

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
 Data File : VW032031.D
 Acq On : 06 Aug 2025 16:12
 Operator : SY/MD
 Sample : Q2779-03
 Misc : 4.27g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-VOC

Quant Time: Aug 07 02:20:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

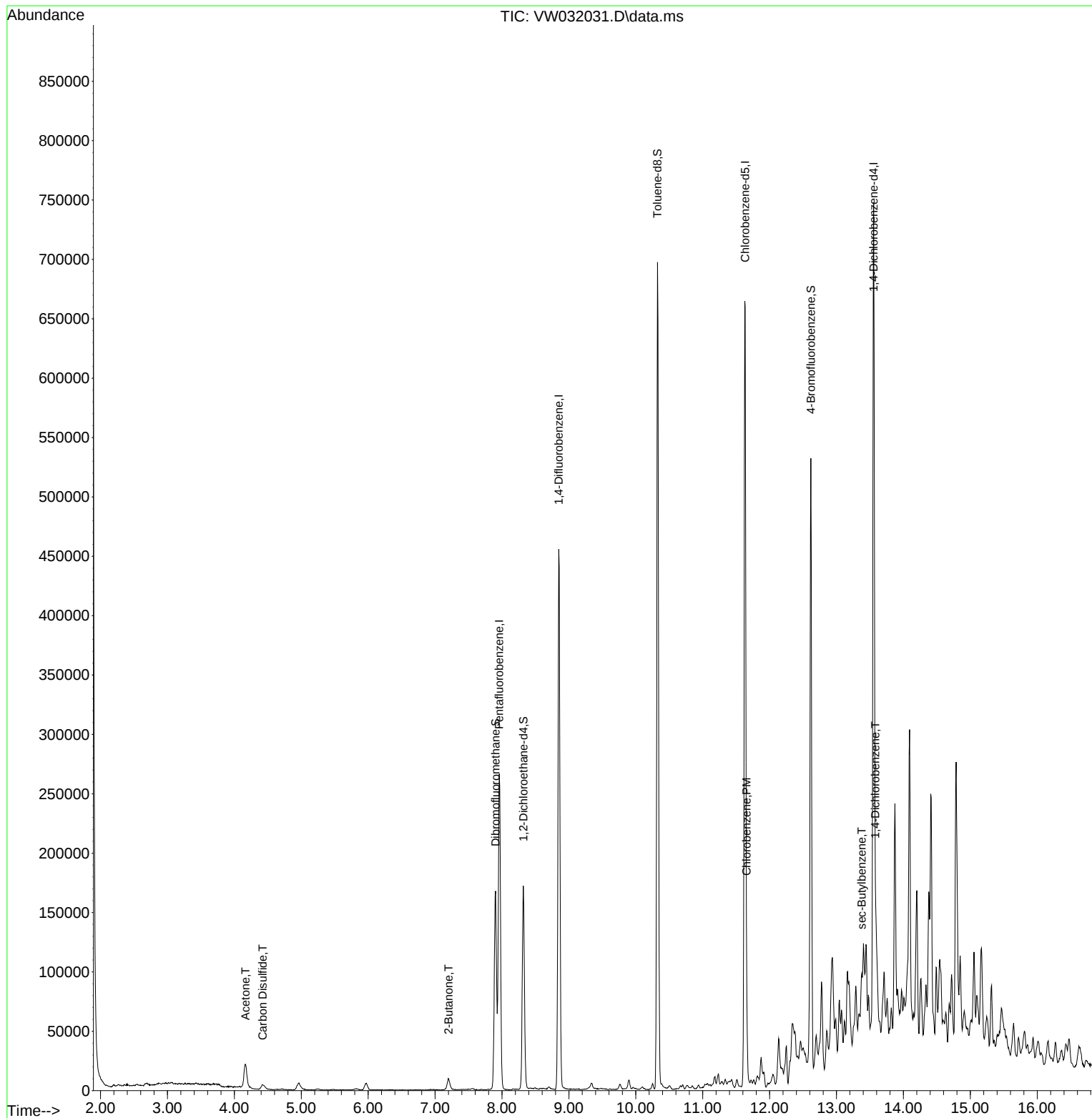
Internal Standards						
1) Pentafluorobenzene	7.959	168	191682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	390651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	371900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	184189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	142062	48.993	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	97.980%
35) Dibromofluoromethane	7.904	113	124249	46.806	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	93.620%
50) Toluene-d8	10.325	98	463291	46.114	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.220%
62) 4-Bromofluorobenzene	12.617	95	184454	47.815	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.620%
Target Compounds						
					Qvalue	
16) Acetone	4.167	43	38530	55.997	ug/l	97
17) Carbon Disulfide	4.423	76	8998	1.357	ug/l	96
25) 2-Butanone	7.203	43	15619	16.591	ug/l	96
65) Chlorobenzene	11.654	112	24487	2.690	ug/l	98
85) sec-Butylbenzene	13.379	105	21671	1.264	ug/l #	64
88) 1,4-Dichlorobenzene	13.580	146	21892	3.105	ug/l #	83

