

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021664.D
 Acq On : 27 Mar 2025 13:59
 Operator : SY/MD
 Sample : VY0327SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0327SBL01

Quant Time: Mar 28 03:58:23 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)

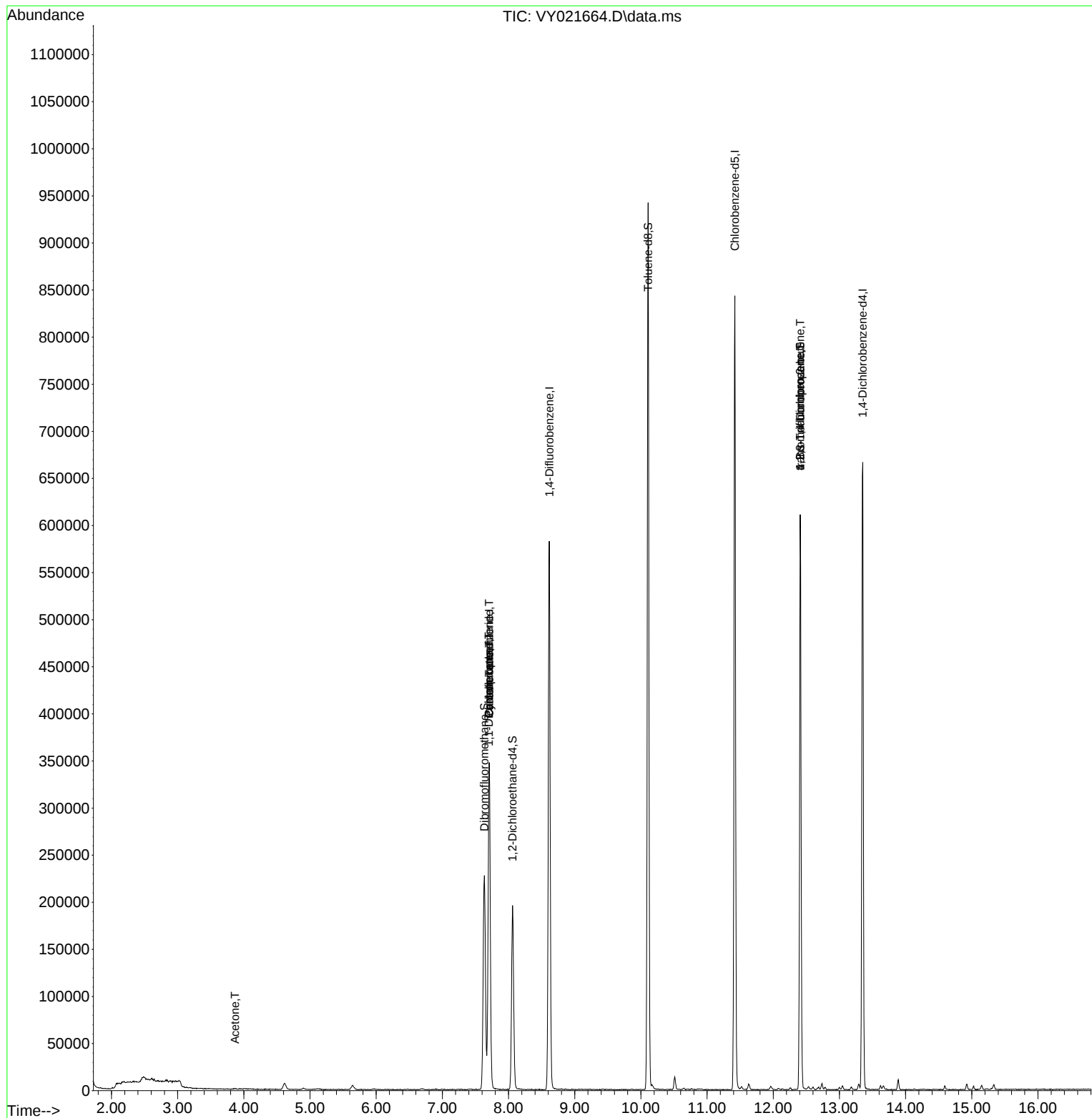
Internal Standards						
1) Pentafluorobenzene	7.707	168	261871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	486677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	431003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	168096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	152066	53.595	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.200%	
35) Dibromofluoromethane	7.634	113	163312	51.730	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.460%	
50) Toluene-d8	10.109	98	585434	48.745	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.480%	
62) 4-Bromofluorobenzene	12.408	95	179432	44.169	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.340%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	941	1.621	ug/l #	69
20) Methylene Chloride	4.616	84	4658	Below Cal		86
31) Cyclohexane	7.707	56	6164	1.231	ug/l #	17
36) 1,1-Dichloropropene	7.701	75	21755	4.524	ug/l #	49
38) Carbon Tetrachloride	7.707	117	27319	4.960	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	96525	57.929	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	96525	133.478	ug/l #	12

