

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032428.D
 Acq On : 11 Nov 2025 14:15
 Operator : SY/MD
 Sample : Q3586-02
 Misc : 7.66g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SED-2

Quant Time: Nov 12 03:49:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

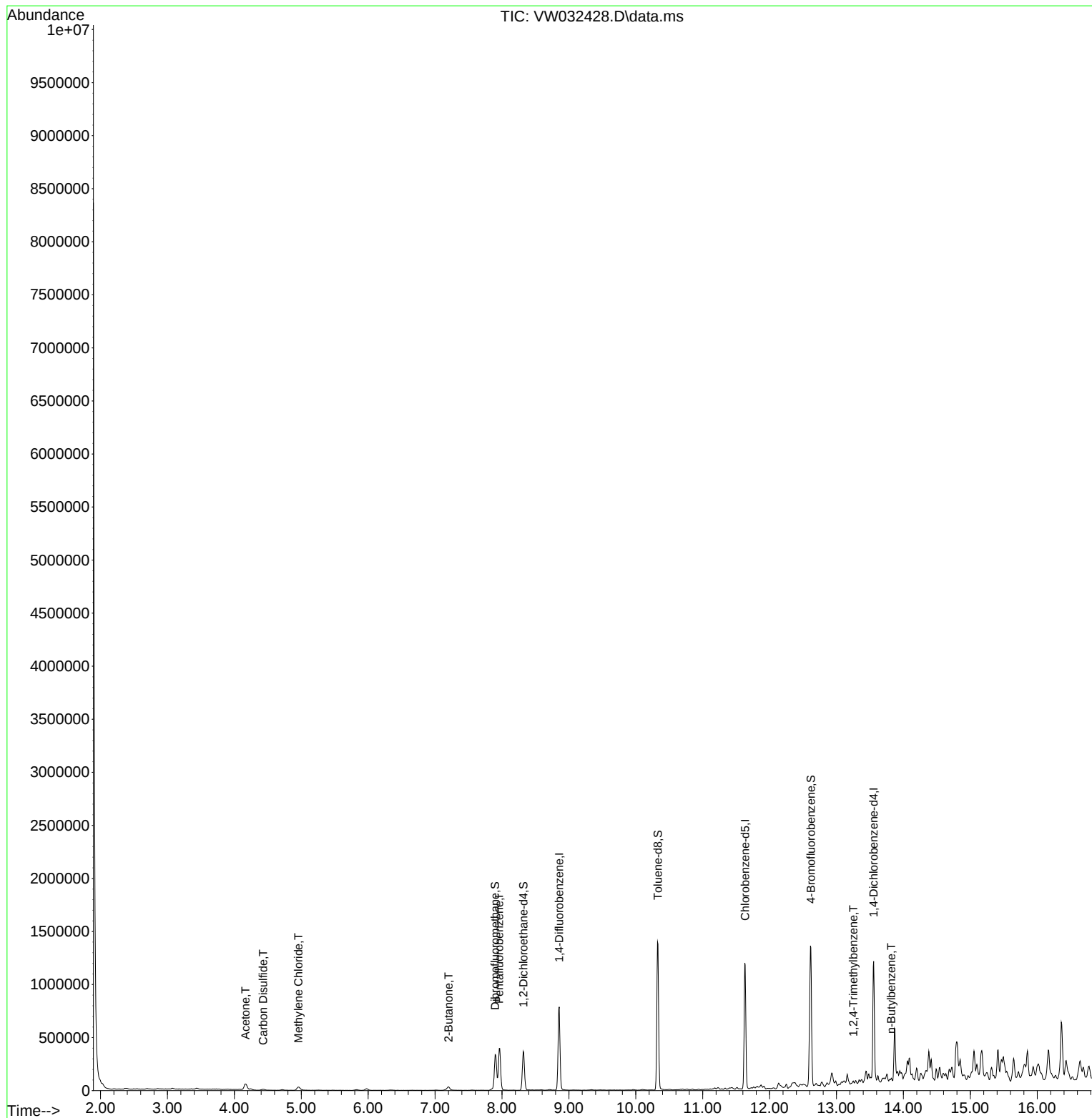
Internal Standards						
1) Pentafluorobenzene	7.959	168	283259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	670411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	673114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	275351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	294458	80.632	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 161.260%#		
35) Dibromofluoromethane	7.898	113	259724	64.706	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 129.420%		
50) Toluene-d8	10.331	98	957024	62.150	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 124.300%#		
62) 4-Bromofluorobenzene	12.617	95	393409	67.631	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 135.260%		
Target Compounds						
						Qvalue
16) Acetone	4.167	43	108416	99.232	ug/l	99
17) Carbon Disulfide	4.429	76	16719	1.858	ug/l	100
20) Methylene Chloride	4.960	84	26320	6.736	ug/l	91
25) 2-Butanone	7.203	43	53672	33.345	ug/l	99
84) 1,2,4-Trimethylbenzene	13.251	105	22246	1.311	ug/l	99
89) n-Butylbenzene	13.818	91	17808	1.021	ug/l #	77

