

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051325\
 Data File : VY022247.D
 Acq On : 13 May 2025 16:42
 Operator : SY/MD
 Sample : Q2007-14
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-12

Quant Time: May 14 04:36:11 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

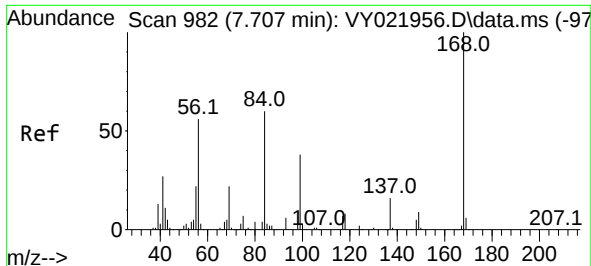
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	194386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	349782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	132673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	108785	60.587	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.180%	
35) Dibromofluoromethane	7.628	113	118133	51.121	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.240%	
50) Toluene-d8	10.103	98	413276	47.438	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.880%	
62) 4-Bromofluorobenzene	12.407	95	114024	38.879	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.760%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	1403	Below Cal		92
20) Methylene Chloride	4.610	84	5751	2.533	ug/l	90
31) Cyclohexane	7.707	56	3619	1.219	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	15125	4.873	ug/l #	48
38) Carbon Tetrachloride	7.707	117	19837	5.348	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	1554	1.385	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	55504	48.842	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	55504	117.618	ug/l #	16

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

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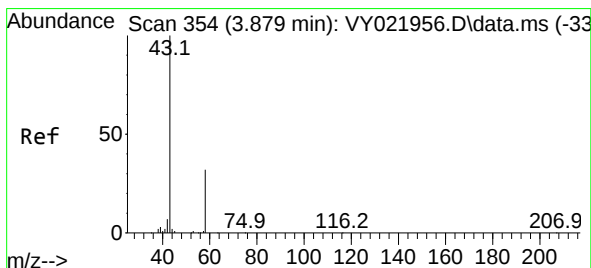
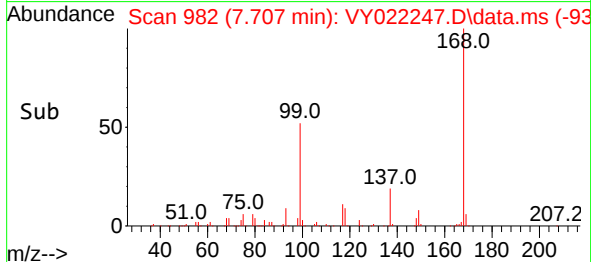
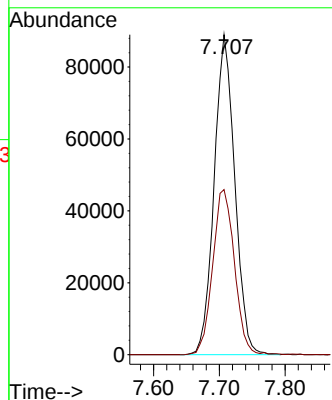
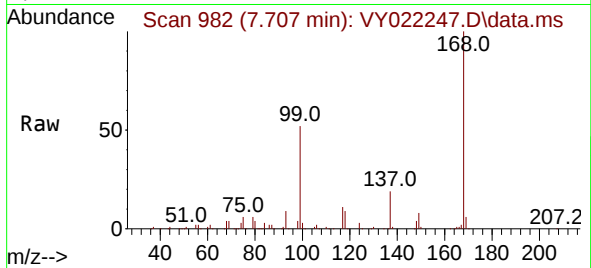




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022247.D
Acq: 13 May 2025 16:42

