

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023132.D
 Acq On : 15 Aug 2025 17:56
 Operator : SY/MD
 Sample : Q2865-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ARS10-0047-VOC

Quant Time: Aug 18 02:32:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

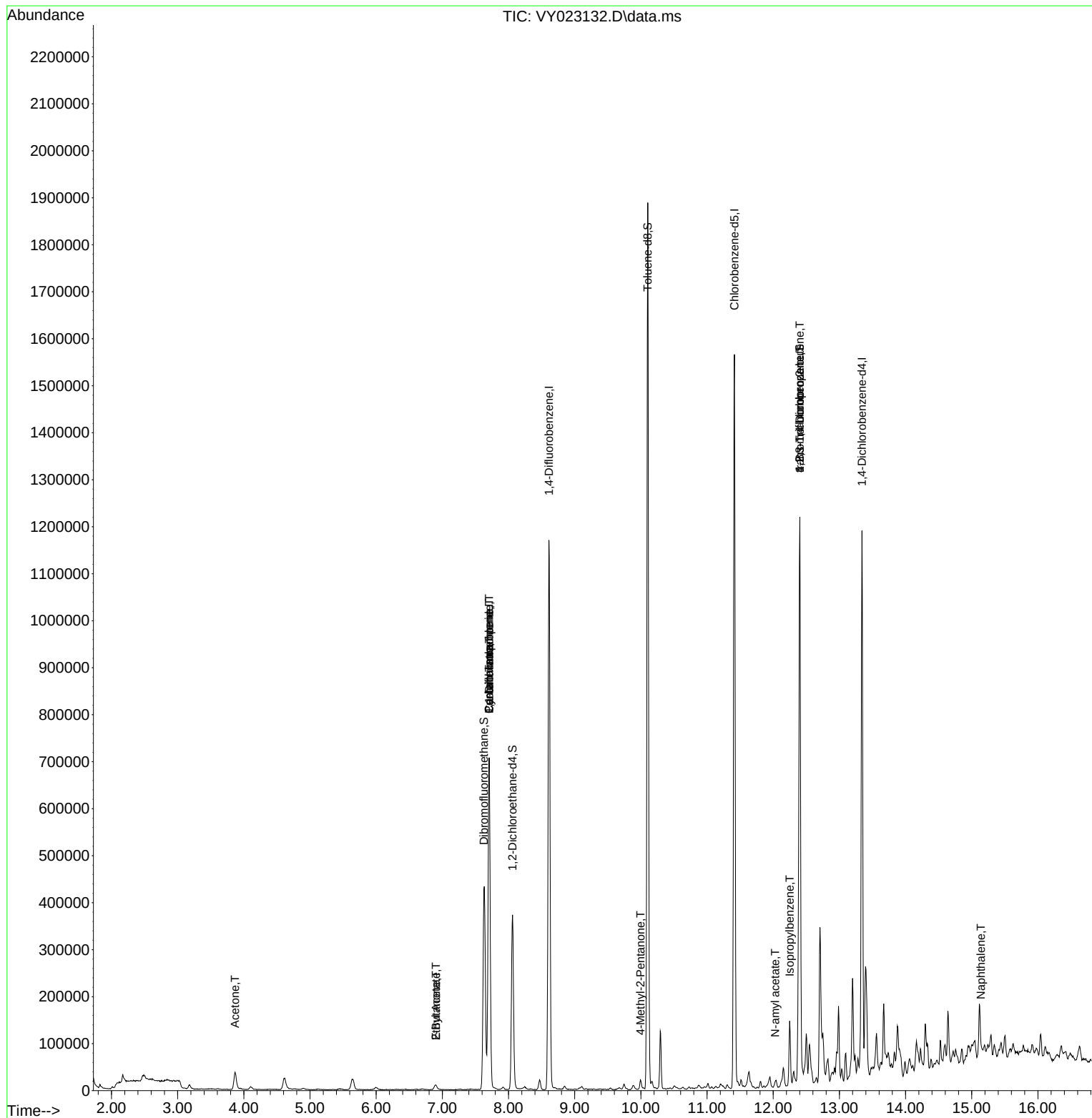
Internal Standards						
1) Pentafluorobenzene	7.707	168	541155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1003525	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	840698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	288847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	293676	56.941	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.880%			
35) Dibromofluoromethane	7.628	113	314868	52.436	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.880%			
50) Toluene-d8	10.103	98	1196587	51.009	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.020%			
62) 4-Bromofluorobenzene	12.401	95	333021	44.143	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.280%			
Target Compounds					Qvalue	
16) Acetone	3.866	43	62530	55.962	ug/l	99
25) 2-Butanone	6.902	43	14640	9.634	ug/l	97
31) Cyclohexane	7.707	56	12607	1.312	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	43453	4.869	ug/l #	50
37) Ethyl Acetate	6.902	43	14640	3.905	ug/l #	69
38) Carbon Tetrachloride	7.707	117	54753	5.649	ug/l #	17
51) 4-Methyl-2-Pentanone	9.993	43	12650	3.237	ug/l	99
73) Isopropylbenzene	12.249	105	77040	3.779	ug/l	99
74) N-amyl acetate	12.030	43	5158	1.193	ug/l #	51
76) 1,2,3-Trichloropropane	12.401	75	179161	64.269	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	179161	155.574	ug/l #	14
95) Naphthalene	15.139	128	10387	1.225	ug/l #	80

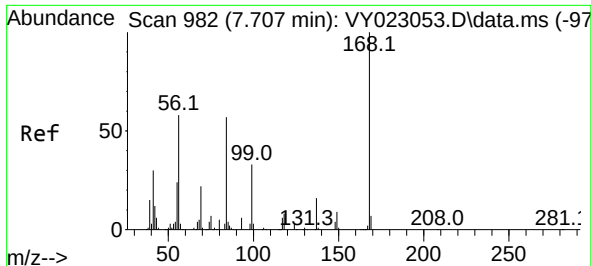
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023132.D
Acq On : 15 Aug 2025 17:56
Operator : SY/MD
Sample : Q2865-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ARS10-0047-VOC