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
Data File : VW032031.D
Acq On : 06 Aug 2025 16:12
Operator : SY/MD
Sample : Q2779-03
Misc : 4.27g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

Quant Time: Aug 07 02:20:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

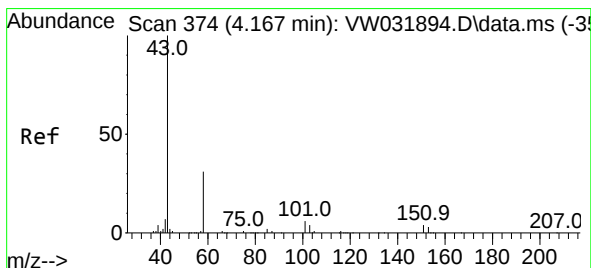
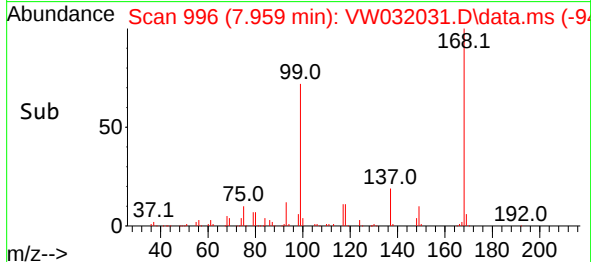
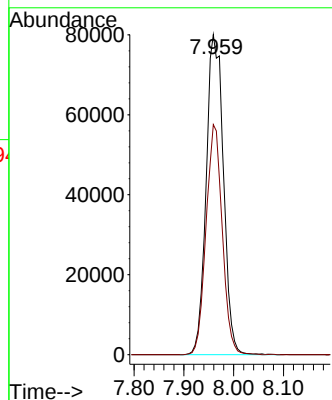
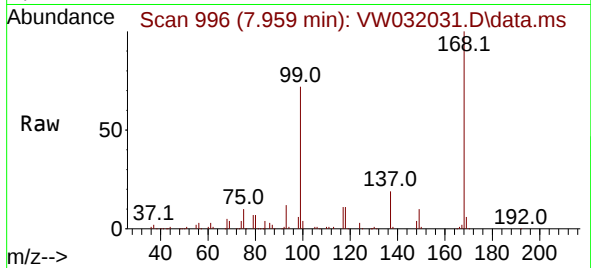




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032031.D
Acq: 06 Aug 2025 16:12

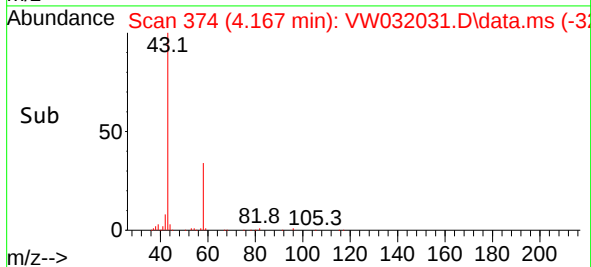
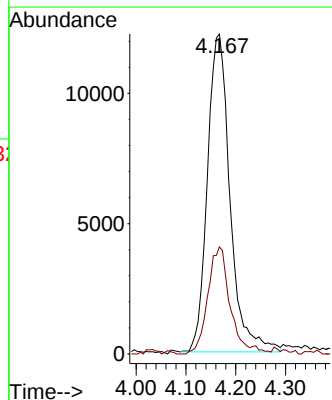
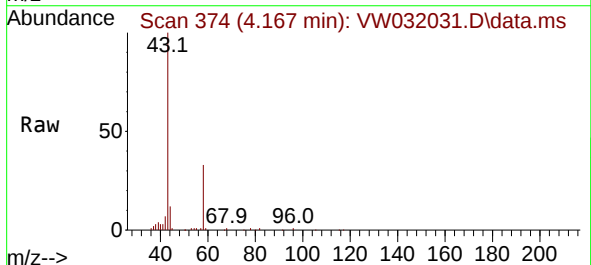
Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