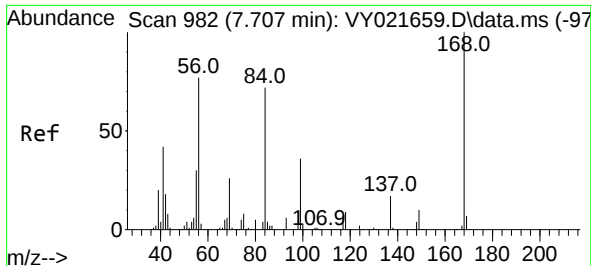
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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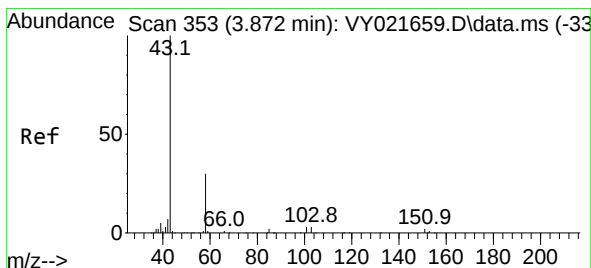
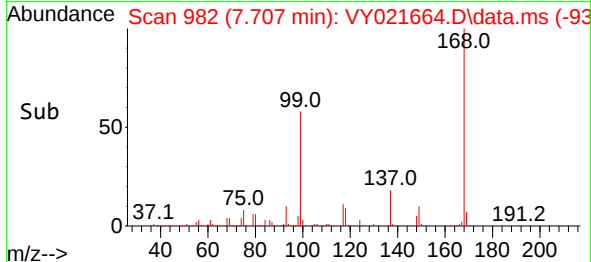
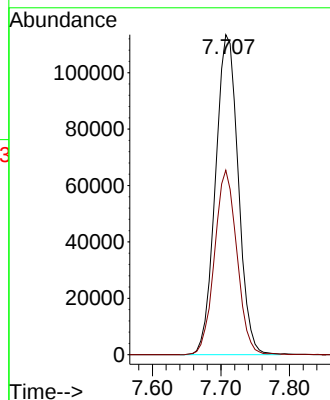
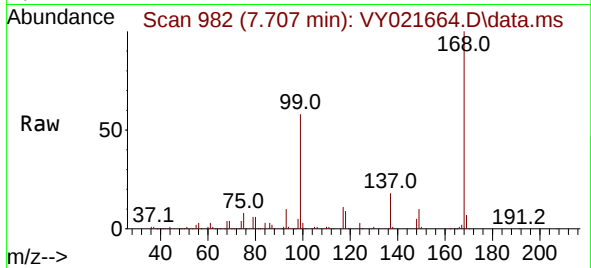




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021664.D
Acq: 27 Mar 2025 13:59

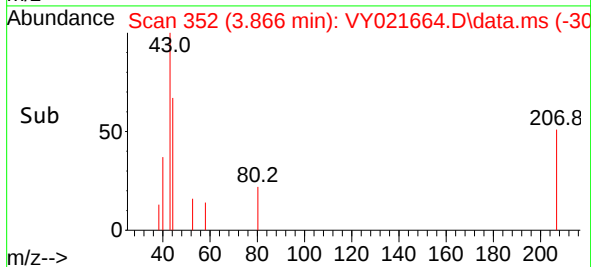
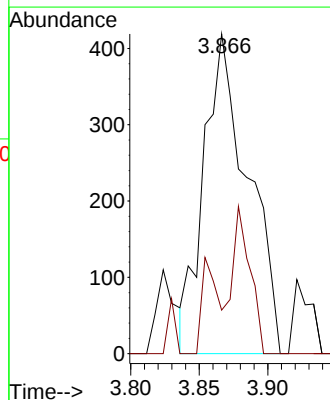
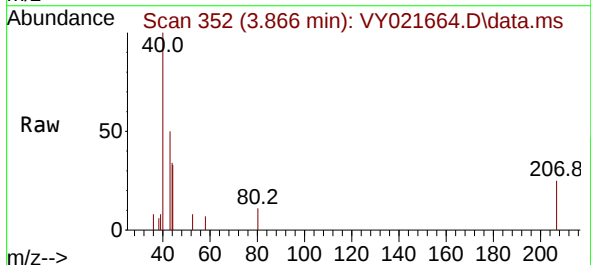
Instrument :
MSVOA_Y
ClientSampleId :
VY0327SBL01

