

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
 Data File : VY021423.D
 Acq On : 05 Mar 2025 19:16
 Operator : SY/MD
 Sample : Q1484-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-OTR-VOC-01

Quant Time: Mar 06 02:59:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

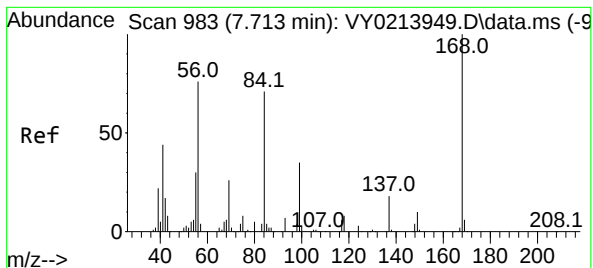
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	264173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	493970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	434043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	158411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160963	57.648	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.300%
35) Dibromofluoromethane	7.634	113	164566	50.683	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.360%
50) Toluene-d8	10.109	98	603750	49.110	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.220%
62) 4-Bromofluorobenzene	12.408	95	173329	41.448	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.824	59	430	Below Cal	#	72
16) Acetone	3.873	43	2165	3.555	ug/l	96
20) Methylene Chloride	4.616	84	7013	2.194	ug/l	95
31) Cyclohexane	7.707	56	5937	1.135	ug/l	# 1
36) 1,1-Dichloropropene	7.707	75	22982	4.522	ug/l	# 50
38) Carbon Tetrachloride	7.707	117	28115	4.810	ug/l	# 16
76) 1,2,3-Trichloropropane	12.408	75	95934	60.098	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	95934	136.622	ug/l	# 9
95) Naphthalene	15.145	128	449	1.553	ug/l	# 78

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

Quant Time: Mar 06 02:59:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY021423.D

Acq: 05 Mar 2025 19:16

Instrument :

MSVOA_Y

ClientSampleId :

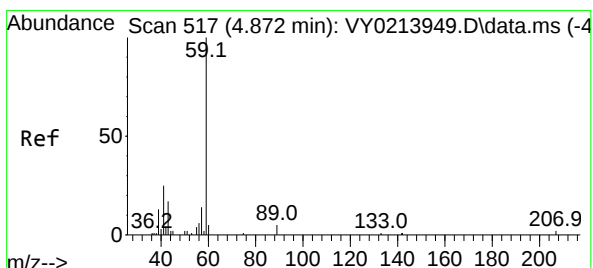
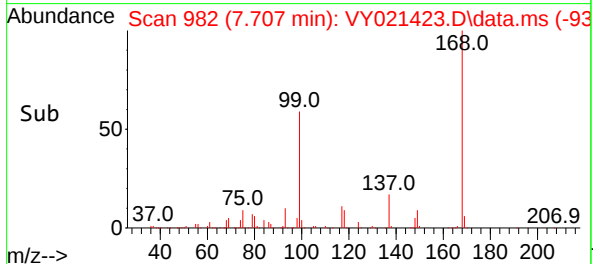
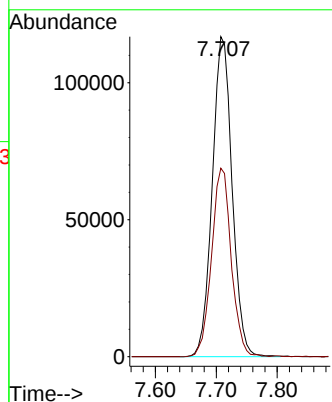
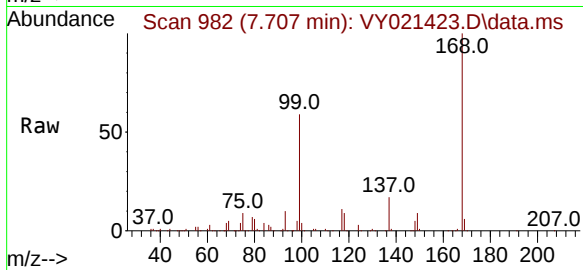
TR-OTR-VOC-01

Tgt Ion:168 Resp: 264173

Ion Ratio Lower Upper

168 100

99 58.9 46.0 69.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.824 min Scan# 509