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Quant Time: Nov 12 03:49:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

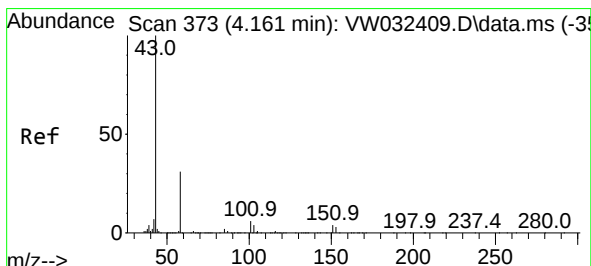
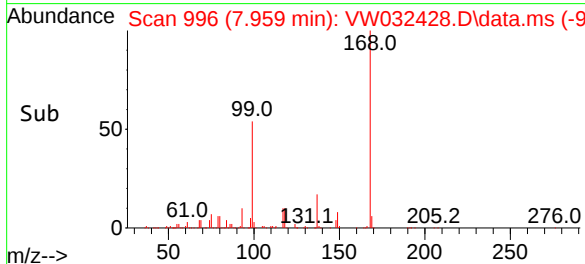
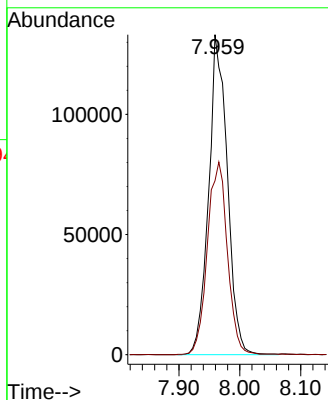
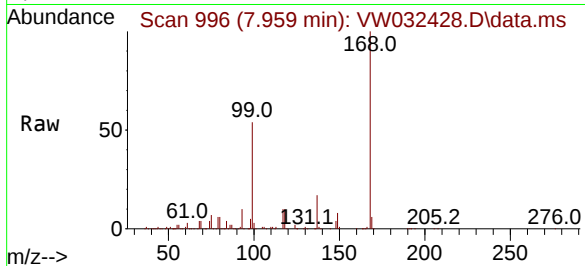




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

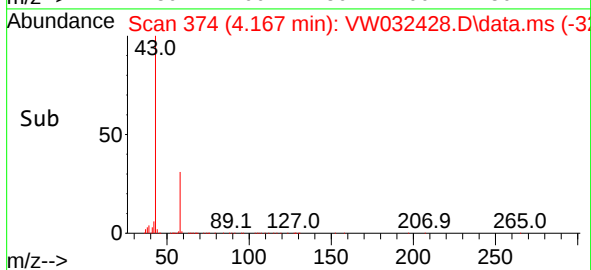
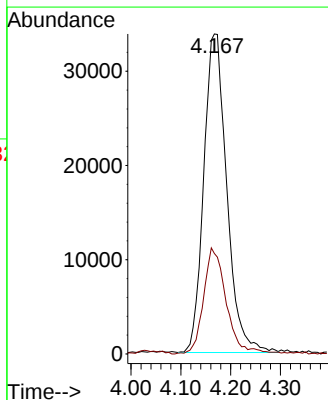
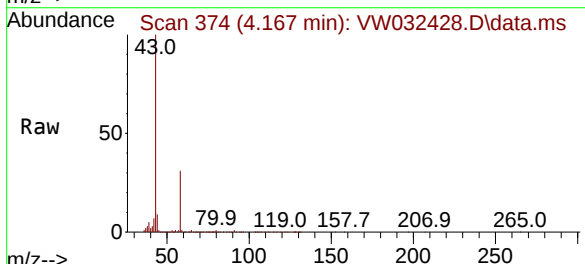
Instrument :
MSVOA_W
ClientSampleId :
SED-2

