

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021932.D
 Acq On : 18 Apr 2025 15:44
 Operator : SY/MD
 Sample : Q1840-01
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-04-04182025

Quant Time: Apr 19 01:14:58 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)

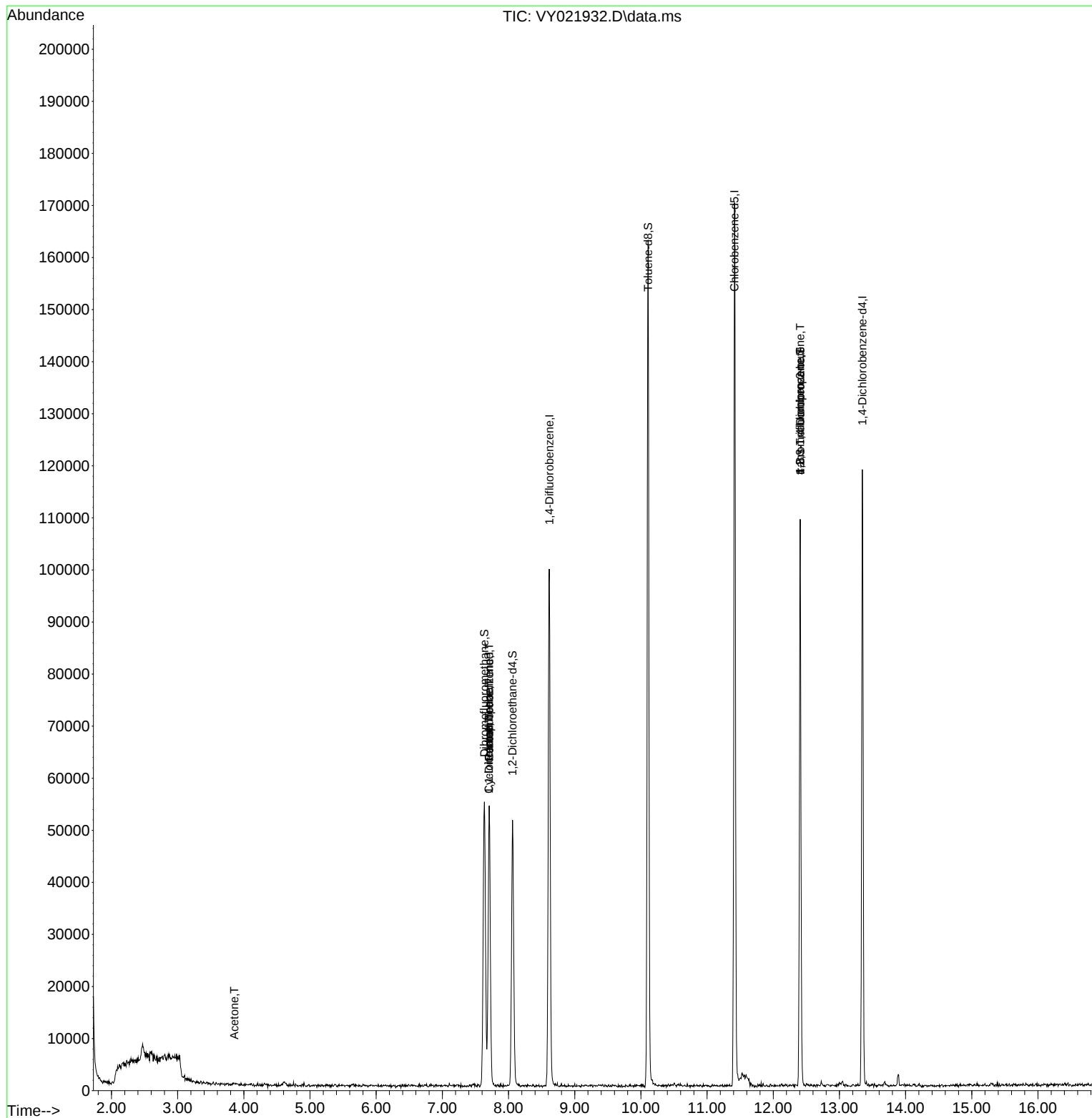
Internal Standards						
1) Pentafluorobenzene	7.707	168	39363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	85293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	90057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	29466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	41843	98.111	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 196.220%#	
35) Dibromofluoromethane	7.634	113	39274	70.984	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 141.960%	
50) Toluene-d8	10.109	98	107207	50.933	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.860%	
62) 4-Bromofluorobenzene	12.408	95	31936	44.856	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.720%	
Target Compounds						
					Qvalue	
16) Acetone	3.854	43	463	5.304	ug/l	90
20) Methylene Chloride	4.616	84	460	Below Cal	#	80
31) Cyclohexane	7.701	56	1001	1.330	ug/l #	31
36) 1,1-Dichloropropene	7.701	75	3313	3.931	ug/l #	48
38) Carbon Tetrachloride	7.707	117	4241	4.394	ug/l #	19
76) 1,2,3-Trichloropropane	12.408	75	17667	60.486	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	17667	139.370	ug/l #	12

