

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051325\
 Data File : VY022246.D
 Acq On : 13 May 2025 16:20
 Operator : SY/MD
 Sample : Q2007-08
 Misc : 6.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-11

Quant Time: May 14 04:35:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

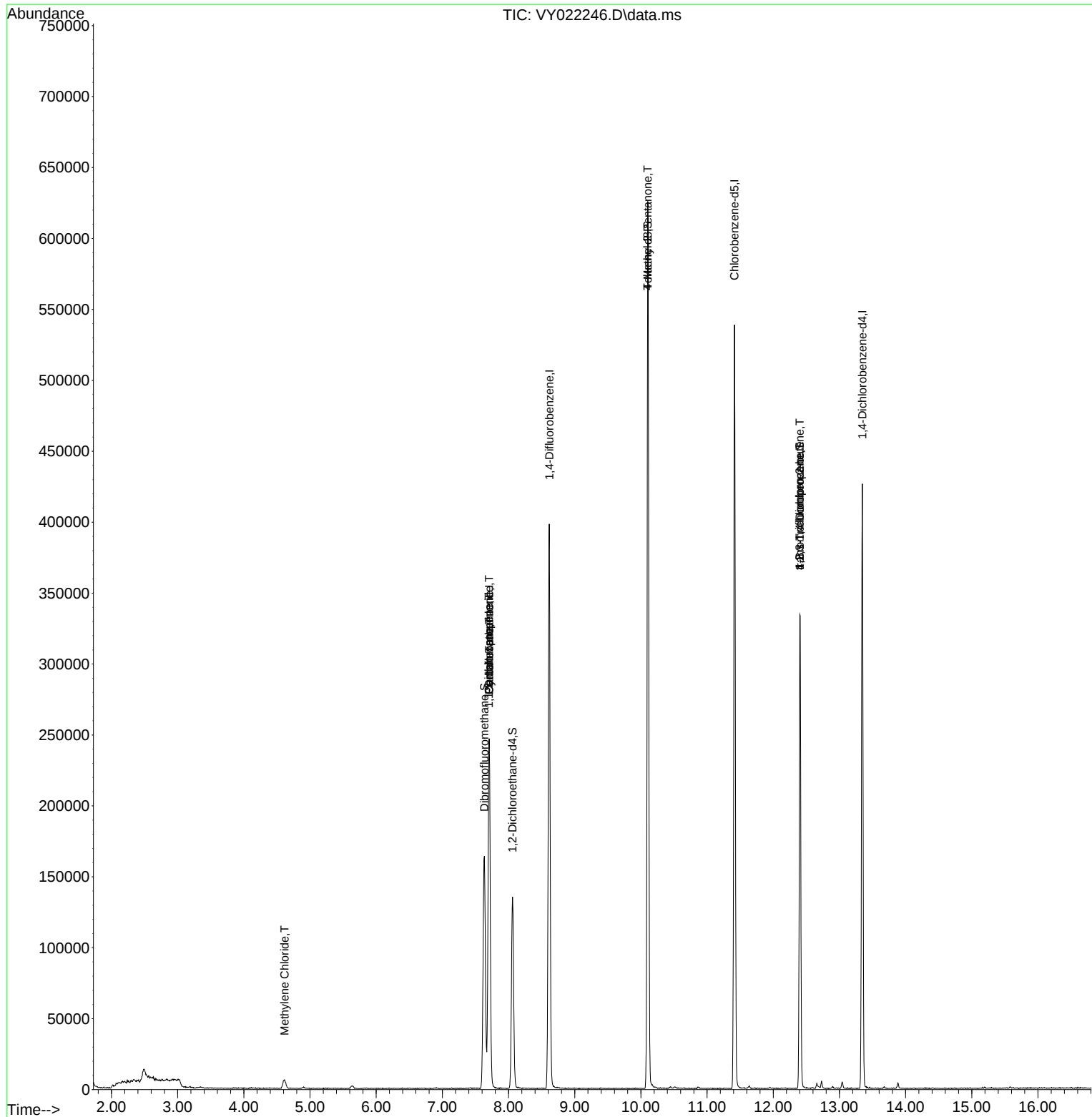
Internal Standards						
1) Pentafluorobenzene	7.707	168	196124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	344431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	289702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	113212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	107167	59.157	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.320%
35) Dibromofluoromethane	7.634	113	119286	52.422	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.840%
50) Toluene-d8	10.103	98	414494	48.317	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.640%
62) 4-Bromofluorobenzene	12.402	95	104053	36.031	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.060%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	621	Below Cal	#	75
20) Methylene Chloride	4.616	84	4868	2.125	ug/l	94
31) Cyclohexane	7.707	56	3914	1.307	ug/l #	5
36) 1,1-Dichloropropene	7.701	75	14862	4.862	ug/l #	49
38) Carbon Tetrachloride	7.707	117	19826	5.428	ug/l #	15
51) 4-Methyl-2-Pentanone	10.103	43	1324	1.198	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	51941	53.563	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	51941	128.988	ug/l #	16

