

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100825\
 Data File : VY023403.D
 Acq On : 08 Oct 2025 13:21
 Operator : SY/MD
 Sample : Q3302-02
 Misc : 3.93g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-658-VOC-01

Quant Time: Oct 09 03:12:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

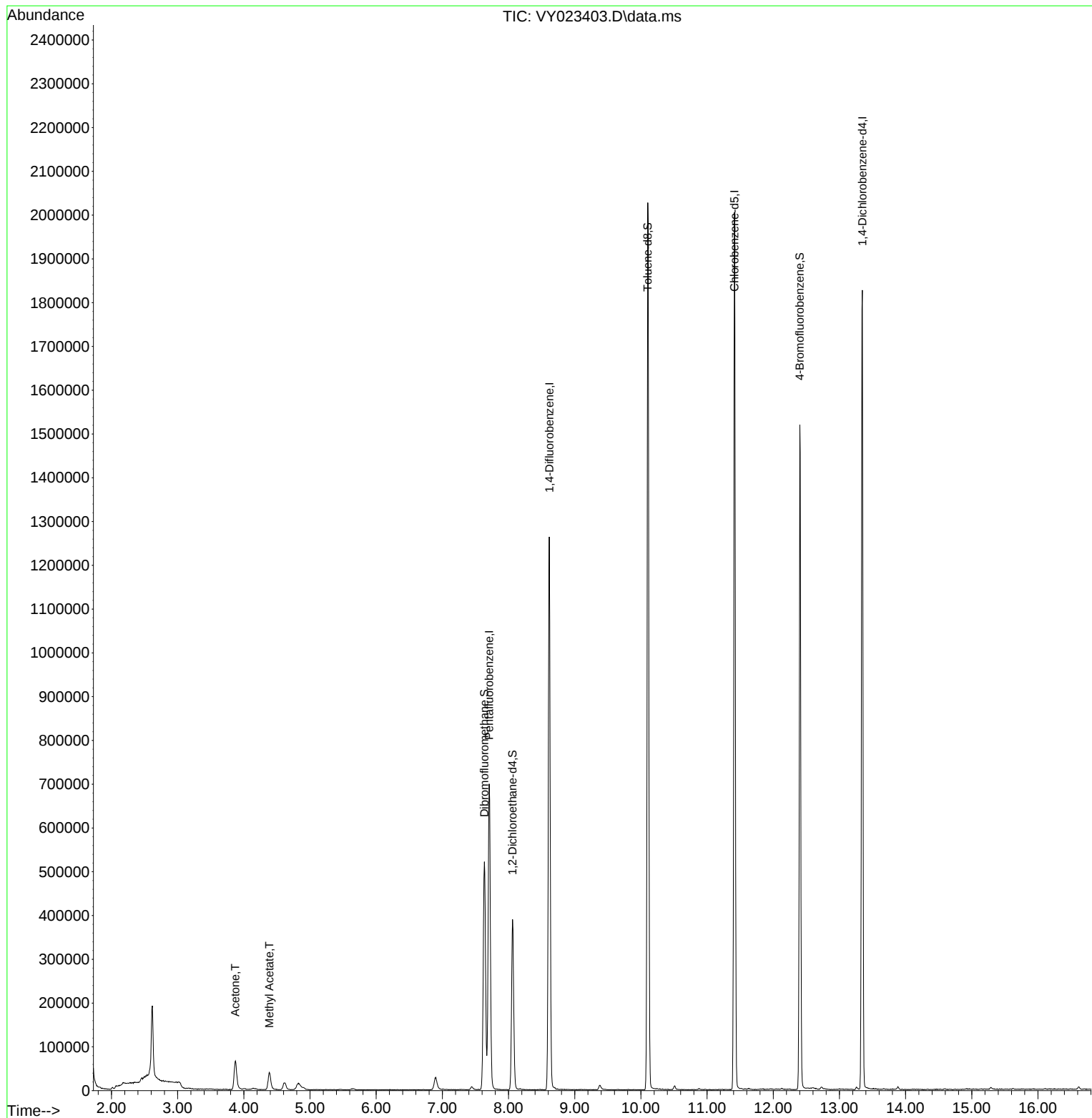
Internal Standards						
1) Pentafluorobenzene	7.707	168	594563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1142064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1102129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	503189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	303463	61.037	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.080%			
35) Dibromofluoromethane	7.634	113	377839	53.843	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.680%			
50) Toluene-d8	10.103	98	1350576	51.680	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.360%			
62) 4-Bromofluorobenzene	12.402	95	442045	51.234	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.460%			
Target Compounds						
16) Acetone	3.873	43	115547	97.621	ug/l	99
18) Methyl Acetate	4.385	43	73354	23.625	ug/l	98

