

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032363.D
 Acq On : 06 Oct 2025 16:39
 Operator : SY/MD
 Sample : Q3295-03
 Misc : 5.28g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 03:49:00 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)

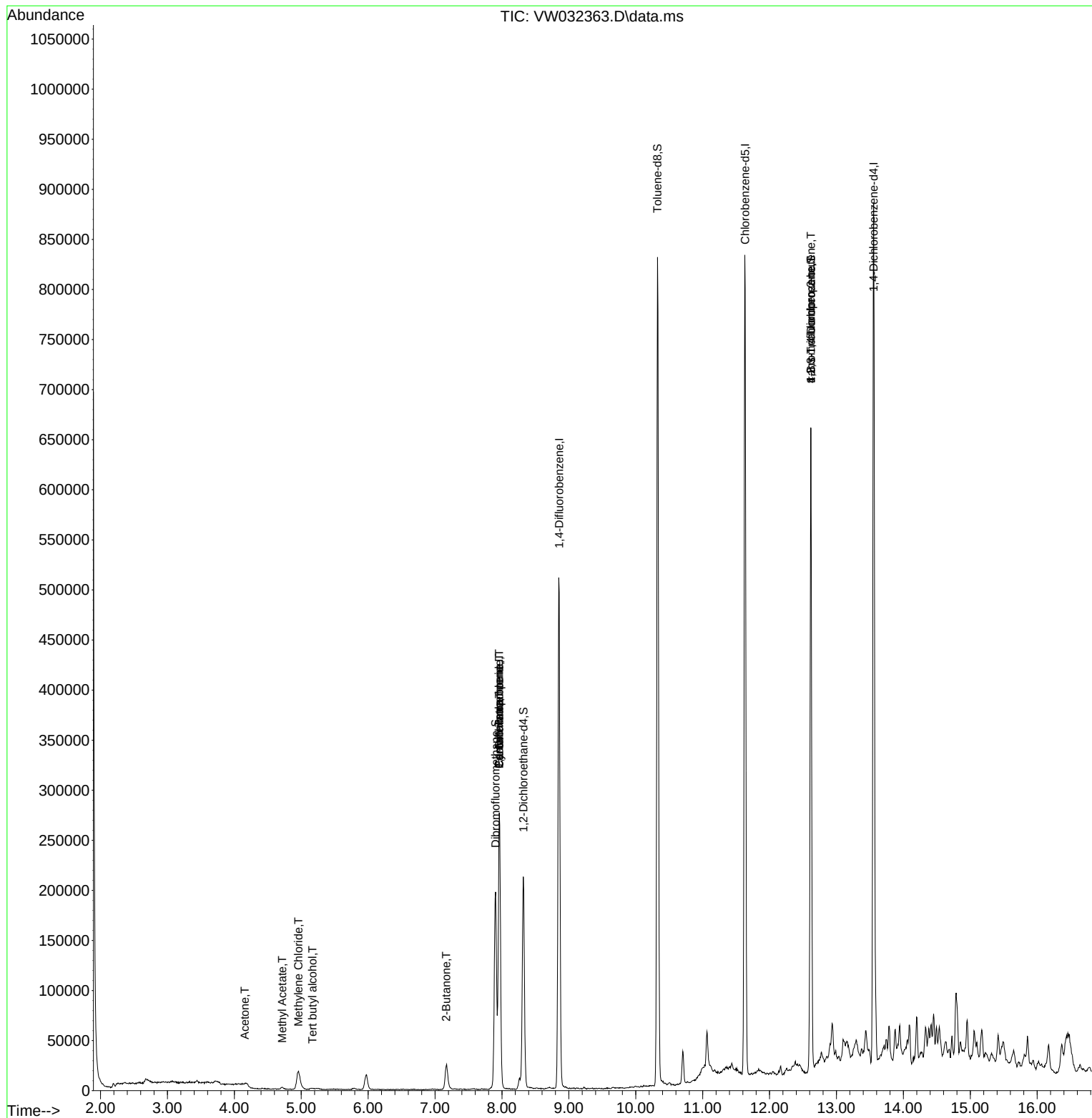
Internal Standards						
1) Pentafluorobenzene	7.959	168	191766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	430557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	449428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	225653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	174735	62.472	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 124.940%			
35) Dibromofluoromethane	7.904	113	149056	53.457	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 106.920%			
50) Toluene-d8	10.325	98	549452	53.391	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 106.780%			
62) 4-Bromofluorobenzene	12.617	95	223954	57.576	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 115.160%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.167	59	405	1.913	ug/l #	85
16) Acetone	4.155	43	2130	2.750	ug/l	93
18) Methyl Acetate	4.716	43	4226	1.905	ug/l	96
20) Methylene Chloride	4.960	84	16348	1.154	ug/l	95
25) 2-Butanone	7.167	43	1366	1.295	ug/l #	74
31) Cyclohexane	7.959	56	5018	1.274	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	18195	4.624	ug/l #	51
38) Carbon Tetrachloride	7.959	117	21714	5.864	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	113280	38.148	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	113280	96.640	ug/l #	5

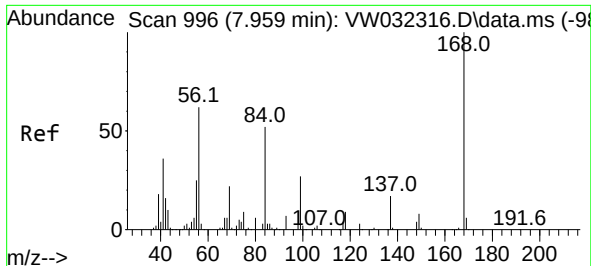
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
Data File : VW032363.D
Acq On : 06 Oct 2025 16:39
Operator : SY/MD
Sample : Q3295-03
Misc : 5.28g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 07 03:49:00 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