Delta R.T. -0.048 min

Lab File: VY021423.D

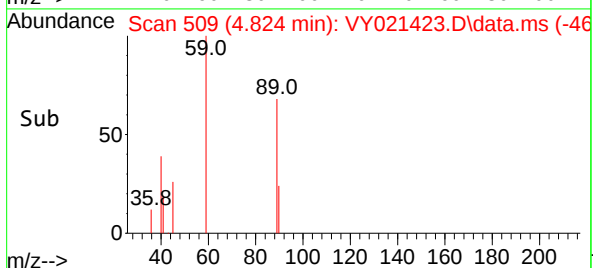
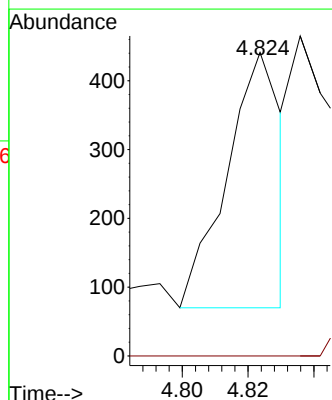
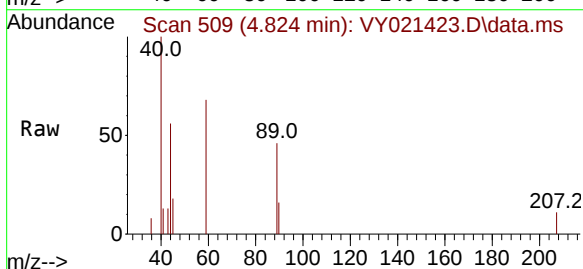
Acq: 05 Mar 2025 19:16

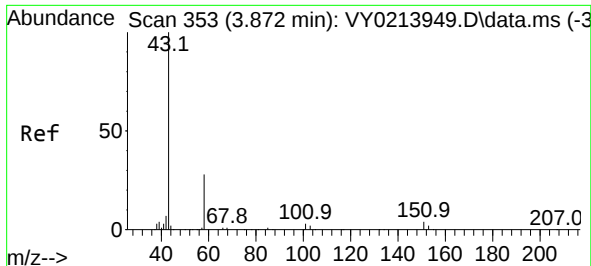
Tgt Ion: 59 Resp: 430

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 3.555 ug/l

RT: 3.873 min Scan# 3

Delta R.T. 0.001 min

Lab File: VY021423.D

Acq: 05 Mar 2025 19:16

Instrument :

MSVOA_Y

ClientSampleId :

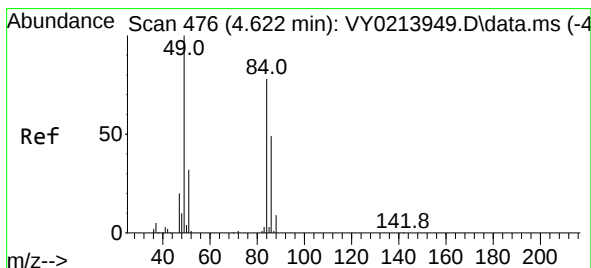
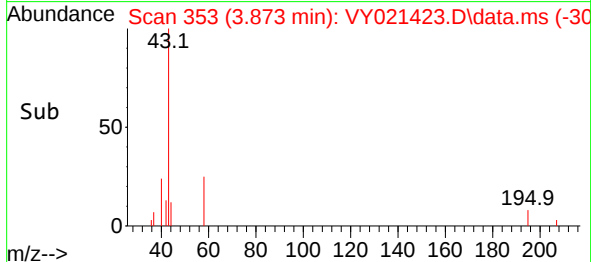
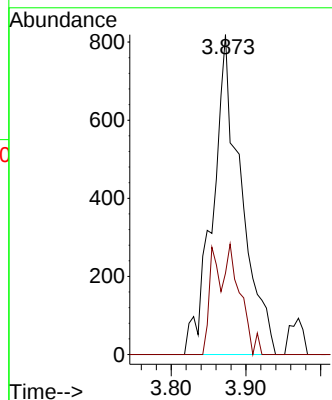
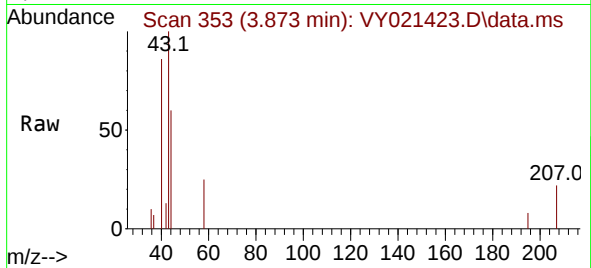
TR-OTR-VOC-01

Tgt Ion: 43 Resp: 2165

Ion Ratio Lower Upper

43 100

58 25.4 22.1 33.1



#20

Methylene Chloride

Concen: 2.194 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.006 min

Lab File: VY021423.D

Acq: 05 Mar 2025 19:16

Tgt Ion: 84 Resp: 7013

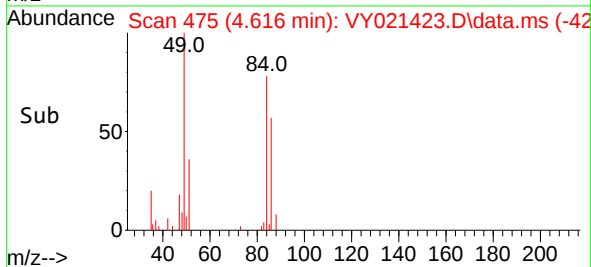
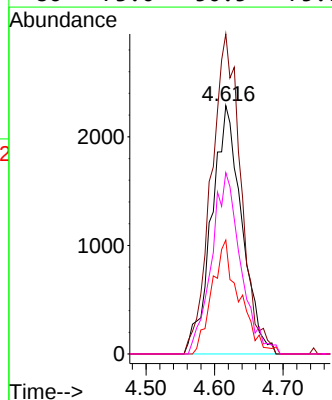
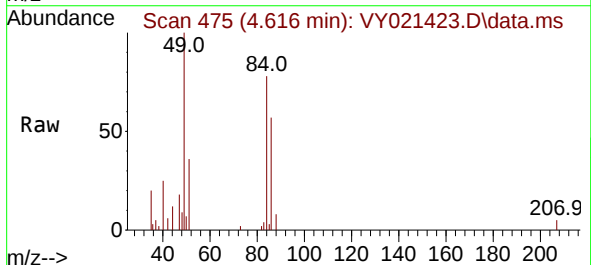
Ion Ratio Lower Upper

