

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032382.D
 Acq On : 20 Oct 2025 12:44
 Operator : SY/MD
 Sample : Q3363-05
 Misc : 5.32g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COMP01-20251015

Quant Time: Oct 21 01:25:26 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	173392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	385425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	401644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	188999	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	168574	66.656	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 133.320%	
35) Dibromofluoromethane	7.898	113	142606	57.133	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 114.260%	
50) Toluene-d8	10.324	98	479079	52.004	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 104.000%	
62) 4-Bromofluorobenzene	12.617	95	187434	53.830	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 107.660%	

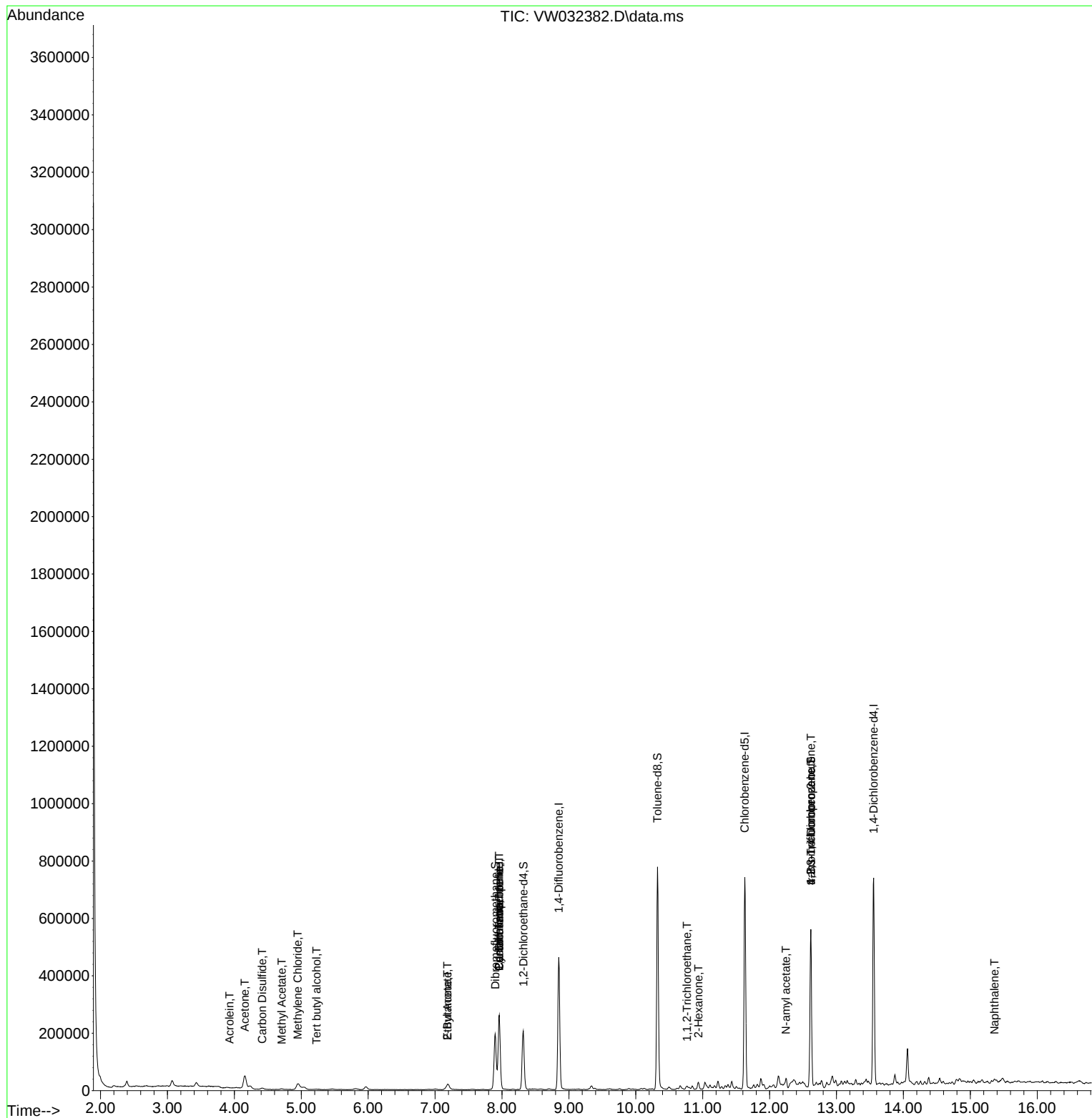
Target Compounds						Qvalue
11) Tert butyl alcohol	5.228	59	661	3.453	ug/l #	69
13) Acrolein	3.929	56	822	2.646	ug/l #	14
16) Acetone	4.155	43	84947	121.306	ug/l	98
17) Carbon Disulfide	4.417	76	10689	2.005	ug/l #	94
18) Methyl Acetate	4.710	43	4682	2.334	ug/l	100
20) Methylene Chloride	4.947	84	16665	2.063	ug/l	93
25) 2-Butanone	7.185	43	29917	31.368	ug/l	93
31) Cyclohexane	7.959	56	5699	1.601	ug/l #	8
36) 1,1-Dichloropropene	7.959	75	16447	4.669	ug/l #	49
37) Ethyl Acetate	7.185	43	29917	12.759	ug/l #	70
38) Carbon Tetrachloride	7.959	117	19415	5.857	ug/l #	17
55) 1,1,2-Trichloroethane	10.763	97	2825	1.247	ug/l #	27
59) 2-Hexanone	10.934	43	8207	4.830	ug/l #	30
74) N-amyl acetate	12.245	43	6814	1.652	ug/l #	67
76) 1,2,3-Trichloropropane	12.617	75	97521	39.210	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	97521	99.331	ug/l #	5
95) Naphthalene	15.360	128	11007	1.340	ug/l	99

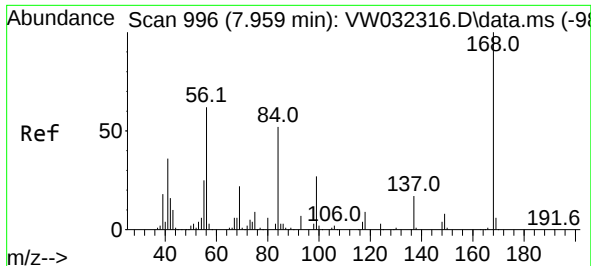
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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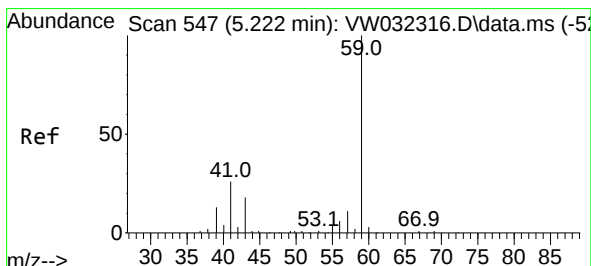
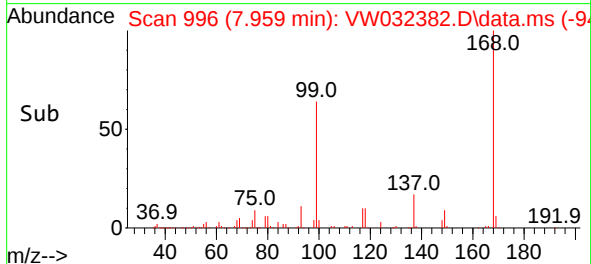
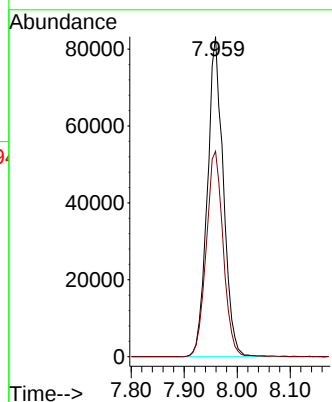
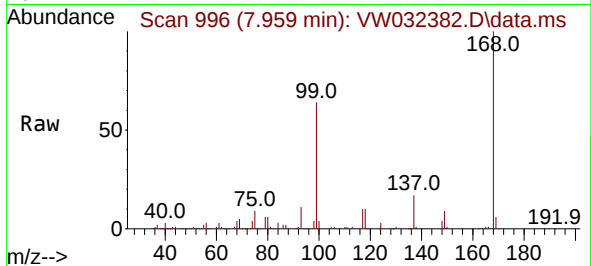