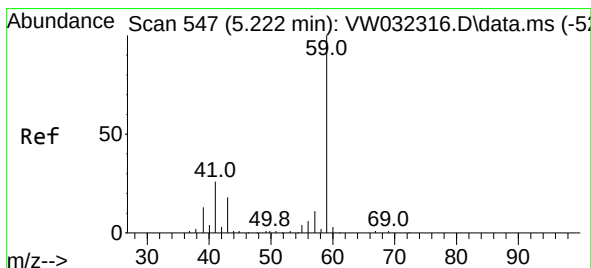
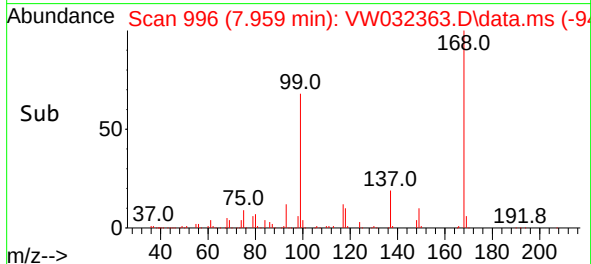
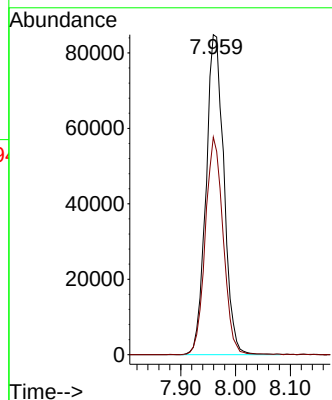
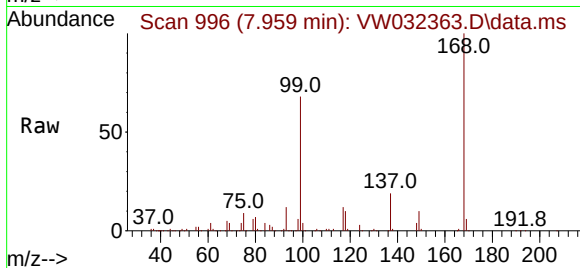




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032363.D
Acq: 06 Oct 2025 16:39

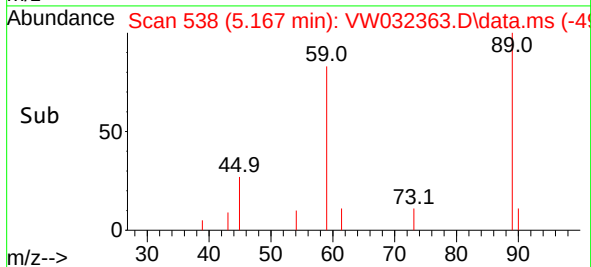
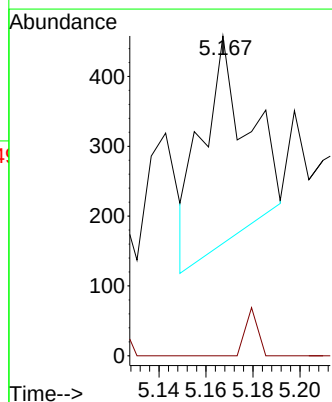
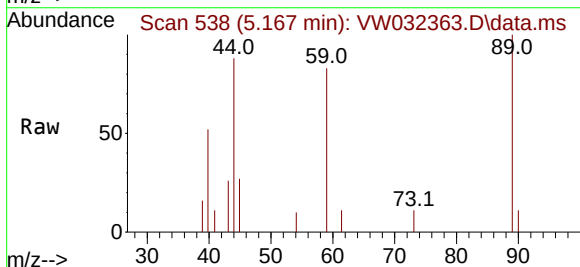
Instrument :
MSVOA_W
ClientSampleId :

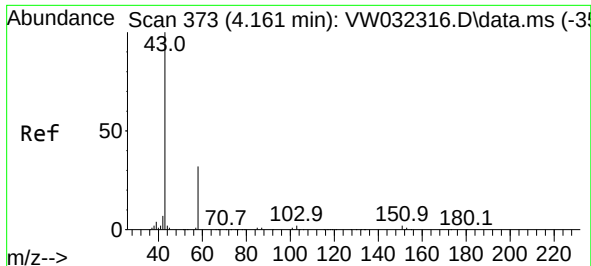
Tgt Ion:168 Resp: 191766
Ion Ratio Lower Upper
168 100
99 68.0 49.3 73.9



#11
Tert butyl alcohol
Concen: 1.913 ug/l
RT: 5.167 min Scan# 538
Delta R.T. -0.055 min
Lab File: VW032363.D
Acq: 06 Oct 2025 16:39