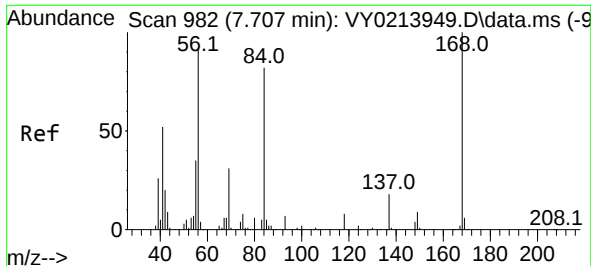
84 100

49 128.9 102.0 153.0

51 45.9 33.0 49.6

86 73.0 50.5 75.7

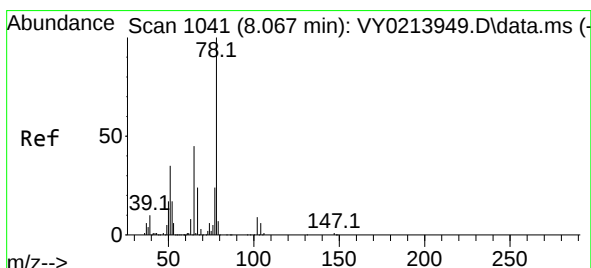
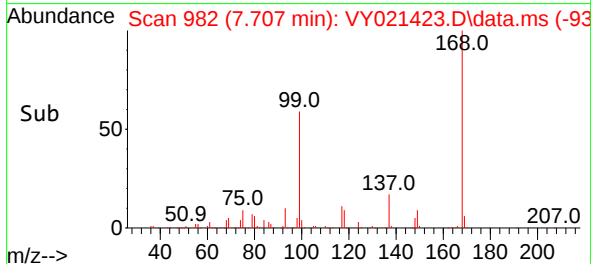
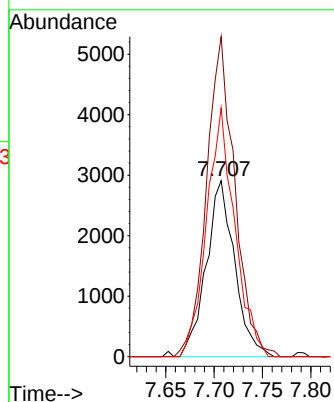
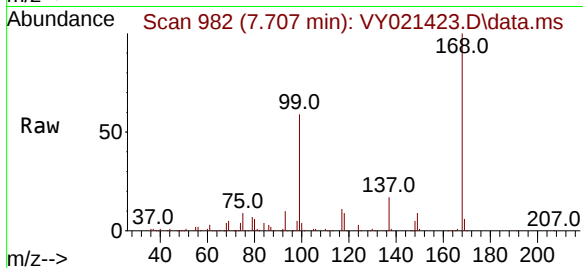




#31
Cyclohexane
Concen: 1.135 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021423.D
Acq: 05 Mar 2025 19:16

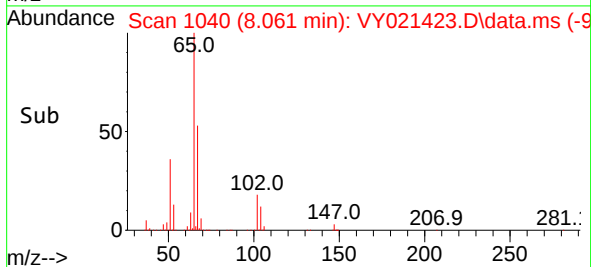
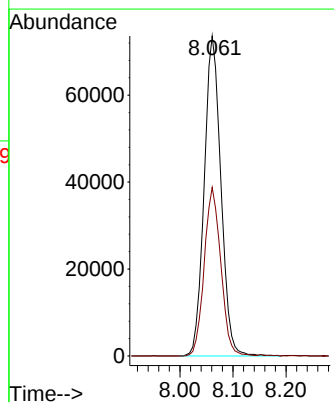
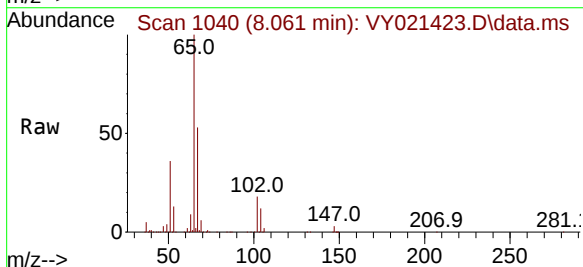
Instrument :
MSVOA_Y
ClientSampleId :
TR-OTR-VOC-01

