

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032383.D
 Acq On : 20 Oct 2025 13:07
 Operator : SY/MD
 Sample : Q3375-01
 Misc : 5.83g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PR132-S02-074099-20251016

Quant Time: Oct 21 01:25:48 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)

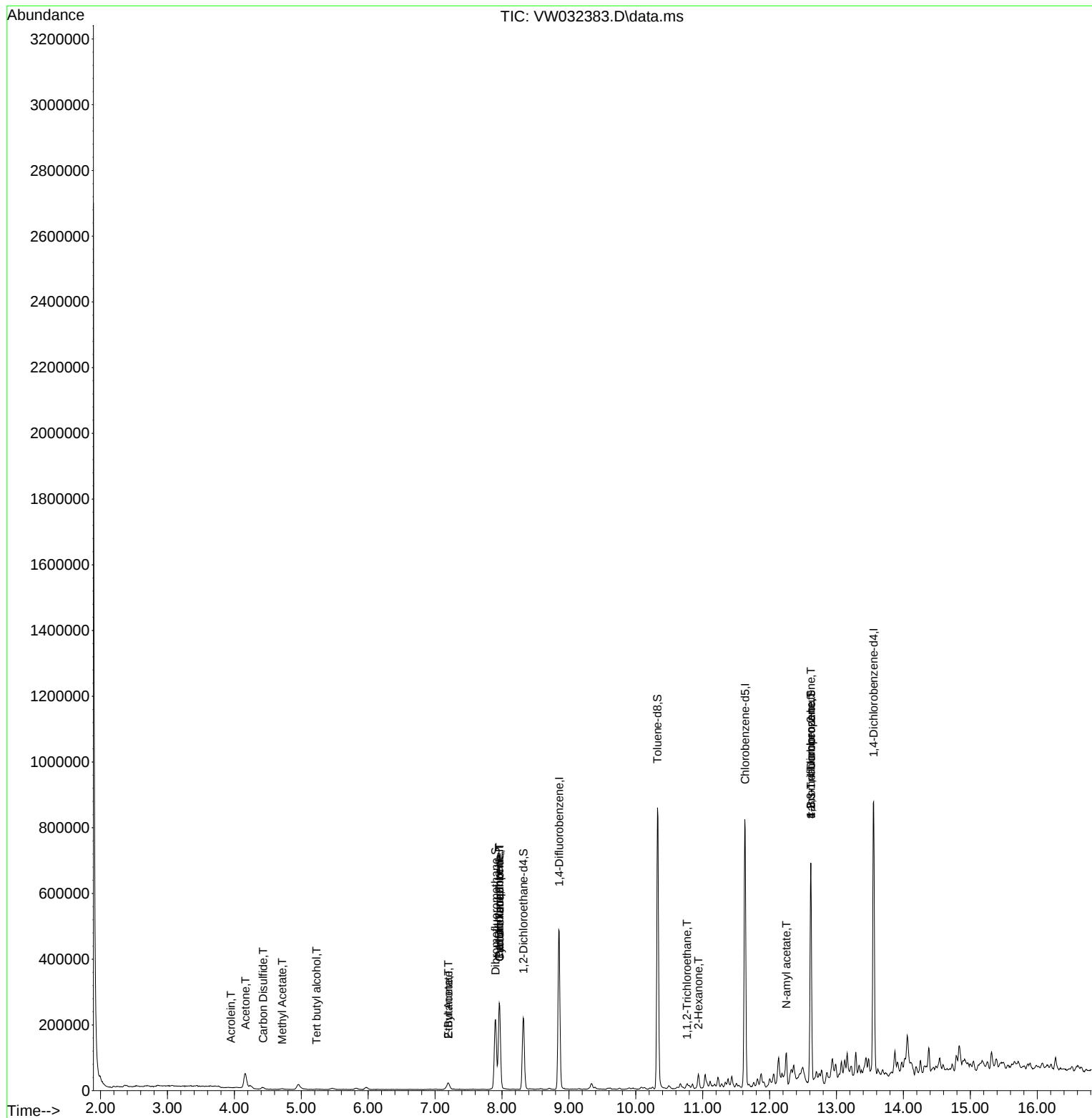
Internal Standards						
1) Pentafluorobenzene	7.959	168	182142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	406610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	455957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	230143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	180914	68.098	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 136.200%			
35) Dibromofluoromethane	7.904	113	156656	59.492	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 118.980%			
50) Toluene-d8	10.325	98	563922	58.024	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 116.040%			
62) 4-Bromofluorobenzene	12.617	95	218940	59.602	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 119.200%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.228	59	829	4.123	ug/l #	69
13) Acrolein	3.948	56	1331	4.078	ug/l #	14
16) Acetone	4.167	43	85638	116.418	ug/l	96
17) Carbon Disulfide	4.429	76	12340	2.203	ug/l #	94
18) Methyl Acetate	4.716	43	4903	2.327	ug/l	99
25) 2-Butanone	7.197	43	30117	30.061	ug/l	91
31) Cyclohexane	7.965	56	5216	1.395	ug/l #	31
36) 1,1-Dichloropropene	7.959	75	16686	4.490	ug/l #	50
37) Ethyl Acetate	7.197	43	30117	12.175	ug/l #	70
38) Carbon Tetrachloride	7.965	117	20167	5.767	ug/l #	17
55) 1,1,2-Trichloroethane	10.764	97	3236	1.354	ug/l #	30
59) 2-Hexanone	10.934	43	13831	7.716	ug/l #	34
74) N-amyl acetate	12.251	43	22174	4.414	ug/l #	61
76) 1,2,3-Trichloropropane	12.617	75	112362	37.101	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	112362	93.987	ug/l #	5

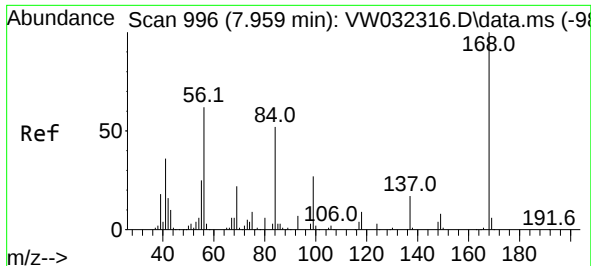
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
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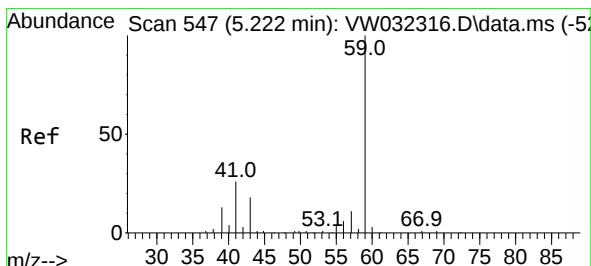
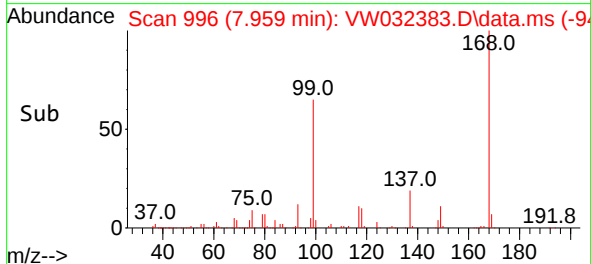
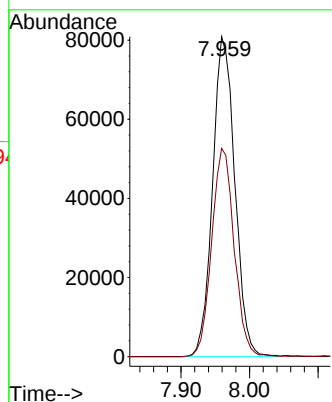
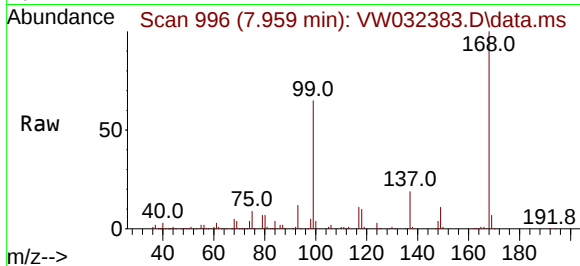