Quant Time: Aug 18 02:32:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

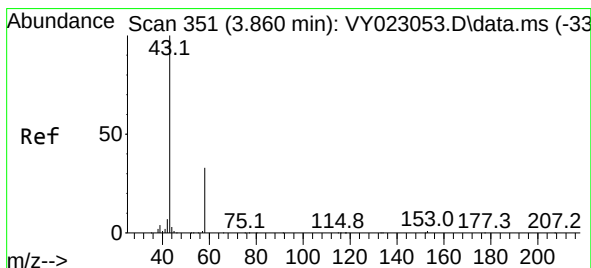
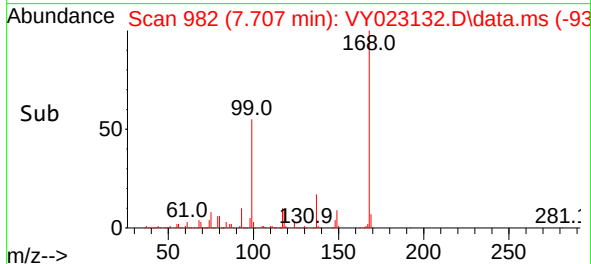
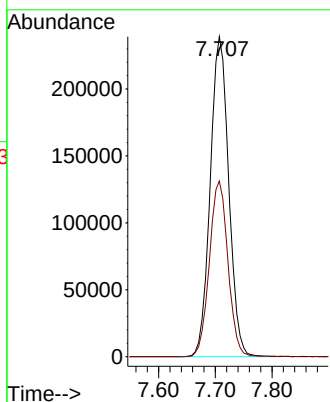
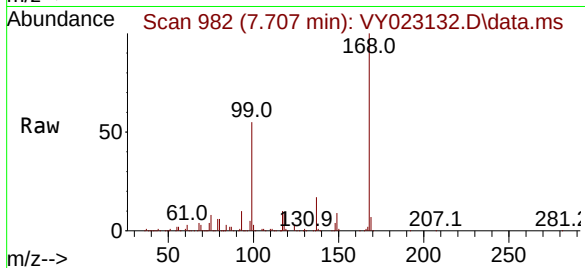




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

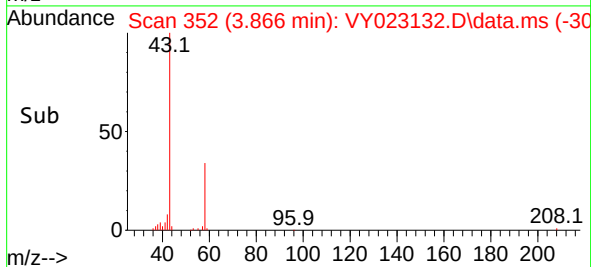
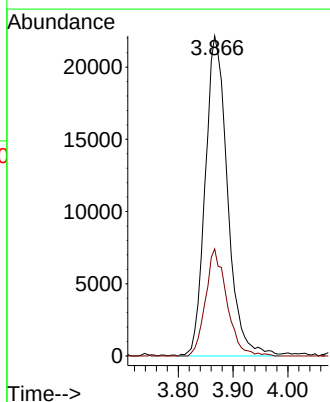
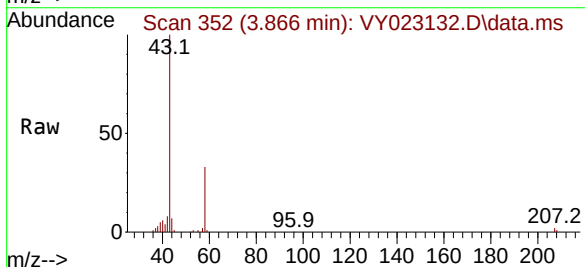
Instrument :
MSVOA_Y
ClientSampleId :
ARS10-0047-VOC

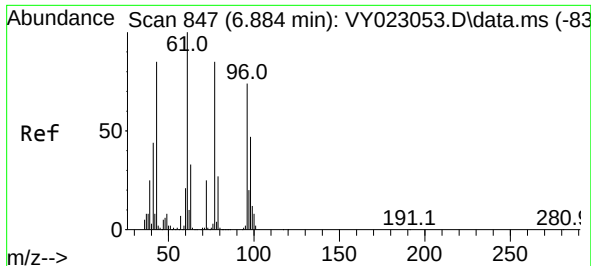
Tgt Ion:168 Resp: 541155
Ion Ratio Lower Upper
168 100
99 54.9 42.8 64.2



#16
Acetone
Concen: 55.962 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

Tgt Ion: 43 Resp: 62530
Ion Ratio Lower Upper
43 100
58 33.4 27.1 40.7

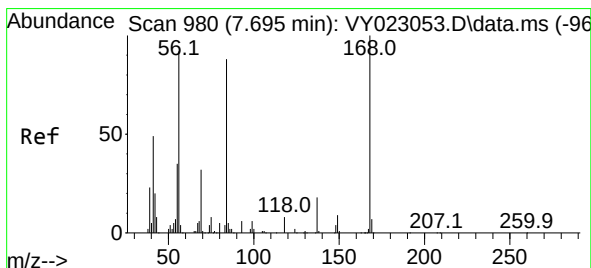
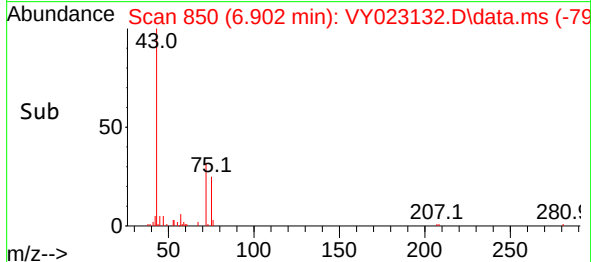
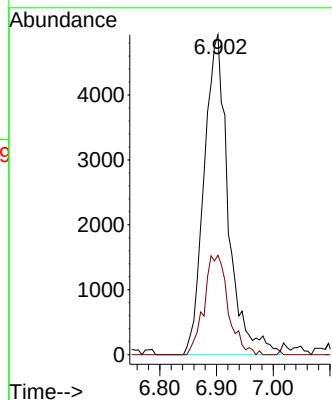
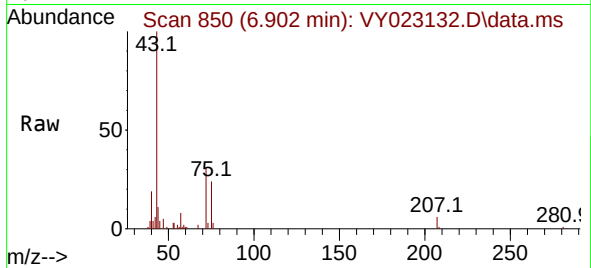




