

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032366.D
 Acq On : 06 Oct 2025 17:46
 Operator : SY/MD
 Sample : Q3297-01
 Misc : 4.75g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 03:50:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

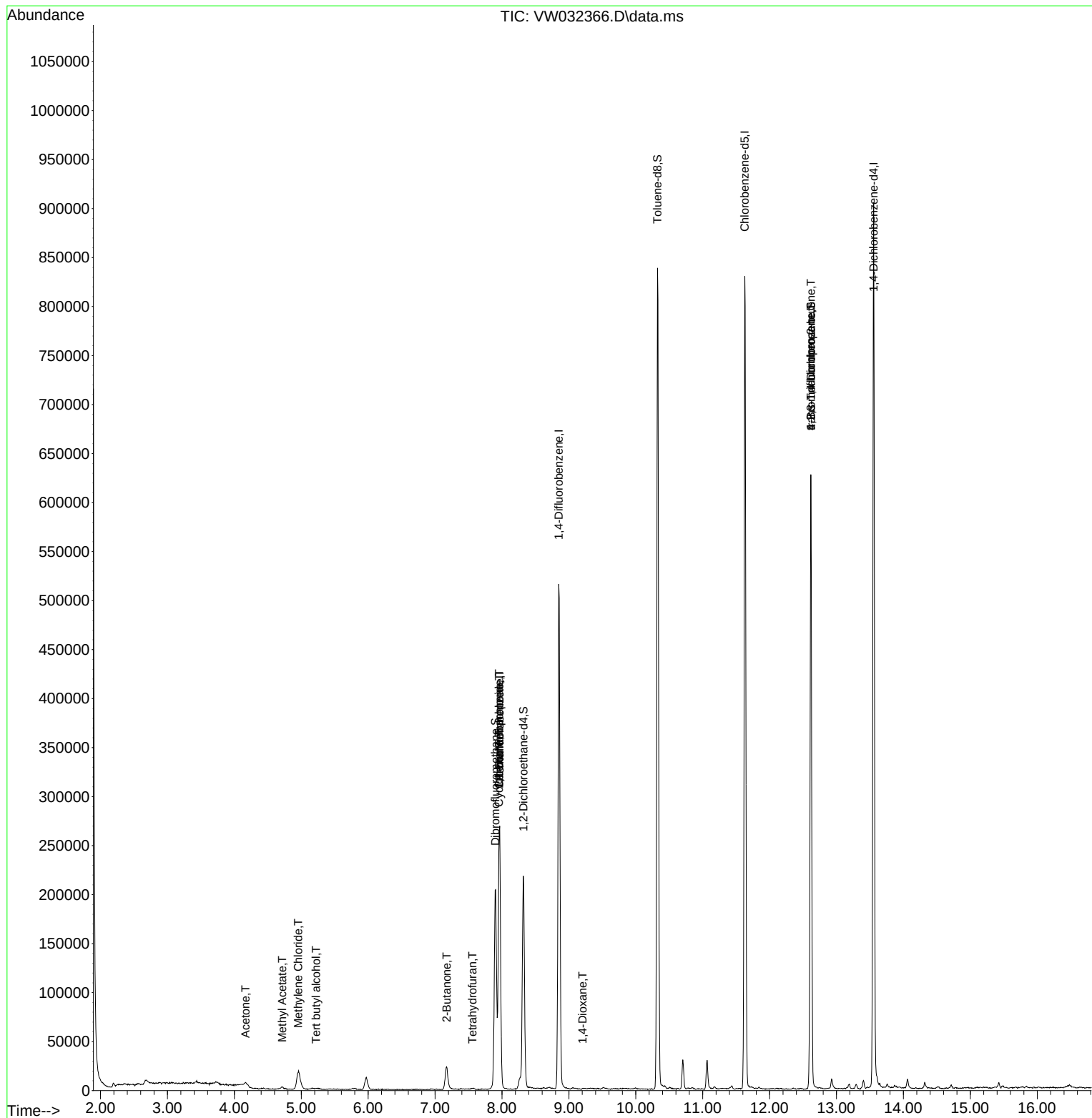
Internal Standards						
1) Pentafluorobenzene	7.965	168	190254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	435018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	452629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	224343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	179724	64.766	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 129.540%	
35) Dibromofluoromethane	7.898	113	154430	54.816	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 109.640%	
50) Toluene-d8	10.325	98	550037	52.900	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 105.800%	
62) 4-Bromofluorobenzene	12.617	95	216378	55.058	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 110.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.222	59	844	4.018	ug/l #	94
16) Acetone	4.167	43	4675	6.084	ug/l	98
18) Methyl Acetate	4.716	43	4601	2.090	ug/l #	74
20) Methylene Chloride	4.954	84	16869	1.440	ug/l	91
25) 2-Butanone	7.173	43	1685	1.610	ug/l #	73
29) Tetrahydrofuran	7.557	42	684	1.039	ug/l #	70
31) Cyclohexane	7.953	56	4926	1.261	ug/l #	14
36) 1,1-Dichloropropene	7.959	75	18113	4.556	ug/l #	49
38) Carbon Tetrachloride	7.959	117	22022	5.886	ug/l #	18
49) 1,4-Dioxane	9.203	88	45	1.721	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	111621	37.809	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	111621	95.781	ug/l #	5

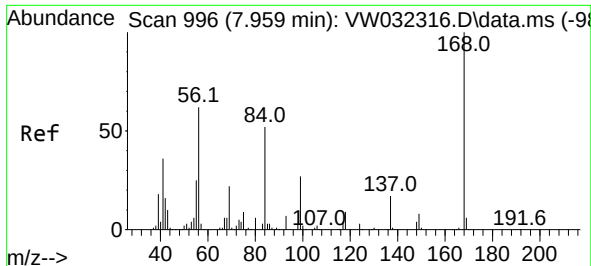
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 07 03:50:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

