

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
 Data File : VW032329.D
 Acq On : 02 Oct 2025 13:57
 Operator : SY/MD
 Sample : Q3266-01
 Misc : 14.74g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 02 21:37:57 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)

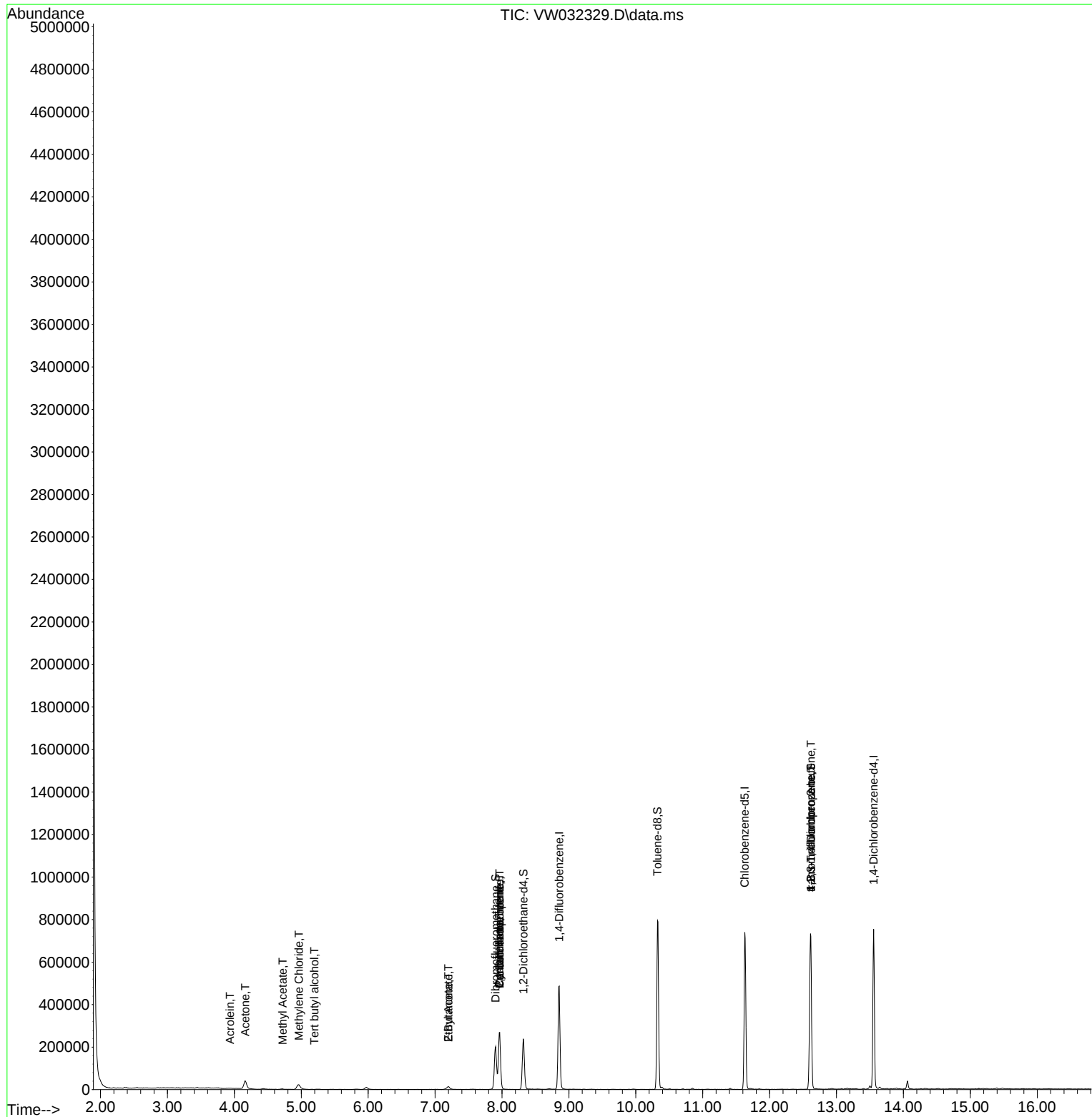
Internal Standards						
1) Pentafluorobenzene	7.965	168	180169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	409718	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	401656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	185918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	194570	74.041	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 148.080%			
35) Dibromofluoromethane	7.904	113	149792	56.453	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 112.900%			
50) Toluene-d8	10.324	98	535418	54.673	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 109.340%			
62) 4-Bromofluorobenzene	12.617	95	200173	54.080	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 108.160%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.197	59	725	3.645	ug/l #	76
13) Acrolein	3.935	56	987	3.057	ug/l	96
16) Acetone	4.161	43	68048	93.519	ug/l	96
18) Methyl Acetate	4.722	43	3362	1.613	ug/l #	50
20) Methylene Chloride	4.966	84	19304	2.987	ug/l	94
25) 2-Butanone	7.197	43	19208	19.382	ug/l	93
31) Cyclohexane	7.959	56	4845	1.310	ug/l #	35
36) 1,1-Dichloropropene	7.965	75	17910	4.783	ug/l #	50
37) Ethyl Acetate	7.197	43	19208	7.706	ug/l #	68
38) Carbon Tetrachloride	7.965	117	22007	6.245	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	103264	42.207	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	103264	106.923	ug/l #	5

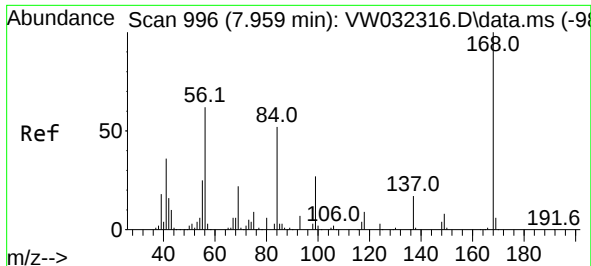
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 02 21:37:57 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

