

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023063.D
 Acq On : 13 Aug 2025 12:34
 Operator : SY/MD
 Sample : Q2831-02
 Misc : 3.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-238-VOC

Quant Time: Aug 14 01:22:31 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)

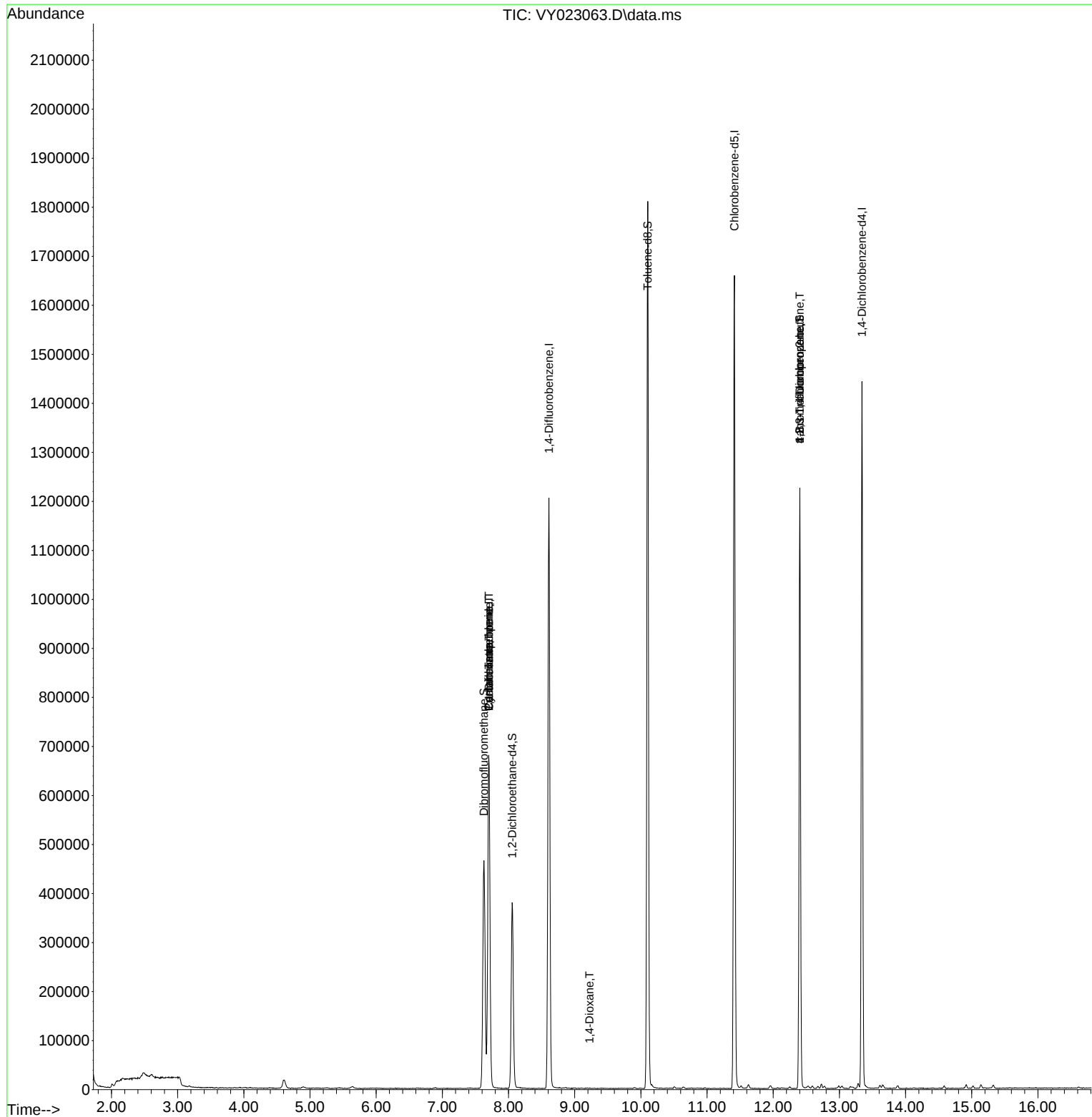
Internal Standards						
1) Pentafluorobenzene	7.701	168	537571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	1031923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	874561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	350584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	301353	58.819	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.640%			
35) Dibromofluoromethane	7.628	113	335698	54.367	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.740%			
50) Toluene-d8	10.103	98	1161177	48.138	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.280%			
62) 4-Bromofluorobenzene	12.402	95	357212	46.047	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.100%			
Target Compounds			Qvalue			
20) Methylene Chloride	4.610	84	13231	Below Cal	#	89
31) Cyclohexane	7.701	56	11801	1.237	ug/l #	20
36) 1,1-Dichloropropene	7.701	75	42267	4.606	ug/l #	50
38) Carbon Tetrachloride	7.701	117	53901	5.408	ug/l #	17
49) 1,4-Dioxane	9.225	88	44	1.005	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	190027	56.163	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	190027	135.952	ug/l #	14