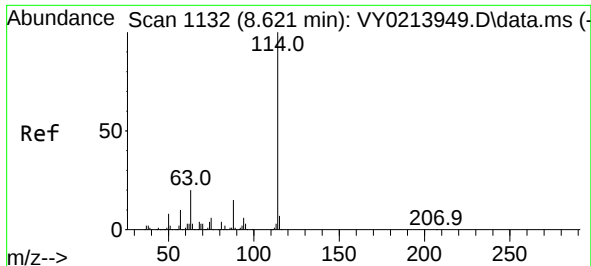
Tgt Ion: 56 Resp: 5937
Ion Ratio Lower Upper
56 100
69 181.8 27.0 40.4#
84 141.3 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 57.648 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021423.D
Acq: 05 Mar 2025 19:16

Tgt Ion: 65 Resp: 160963
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.8

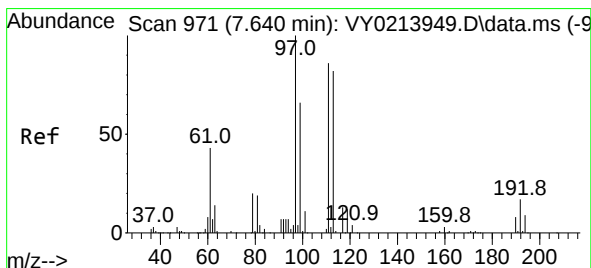
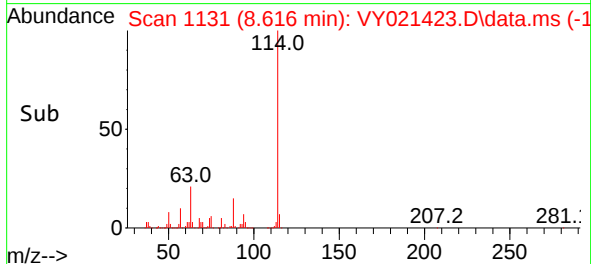
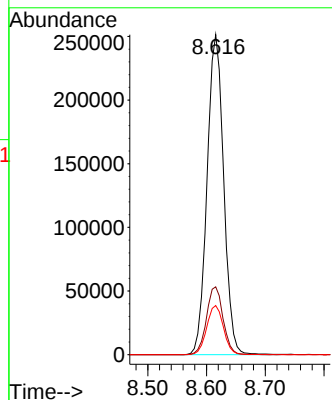
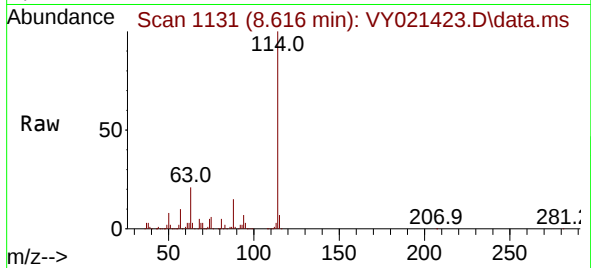




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021423.D
Acq: 05 Mar 2025 19:16

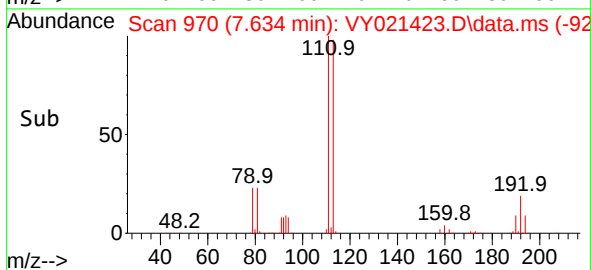
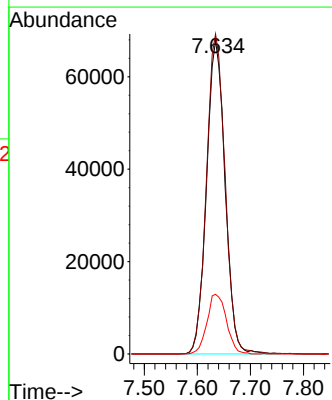
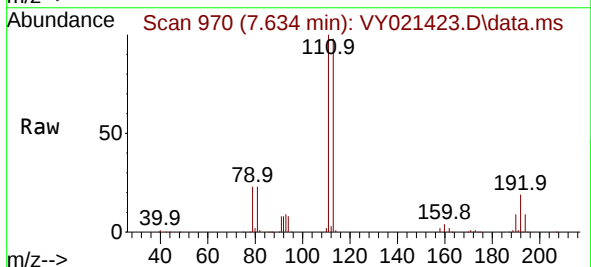
Instrument :
MSVOA_Y
ClientSampleId :
TR-OTR-VOC-01