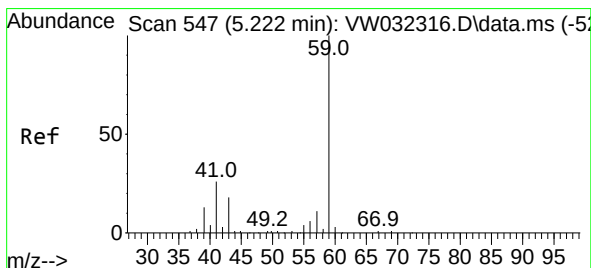
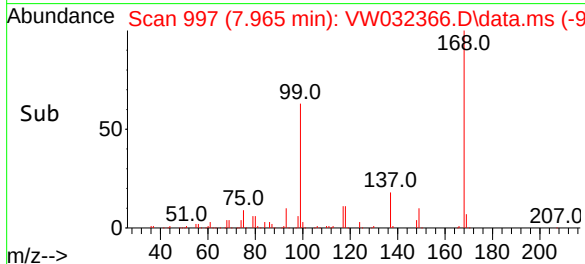
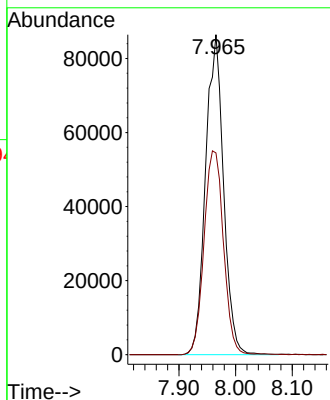
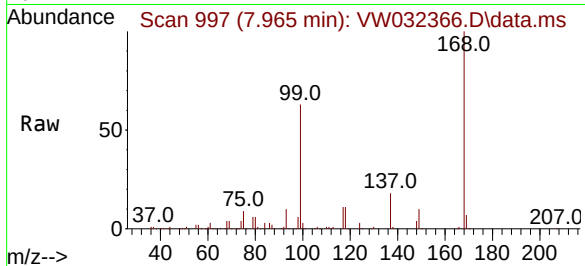




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

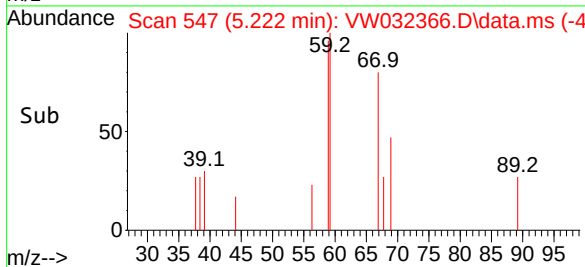
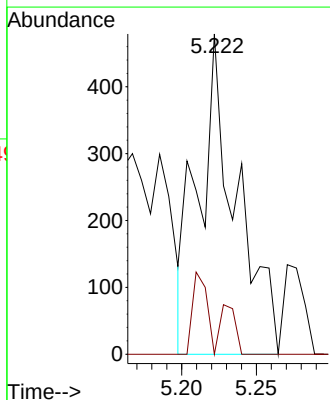
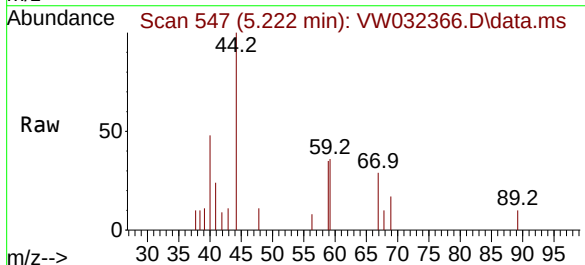
Instrument :
MSVOA_W
ClientSampleId :

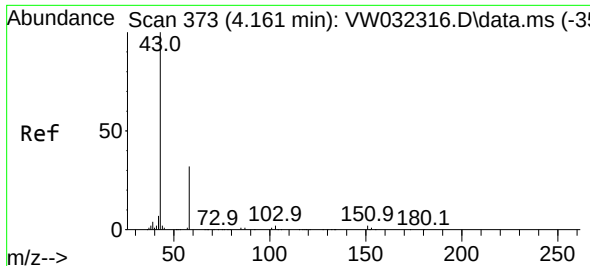
Tgt Ion:168 Resp: 190254
Ion Ratio Lower Upper
168 100
99 63.0 49.3 73.9



#11
Tert butyl alcohol
Concen: 4.018 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

Tgt Ion: 59 Resp: 844
Ion Ratio Lower Upper
59 100
57 9.7 9.8 14.6#

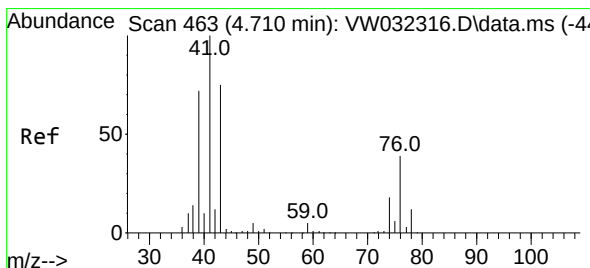
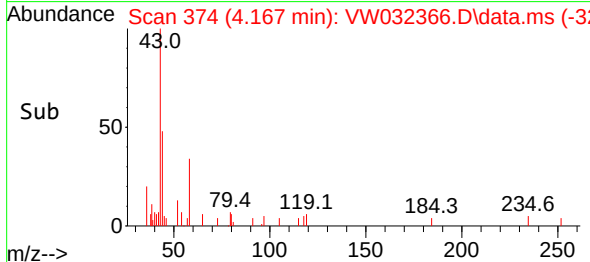
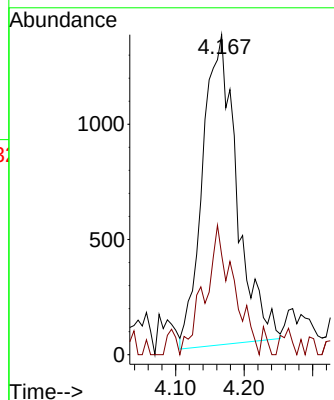
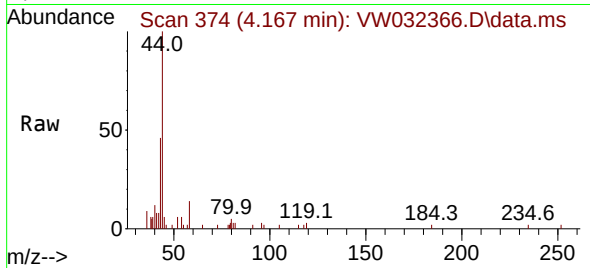




