

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023535.D
 Acq On : 21 Oct 2025 15:22
 Operator : SY/MD
 Sample : Q3410-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Oct 24 01:37:14 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)

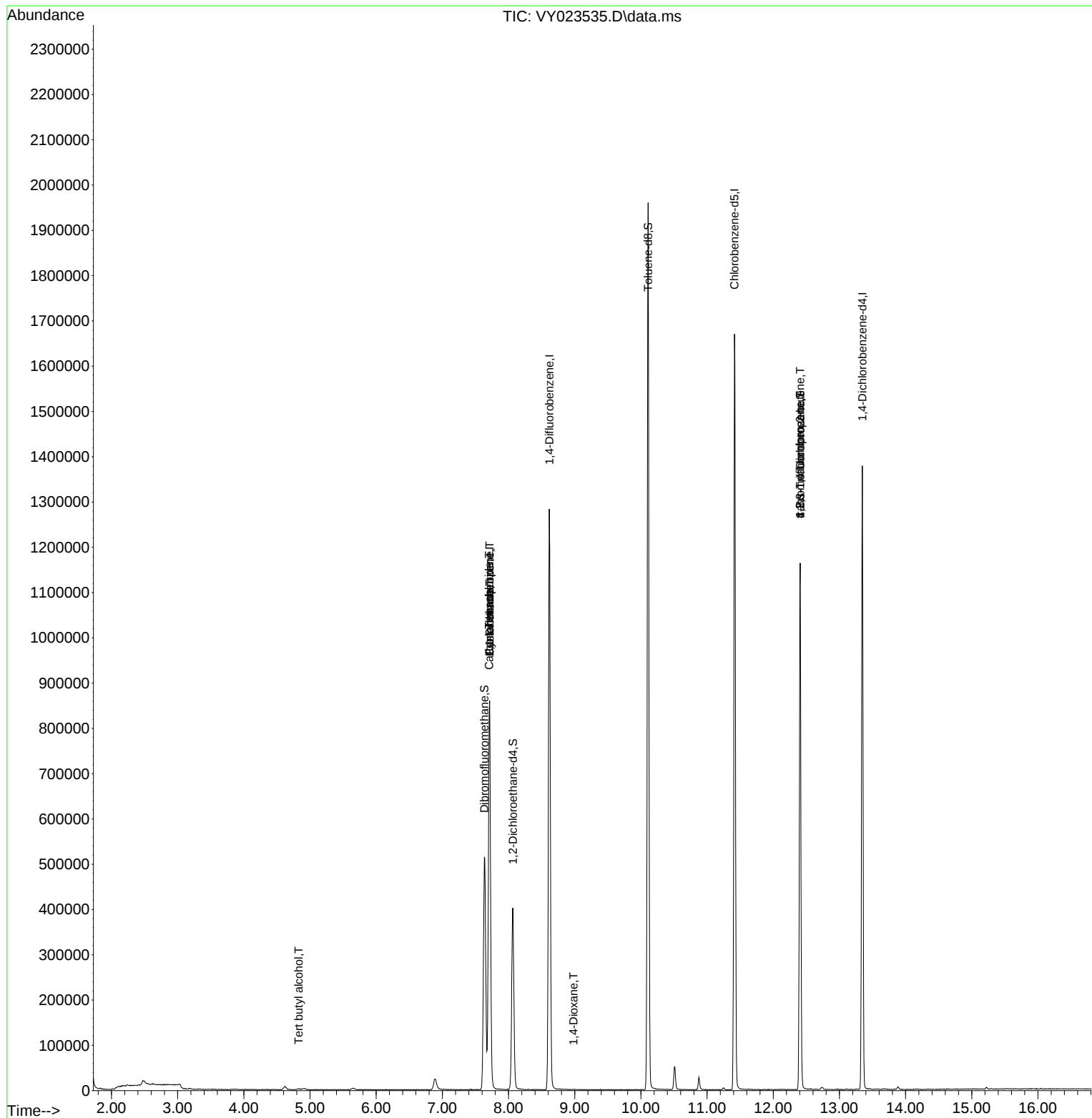
Internal Standards						
1) Pentafluorobenzene	7.713	168	730922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1192245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	968962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	369934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	314071	51.385	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.780%	
35) Dibromofluoromethane	7.634	113	373961	51.047	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.100%	
50) Toluene-d8	10.109	98	1314151	48.169	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.340%	
62) 4-Bromofluorobenzene	12.408	95	352021	39.083	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.160%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.830	59	1062	2.336	ug/l #	72
31) Cyclohexane	7.713	56	11793	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	45744	4.717	ug/l #	47
38) Carbon Tetrachloride	7.707	117	65301	5.553	ug/l #	16
49) 1,4-Dioxane	8.982	88	72	1.448	ug/l #	30
76) 1,2,3-Trichloropropane	12.408	75	167366	51.279	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	167366	125.747	ug/l #	15