#25
2-Butanone
Concen: 9.634 ug/l
RT: 6.902 min Scan# 81
Delta R.T. 0.018 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

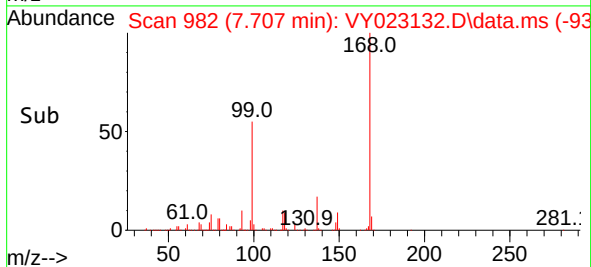
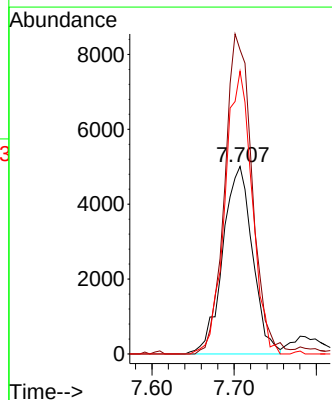
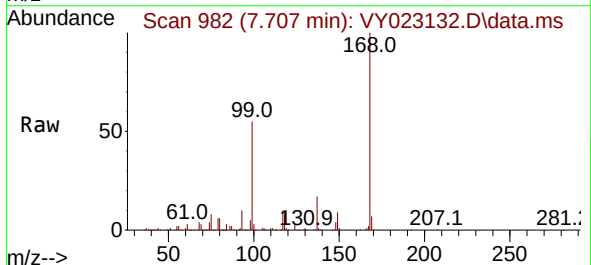
Instrument :
MSVOA_Y
ClientSampleId :
ARS10-0047-VOC

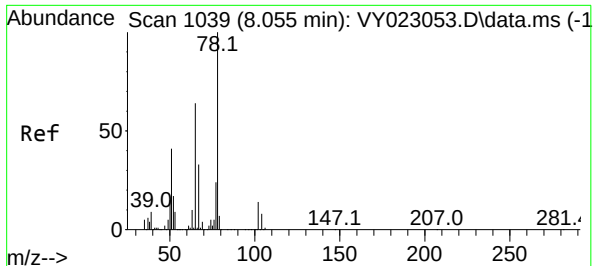
Tgt Ion: 43 Resp: 14640
Ion Ratio Lower Upper
43 100
72 31.0 23.5 35.3



#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

Tgt Ion: 56 Resp: 12607
Ion Ratio Lower Upper
56 100
69 162.2 28.2 42.2#
84 150.8 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 56.941 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023132.D

Acq: 15 Aug 2025 17:56

Instrument :

MSVOA_Y

ClientSampleId :

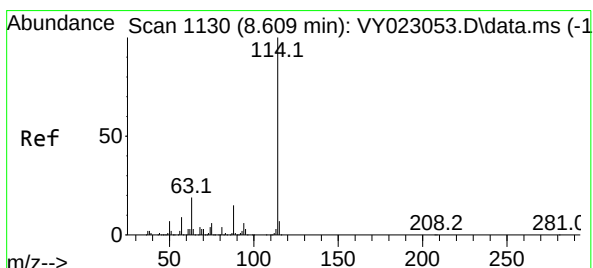
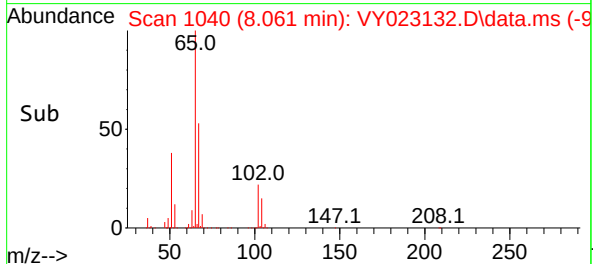
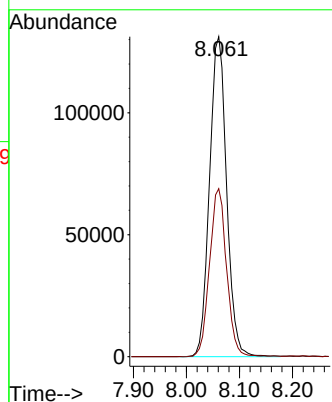
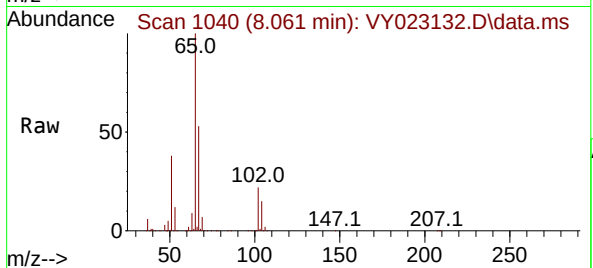
ARS10-0047-VOC

Tgt Ion: 65 Resp: 293676

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023132.D

Acq: 15 Aug 2025 17:56

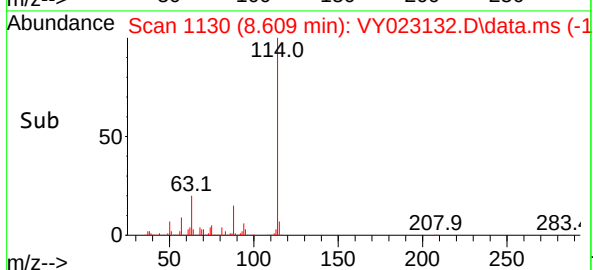
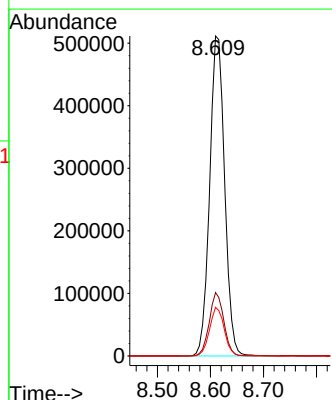
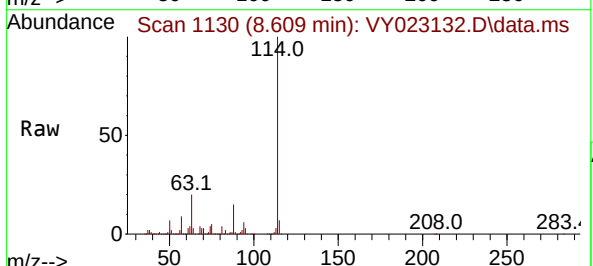
Tgt Ion: 114 Resp: 1003525