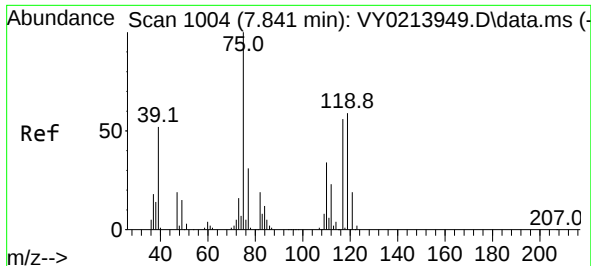
Tgt Ion:114 Resp: 493970
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 15.3 0.0 30.8



#35
Dibromofluoromethane
Concen: 50.683 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021423.D
Acq: 05 Mar 2025 19:16

Tgt Ion:113 Resp: 164566
Ion Ratio Lower Upper
113 100
111 102.3 82.0 123.0
192 20.0 15.9 23.9

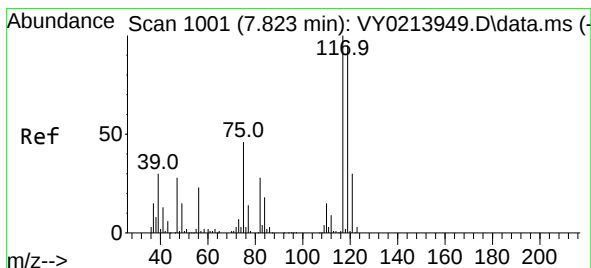
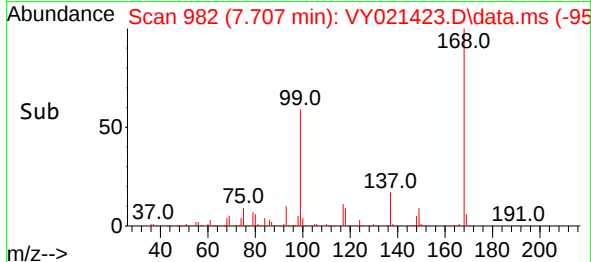
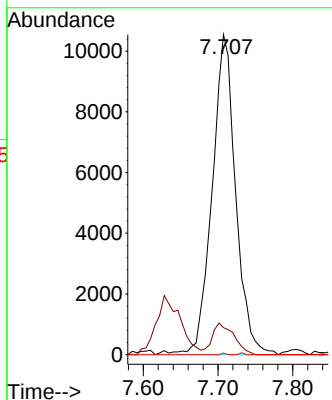
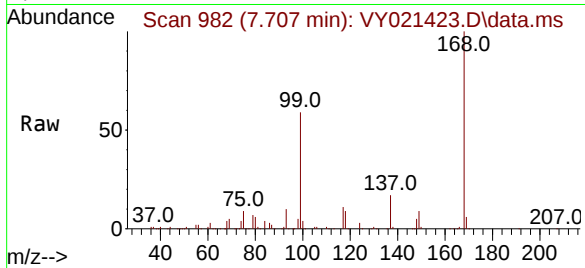




#36
1,1-Dichloropropene
Concen: 4.522 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021423.D
Acq: 05 Mar 2025 19:16

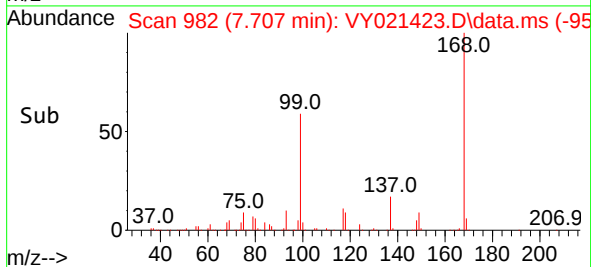
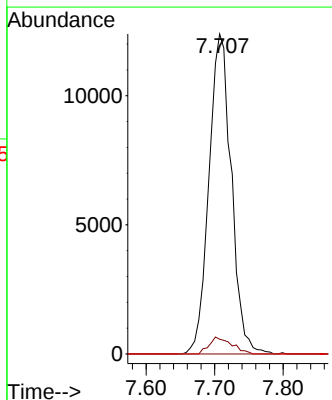
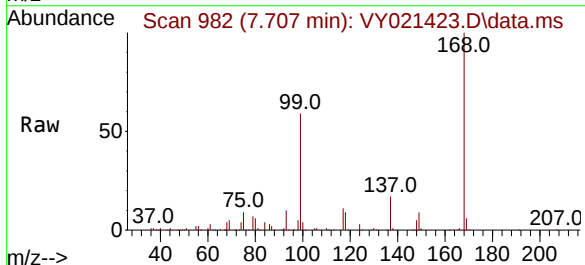
Instrument :
MSVOA_Y
ClientSampleId :
TR-OTR-VOC-01