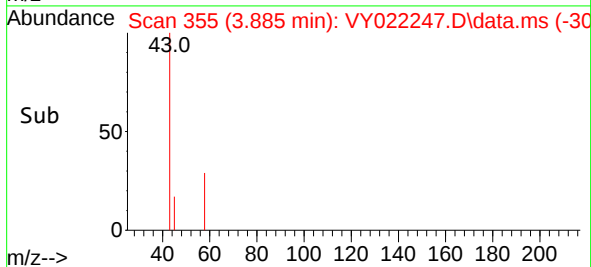
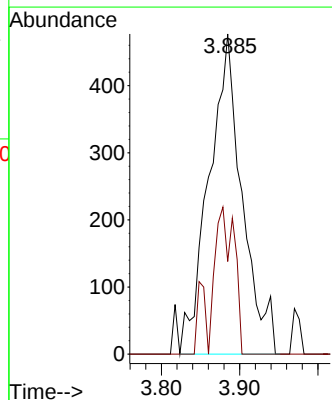
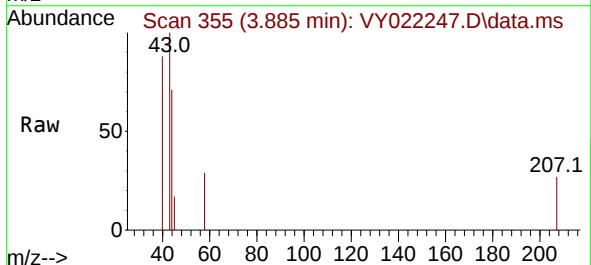
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-12

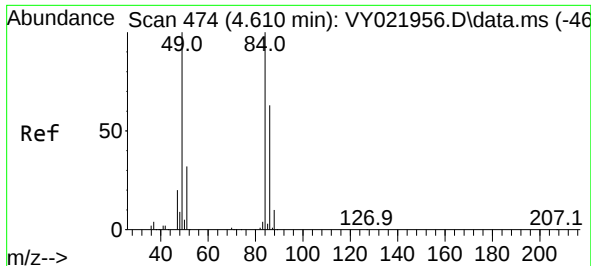
Tgt Ion:168 Resp: 194386
Ion Ratio Lower Upper
168 100
99 51.6 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022247.D
Acq: 13 May 2025 16:42

Tgt Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
58 28.9 27.0 40.4

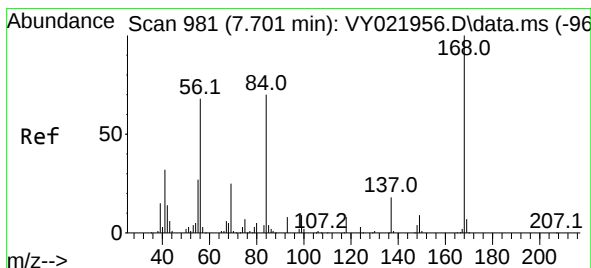
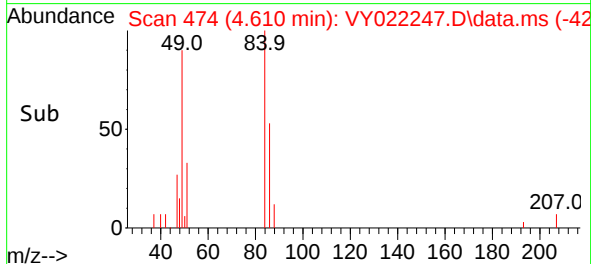
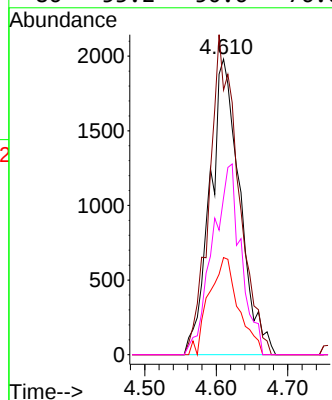
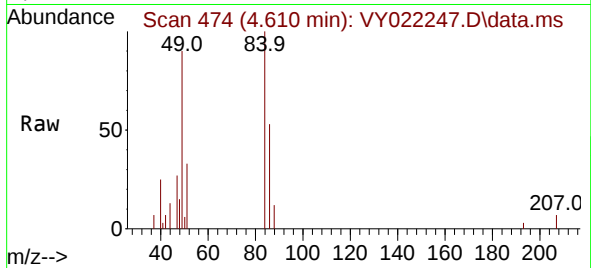




#20
Methylene Chloride
Concen: 2.533 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022247.D
Acq: 13 May 2025 16:42