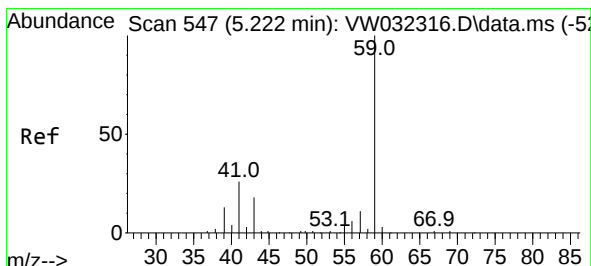
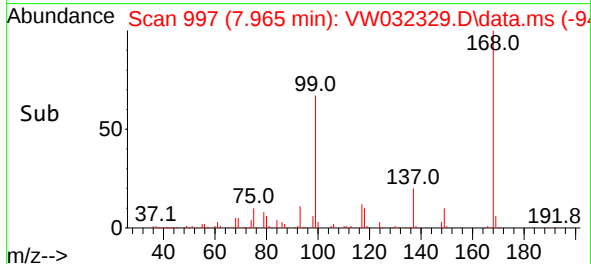
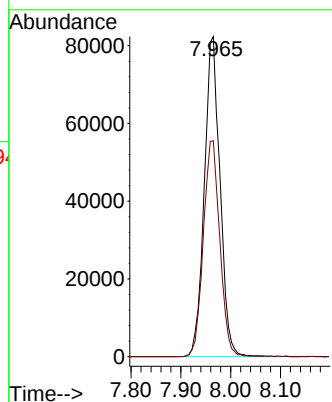
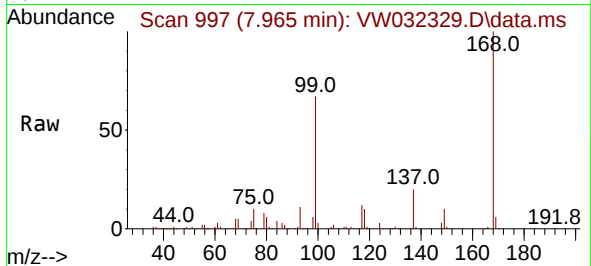




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

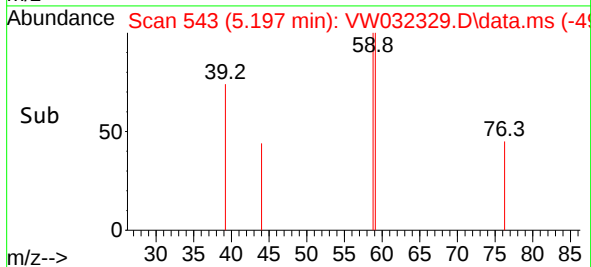
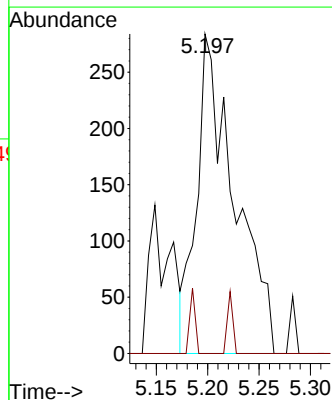
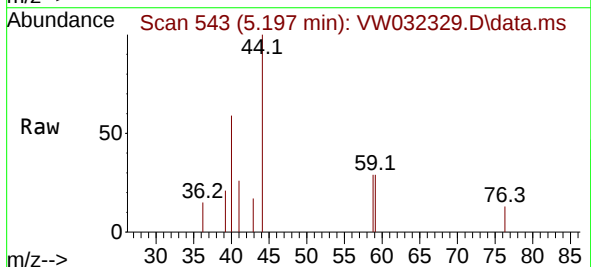
Instrument :
MSVOA_W
ClientSampleId :

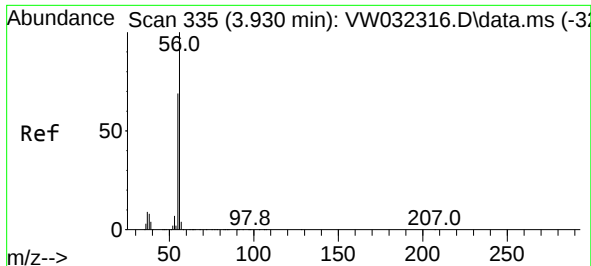
Tgt Ion:168 Resp: 180169
Ion Ratio Lower Upper
168 100
99 67.4 49.3 73.9



#11
Tert butyl alcohol
Concen: 3.645 ug/l
RT: 5.197 min Scan# 543
Delta R.T. -0.025 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

Tgt Ion: 59 Resp: 725
Ion Ratio Lower Upper
59 100
57 2.9 9.8 14.6#

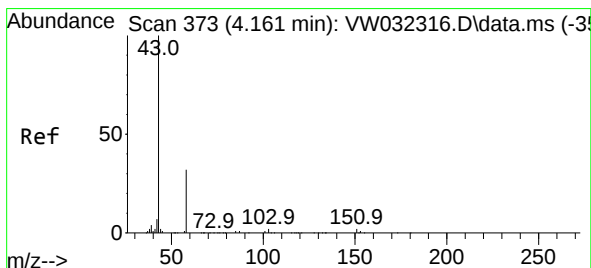
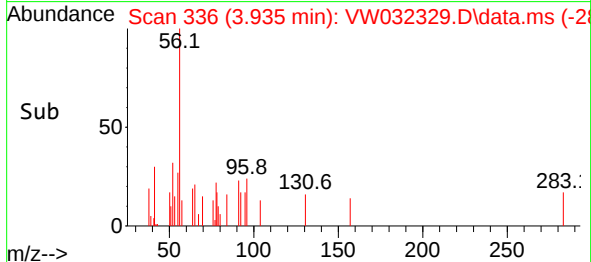
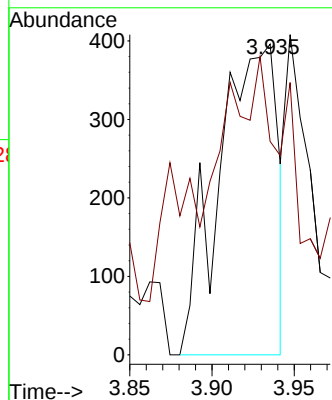
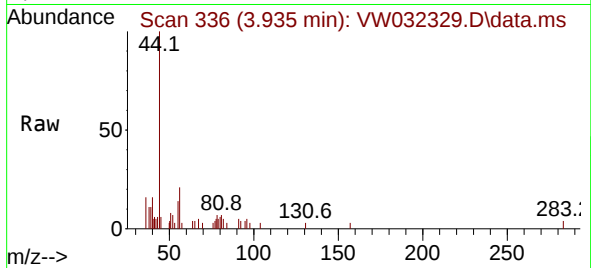