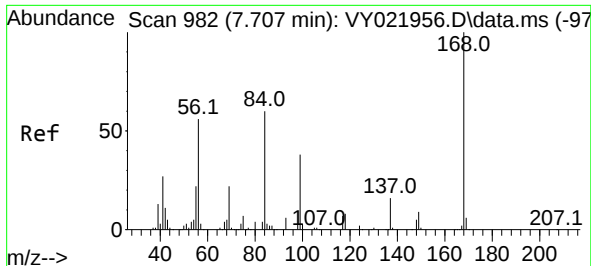
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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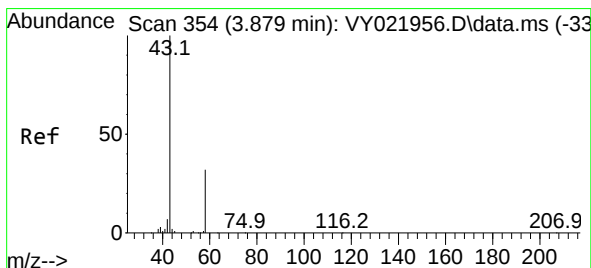
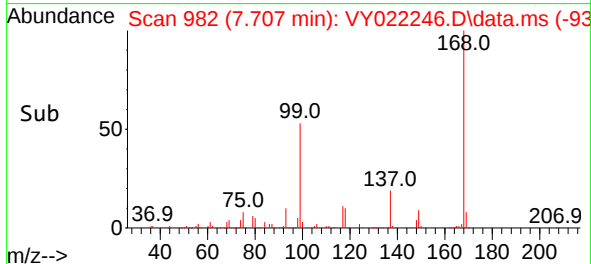
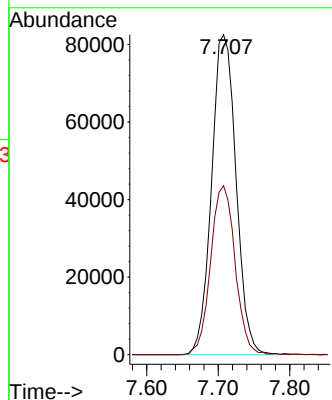
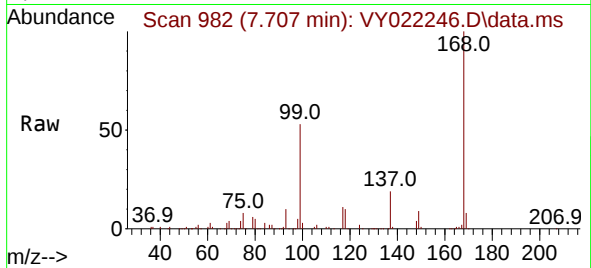




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022246.D
Acq: 13 May 2025 16:20

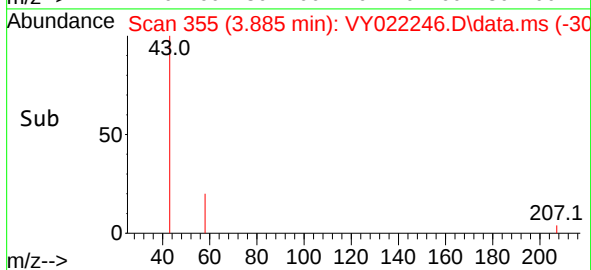
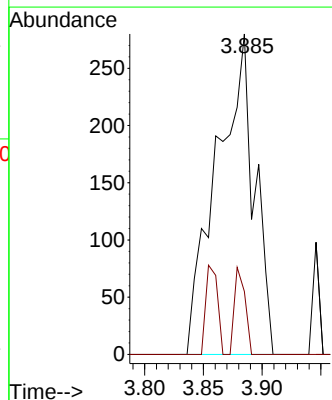
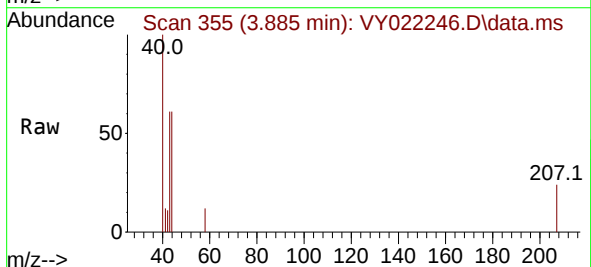
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-11

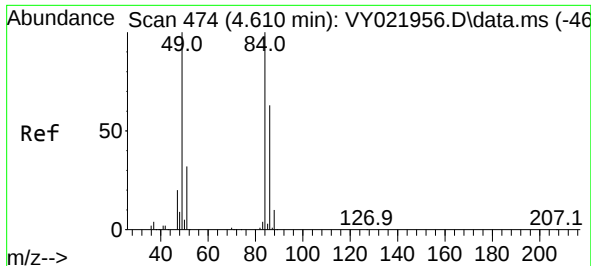
Tgt Ion:168 Resp: 196124
Ion Ratio Lower Upper
168 100
99 52.8 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022246.D
Acq: 13 May 2025 16:20