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

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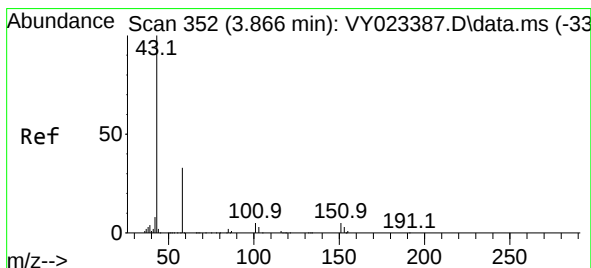
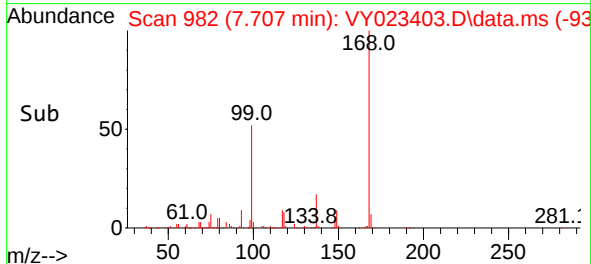
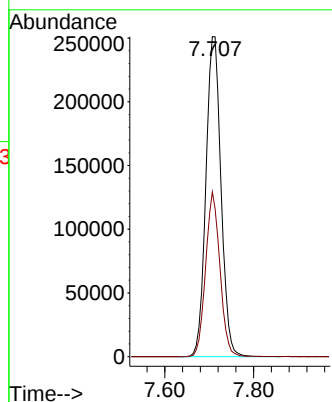
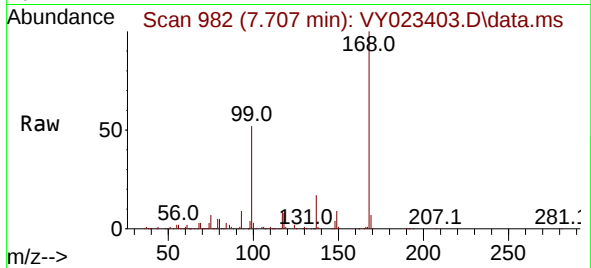




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023403.D
Acq: 08 Oct 2025 13:21

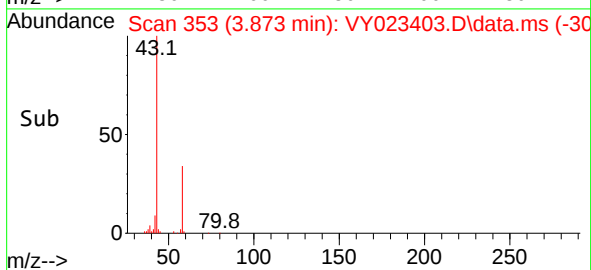
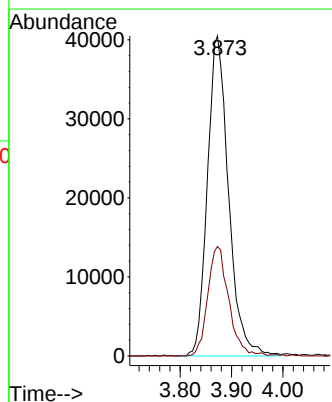
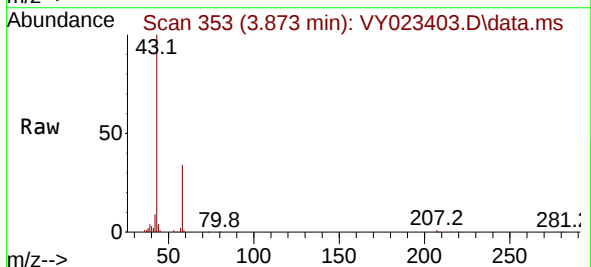
Instrument :
MSVOA_Y
ClientSampleId :
OR-658-VOC-01