#13
Acrolein
Concen: 3.057 ug/l
RT: 3.935 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

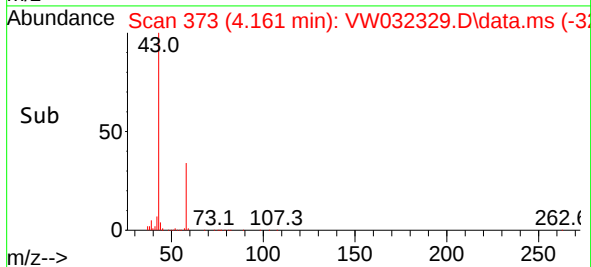
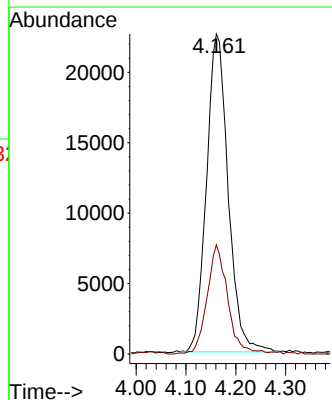
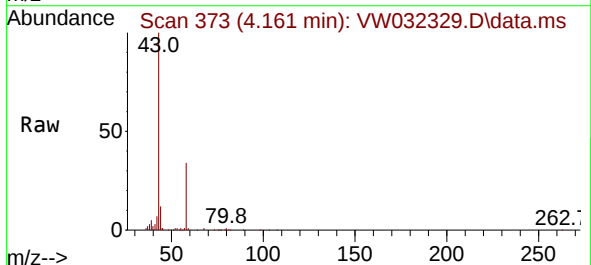
Instrument :
MSVOA_W
ClientSampleId :

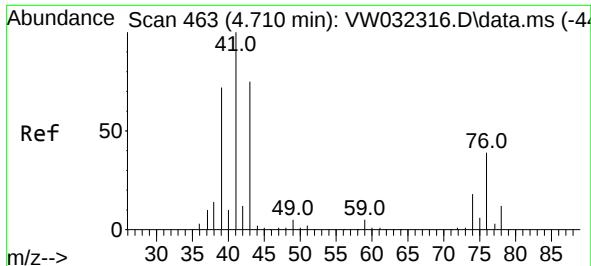
Tgt Ion: 56 Resp: 987
Ion Ratio Lower Upper
56 100
55 67.0 56.4 84.6



#16
Acetone
Concen: 93.519 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

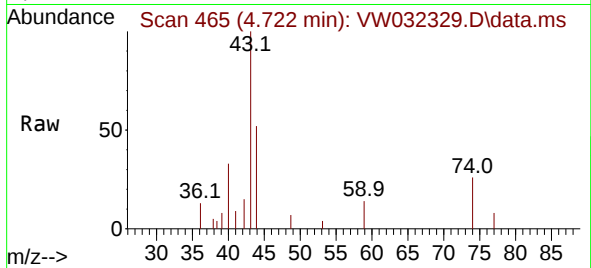
Tgt Ion: 43 Resp: 68048
Ion Ratio Lower Upper
43 100
58 34.0 25.3 37.9



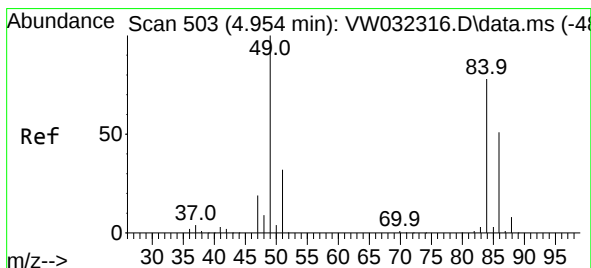
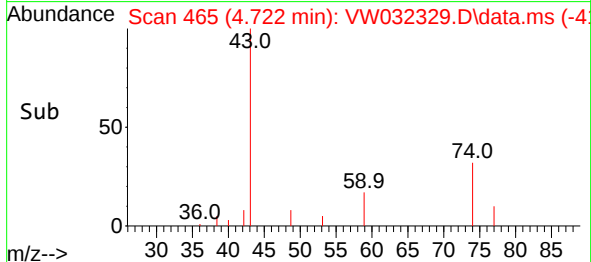
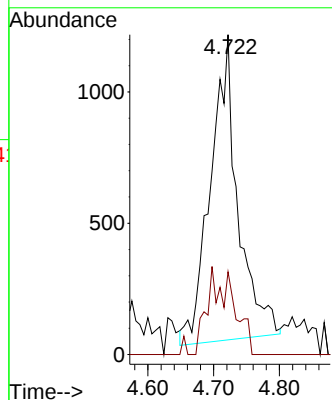


#18
Methyl Acetate
Concen: 1.613 ug/l
RT: 4.722 min Scan# 4
Delta R.T. 0.012 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

Instrument :
MSVOA_W
ClientSampleId :

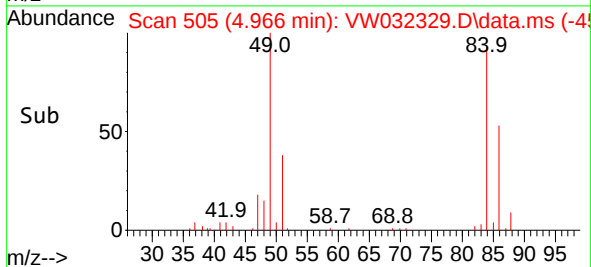
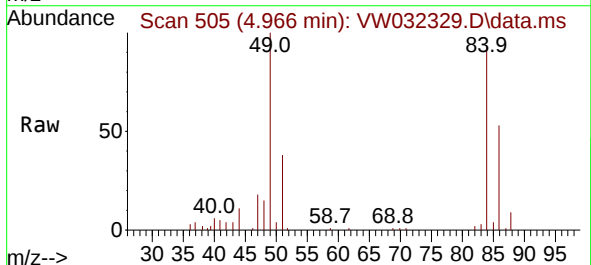
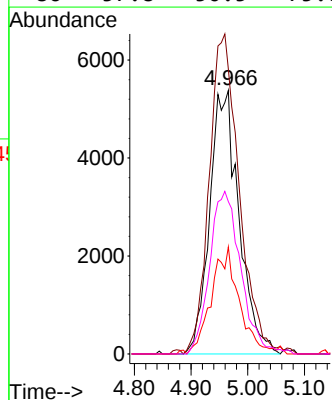