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

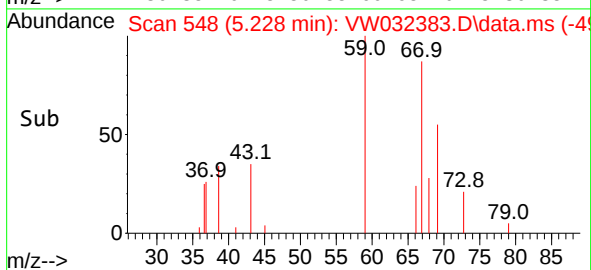
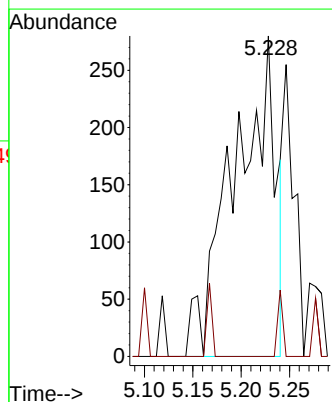
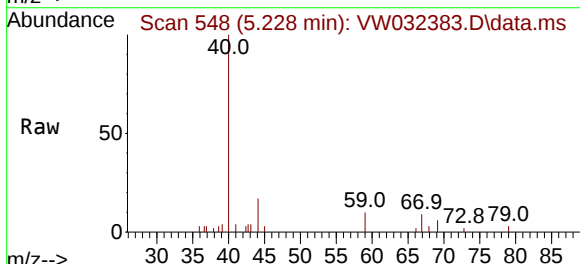
Instrument :
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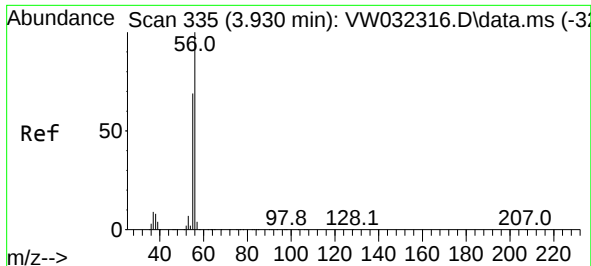
Tgt Ion:168 Resp: 182142
Ion Ratio Lower Upper
168 100
99 65.1 49.3 73.9



#11
Tert butyl alcohol
Concen: 4.123 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

Tgt Ion: 59 Resp: 829
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

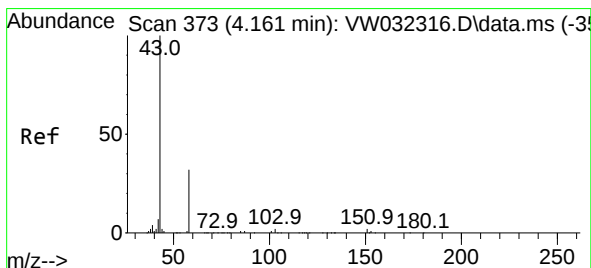
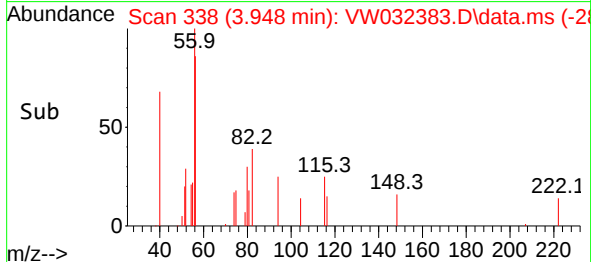
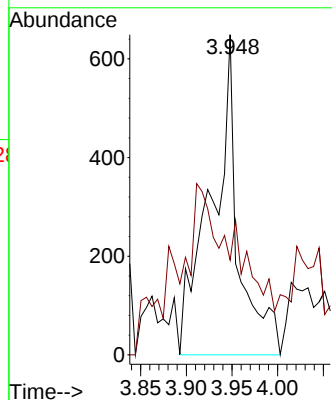
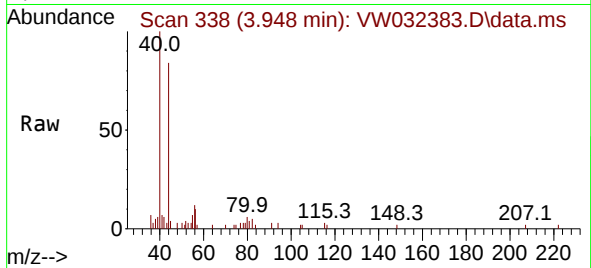




#13
Acrolein
Concen: 4.078 ug/l
RT: 3.948 min Scan# 31
Delta R.T. 0.018 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

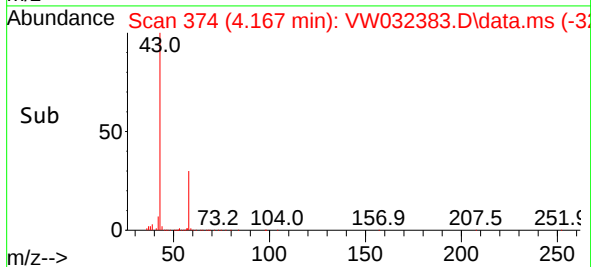
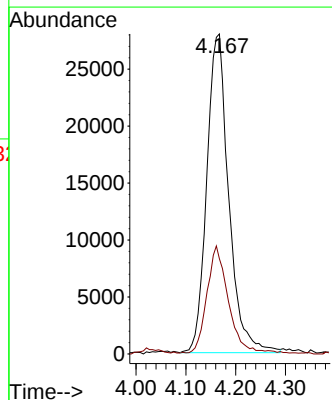
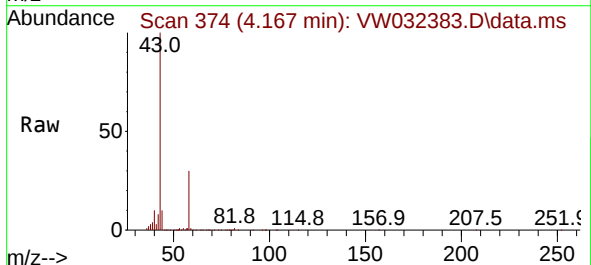
Instrument :
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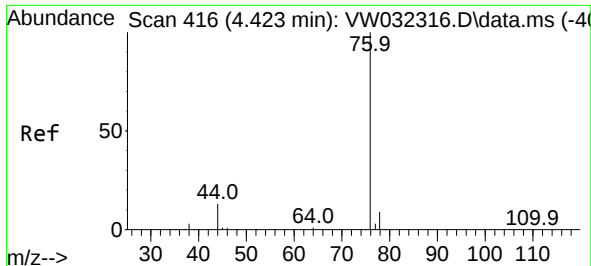
Tgt Ion: 56 Resp: 1331
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 116.418 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