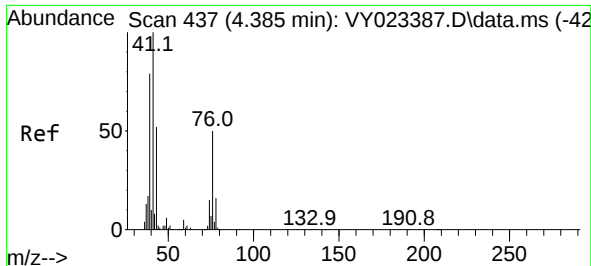
Tgt Ion:168 Resp: 594563
Ion Ratio Lower Upper
168 100
99 51.5 39.7 59.5



#16
Acetone
Concen: 97.621 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023403.D
Acq: 08 Oct 2025 13:21

Tgt Ion: 43 Resp: 115547
Ion Ratio Lower Upper
43 100
58 34.2 27.7 41.5





#18

Methyl Acetate

Concen: 23.625 ug/l

RT: 4.385 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY023403.D

Acq: 08 Oct 2025 13:21

Instrument :

MSVOA_Y

ClientSampleId :

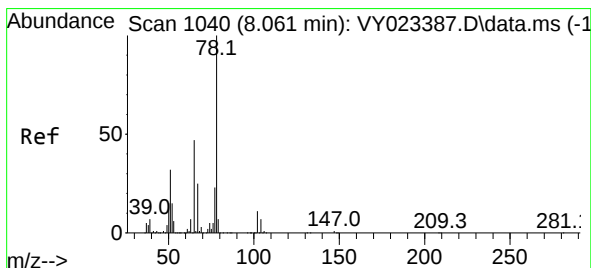
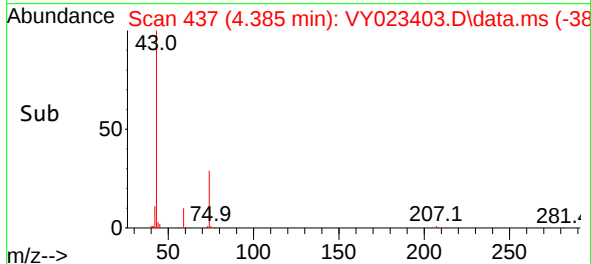
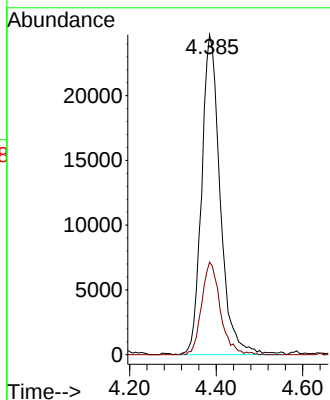
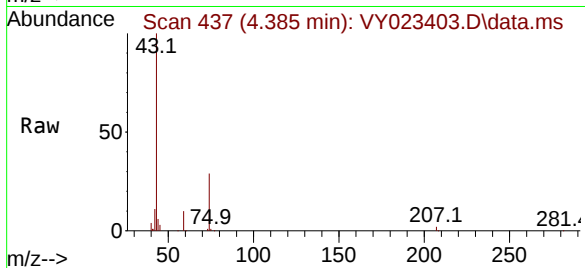
OR-658-VOC-01

Tgt Ion: 43 Resp: 73354

Ion Ratio Lower Upper

43 100

74 29.2 24.2 36.4



#33

1,2-Dichloroethane-d4

Concen: 61.037 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023403.D

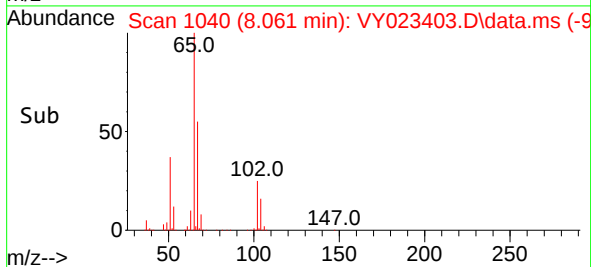
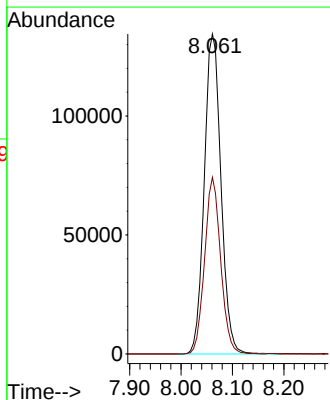
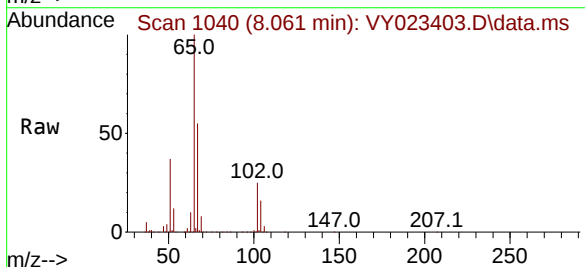
Acq: 08 Oct 2025 13:21