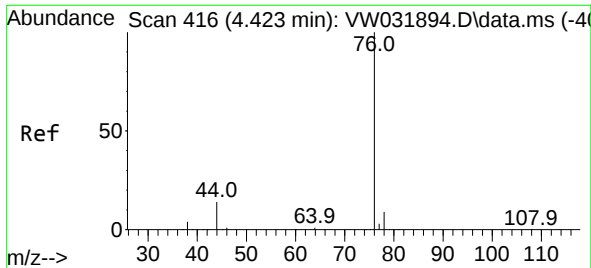
Tgt Ion:168 Resp: 191682
Ion Ratio Lower Upper
168 100
99 71.9 48.2 72.2



#16
Acetone
Concen: 55.997 ug/l
RT: 4.167 min Scan# 374
Delta R.T. -0.000 min
Lab File: VW032031.D
Acq: 06 Aug 2025 16:12

Tgt Ion: 43 Resp: 38530
Ion Ratio Lower Upper
43 100
58 33.7 25.5 38.3

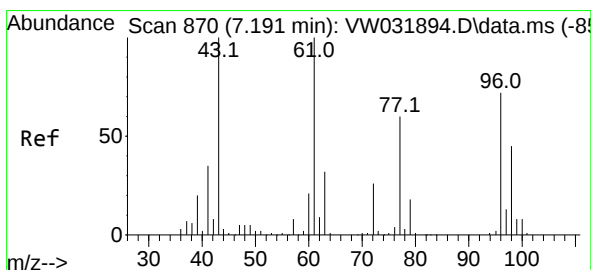
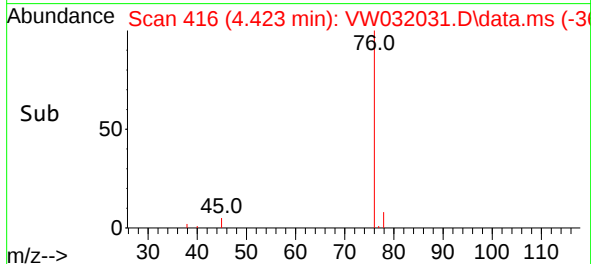
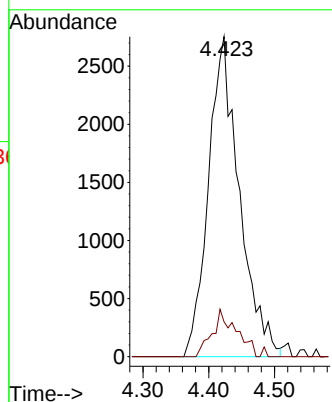
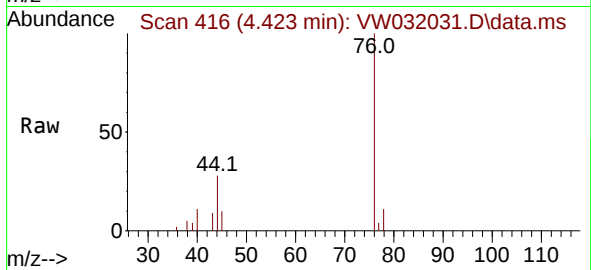




#17
Carbon Disulfide
Concen: 1.357 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032031.D
Acq: 06 Aug 2025 16:12

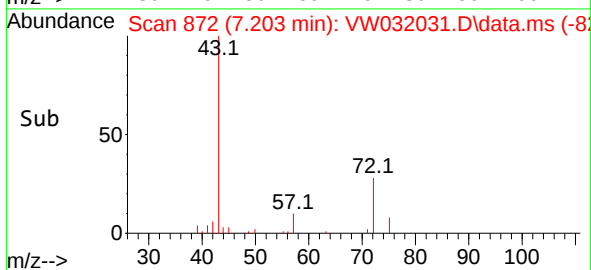
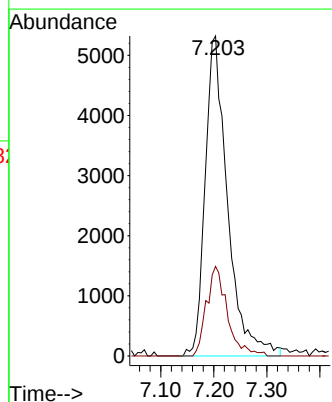
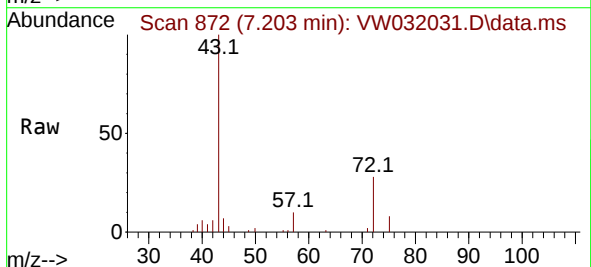
Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