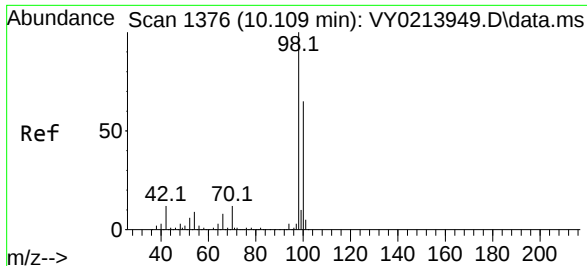
Tgt Ion: 75 Resp: 22982
Ion Ratio Lower Upper
75 100
110 9.2 17.3 51.7#
77 0.1 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 4.810 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.115 min
Lab File: VY021423.D
Acq: 05 Mar 2025 19:16

Tgt Ion: 117 Resp: 28115
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 23.9 35.9#

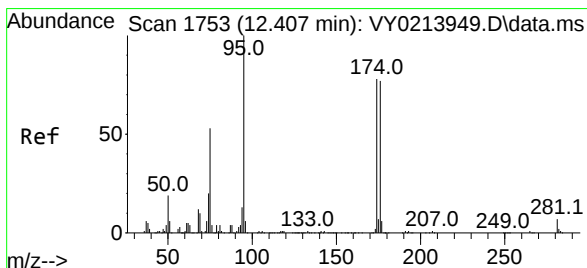
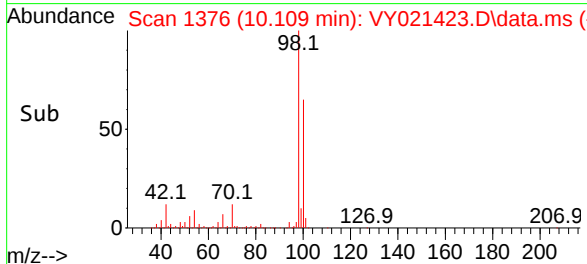
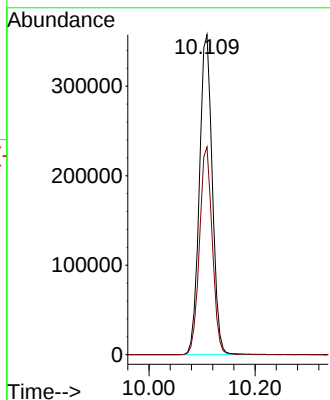
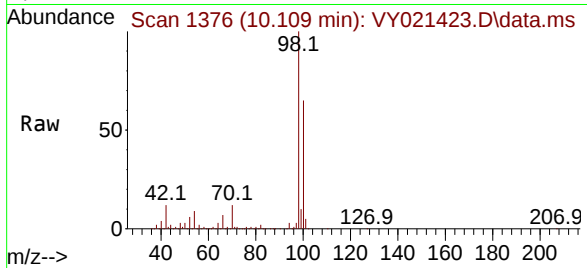




#50
Toluene-d8
Concen: 49.110 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021423.D
Acq: 05 Mar 2025 19:16

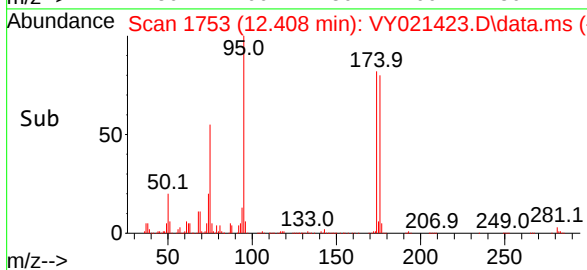
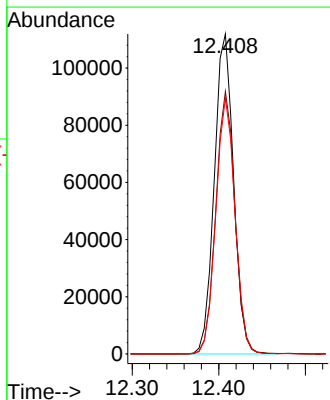
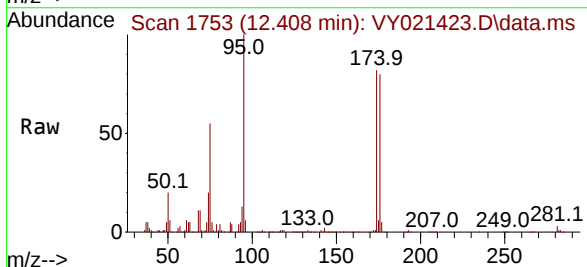
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TR-OTR-VOC-01

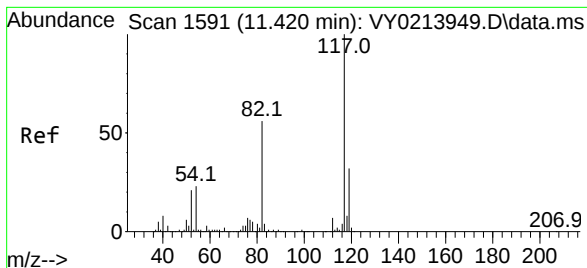
Tgt Ion: 98 Resp: 603750
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 41.448 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021423.D
Acq: 05 Mar 2025 19:16

Tgt Ion: 95 Resp: 173329
Ion Ratio Lower Upper
95 100
174 81.4 0.0 165.0
176 79.4 0.0 160.0