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

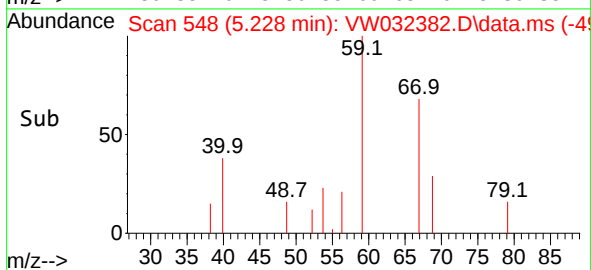
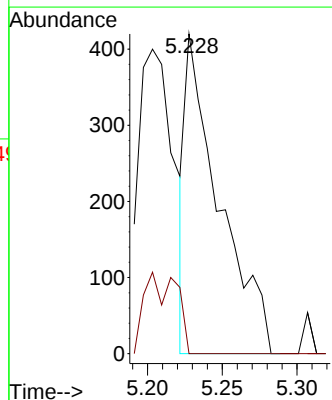
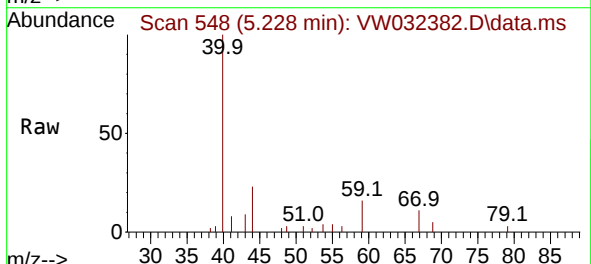
Instrument :
MSVOA_W
ClientSampleId :
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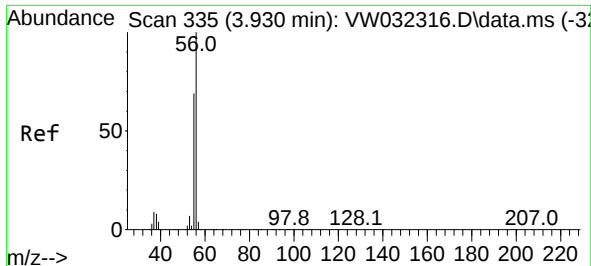
Tgt Ion:168 Resp: 173392
Ion Ratio Lower Upper
168 100
99 64.2 49.3 73.9



#11
Tert butyl alcohol
Concen: 3.453 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

Tgt Ion: 59 Resp: 661
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

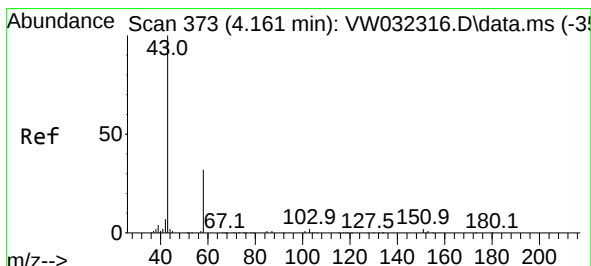
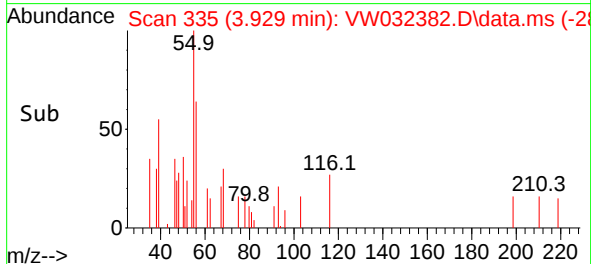
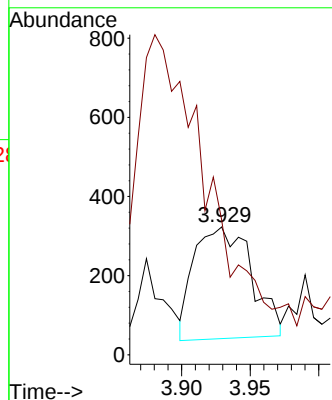
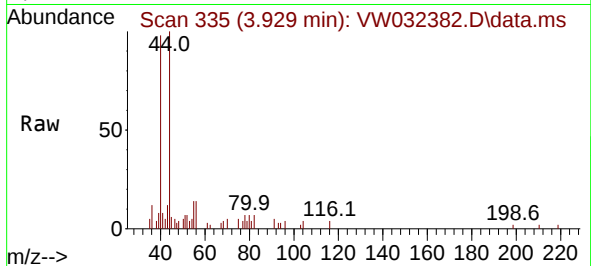




#13
Acrolein
Concen: 2.646 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

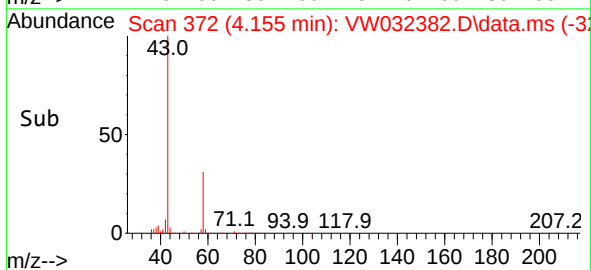
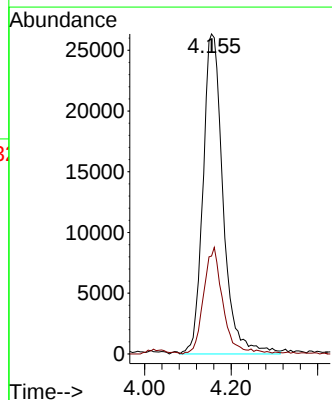
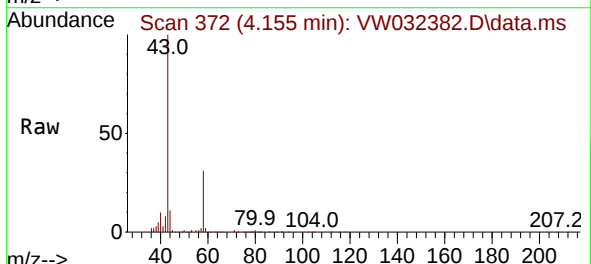
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ClientSampleId :
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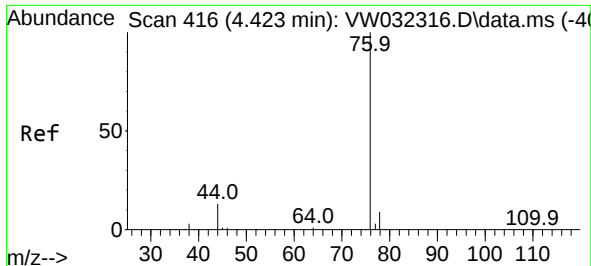
Tgt Ion: 56 Resp: 822
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 121.306 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