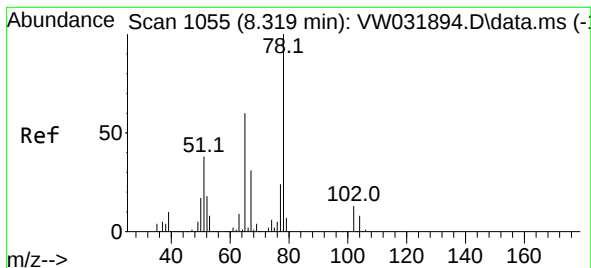
Tgt Ion: 76 Resp: 8998
Ion Ratio Lower Upper
76 100
78 10.9 7.5 11.3



#25
2-Butanone
Concen: 16.591 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW032031.D
Acq: 06 Aug 2025 16:12

Tgt Ion: 43 Resp: 15619
Ion Ratio Lower Upper
43 100
72 28.0 20.8 31.2





#33

1,2-Dichloroethane-d4

Concen: 48.993 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032031.D

Acq: 06 Aug 2025 16:12

Instrument :

MSVOA_W

ClientSampleId :

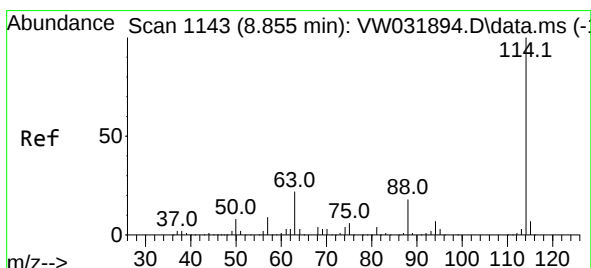
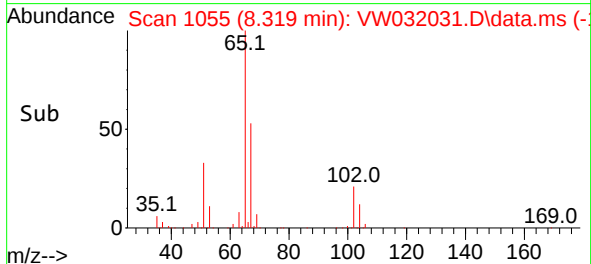
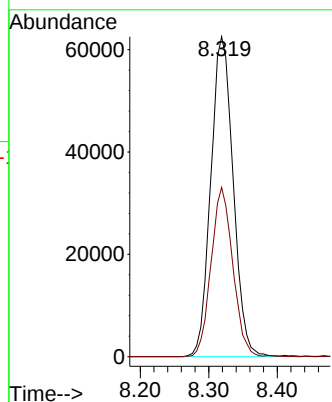
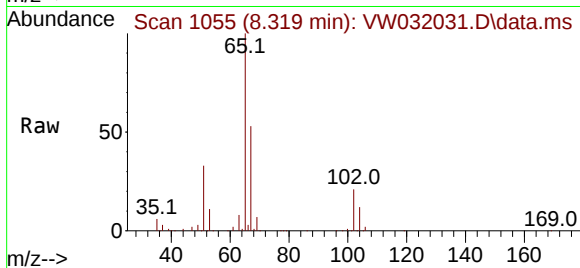
TP-4-VOC

Tgt Ion: 65 Resp: 142062

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032031.D

Acq: 06 Aug 2025 16:12

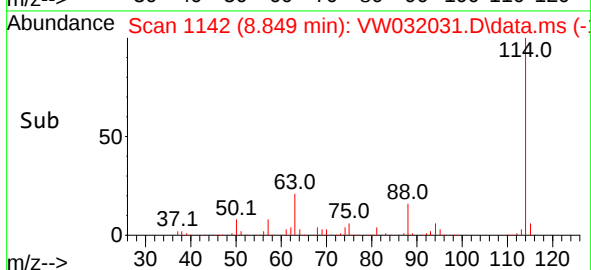
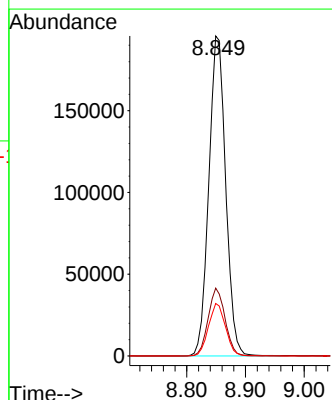
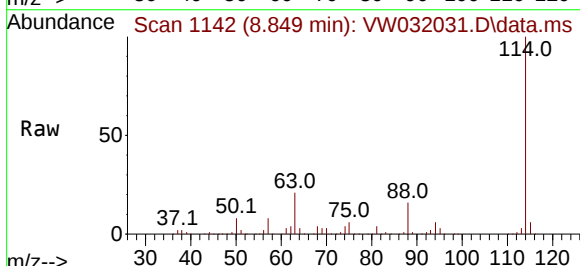
Tgt Ion: 114 Resp: 390651

