

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032364.D
 Acq On : 06 Oct 2025 17:01
 Operator : SY/MD
 Sample : Q3294-01
 Misc : 5.07g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 03:49:30 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	199791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	446106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	448567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	227759	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	184347	63.261	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	126.520%	
35) Dibromofluoromethane	7.904	113	153957	53.290	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	106.580%	
50) Toluene-d8	10.324	98	567868	53.257	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	106.520%	
62) 4-Bromofluorobenzene	12.617	95	222204	55.135	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	110.260%	

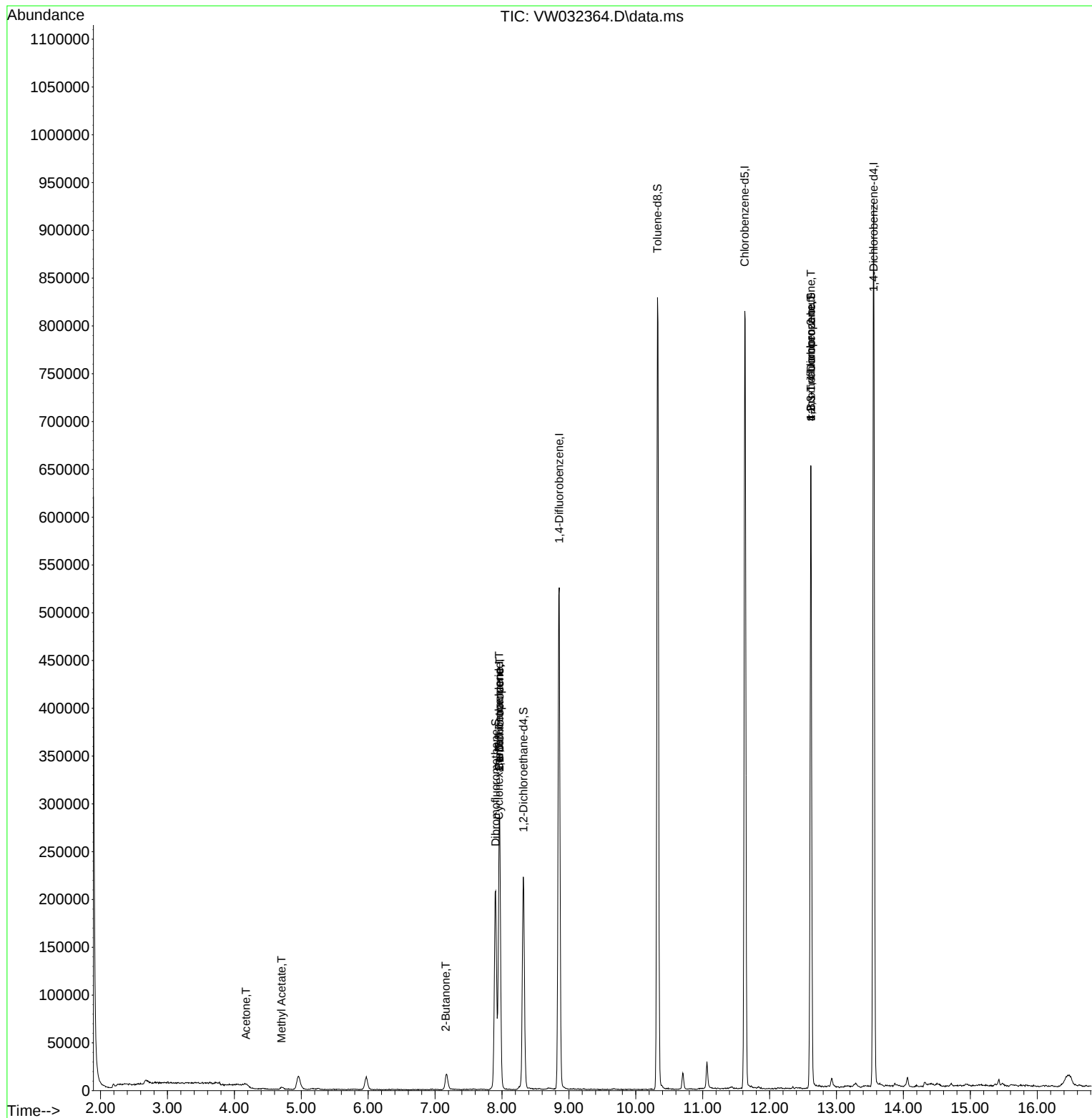
Target Compounds					Qvalue	
16) Acetone	4.173	43	2944	3.649	ug/l #	64
18) Methyl Acetate	4.703	43	4603	1.991	ug/l	95
20) Methylene Chloride	4.953	84	12492	Below Cal		94
25) 2-Butanone	7.160	43	1101	1.002	ug/l #	48
31) Cyclohexane	7.953	56	5042	1.229	ug/l #	25
36) 1,1-Dichloropropene	7.965	75	18785	4.607	ug/l #	51
38) Carbon Tetrachloride	7.959	117	22487	5.861	ug/l #	19
76) 1,2,3-Trichloropropane	12.617	75	114435	38.181	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	114435	96.722	ug/l #	5