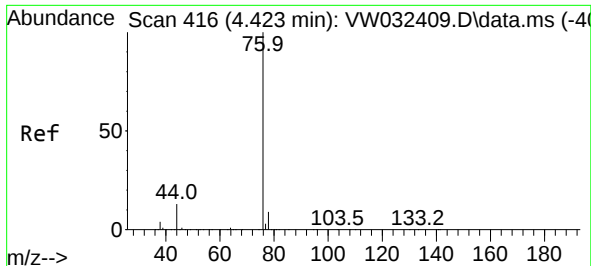
Tgt Ion:168 Resp: 283259
Ion Ratio Lower Upper
168 100
99 54.2 45.4 68.2



#16
Acetone
Concen: 99.232 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion: 43 Resp: 108416
Ion Ratio Lower Upper
43 100
58 31.3 24.8 37.2

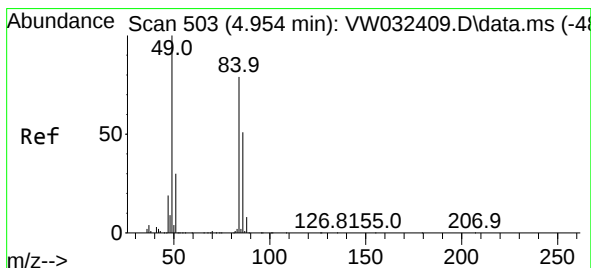
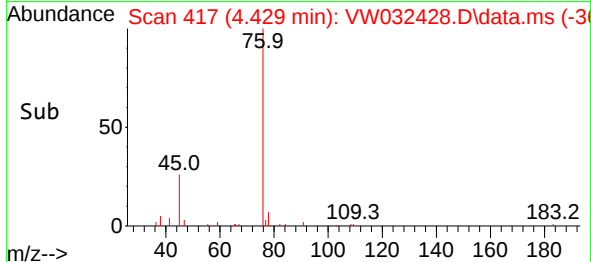
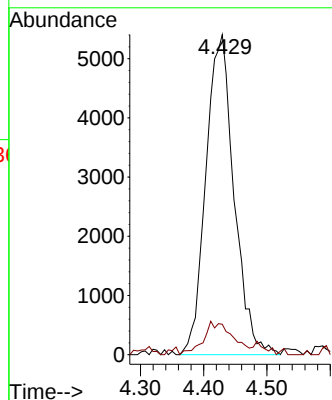
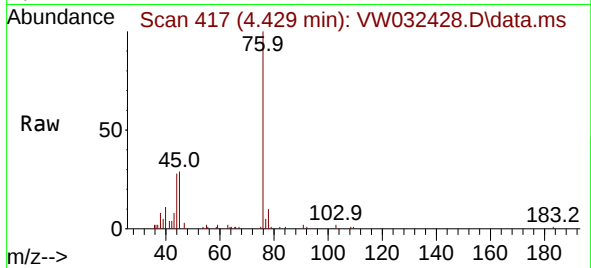




#17
Carbon Disulfide
Concen: 1.858 ug/l
RT: 4.429 min Scan# 416
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

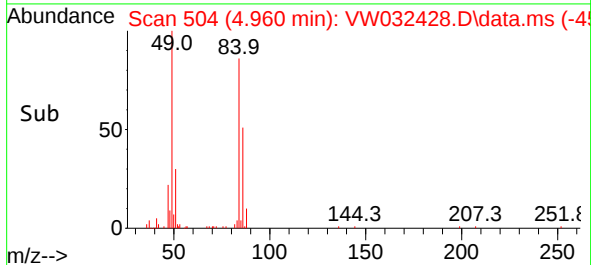
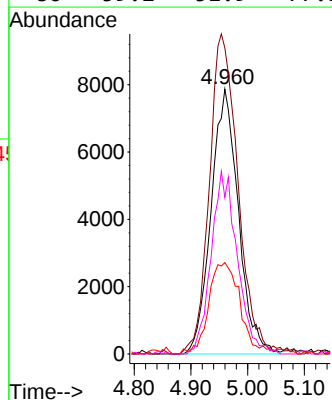
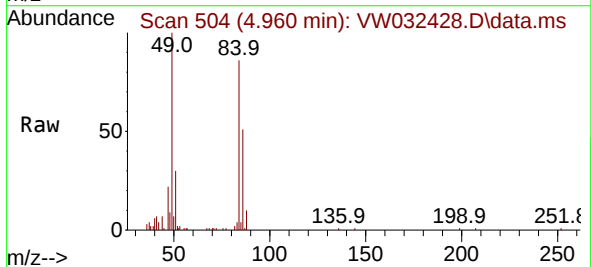
Instrument :
MSVOA_W
ClientSampleId :
SED-2

