

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021668.D
 Acq On : 27 Mar 2025 15:48
 Operator : SY/MD
 Sample : Q1645-03
 Misc : 4.82g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4-VOCRE

Quant Time: Mar 28 04:01:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

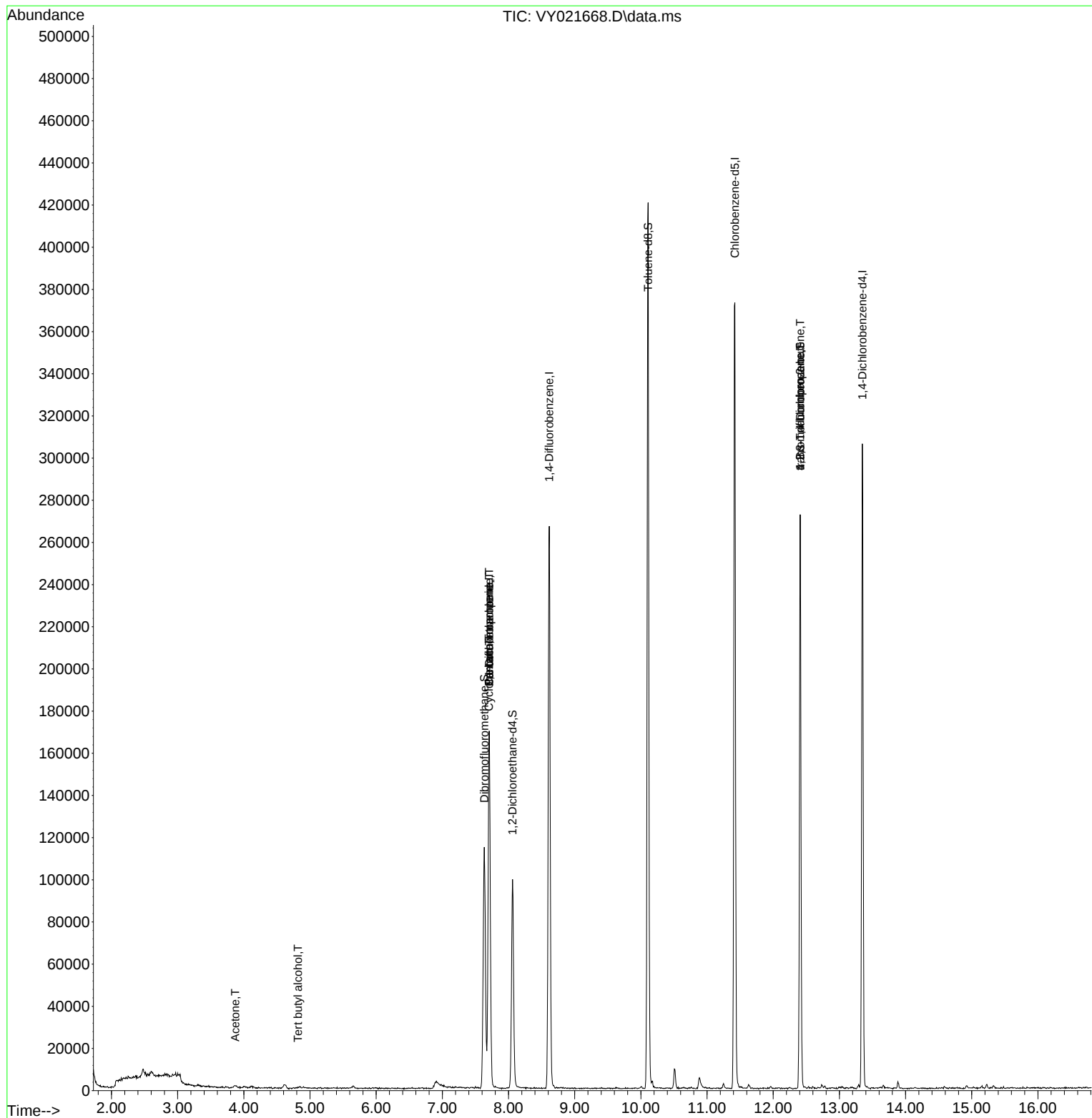
Internal Standards						
1) Pentafluorobenzene	7.707	168	128473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	225530	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	200537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	75293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	77764	55.866	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.740%	
35) Dibromofluoromethane	7.634	113	79615	54.420	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.840%	
50) Toluene-d8	10.109	98	270818	48.659	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.320%	
62) 4-Bromofluorobenzene	12.408	95	78824	41.871	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.740%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.818	59	151	1.670	ug/l #	70
16) Acetone	3.873	43	2292	8.045	ug/l	96
20) Methylene Chloride	4.610	84	843	Below Cal	#	68
31) Cyclohexane	7.701	56	3071	1.250	ug/l #	27
36) 1,1-Dichloropropene	7.707	75	10577	4.747	ug/l #	53
38) Carbon Tetrachloride	7.707	117	13558	5.312	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	41535	55.651	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	41535	128.229	ug/l #	11