Tgt Ion: 43 Resp: 621
Ion Ratio Lower Upper
43 100
58 19.6 27.0 40.4#

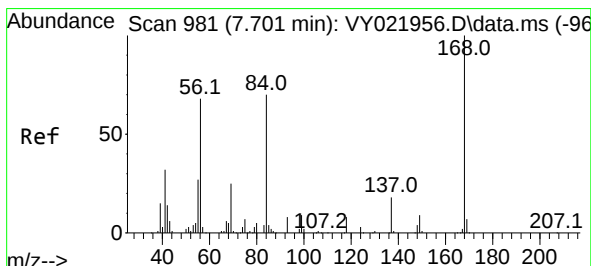
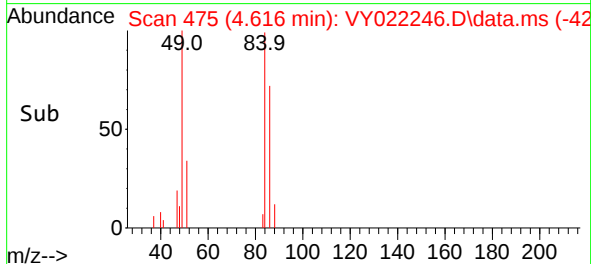
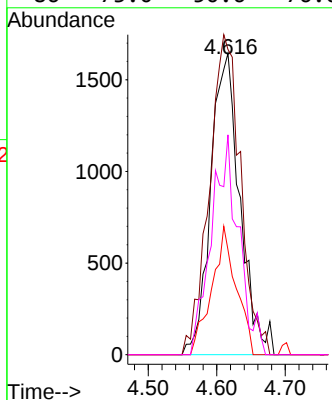
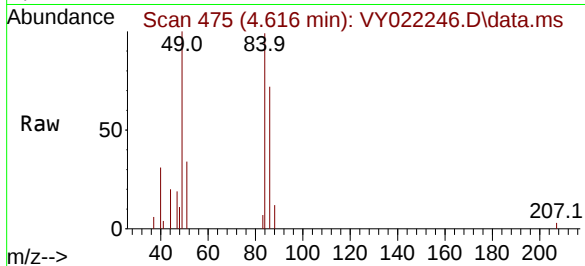




#20
Methylene Chloride
Concen: 2.125 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022246.D
Acq: 13 May 2025 16:20

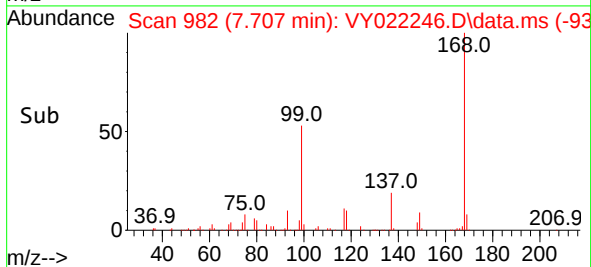
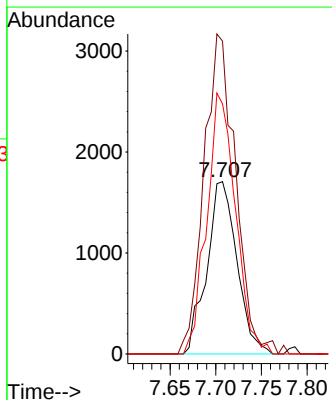
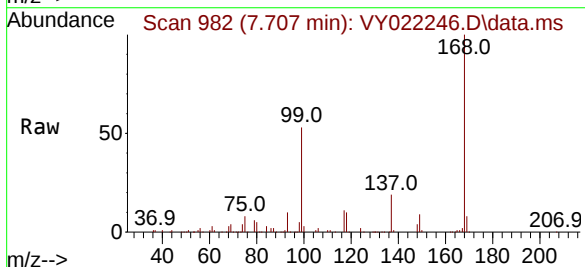
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-11

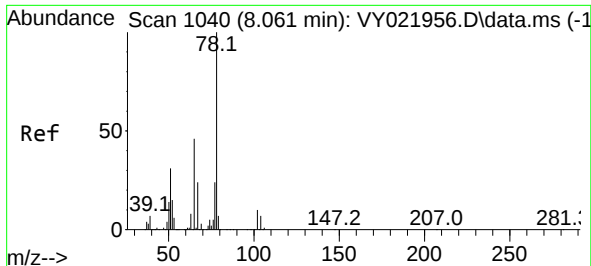
Tgt Ion:	84	Resp:	4868
Ion	Ratio	Lower	Upper
84	100		
49	101.3	79.9	119.9
51	34.9	25.4	38.0
86	73.0	50.6	76.0



#31
Cyclohexane
Concen: 1.307 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022246.D
Acq: 13 May 2025 16:20

Tgt Ion:	56	Resp:	3914
Ion	Ratio	Lower	Upper
56	100		
69	181.6	29.4	44.2#
84	145.1	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 59.157 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY022246.D

Acq: 13 May 2025 16:20

Instrument :

