

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023068.D
 Acq On : 13 Aug 2025 14:32
 Operator : SY/MD
 Sample : Q2827-03
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8-VOC

Quant Time: Aug 14 01:24:19 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	523339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	1054306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	949918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	400001	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	328205	65.802	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.600%
35) Dibromofluoromethane	7.628	113	344848	54.663	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.320%
50) Toluene-d8	10.103	98	1265900	51.365	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.720%
62) 4-Bromofluorobenzene	12.402	95	396412	50.015	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.040%

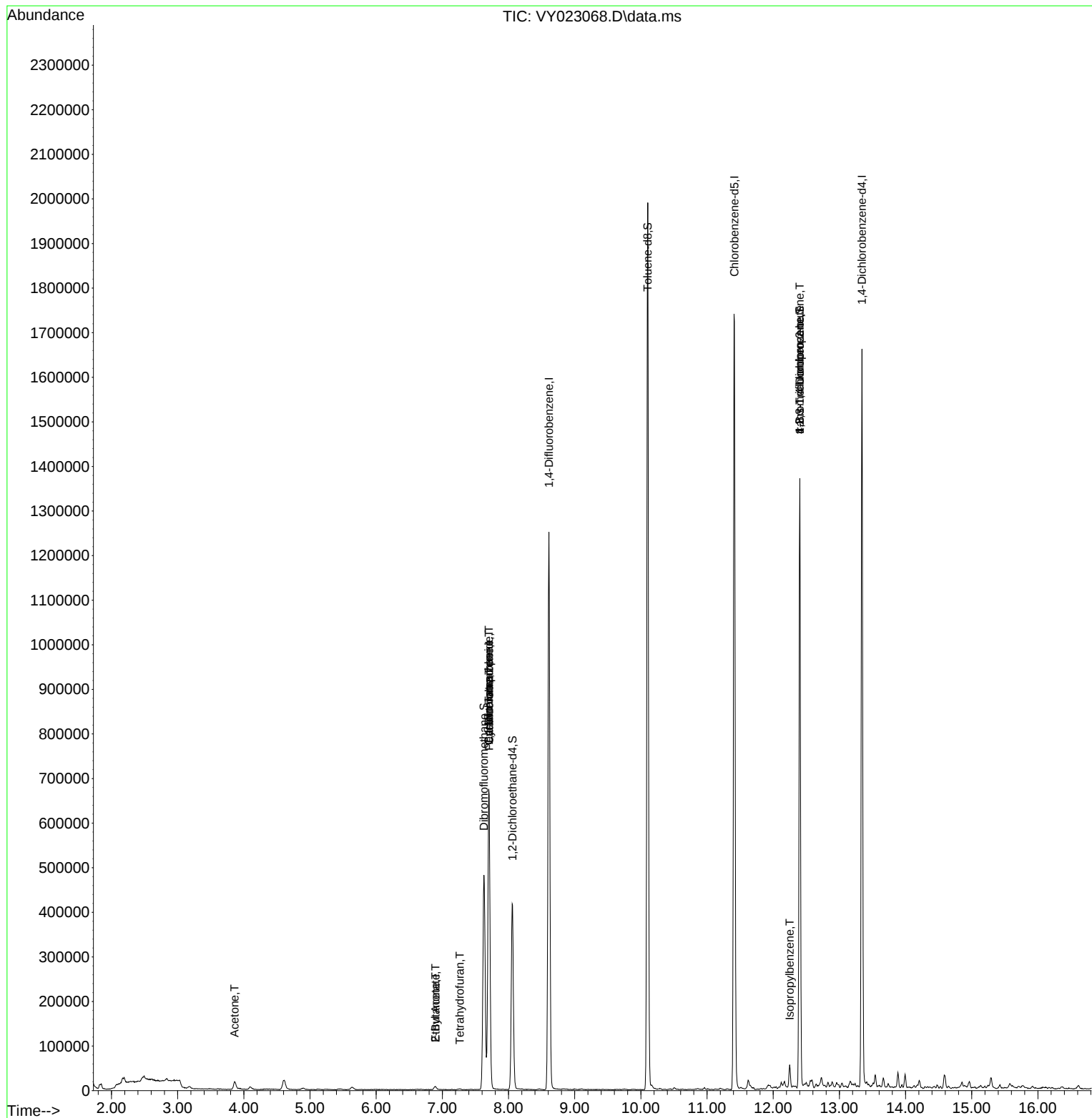
Target Compounds					Qvalue	
16) Acetone	3.860	43	27923	25.841	ug/l	100
25) 2-Butanone	6.896	43	11274	7.671	ug/l	92
29) Tetrahydrofuran	7.262	42	1111	1.220	ug/l #	78
31) Cyclohexane	7.701	56	11523	1.240	ug/l #	10
36) 1,1-Dichloropropene	7.701	75	41572	4.434	ug/l #	49
37) Ethyl Acetate	6.896	43	11274	2.863	ug/l #	73
38) Carbon Tetrachloride	7.701	117	52452	5.151	ug/l #	16
73) Isopropylbenzene	12.249	105	29846	1.057	ug/l	98
76) 1,2,3-Trichloropropane	12.402	75	210632	54.562	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	210632	132.077	ug/l #	14

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

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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