#16
Acetone
Concen: 6.084 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

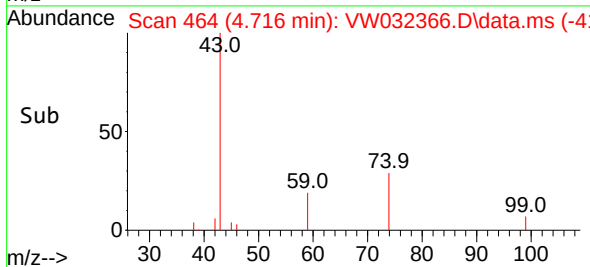
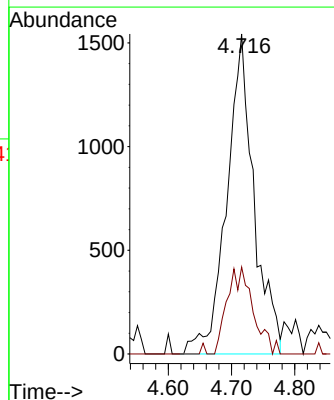
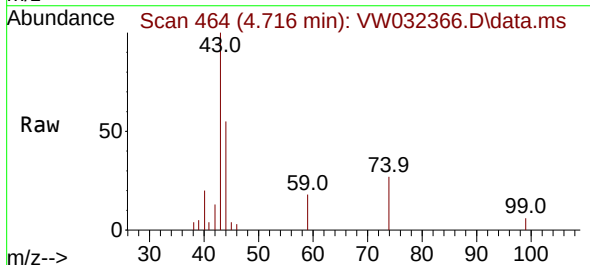
Instrument :
MSVOA_W
ClientSampleId :

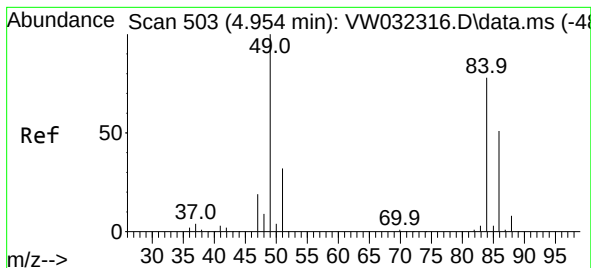
Tgt Ion: 43 Resp: 4675
Ion Ratio Lower Upper
43 100
58 32.8 25.3 37.9



#18
Methyl Acetate
Concen: 2.090 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

Tgt Ion: 43 Resp: 4601
Ion Ratio Lower Upper
43 100
74 12.0 20.2 30.4#





#20

Methylene Chloride

Concen: 1.440 ug/l

RT: 4.954 min Scan# 503

Delta R.T. -0.006 min

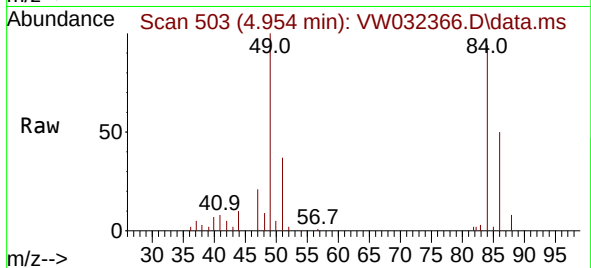
Lab File: VW032366.D

Acq: 06 Oct 2025 17:46

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 84 Resp: 16869

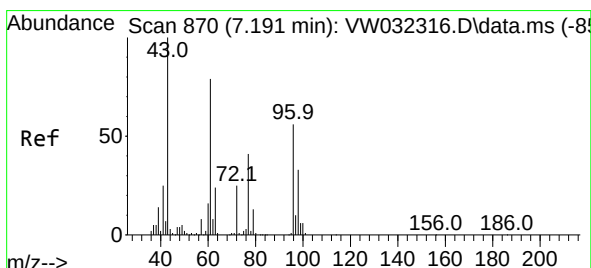
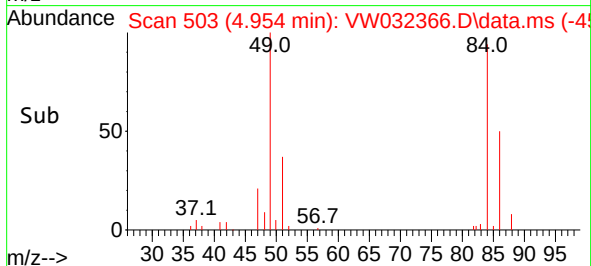
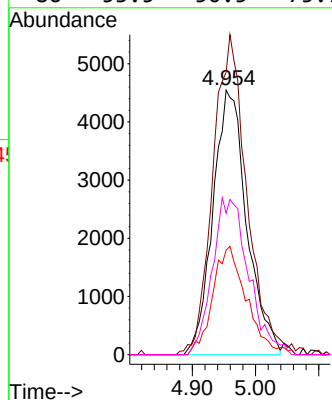
Ion Ratio Lower Upper

84 100

49 105.4 92.2 138.4

51 39.5 31.0 46.6

86 53.5 50.5 75.7



#25

2-Butanone

Concen: 1.610 ug/l

RT: 7.173 min Scan# 867

Delta R.T. -0.018 min

Lab File: VW032366.D

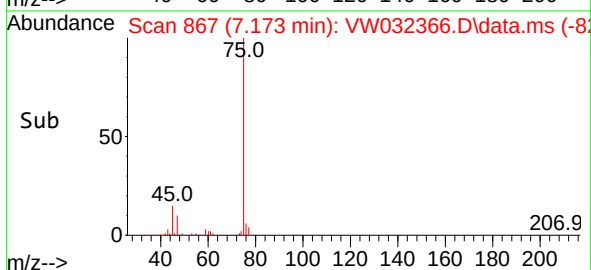
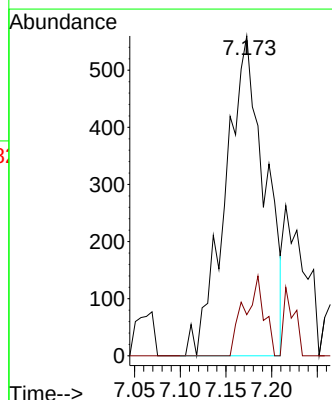
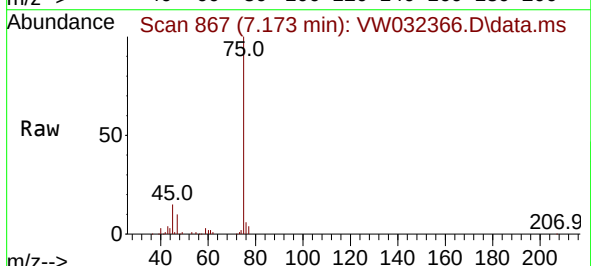
Acq: 06 Oct 2025 17:46