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

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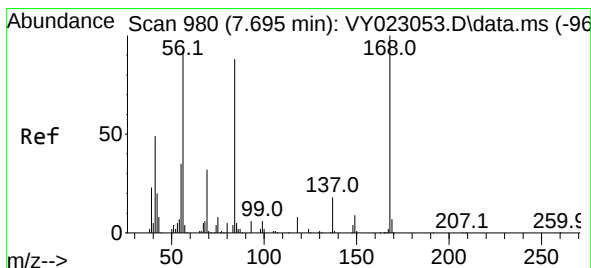
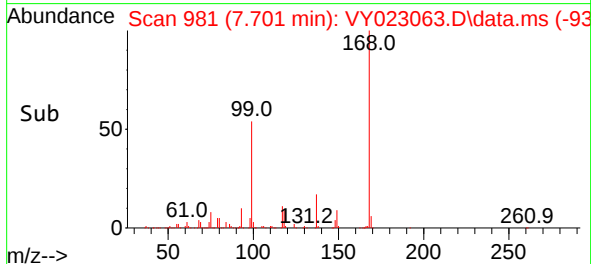
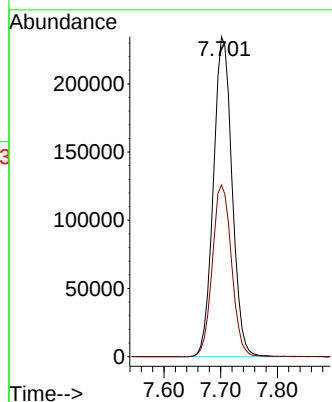
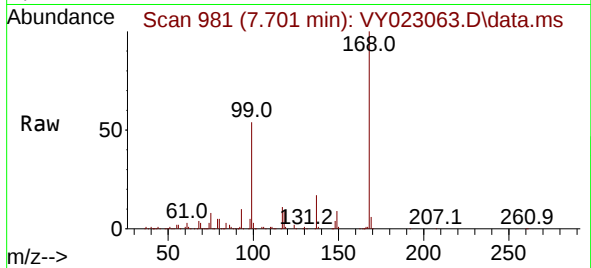




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

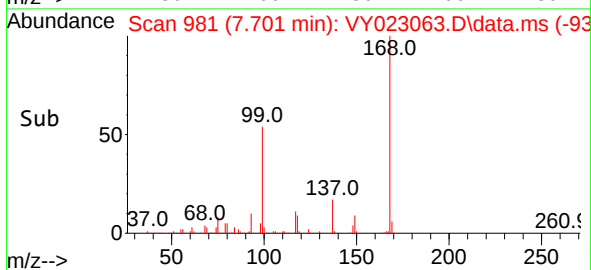
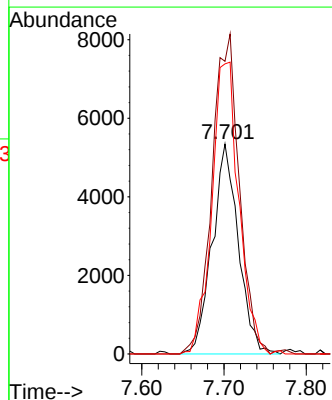
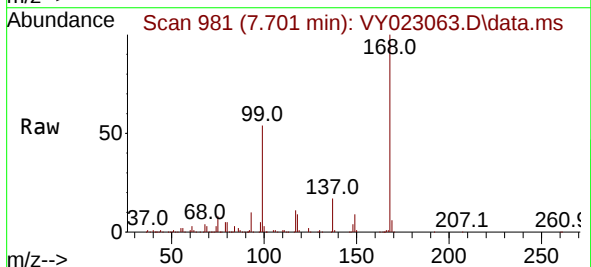
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-238-VOC