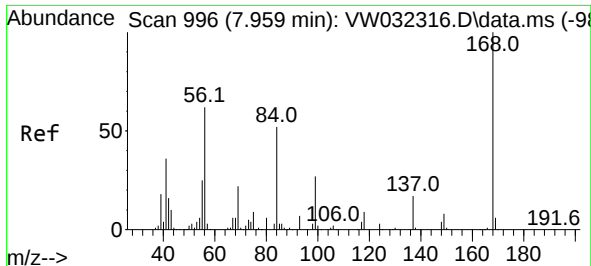
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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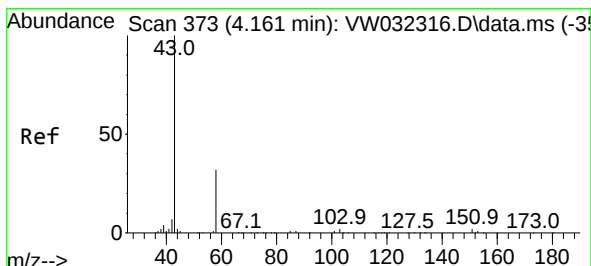
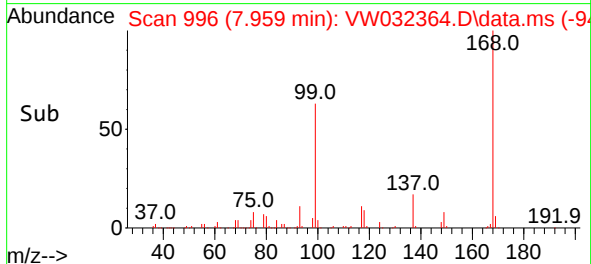
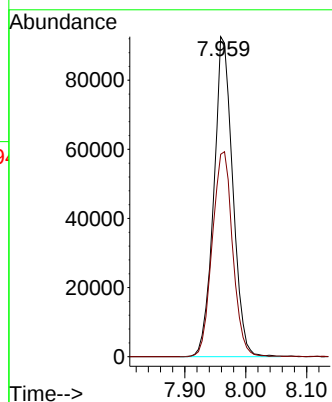
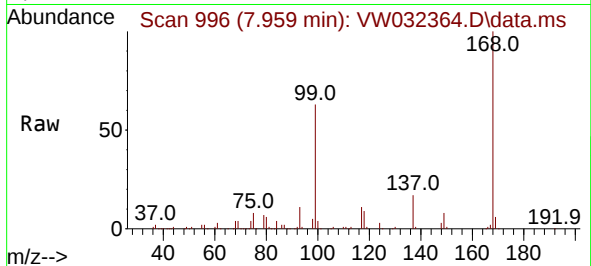




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

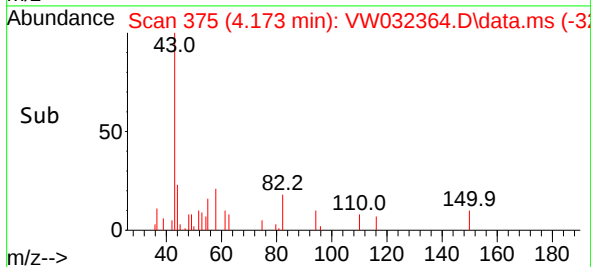
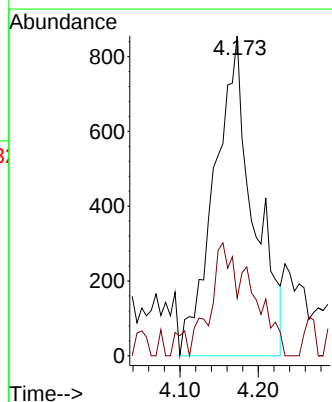
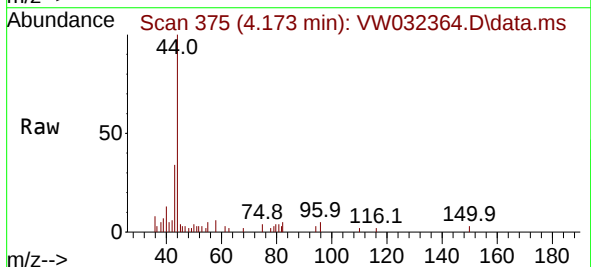
Instrument :
MSVOA_W
ClientSampleId :

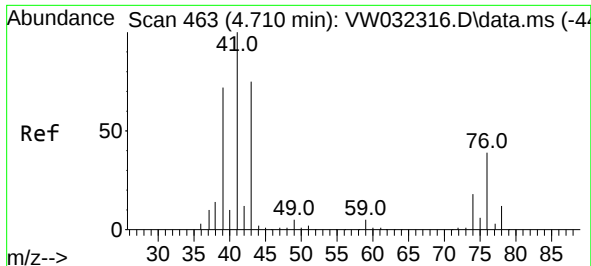
Tgt Ion:168 Resp: 199791
Ion Ratio Lower Upper
168 100
99 63.2 49.3 73.9



#16
Acetone
Concen: 3.649 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.012 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