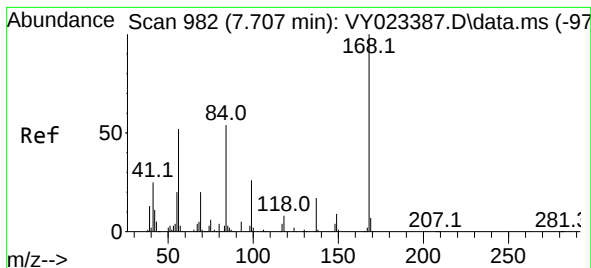
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023535.D

Acq: 21 Oct 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

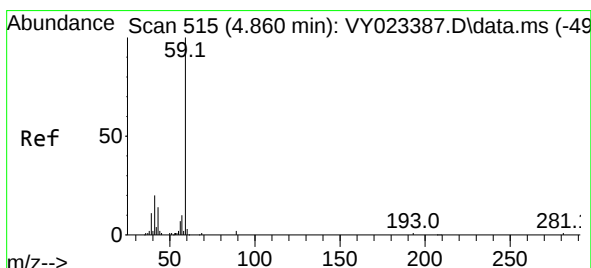
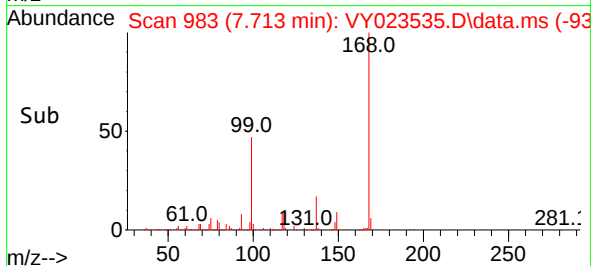
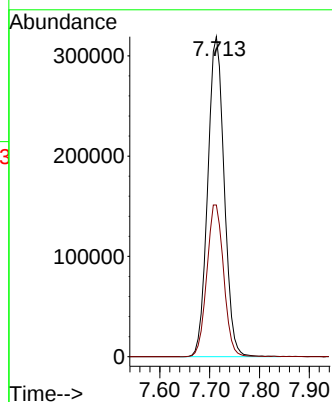
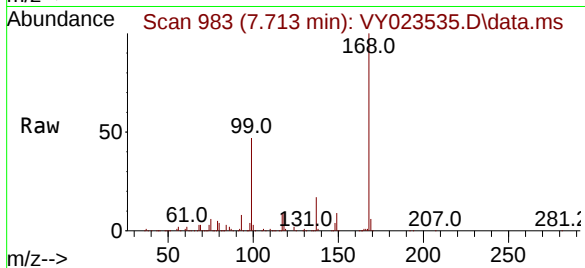
VOC

Tgt Ion:168 Resp: 730922

Ion Ratio Lower Upper

168 100

99 47.4 39.7 59.5



#11

Tert butyl alcohol

Concen: 2.336 ug/l

RT: 4.830 min Scan# 510

Delta R.T. -0.030 min

Lab File: VY023535.D

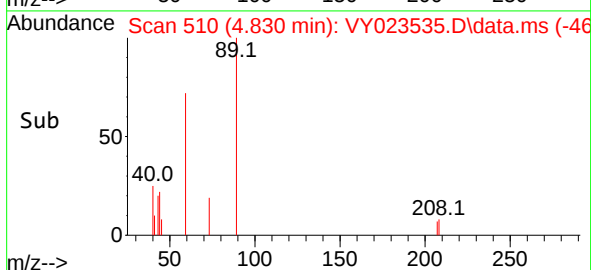
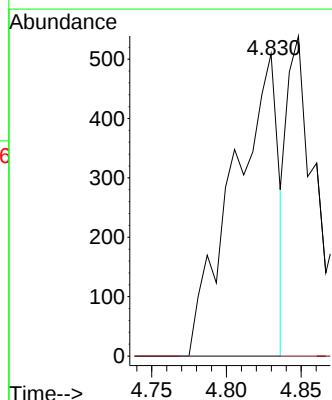
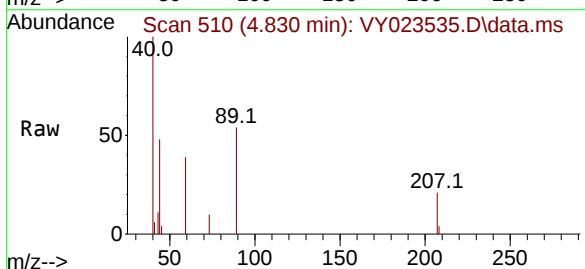
Acq: 21 Oct 2025 15:22