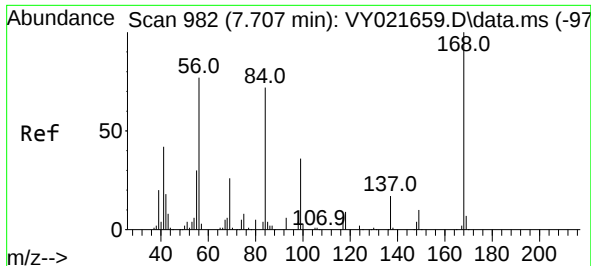
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

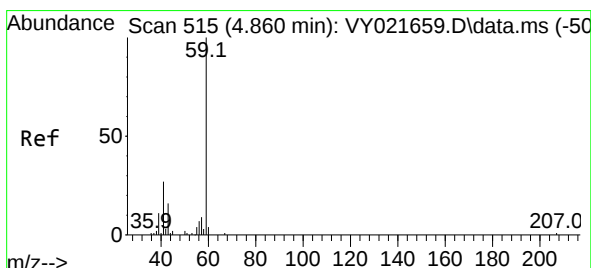
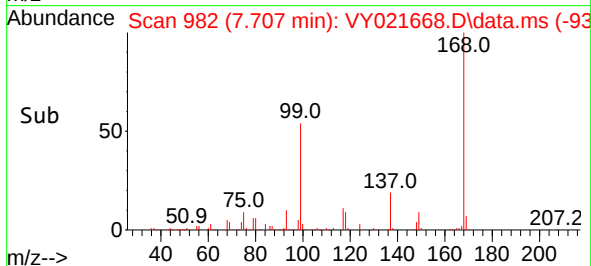
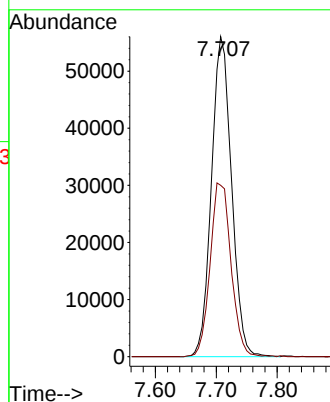
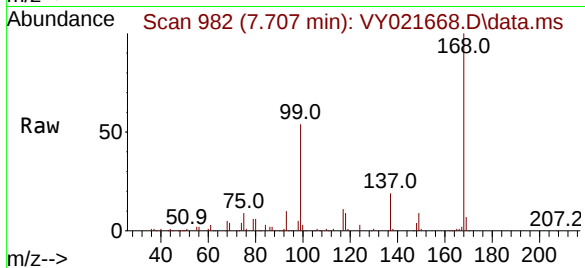




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

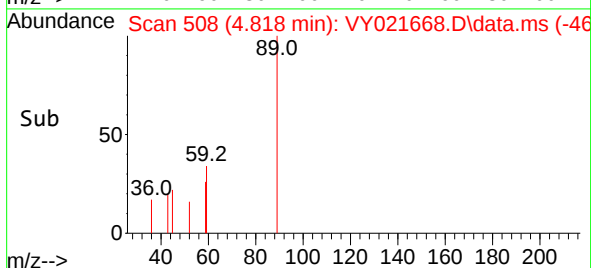
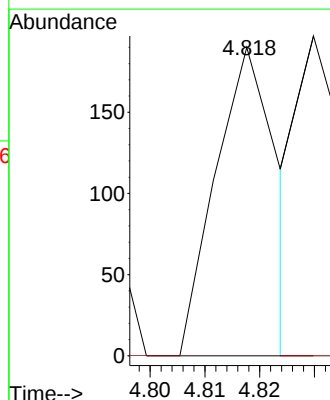
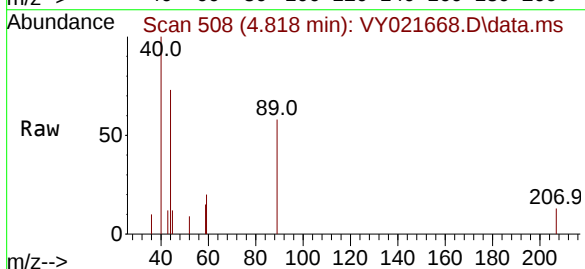
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOCRE

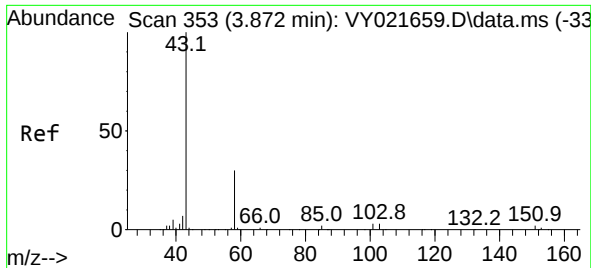
Tgt Ion:168 Resp: 128473
Ion Ratio Lower Upper
168 100
99 53.5 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.670 ug/l
RT: 4.818 min Scan# 508
Delta R.T. -0.042 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