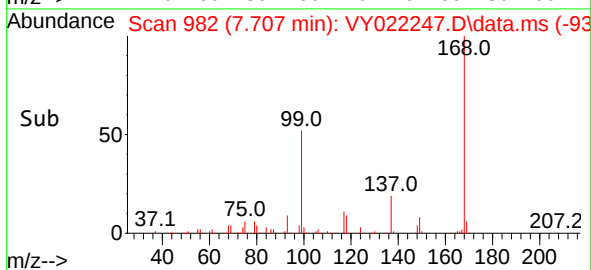
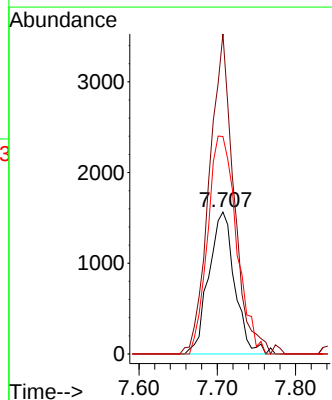
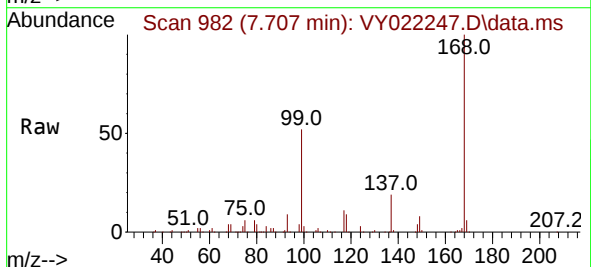
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-12

Tgt Ion:	84	Resp:	5751
Ion	Ratio	Lower	Upper
84	100		
49	89.5	79.9	119.9
51	32.9	25.4	38.0
86	53.2	50.6	76.0



#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022247.D
Acq: 13 May 2025 16:42

Tgt Ion:	56	Resp:	3619
Ion	Ratio	Lower	Upper
56	100		
69	225.6	29.4	44.2#
84	153.3	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 60.587 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022247.D

Acq: 13 May 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

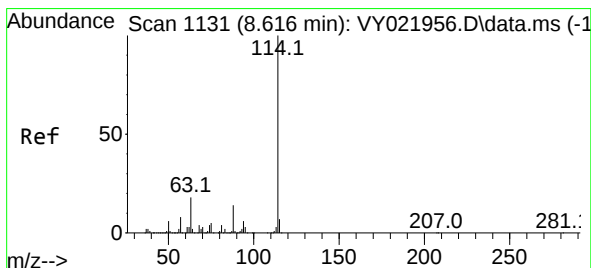
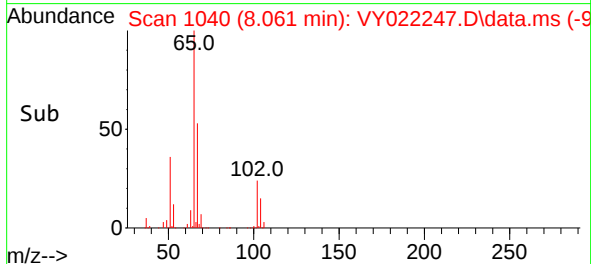
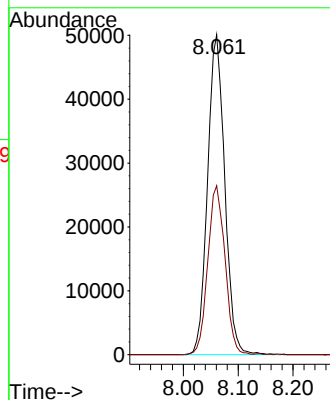
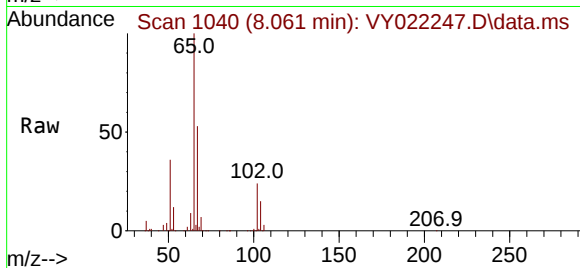
OR-636-VOC-12