MSVOA_Y

ClientSampleId :

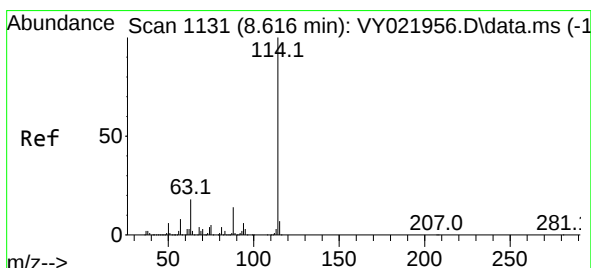
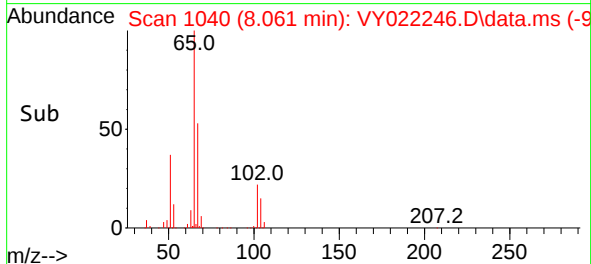
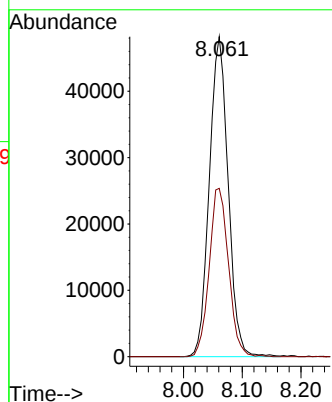
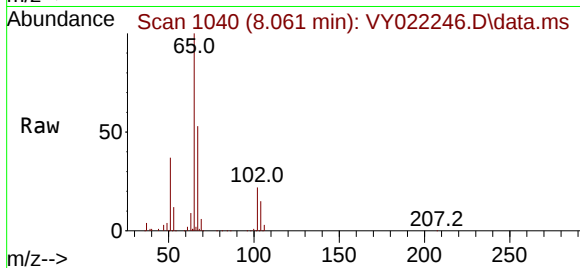
OR-636-VOC-11

Tgt Ion: 65 Resp: 107167

Ion Ratio Lower Upper

65 100

67 54.0 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: VY022246.D

Acq: 13 May 2025 16:20

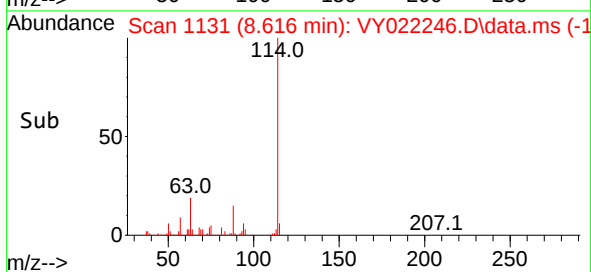
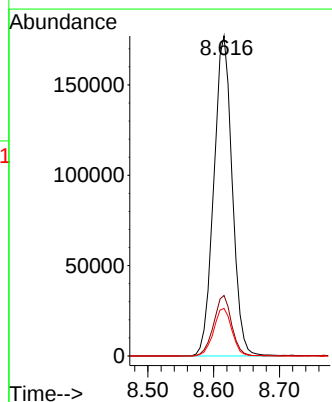
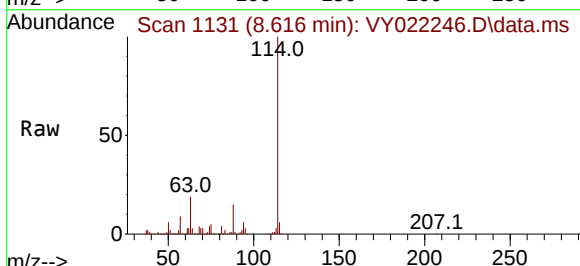
Tgt Ion: 114 Resp: 344431

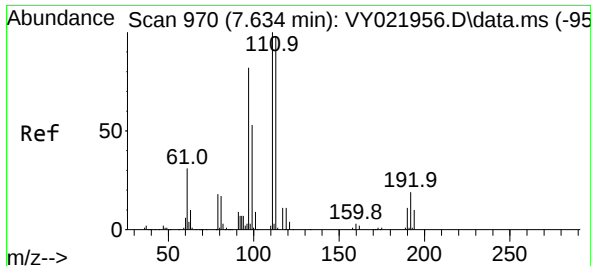
Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.4