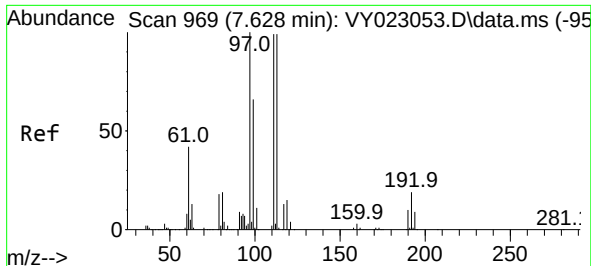
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 15.2 0.0 30.0

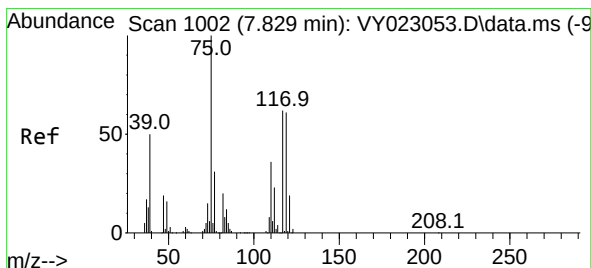
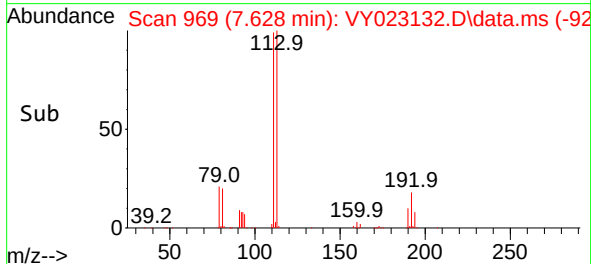
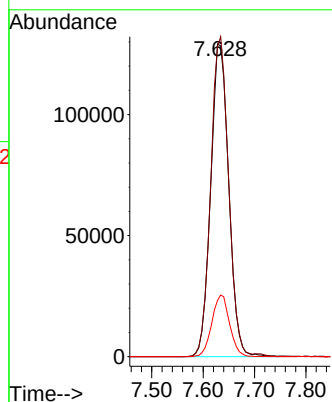
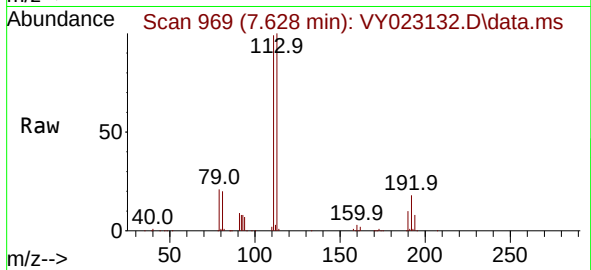




#35
Dibromofluoromethane
Concen: 52.436 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

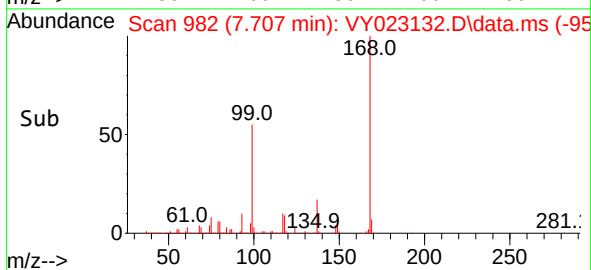
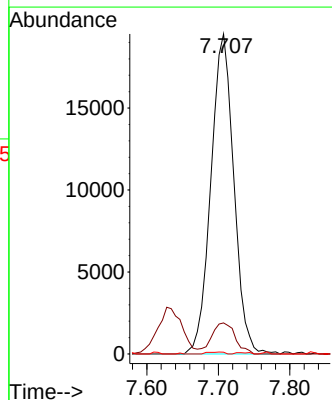
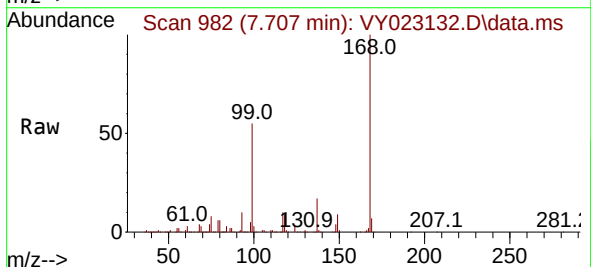
Instrument :
MSVOA_Y
ClientSampleId :
ARS10-0047-VOC

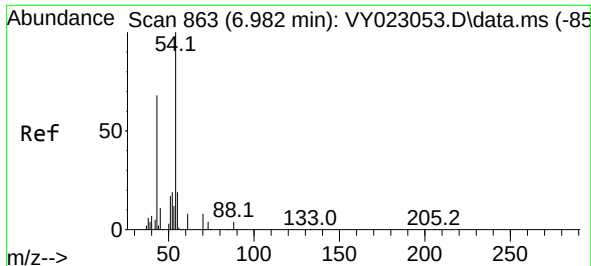
Tgt Ion:113 Resp: 314868
Ion Ratio Lower Upper
113 100
111 101.7 81.1 121.7
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.869 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

Tgt Ion: 75 Resp: 43453
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.4 24.6 37.0#





#37

Ethyl Acetate

Concen: 3.905 ug/l

RT: 6.902 min Scan# 81

Delta R.T. -0.079 min

Lab File: VY023132.D

Acq: 15 Aug 2025 17:56

Instrument :

MSVOA_Y

ClientSampleId :