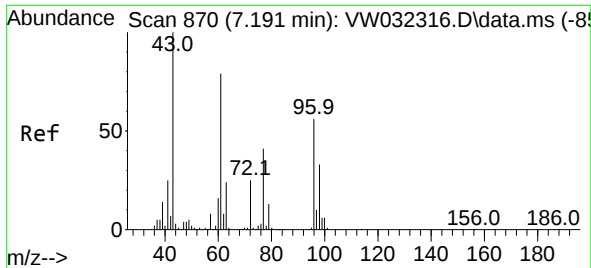
Tgt Ion: 43 Resp: 3362
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#20
Methylene Chloride
Concen: 2.987 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.006 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

Tgt Ion: 84 Resp: 19304
Ion Ratio Lower Upper
84 100
49 106.7 92.2 138.4
51 39.4 31.0 46.6
86 57.8 50.5 75.7

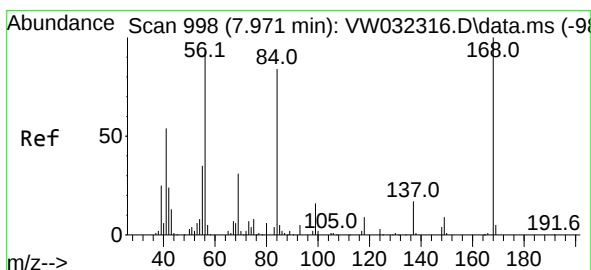
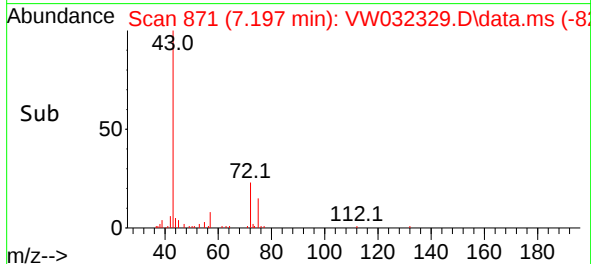
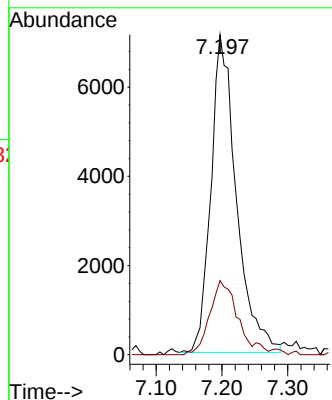
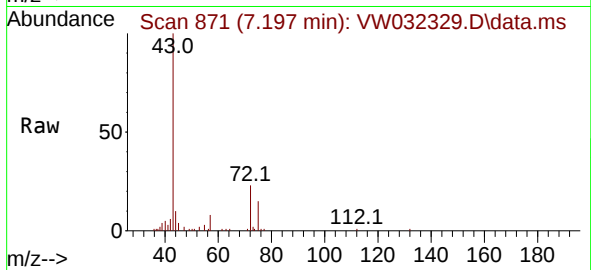




#25
2-Butanone
Concen: 19.382 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

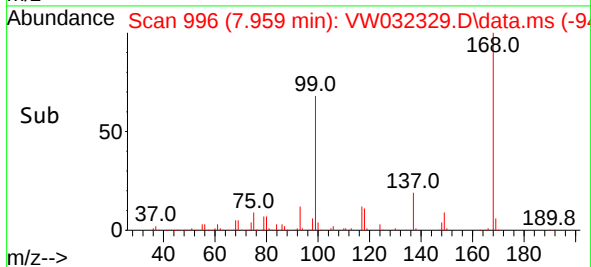
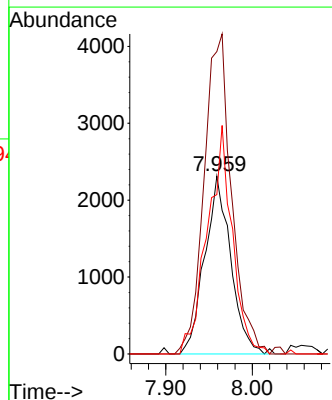
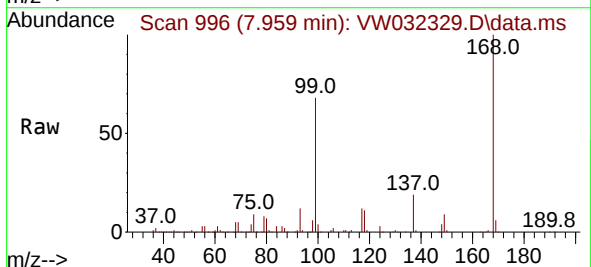
Instrument :
MSVOA_W
ClientSampleId :

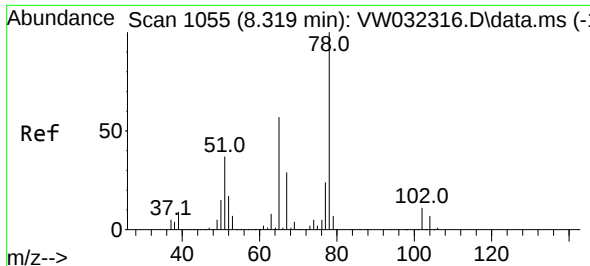
Tgt Ion: 43 Resp: 19208
Ion Ratio Lower Upper
43 100
72 23.3 21.4 32.2



#31
Cyclohexane
Concen: 1.310 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

Tgt Ion: 56 Resp: 4845
Ion Ratio Lower Upper
56 100
69 167.0 27.7 41.5#
84 89.7 74.6 112.0





#33

1,2-Dichloroethane-d4

Concen: 74.041 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032329.D

Acq: 02 Oct 2025 13:57

Instrument :