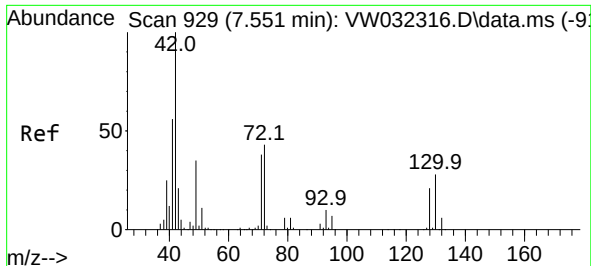
Tgt Ion: 43 Resp: 1685

Ion Ratio Lower Upper

43 100

72 12.9 21.4 32.2#





#29

Tetrahydrofuran

Concen: 1.039 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032366.D

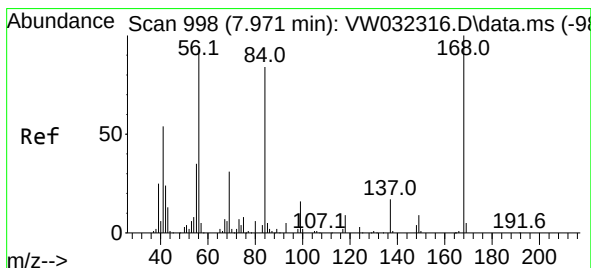
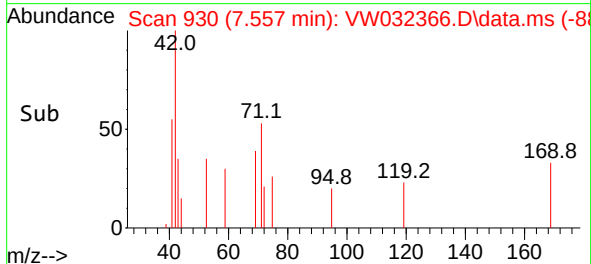
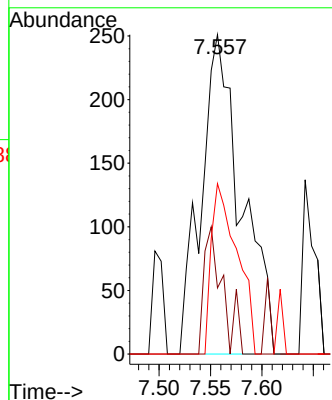
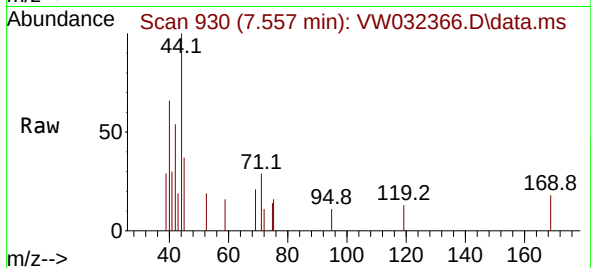
Acq: 06 Oct 2025 17:46

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	42	Resp:	684
Ion	Ratio	Lower	Upper
42	100		
72	18.6	37.4	56.2#
71	34.4	36.0	54.0#



#31

Cyclohexane

Concen: 1.261 ug/l

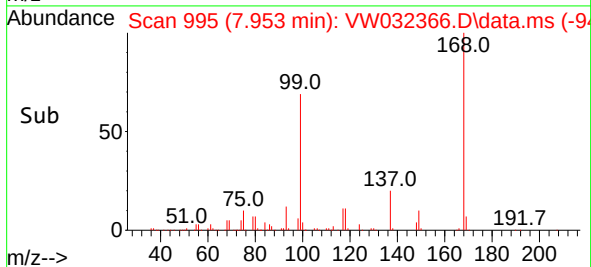
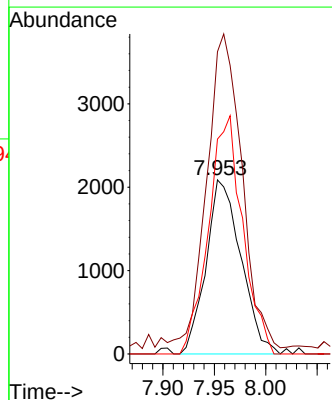
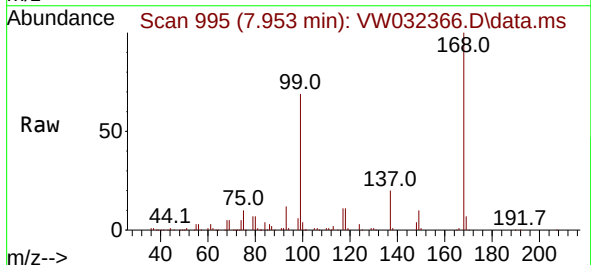
RT: 7.953 min Scan# 995

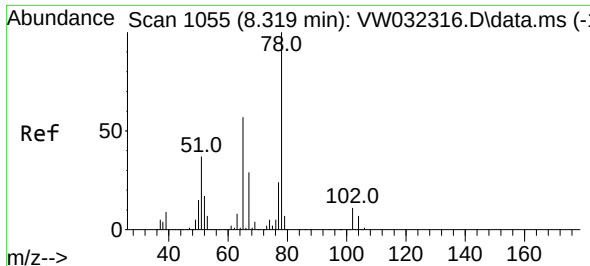
Delta R.T. -0.018 min

Lab File: VW032366.D

Acq: 06 Oct 2025 17:46

Tgt Ion:	56	Resp:	4926
Ion	Ratio	Lower	Upper
56	100		
69	170.0	27.7	41.5#
84	123.5	74.6	112.0#