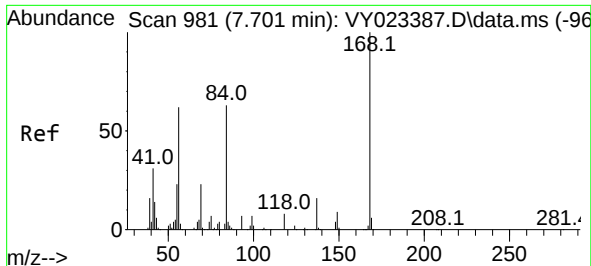
Tgt Ion: 59 Resp: 1062

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

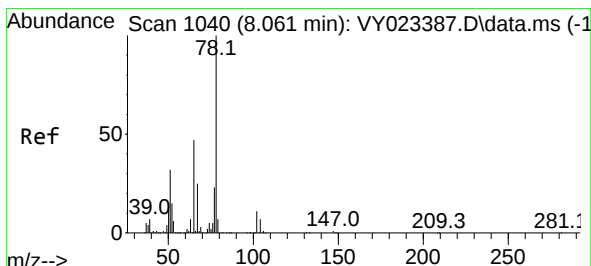
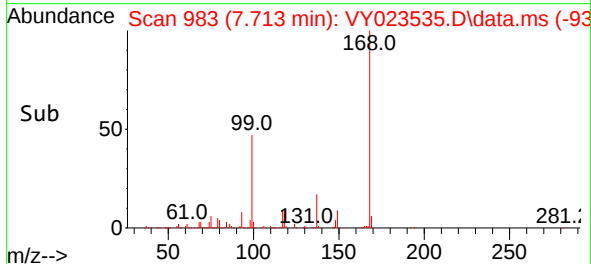
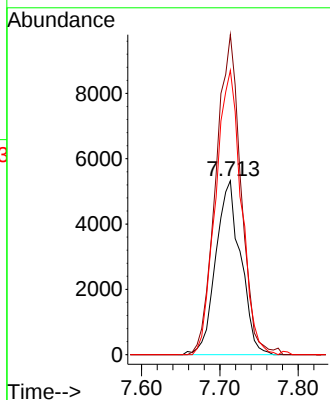
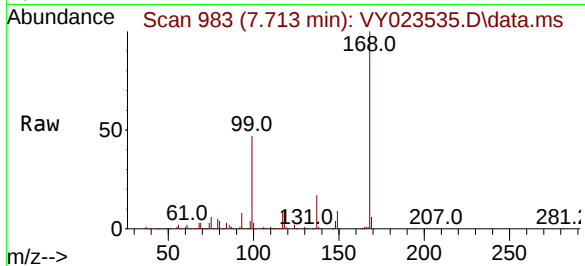




#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023535.D
Acq: 21 Oct 2025 15:22

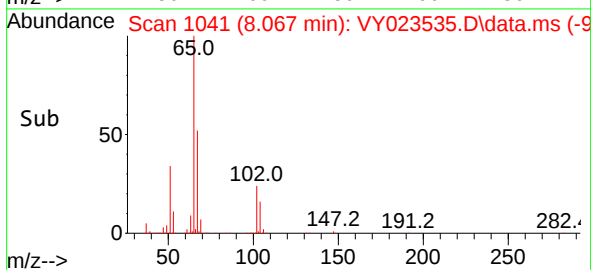
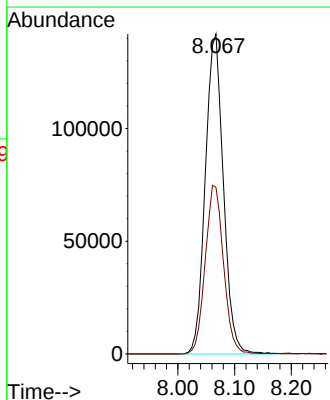
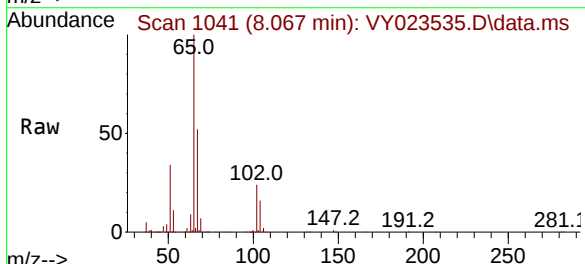
Instrument :
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VOC

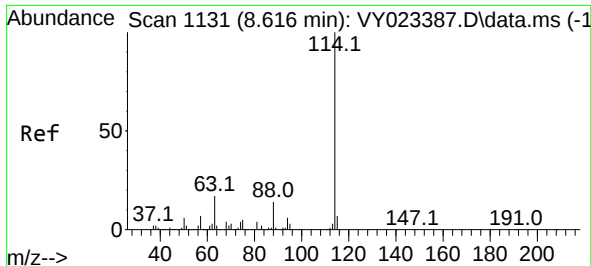
Tgt Ion: 56 Resp: 11793
Ion Ratio Lower Upper
56 100
69 183.9 30.0 45.0#
84 163.4 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 51.385 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023535.D
Acq: 21 Oct 2025 15:22