MSVOA_W

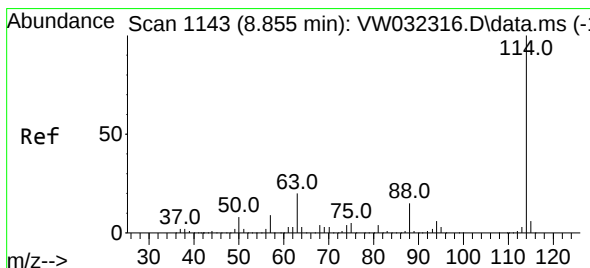
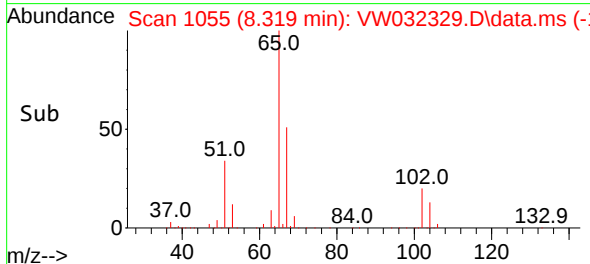
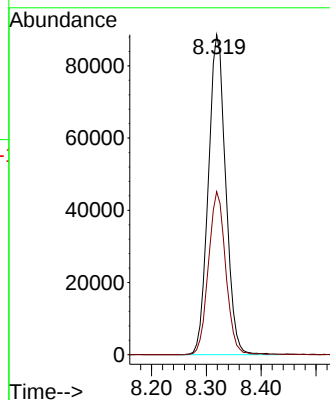
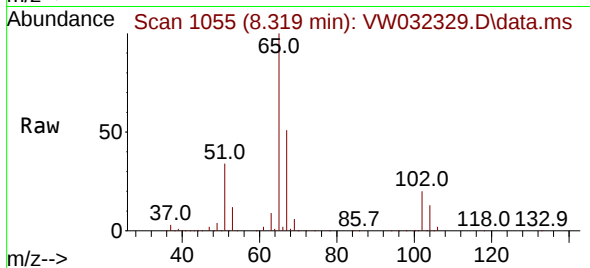
ClientSampleId :

Tgt Ion: 65 Resp: 194570

Ion Ratio Lower Upper

65 100

67 50.6 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: VW032329.D

Acq: 02 Oct 2025 13:57

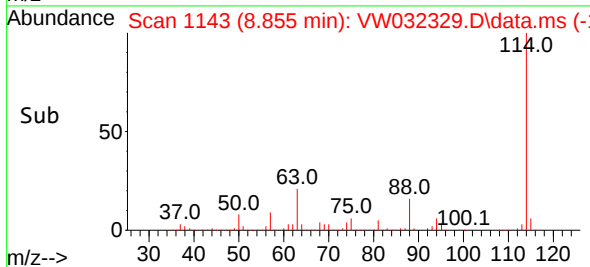
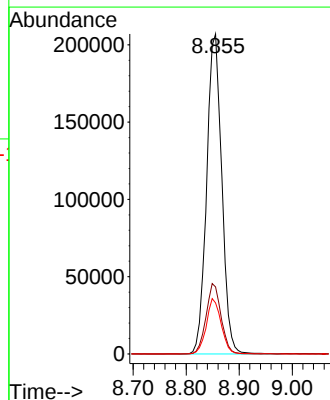
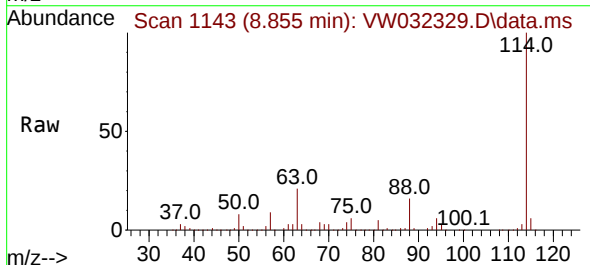
Tgt Ion: 114 Resp: 409718

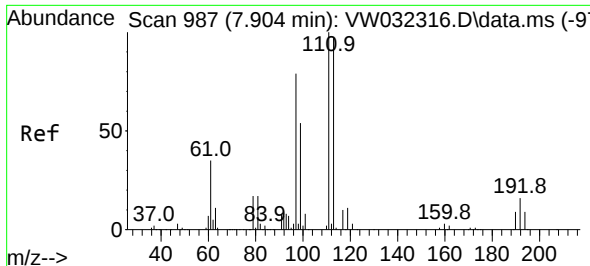
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.4

88 16.0 0.0 32.0

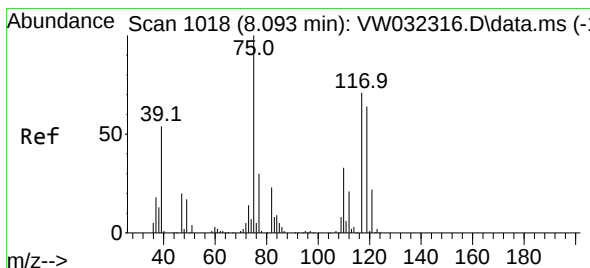
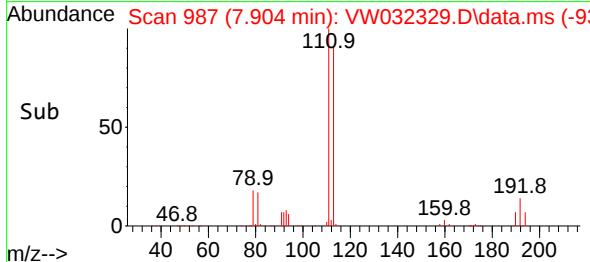
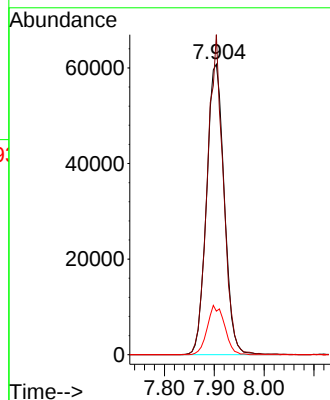
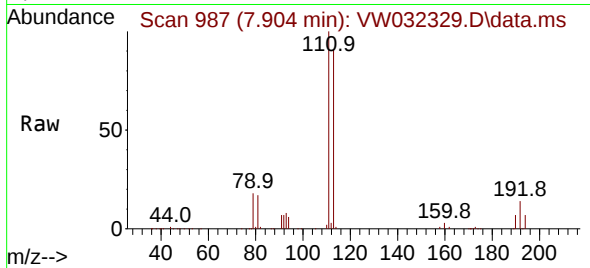




#35
Dibromofluoromethane
Concen: 56.453 ug/l
RT: 7.904 min Scan# 997
Delta R.T. -0.000 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