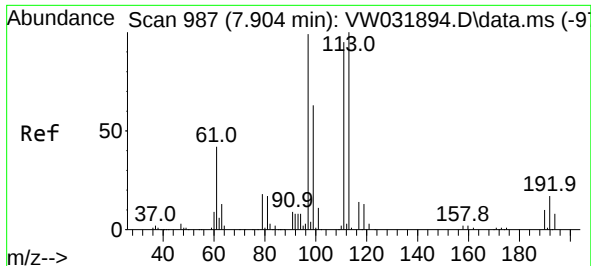
Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.2

88 16.4 0.0 35.6

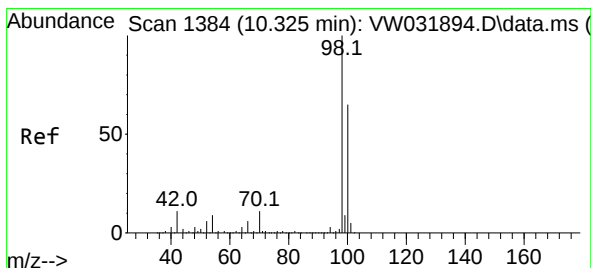
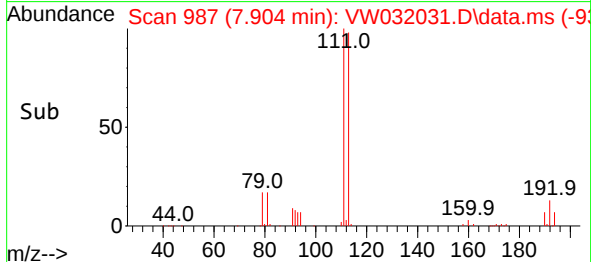
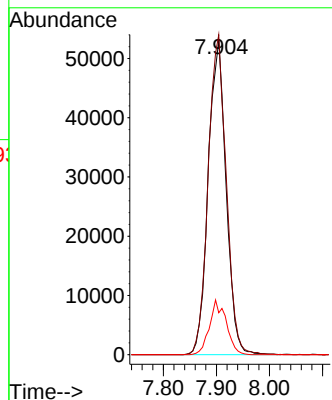
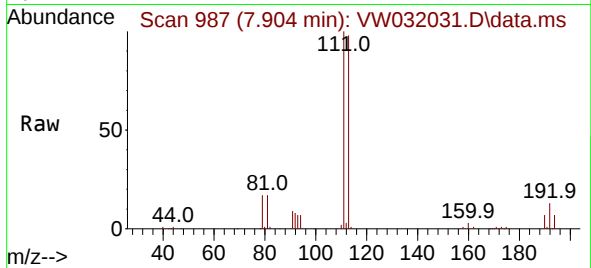




#35
 Dibromofluoromethane
 Concen: 46.806 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VW032031.D
 Acq: 06 Aug 2025 16:12

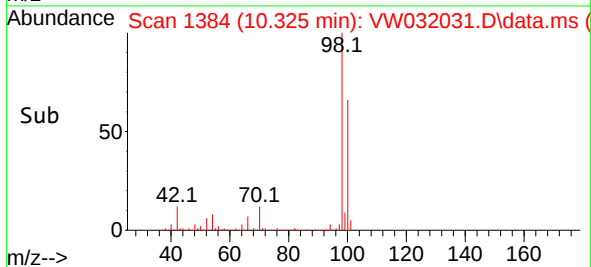
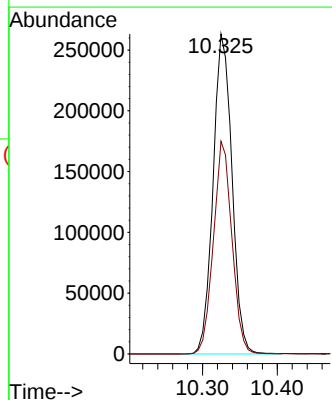
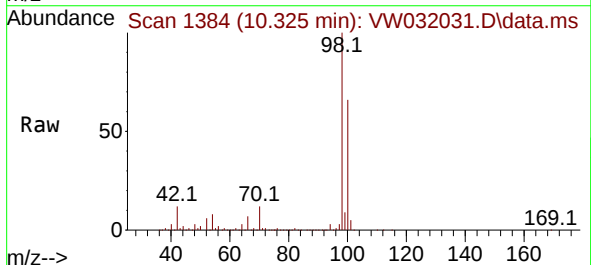
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-VOC