Tgt Ion: 65 Resp: 108785

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022247.D

Acq: 13 May 2025 16:42

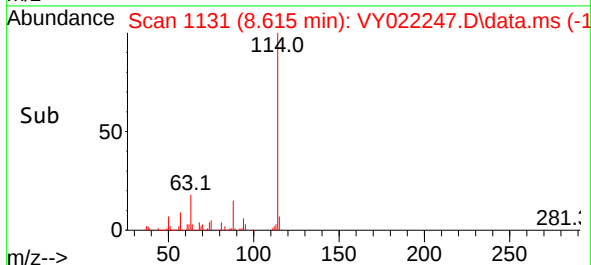
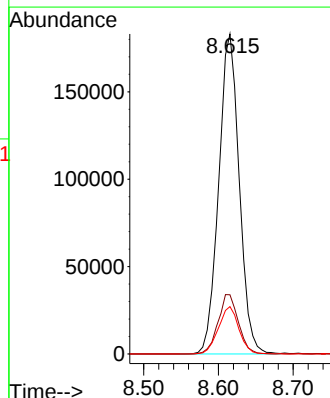
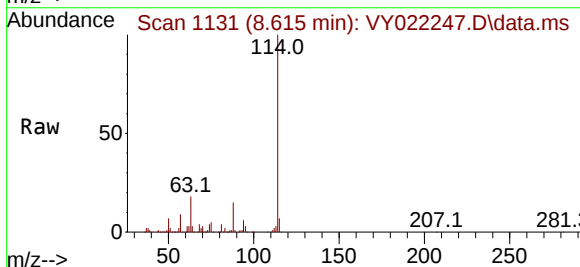
Tgt Ion: 114 Resp: 349782

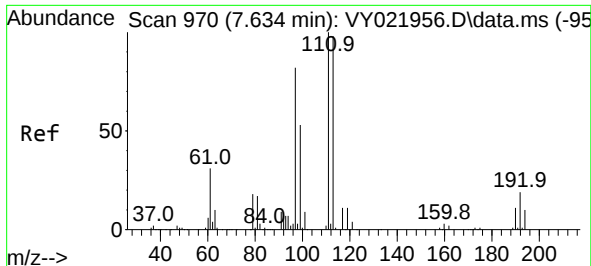
Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.4

88 14.8 0.0 28.2

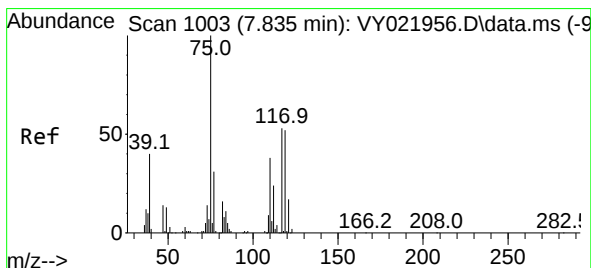
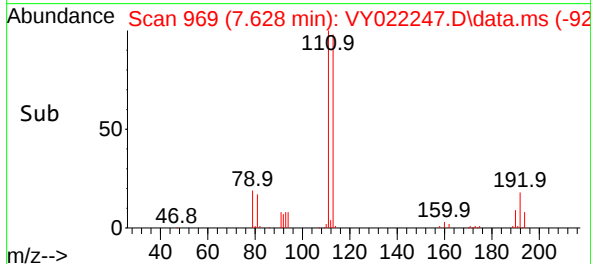
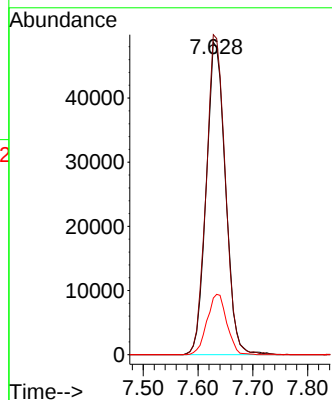
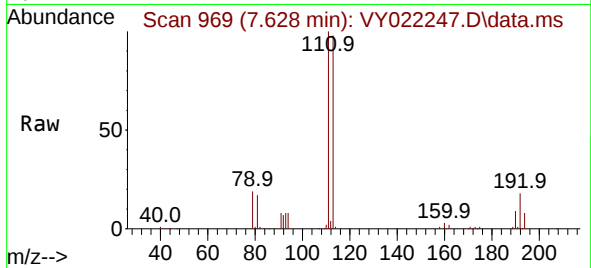




#35
Dibromofluoromethane
Concen: 51.121 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY022247.D
Acq: 13 May 2025 16:42