ARS10-0047-VOC

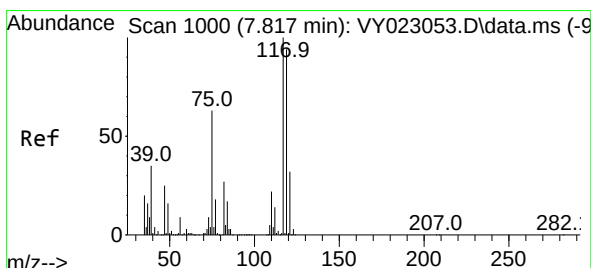
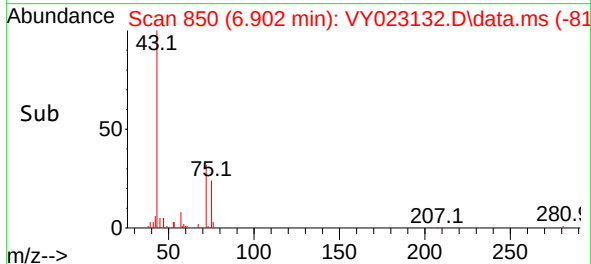
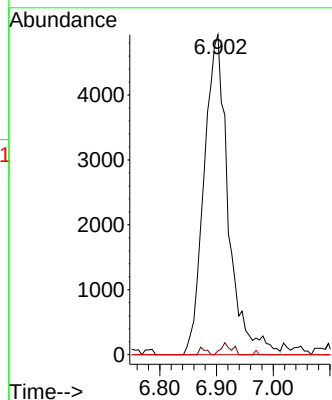
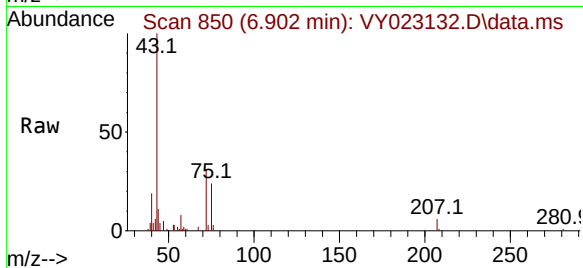
Tgt Ion: 43 Resp: 14640

Ion Ratio Lower Upper

43 100

61 1.6 11.9 17.9#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.649 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023132.D

Acq: 15 Aug 2025 17:56

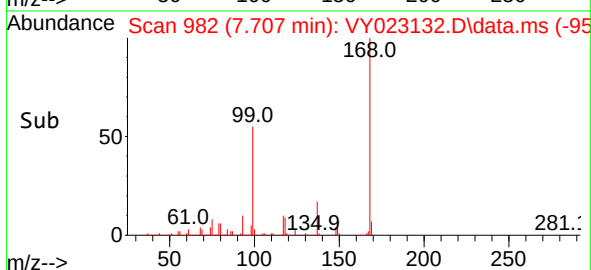
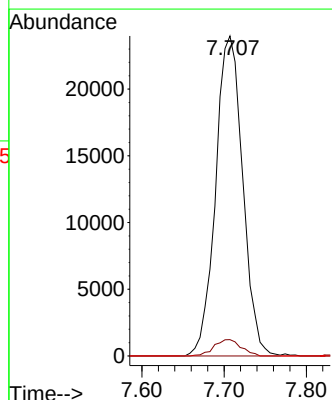
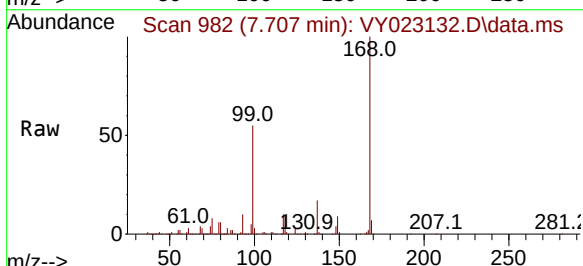
Tgt Ion: 117 Resp: 54753

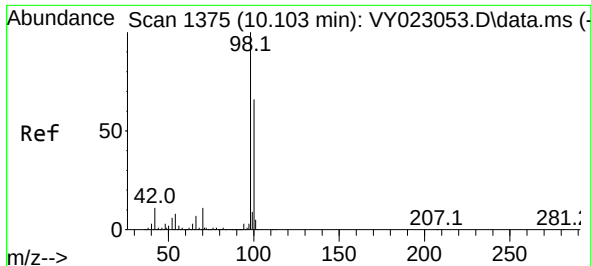
Ion Ratio Lower Upper

117 100

119 5.1 75.6 113.4#

121 0.0 25.8 38.8#

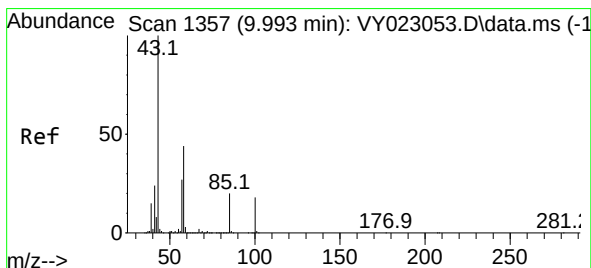
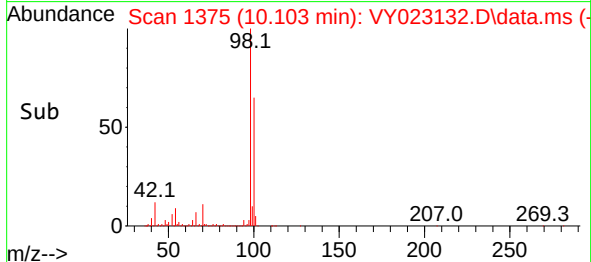
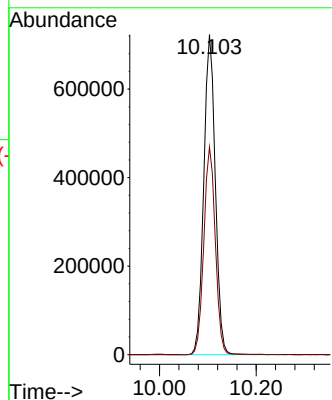
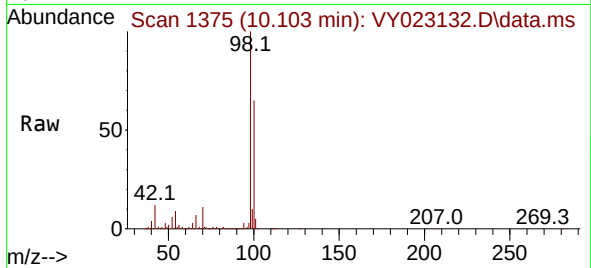




#50
Toluene-d8
Concen: 51.009 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