Tgt Ion: 43 Resp: 85638
Ion Ratio Lower Upper
43 100
58 29.6 25.3 37.9

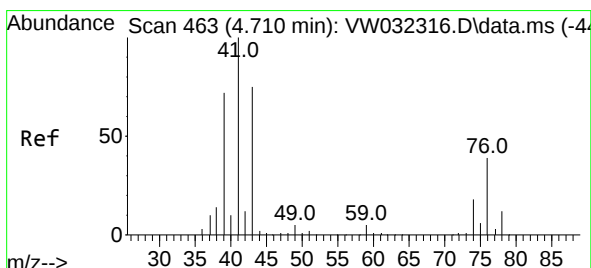
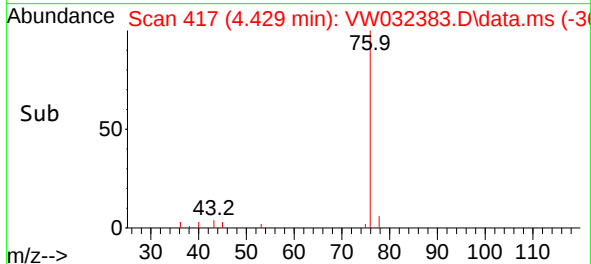
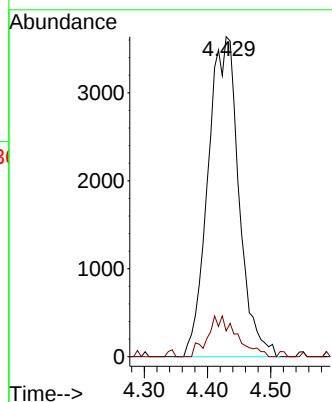
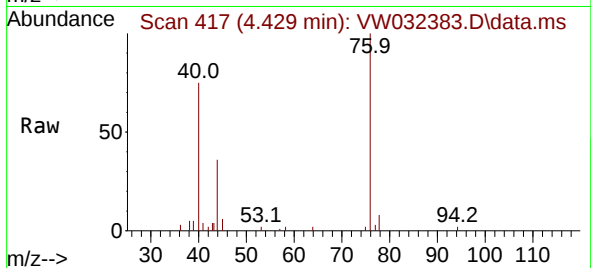




#17
Carbon Disulfide
Concen: 2.203 ug/l
RT: 4.429 min Scan# 416
Delta R.T. 0.006 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

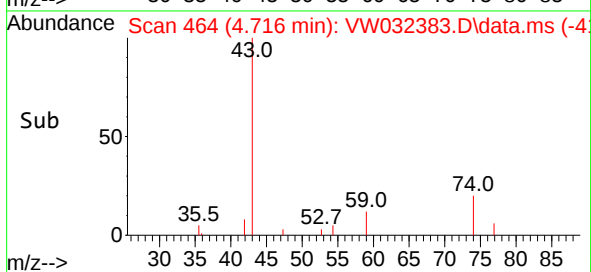
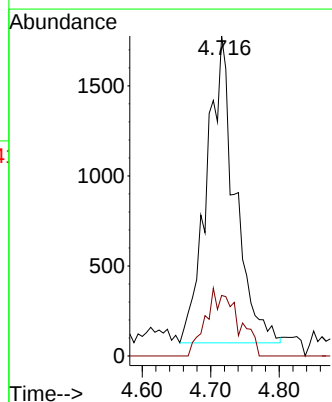
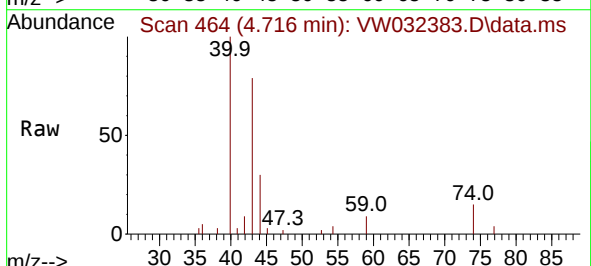
Instrument : MSVOA_W
ClientSampleId : PR132-S02-074099-20251016

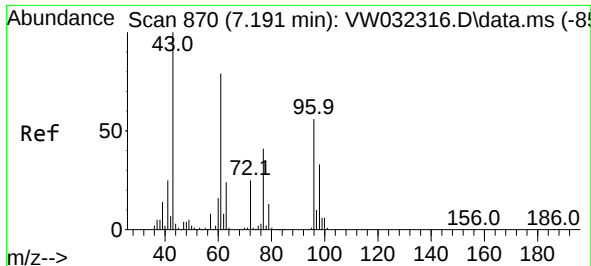
Tgt Ion: 76 Resp: 12340
Ion Ratio Lower Upper
76 100
78 6.5 7.0 10.6#



#18
Methyl Acetate
Concen: 2.327 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

Tgt Ion: 43 Resp: 4903
Ion Ratio Lower Upper
43 100
74 24.7 20.2 30.4

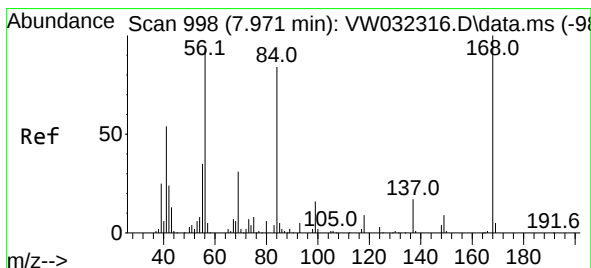
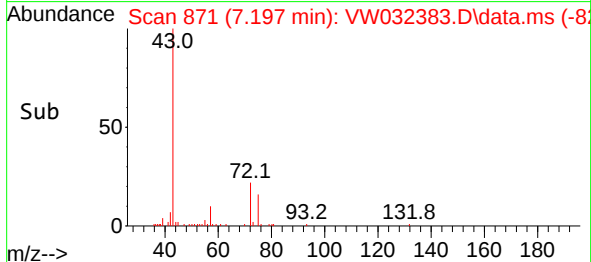
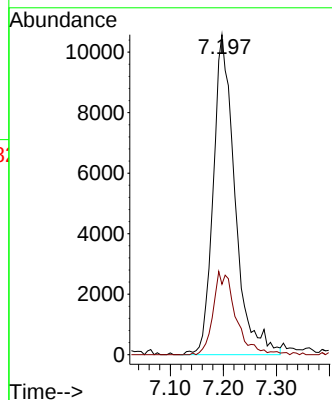
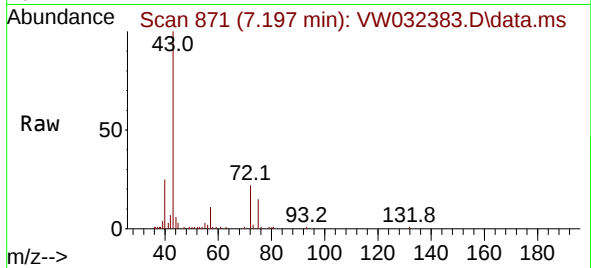