Tgt Ion: 59 Resp: 151
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

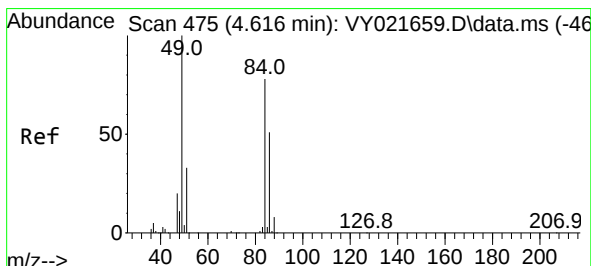
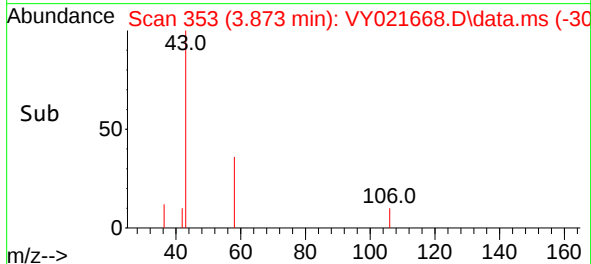
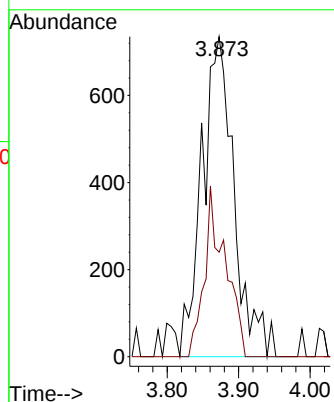
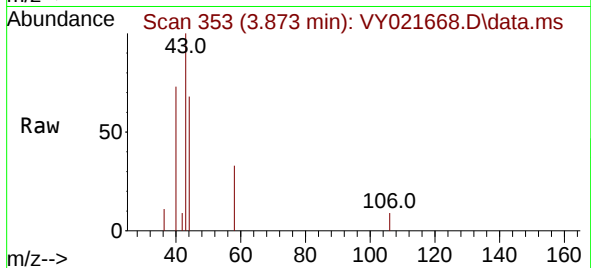




#16
Acetone
Concen: 8.045 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

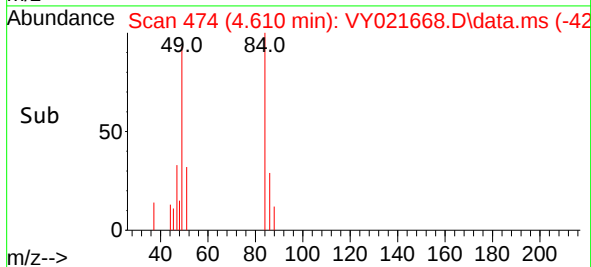
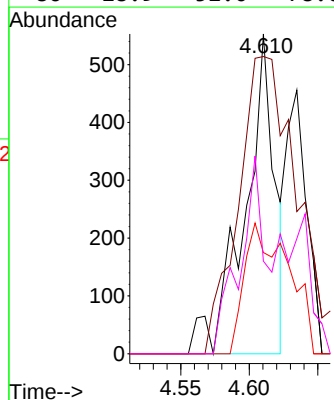
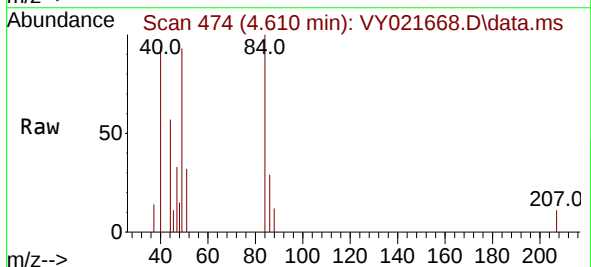
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOCRE

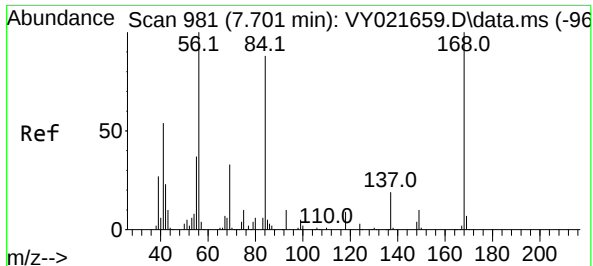
Tgt Ion: 43 Resp: 2292
Ion Ratio Lower Upper
43 100
58 32.7 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

Tgt Ion: 84 Resp: 843
Ion Ratio Lower Upper
84 100
49 92.9 102.8 154.2#
51 31.6 33.5 50.3#
86 28.9 52.0 78.0#