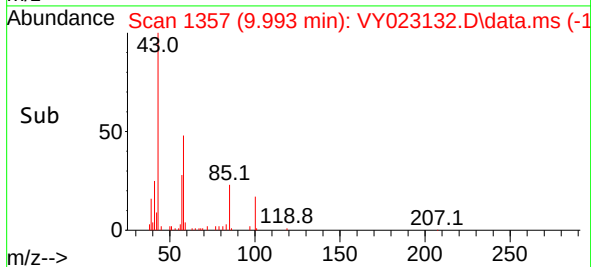
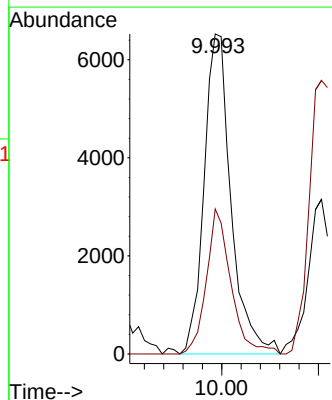
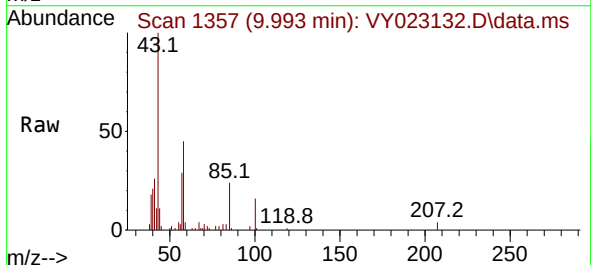
Instrument :
MSVOA_Y
ClientSampleId :
ARS10-0047-VOC

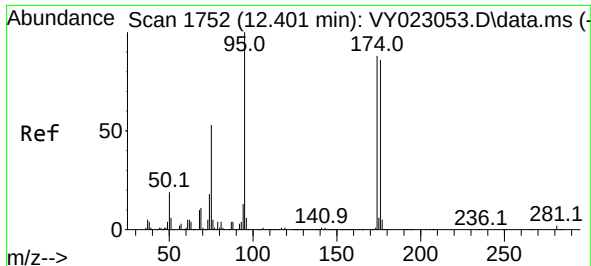
Tgt Ion: 98 Resp: 1196587
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 3.237 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

Tgt Ion: 43 Resp: 12650
Ion Ratio Lower Upper
43 100
58 41.2 33.5 50.3

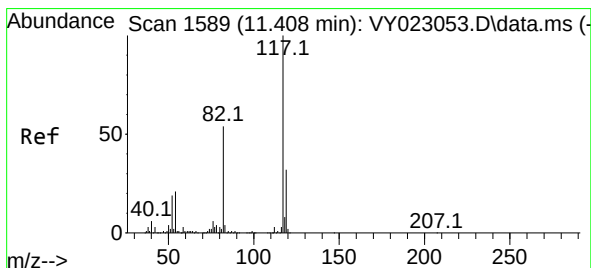
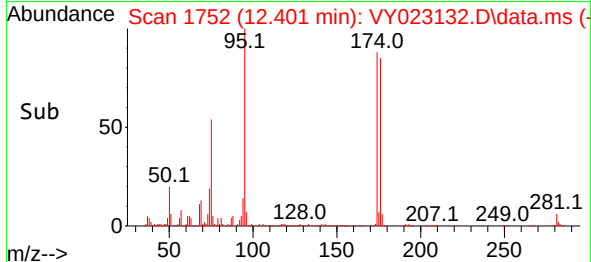
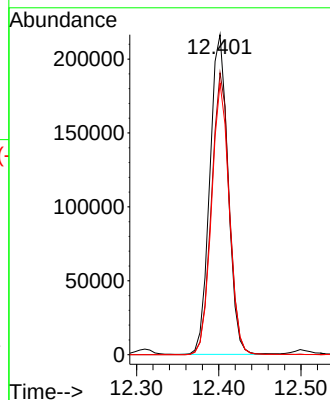
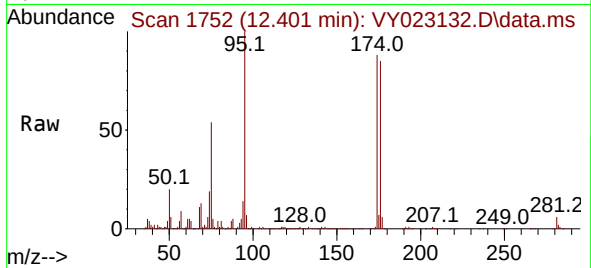




#62
4-Bromofluorobenzene
Concen: 44.143 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

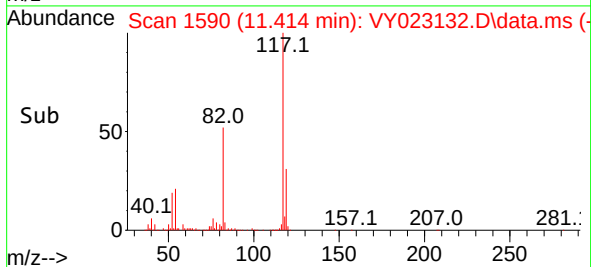
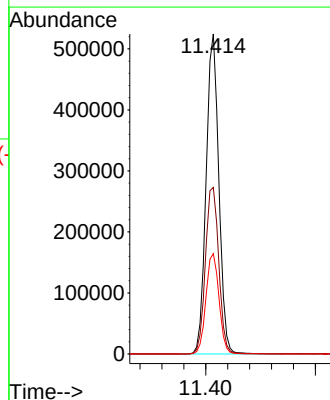
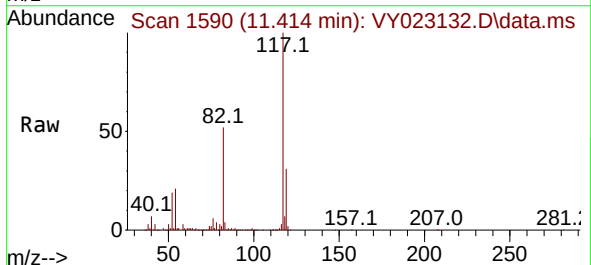
Instrument :
MSVOA_Y
ClientSampleId :
ARS10-0047-VOC