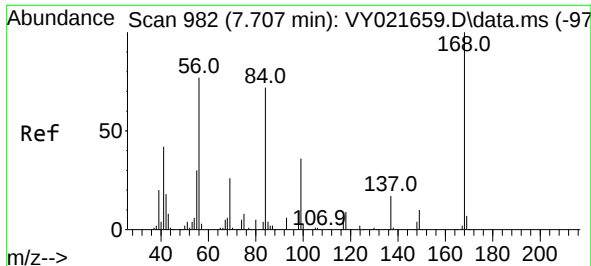
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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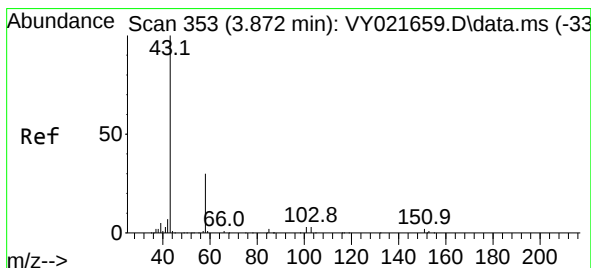
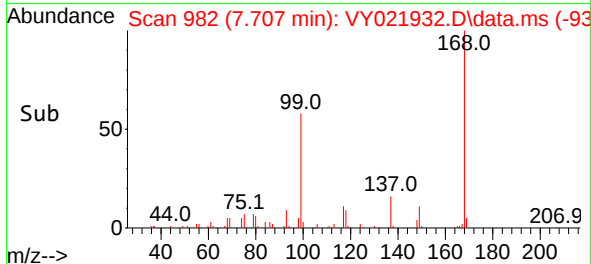
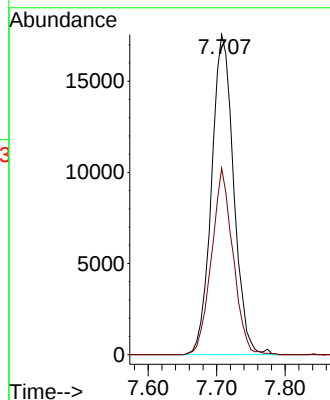
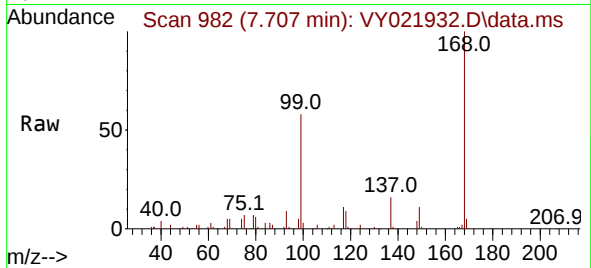




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

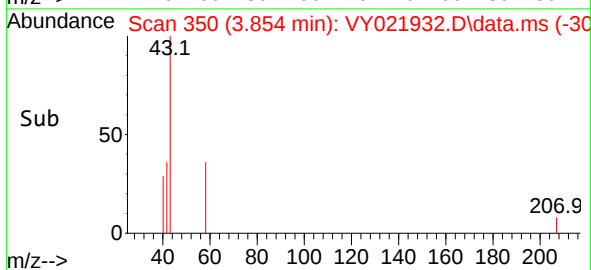
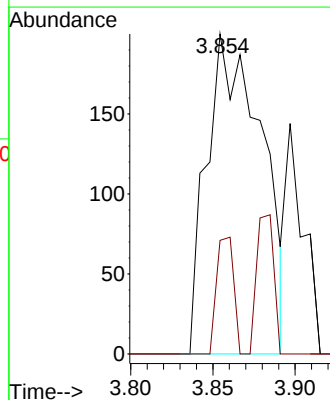
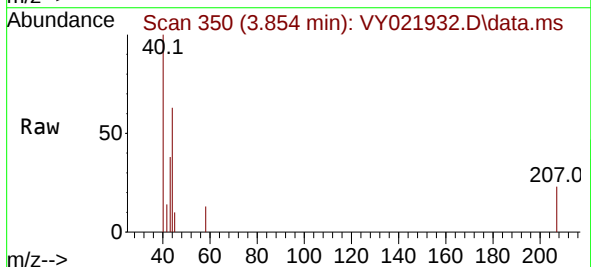
Instrument :
MSVOA_Y
ClientSampleId :
OK-04-04182025