Tgt Ion: 59 Resp: 405
Ion Ratio Lower Upper
59 100
57 6.2 9.8 14.6#

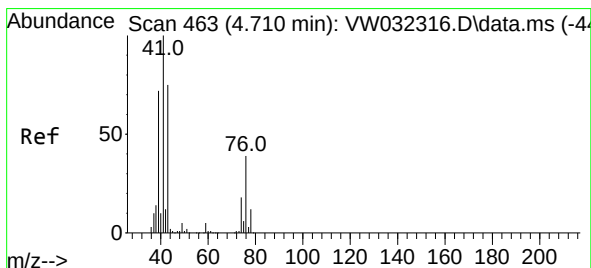
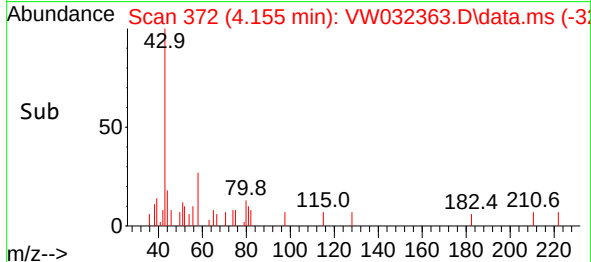
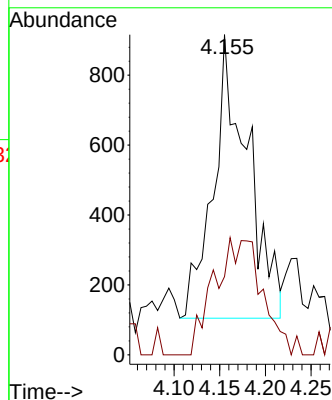
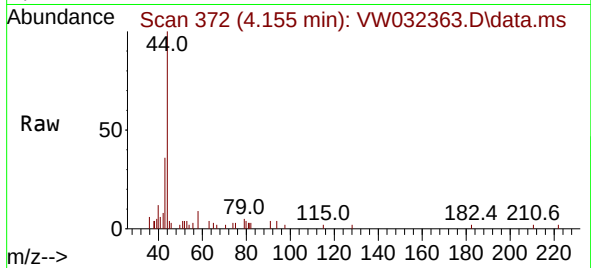




#16
Acetone
Concen: 2.750 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032363.D
Acq: 06 Oct 2025 16:39

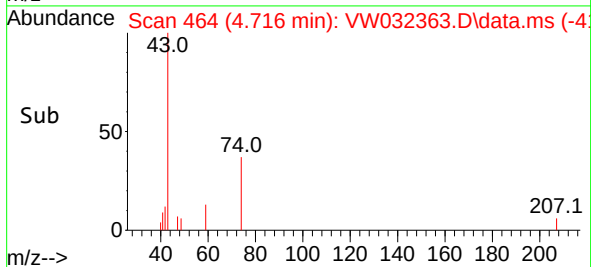
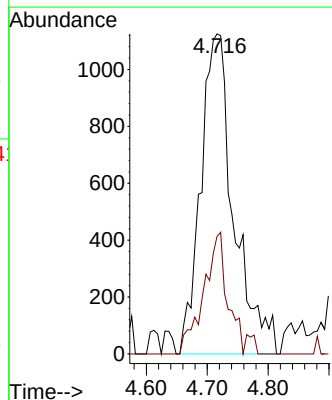
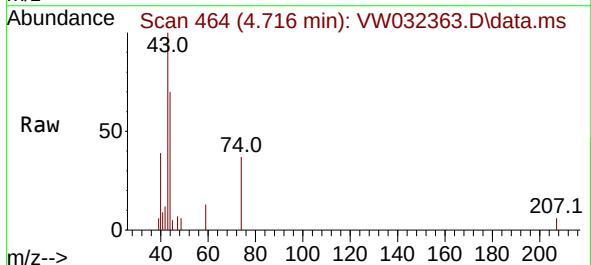
Instrument :
MSVOA_W
ClientSampleId :

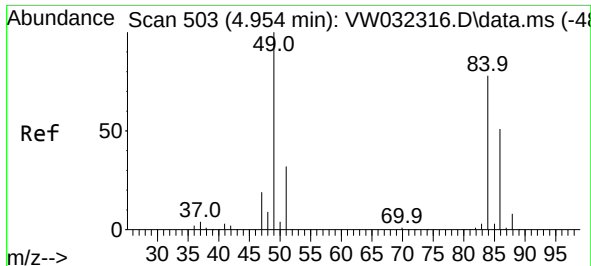
Tgt Ion: 43 Resp: 2130
Ion Ratio Lower Upper
43 100
58 27.6 25.3 37.9



#18
Methyl Acetate
Concen: 1.905 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032363.D
Acq: 06 Oct 2025 16:39

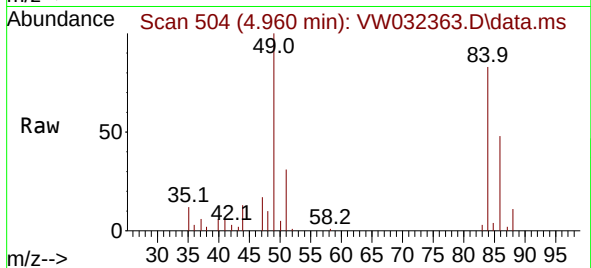
Tgt Ion: 43 Resp: 4226
Ion Ratio Lower Upper
43 100
74 27.4 20.2 30.4





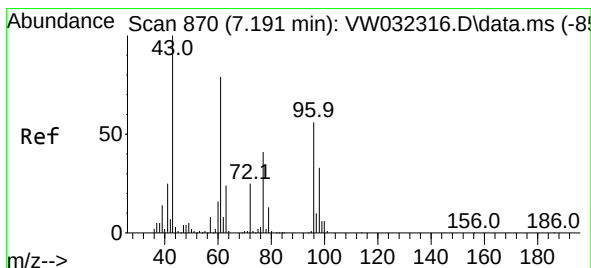
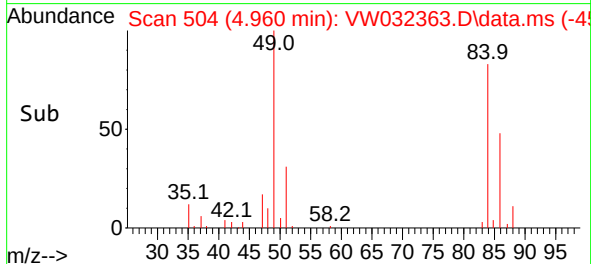
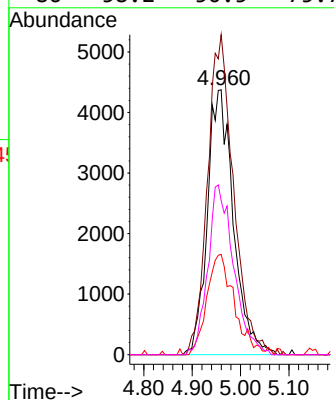
#20
Methylene Chloride
Concen: 1.154 ug/l
RT: 4.960 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032363.D
Acq: 06 Oct 2025 16:39