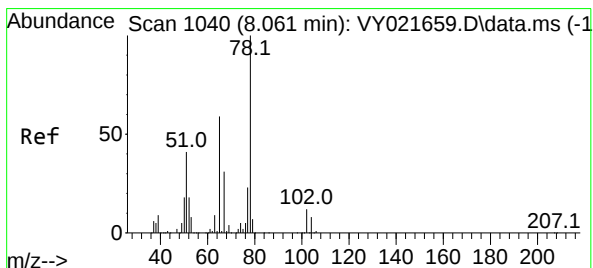
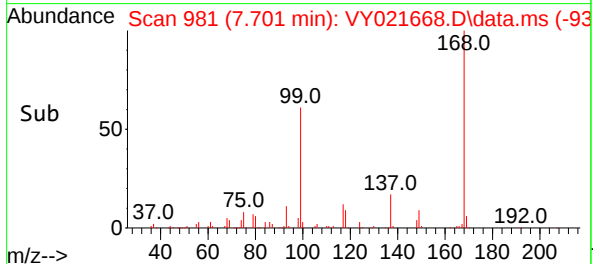
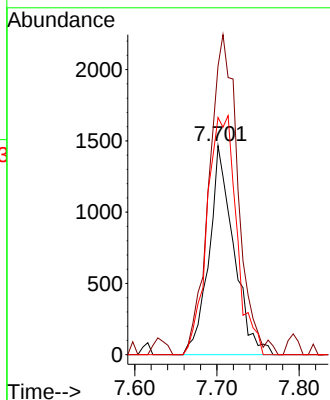
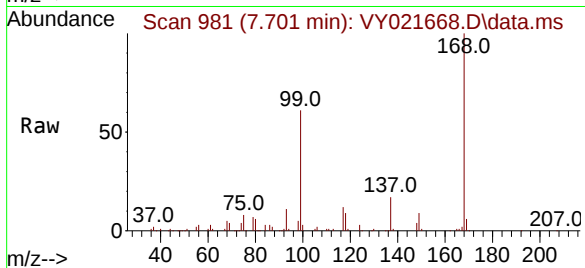




#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

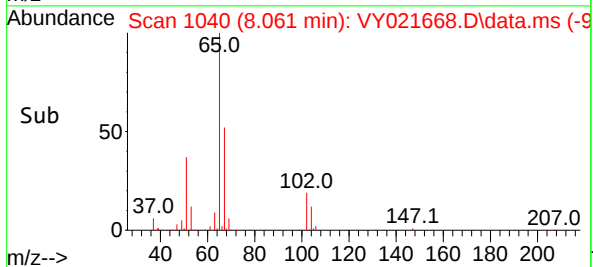
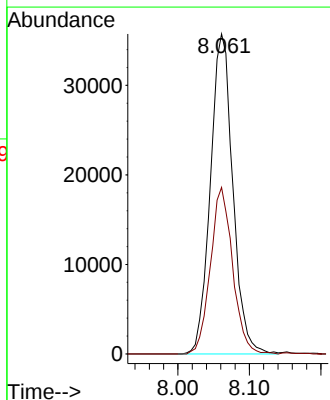
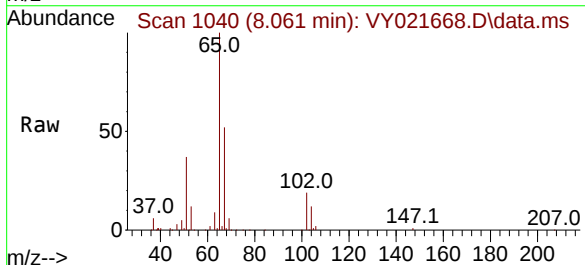
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOCRE

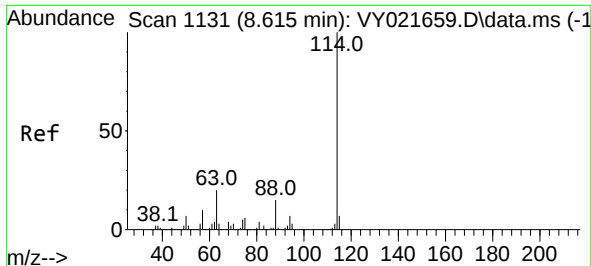
Tgt Ion: 56 Resp: 3071
Ion Ratio Lower Upper
56 100
69 138.2 26.6 40.0#
84 113.5 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 55.866 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