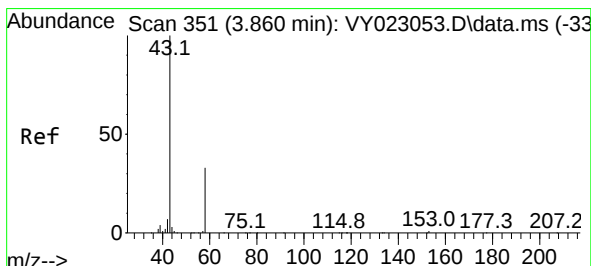
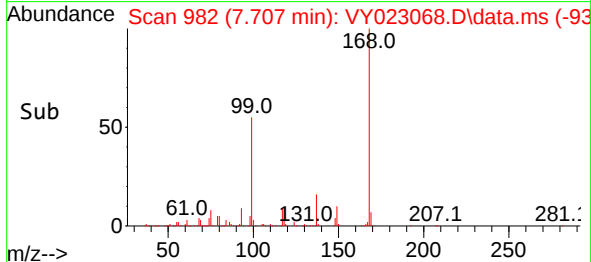
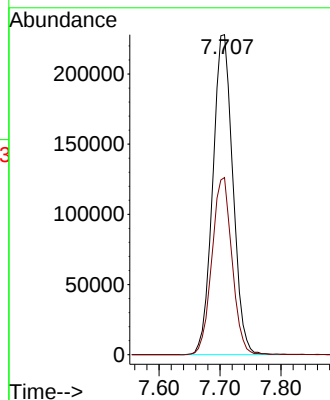
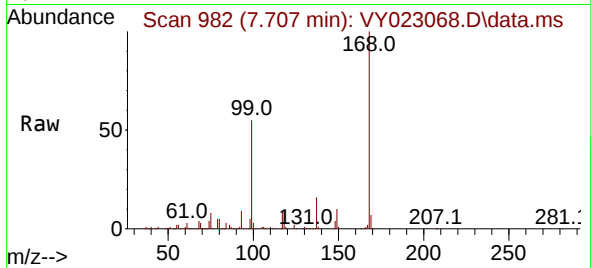




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

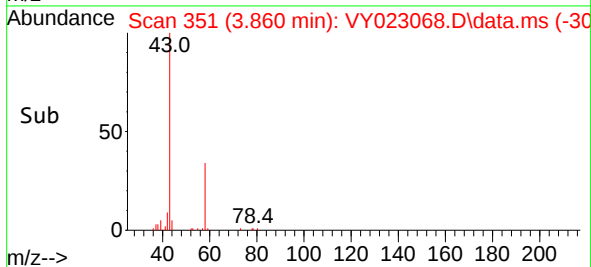
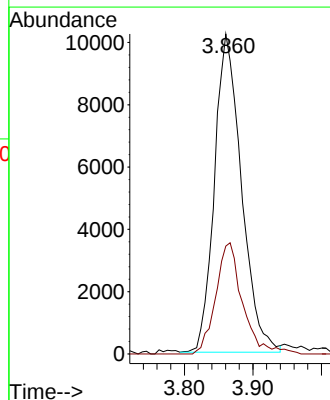
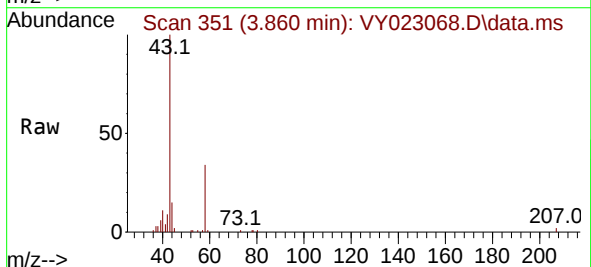
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

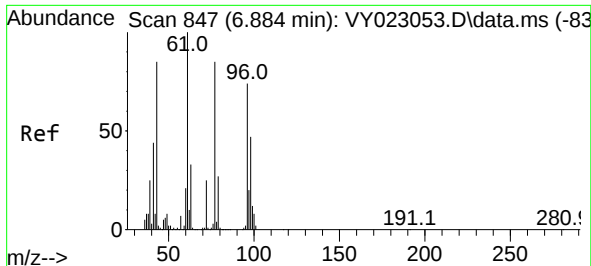
Tgt Ion:168 Resp: 523339
Ion Ratio Lower Upper
168 100
99 55.3 42.8 64.2



#16
Acetone
Concen: 25.841 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 43 Resp: 27923
Ion Ratio Lower Upper
43 100
58 33.9 27.1 40.7

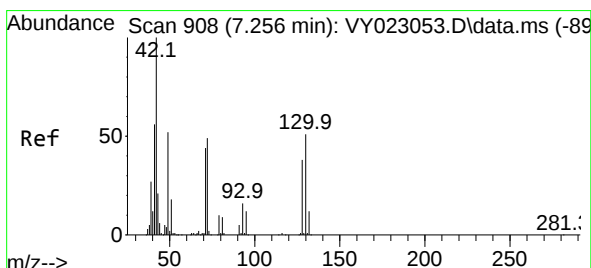
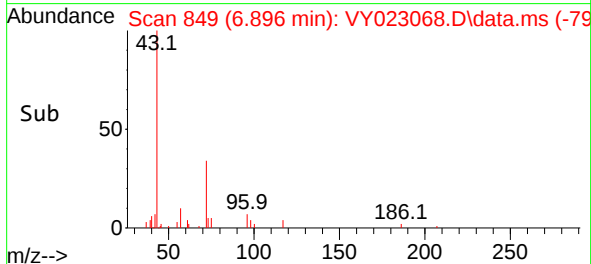
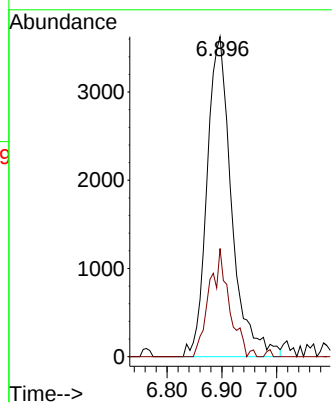
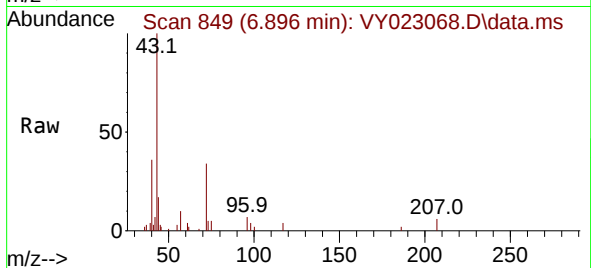