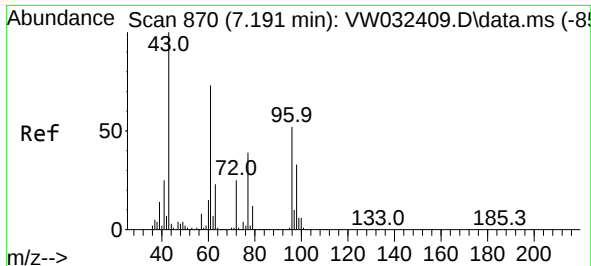
Tgt Ion: 76 Resp: 16719
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4



#20
Methylene Chloride
Concen: 6.736 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion: 84 Resp: 26320
Ion Ratio Lower Upper
84 100
49 115.6 101.5 152.3
51 34.5 30.6 46.0
86 59.2 51.9 77.9

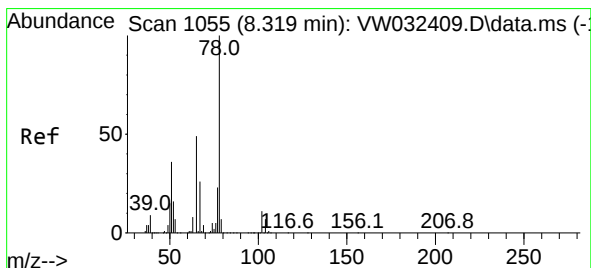
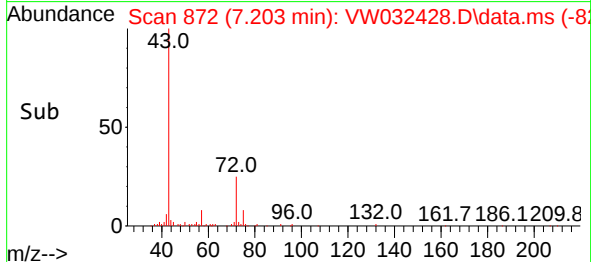
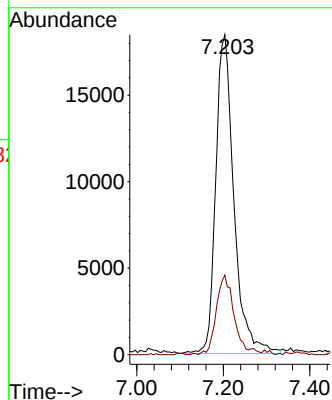
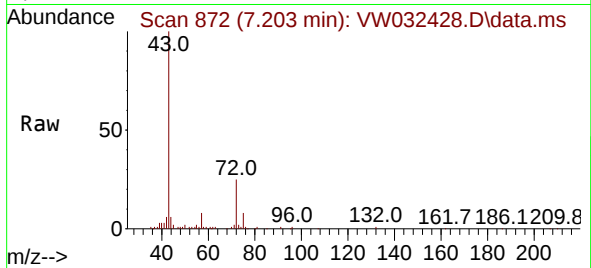




#25
2-Butanone
Concen: 33.345 ug/l
RT: 7.203 min Scan# 81
Delta R.T. 0.012 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

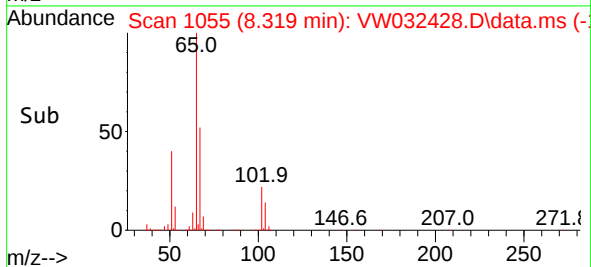
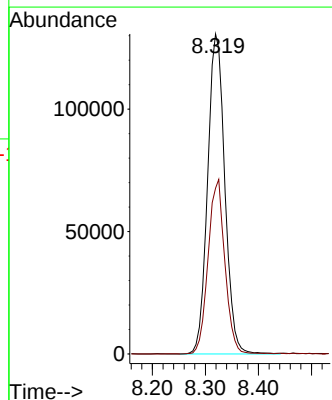
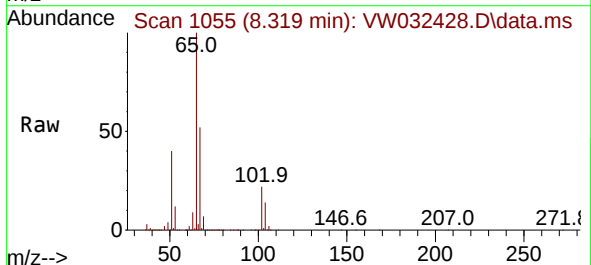
Instrument :
MSVOA_W
ClientSampleId :
SED-2