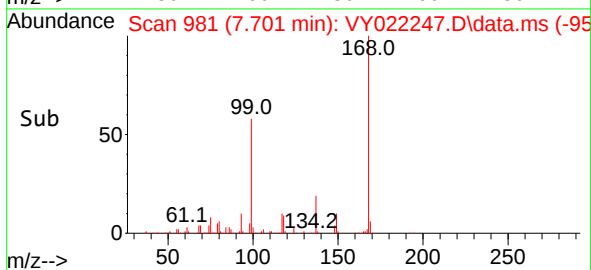
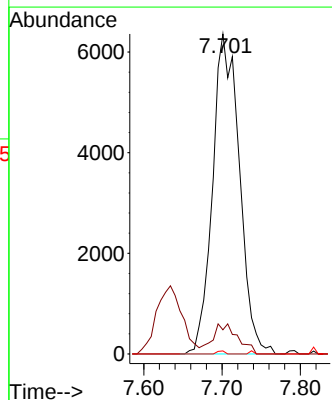
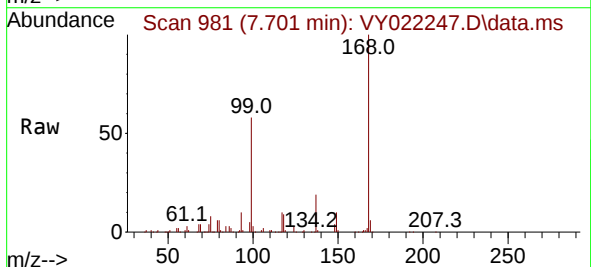
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-12

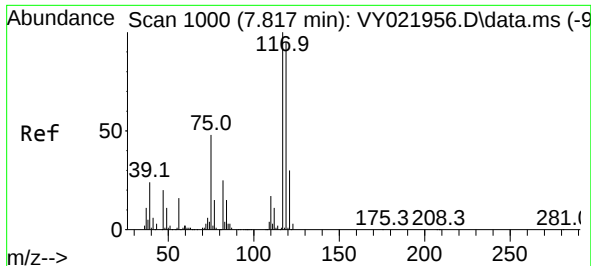
Tgt Ion:113 Resp: 118133
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.8
192 19.8 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.873 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022247.D
Acq: 13 May 2025 16:42

Tgt Ion: 75 Resp: 15125
Ion Ratio Lower Upper
75 100
110 8.9 19.1 57.3#
77 0.3 25.5 38.3#

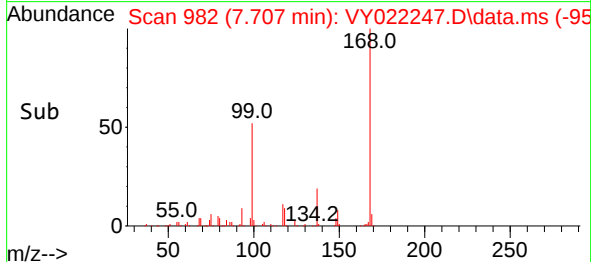
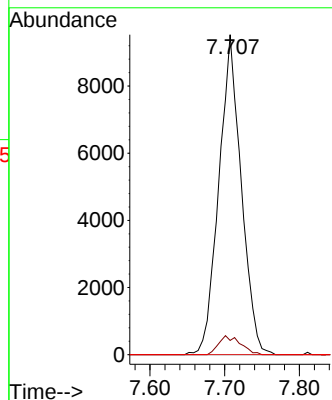
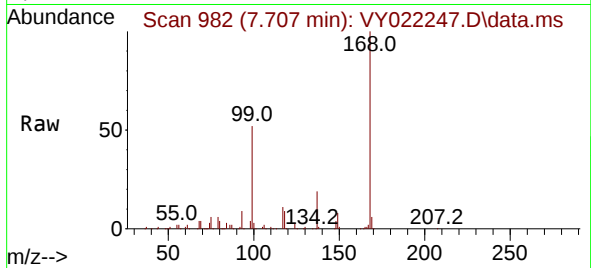




#38
Carbon Tetrachloride
Concen: 5.348 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022247.D
Acq: 13 May 2025 16:42

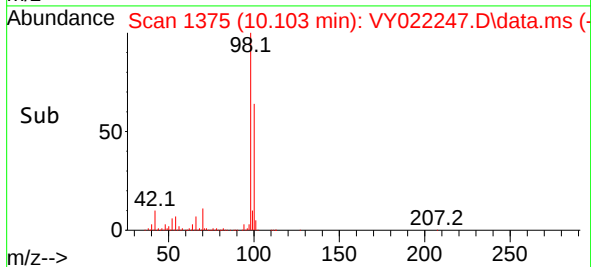
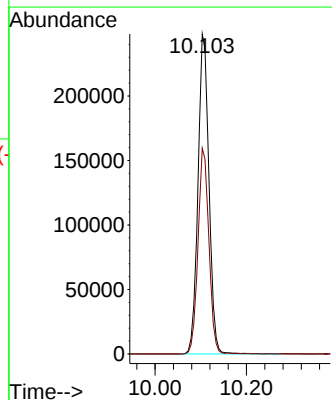
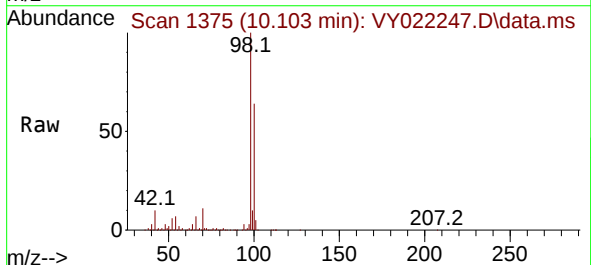
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-12