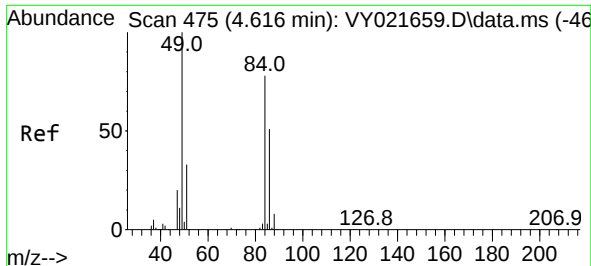
Tgt Ion:168 Resp: 261871
Ion Ratio Lower Upper
168 100
99 57.6 46.7 70.1



#16
Acetone
Concen: 1.621 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021664.D
Acq: 27 Mar 2025 13:59

Tgt Ion: 43 Resp: 941
Ion Ratio Lower Upper
43 100
58 13.6 24.2 36.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.616 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY021664.D

Acq: 27 Mar 2025 13:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0327SBL01

Tgt Ion: 84 Resp: 4658

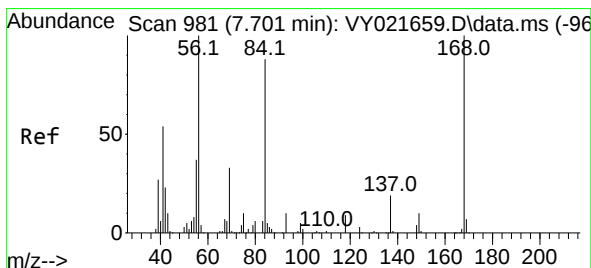
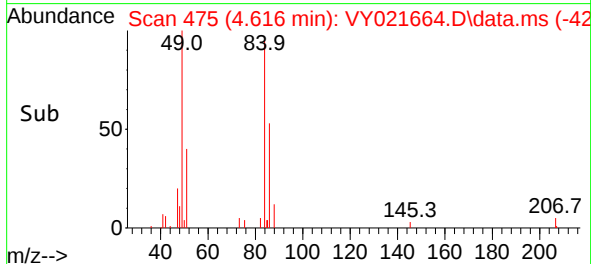
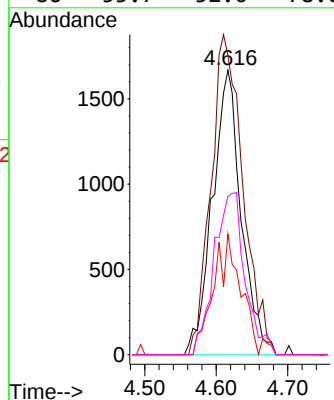
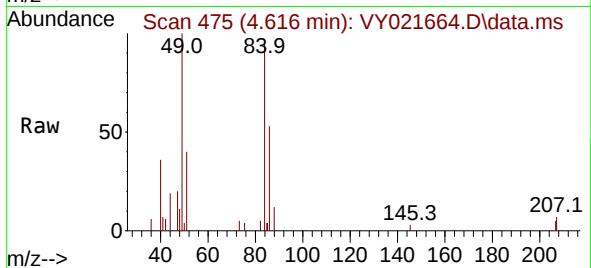
Ion Ratio Lower Upper

84 100

49 105.3 102.8 154.2

51 42.4 33.5 50.3

86 55.7 52.0 78.0



#31

Cyclohexane

Concen: 1.231 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY021664.D

Acq: 27 Mar 2025 13:59

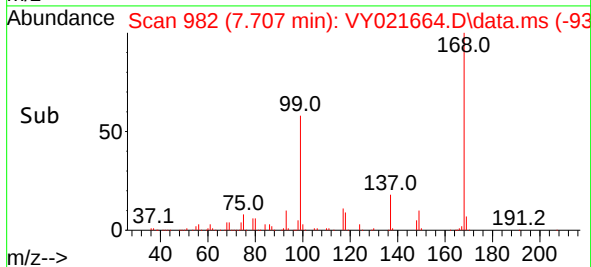
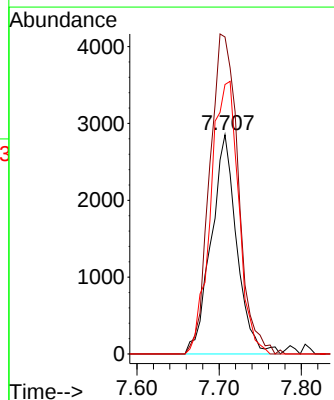
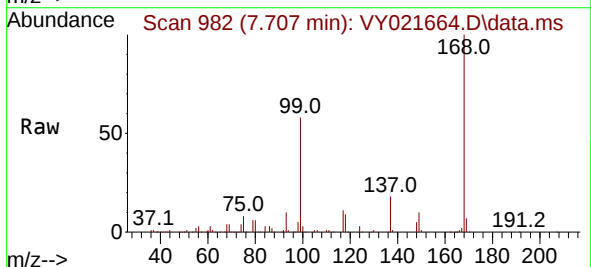
Tgt Ion: 56 Resp: 6164