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 84 Resp: 16348

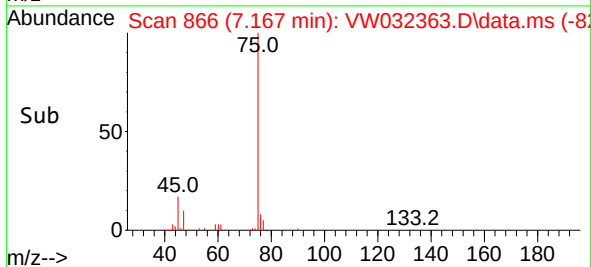
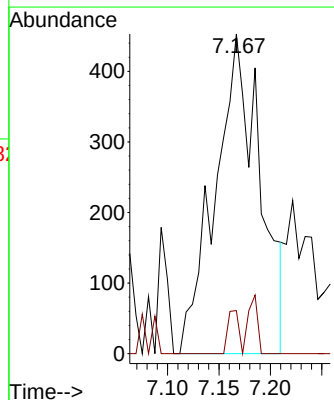
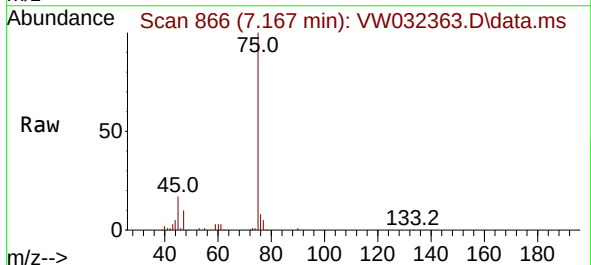
Ion	Ratio	Lower	Upper
84	100		
49	120.7	92.2	138.4
51	35.8	31.0	46.6
86	58.2	50.5	75.7

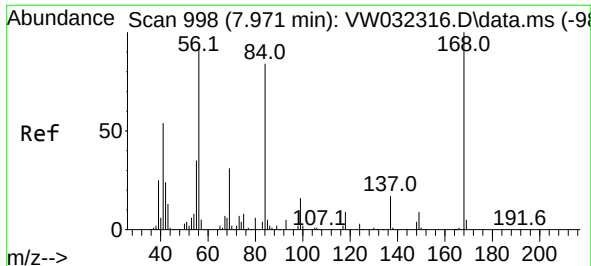


#25
2-Butanone
Concen: 1.295 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032363.D
Acq: 06 Oct 2025 16:39

Tgt Ion: 43 Resp: 1366

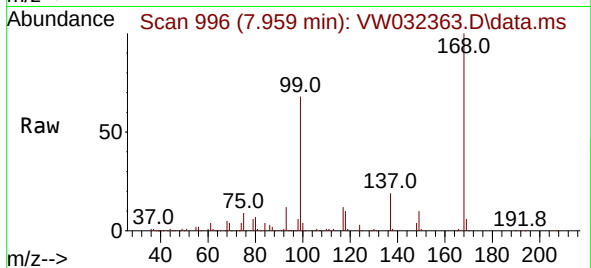
Ion	Ratio	Lower	Upper
43	100		
72	13.5	21.4	32.2#



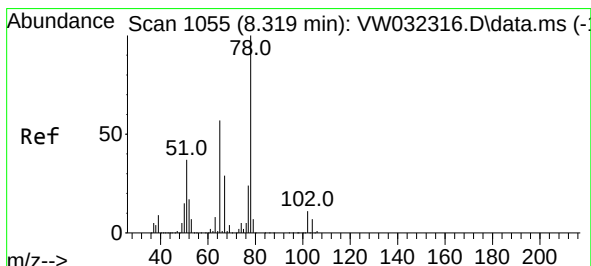
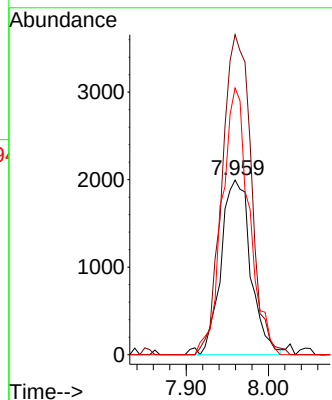
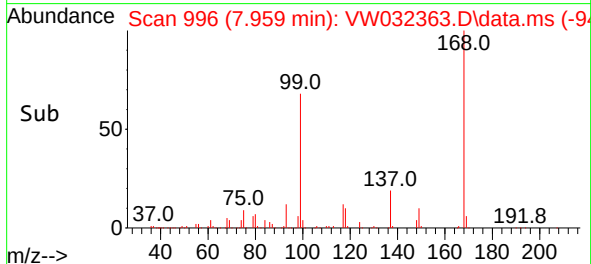


#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032363.D
Acq: 06 Oct 2025 16:39

Instrument :
MSVOA_W
ClientSampleId :