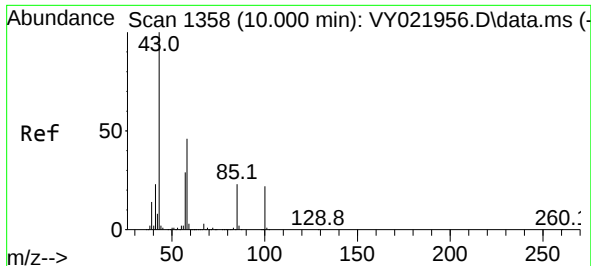
Tgt Ion:117 Resp: 19837
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.438 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022247.D
Acq: 13 May 2025 16:42

Tgt Ion: 98 Resp: 413276
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4

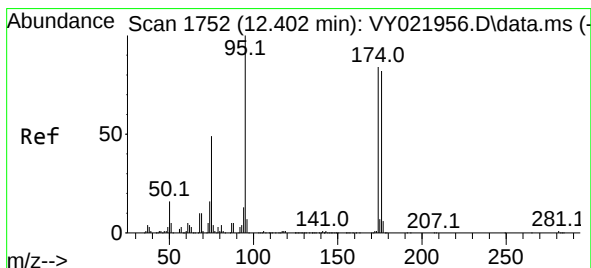
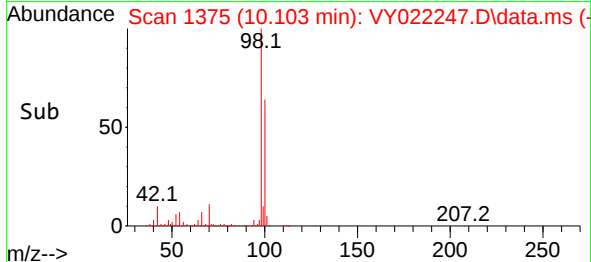
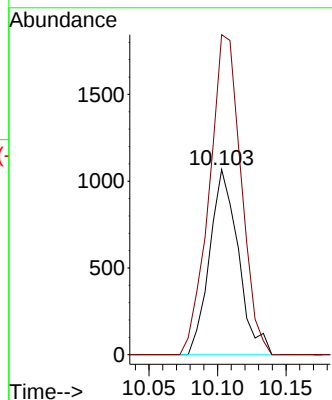
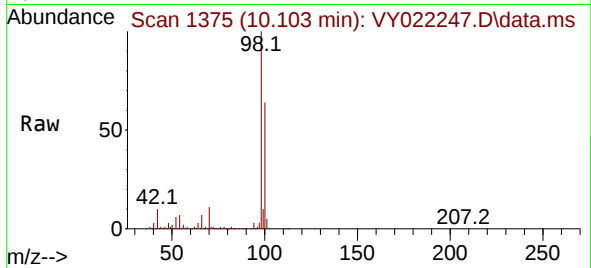




#51
4-Methyl-2-Pentanone
Concen: 1.385 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY022247.D
Acq: 13 May 2025 16:42