#25
2-Butanone
Concen: 30.061 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

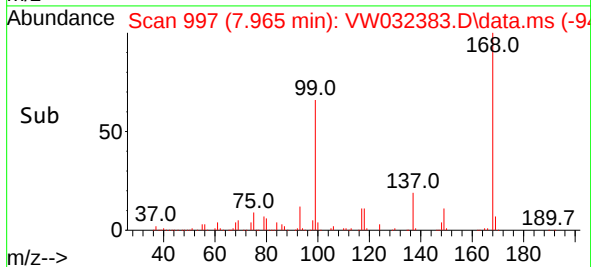
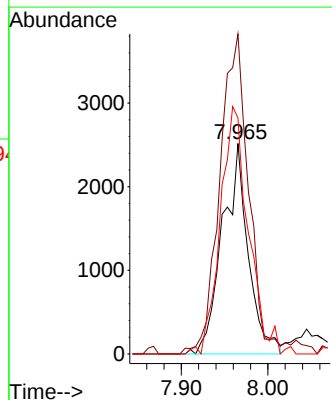
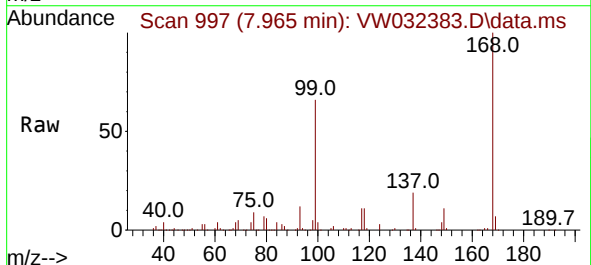
Instrument :
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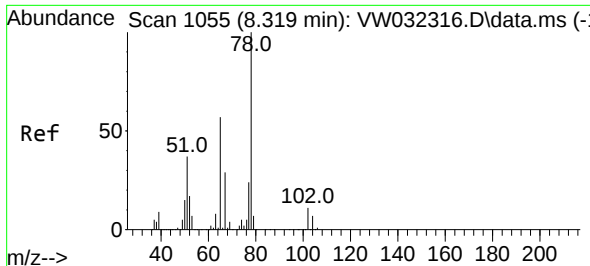
Tgt Ion: 43 Resp: 30117
Ion Ratio Lower Upper
43 100
72 22.0 21.4 32.2



#31
Cyclohexane
Concen: 1.395 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

Tgt Ion: 56 Resp: 5216
Ion Ratio Lower Upper
56 100
69 152.0 27.7 41.5#
84 112.1 74.6 112.0#

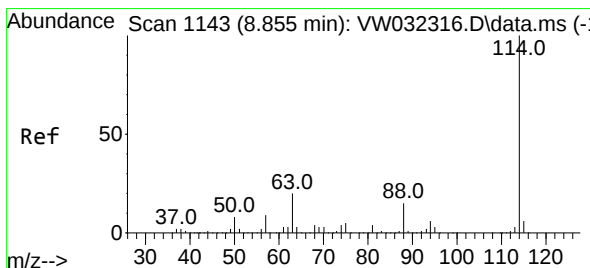
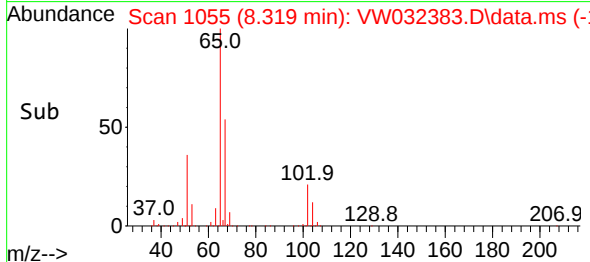
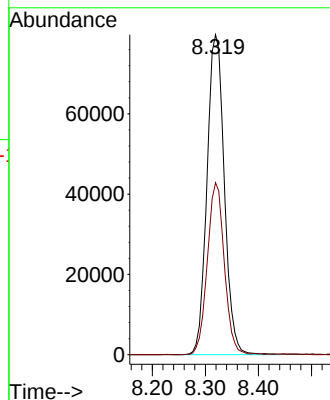
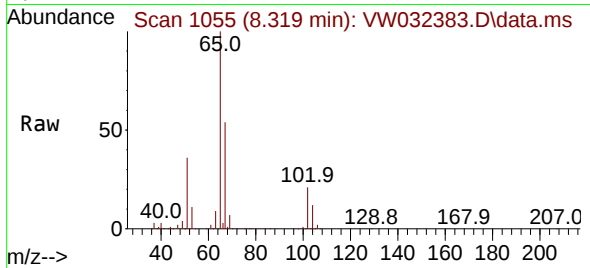




#33
 1,2-Dichloroethane-d4
 Concen: 68.098 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032383.D
 Acq: 20 Oct 2025 13:07

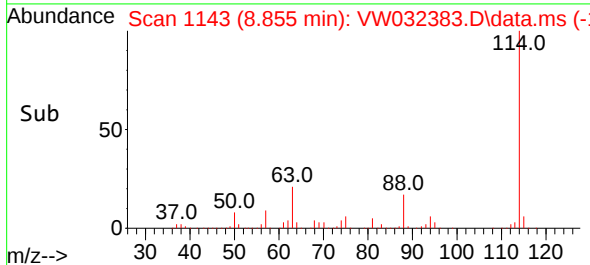
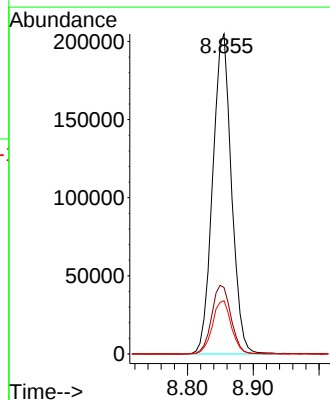
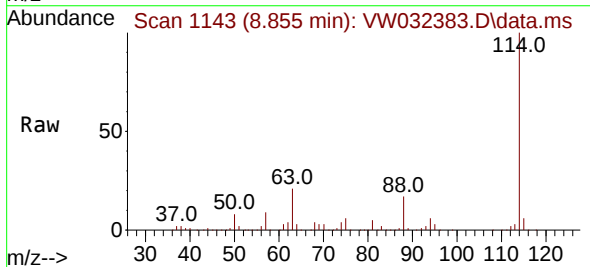
Instrument : MSVOA_W
 ClientSampleId : PR132-S02-074099-20251016

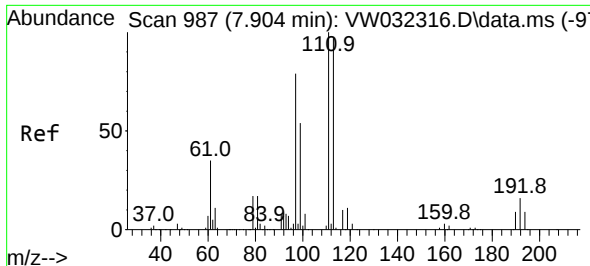
Tgt Ion: 65 Resp: 180914
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032383.D
 Acq: 20 Oct 2025 13:07

Tgt Ion: 114 Resp: 406610
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.4
 88 16.7 0.0 32.0