Tgt Ion: 65 Resp: 77764
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.6

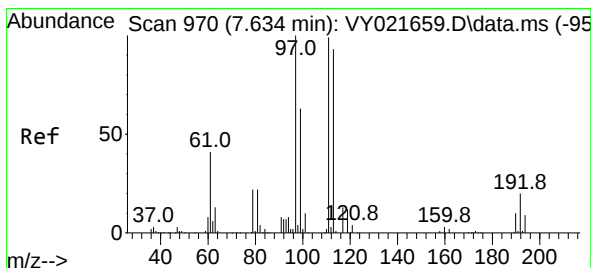
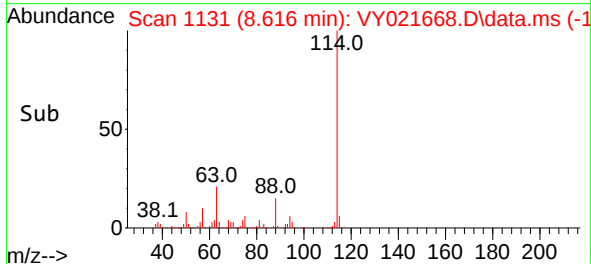
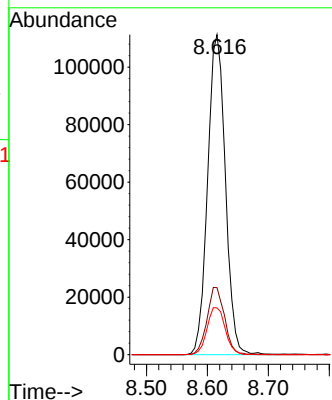
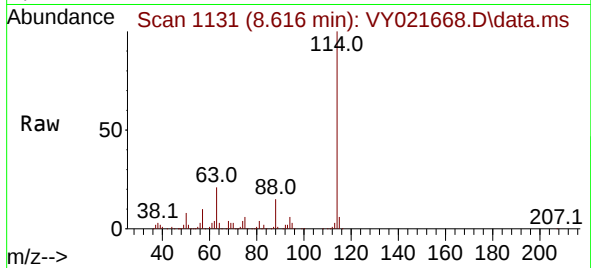




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

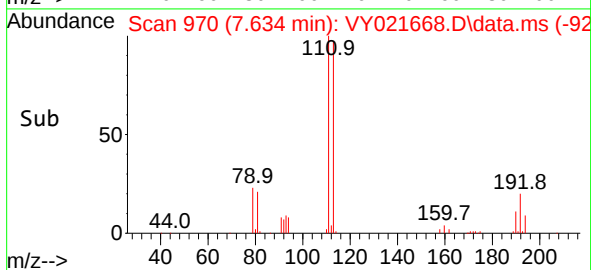
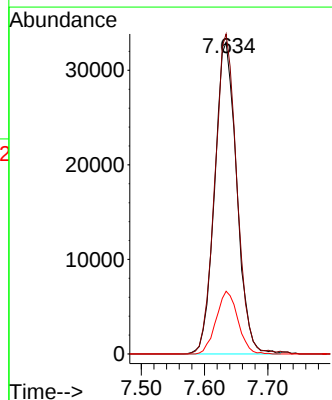
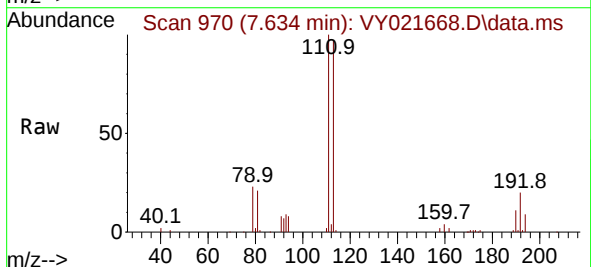
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOCRE

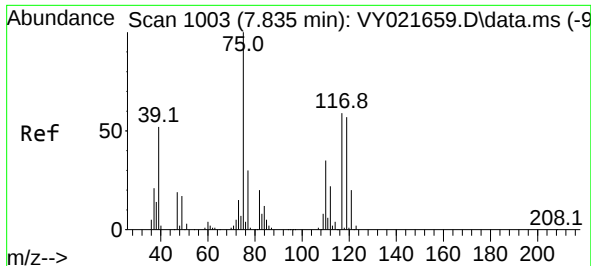
Tgt Ion:114 Resp: 225530
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.2
88 14.6 0.0 29.8



#35
Dibromofluoromethane
Concen: 54.420 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

Tgt Ion:113 Resp: 79615
Ion Ratio Lower Upper
113 100
111 102.1 82.6 123.8
192 19.8 16.2 24.4

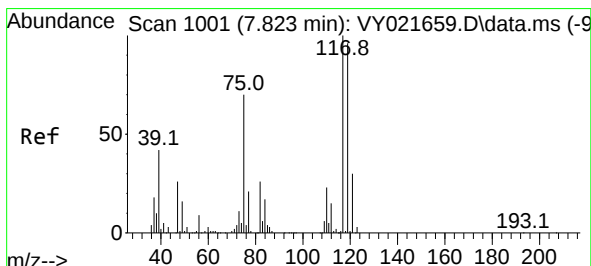
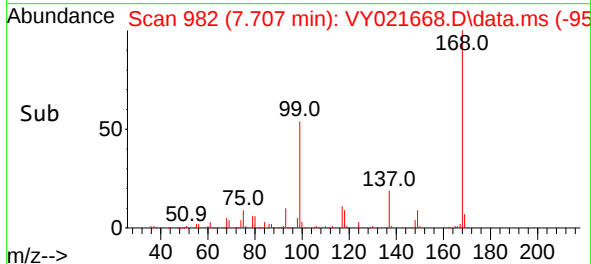
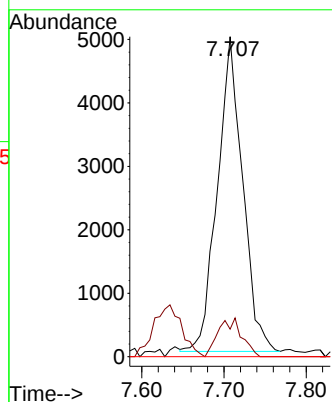
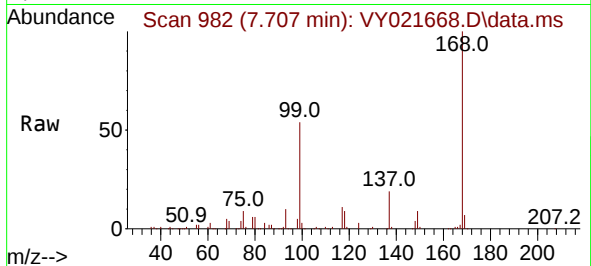