Tgt Ion: 65 Resp: 314071
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8

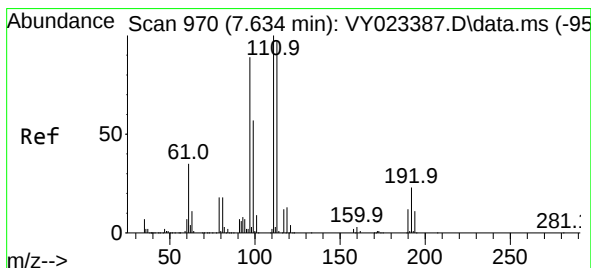
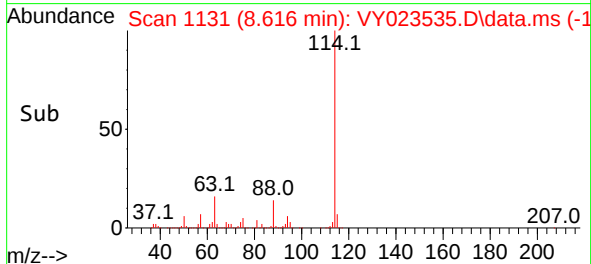
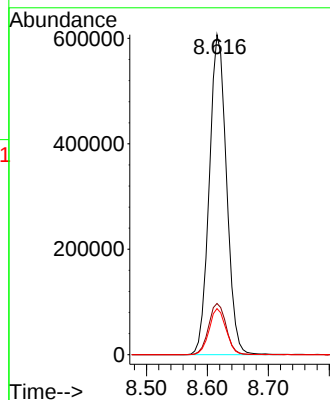
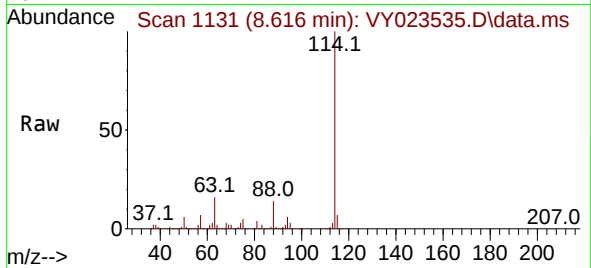




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023535.D
Acq: 21 Oct 2025 15:22

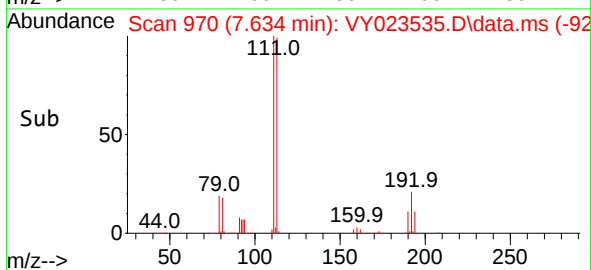
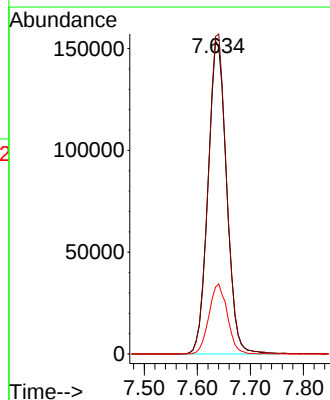
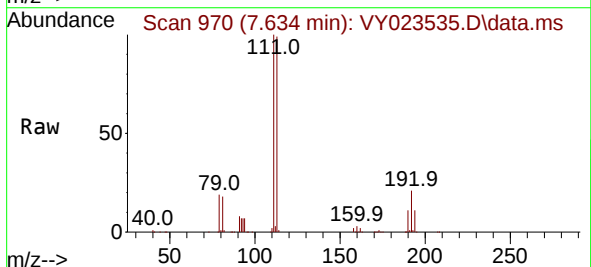
Instrument :
MSVOA_Y
ClientSampleId :
VOC

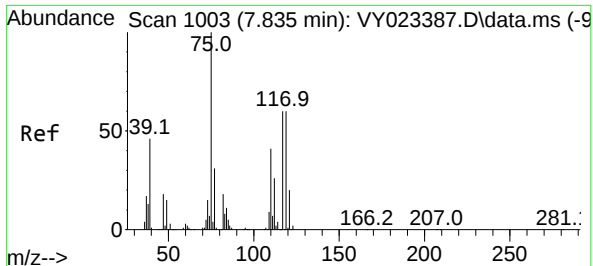
Tgt Ion:114 Resp: 1192245
Ion Ratio Lower Upper
114 100
63 16.0 0.0 34.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.047 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023535.D
Acq: 21 Oct 2025 15:22