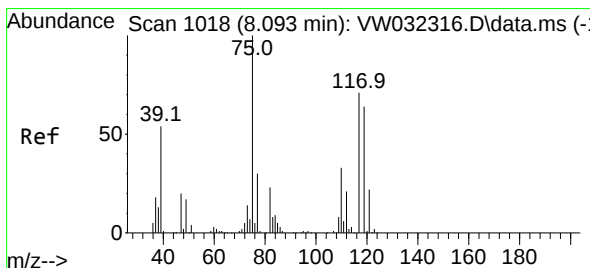
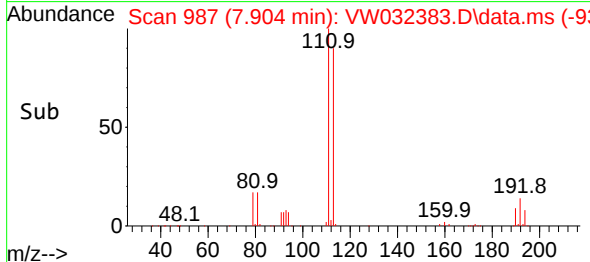
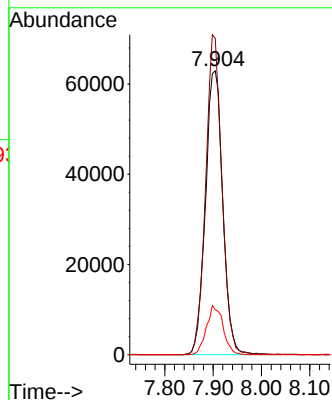
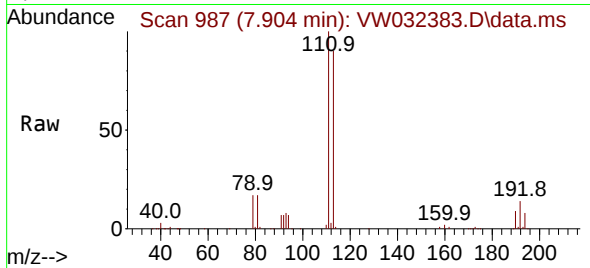




#35
Dibromofluoromethane
Concen: 59.492 ug/l
RT: 7.904 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

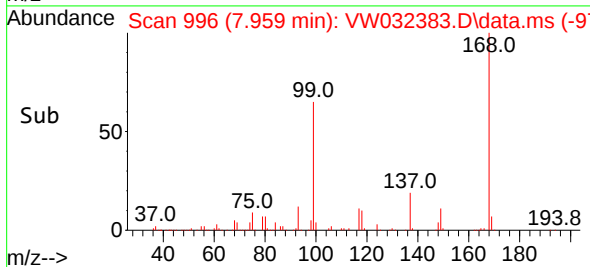
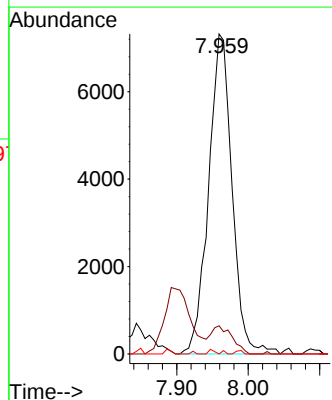
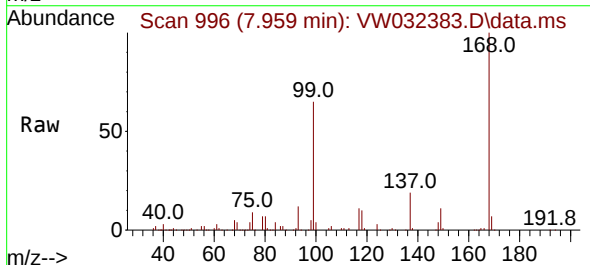
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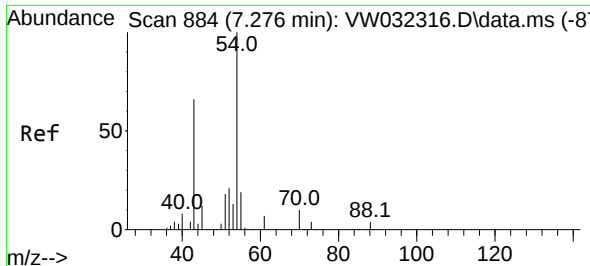
Tgt Ion:113 Resp: 156656
Ion Ratio Lower Upper
113 100
111 105.8 83.9 125.9
192 16.7 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.490 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

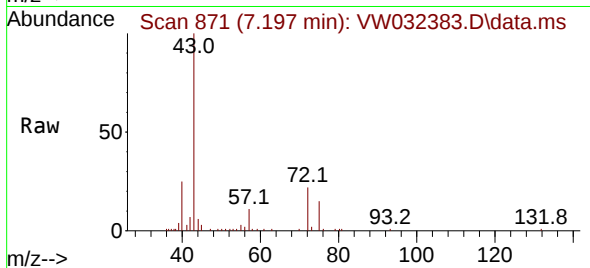
Tgt Ion: 75 Resp: 16686
Ion Ratio Lower Upper
75 100
110 7.9 17.5 52.5#
77 0.3 24.1 36.1#



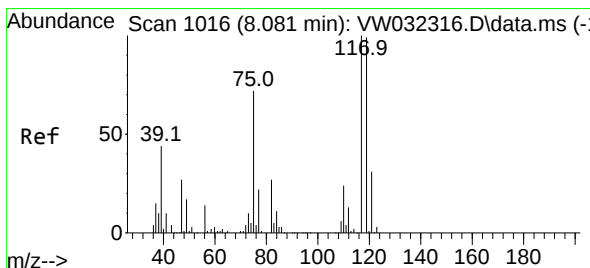
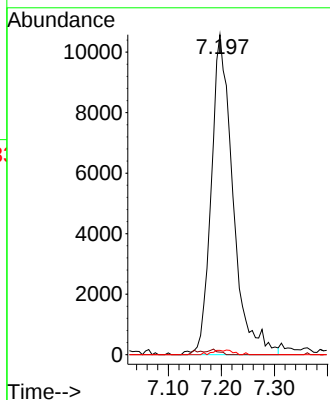
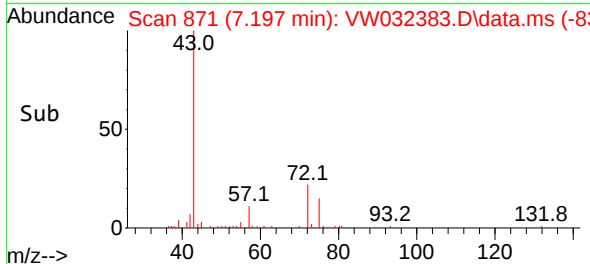


#37
Ethyl Acetate
Concen: 12.175 ug/l
RT: 7.197 min Scan# 81
Delta R.T. -0.079 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