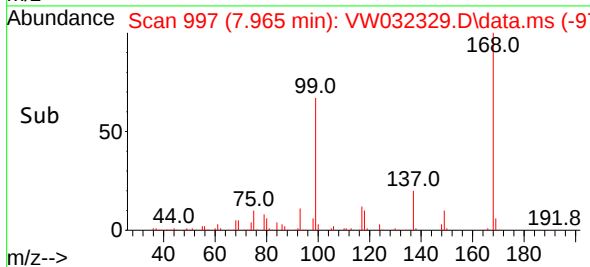
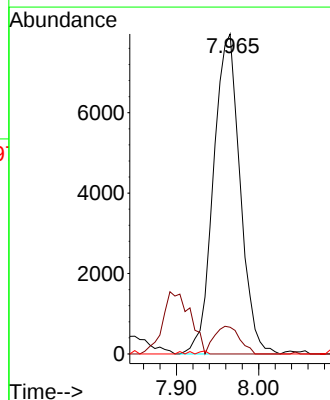
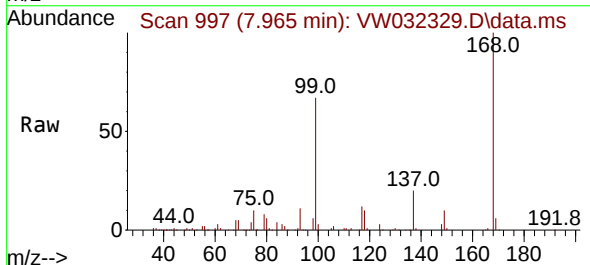
Instrument :
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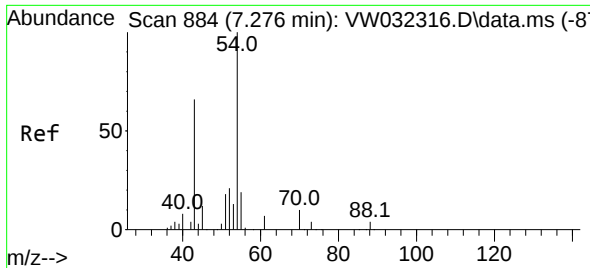
Tgt Ion:113 Resp: 149792
Ion Ratio Lower Upper
113 100
111 99.8 83.9 125.9
192 16.7 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.783 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

Tgt Ion: 75 Resp: 17910
Ion Ratio Lower Upper
75 100
110 8.2 17.5 52.5#
77 0.0 24.1 36.1#

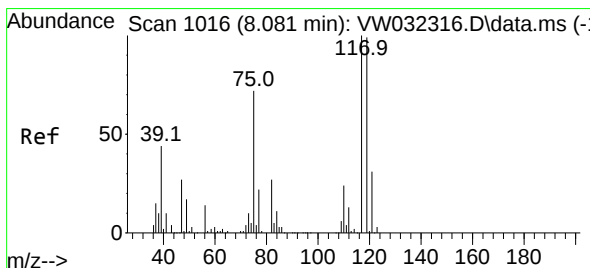
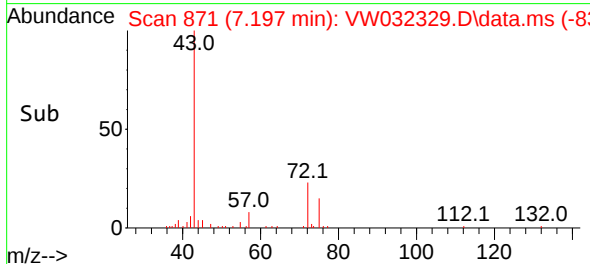
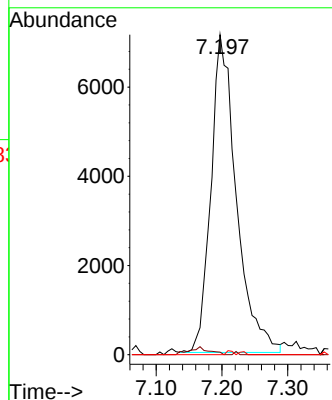
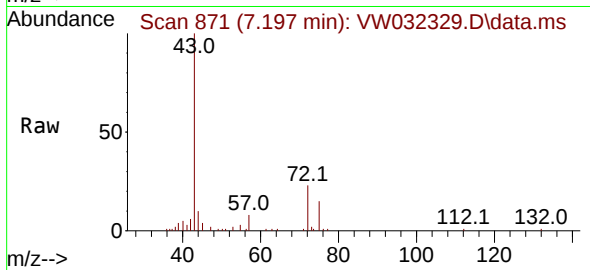




#37
Ethyl Acetate
Concen: 7.706 ug/l
RT: 7.197 min Scan# 81
Delta R.T. -0.080 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

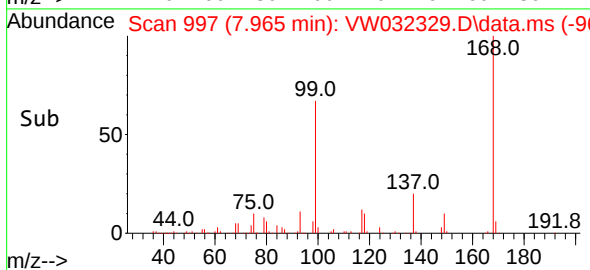
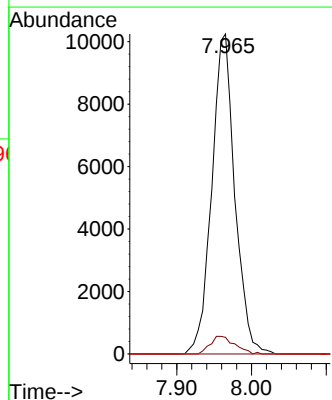
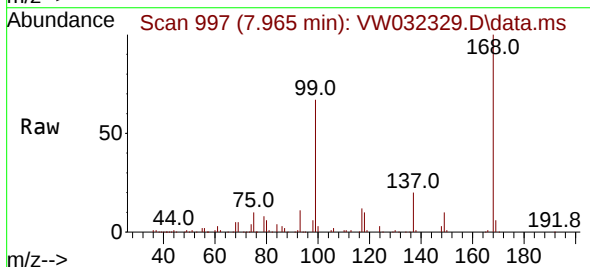
Instrument :
MSVOA_W
ClientSampleId :