Tgt Ion: 43 Resp: 84947
Ion Ratio Lower Upper
43 100
58 30.3 25.3 37.9

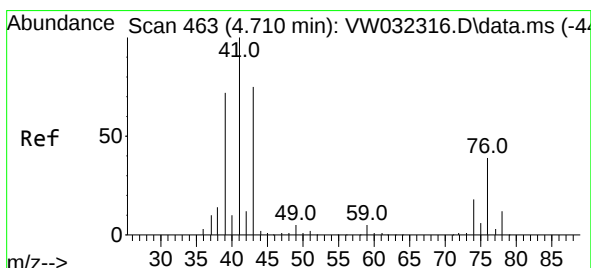
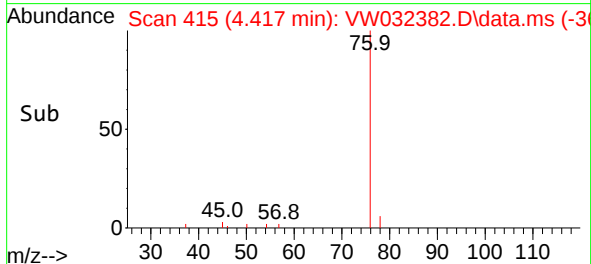
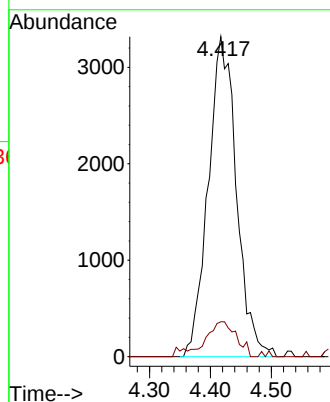
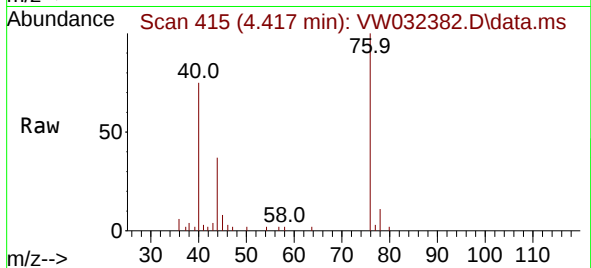




#17
Carbon Disulfide
Concen: 2.005 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

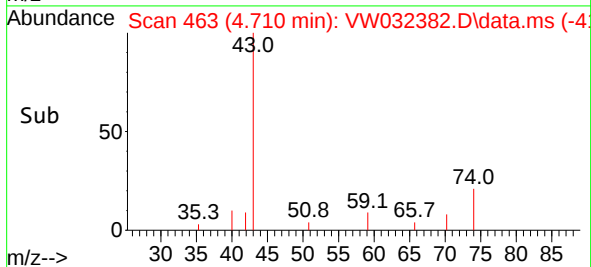
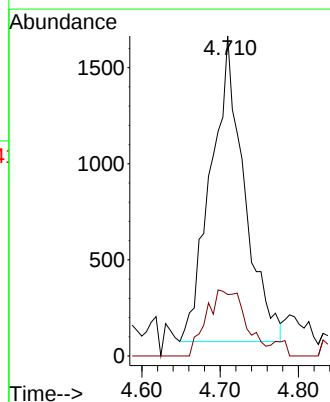
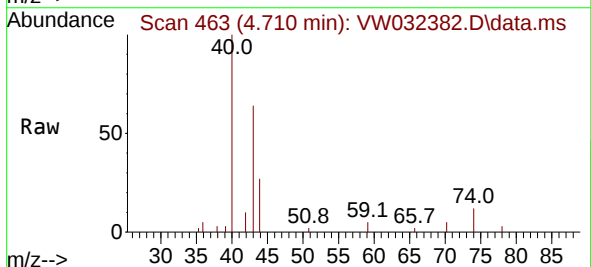
Instrument :
MSVOA_W
ClientSampleId :
COMP01-20251015

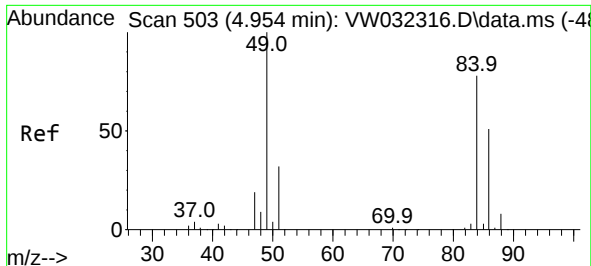
Tgt Ion: 76 Resp: 10689
Ion Ratio Lower Upper
76 100
78 10.9 7.0 10.6#



#18
Methyl Acetate
Concen: 2.334 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

Tgt Ion: 43 Resp: 4682
Ion Ratio Lower Upper
43 100
74 25.4 20.2 30.4

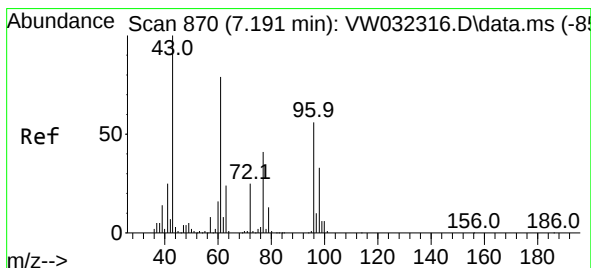
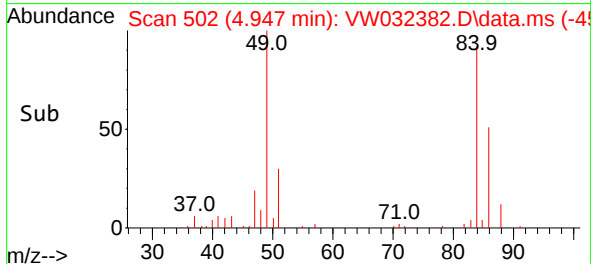
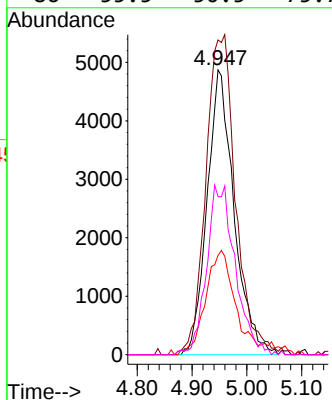
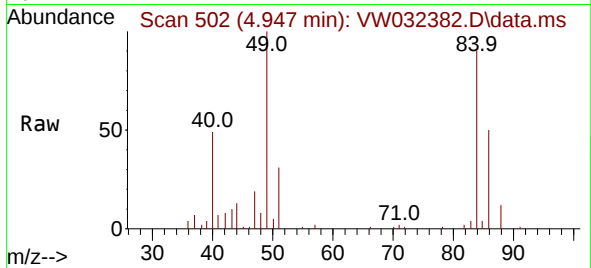




#20
Methylene Chloride
Concen: 2.063 ug/l
RT: 4.947 min Scan# 503
Delta R.T. -0.013 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

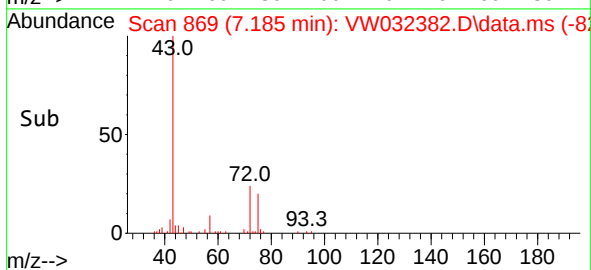
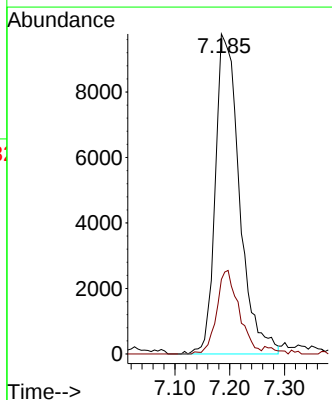
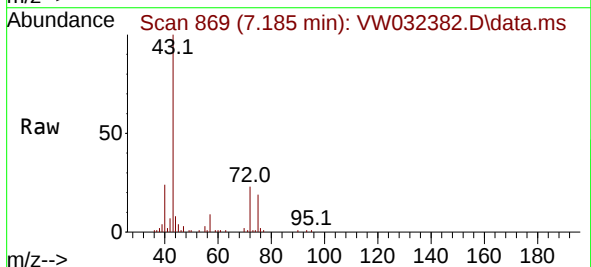
Instrument :
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ClientSampleId :
COMP01-20251015