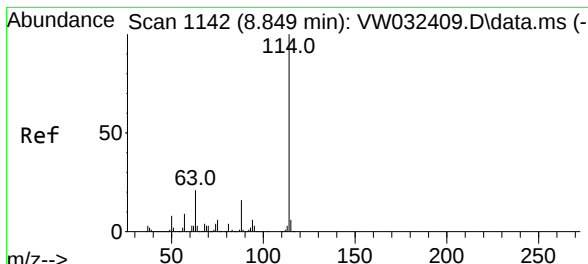
Tgt Ion: 43 Resp: 53672
Ion Ratio Lower Upper
43 100
72 24.5 20.0 30.0



#33
1,2-Dichloroethane-d4
Concen: 80.632 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion: 65 Resp: 294458
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8

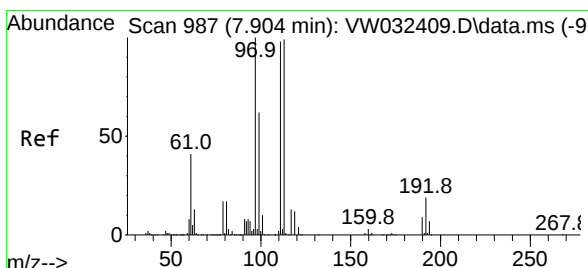
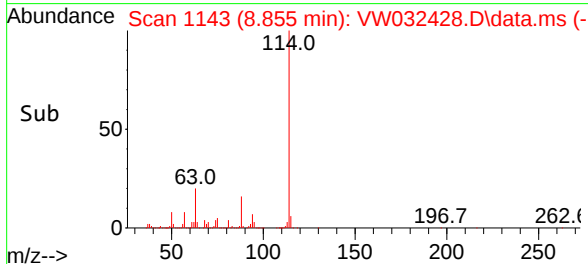
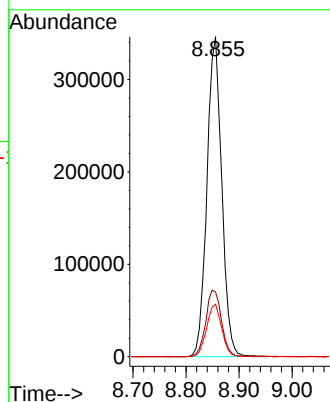
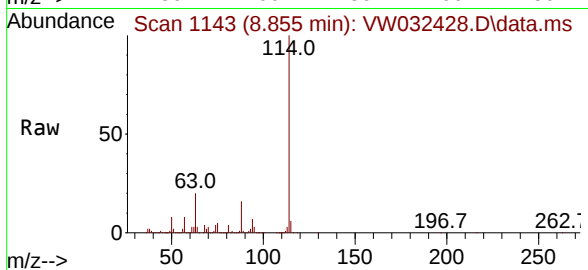




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032428.D
 Acq: 11 Nov 2025 14:15

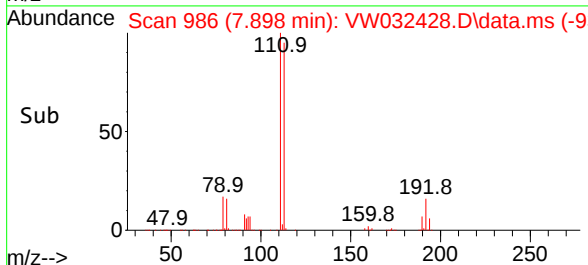
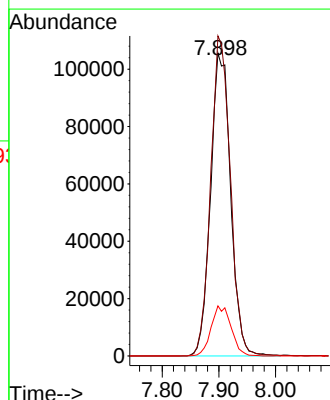
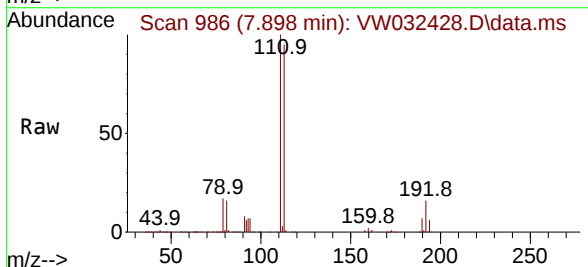
Instrument :
 MSVOA_W
 ClientSampleId :
 SED-2