#25
2-Butanone
Concen: 7.671 ug/l
RT: 6.896 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

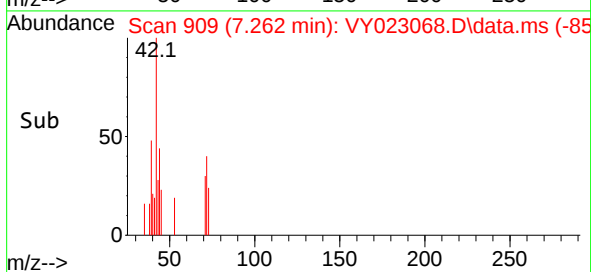
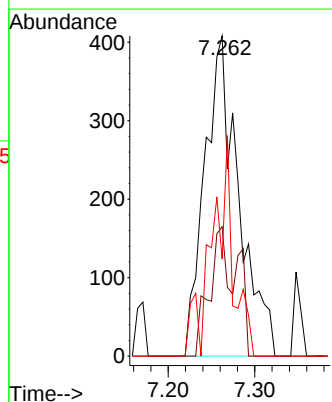
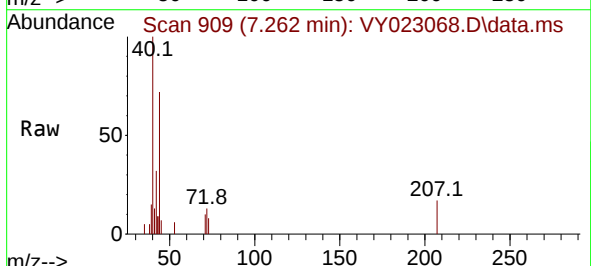
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

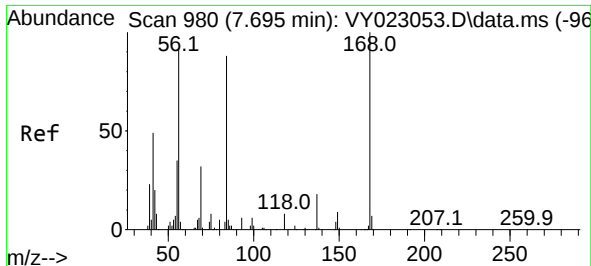
Tgt Ion: 43 Resp: 11274
Ion Ratio Lower Upper
43 100
72 33.8 23.5 35.3



#29
Tetrahydrofuran
Concen: 1.220 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.006 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 42 Resp: 1111
Ion Ratio Lower Upper
42 100
72 23.3 39.4 59.2#
71 42.7 36.5 54.7

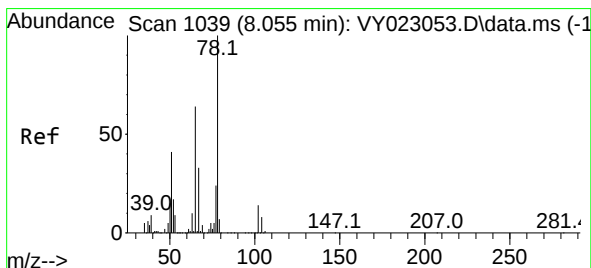
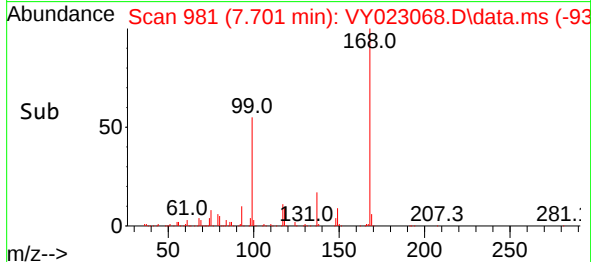
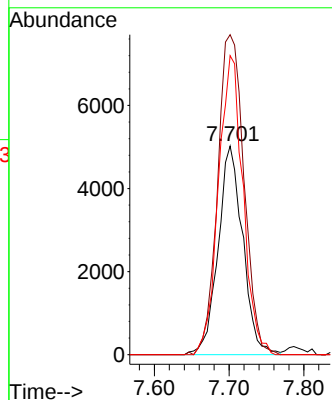
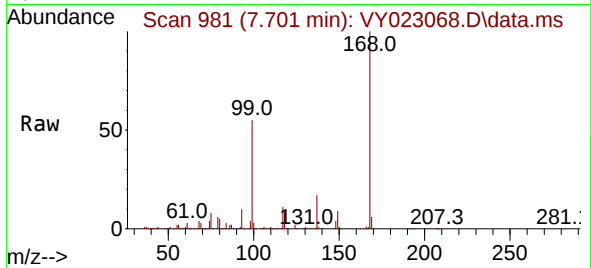