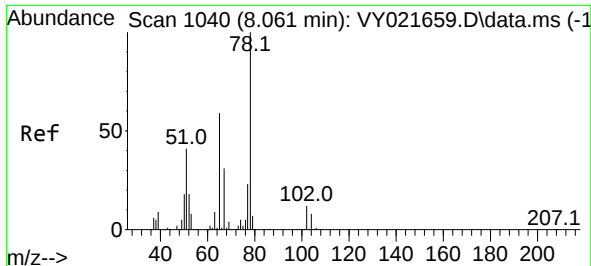
Ion Ratio Lower Upper

56 100

69 144.5 26.6 40.0#

84 122.9 69.0 103.4#

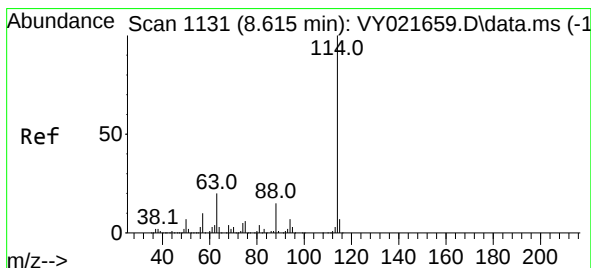
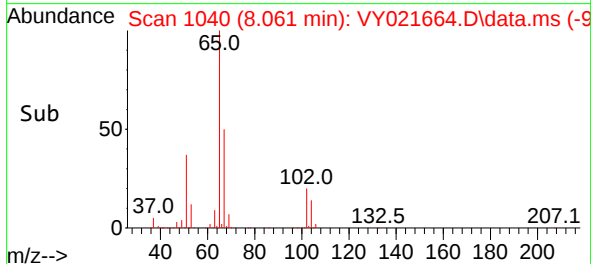
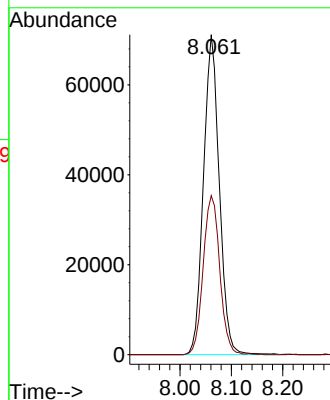
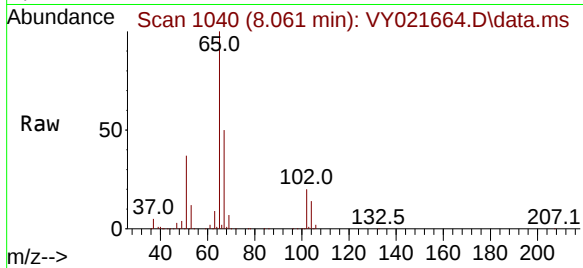




#33
1,2-Dichloroethane-d4
Concen: 53.595 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021664.D
Acq: 27 Mar 2025 13:59

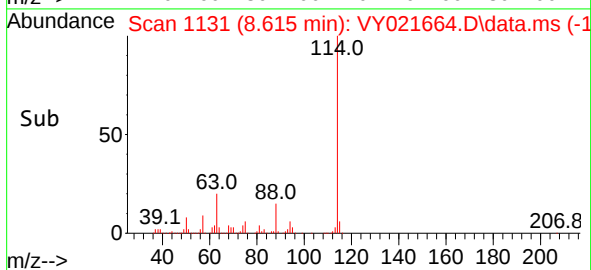
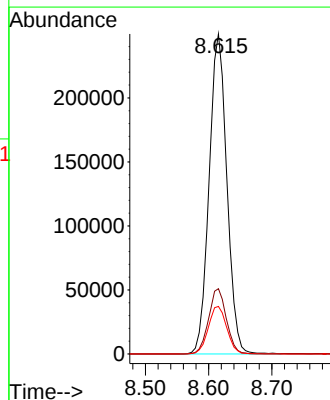
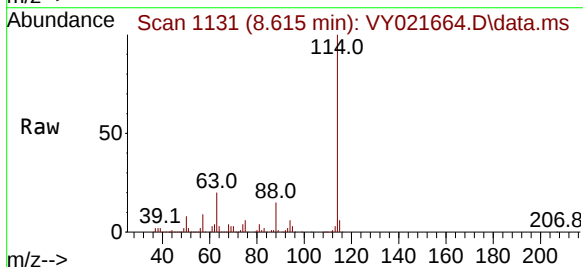
Instrument :
MSVOA_Y
ClientSampleId :
VY0327SBL01