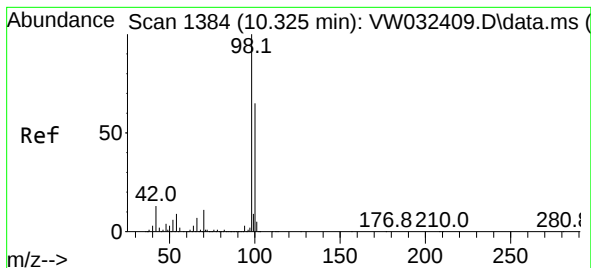
Tgt Ion:	114	Resp:	670411
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.8
88	16.4	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 64.706 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032428.D
 Acq: 11 Nov 2025 14:15

Tgt Ion:	113	Resp:	259724
Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.1	124.7
192	16.5	13.4	20.2





#50

Toluene-d8

Concen: 62.150 ug/l

RT: 10.331 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032428.D

Acq: 11 Nov 2025 14:15

Instrument :

MSVOA_W

ClientSampleId :

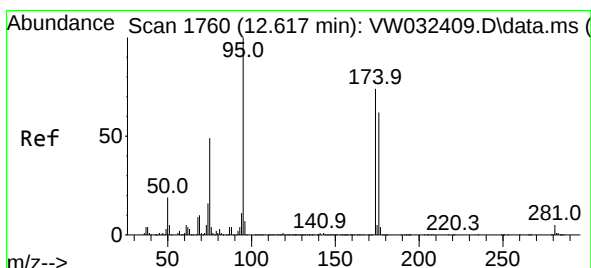
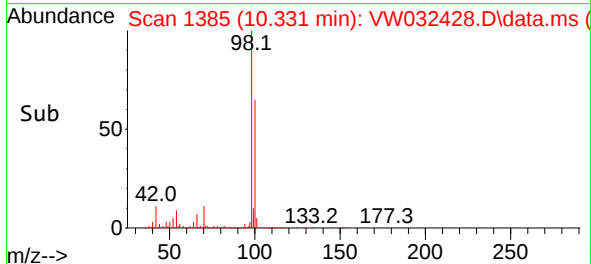
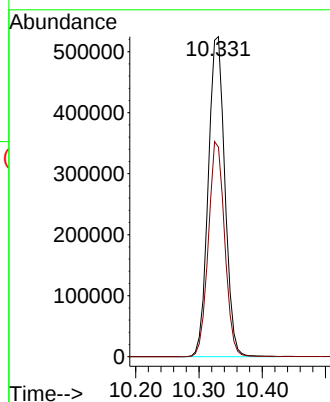
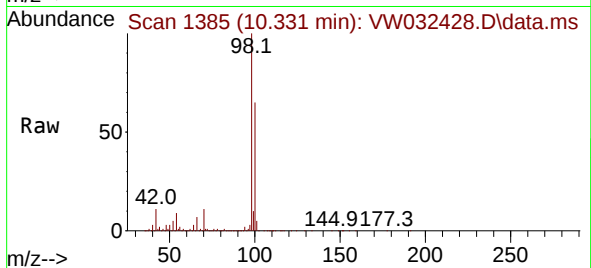
SED-2

Tgt Ion: 98 Resp: 957024

Ion Ratio Lower Upper

98 100

100 66.0 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 67.631 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW032428.D