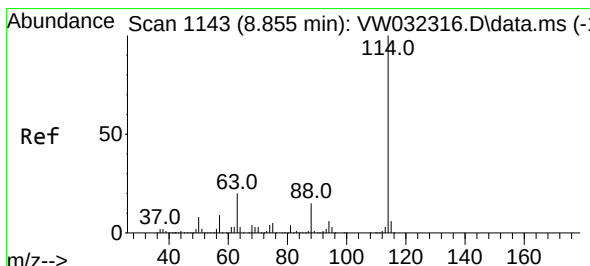
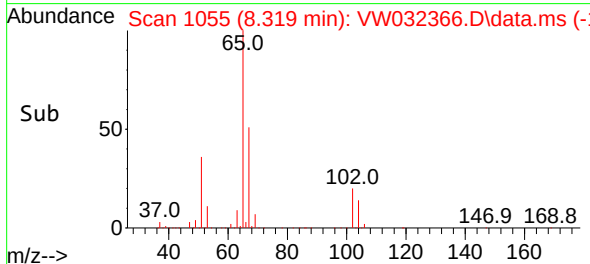
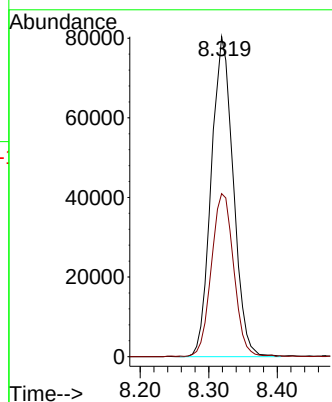
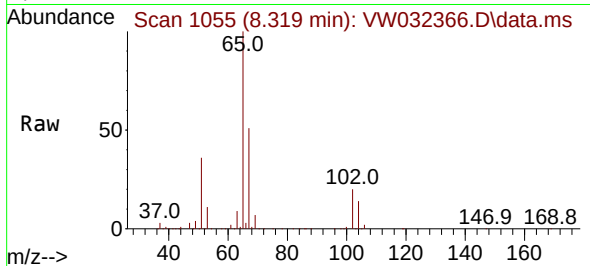




#33
 1,2-Dichloroethane-d4
 Concen: 64.766 ug/l
 RT: 8.319 min Scan# 1105
 Delta R.T. -0.000 min
 Lab File: VW032366.D
 Acq: 06 Oct 2025 17:46

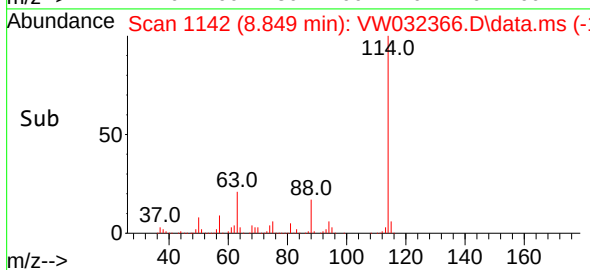
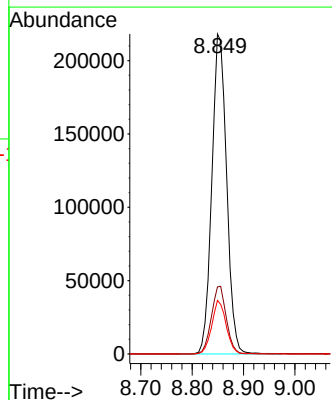
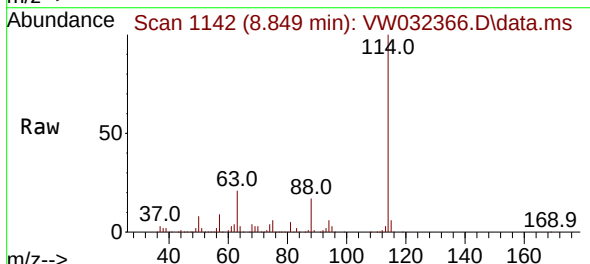
Instrument :
 MSVOA_W
 ClientSampleId :

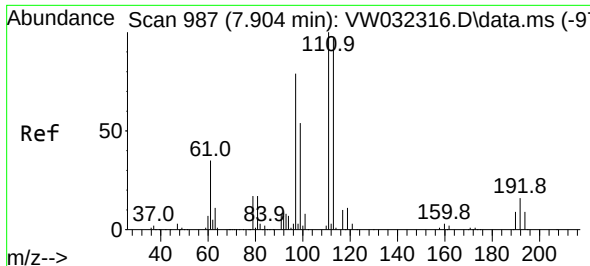
Tgt Ion: 65 Resp: 179724
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032366.D
 Acq: 06 Oct 2025 17:46

Tgt Ion: 114 Resp: 435018
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.4
 88 16.7 0.0 32.0

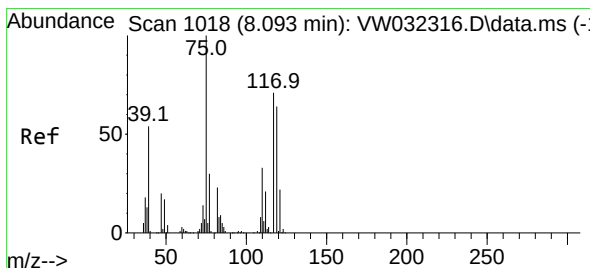
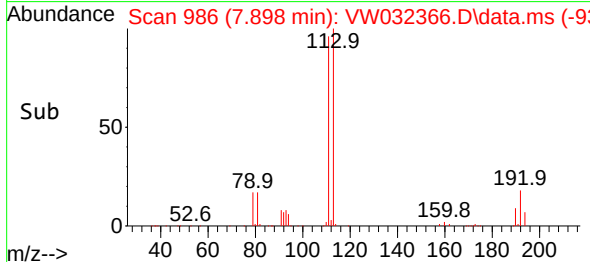
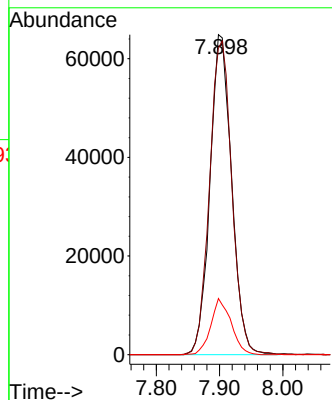
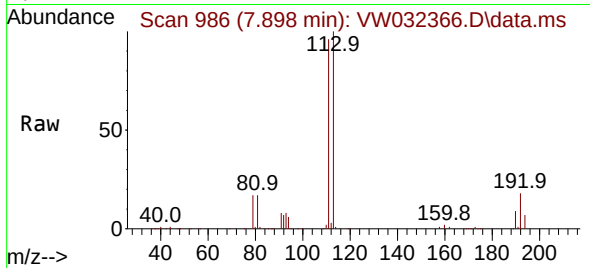