Tgt Ion: 43 Resp: 2944
Ion Ratio Lower Upper
43 100
58 11.7 25.3 37.9#

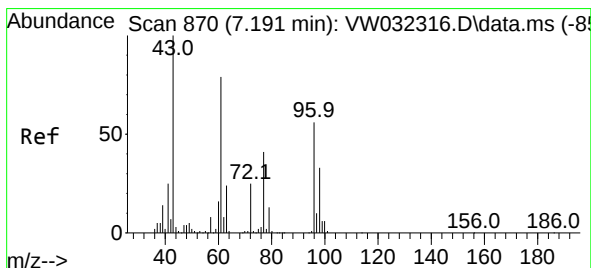
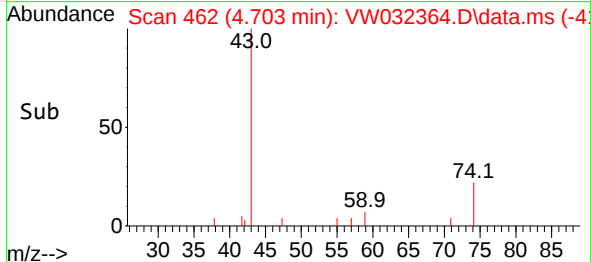
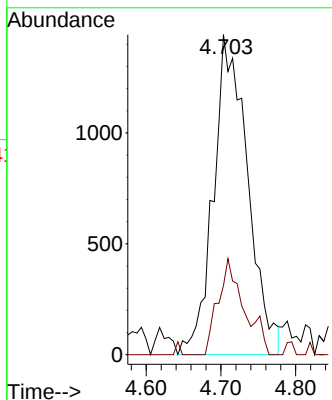
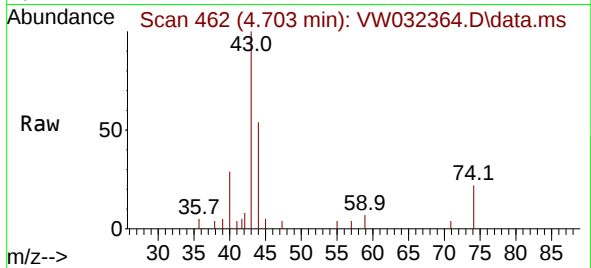




#18
Methyl Acetate
Concen: 1.991 ug/l
RT: 4.703 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

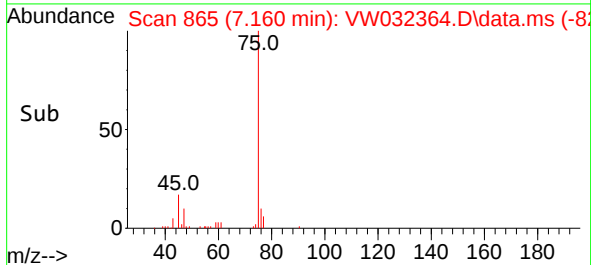
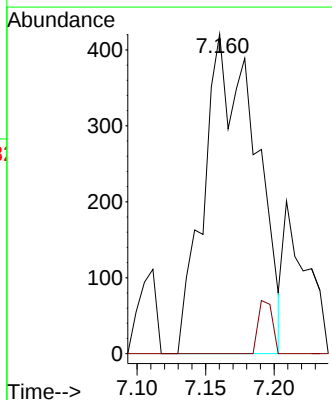
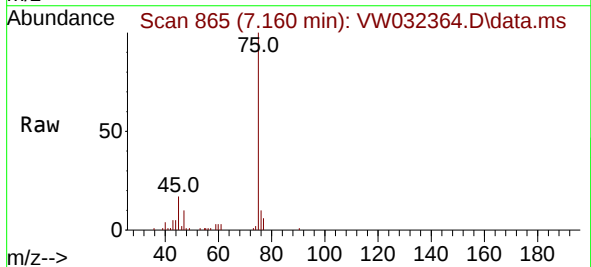
Instrument :
MSVOA_W
ClientSampleId :

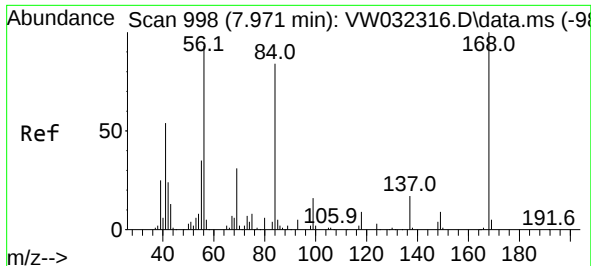
Tgt Ion: 43 Resp: 4603
Ion Ratio Lower Upper
43 100
74 22.9 20.2 30.4



#25
2-Butanone
Concen: 1.002 ug/l
RT: 7.160 min Scan# 865
Delta R.T. -0.031 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#