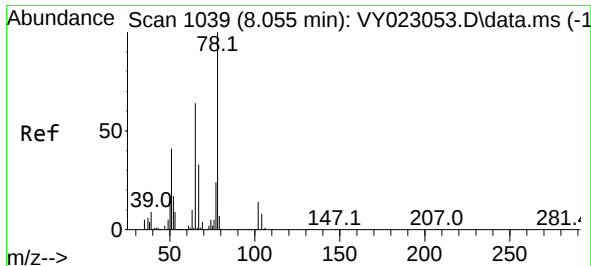
Tgt Ion:168 Resp: 537571
Ion Ratio Lower Upper
168 100
99 53.7 42.8 64.2



#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

Tgt Ion: 56 Resp: 11801
Ion Ratio Lower Upper
56 100
69 139.4 28.2 42.2#
84 138.2 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 58.819 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY023063.D

Acq: 13 Aug 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

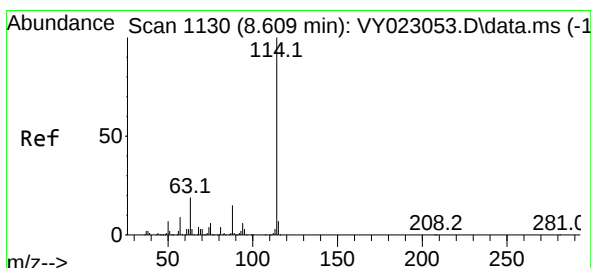
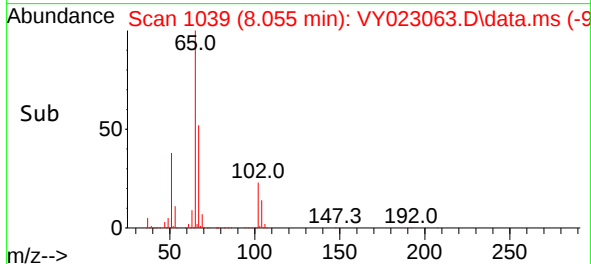
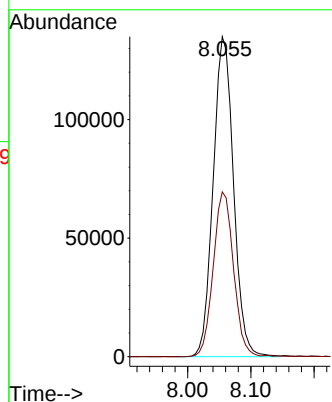
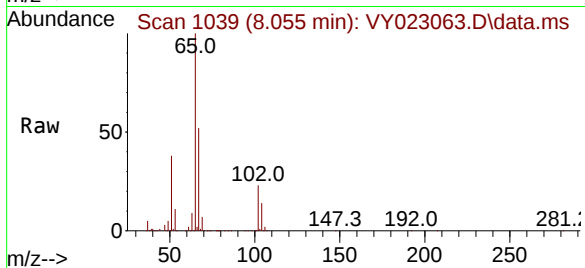
VNJ-238-VOC

Tgt Ion: 65 Resp: 301353

Ion Ratio Lower Upper

65 100

67 51.5 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: VY023063.D

Acq: 13 Aug 2025 12:34

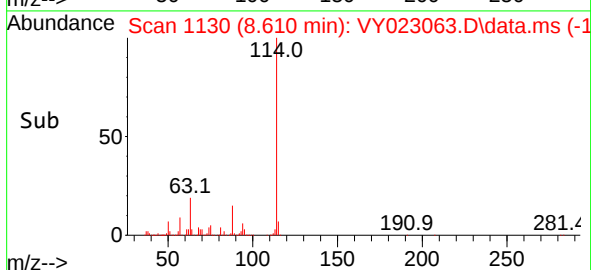
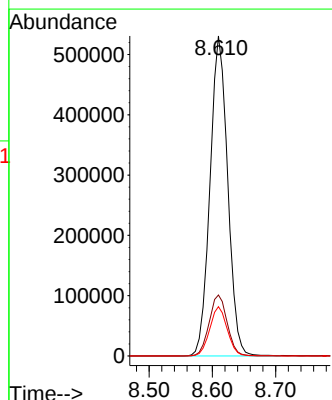
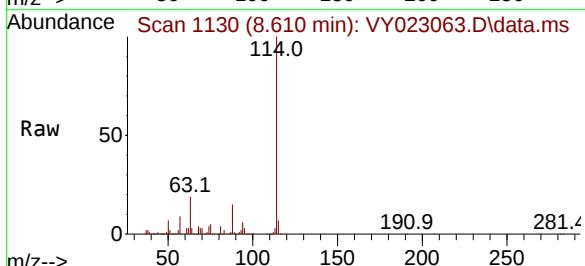
Tgt Ion:114 Resp: 1031923