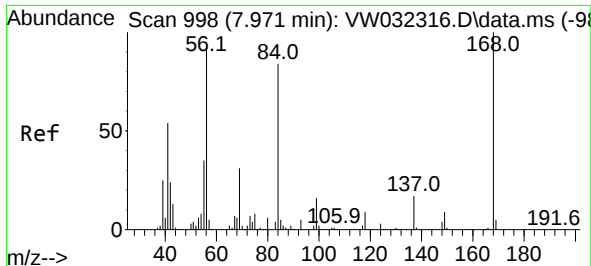
Tgt Ion: 84	Resp: 16665
Ion Ratio	Lower Upper
84 100	
49 109.4	92.2 138.4
51 34.8	31.0 46.6
86 55.5	50.5 75.7



#25
2-Butanone
Concen: 31.368 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

Tgt Ion: 43	Resp: 29917
Ion Ratio	Lower Upper
43 100	
72 23.3	21.4 32.2

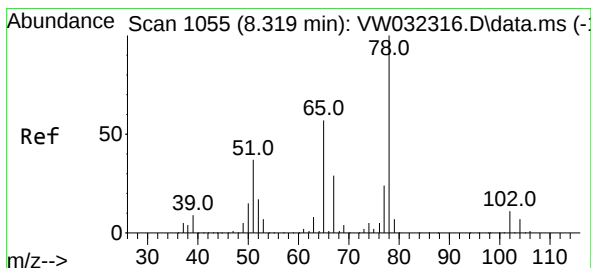
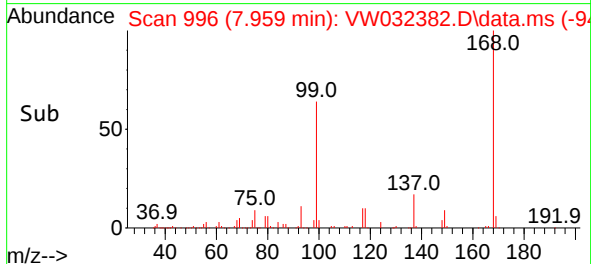
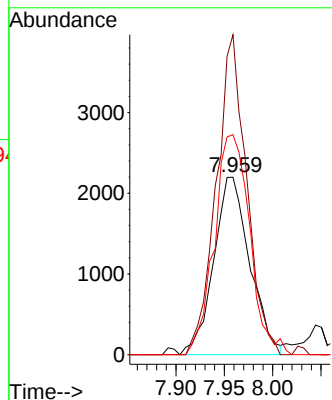
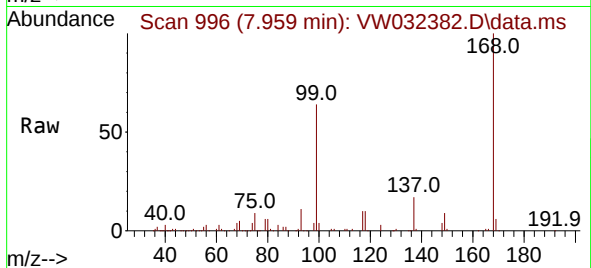




#31
Cyclohexane
Concen: 1.601 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.013 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

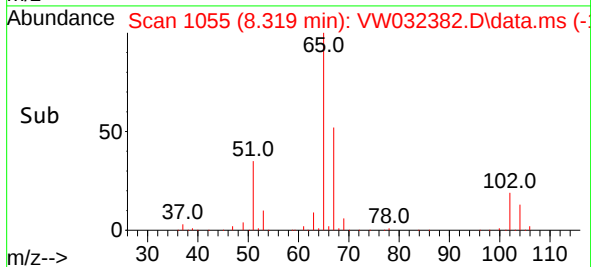
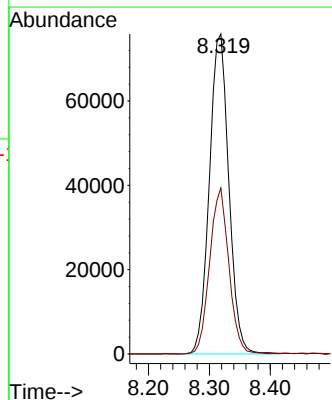
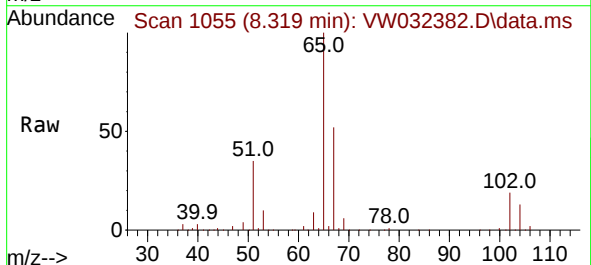
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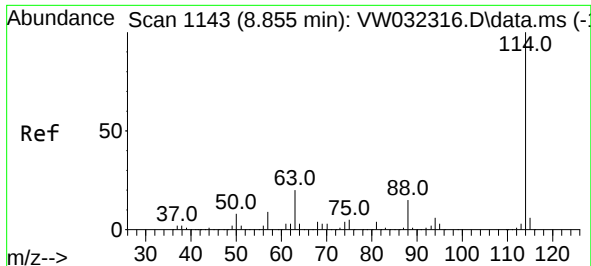
Tgt Ion: 56 Resp: 5699
Ion Ratio Lower Upper
56 100
69 180.3 27.7 41.5#
84 124.0 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 66.656 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

Tgt Ion: 65 Resp: 168574
Ion Ratio Lower Upper
65 100
67 51.1 0.0 99.6

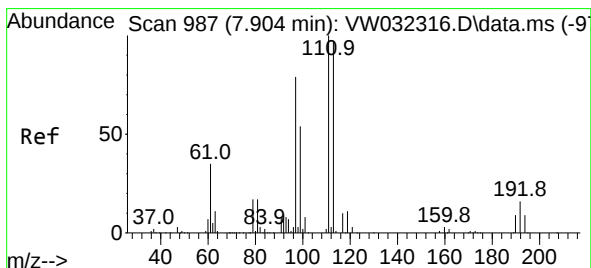
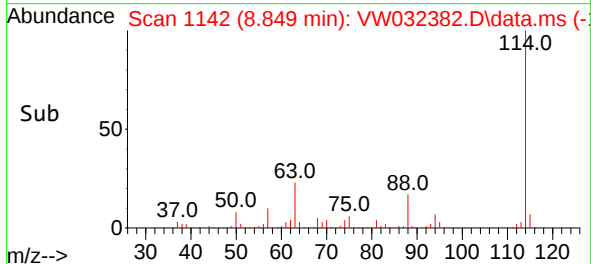
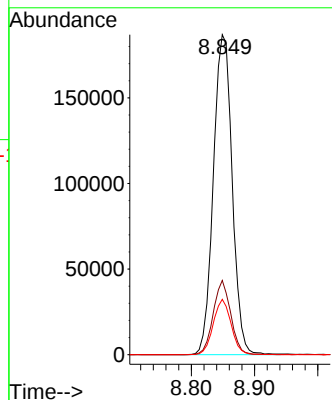
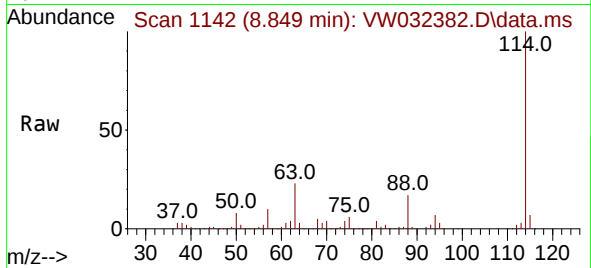