Instrument :
MSVOA_W
ClientSampleId :
PR132-S02-074099-20251016

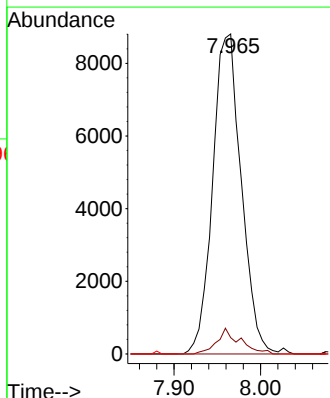
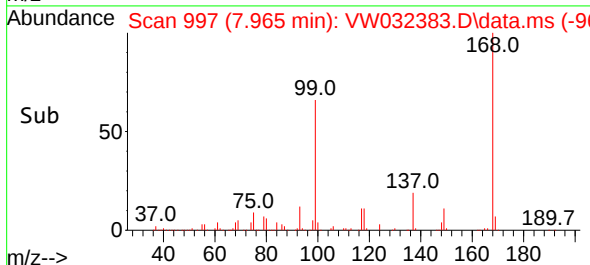
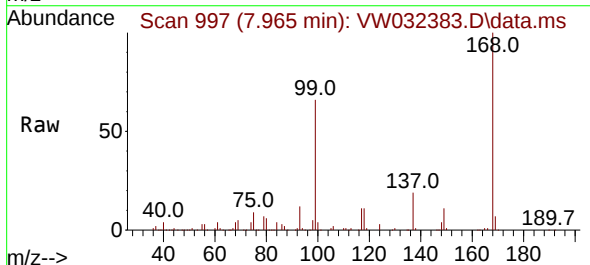


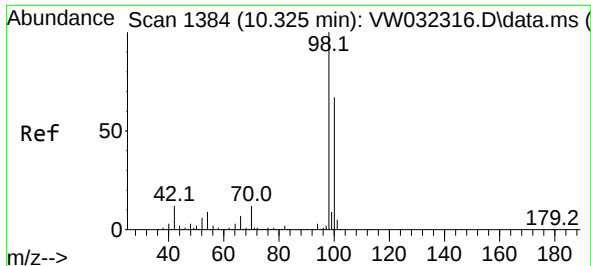
Tgt Ion: 43 Resp: 30117
Ion Ratio Lower Upper
43 100
61 0.8 11.3 16.9#
70 0.8 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 5.767 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

Tgt Ion: 117 Resp: 20167
Ion Ratio Lower Upper
117 100
119 5.1 74.2 111.2#
121 0.0 25.6 38.4#

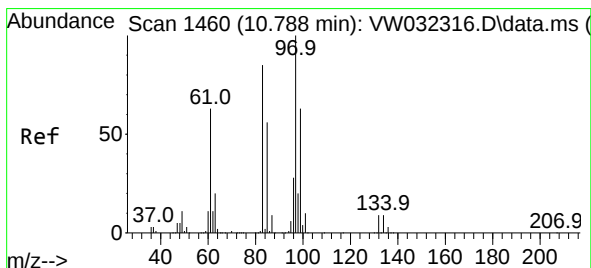
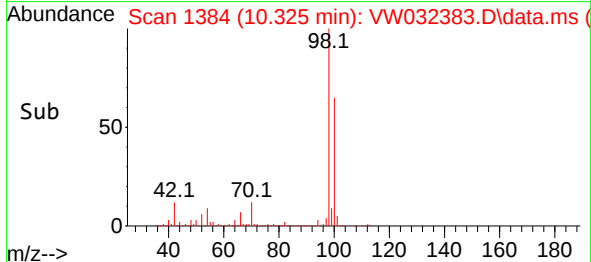
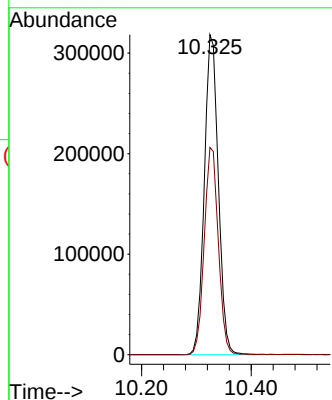
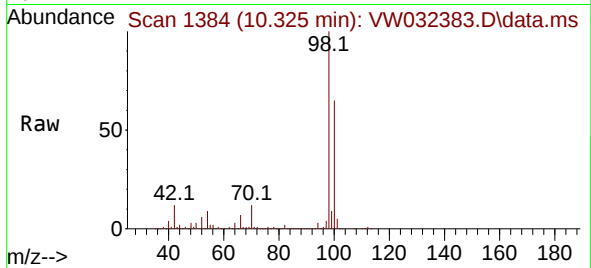




#50
Toluene-d8
Concen: 58.024 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

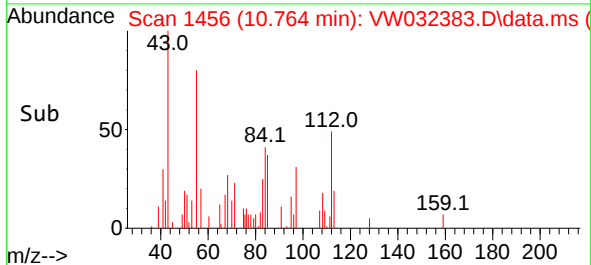
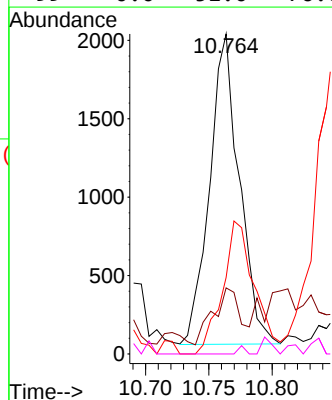
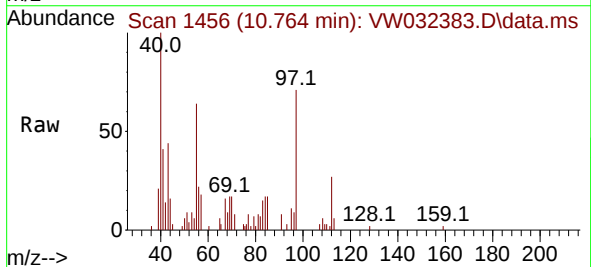
Instrument :
MSVOA_W
ClientSampleId :
PR132-S02-074099-20251016

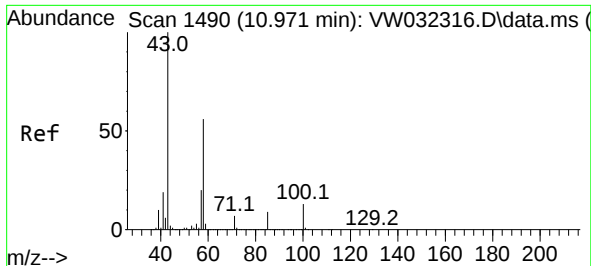
Tgt Ion: 98 Resp: 563922
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.2



#55
1,1,2-Trichloroethane
Concen: 1.354 ug/l
RT: 10.764 min Scan# 1456
Delta R.T. -0.024 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

Tgt Ion: 97 Resp: 3236
Ion Ratio Lower Upper
97 100
83 15.4 71.0 106.6#
85 24.7 42.8 64.2#
99 0.0 51.0 76.6#