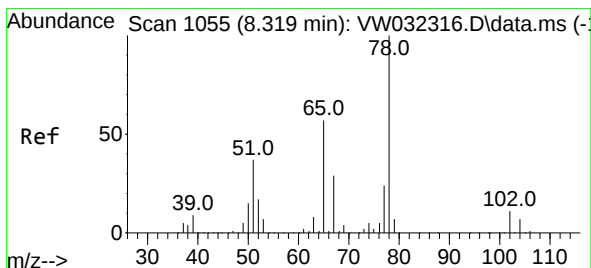
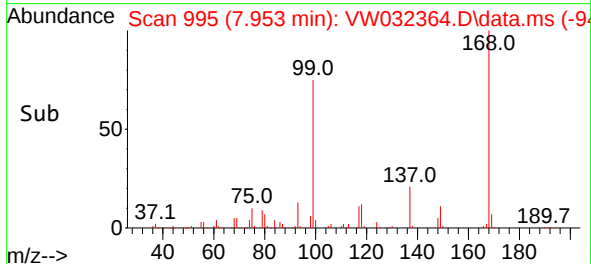
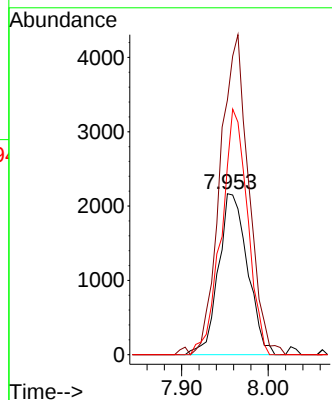
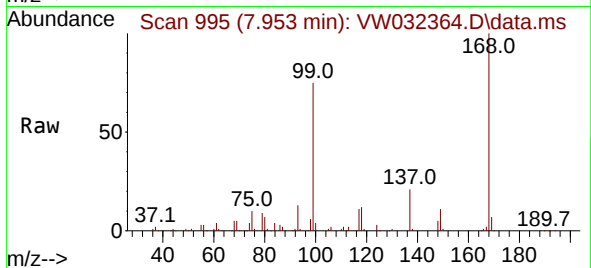




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.019 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

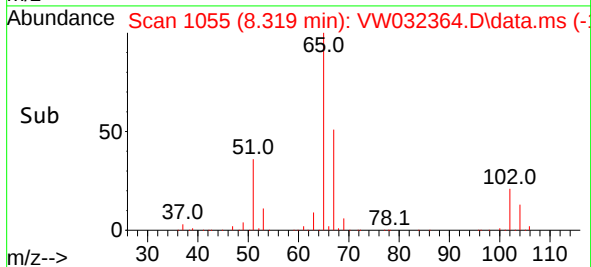
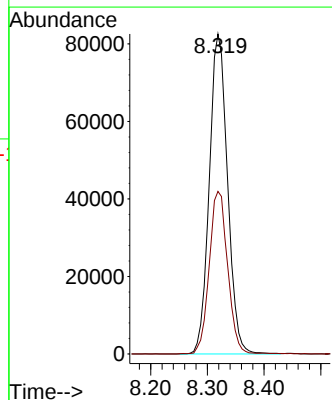
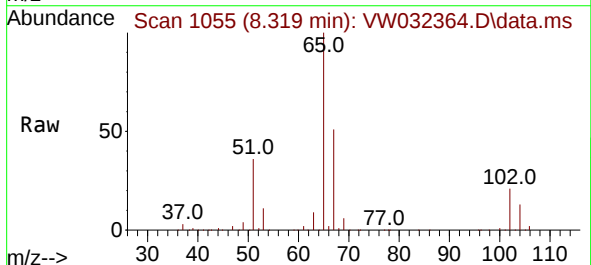
Instrument :
MSVOA_W
ClientSampleId :

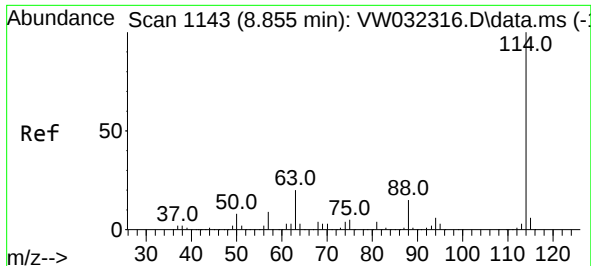
Tgt Ion: 56 Resp: 5042
Ion Ratio Lower Upper
56 100
69 155.2 27.7 41.5#
84 117.1 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 63.261 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

Tgt Ion: 65 Resp: 184347
Ion Ratio Lower Upper
65 100
67 51.5 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