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

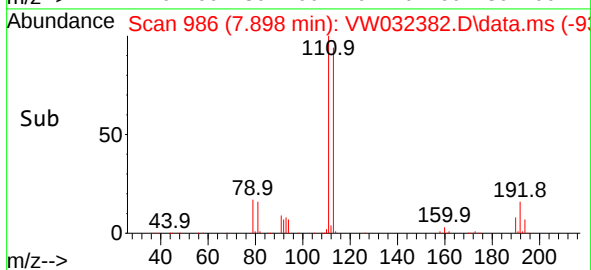
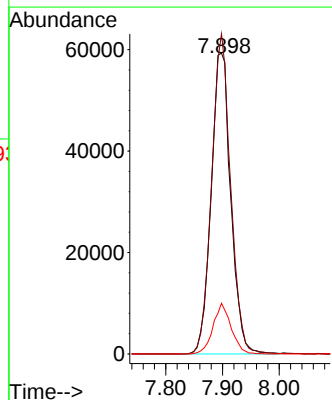
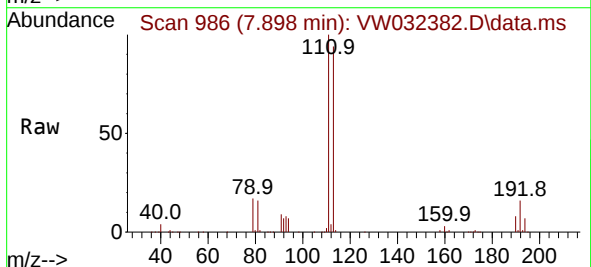
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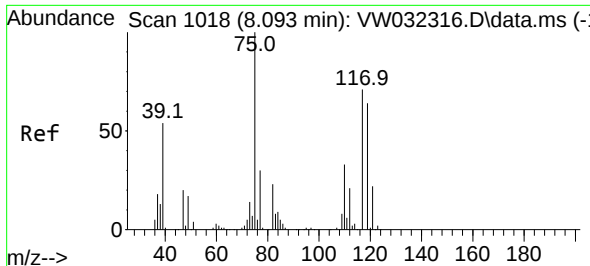
Tgt Ion:114 Resp: 385425
Ion Ratio Lower Upper
114 100
63 23.2 0.0 40.4
88 17.3 0.0 32.0



#35
Dibromofluoromethane
Concen: 57.133 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

Tgt Ion:113 Resp: 142606
Ion Ratio Lower Upper
113 100
111 102.9 83.9 125.9
192 15.5 14.6 21.8

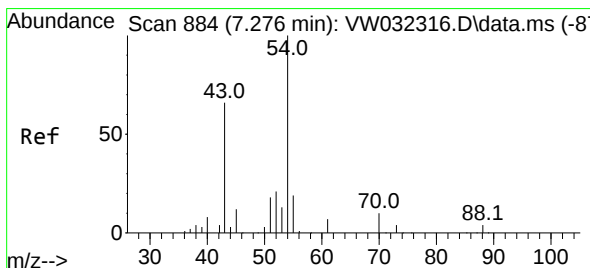
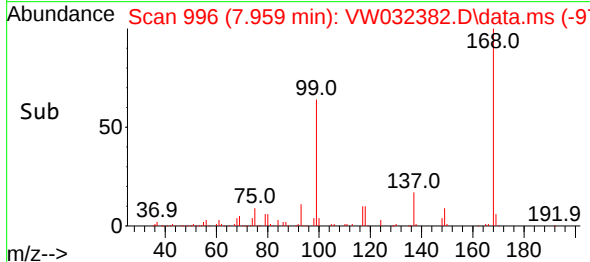
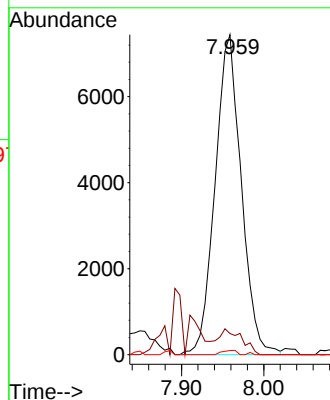
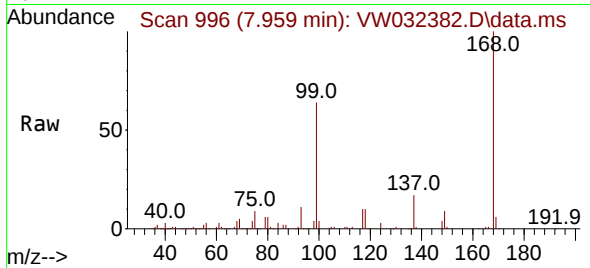




#36
1,1-Dichloropropene
Concen: 4.669 ug/l
RT: 7.959 min Scan# 91
Delta R.T. -0.141 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

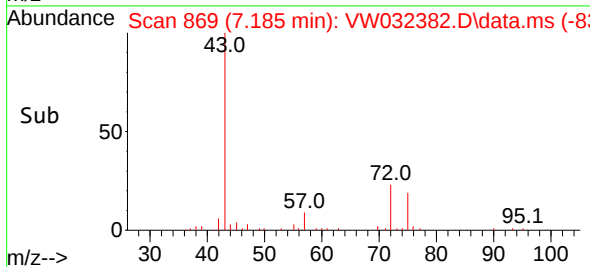
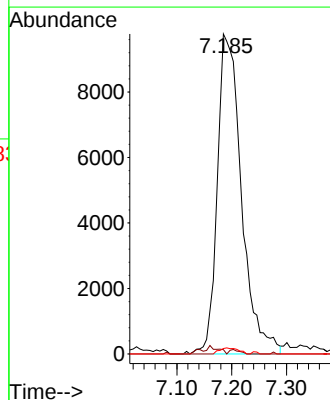
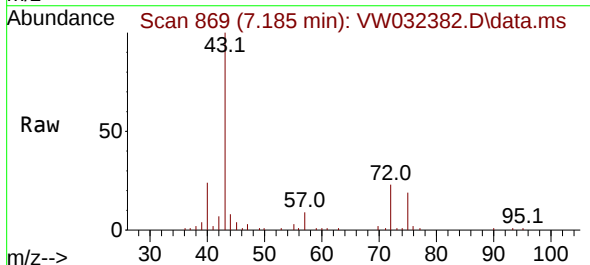
Instrument :
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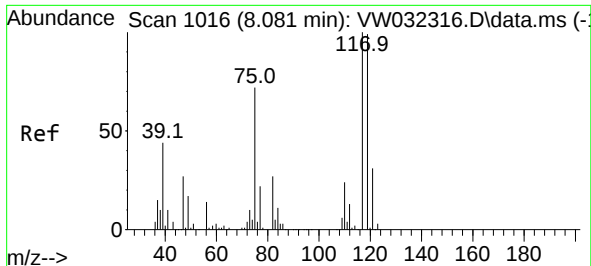
Tgt Ion: 75 Resp: 16447
Ion Ratio Lower Upper
75 100
110 7.4 17.5 52.5#
77 0.7 24.1 36.1#



#37
Ethyl Acetate
Concen: 12.759 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.092 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

Tgt Ion: 43 Resp: 29917
Ion Ratio Lower Upper
43 100
61 0.6 11.3 16.9#
70 1.5 8.9 13.3#