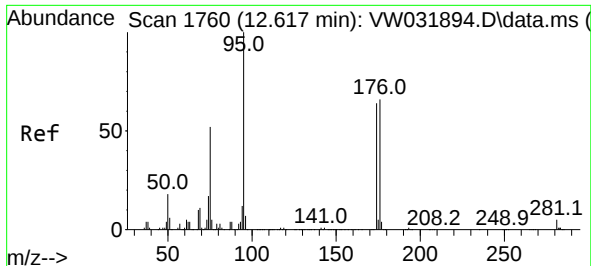
Tgt Ion:113 Resp: 124249
 Ion Ratio Lower Upper
 113 100
 111 102.9 79.9 119.9
 192 16.4 12.6 19.0



#50
 Toluene-d8
 Concen: 46.114 ug/l
 RT: 10.325 min Scan# 1384
 Delta R.T. -0.000 min
 Lab File: VW032031.D
 Acq: 06 Aug 2025 16:12

Tgt Ion: 98 Resp: 463291
 Ion Ratio Lower Upper
 98 100
 100 65.1 51.7 77.5

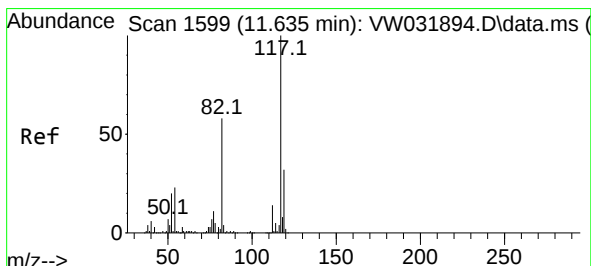
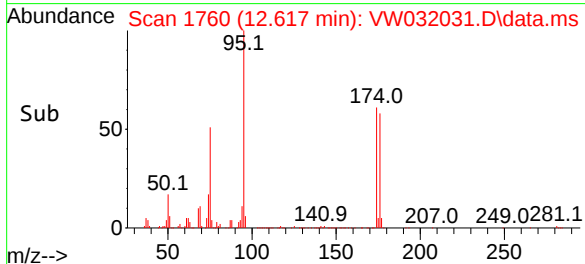
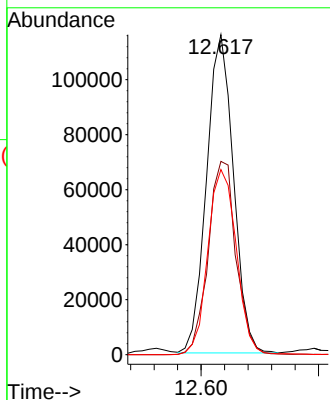
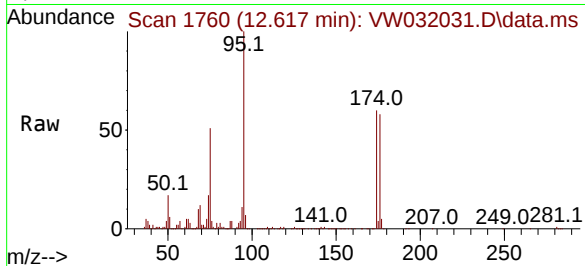




#62
4-Bromofluorobenzene
Concen: 47.815 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032031.D
Acq: 06 Aug 2025 16:12

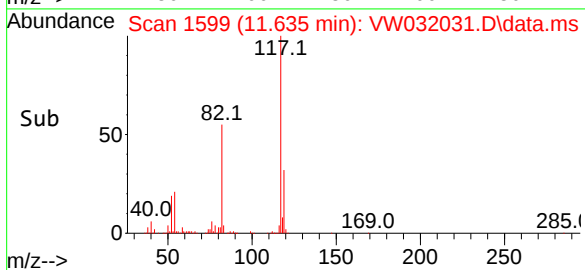
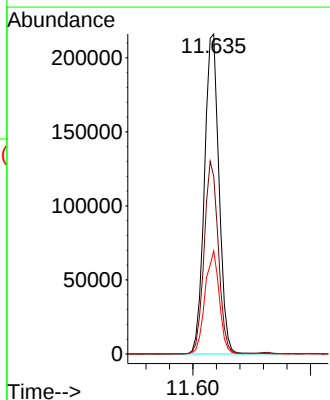
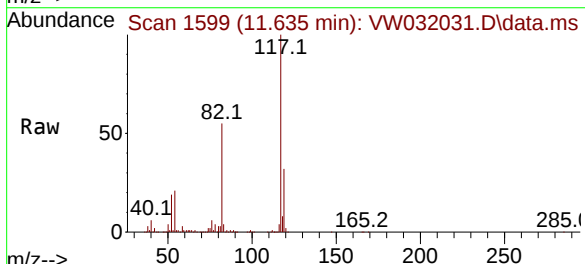
Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