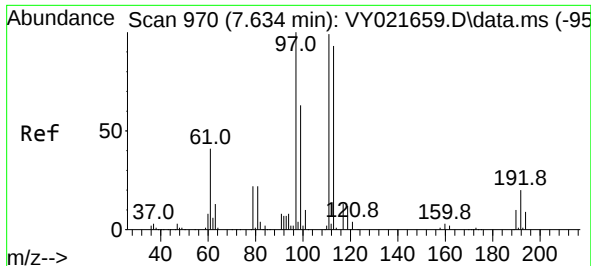
Tgt Ion: 65 Resp: 152066
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021664.D
Acq: 27 Mar 2025 13:59

Tgt Ion: 114 Resp: 486677
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.2
88 14.8 0.0 29.8

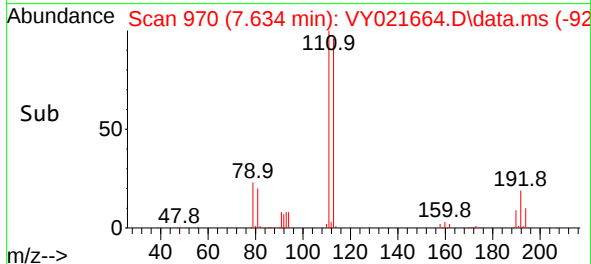
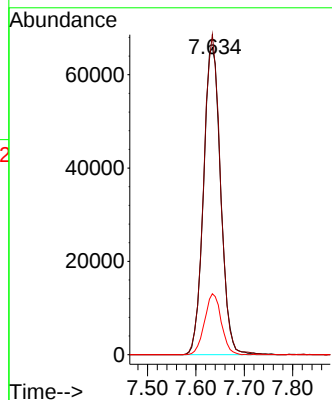
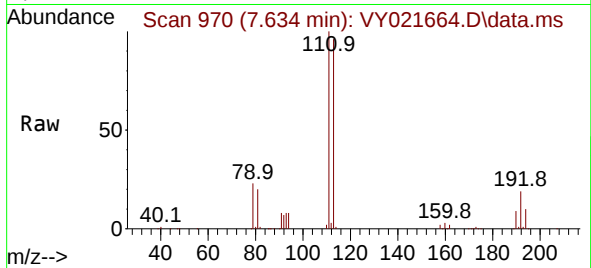




#35
Dibromofluoromethane
Concen: 51.730 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021664.D
Acq: 27 Mar 2025 13:59

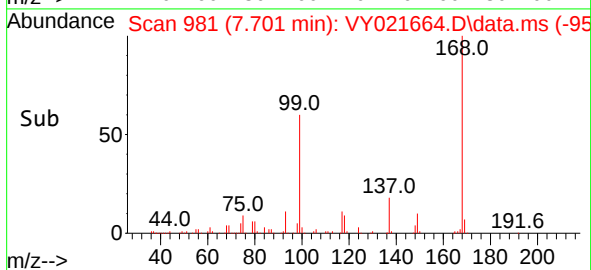
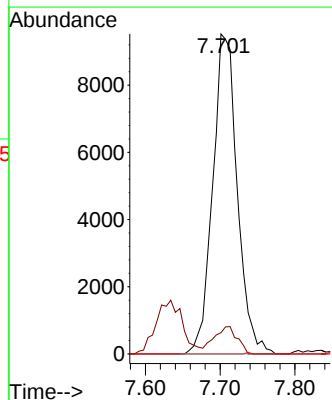
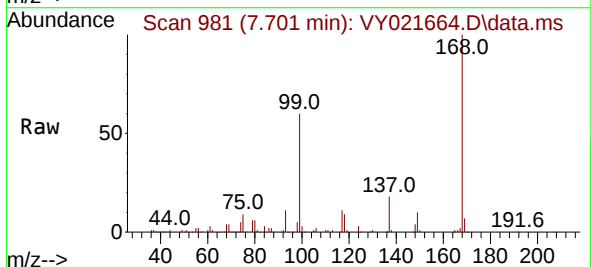
Instrument :
MSVOA_Y
ClientSampleId :
VY0327SBL01

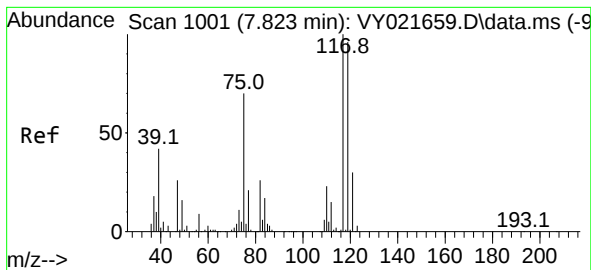
Tgt Ion:113 Resp: 163312
Ion Ratio Lower Upper
113 100
111 100.9 82.6 123.8
192 19.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.524 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY021664.D
Acq: 27 Mar 2025 13:59

Tgt Ion: 75 Resp: 21755
Ion Ratio Lower Upper
75 100
110 8.0 17.0 50.9#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.960 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021664.D

Acq: 27 Mar 2025 13:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0327SBL01