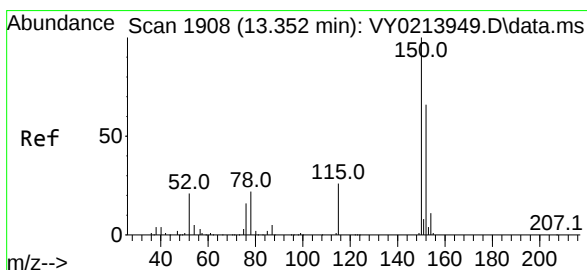
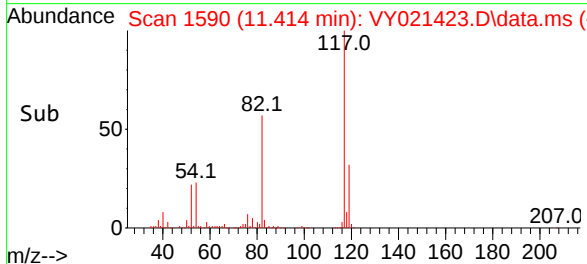
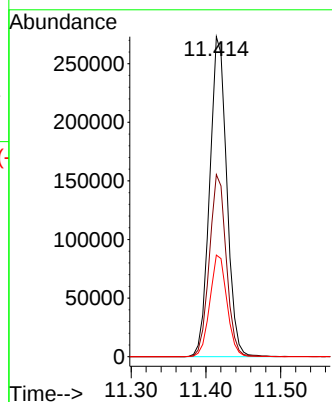
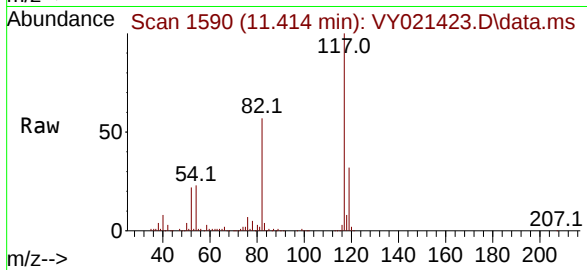




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021423.D
Acq: 05 Mar 2025 19:16

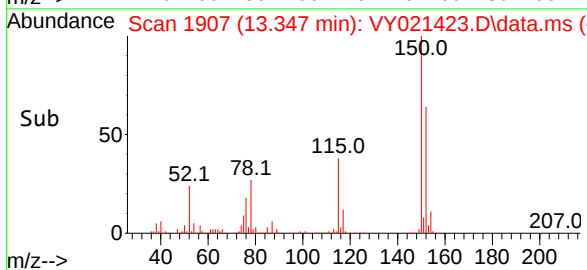
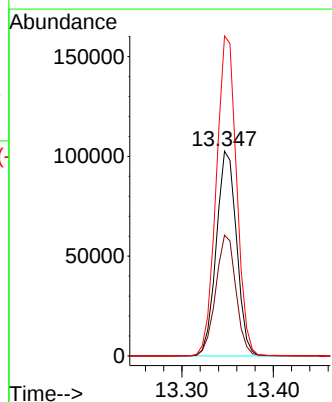
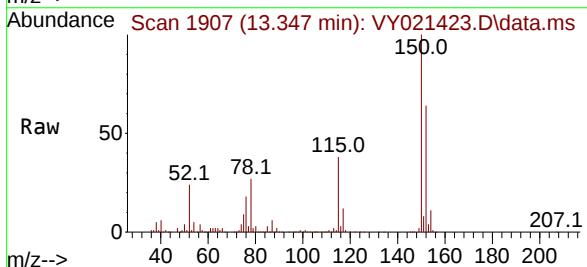
Instrument :
MSVOA_Y
ClientSampleId :
TR-OTR-VOC-01

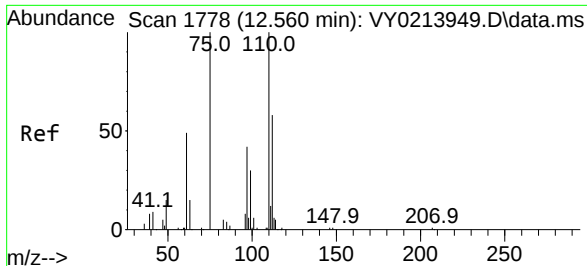
Tgt Ion:117 Resp: 434043
Ion Ratio Lower Upper
117 100
82 56.9 44.6 67.0
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021423.D
Acq: 05 Mar 2025 19:16

Tgt Ion:152 Resp: 158411
Ion Ratio Lower Upper
152 100
115 59.1 29.0 87.0
150 156.7 0.0 347.2