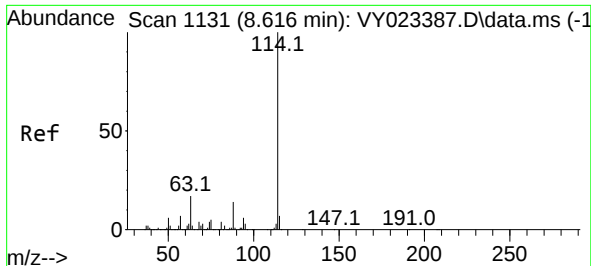
Tgt Ion: 65 Resp: 303463

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.8

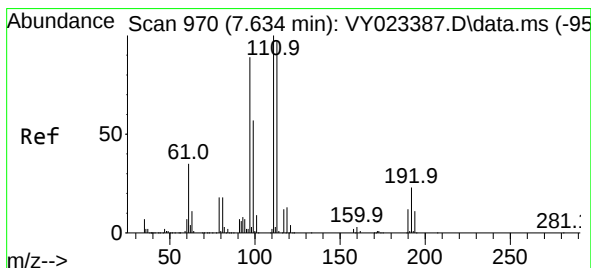
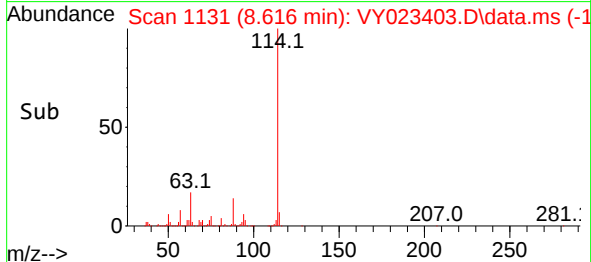
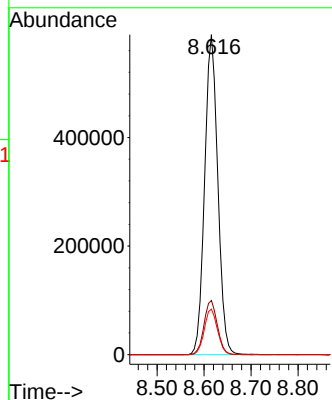
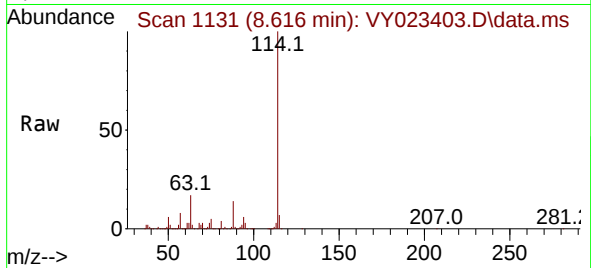




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023403.D
Acq: 08 Oct 2025 13:21

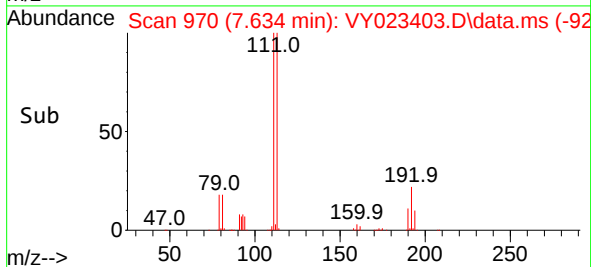
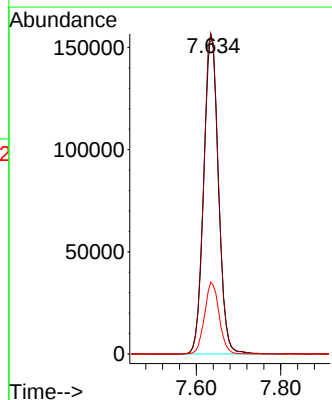
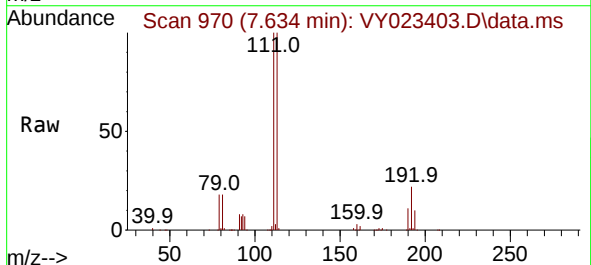
Instrument :
MSVOA_Y
ClientSampleId :
OR-658-VOC-01