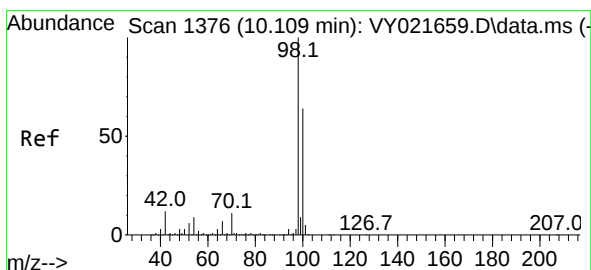
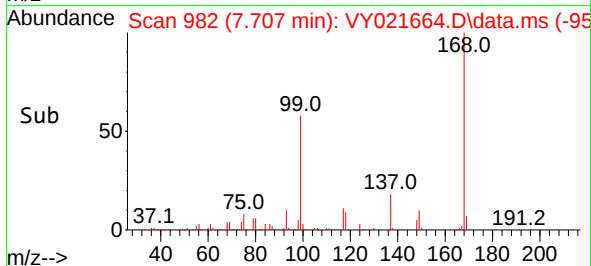
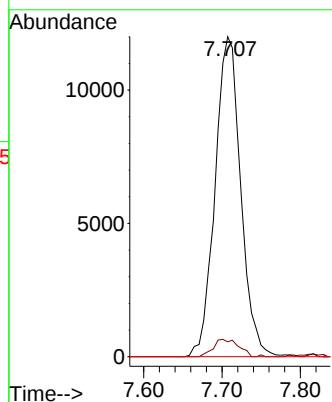
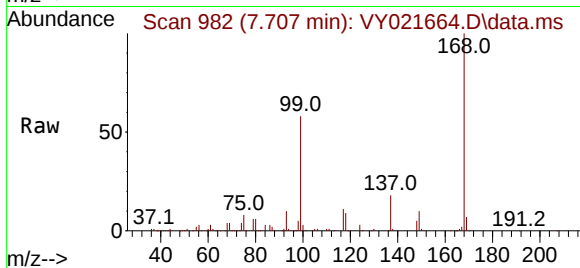
Tgt Ion:117 Resp: 27319

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 48.745 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021664.D

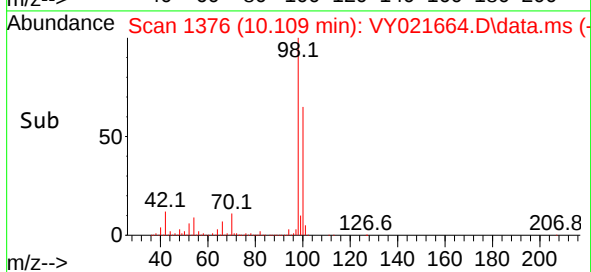
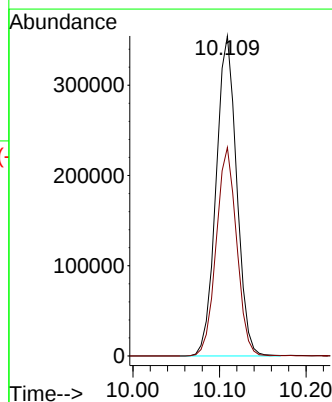
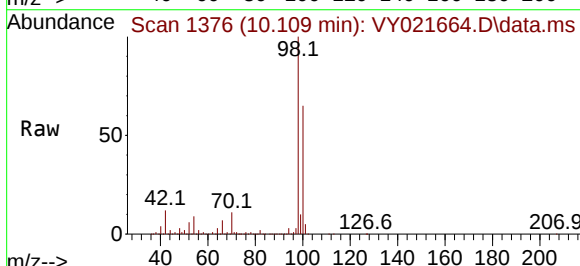
Acq: 27 Mar 2025 13:59