#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

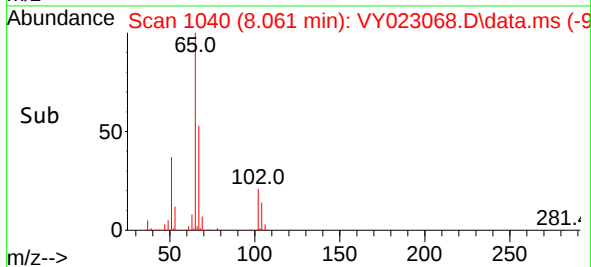
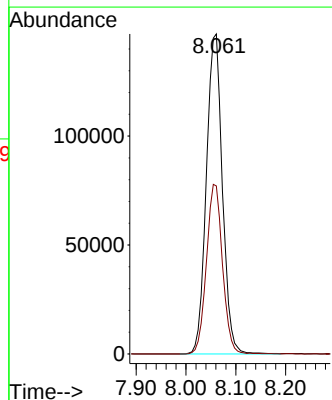
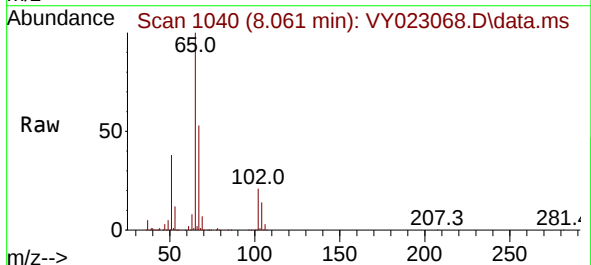
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

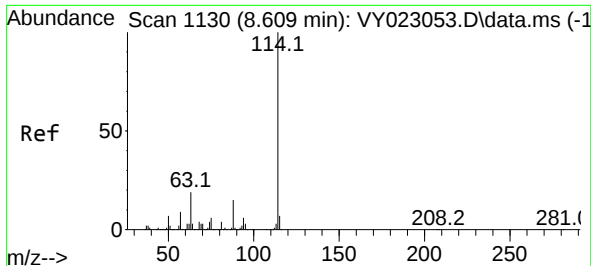
Tgt Ion: 56 Resp: 11523
Ion Ratio Lower Upper
56 100
69 153.4 28.2 42.2#
84 143.3 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 65.802 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 65 Resp: 328205
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023068.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-8-VOC

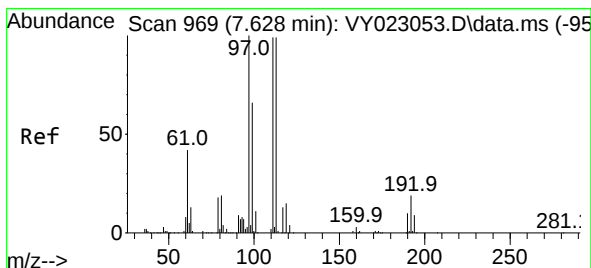
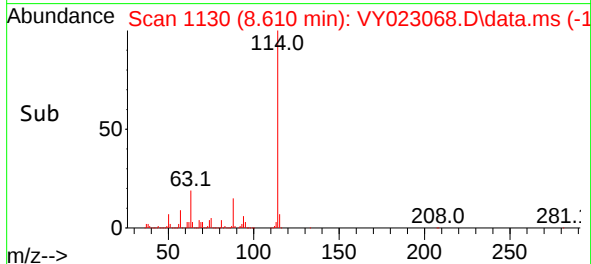
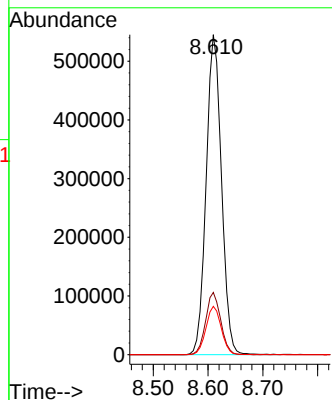
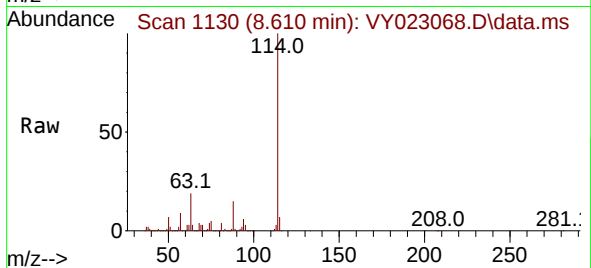
Tgt Ion:114 Resp: 1054306

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

88 15.1 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.663 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY023068.D

Acq: 13 Aug 2025 14:32

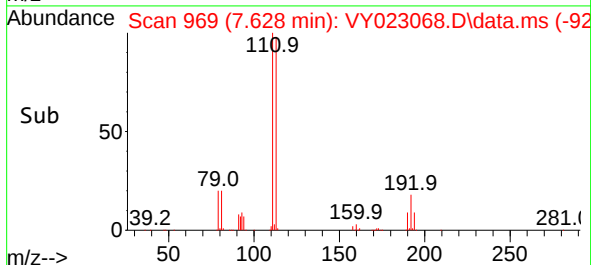
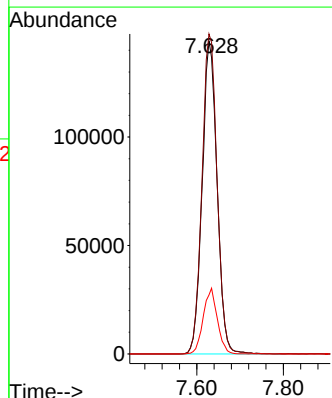
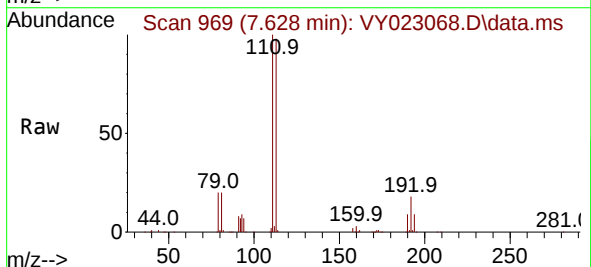
Tgt Ion:113 Resp: 344848