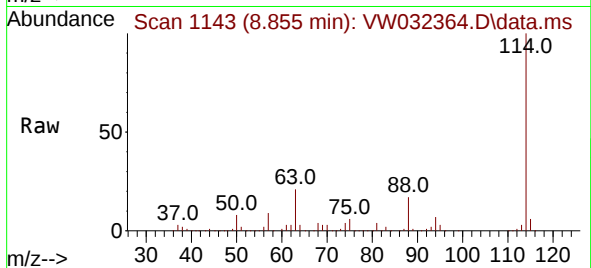
Lab File: VW032364.D

Acq: 06 Oct 2025 17:01

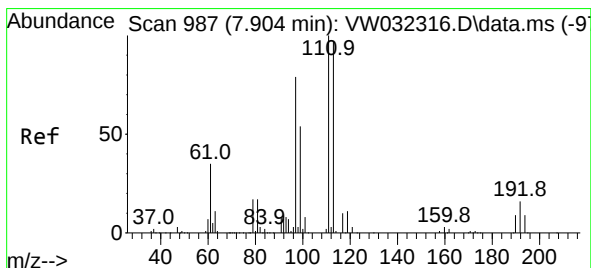
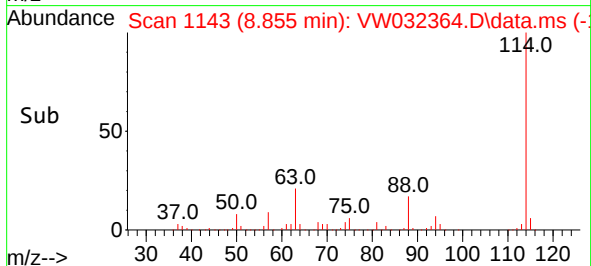
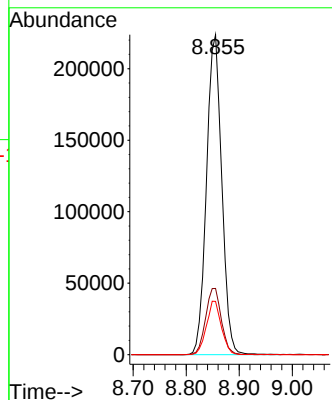
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:114	Resp: 446106
Ion Ratio	Lower Upper
114	100
63	20.7 0.0 40.4
88	16.7 0.0 32.0



#35

Dibromofluoromethane

Concen: 53.290 ug/l

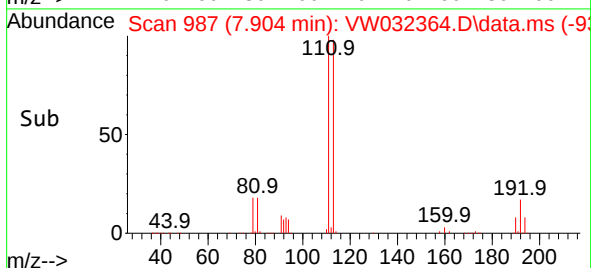
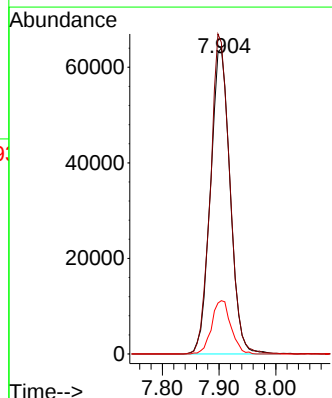
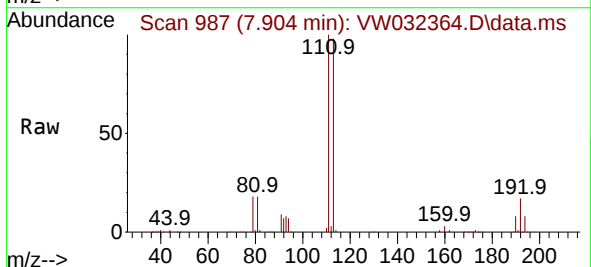
RT: 7.904 min Scan# 987

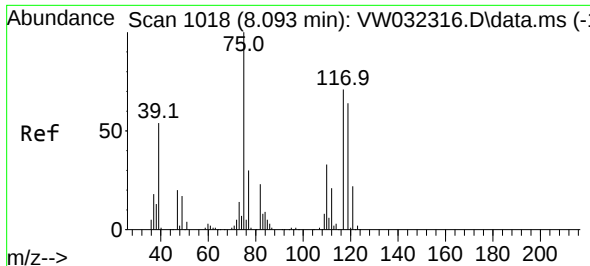
Delta R.T. -0.000 min

Lab File: VW032364.D

Acq: 06 Oct 2025 17:01

Tgt Ion:113	Resp: 153957
Ion Ratio	Lower Upper
113	100
111	102.7 83.9 125.9
192	17.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.607 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.135 min