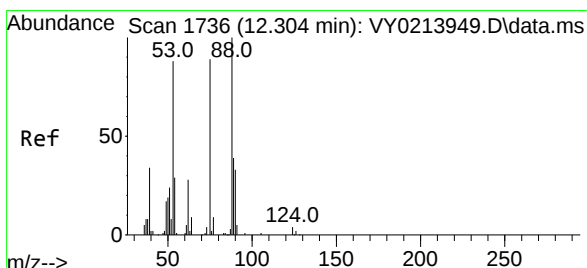
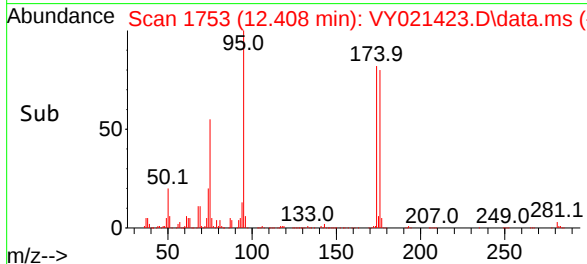
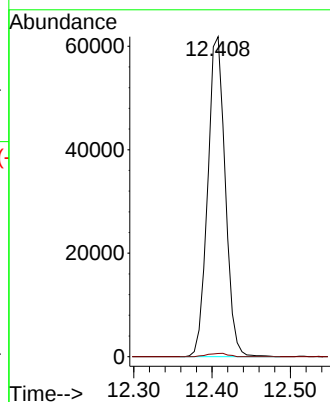
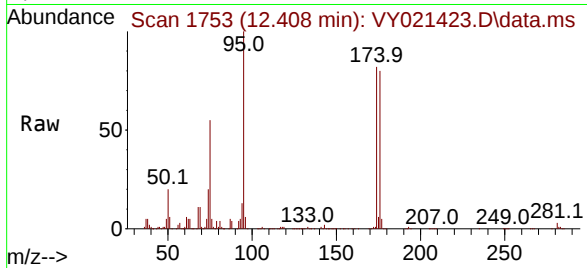




#76
1,2,3-Trichloropropane
Concen: 60.098 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021423.D
Acq: 05 Mar 2025 19:16

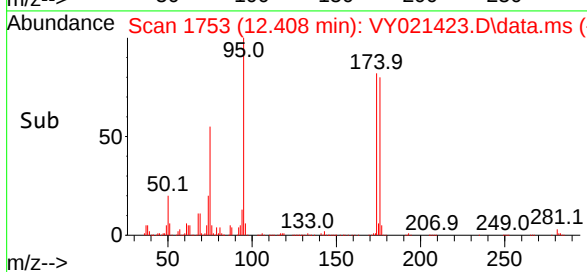
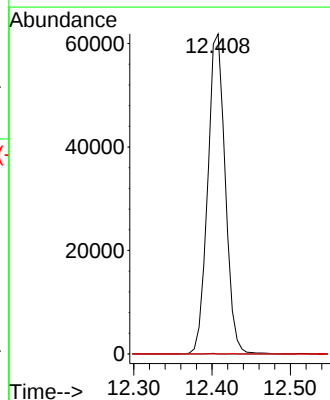
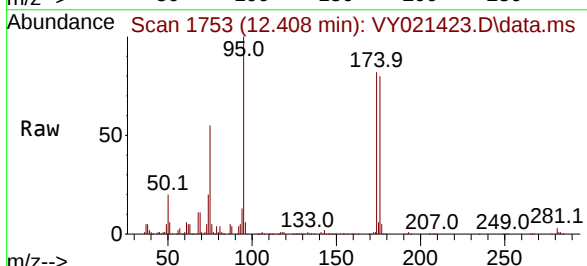
Instrument :
MSVOA_Y
ClientSampleId :
TR-OTR-VOC-01

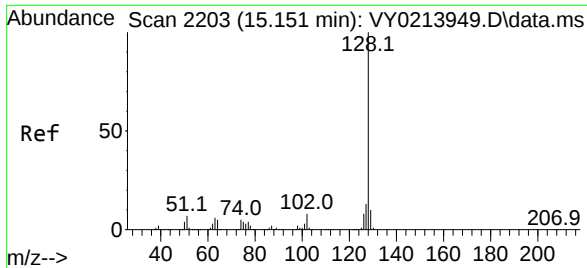
Tgt Ion: 75 Resp: 95934
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.622 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021423.D
Acq: 05 Mar 2025 19:16

Tgt Ion: 75 Resp: 95934
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.4#
89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 1.553 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY021423.D

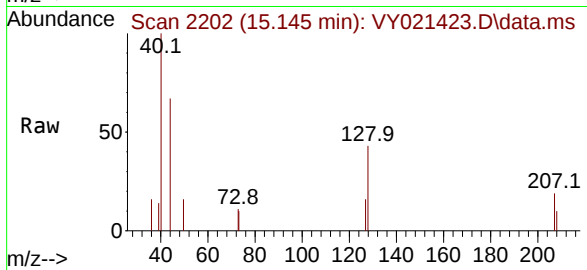
Acq: 05 Mar 2025 19:16

Instrument :

MSVOA_Y

ClientSampleId :

TR-OTR-VOC-01



Tgt Ion:128 Resp: 449

Ion Ratio Lower Upper

128 100

127 19.8 10.6 15.8#

129 0.0 8.6 13.0#