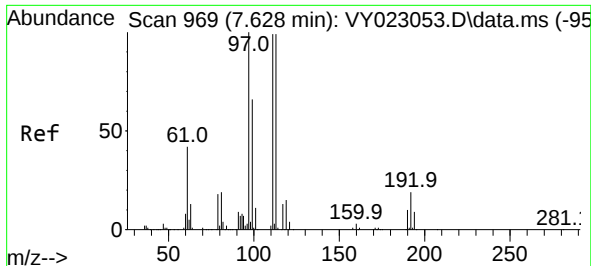
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 15.4 0.0 30.0

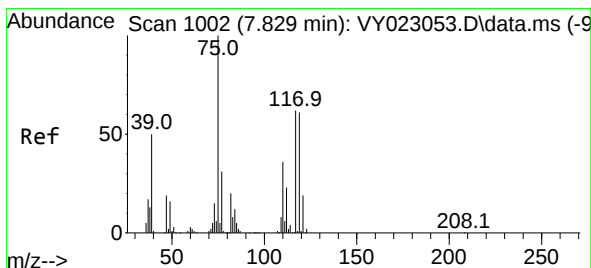
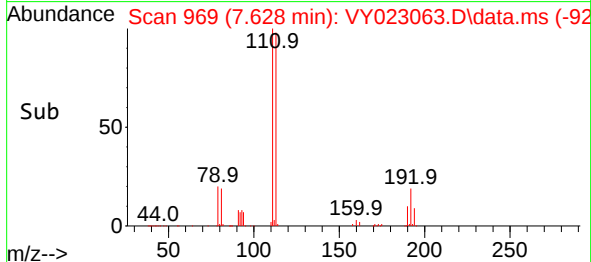
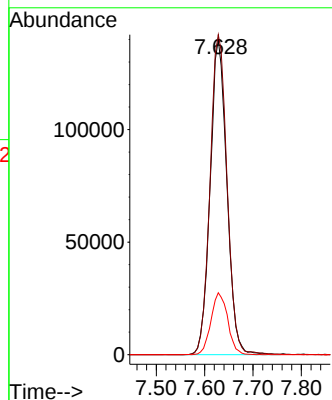
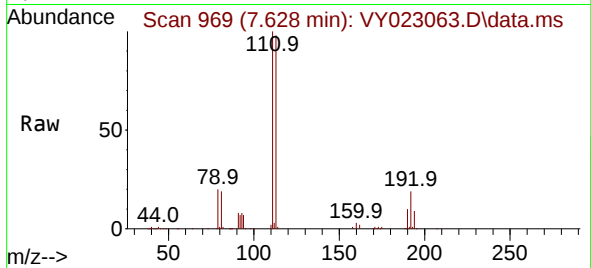




#35
Dibromofluoromethane
Concen: 54.367 ug/l
RT: 7.628 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

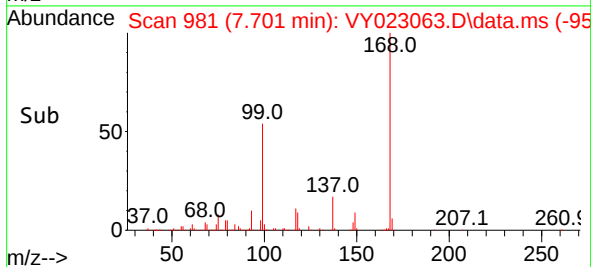
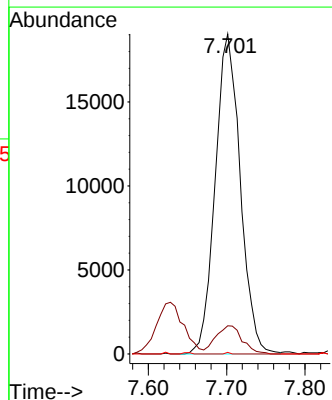
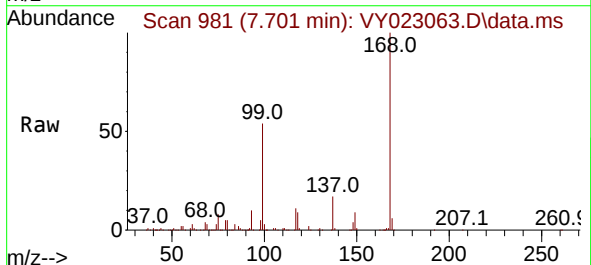
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-238-VOC