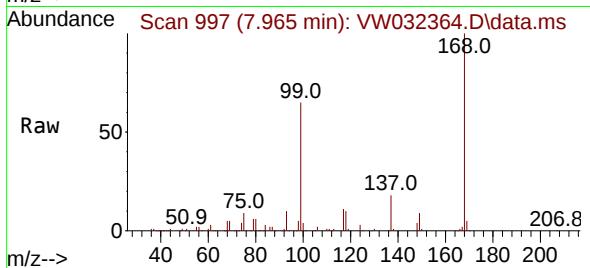
Lab File: VW032364.D

Acq: 06 Oct 2025 17:01

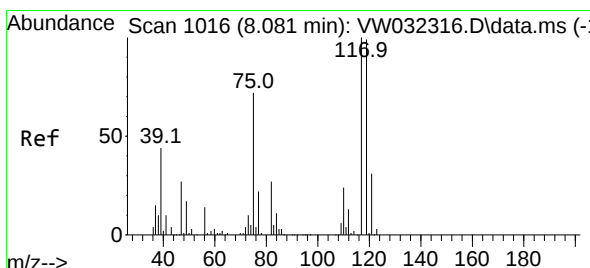
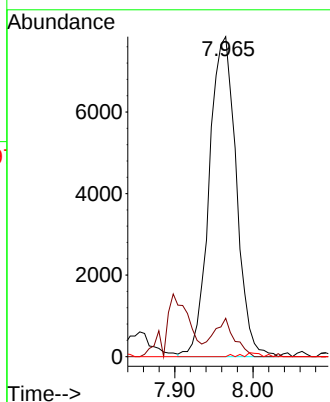
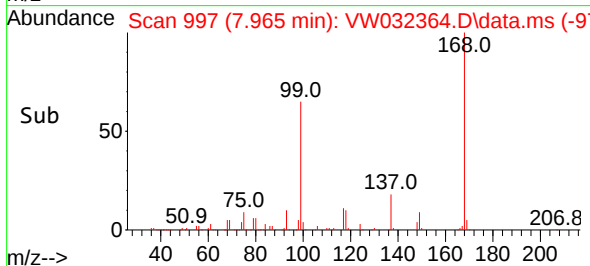
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	75	Resp:	18785
Ion Ratio	Lower	Upper	
75	100		
110	9.5	17.5	52.5#
77	0.1	24.1	36.1#



#38

Carbon Tetrachloride

Concen: 5.861 ug/l

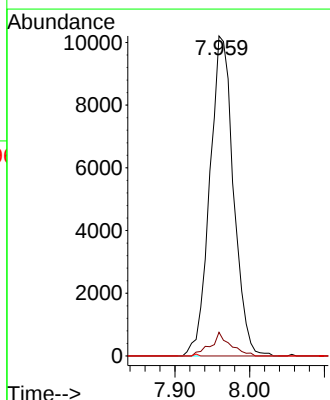
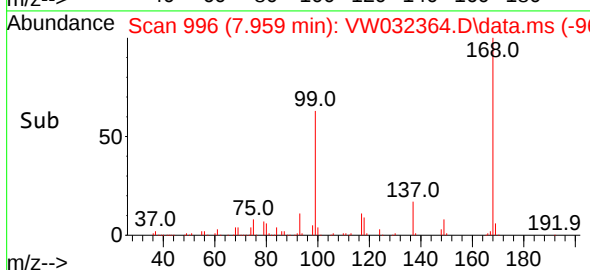
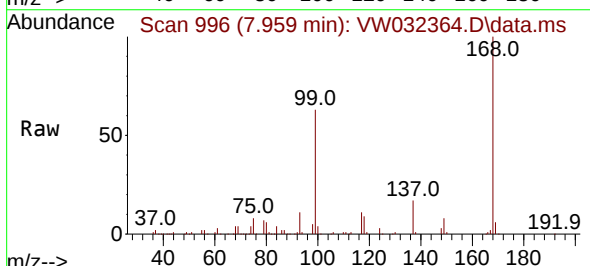
RT: 7.959 min Scan# 996

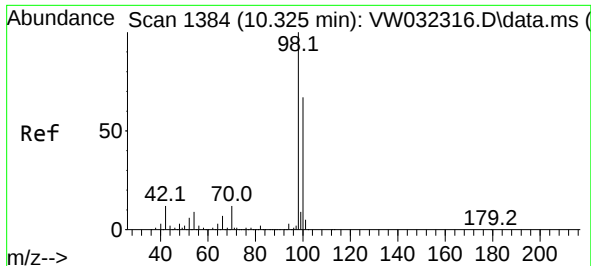
Delta R.T. -0.128 min

Lab File: VW032364.D

Acq: 06 Oct 2025 17:01

Tgt Ion:	117	Resp:	22487
Ion Ratio	Lower	Upper	
117	100		
119	7.4	74.2	111.2#
121	0.0	25.6	38.4#

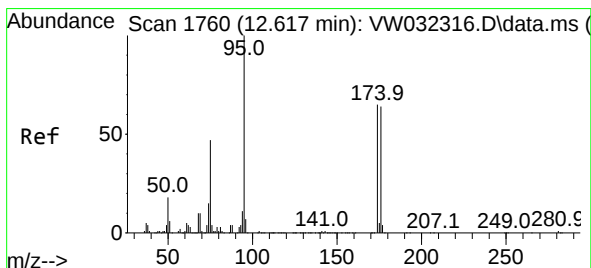
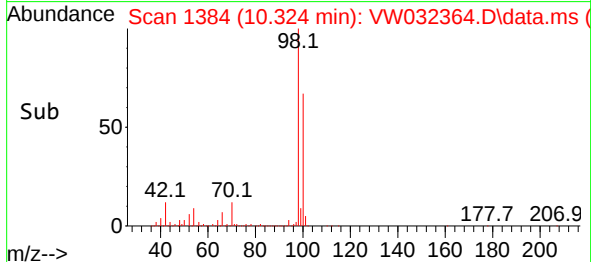
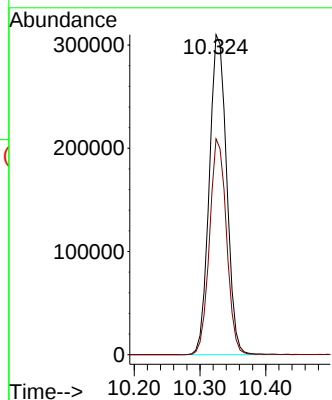
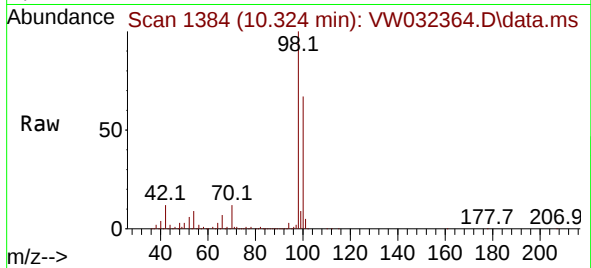