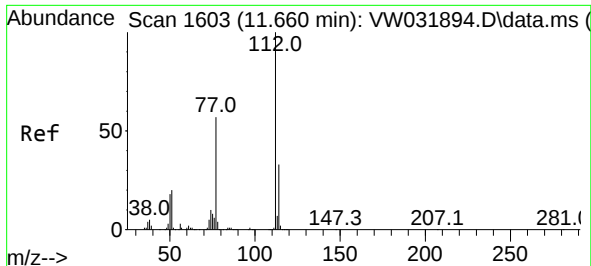
Tgt Ion: 95 Resp: 184454
Ion Ratio Lower Upper
95 100
174 63.1 0.0 129.8
176 61.7 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW032031.D
Acq: 06 Aug 2025 16:12

Tgt Ion: 117 Resp: 371900
Ion Ratio Lower Upper
117 100
82 55.4 46.5 69.7
119 32.1 25.8 38.6

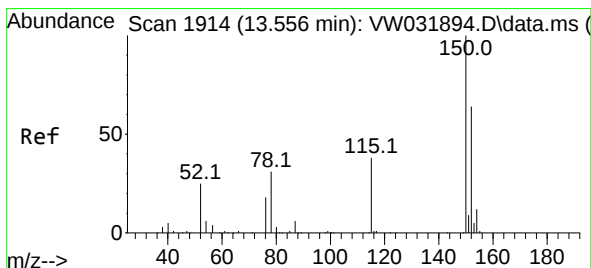
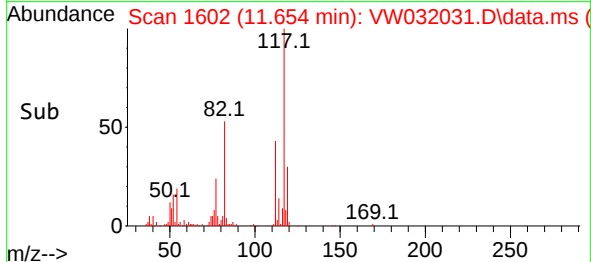
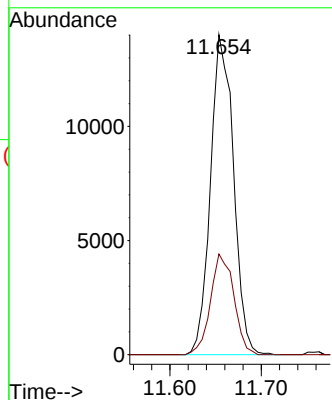
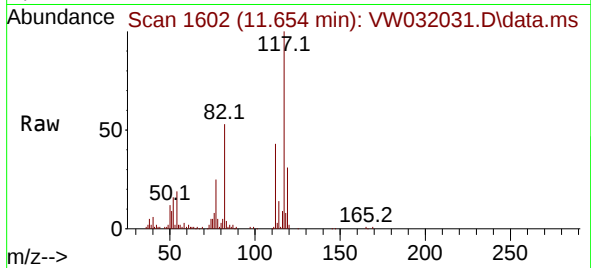




#65
Chlorobenzene
Concen: 2.690 ug/l
RT: 11.654 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032031.D
Acq: 06 Aug 2025 16:12