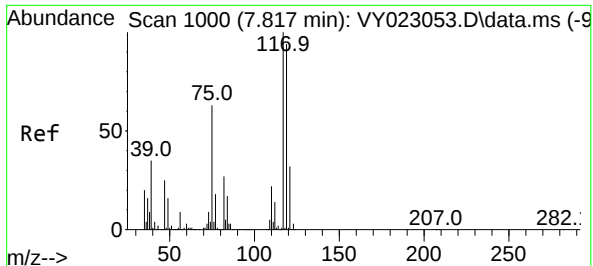
Tgt Ion:113 Resp: 335698
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 19.7 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.606 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

Tgt Ion: 75 Resp: 42267
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.1 24.6 37.0#

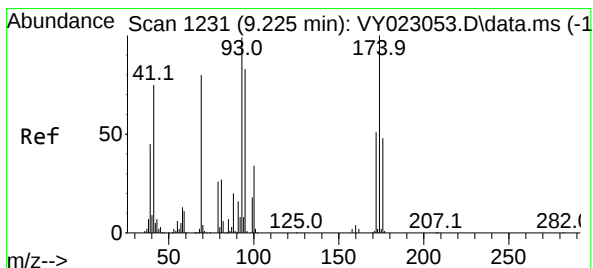
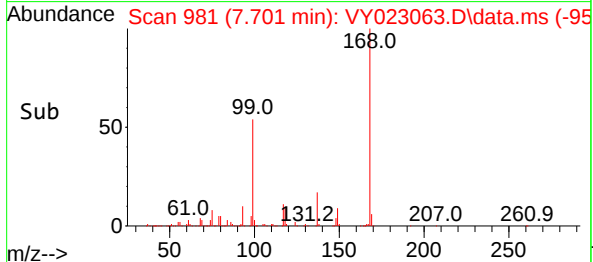
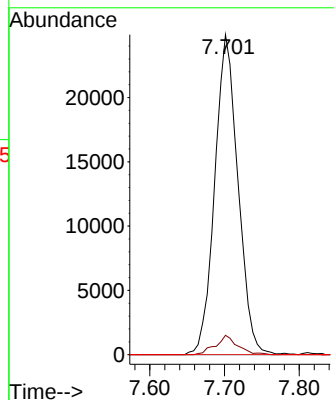
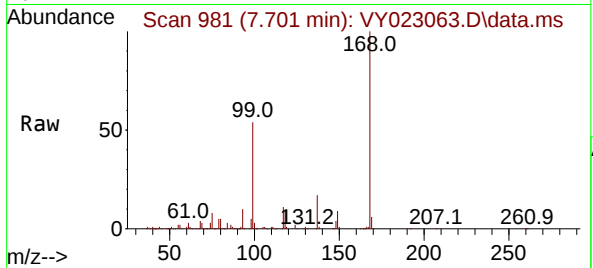




#38
Carbon Tetrachloride
Concen: 5.408 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

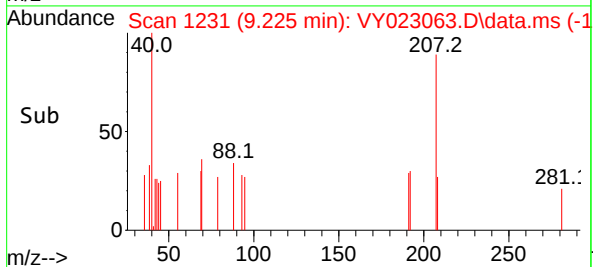
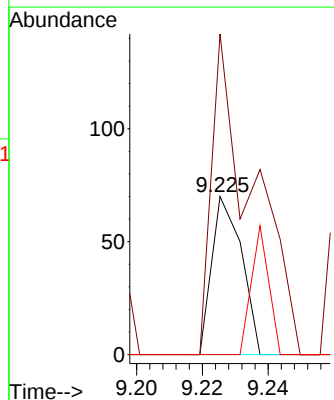
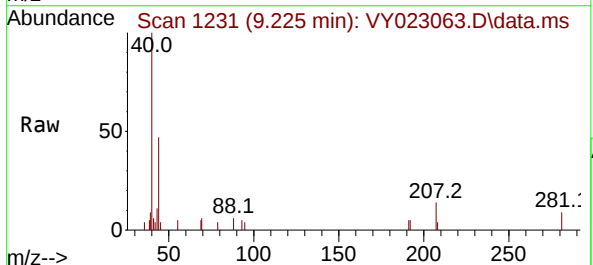
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-238-VOC