88 14.9 0.0 28.2

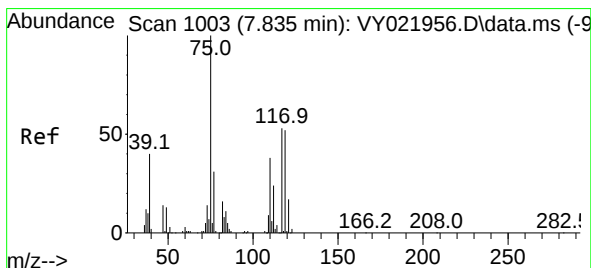
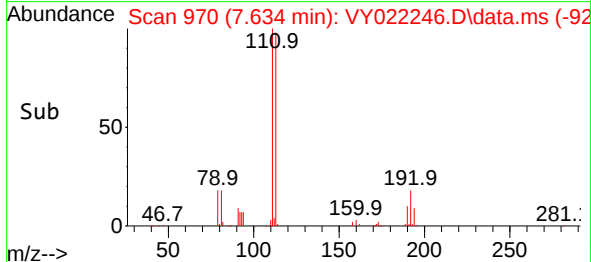
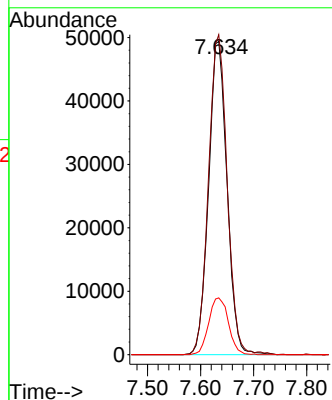
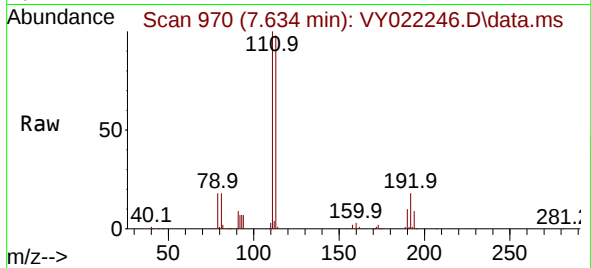




#35
Dibromofluoromethane
Concen: 52.422 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY022246.D
Acq: 13 May 2025 16:20

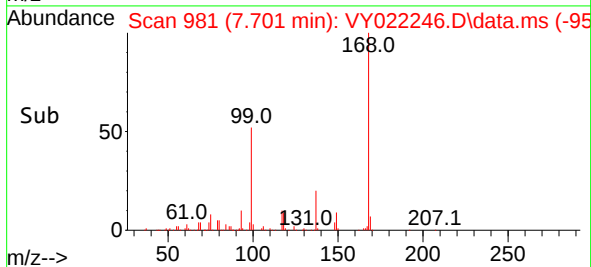
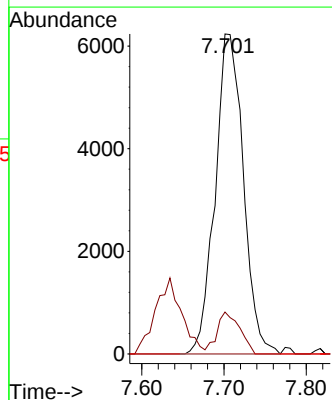
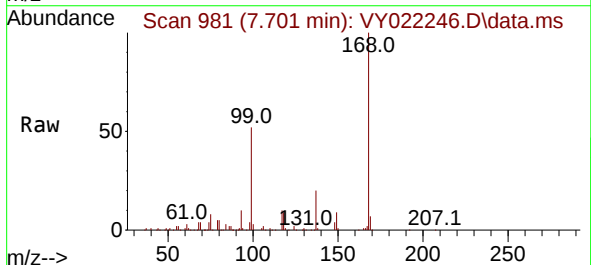
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-11

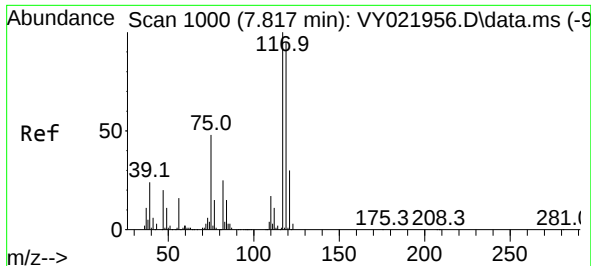
Tgt Ion:113 Resp: 119286
Ion Ratio Lower Upper
113 100
111 103.7 81.8 122.8
192 19.4 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.862 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022246.D
Acq: 13 May 2025 16:20

Tgt Ion: 75 Resp: 14862
Ion Ratio Lower Upper
75 100
110 10.6 19.1 57.3#
77 0.0 25.5 38.3#