Tgt Ion:113 Resp: 373961
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.6
192 22.1 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.717 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023535.D

Acq: 21 Oct 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

VOC

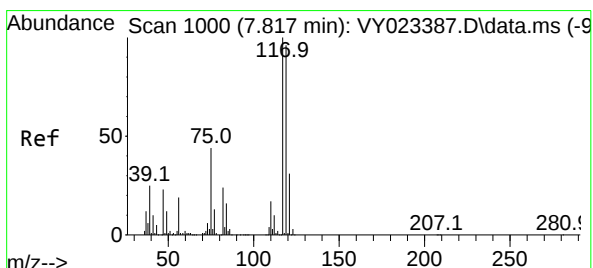
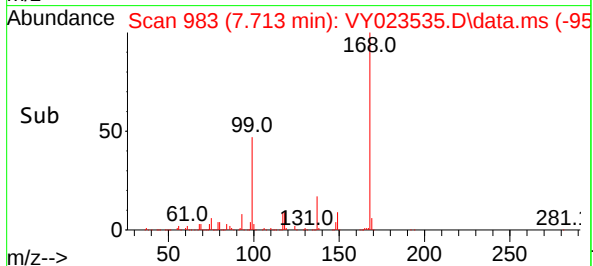
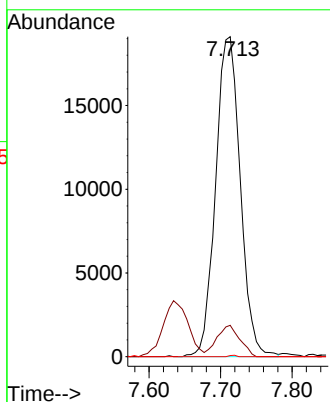
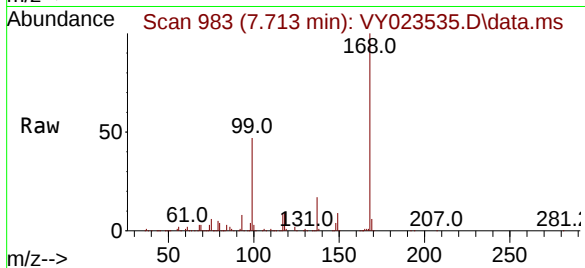
Tgt Ion: 75 Resp: 45744

Ion Ratio Lower Upper

75 100

110 9.2 19.9 59.7#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.553 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023535.D

Acq: 21 Oct 2025 15:22

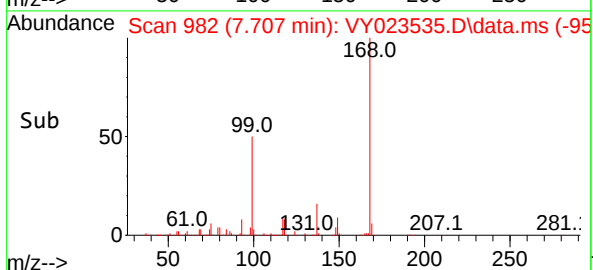
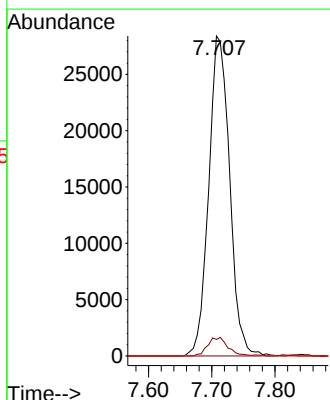
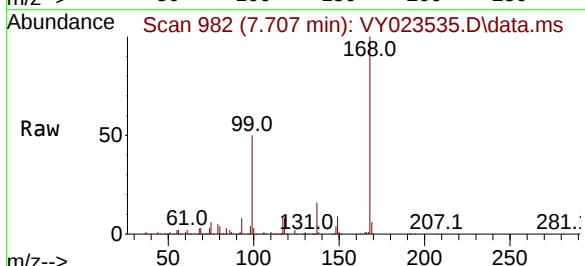
Tgt Ion: 117 Resp: 65301

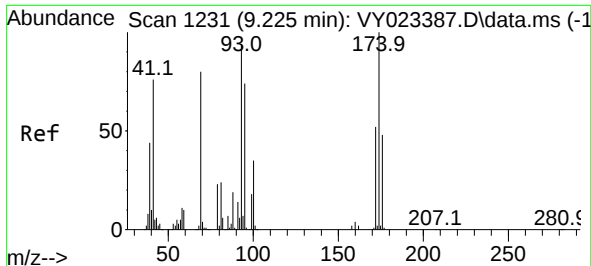
Ion Ratio Lower Upper

117 100

119 5.2 76.8 115.2#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 1.448 ug/l