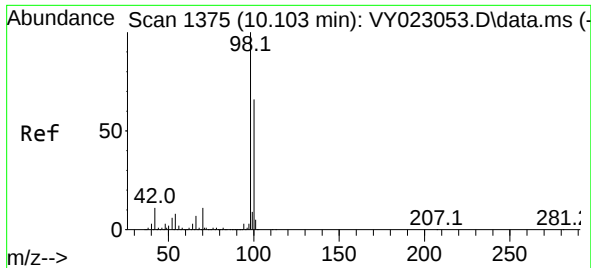
Tgt Ion:117 Resp: 53901
Ion Ratio Lower Upper
117 100
119 6.1 75.6 113.4#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 1.005 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 279.5 24.3 36.5#
58 47.7 55.4 83.0#

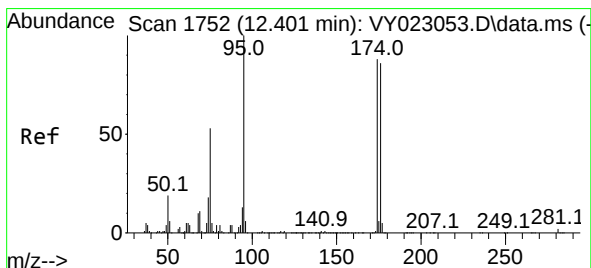
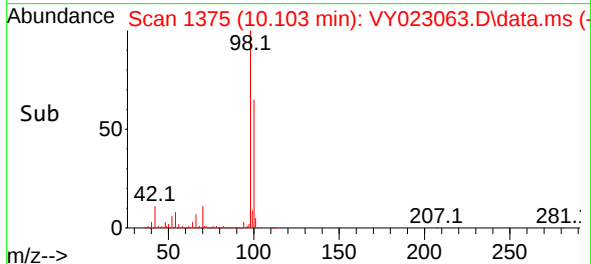
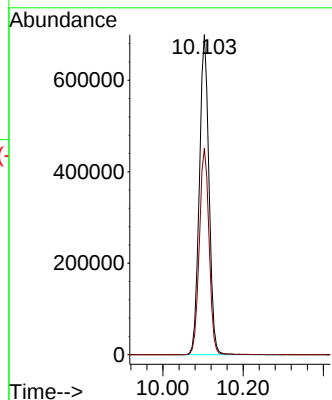
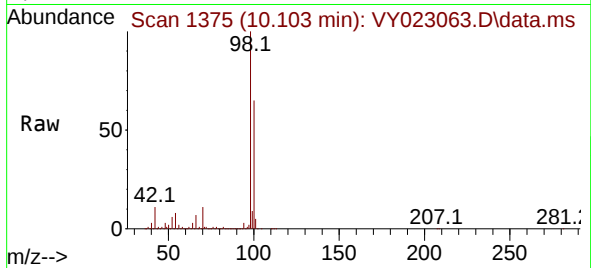




#50
Toluene-d8
Concen: 48.138 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