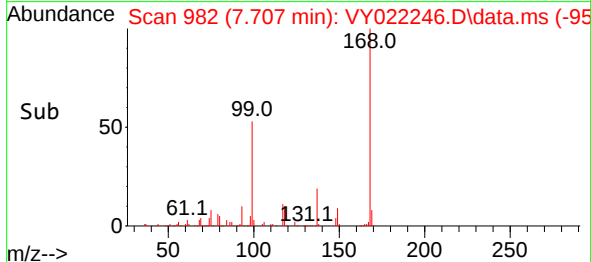
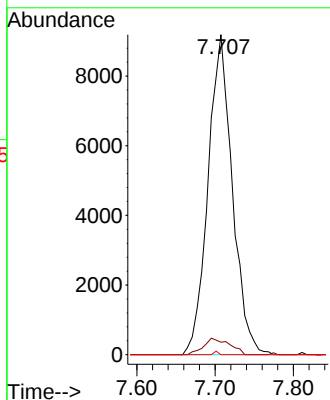
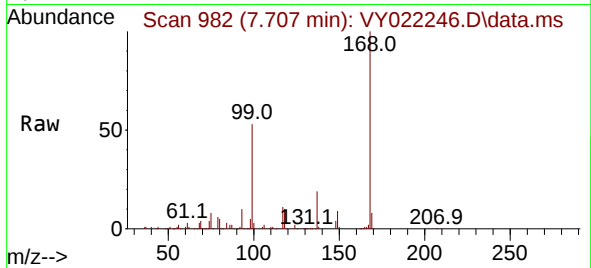




#38
Carbon Tetrachloride
Concen: 5.428 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022246.D
Acq: 13 May 2025 16:20

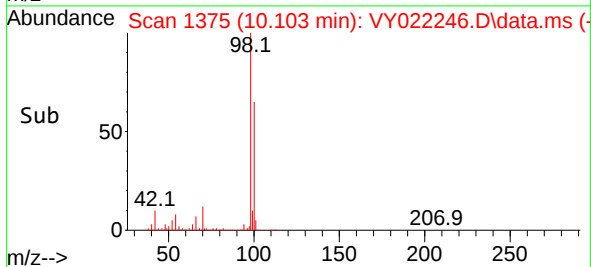
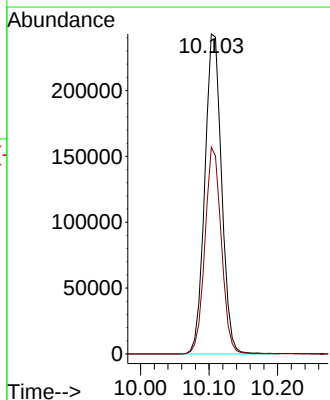
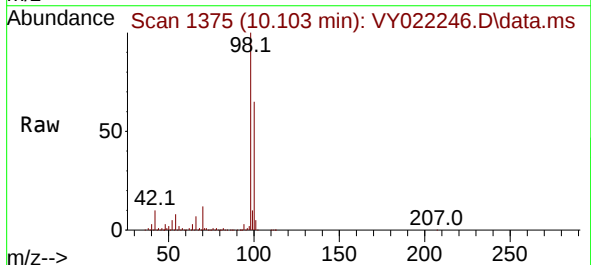
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-11

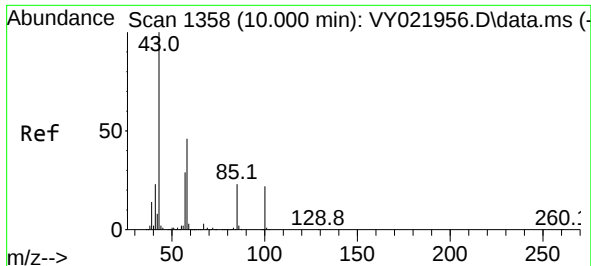
Tgt Ion:117 Resp: 19826
Ion Ratio Lower Upper
117 100
119 3.9 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.317 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022246.D
Acq: 13 May 2025 16:20

Tgt Ion: 98 Resp: 414494
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4

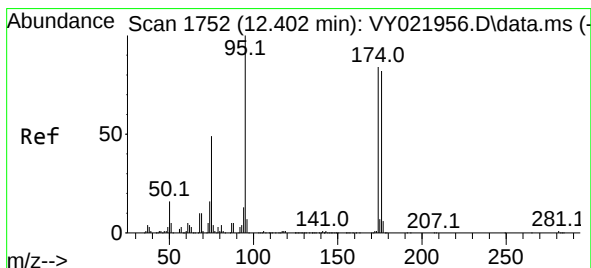
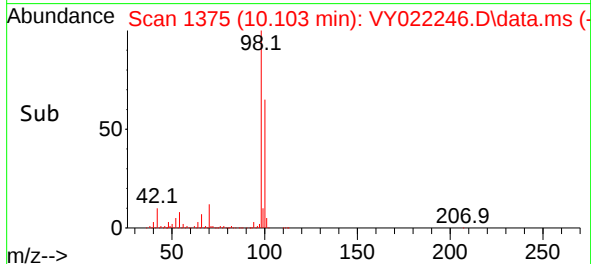
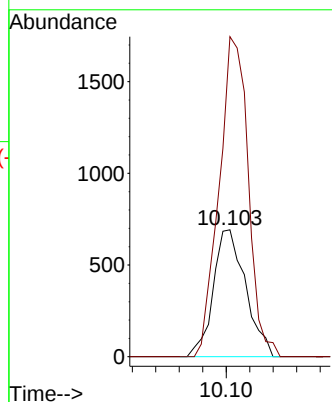
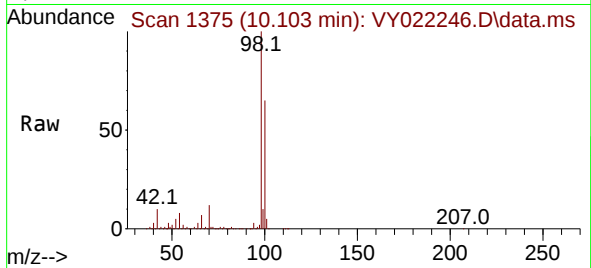