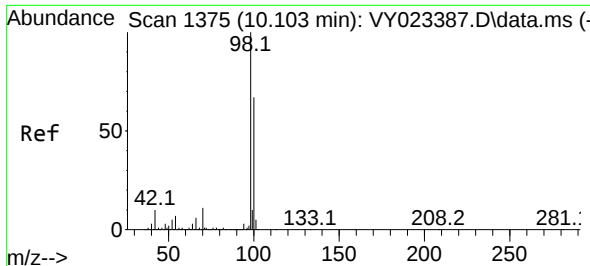
Tgt Ion:114 Resp: 1142064
Ion Ratio Lower Upper
114 100
63 16.9 0.0 34.2
88 14.3 0.0 28.4



#35
Dibromofluoromethane
Concen: 53.843 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023403.D
Acq: 08 Oct 2025 13:21

Tgt Ion:113 Resp: 377839
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.6
192 22.4 18.0 27.0

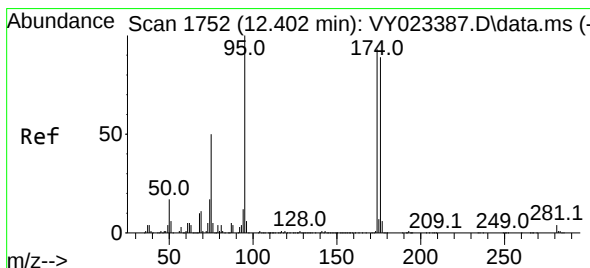
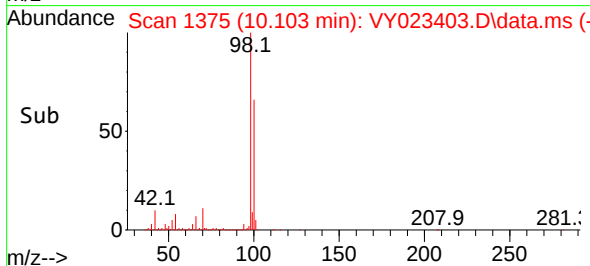
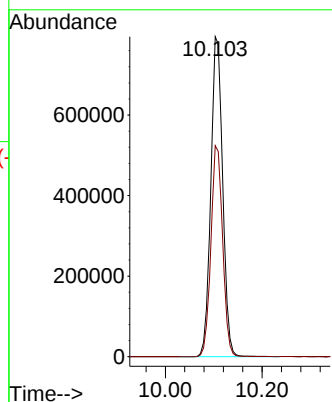
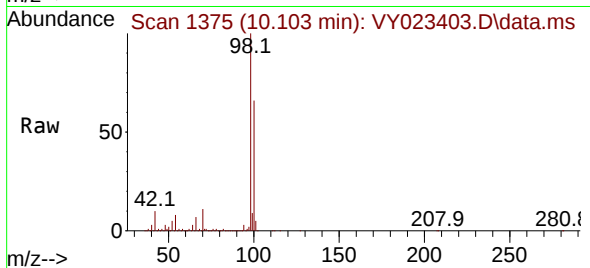




#50
Toluene-d8
Concen: 51.680 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023403.D
Acq: 08 Oct 2025 13:21