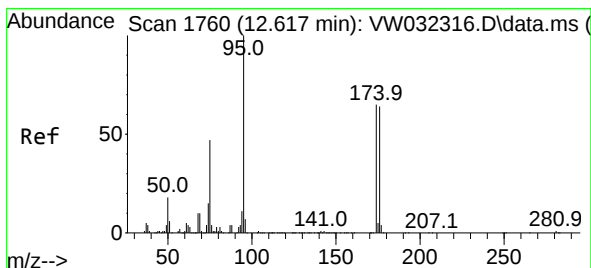
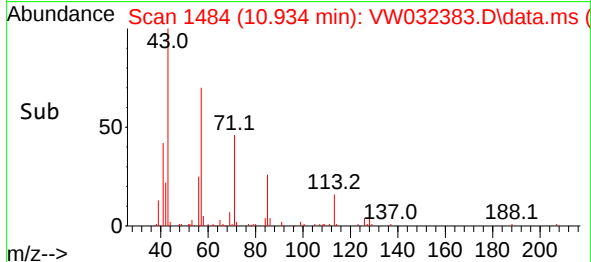
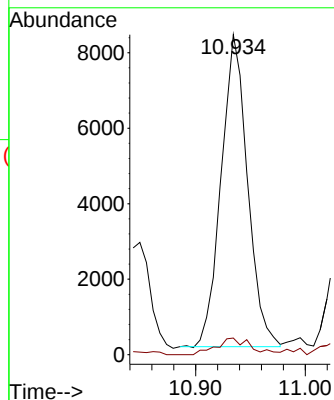
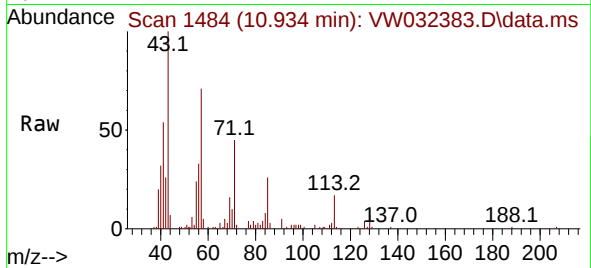




#59
2-Hexanone
Concen: 7.716 ug/l
RT: 10.934 min Scan# 1490
Delta R.T. -0.037 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

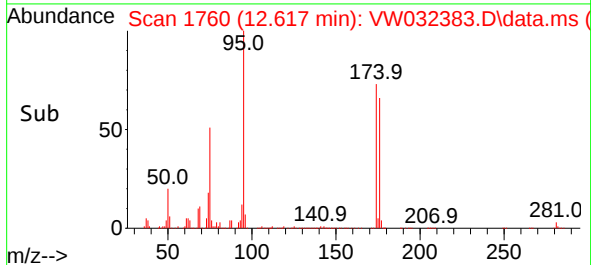
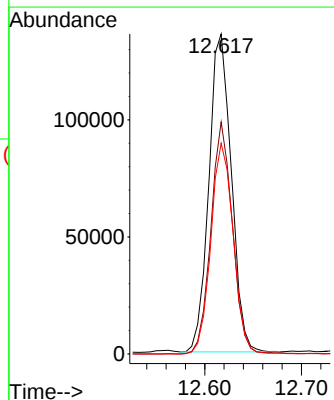
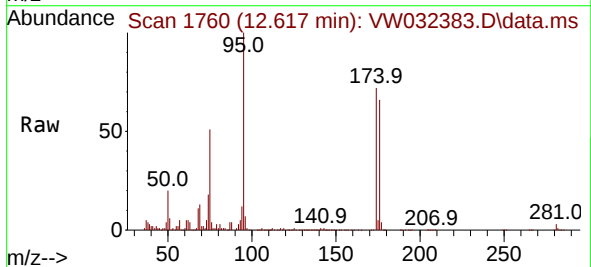
Instrument :
MSVOA_W
ClientSampleId :
PR132-S02-074099-20251016

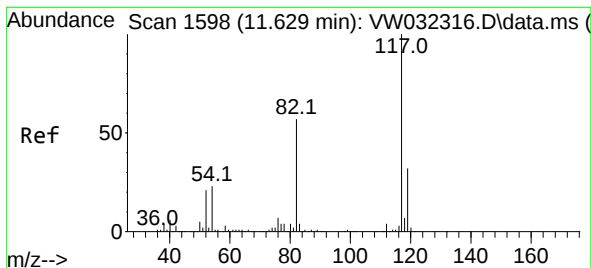
Tgt Ion: 43 Resp: 13831
Ion Ratio Lower Upper
43 100
58 7.0 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 59.602 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

Tgt Ion: 95 Resp: 218940
Ion Ratio Lower Upper
95 100
174 70.1 0.0 145.6
176 66.0 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: VW032383.D

Acq: 20 Oct 2025 13:07

Instrument :

MSVOA_W

ClientSampleId :

PR132-S02-074099-20251016

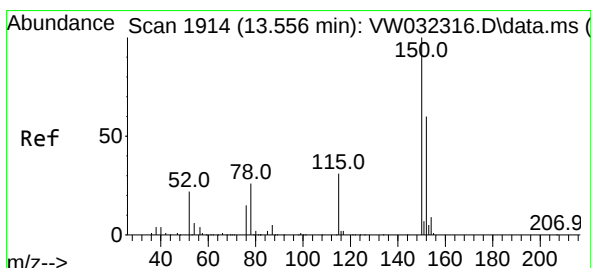
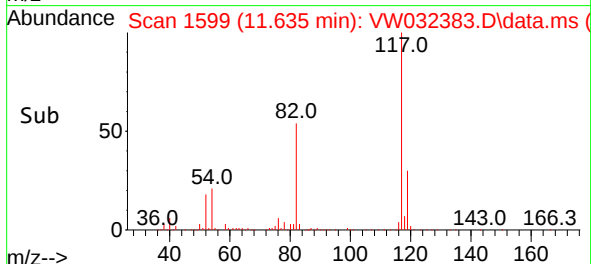
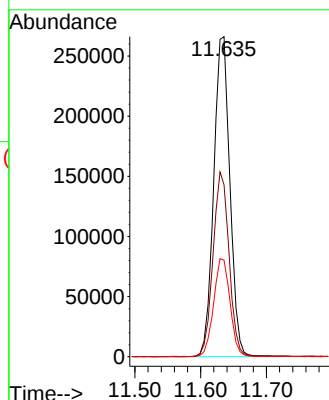
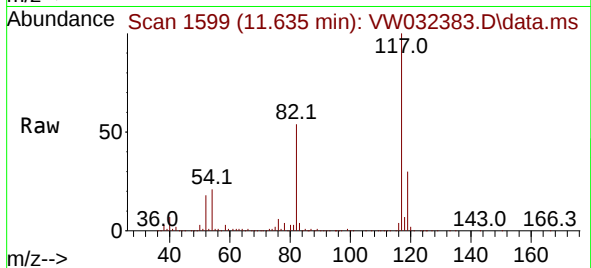
Tgt Ion:117 Resp: 455957