#51
4-Methyl-2-Pentanone
Concen: 1.198 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY022246.D
Acq: 13 May 2025 16:20

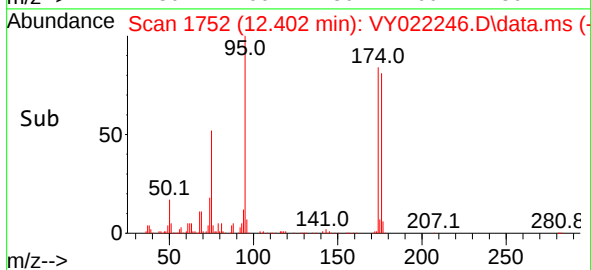
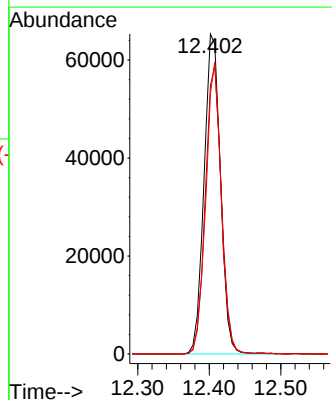
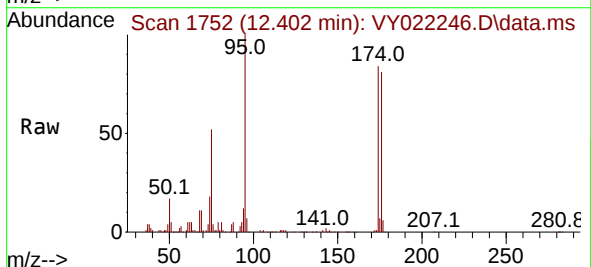
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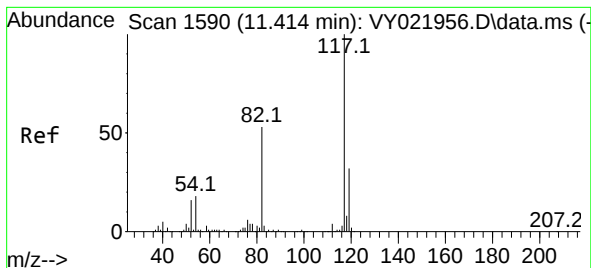
Tgt Ion: 43 Resp: 1324
Ion Ratio Lower Upper
43 100
58 227.0 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 36.031 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY022246.D
Acq: 13 May 2025 16:20

Tgt Ion: 95 Resp: 104053
Ion Ratio Lower Upper
95 100
174 88.0 0.0 179.0
176 86.3 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022246.D

Acq: 13 May 2025 16:20

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-11

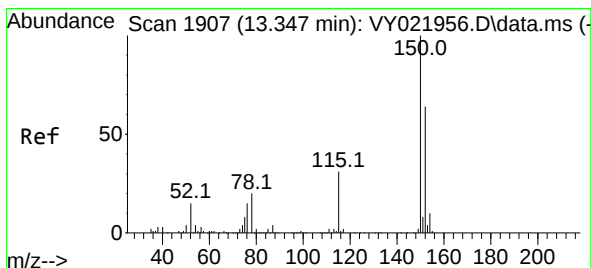
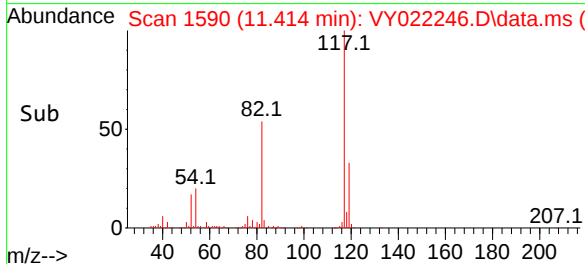
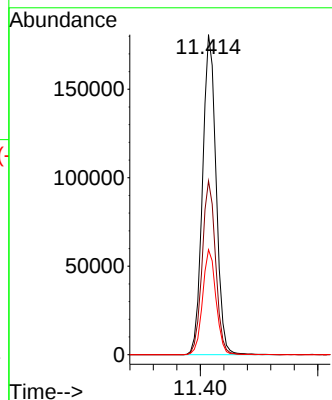
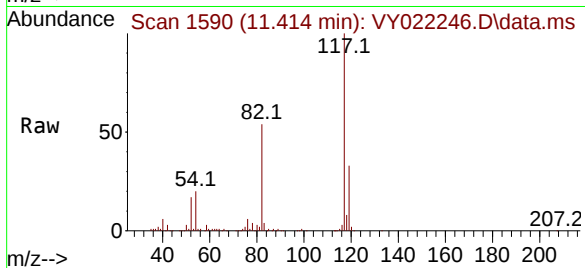
Tgt Ion:117 Resp: 289702