#36
1,1-Dichloropropene
Concen: 4.747 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

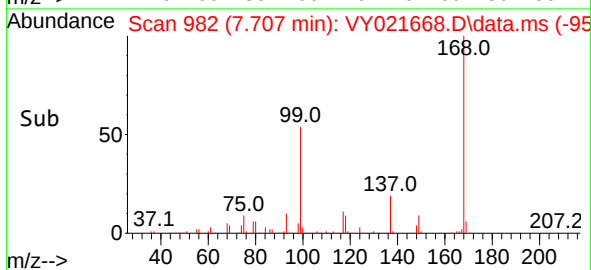
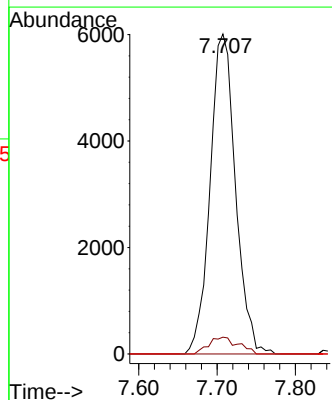
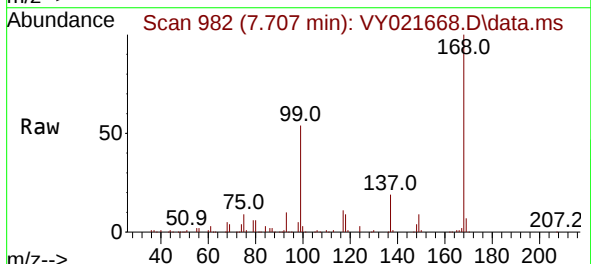
Instrument :
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ClientSampleId :
TP-4-VOCRE

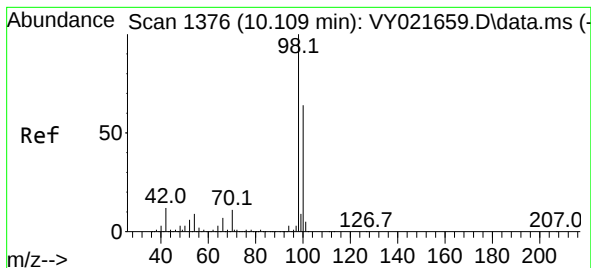
Tgt Ion: 75 Resp: 10577
Ion Ratio Lower Upper
75 100
110 11.5 17.0 50.9#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.312 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

Tgt Ion: 117 Resp: 13558
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.4#
121 0.0 24.2 36.4#

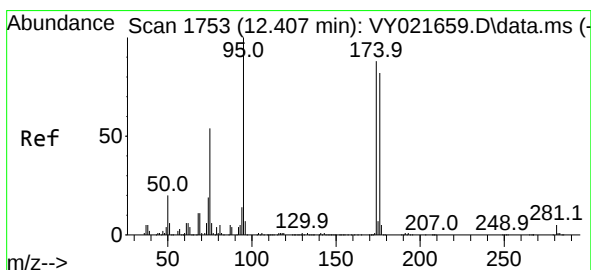
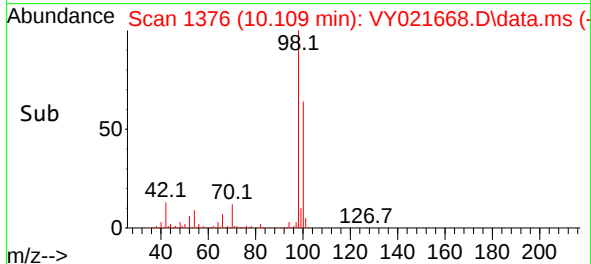
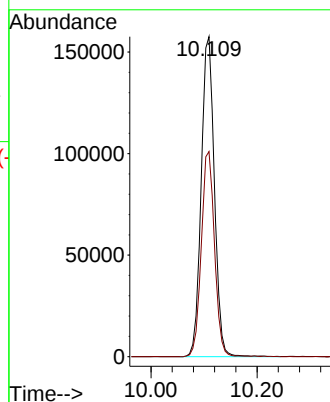
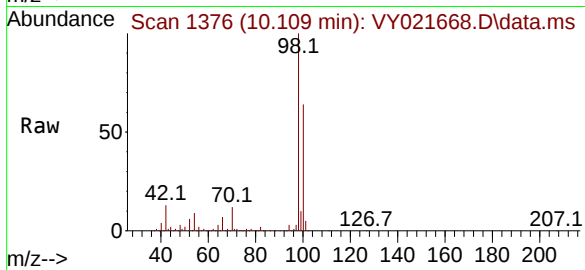