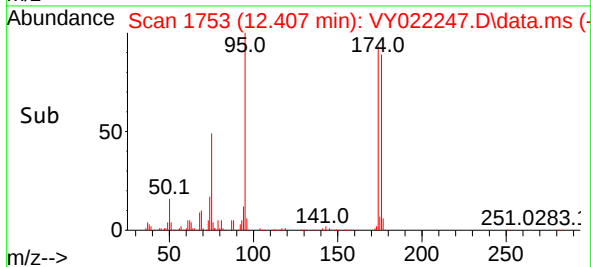
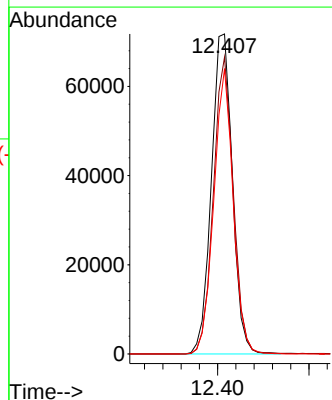
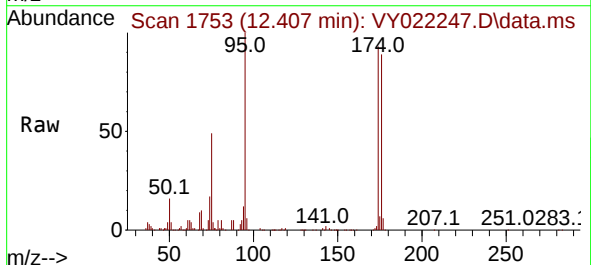
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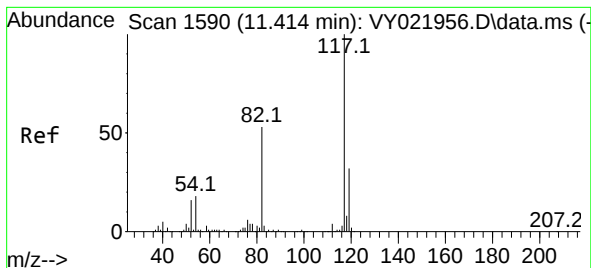
Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
58 191.6 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 38.879 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022247.D
Acq: 13 May 2025 16:42

Tgt Ion: 95 Resp: 114024
Ion Ratio Lower Upper
95 100
174 88.4 0.0 179.0
176 82.8 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: VY022247.D

Acq: 13 May 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-12

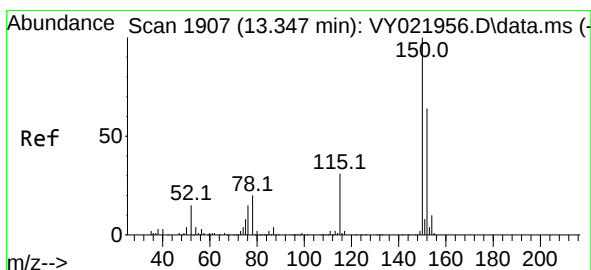
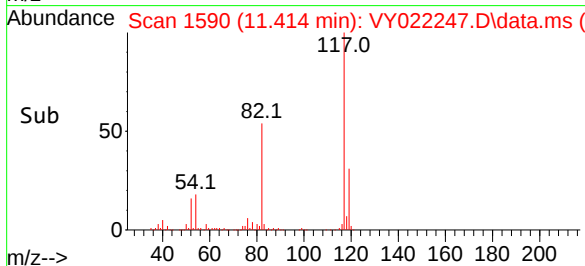
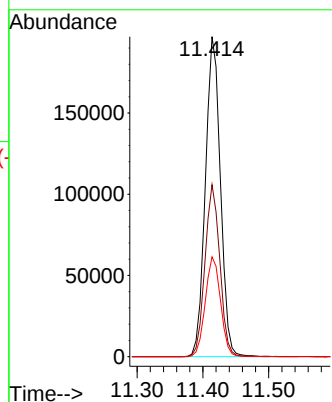
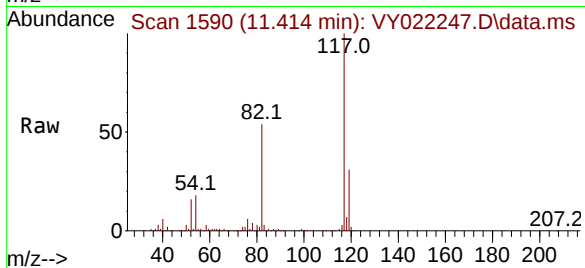
Tgt Ion:117 Resp: 313584