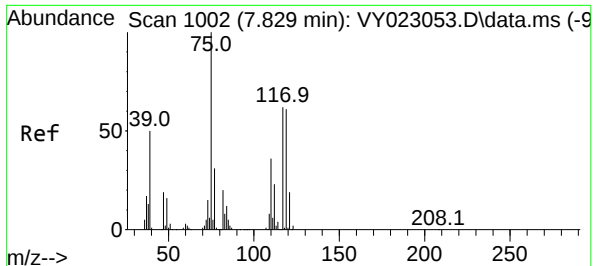
Ion Ratio Lower Upper

113 100

111 103.5 81.1 121.7

192 19.8 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.434 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023068.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-8-VOC

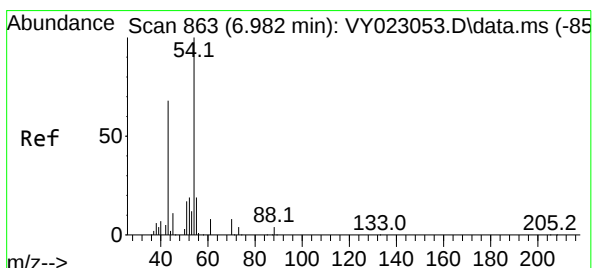
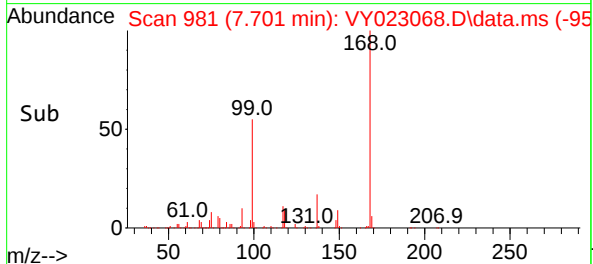
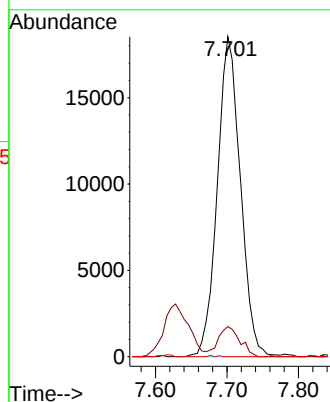
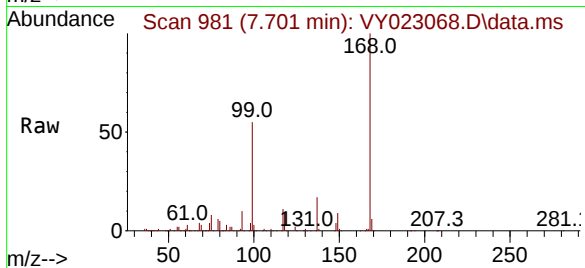
Tgt Ion: 75 Resp: 41572

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 2.863 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.085 min

Lab File: VY023068.D

Acq: 13 Aug 2025 14:32

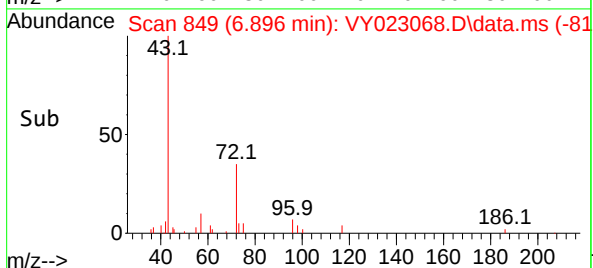
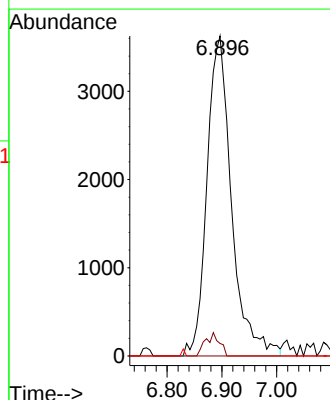
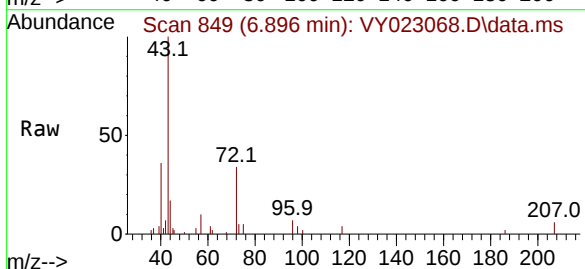
Tgt Ion: 43 Resp: 11274