#50
Toluene-d8
Concen: 48.659 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

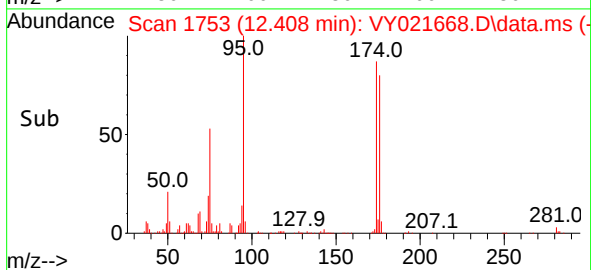
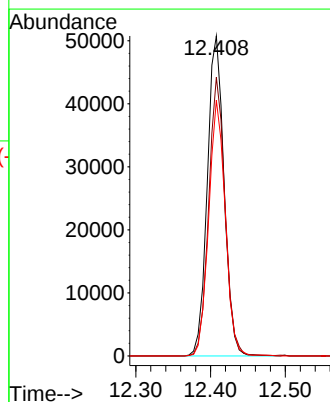
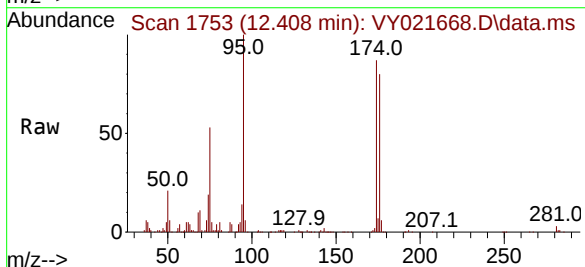
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOCRE

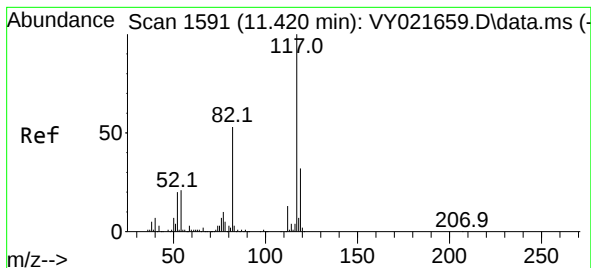
Tgt Ion: 98 Resp: 270818
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 41.871 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

Tgt Ion: 95 Resp: 78824
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.8
176 78.9 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021668.D

Acq: 27 Mar 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-4-VOCRE

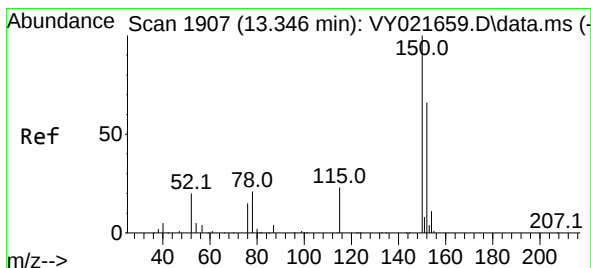
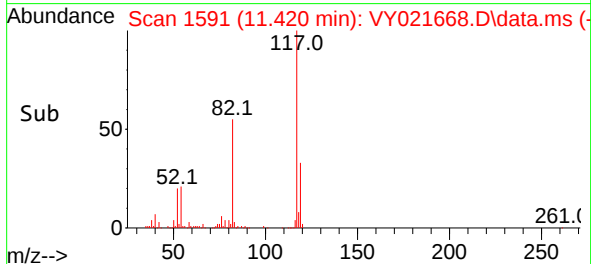
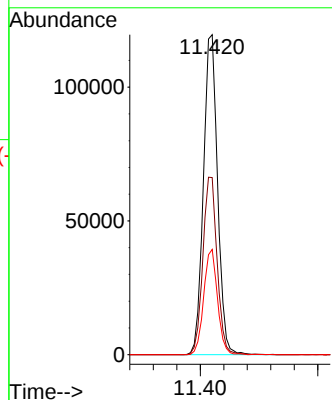
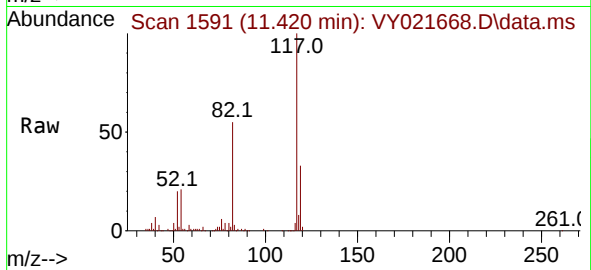
Tgt Ion:117 Resp: 200537