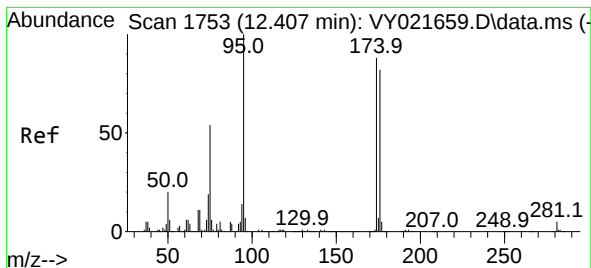
Tgt Ion: 98 Resp: 585434

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1

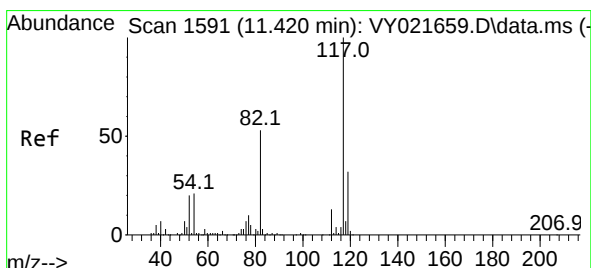
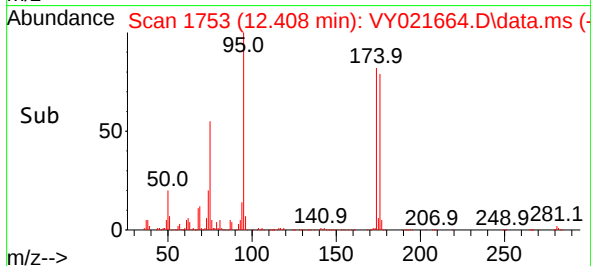
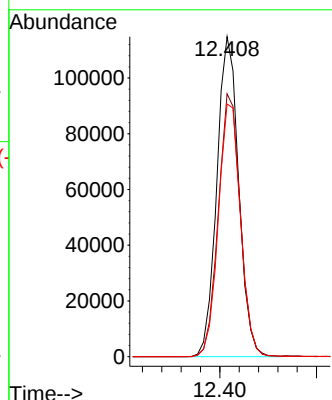
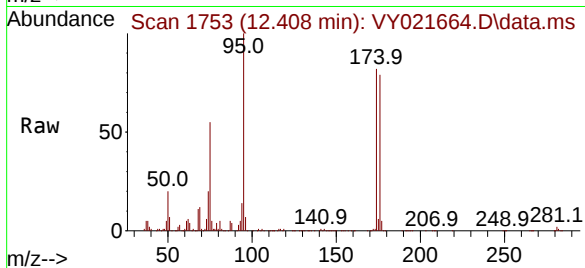




#62
4-Bromofluorobenzene
Concen: 44.169 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021664.D
Acq: 27 Mar 2025 13:59

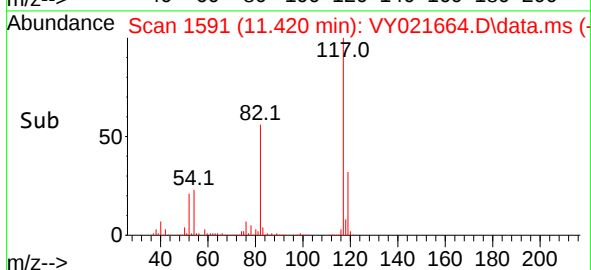
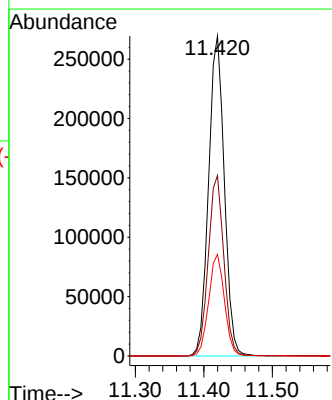
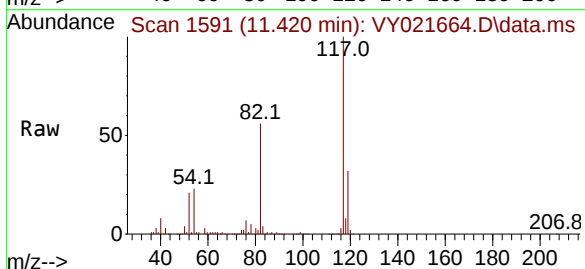
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VY0327SBL01

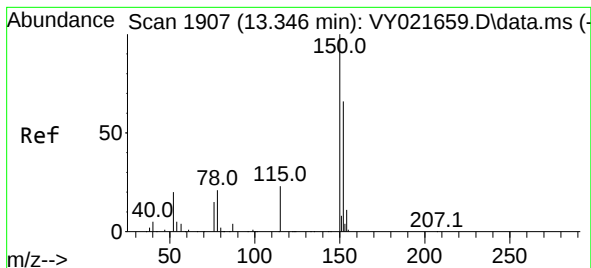
Tgt Ion: 95 Resp: 179432
Ion Ratio Lower Upper
95 100
174 82.5 0.0 170.8
176 80.2 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021664.D
Acq: 27 Mar 2025 13:59

Tgt Ion: 117 Resp: 431003
Ion Ratio Lower Upper
117 100
82 56.4 42.8 64.2
119 31.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY021664.D

Acq: 27 Mar 2025 13:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0327SBL01