Ion Ratio Lower Upper

117 100

82 53.6 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: VW032383.D

Acq: 20 Oct 2025 13:07

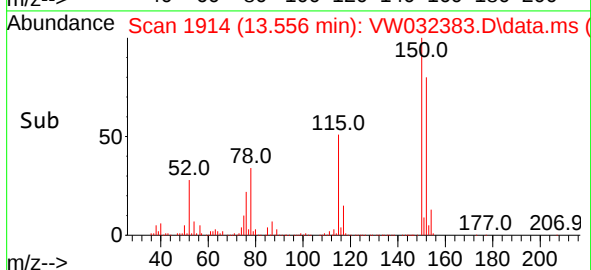
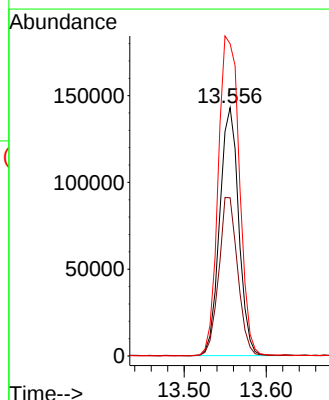
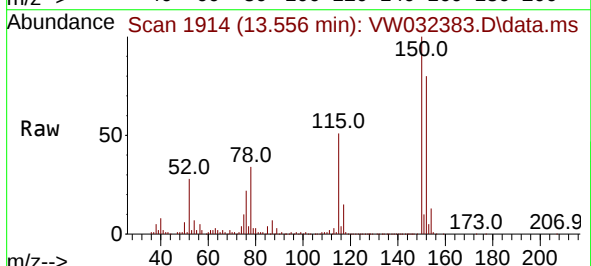
Tgt Ion:152 Resp: 230143

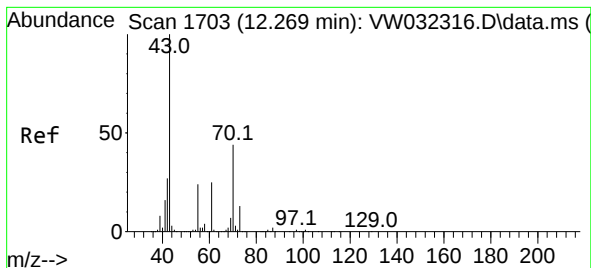
Ion Ratio Lower Upper

152 100

115 63.5 31.8 95.4

150 143.5 0.0 343.0

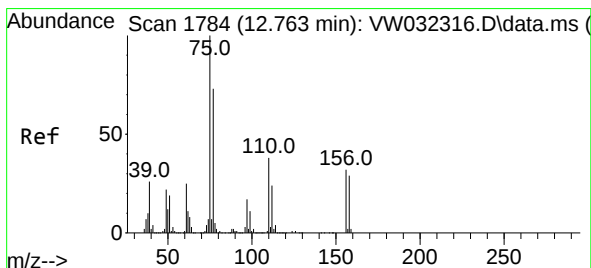
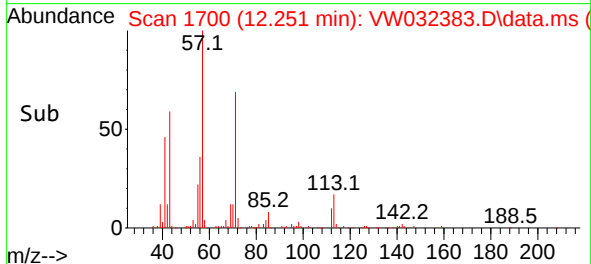
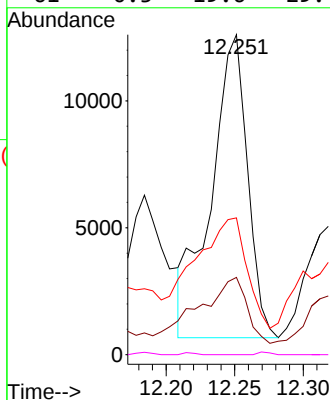
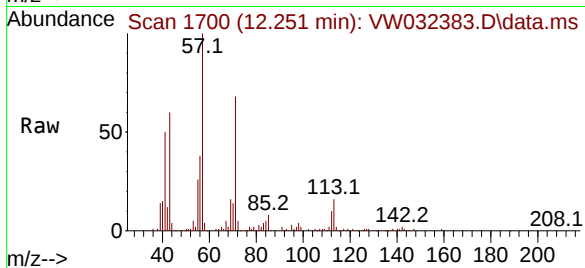




#74
N-amy1 acetate
Concen: 4.414 ug/l
RT: 12.251 min Scan# 1700
Delta R.T. -0.018 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

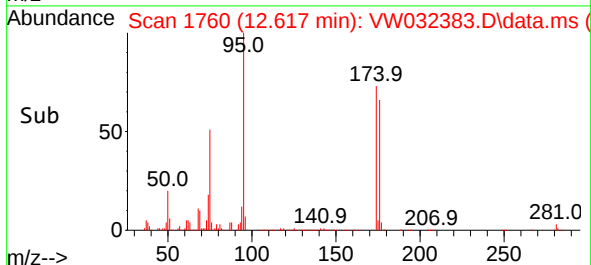
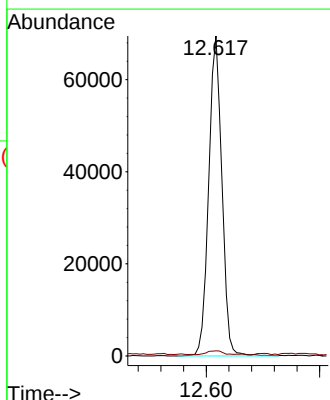
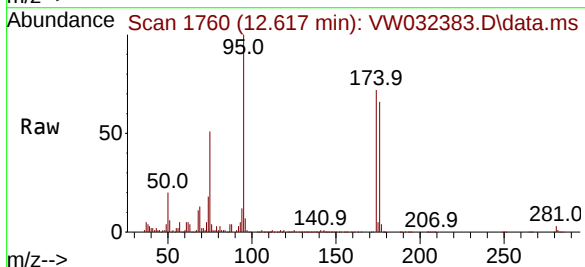
Instrument :
MSVOA_W
ClientSampleId :
PR132-S02-074099-20251016

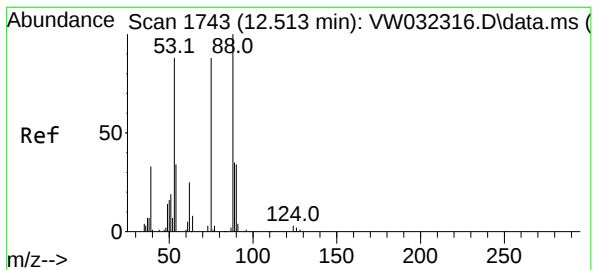
Tgt Ion: 43	Resp: 22174
Ion Ratio	Lower Upper
43 100	
70 28.7	35.3 52.9#
55 52.4	19.9 29.9#
61 0.3	19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 37.101 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032383.D
Acq: 20 Oct 2025 13:07

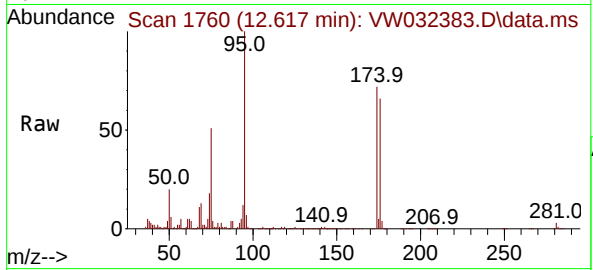
Tgt Ion: 75	Resp: 112362
Ion Ratio	Lower Upper
75 100	
77 1.5	141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.987 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032383.D
 Acq: 20 Oct 2025 13:07

Instrument :
 MSVOA_W
 ClientSampleId :
 PR132-S02-074099-20251016



Tgt Ion: 75 Resp: 112362
 Ion Ratio Lower Upper
 75 100
 53 0.7 91.0 136.6#
 89 0.0 39.4 59.2#