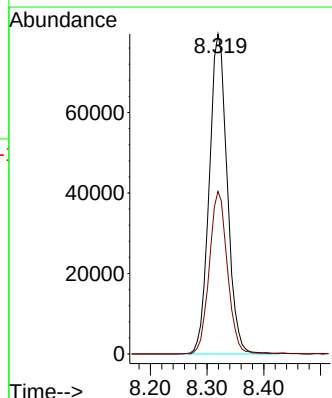
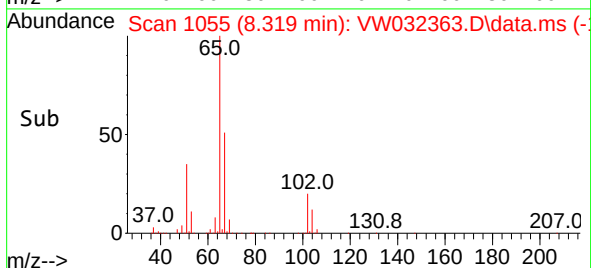
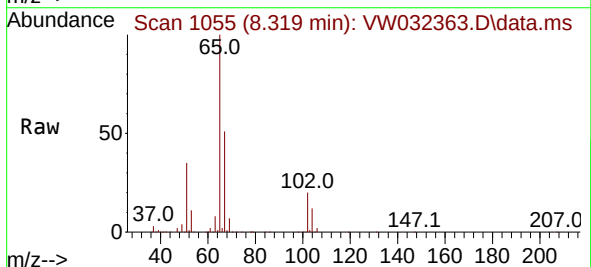


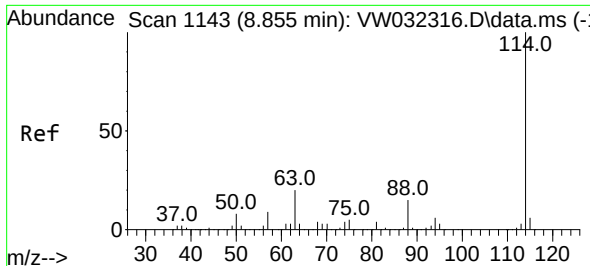
Tgt Ion: 56 Resp: 5018
Ion Ratio Lower Upper
56 100
69 183.4 27.7 41.5#
84 152.9 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 62.472 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032363.D
Acq: 06 Oct 2025 16:39

Tgt Ion: 65 Resp: 174735
Ion Ratio Lower Upper
65 100
67 51.2 0.0 99.6

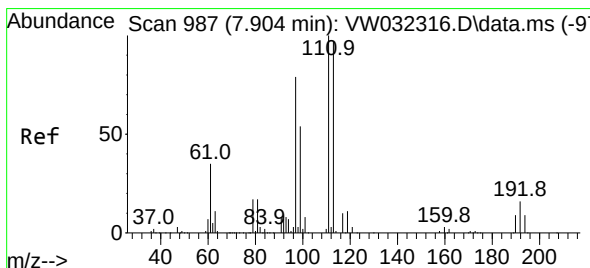
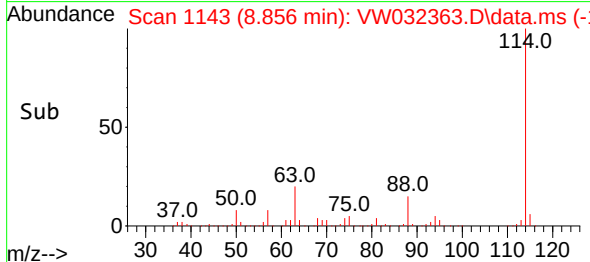
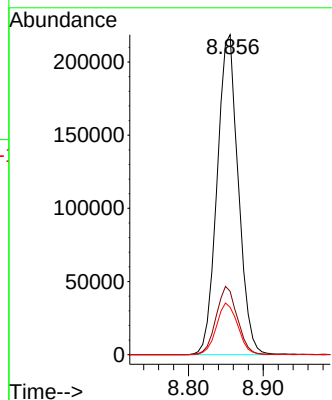
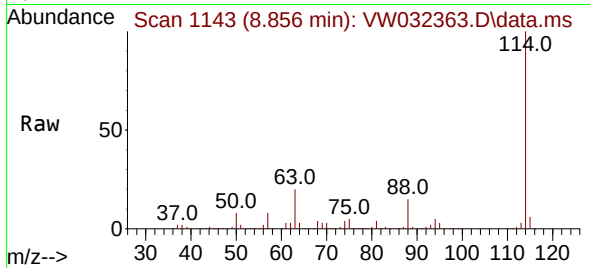




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.856 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW032363.D
 Acq: 06 Oct 2025 16:39

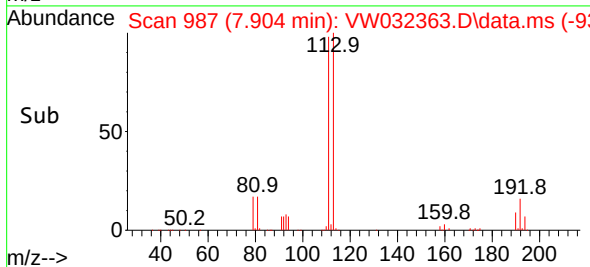
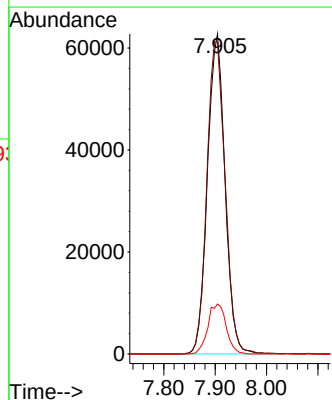
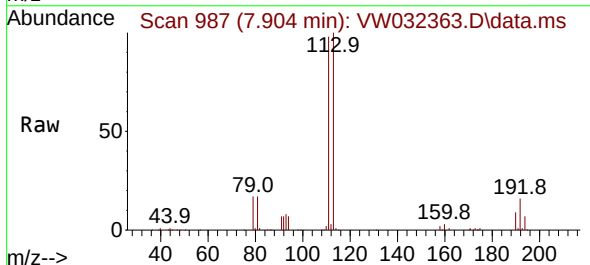
Instrument :
 MSVOA_W
 ClientSampleId :