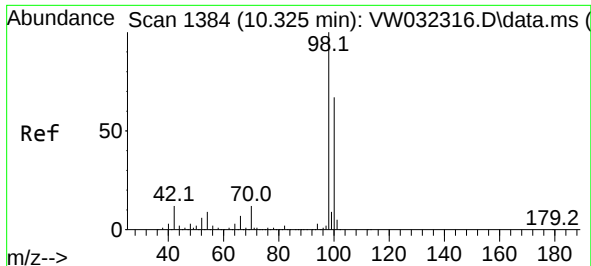
Tgt Ion: 43 Resp: 19208
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.3 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 6.245 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

Tgt Ion: 117 Resp: 22007
Ion Ratio Lower Upper
117 100
119 5.2 74.2 111.2#
121 0.0 25.6 38.4#

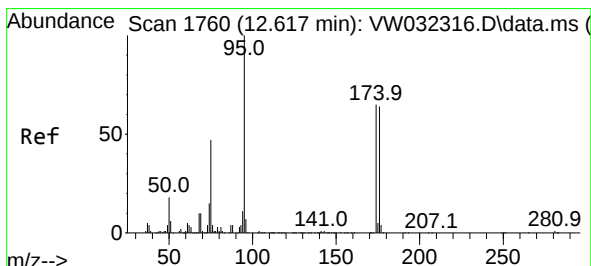
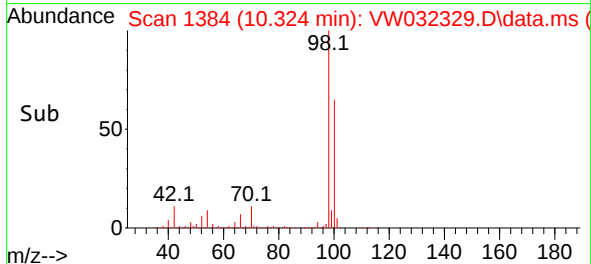
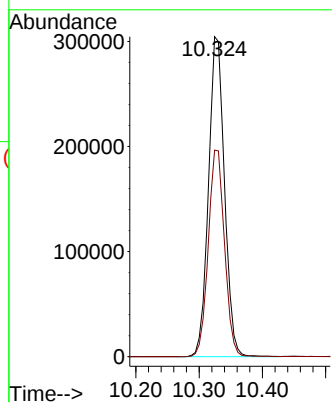
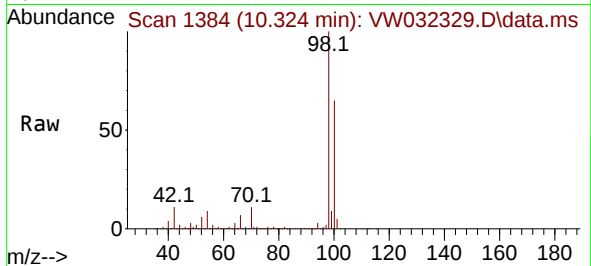




#50
Toluene-d8
Concen: 54.673 ug/l
RT: 10.324 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

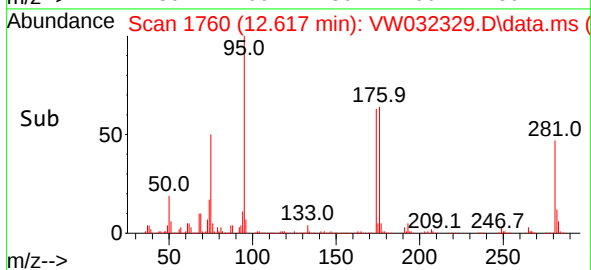
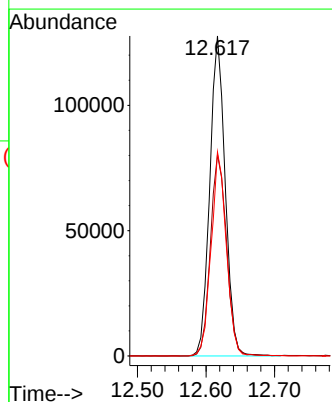
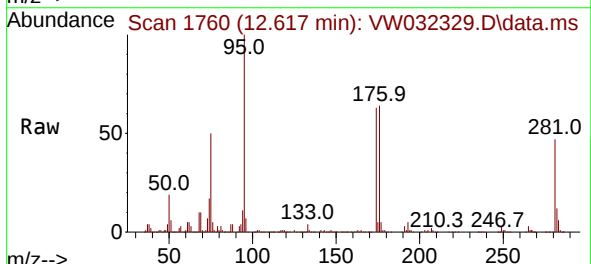
Instrument :
MSVOA_W
ClientSampleId :

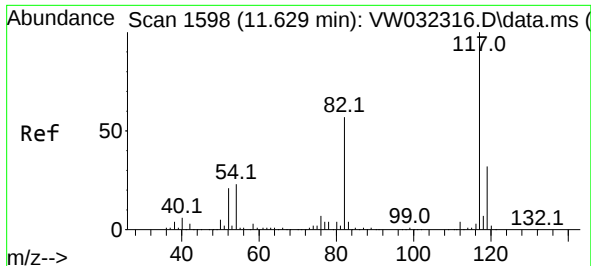
Tgt Ion: 98 Resp: 535418
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 54.080 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

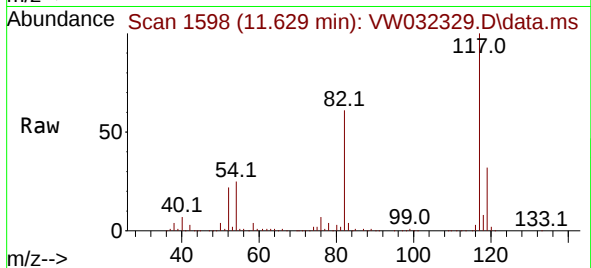
Tgt Ion: 95 Resp: 200173
Ion Ratio Lower Upper
95 100
174 66.0 0.0 145.6
176 62.9 0.0 140.8