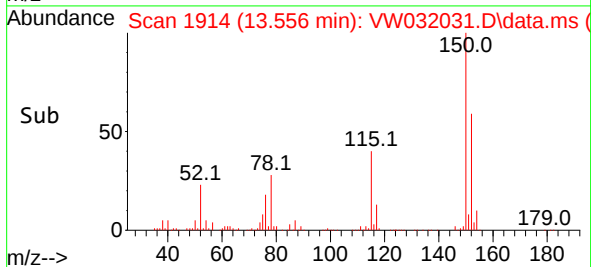
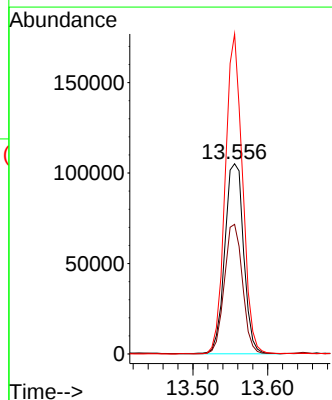
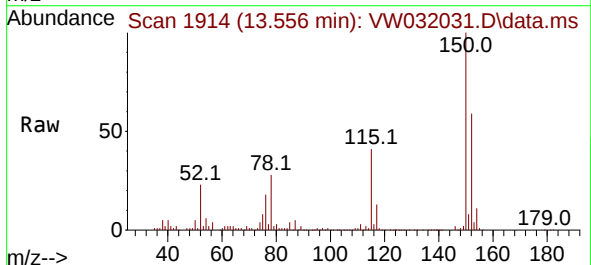
Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

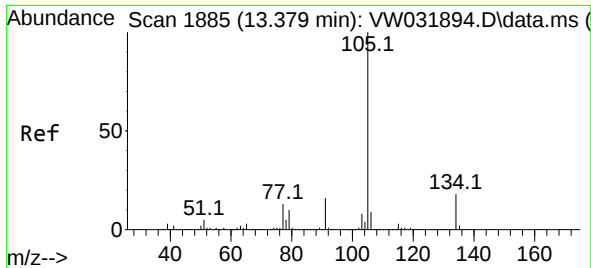
Tgt Ion:112 Resp: 24487
Ion Ratio Lower Upper
112 100
114 31.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032031.D
Acq: 06 Aug 2025 16:12

Tgt Ion:152 Resp: 184189
Ion Ratio Lower Upper
152 100
115 65.4 33.4 100.1
150 154.7 0.0 352.2

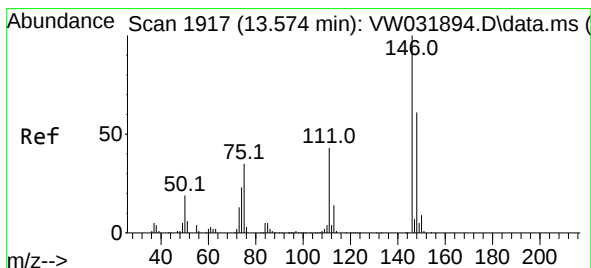
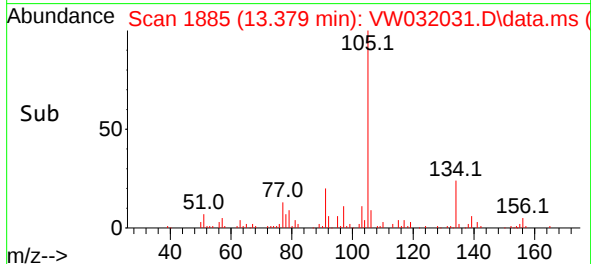
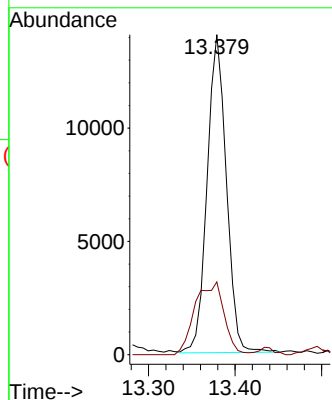
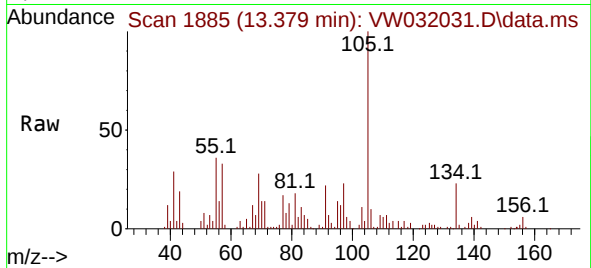




#85
 sec-Butylbenzene
 Concen: 1.264 ug/l
 RT: 13.379 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW032031.D
 Acq: 06 Aug 2025 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-VOC

Tgt Ion:105 Resp: 21671
 Ion Ratio Lower Upper
 105 100
 134 34.6 9.2 27.6#



#88
 1,4-Dichlorobenzene
 Concen: 3.105 ug/l
 RT: 13.580 min Scan# 1918
 Delta R.T. 0.006 min
 Lab File: VW032031.D
 Acq: 06 Aug 2025 16:12

Tgt Ion:146 Resp: 21892
 Ion Ratio Lower Upper
 146 100
 111 68.4 22.1 66.3#
 148 66.2 31.8 95.3