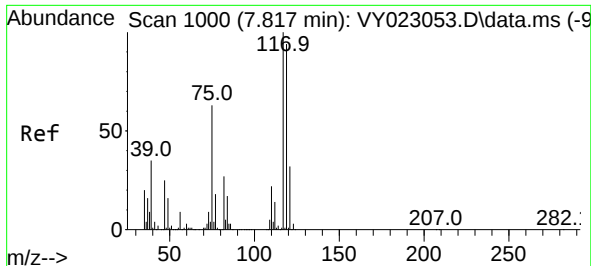
Ion Ratio Lower Upper

43 100

61 4.2 11.9 17.9#

70 0.0 8.8 13.2#

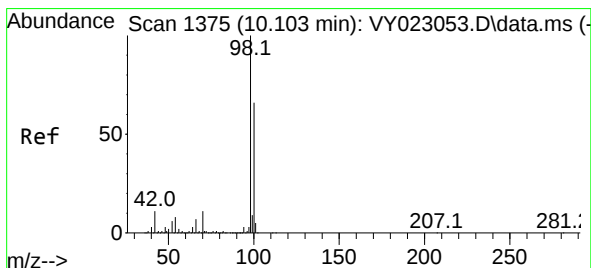
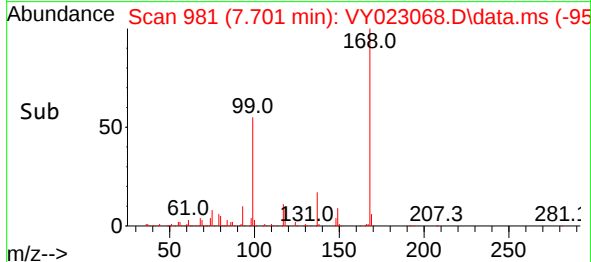
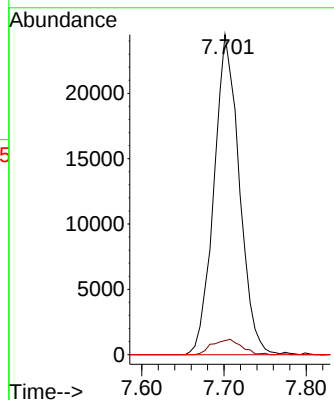
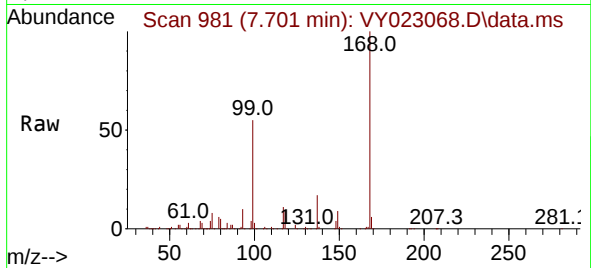




#38
Carbon Tetrachloride
Concen: 5.151 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

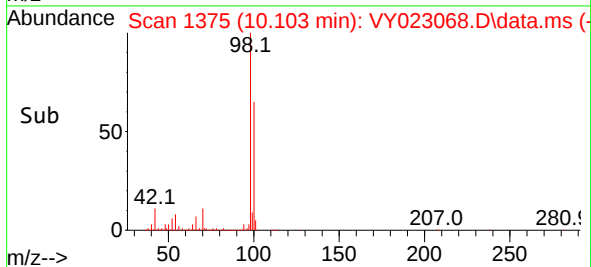
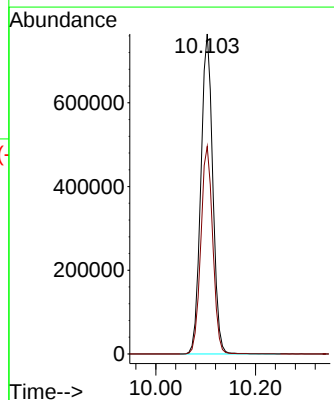
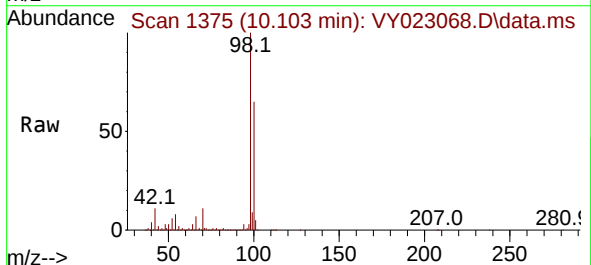
Instrument :
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TP-8-VOC

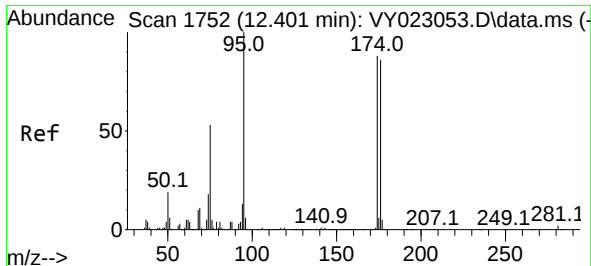
Tgt Ion:117 Resp: 52452
Ion Ratio Lower Upper
117 100
119 4.4 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.365 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 98 Resp: 1265900
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