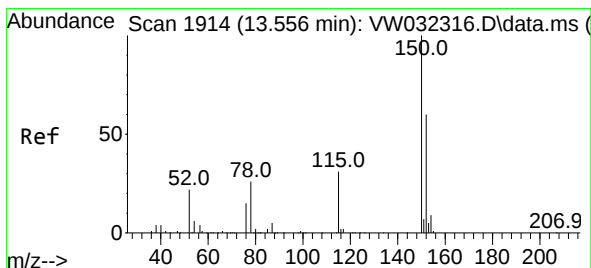
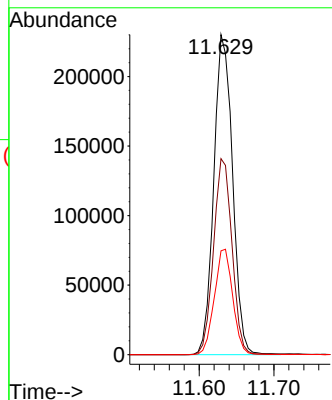
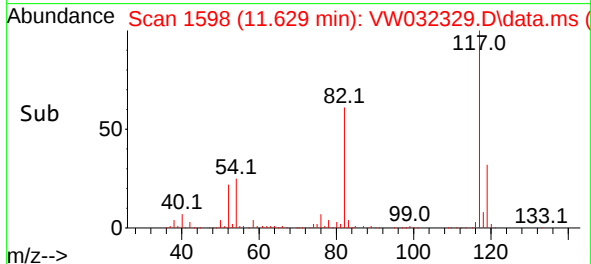


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

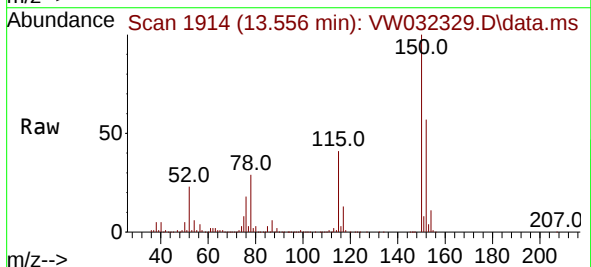
Instrument :
MSVOA_W
ClientSampleId :



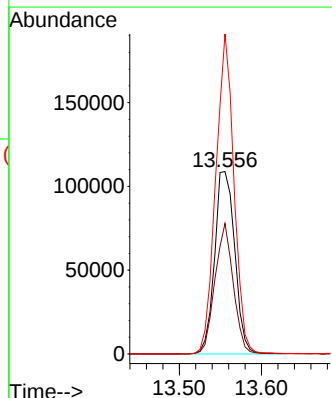
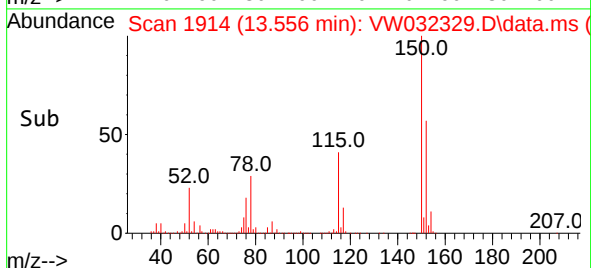
Tgt Ion:117 Resp: 401656
Ion Ratio Lower Upper
117 100
82 61.3 42.7 64.1
119 32.4 25.2 37.8

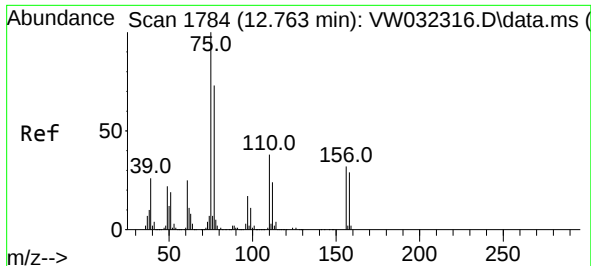


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57



Tgt Ion:152 Resp: 185918
Ion Ratio Lower Upper
152 100
115 65.3 31.8 95.4
150 158.8 0.0 343.0

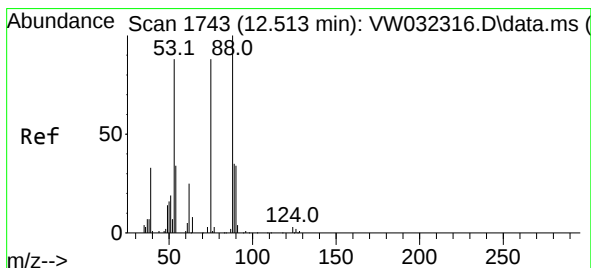
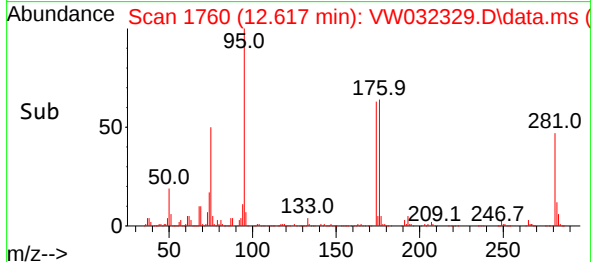
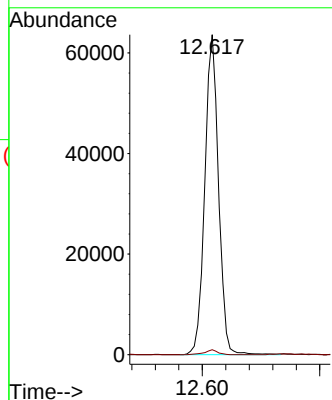
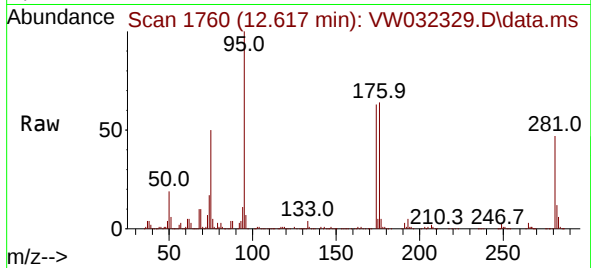




#76
1,2,3-Trichloropropane
Concen: 42.207 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 103264
Ion Ratio Lower Upper
75 100
77 1.5 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.923 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW032329.D
Acq: 02 Oct 2025 13:57

Tgt Ion: 75 Resp: 103264
Ion Ratio Lower Upper
75 100
53 0.3 91.0 136.6#
89 1.5 39.4 59.2#