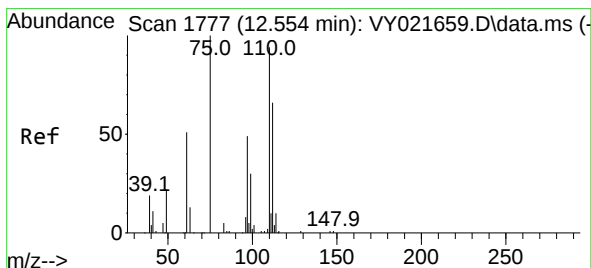
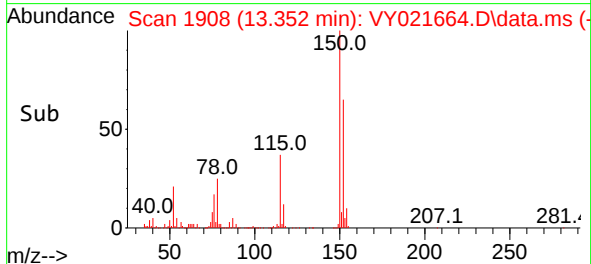
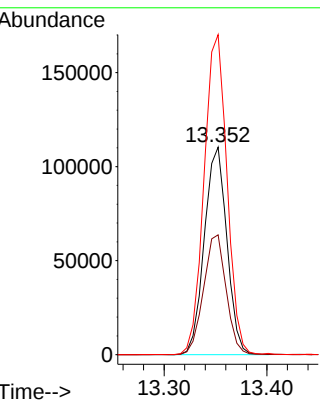
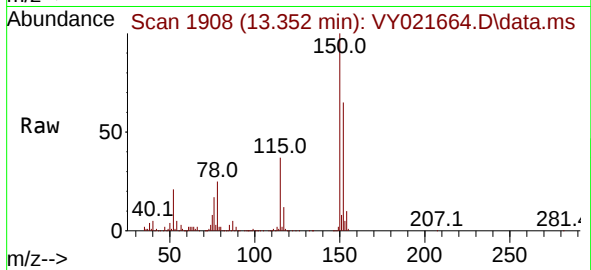
Tgt Ion:152 Resp: 168096

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 156.9 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 57.929 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021664.D

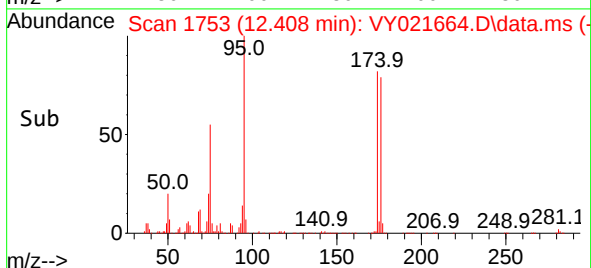
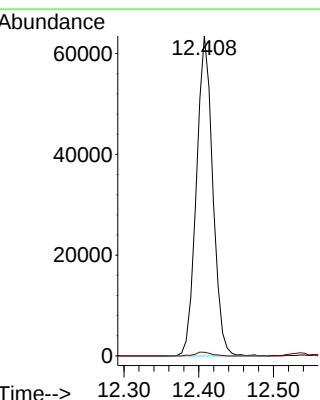
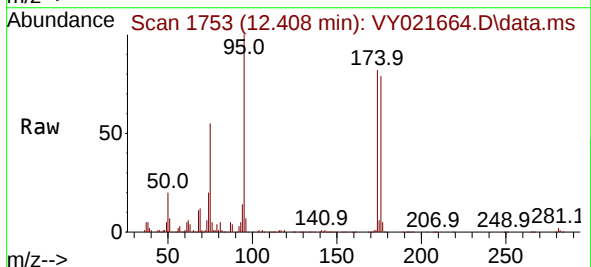
Acq: 27 Mar 2025 13:59

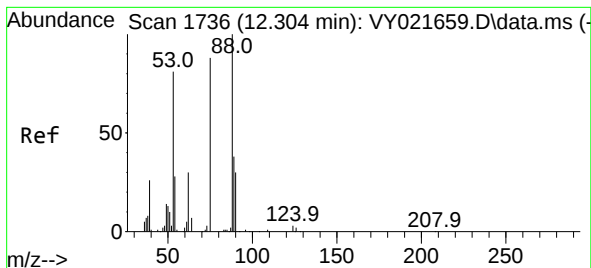
Tgt Ion: 75 Resp: 96525

Ion Ratio Lower Upper

75 100

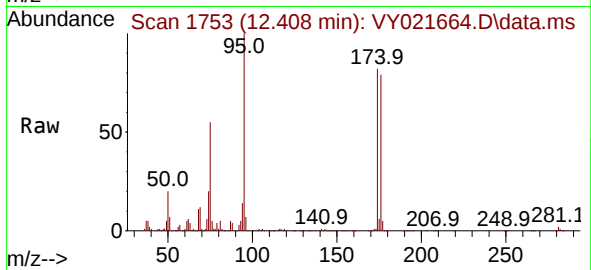
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.478 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021664.D
 Acq: 27 Mar 2025 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0327SBL01



Tgt Ion: 75 Resp: 96525
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.1 36.2 54.4#