Acq: 11 Nov 2025 14:15

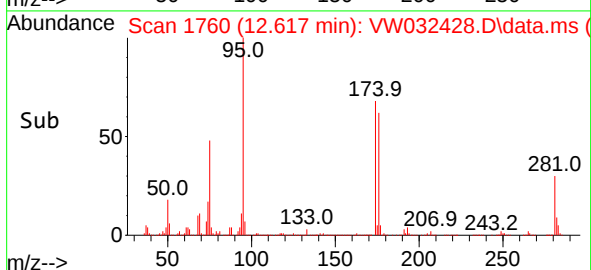
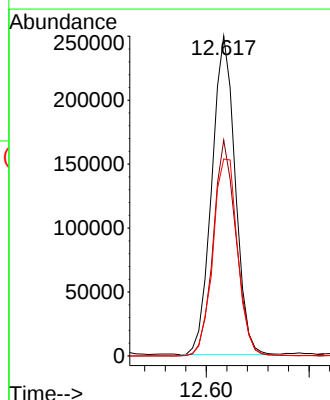
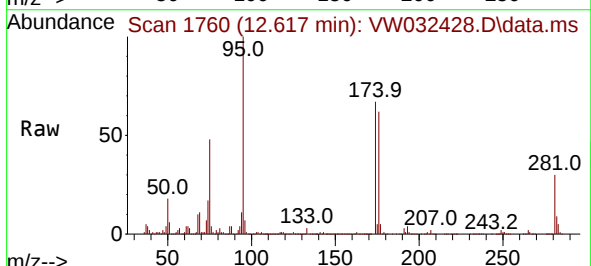
Tgt Ion: 95 Resp: 393409

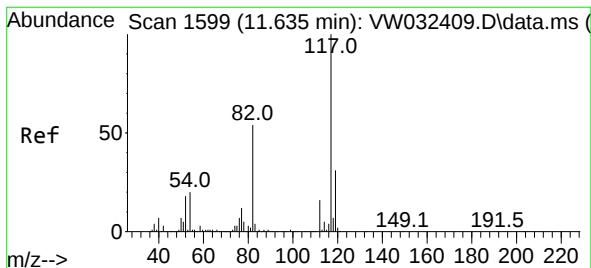
Ion Ratio Lower Upper

95 100

174 66.4 0.0 135.4

176 65.4 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032428.D

Acq: 11 Nov 2025 14:15

Instrument :

MSVOA_W

ClientSampleId :

SED-2

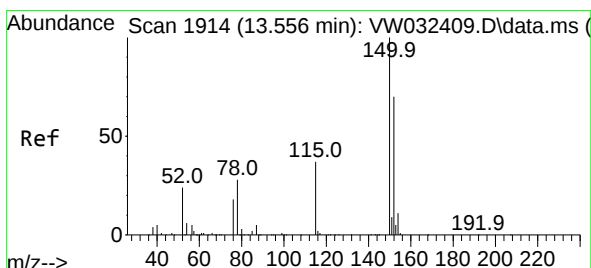
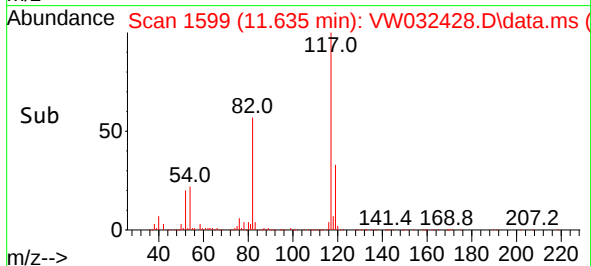
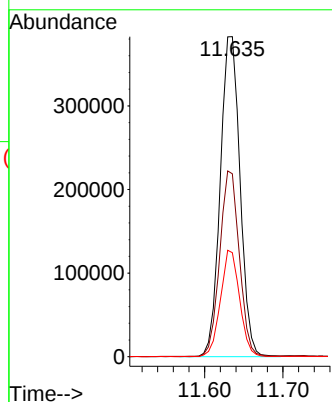
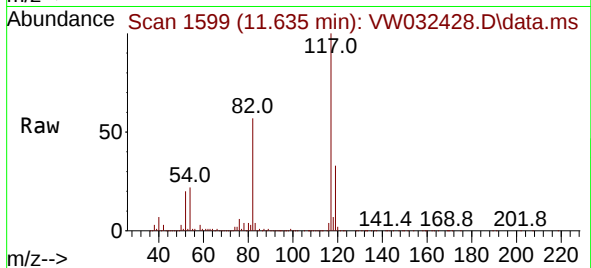
Tgt Ion:117 Resp: 673114