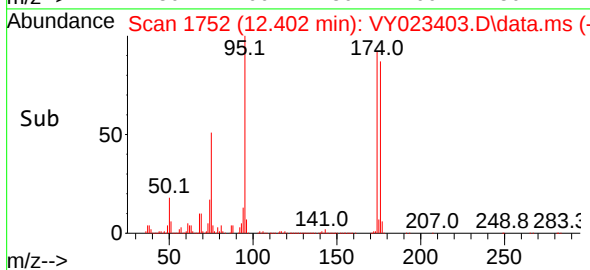
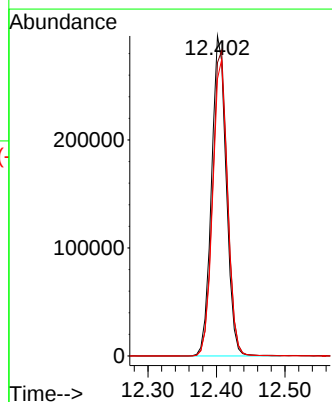
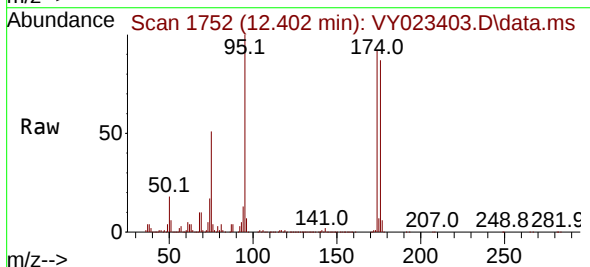
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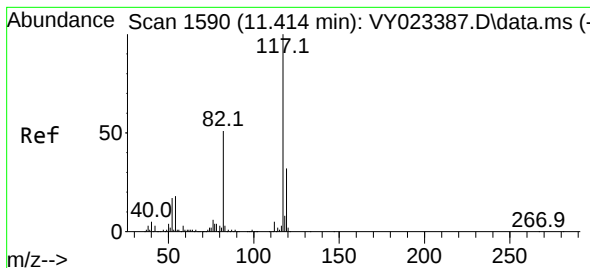
Tgt Ion: 98 Resp: 1350576
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 51.234 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023403.D
Acq: 08 Oct 2025 13:21

Tgt Ion: 95 Resp: 442045
Ion Ratio Lower Upper
95 100
174 97.0 0.0 192.8
176 93.2 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VY023403.D

Acq: 08 Oct 2025 13:21

Instrument :

MSVOA_Y

ClientSampleId :

OR-658-VOC-01

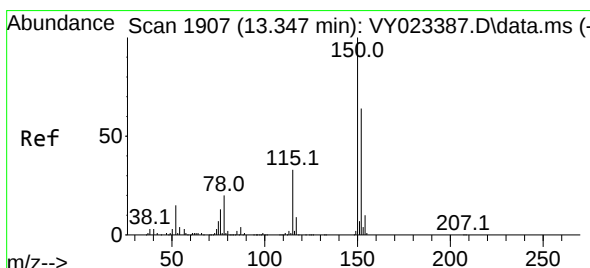
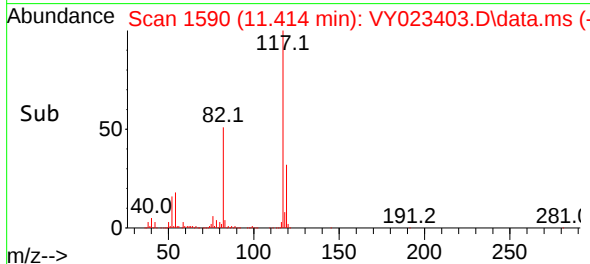
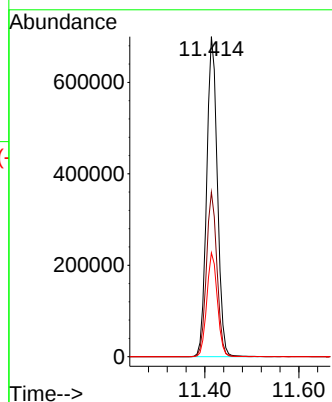
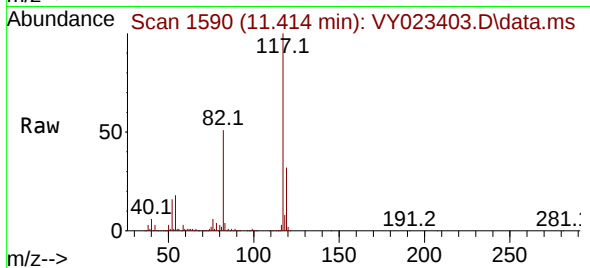
Tgt Ion:117 Resp: 1102129

Ion Ratio Lower Upper

117 100

82 51.4 41.0 61.4

119 32.5 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023403.D

Acq: 08 Oct 2025 13:21

Tgt Ion:152 Resp: 503189

Ion Ratio Lower Upper

152 100

115 53.6 27.1 81.2

150 155.4 0.0 347.4