#35
Dibromofluoromethane
Concen: 54.816 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

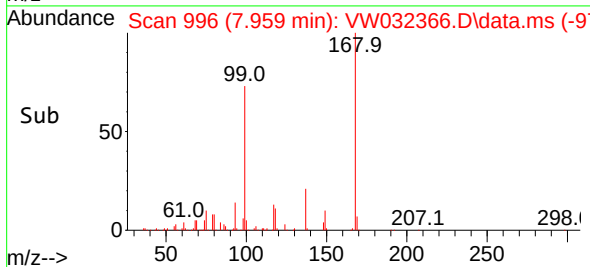
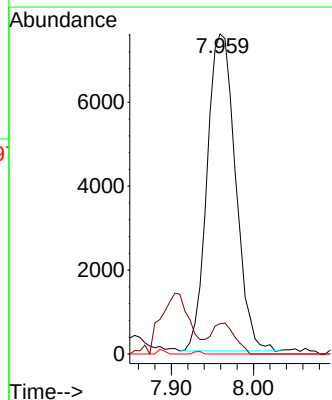
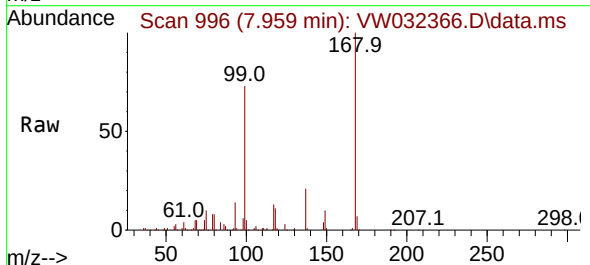
Instrument :
MSVOA_W
ClientSampleId :

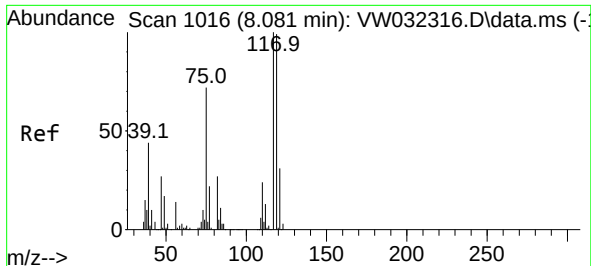
Tgt Ion:113 Resp: 154430
Ion Ratio Lower Upper
113 100
111 101.3 83.9 125.9
192 16.5 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.556 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

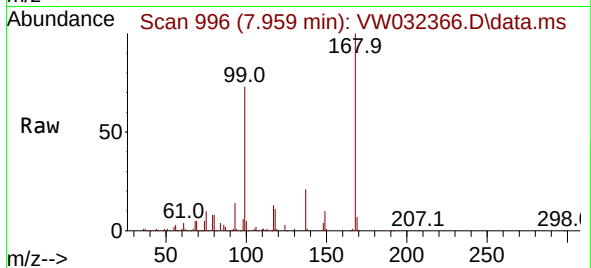
Tgt Ion: 75 Resp: 18113
Ion Ratio Lower Upper
75 100
110 7.9 17.5 52.5#
77 0.0 24.1 36.1#



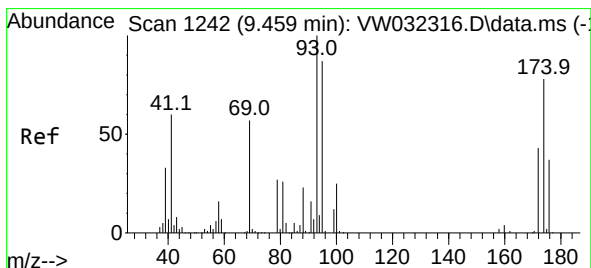
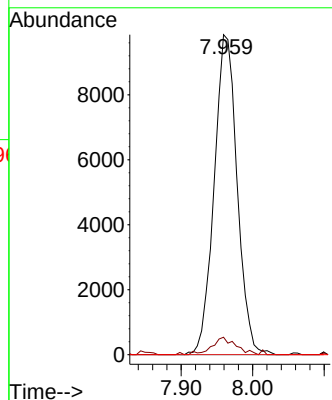
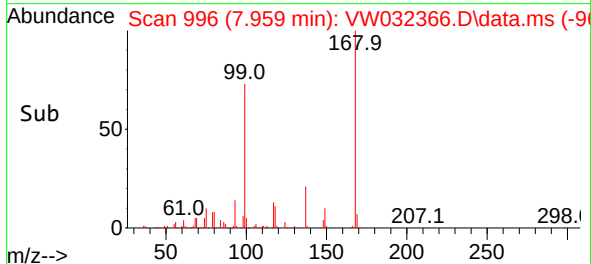


#38
Carbon Tetrachloride
Concen: 5.886 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.128 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

Instrument :
MSVOA_W
ClientSampleId :

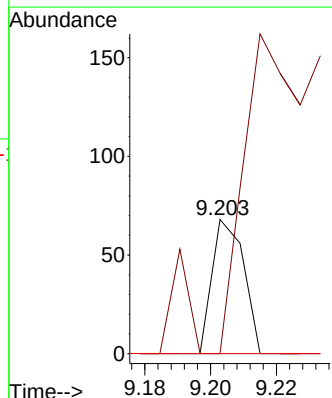
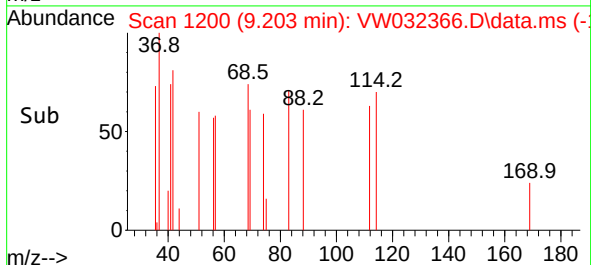
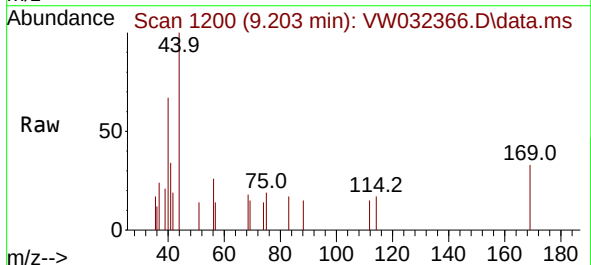