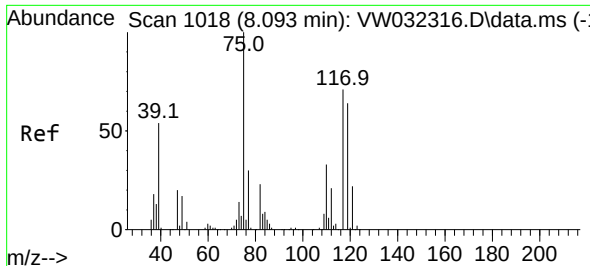
Tgt Ion:114 Resp: 430557
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.4
 88 14.8 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 53.457 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW032363.D
 Acq: 06 Oct 2025 16:39

Tgt Ion:113 Resp: 149056
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.9 125.9
 192 16.3 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.624 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

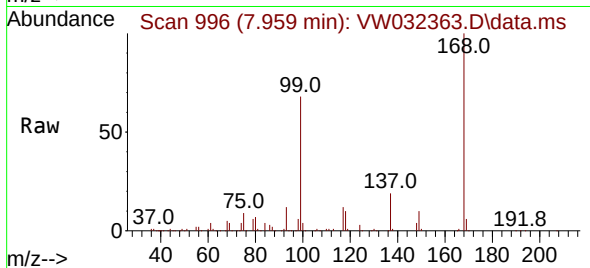
Lab File: VW032363.D

Acq: 06 Oct 2025 16:39

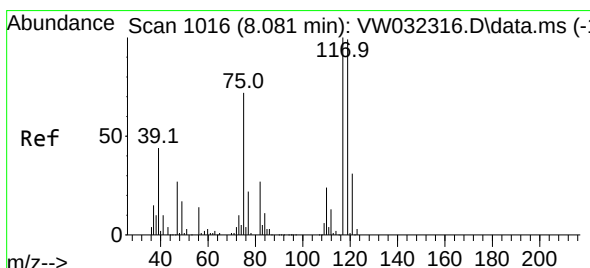
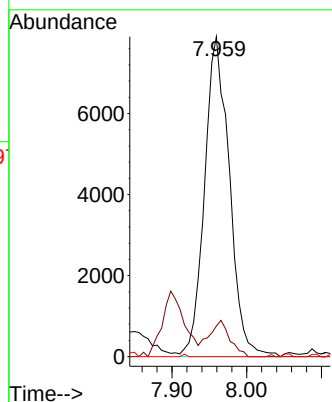
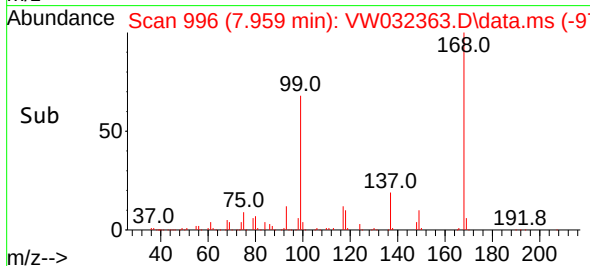
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	75	Resp:	18195
Ion Ratio	Lower	Upper	
75	100		
110	9.6	17.5	52.5#
77	0.0	24.1	36.1#



#38

Carbon Tetrachloride

Concen: 5.864 ug/l

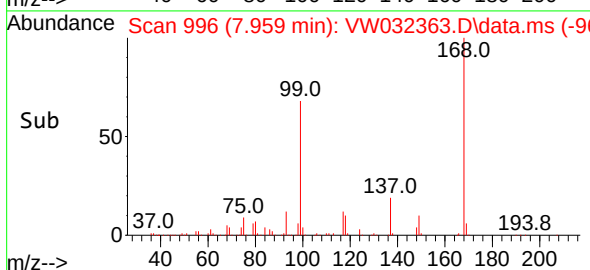
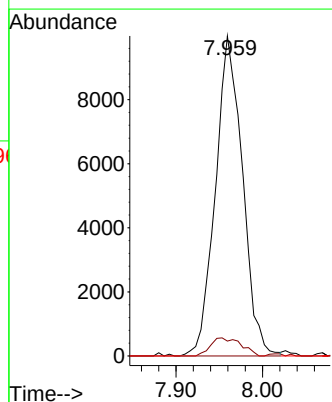
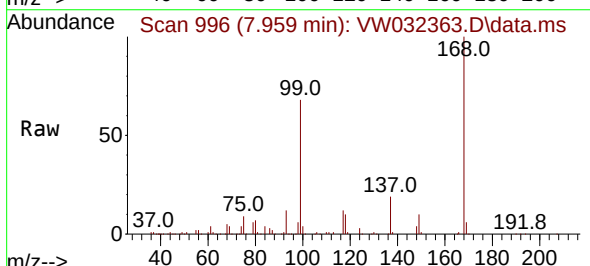
RT: 7.959 min Scan# 996

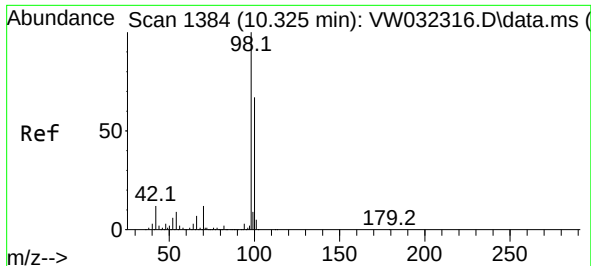
Delta R.T. -0.128 min

Lab File: VW032363.D

Acq: 06 Oct 2025 16:39

Tgt Ion:	117	Resp:	21714
Ion Ratio	Lower	Upper	
117	100		
119	4.6	74.2	111.2#
121	0.0	25.6	38.4#