RT: 8.982 min Scan# 1191

Delta R.T. -0.244 min

Lab File: VY023535.D

Acq: 21 Oct 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

VOC

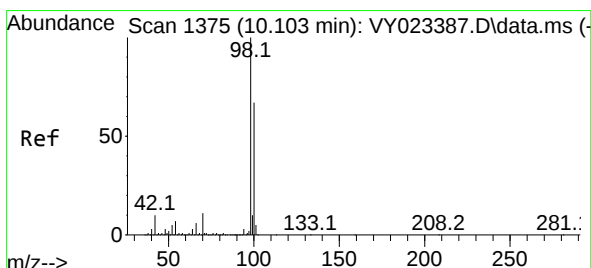
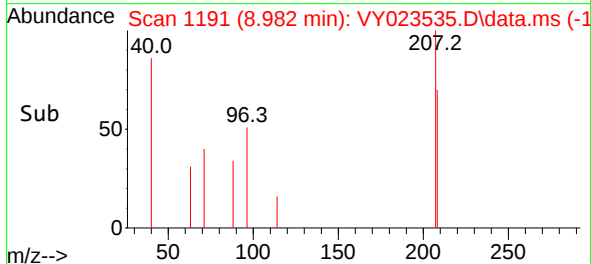
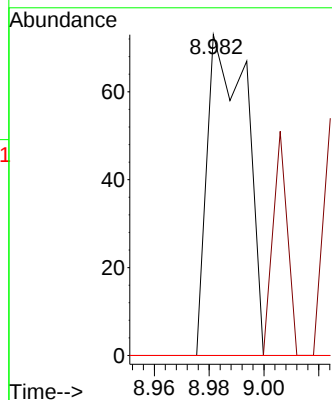
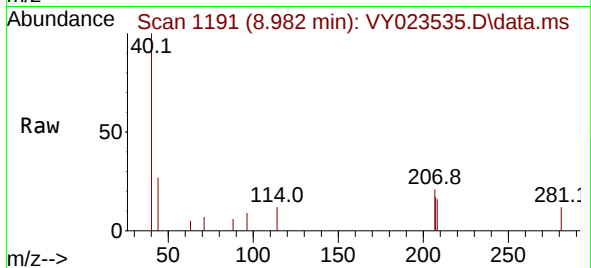
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 0.0 21.8 32.8#

58 0.0 46.8 70.2#



#50

Toluene-d8

Concen: 48.169 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023535.D

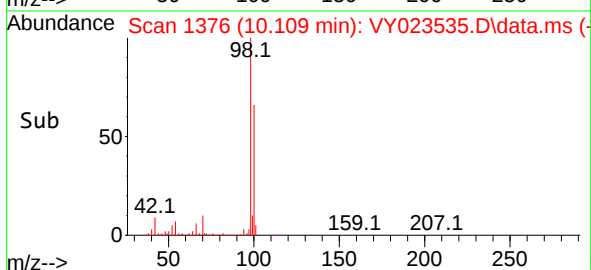
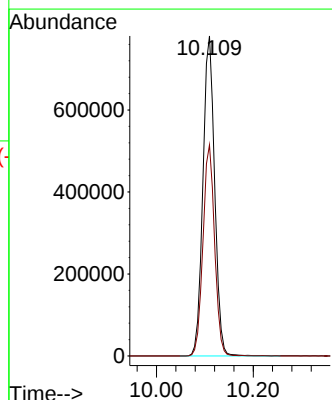
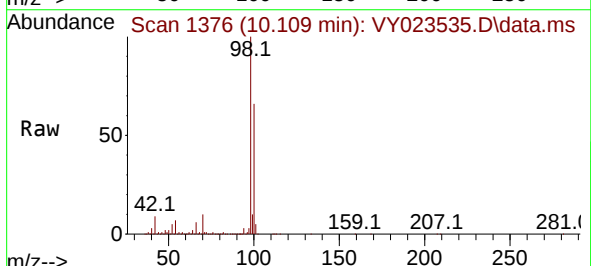
Acq: 21 Oct 2025 15:22