Ion Ratio Lower Upper

117 100

82 55.3 42.8 64.2

119 32.9 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: VY021668.D

Acq: 27 Mar 2025 15:48

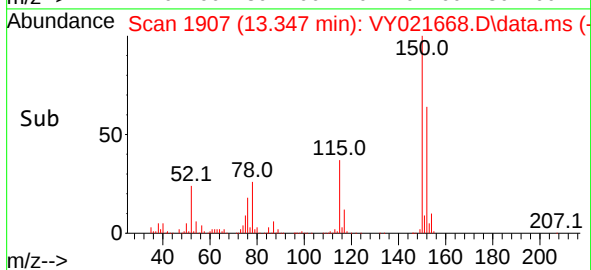
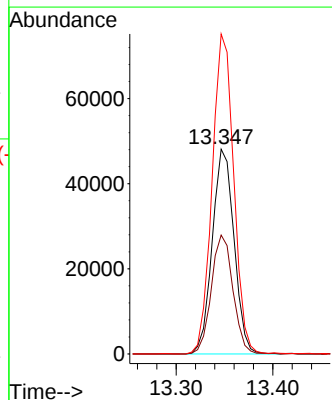
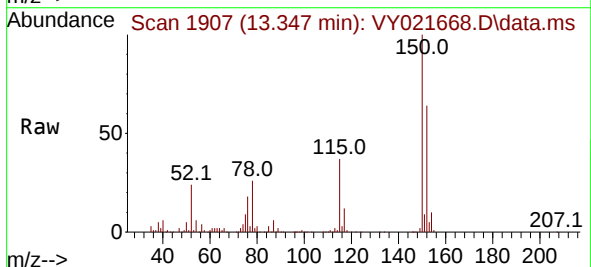
Tgt Ion:152 Resp: 75293

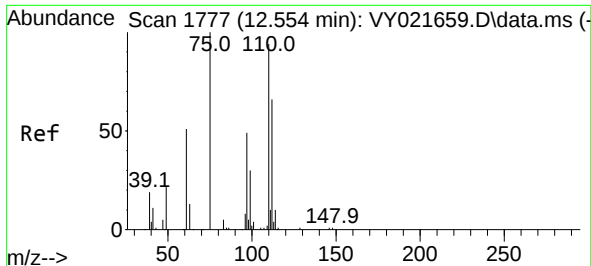
Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 155.1 0.0 348.4

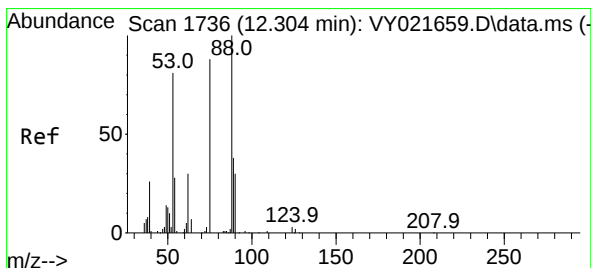
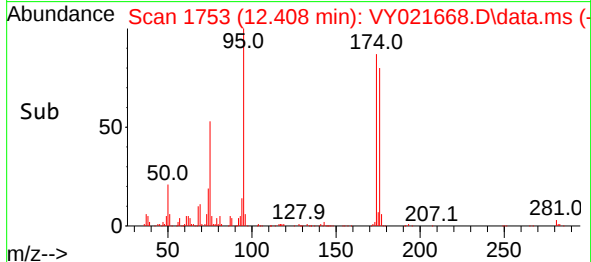
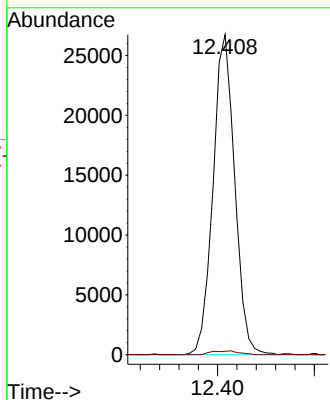
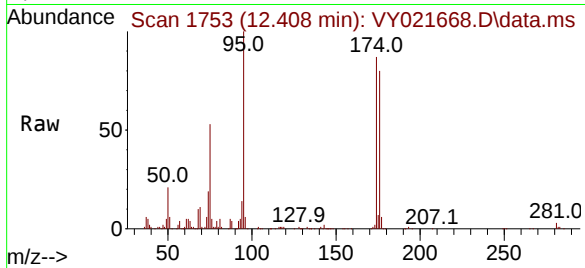




#76
1,2,3-Trichloropropane
Concen: 55.651 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOCRE

Tgt Ion: 75 Resp: 41535
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.229 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

Tgt Ion: 75 Resp: 41535
Ion Ratio Lower Upper
75 100
53 0.0 76.1 114.1#
89 0.0 36.2 54.4#