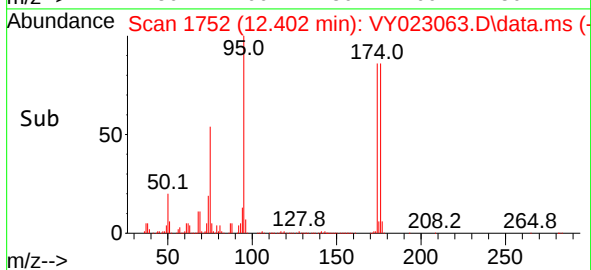
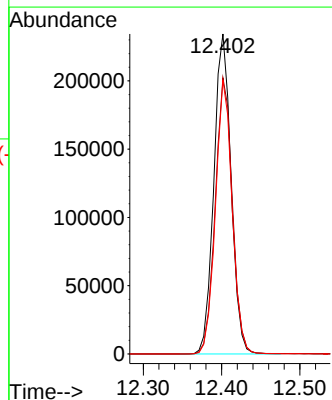
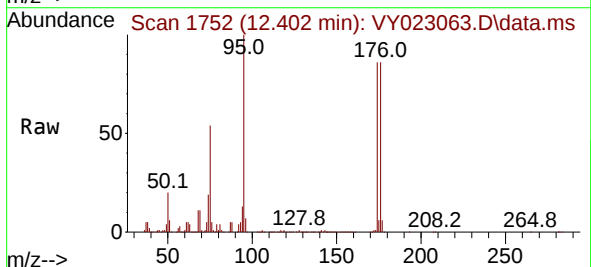
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-238-VOC

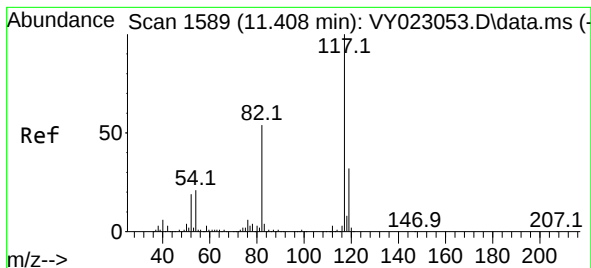
Tgt Ion: 98 Resp: 1161177
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.047 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

Tgt Ion: 95 Resp: 357212
Ion Ratio Lower Upper
95 100
174 86.2 0.0 171.6
176 83.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023063.D

Acq: 13 Aug 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-238-VOC

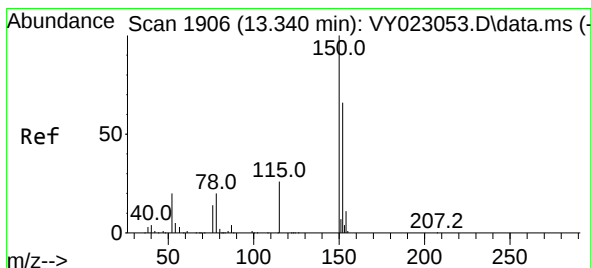
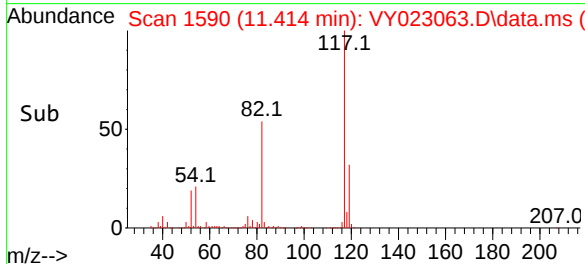
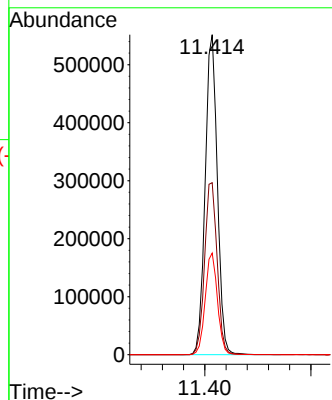
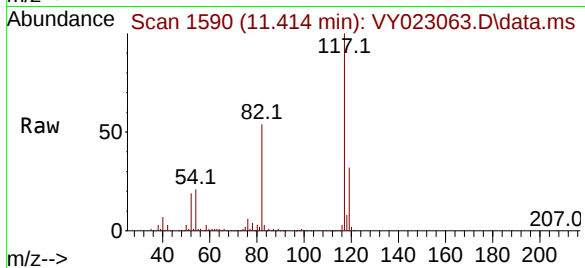
Tgt Ion:117 Resp: 874561

