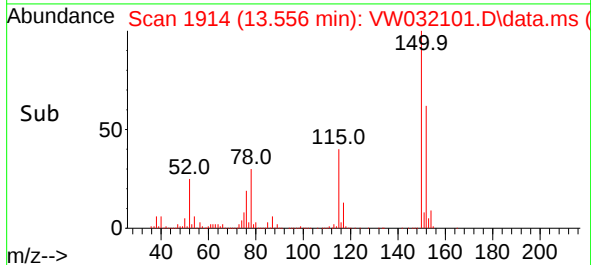
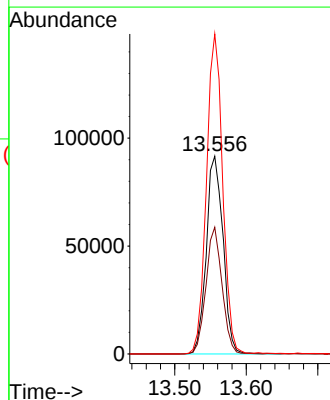
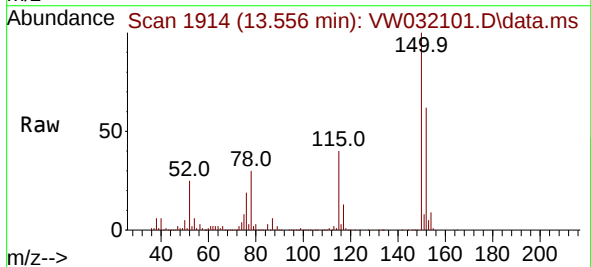
Instrument :
MSVOA_W
ClientSampleId :

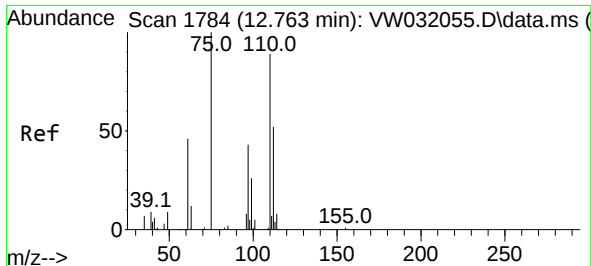
Tgt Ion:117 Resp: 296209
Ion Ratio Lower Upper
117 100
82 58.9 45.0 67.4
119 31.2 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

Tgt Ion:152 Resp: 149072
Ion Ratio Lower Upper
152 100
115 61.7 32.6 97.8
150 156.5 0.0 359.4

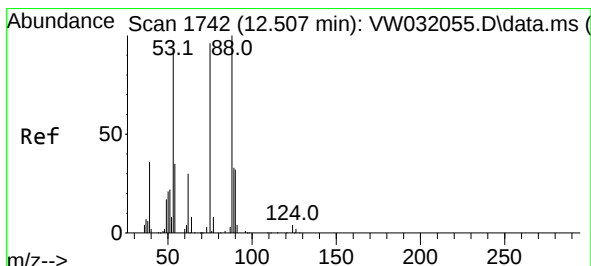
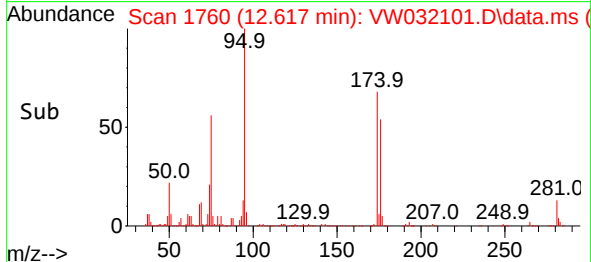
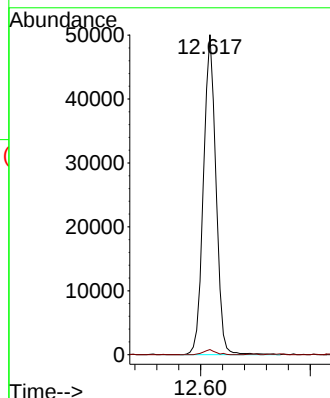
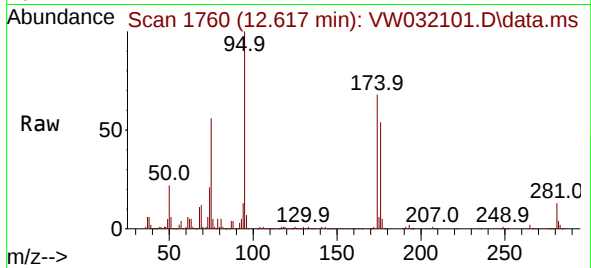




#76
1,2,3-Trichloropropane
Concen: 39.099 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 79107
Ion Ratio Lower Upper
75 100
77 1.5 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.223 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032101.D
Acq: 14 Aug 2025 18:02

Tgt Ion: 75 Resp: 79107
Ion Ratio Lower Upper
75 100
53 0.3 81.0 121.6#
89 0.5 37.3 55.9#