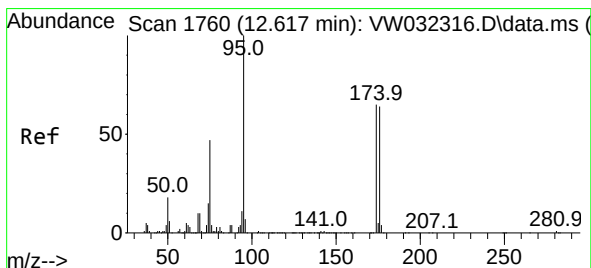
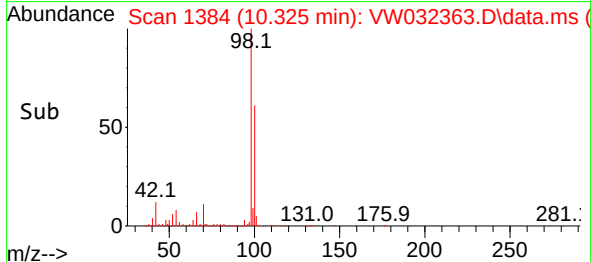
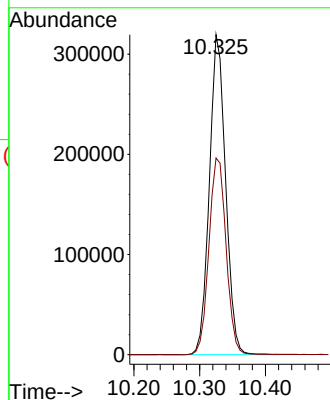
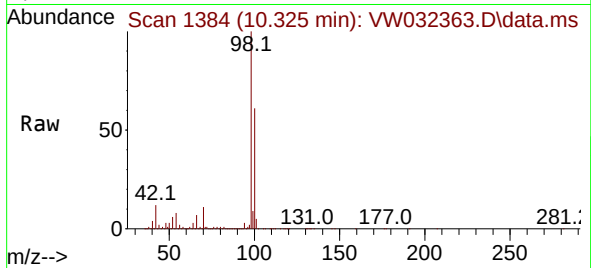




#50
Toluene-d8
Concen: 53.391 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032363.D
Acq: 06 Oct 2025 16:39

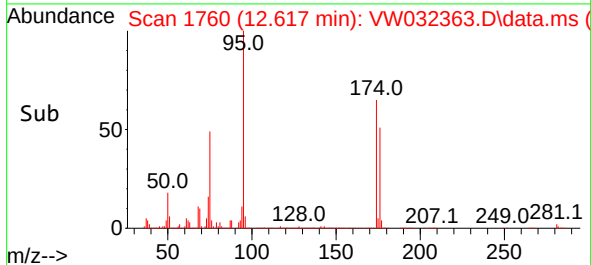
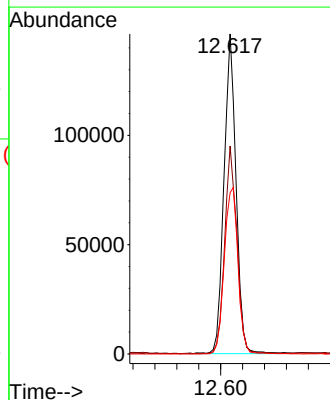
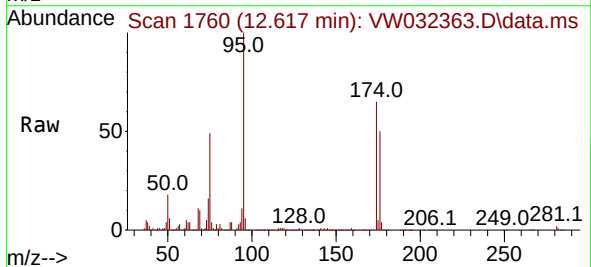
Instrument :
MSVOA_W
ClientSampleId :

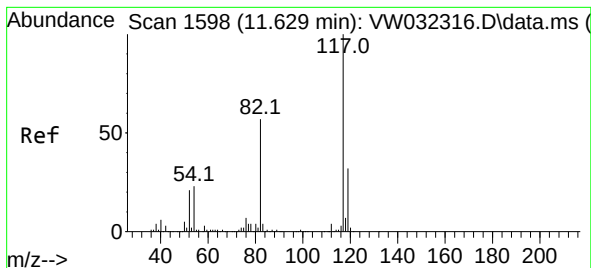
Tgt Ion: 98 Resp: 549452
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 57.576 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032363.D
Acq: 06 Oct 2025 16:39

Tgt Ion: 95 Resp: 223954
Ion Ratio Lower Upper
95 100
174 65.9 0.0 145.6
176 59.3 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.636 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032363.D

Acq: 06 Oct 2025 16:39

Instrument :

MSVOA_W

ClientSampleId :

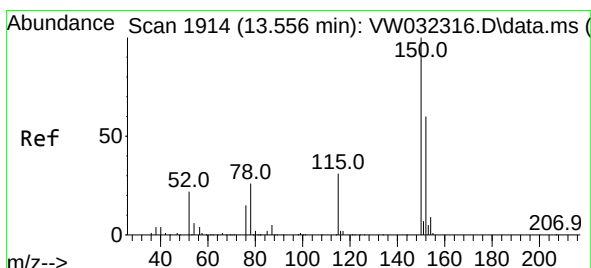
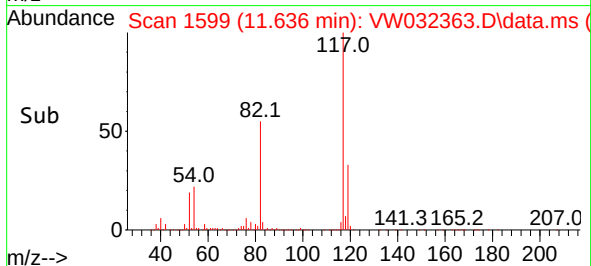
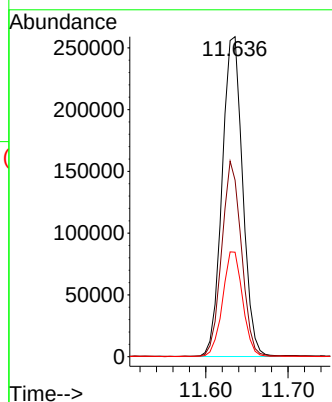
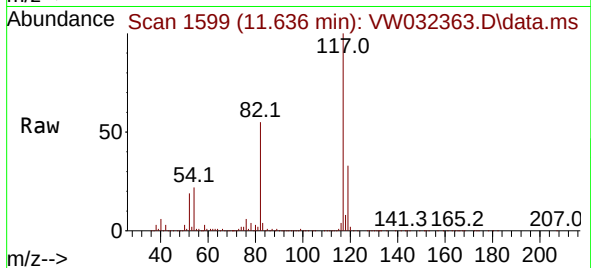
Tgt Ion:117 Resp: 449428