Ion Ratio Lower Upper

117 100

82 53.8 43.4 65.0

119 31.7 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: VY023063.D

Acq: 13 Aug 2025 12:34

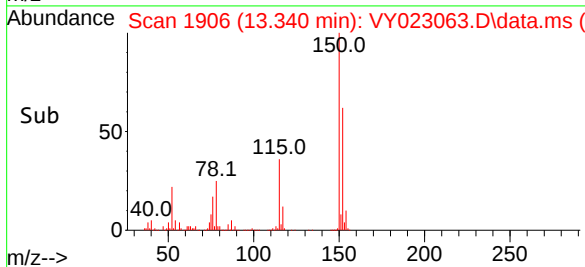
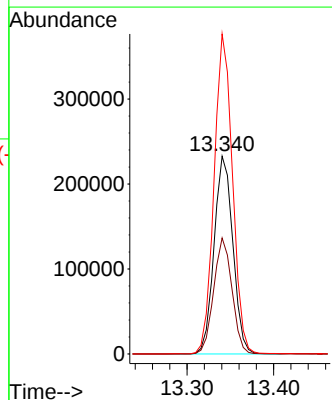
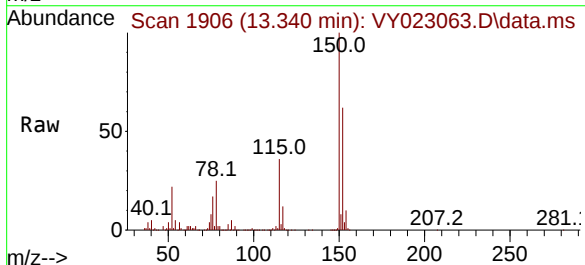
Tgt Ion:152 Resp: 350584

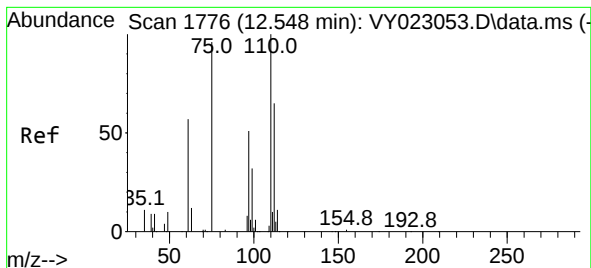
Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.6

150 158.5 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 56.163 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023063.D

Acq: 13 Aug 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

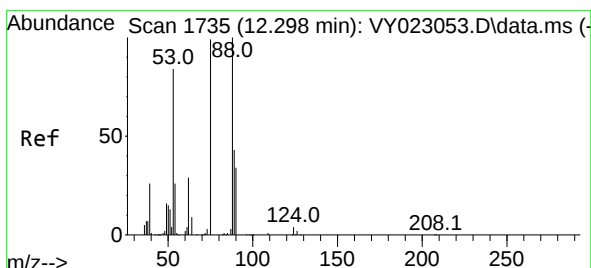
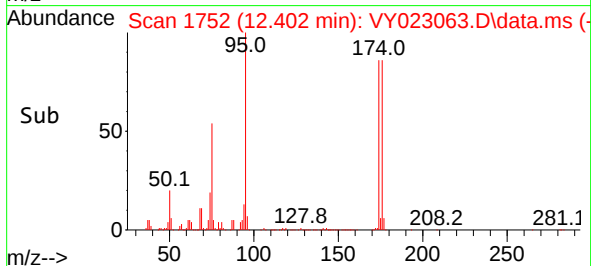
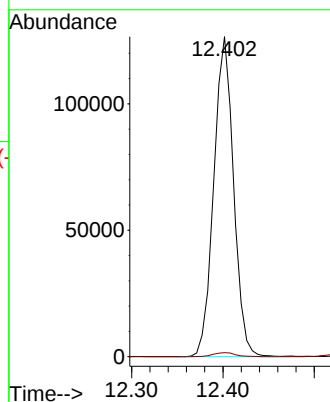
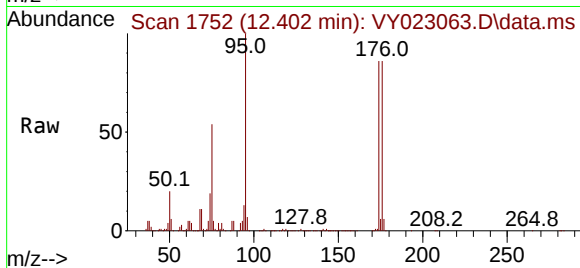
VNJ-238-VOC

Tgt Ion: 75 Resp: 190027

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.952 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY023063.D

Acq: 13 Aug 2025 12:34

Tgt Ion: 75 Resp: 190027

Ion Ratio Lower Upper

75 100

53 0.1 70.8 106.2#

89 0.0 38.1 57.1#