#50
Toluene-d8
Concen: 53.257 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

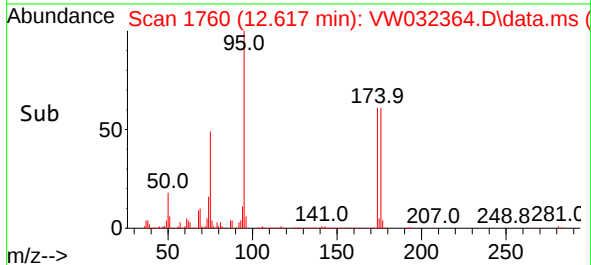
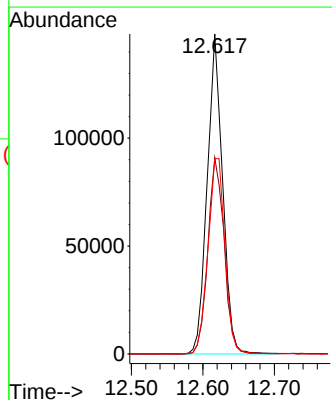
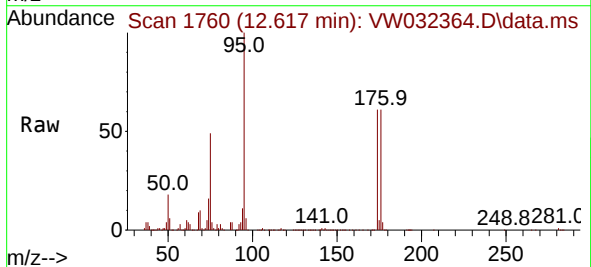
Instrument :
MSVOA_W
ClientSampleId :

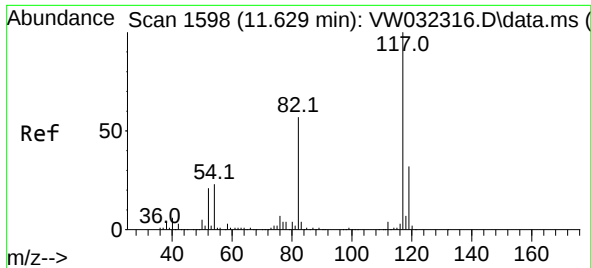
Tgt Ion: 98 Resp: 567868
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 55.135 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

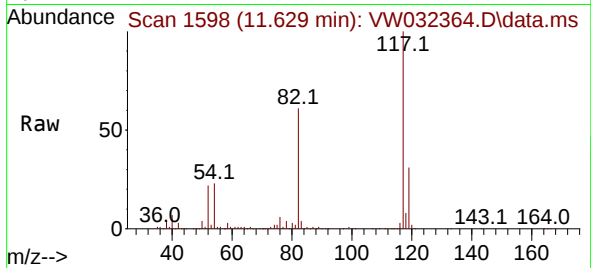
Tgt Ion: 95 Resp: 222204
Ion Ratio Lower Upper
95 100
174 64.9 0.0 145.6
176 67.4 0.0 140.8



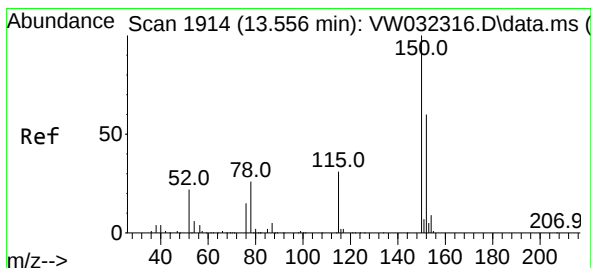
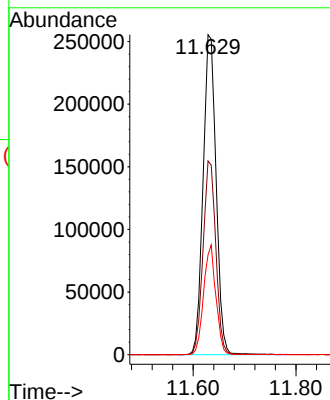
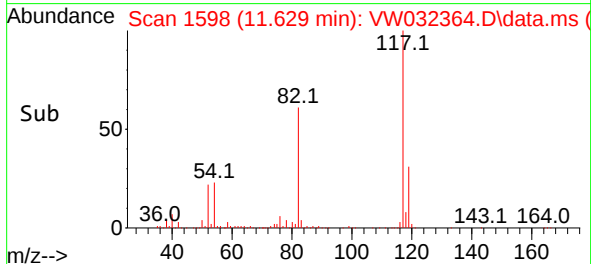