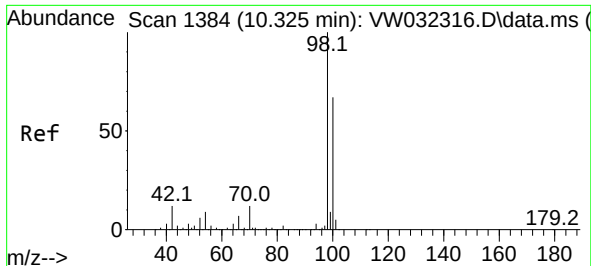
Tgt Ion:117 Resp: 22022
Ion Ratio Lower Upper
117 100
119 5.5 74.2 111.2#
121 0.0 25.6 38.4#



#49
1,4-Dioxane
Concen: 1.721 ug/l
RT: 9.203 min Scan# 1200
Delta R.T. -0.256 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 417.8 18.0 27.0#
58 0.0 55.4 83.0#

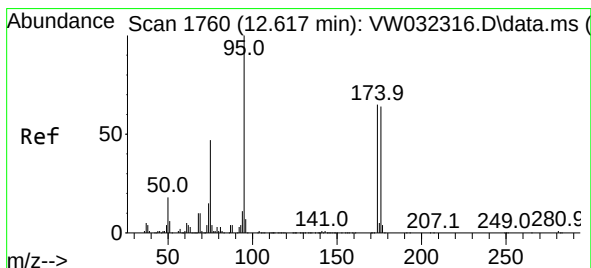
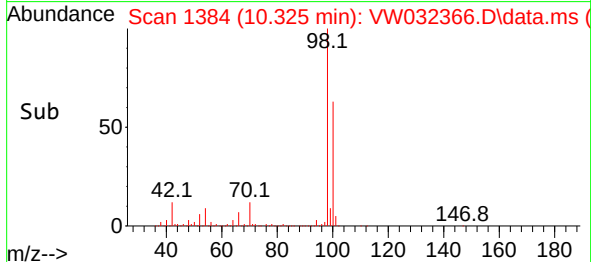
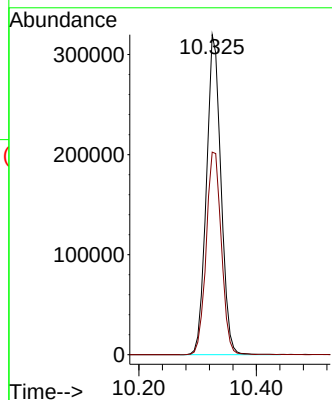
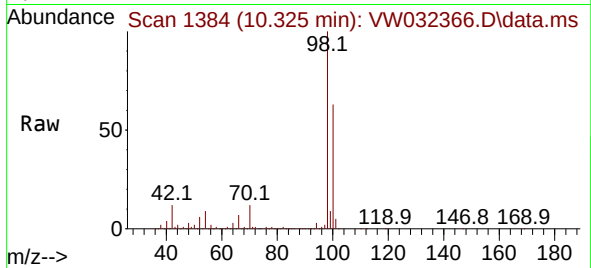




#50
Toluene-d8
Concen: 52.900 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

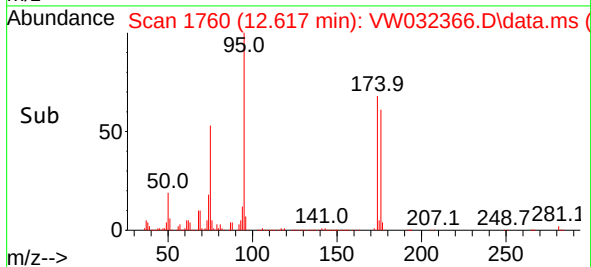
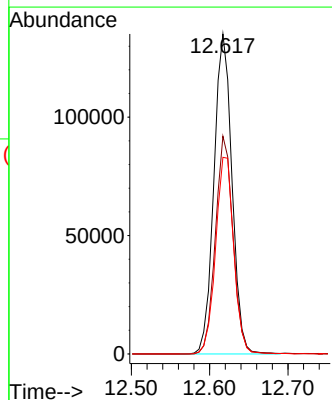
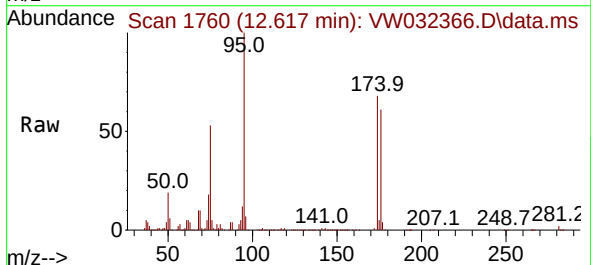
Instrument :
MSVOA_W
ClientSampleId :

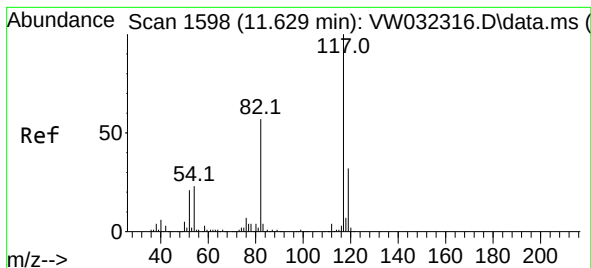
Tgt Ion: 98 Resp: 550037
Ion Ratio Lower Upper
98 100
100 65.9 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 55.058 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

Tgt Ion: 95 Resp: 216378
Ion Ratio Lower Upper
95 100
174 66.6 0.0 145.6
176 62.1 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: VW032366.D

Acq: 06 Oct 2025 17:46

Instrument :

MSVOA_W

ClientSampleId :