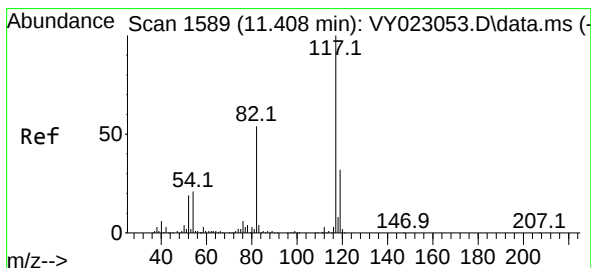
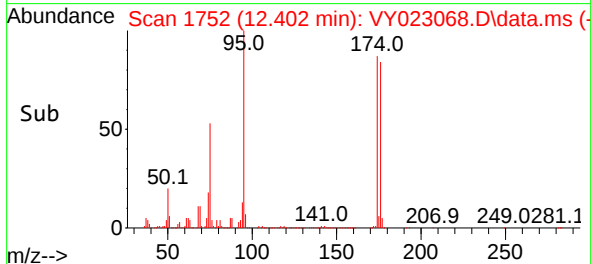
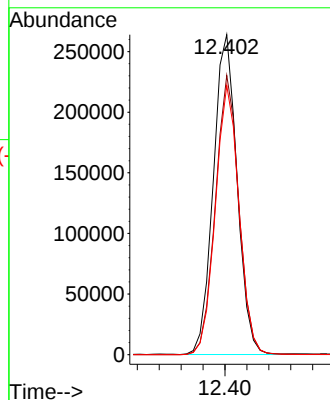
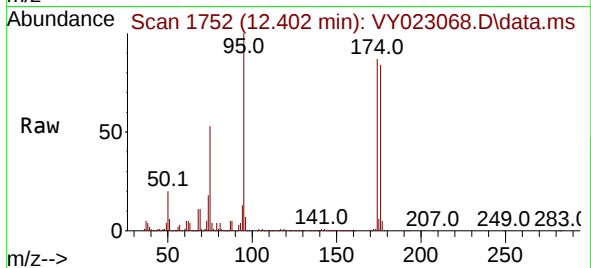




#62
4-Bromofluorobenzene
Concen: 50.015 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

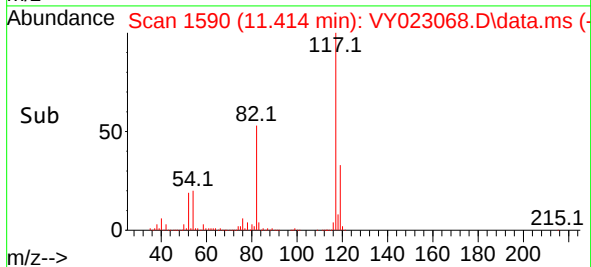
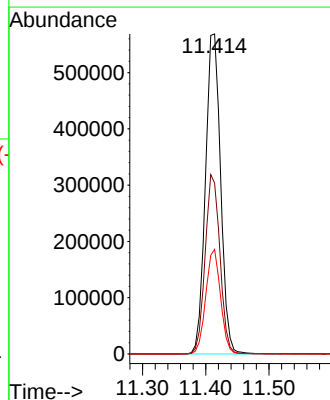
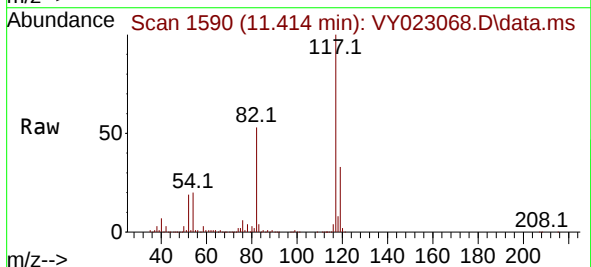
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

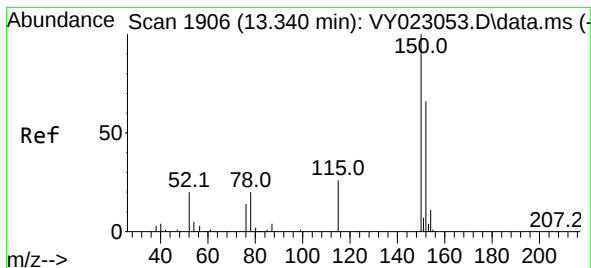
Tgt Ion: 95 Resp: 396412
Ion Ratio Lower Upper
95 100
174 86.5 0.0 171.6
176 83.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 117 Resp: 949918
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 32.7 25.6 38.4

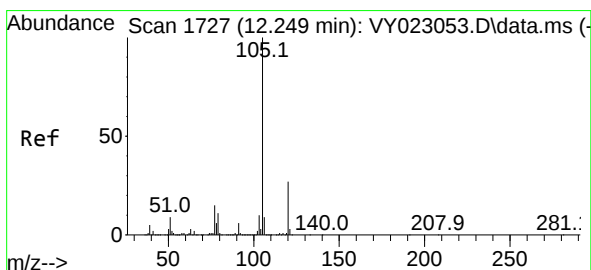
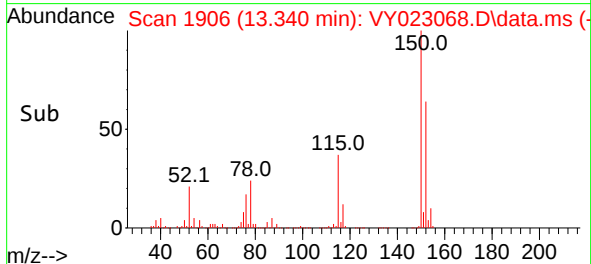
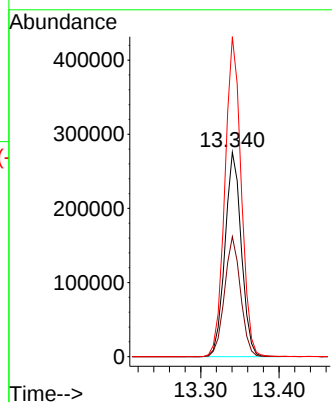
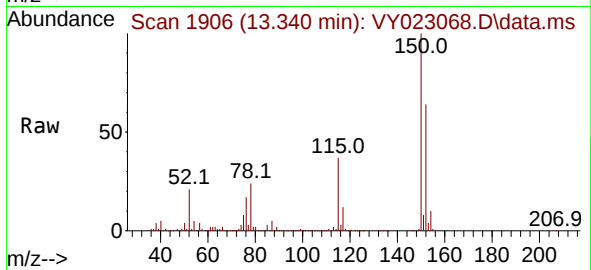