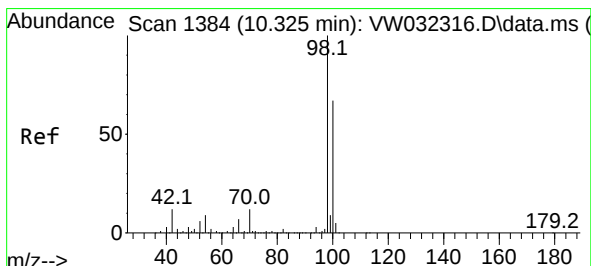
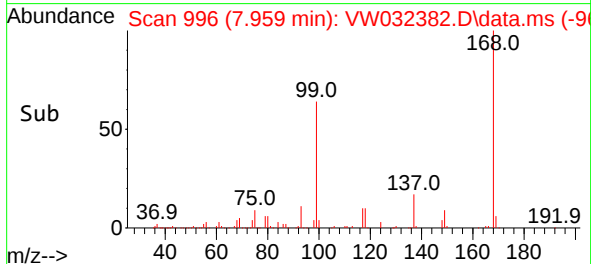
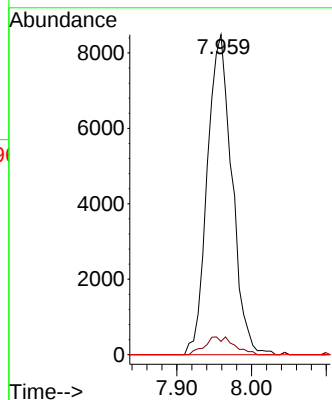
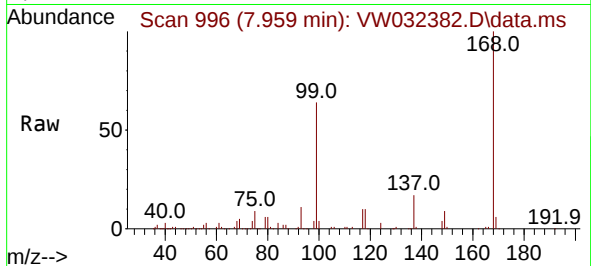




#38
Carbon Tetrachloride
Concen: 5.857 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.128 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

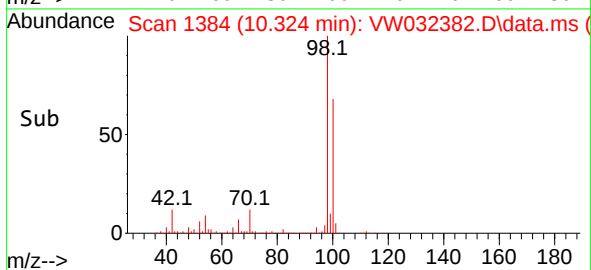
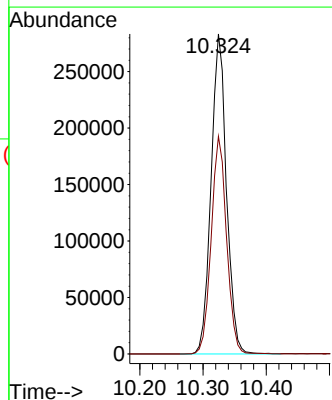
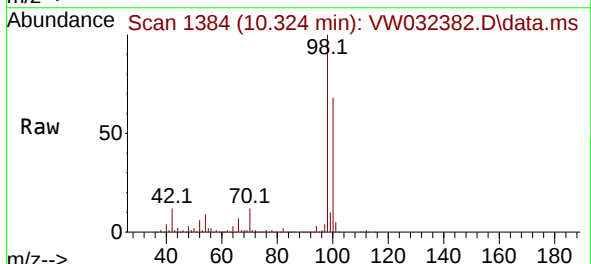
Instrument :
MSVOA_W
ClientSampleId :
COMP01-20251015

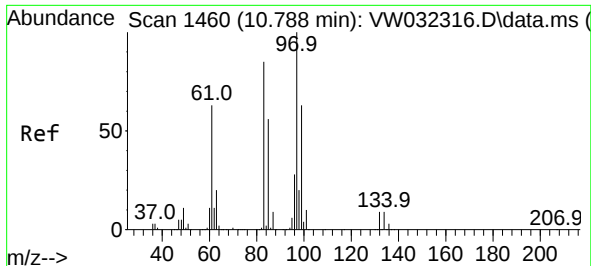
Tgt Ion:117 Resp: 19415
Ion Ratio Lower Upper
117 100
119 4.1 74.2 111.2#
121 0.0 25.6 38.4#



#50
Toluene-d8
Concen: 52.004 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

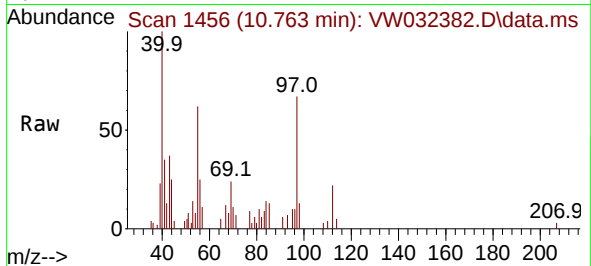
Tgt Ion: 98 Resp: 479079
Ion Ratio Lower Upper
98 100
100 67.9 51.4 77.2



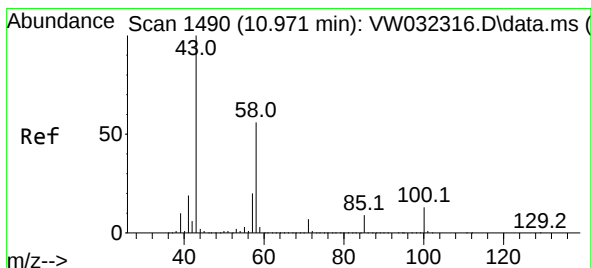
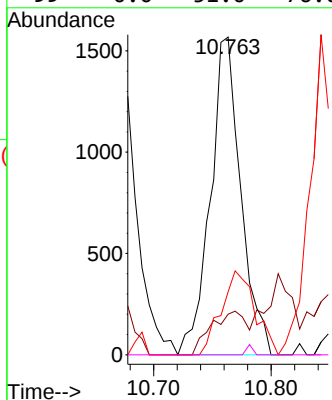
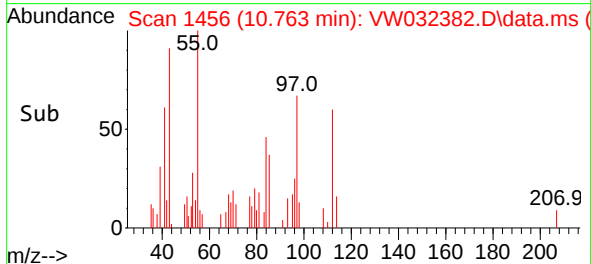


#55
1,1,2-Trichloroethane
Concen: 1.247 ug/l
RT: 10.763 min Scan# 1456
Delta R.T. -0.025 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

Instrument :
MSVOA_W
ClientSampleId :
COMP01-20251015

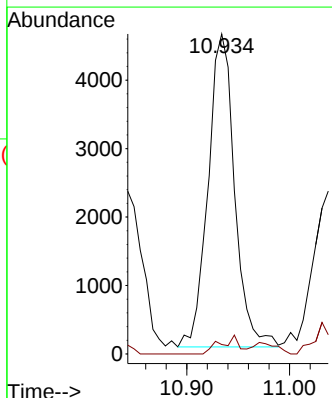
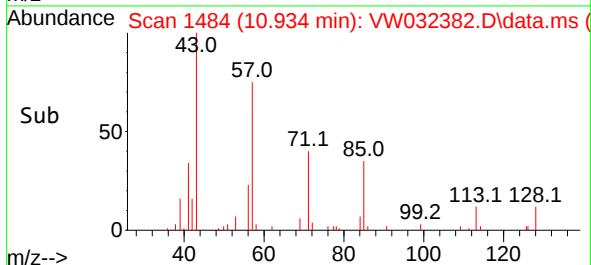
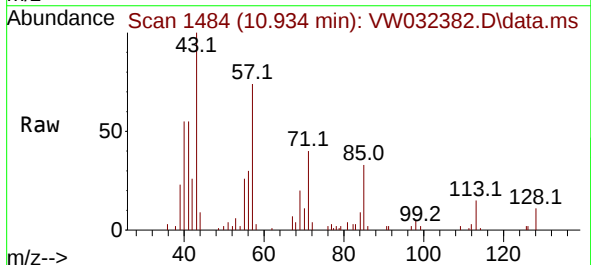