Ion Ratio Lower Upper

117 100

82 54.3 42.1 63.1

119 32.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022246.D

Acq: 13 May 2025 16:20

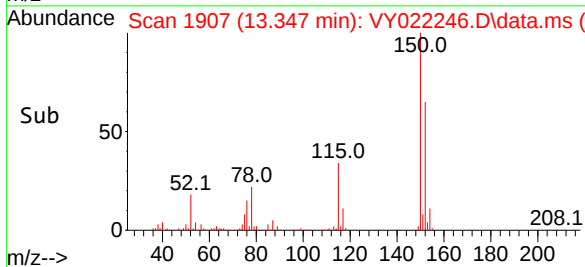
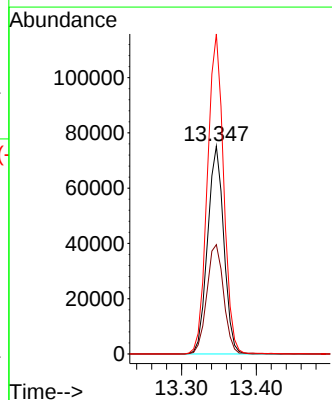
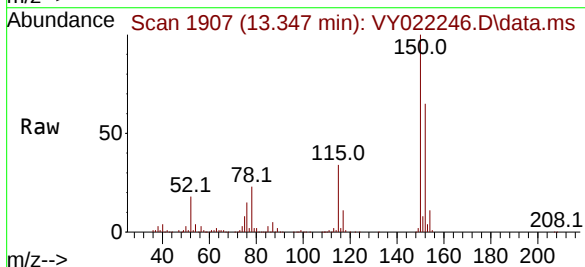
Tgt Ion:152 Resp: 113212

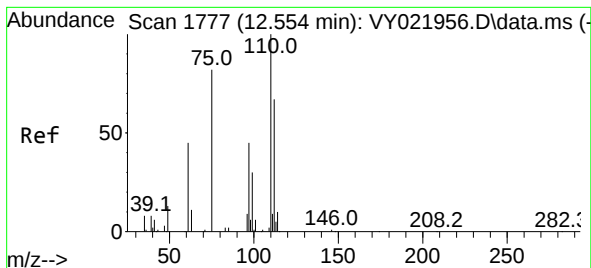
Ion Ratio Lower Upper

152 100

115 54.7 28.0 84.0

150 154.1 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 53.563 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022246.D

Acq: 13 May 2025 16:20

Instrument :

MSVOA_Y

ClientSampleId :

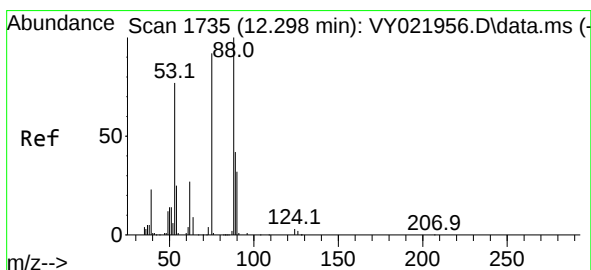
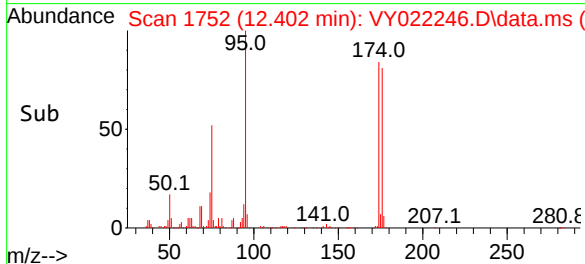
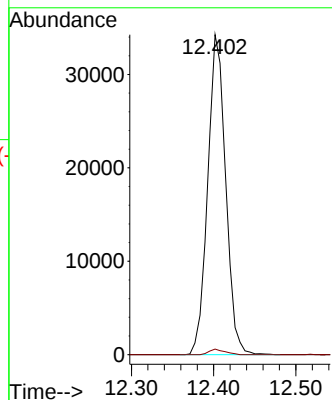
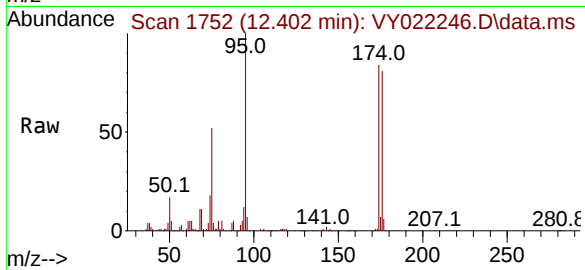
OR-636-VOC-11

Tgt Ion: 75 Resp: 51941

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.988 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY022246.D

Acq: 13 May 2025 16:20

Tgt Ion: 75 Resp: 51941

Ion Ratio Lower Upper

75 100

53 0.4 66.0 99.0#

89 0.0 37.2 55.8#