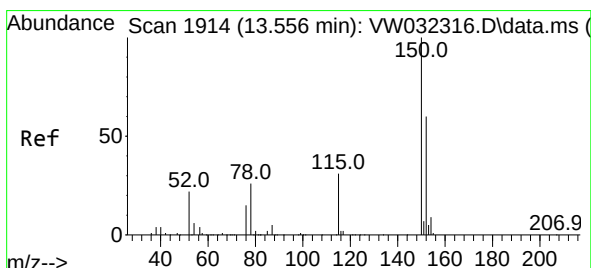
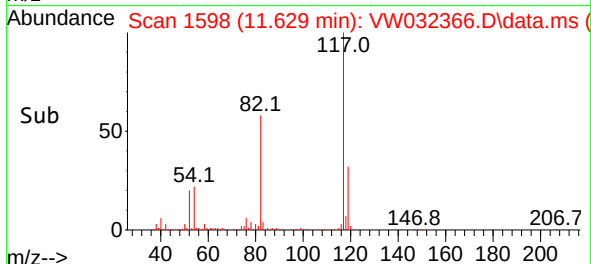
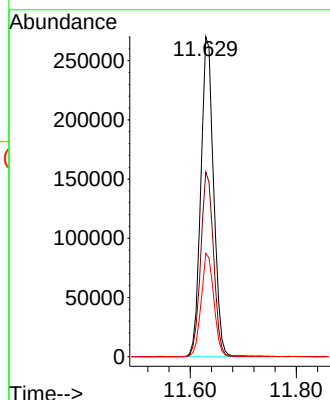
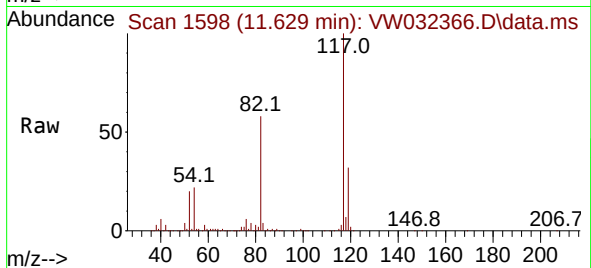
Tgt Ion:117 Resp: 452629

Ion Ratio Lower Upper

117 100

82 57.7 42.7 64.1

119 32.2 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: VW032366.D

Acq: 06 Oct 2025 17:46

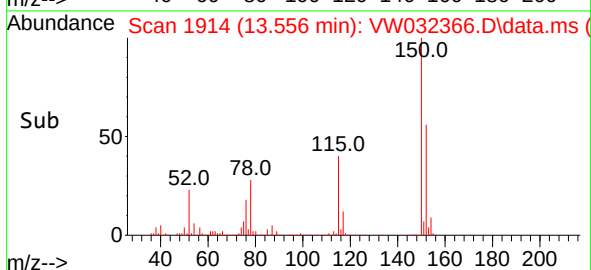
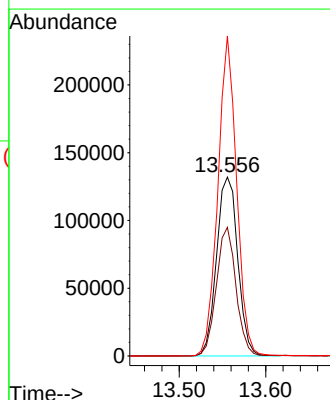
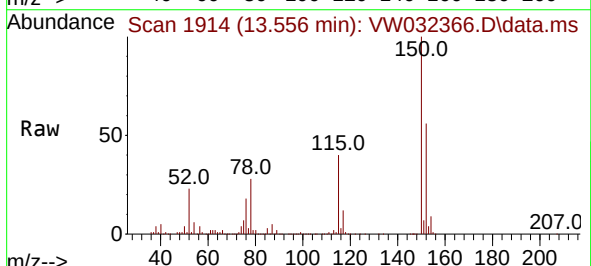
Tgt Ion:152 Resp: 224343

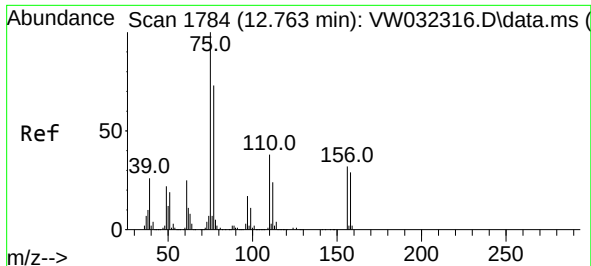
Ion Ratio Lower Upper

152 100

115 67.1 31.8 95.4

150 158.7 0.0 343.0

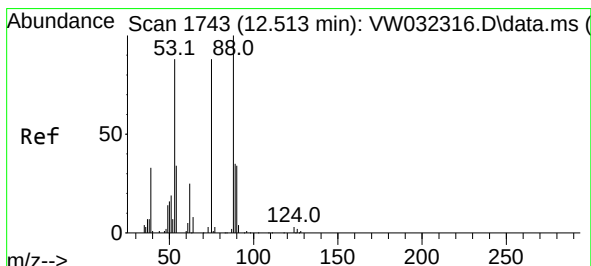
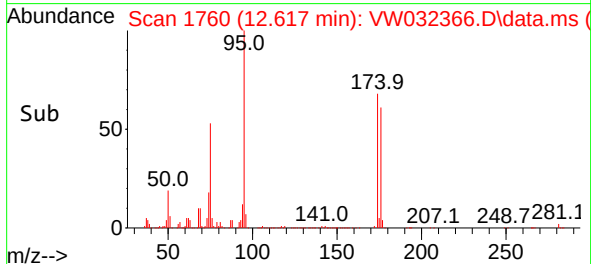
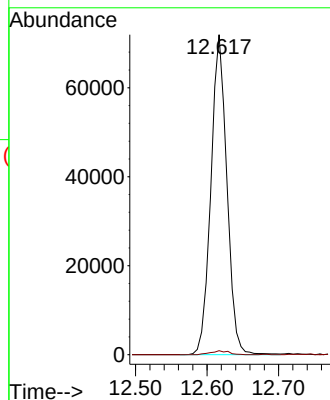
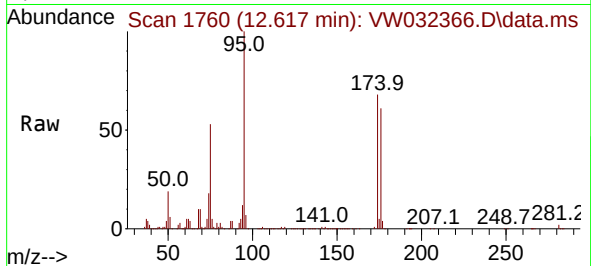




#76
1,2,3-Trichloropropane
Concen: 37.809 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 111621
Ion Ratio Lower Upper
75 100
77 1.4 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.781 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

Tgt Ion: 75 Resp: 111621
Ion Ratio Lower Upper
75 100
53 0.1 91.0 136.6#
89 0.0 39.4 59.2#