Ion Ratio Lower Upper

117 100

82 53.8 42.1 63.1

119 31.2 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022247.D

Acq: 13 May 2025 16:42

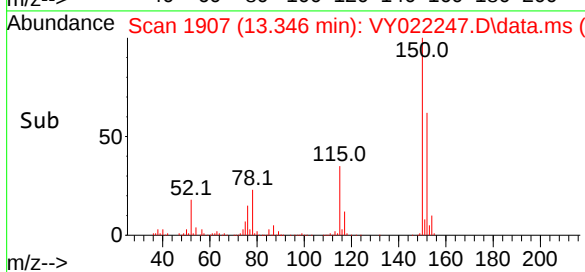
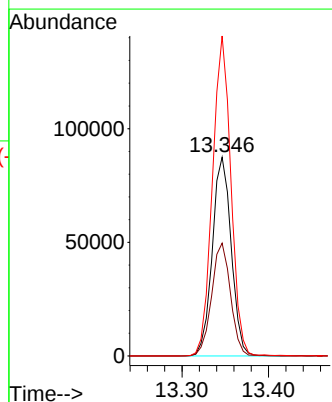
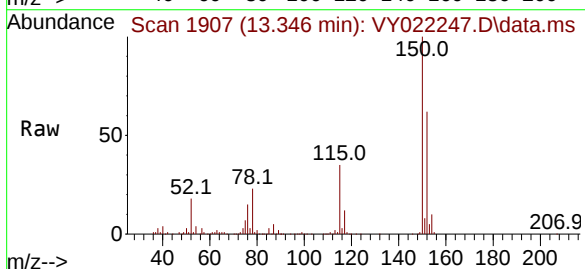
Tgt Ion:152 Resp: 132673

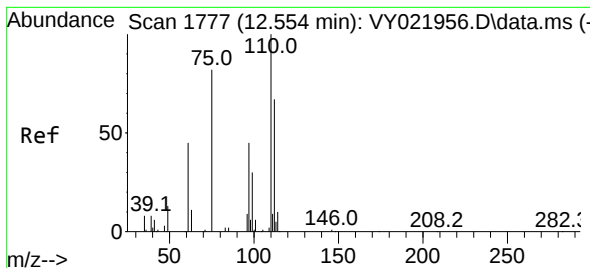
Ion Ratio Lower Upper

152 100

115 56.8 28.0 84.0

150 156.9 0.0 345.6

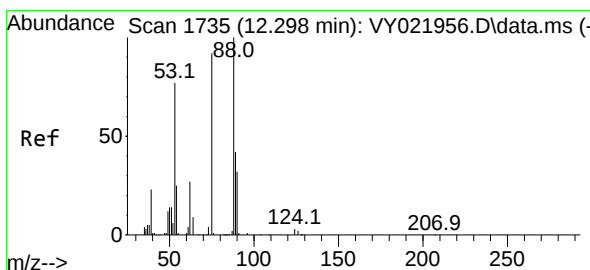
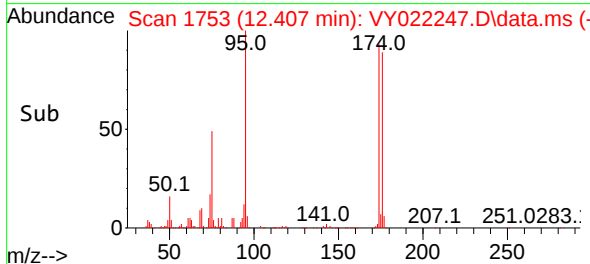
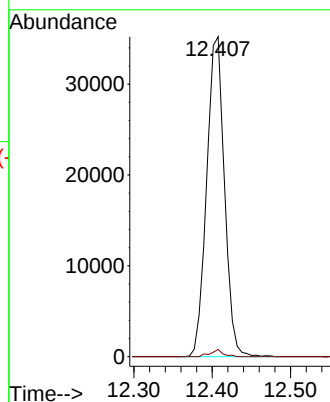
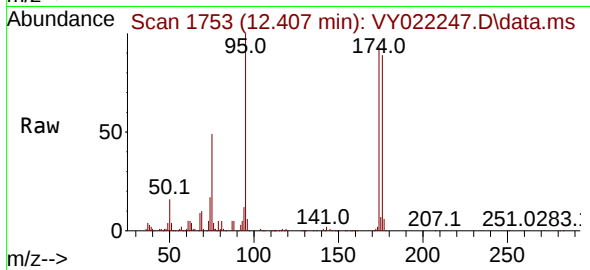




#76
1,2,3-Trichloropropane
Concen: 48.842 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY022247.D
Acq: 13 May 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-12

Tgt Ion: 75 Resp: 55504
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.618 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022247.D
Acq: 13 May 2025 16:42

Tgt Ion: 75 Resp: 55504
Ion Ratio Lower Upper
75 100
53 0.3 66.0 99.0#
89 0.1 37.2 55.8#