Ion Ratio Lower Upper

117 100

82 55.0 42.7 64.1

119 32.6 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: VW032363.D

Acq: 06 Oct 2025 16:39

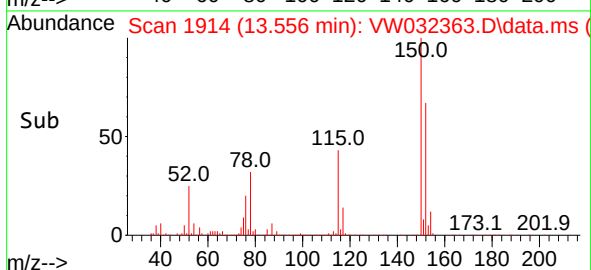
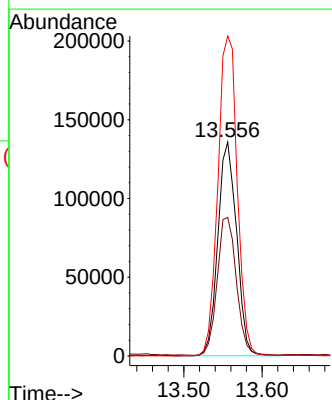
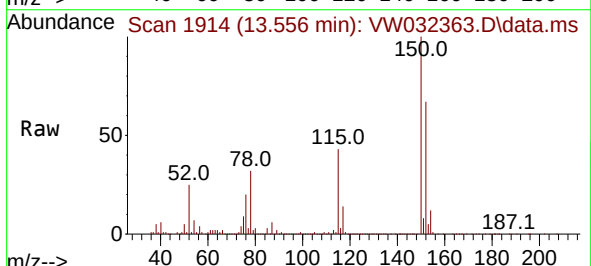
Tgt Ion:152 Resp: 225653

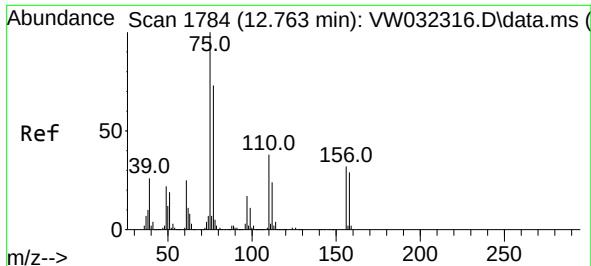
Ion Ratio Lower Upper

152 100

115 66.1 31.8 95.4

150 155.7 0.0 343.0

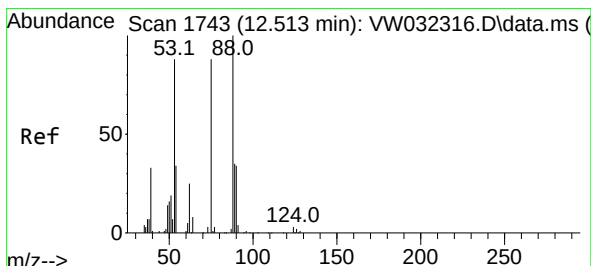
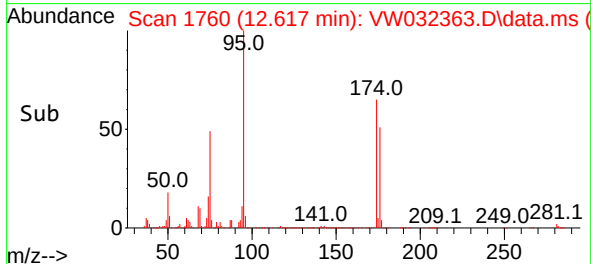
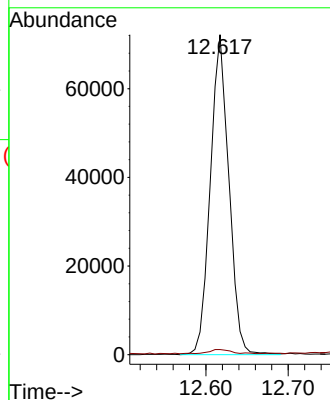
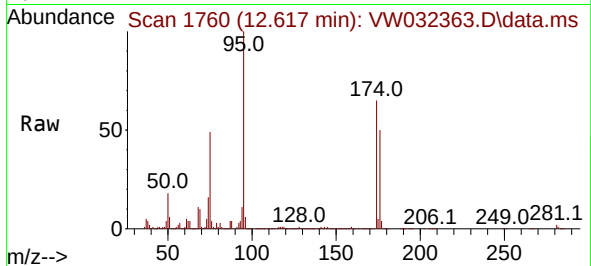




#76
1,2,3-Trichloropropane
Concen: 38.148 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032363.D
Acq: 06 Oct 2025 16:39

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 113280
Ion Ratio Lower Upper
75 100
77 1.6 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.640 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032363.D
Acq: 06 Oct 2025 16:39

Tgt Ion: 75 Resp: 113280
Ion Ratio Lower Upper
75 100
53 0.4 91.0 136.6#
89 0.0 39.4 59.2#