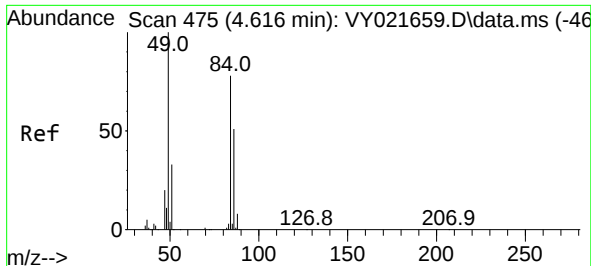
Tgt Ion:168 Resp: 39363
Ion Ratio Lower Upper
168 100
99 58.3 46.7 70.1



#16
Acetone
Concen: 5.304 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.018 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

Tgt Ion: 43 Resp: 463
Ion Ratio Lower Upper
43 100
58 35.5 24.2 36.4

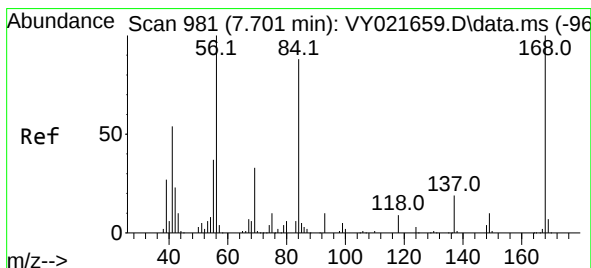
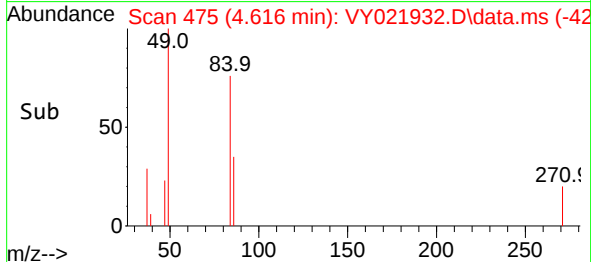
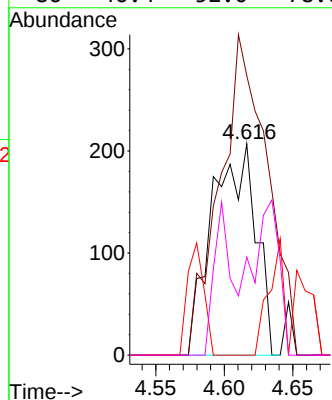
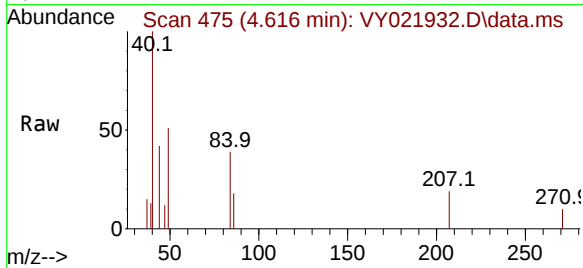




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

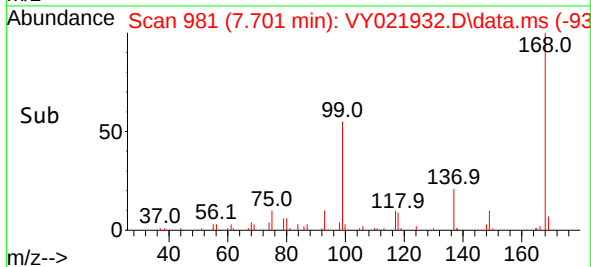
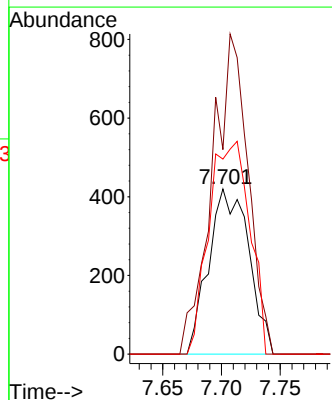
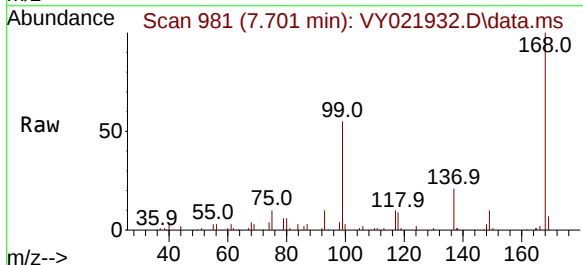
Instrument :
MSVOA_Y
ClientSampleId :
OK-04-04182025