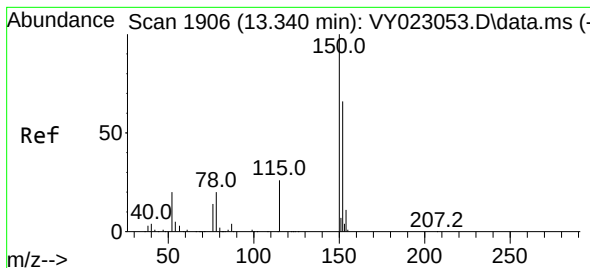
Tgt Ion: 95 Resp: 333021
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 83.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

Tgt Ion: 117 Resp: 840698
Ion Ratio Lower Upper
117 100
82 52.0 43.4 65.0
119 31.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023132.D

Acq: 15 Aug 2025 17:56

Instrument :

MSVOA_Y

ClientSampleId :

ARS10-0047-VOC

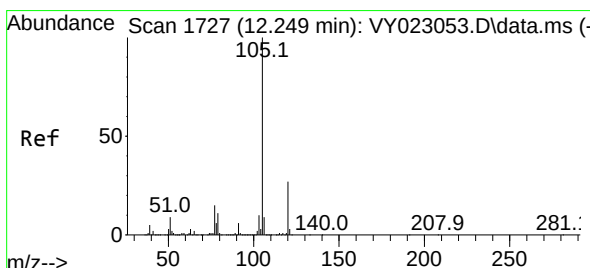
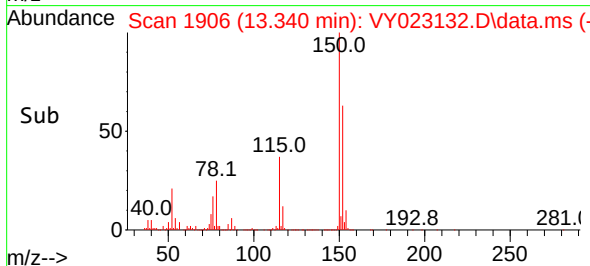
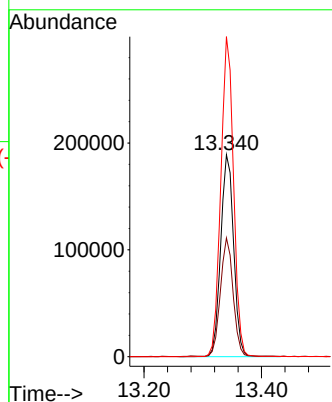
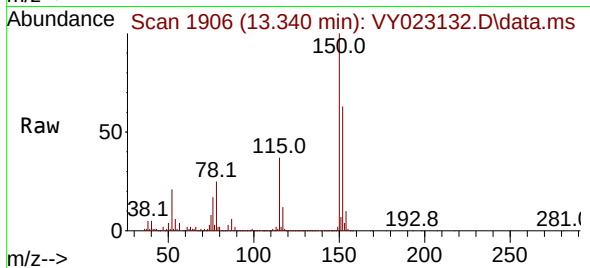
Tgt Ion:152 Resp: 288847

Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.6

150 155.7 0.0 348.0



#73

Isopropylbenzene

Concen: 3.779 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VY023132.D

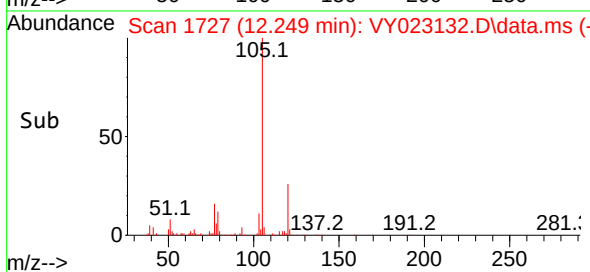
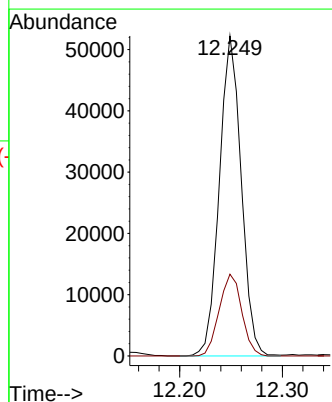
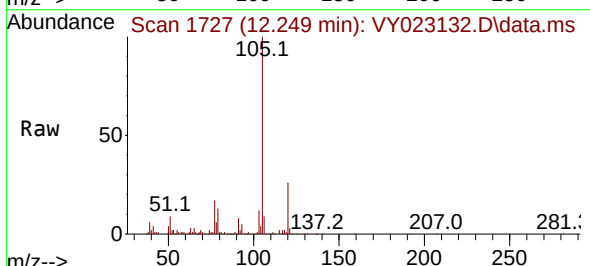
Acq: 15 Aug 2025 17:56

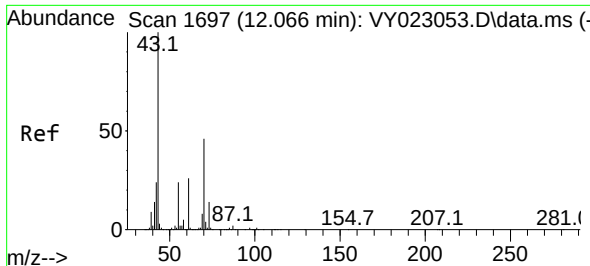
Tgt Ion:105 Resp: 77040

Ion Ratio Lower Upper

105 100

120 26.3 13.4 40.2

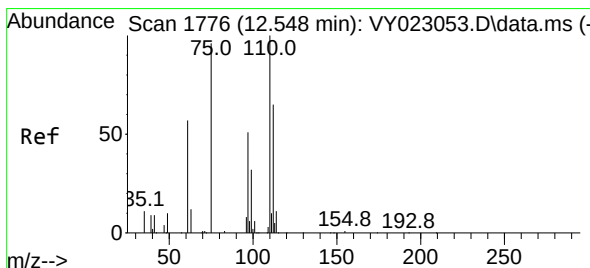
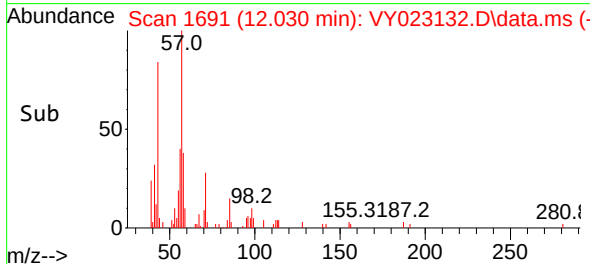
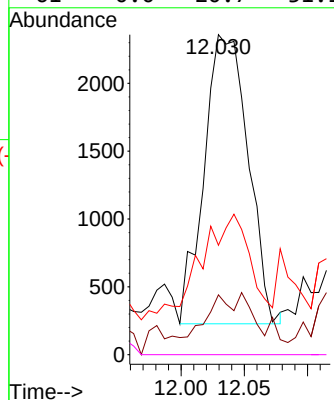
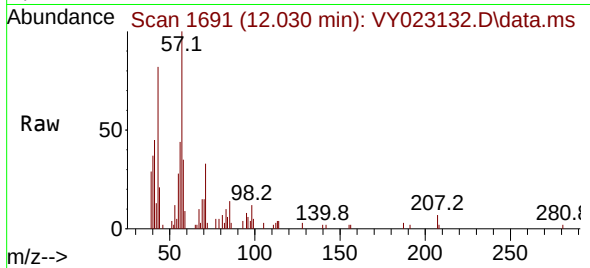