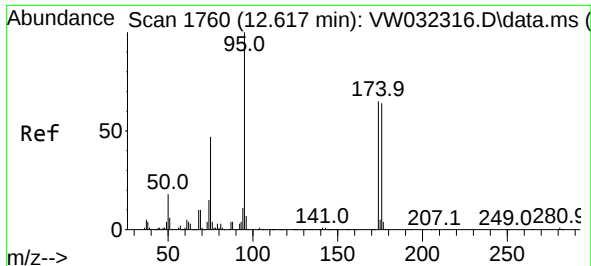
Tgt Ion:	97	Resp:	2825
Ion	Ratio	Lower	Upper
97	100		
83	12.8	71.0	106.6#
85	19.8	42.8	64.2#
99	0.0	51.0	76.6#



#59
2-Hexanone
Concen: 4.830 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. -0.037 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

Tgt Ion:	43	Resp:	8207
Ion	Ratio	Lower	Upper
43	100		
58	4.2	27.5	82.4#

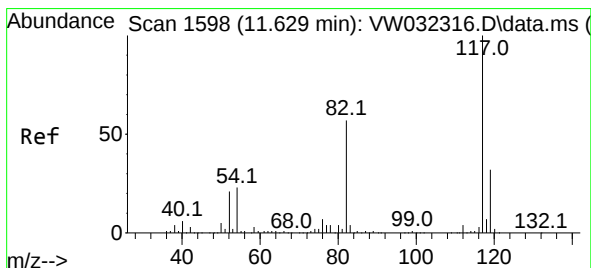
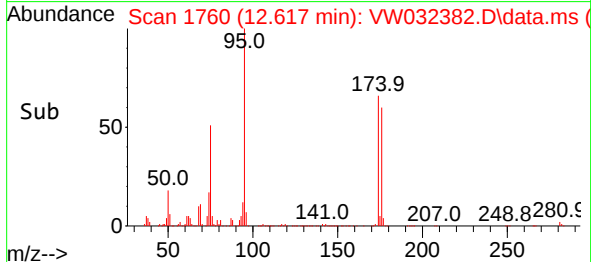
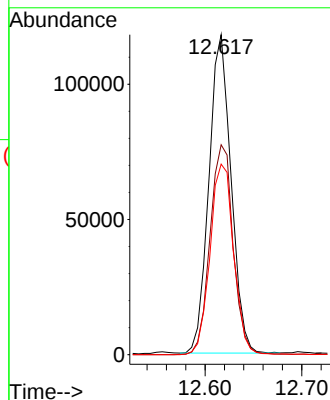
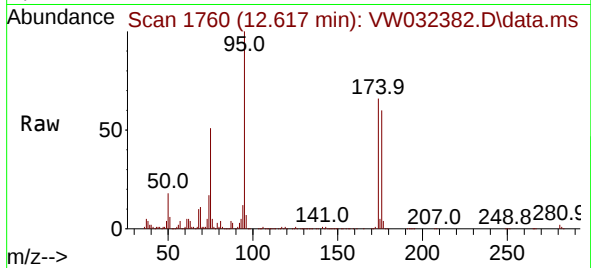




#62
4-Bromofluorobenzene
Concen: 53.830 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

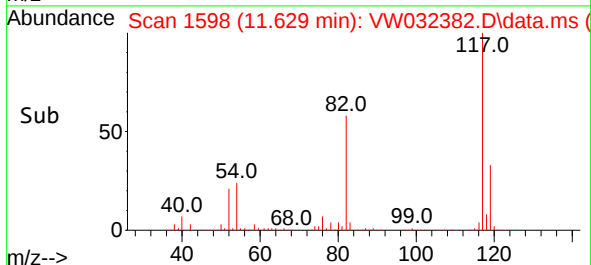
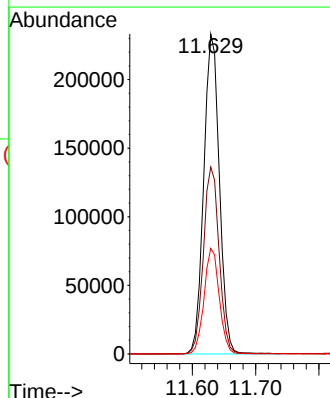
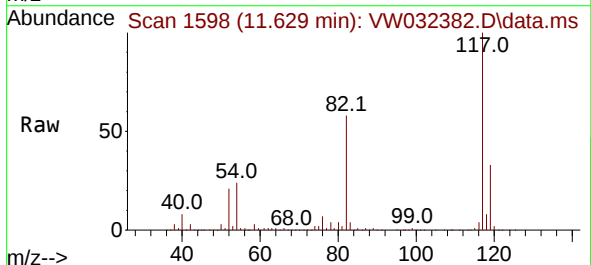
Instrument :
MSVOA_W
ClientSampleId :
COMP01-20251015

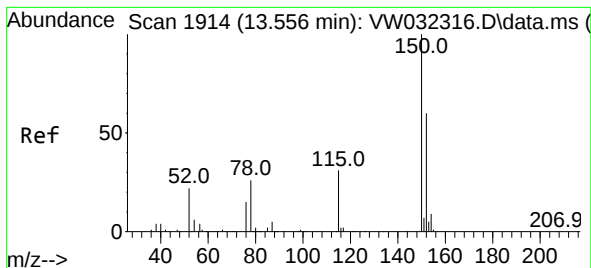
Tgt Ion: 95 Resp: 187434
Ion Ratio Lower Upper
95 100
174 69.0 0.0 145.6
176 63.9 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

Tgt Ion: 117 Resp: 401644
Ion Ratio Lower Upper
117 100
82 58.3 42.7 64.1
119 33.0 25.2 37.8

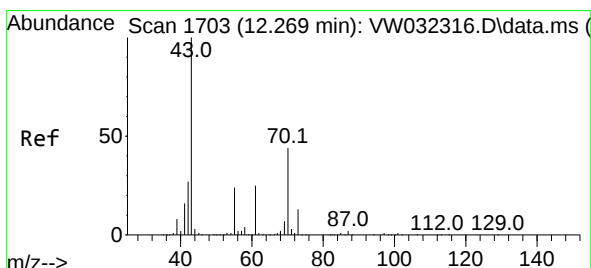
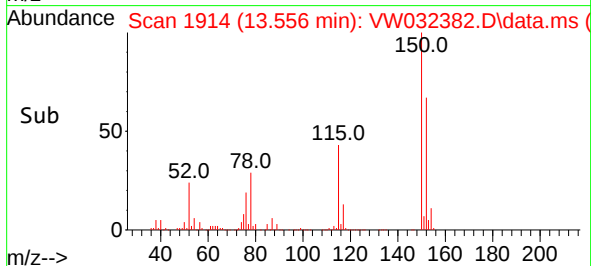
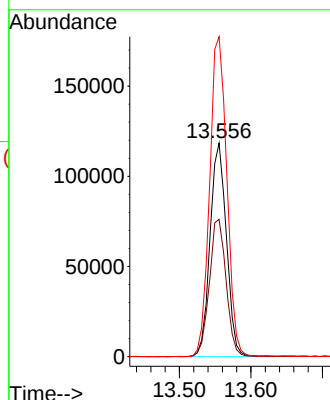
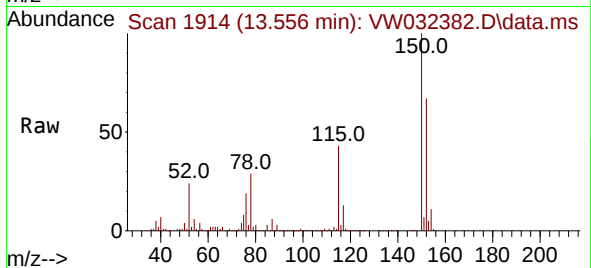