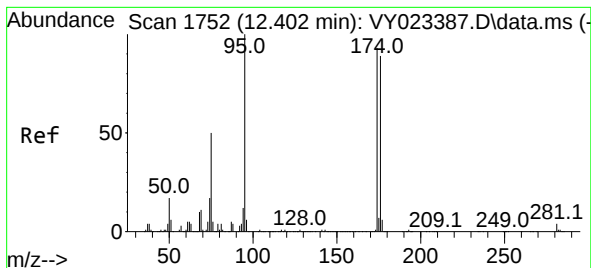
Tgt Ion: 98 Resp: 1314151

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.4

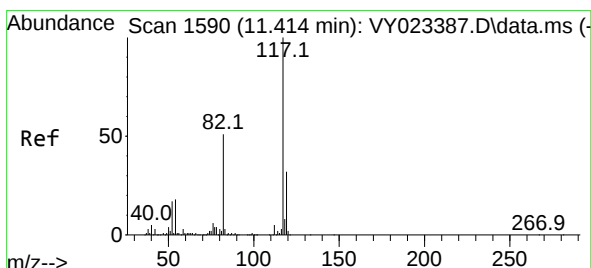
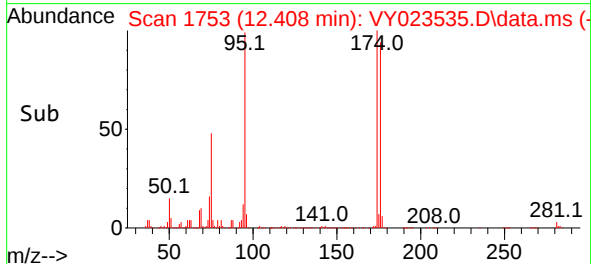
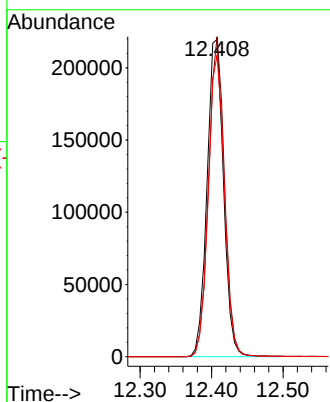
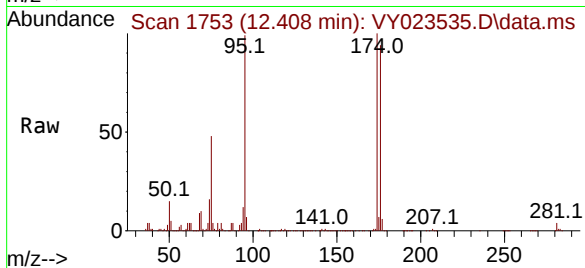




#62
4-Bromofluorobenzene
Concen: 39.083 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023535.D
Acq: 21 Oct 2025 15:22

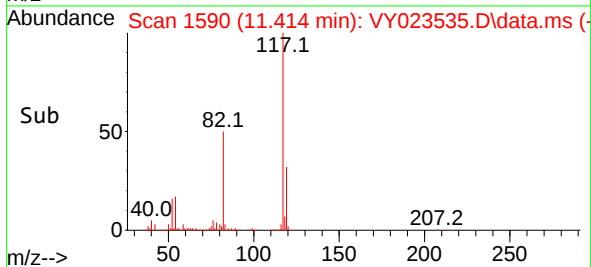
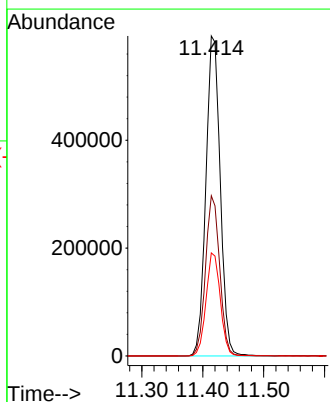
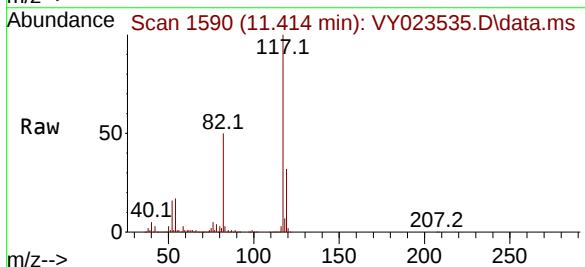
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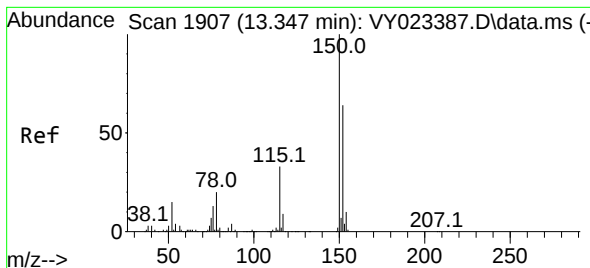
Tgt Ion: 95 Resp: 352021
Ion Ratio Lower Upper
95 100
174 97.7 0.0 192.8
176 93.1 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023535.D
Acq: 21 Oct 2025 15:22

Tgt Ion: 117 Resp: 968962
Ion Ratio Lower Upper
117 100
82 50.0 41.0 61.4
119 32.2 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023535.D