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

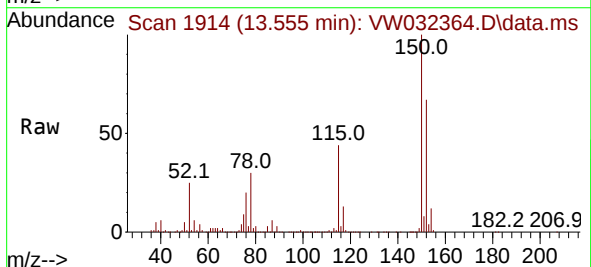
Instrument :
MSVOA_W
ClientSampleId :



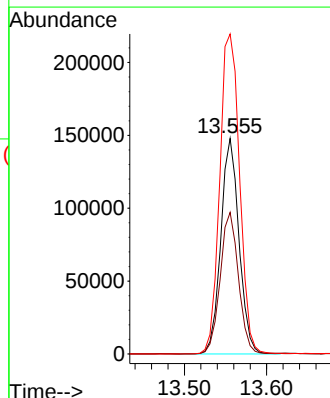
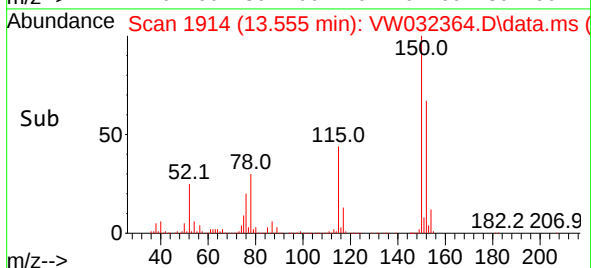
Tgt Ion:117 Resp: 448567
Ion Ratio Lower Upper
117 100
82 60.5 42.7 64.1
119 31.2 25.2 37.8

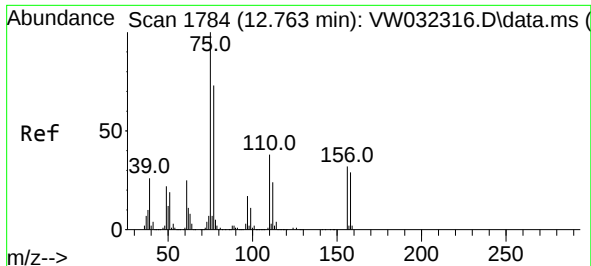


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01



Tgt Ion:152 Resp: 227759
Ion Ratio Lower Upper
152 100
115 66.1 31.8 95.4
150 162.0 0.0 343.0

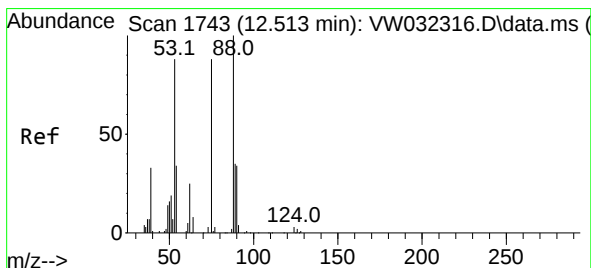
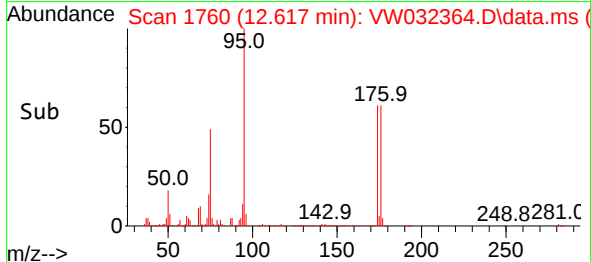
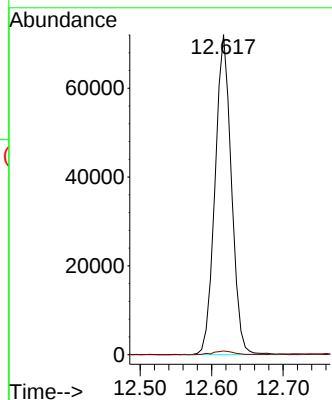
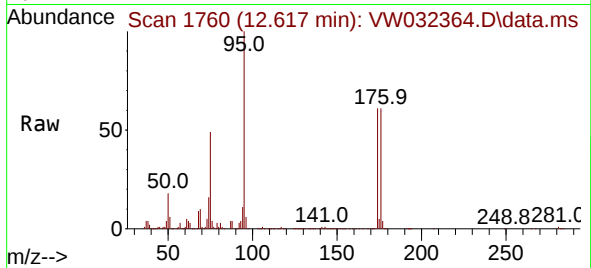




#76
1,2,3-Trichloropropane
Concen: 38.181 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 114435
Ion Ratio Lower Upper
75 100
77 1.5 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.722 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

Tgt Ion: 75 Resp: 114435
Ion Ratio Lower Upper
75 100
53 0.2 91.0 136.6#
89 0.0 39.4 59.2#