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

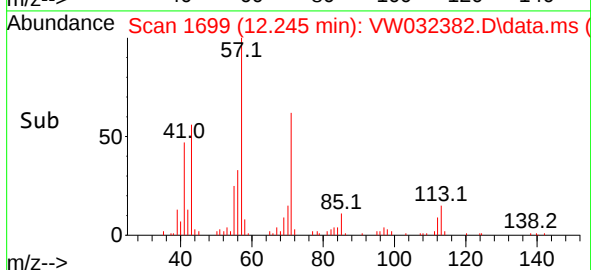
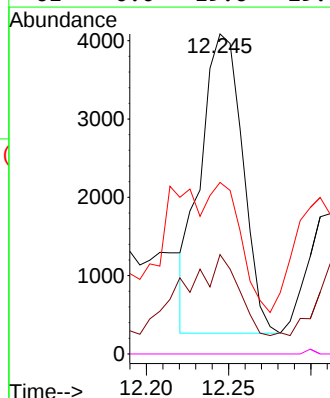
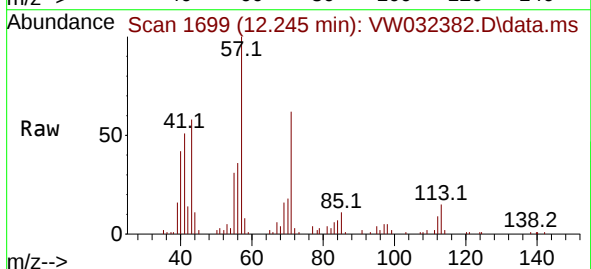
Instrument :
MSVOA_W
ClientSampleId :
COMP01-20251015

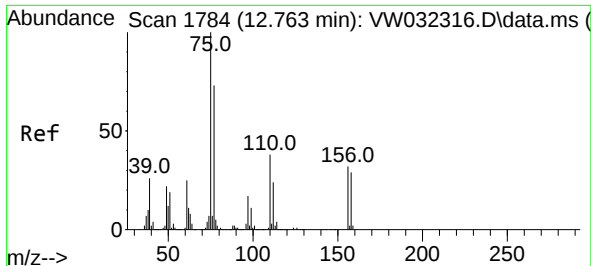
Tgt Ion:152 Resp: 188999
Ion Ratio Lower Upper
152 100
115 66.0 31.8 95.4
150 156.6 0.0 343.0



#74
N-ethyl acetate
Concen: 1.652 ug/l
RT: 12.245 min Scan# 1699
Delta R.T. -0.025 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

Tgt Ion: 43 Resp: 6814
Ion Ratio Lower Upper
43 100
70 35.3 35.3 52.9
55 0.0 19.9 29.9#
61 0.0 19.6 29.4#

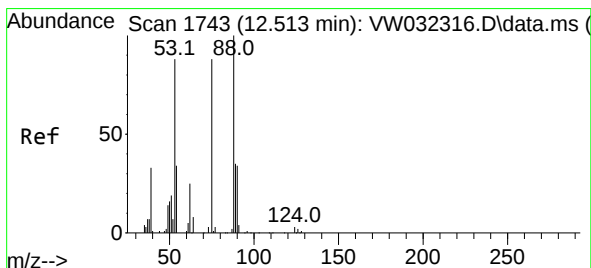
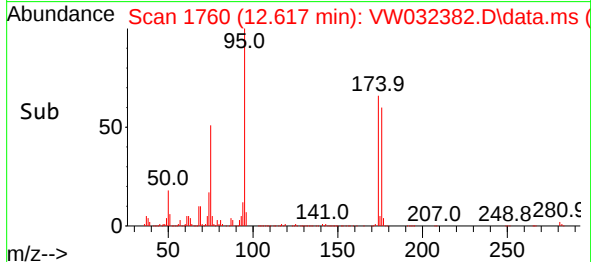
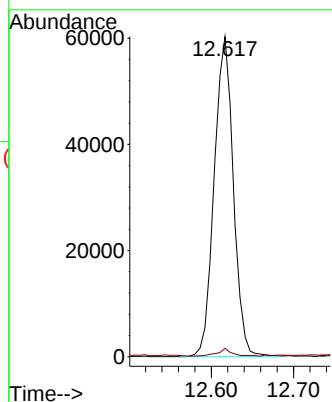
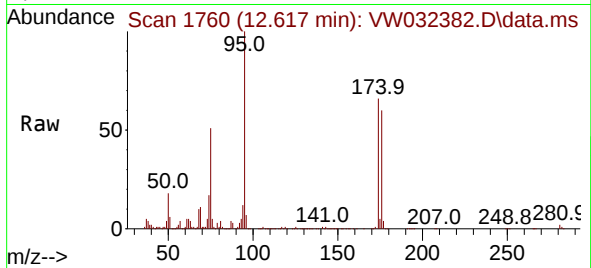




#76
1,2,3-Trichloropropane
Concen: 39.210 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

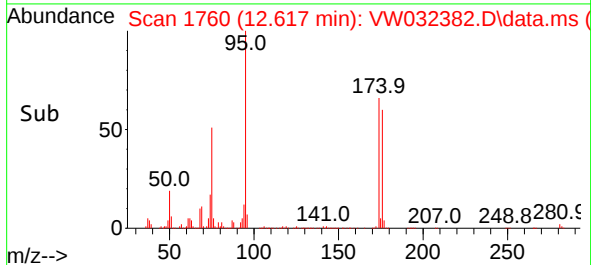
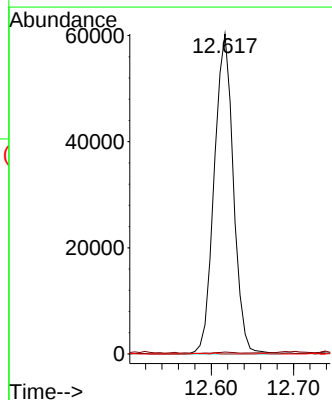
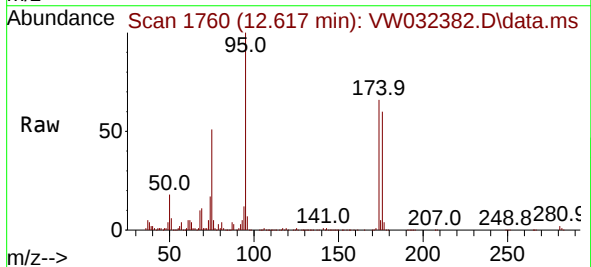
Instrument :
MSVOA_W
ClientSampleId :
COMP01-20251015

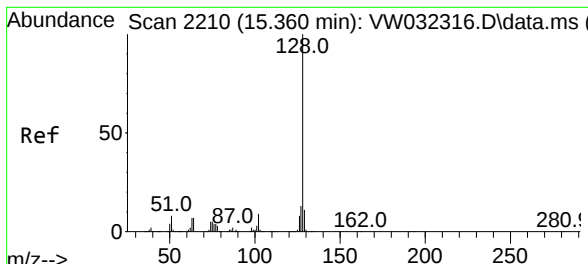
Tgt Ion: 75 Resp: 97521
Ion Ratio Lower Upper
75 100
77 1.8 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.331 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW032382.D
Acq: 20 Oct 2025 12:44

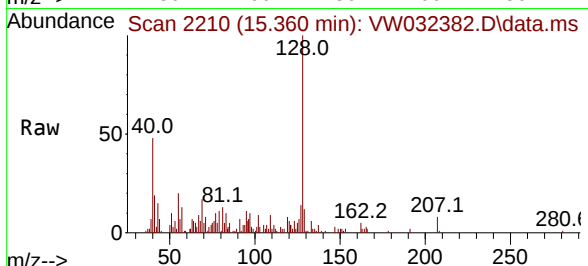
Tgt Ion: 75 Resp: 97521
Ion Ratio Lower Upper
75 100
53 0.5 91.0 136.6#
89 0.1 39.4 59.2#





#95
 Naphthalene
 Concen: 1.340 ug/l
 RT: 15.360 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW032382.D
 Acq: 20 Oct 2025 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 COMP01-20251015



Tgt Ion:128 Resp: 11007

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.2	8.4	12.6