#74
N-amy1 acetate
Concen: 1.193 ug/l
RT: 12.030 min Scan# 1752
Delta R.T. -0.037 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

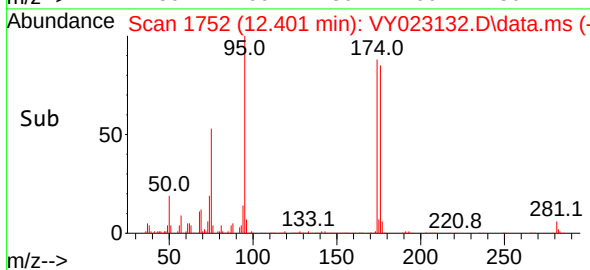
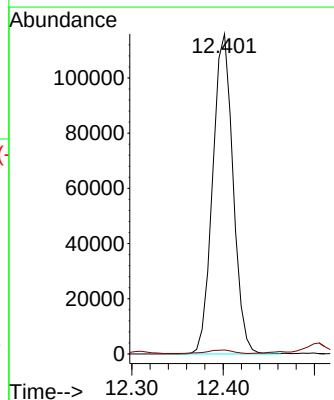
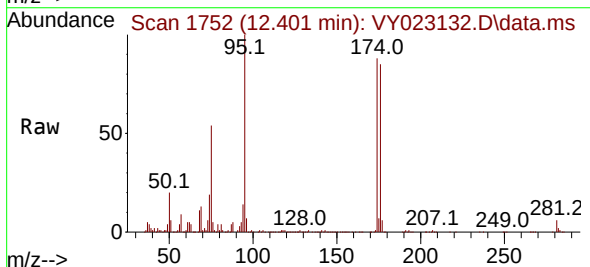
Instrument :
MSVOA_Y
ClientSampleId :
ARS10-0047-VOC

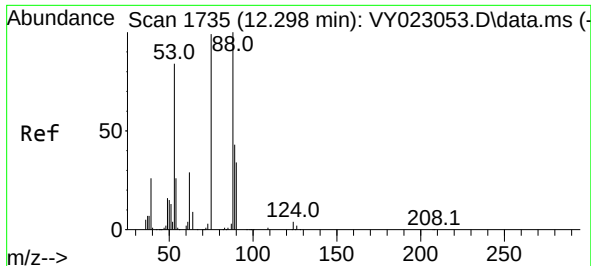
Tgt Ion: 43	Resp: 5158
Ion Ratio	Lower Upper
43 100	
70 8.1	37.5 56.3#
55 41.5	20.7 31.1#
61 0.0	20.7 31.1#



#76
1,2,3-Trichloropropane
Concen: 64.269 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

Tgt Ion: 75	Resp: 179161
Ion Ratio	Lower Upper
75 100	
77 1.4	0.0 0.0#

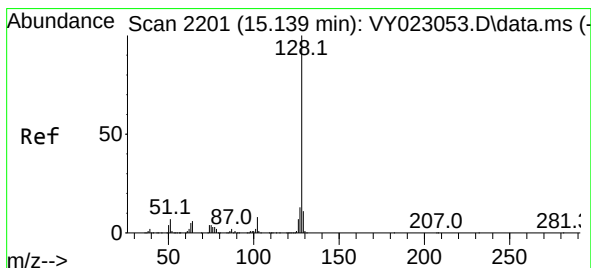
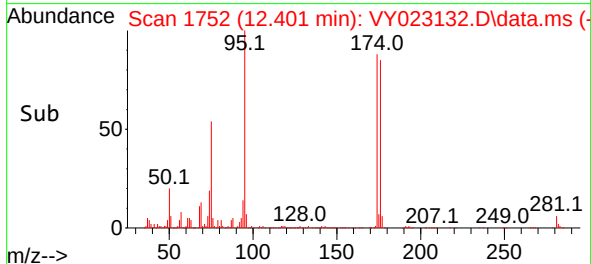
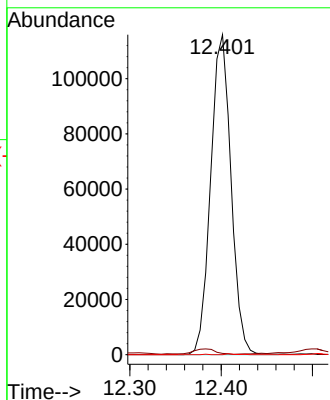
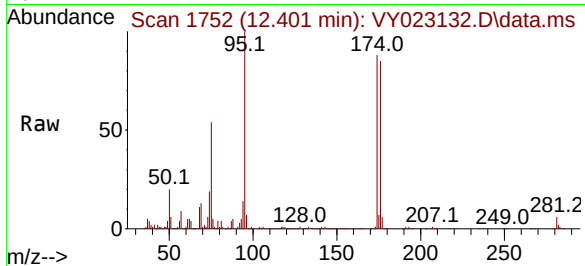




#81
trans-1,4-Dichloro-2-butene
Concen: 155.574 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

Instrument :
MSVOA_Y
ClientSampleId :
ARS10-0047-VOC

Tgt Ion: 75 Resp: 179161
Ion Ratio Lower Upper
75 100
53 0.0 70.8 106.2#
89 0.1 38.1 57.1#



#95
Naphthalene
Concen: 1.225 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

Tgt Ion: 128 Resp: 10387
Ion Ratio Lower Upper
128 100
127 25.4 10.4 15.6#
129 14.2 9.0 13.4#