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

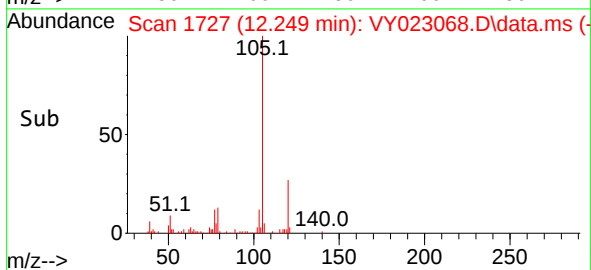
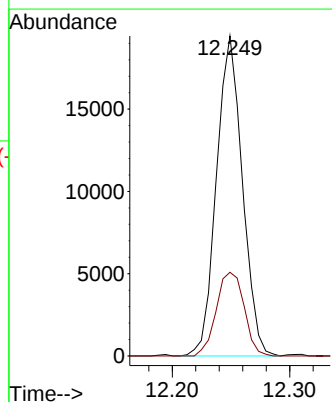
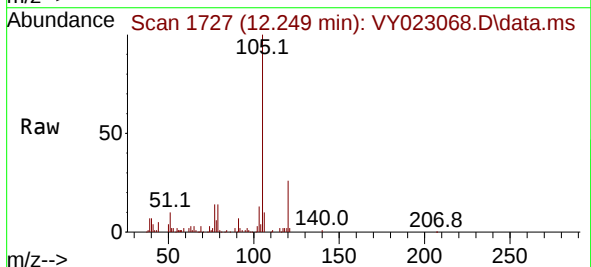
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

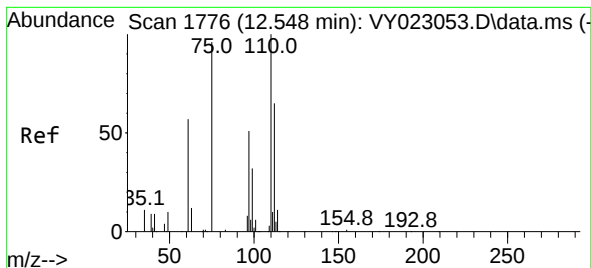
Tgt Ion:152 Resp: 400001
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.6
150 156.4 0.0 348.0



#73
Isopropylbenzene
Concen: 1.057 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

Tgt Ion:105 Resp: 29846
Ion Ratio Lower Upper
105 100
120 28.0 13.4 40.2





#76

1,2,3-Trichloropropane

Concen: 54.562 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023068.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

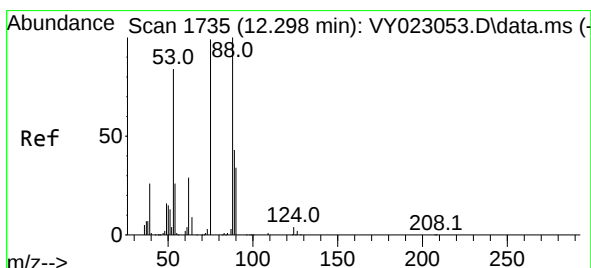
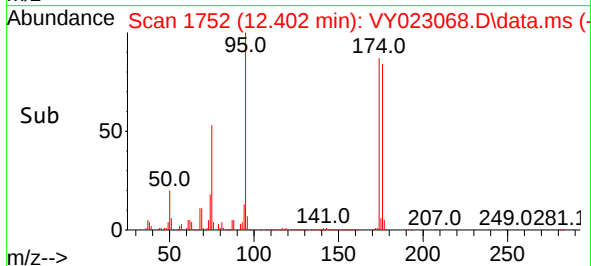
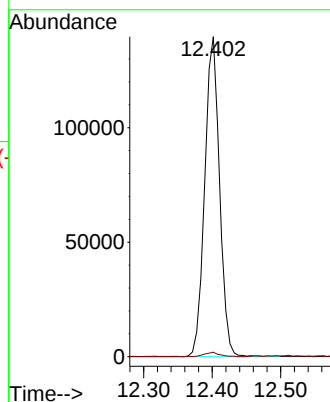
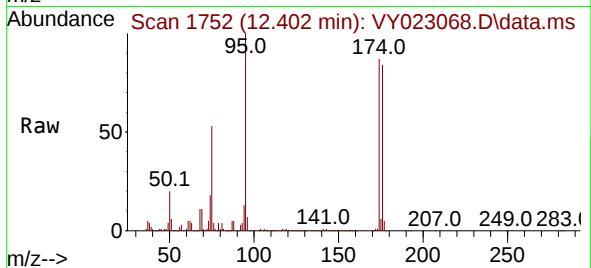
TP-8-VOC

Tgt Ion: 75 Resp: 210632

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.077 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY023068.D

Acq: 13 Aug 2025 14:32

Tgt Ion: 75 Resp: 210632

Ion Ratio Lower Upper

75 100

53 0.2 70.8 106.2#

89 0.1 38.1 57.1#