Acq: 21 Oct 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

VOC

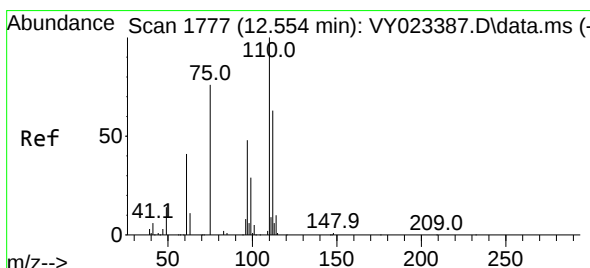
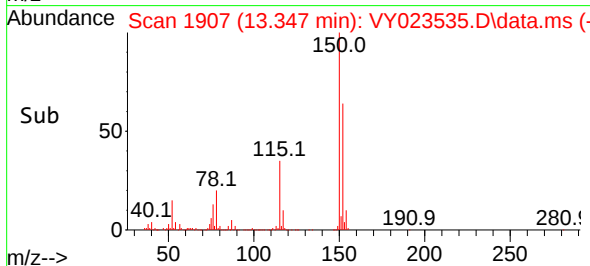
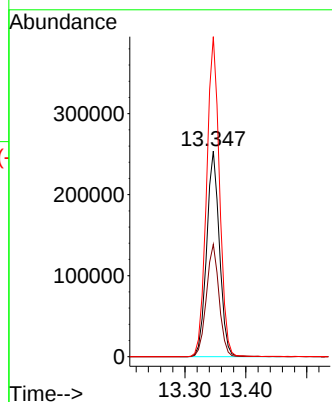
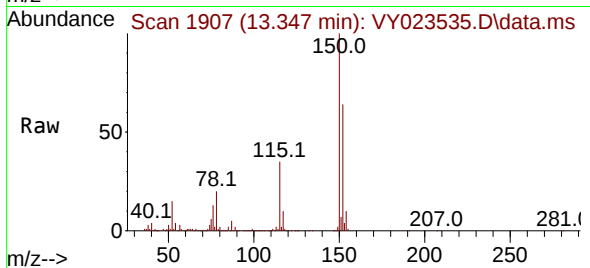
Tgt Ion:152 Resp: 369934

Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.2

150 157.1 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 51.279 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023535.D

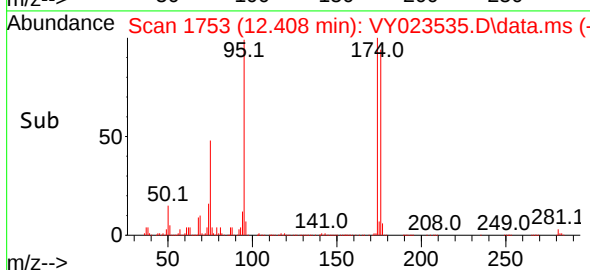
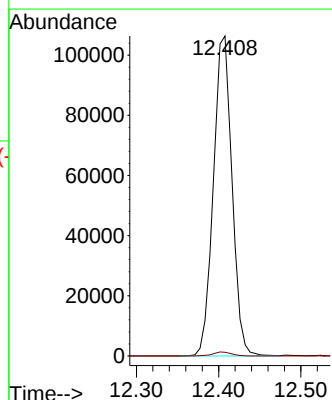
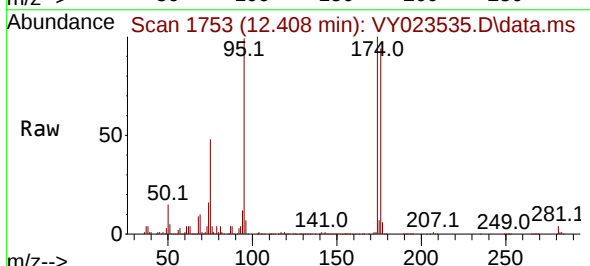
Acq: 21 Oct 2025 15:22

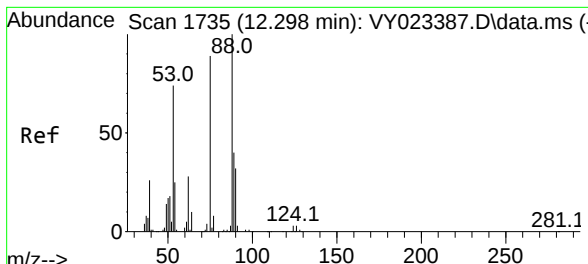
Tgt Ion: 75 Resp: 167366

Ion Ratio Lower Upper

75 100

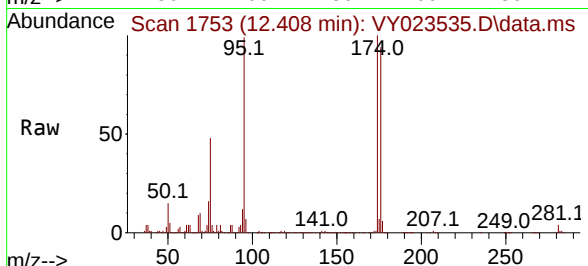
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.747 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023535.D
 Acq: 21 Oct 2025 15:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC



Tgt Ion: 75 Resp: 167366
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.6 102.8#
 89 0.1 39.0 58.4#