Ion Ratio Lower Upper

117 100

82 57.1 43.0 64.4

119 32.5 25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032428.D

Acq: 11 Nov 2025 14:15

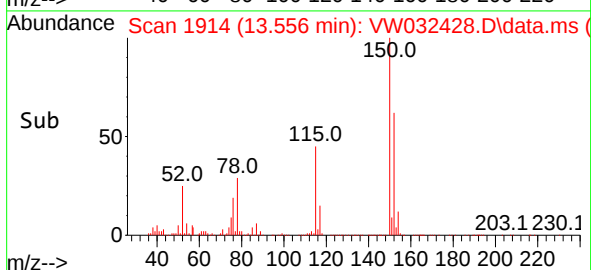
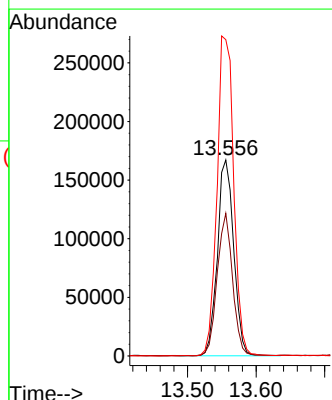
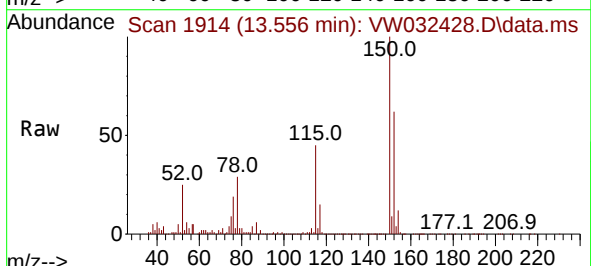
Tgt Ion:152 Resp: 275351

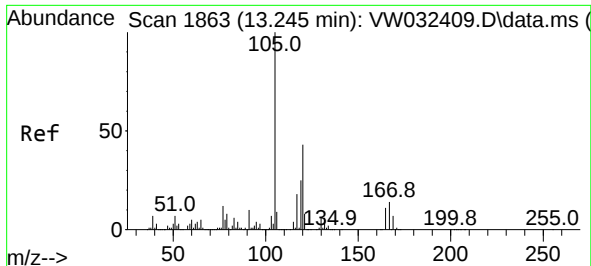
Ion Ratio Lower Upper

152 100

115 68.3 32.8 98.3

150 167.0 0.0 356.6

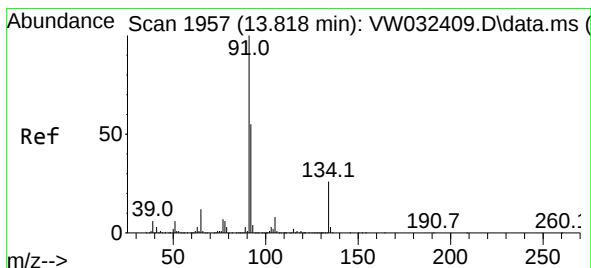
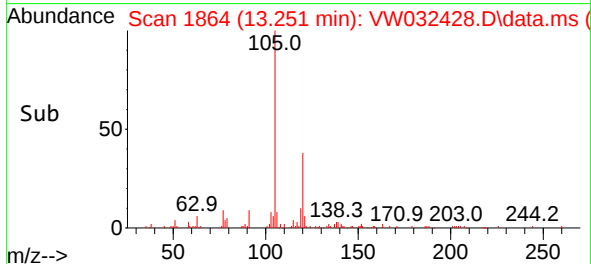
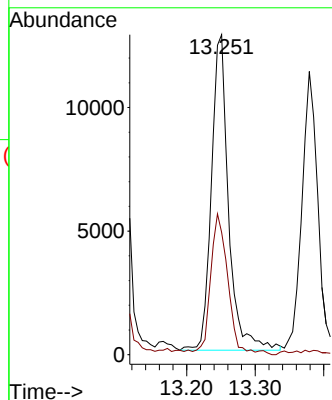
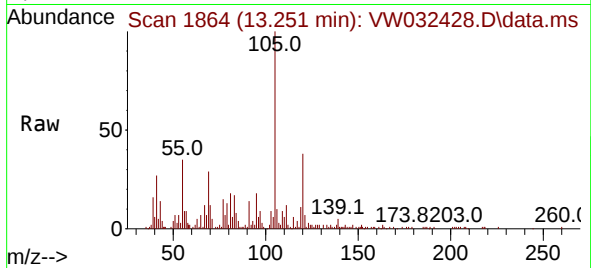




#84
1,2,4-Trimethylbenzene
Concen: 1.311 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Tgt Ion:105 Resp: 22246
Ion Ratio Lower Upper
105 100
120 45.1 22.1 66.5



#89
n-Butylbenzene
Concen: 1.021 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion: 91 Resp: 17808
Ion Ratio Lower Upper
91 100
92 47.4 27.4 82.2
134 0.0 12.4 37.4#