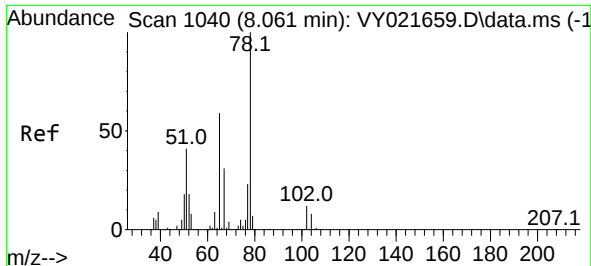
Tgt Ion:	84	Resp:	460
Ion	Ratio	Lower	Upper
84	100		
49	132.4	102.8	154.2
51	0.0	33.5	50.3#
86	46.4	52.0	78.0#



#31
Cyclohexane
Concen: 1.330 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

Tgt Ion:	56	Resp:	1001
Ion	Ratio	Lower	Upper
56	100		
69	123.8	26.6	40.0#
84	118.1	69.0	103.4#

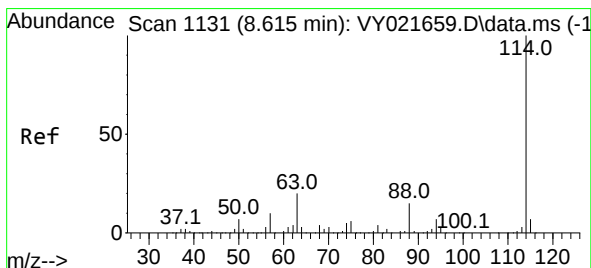
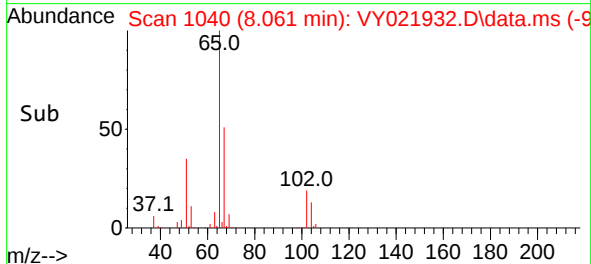
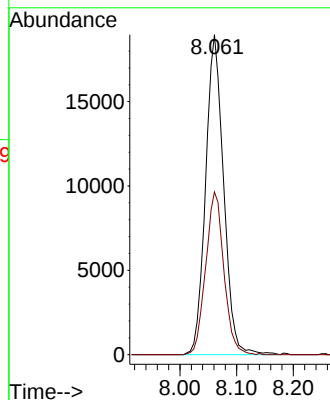
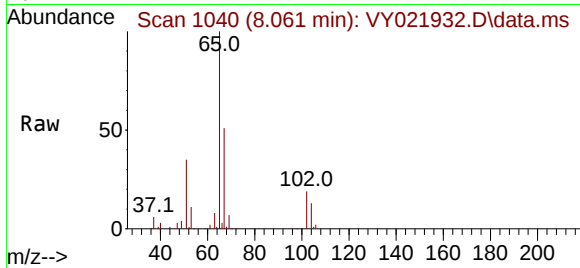




#33
1,2-Dichloroethane-d4
Concen: 98.111 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

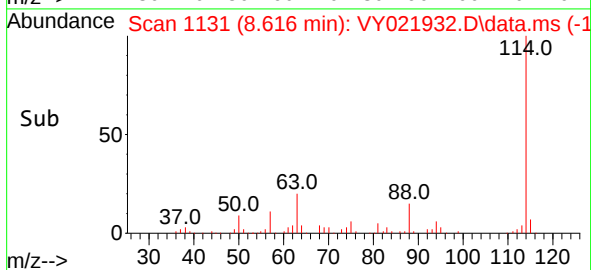
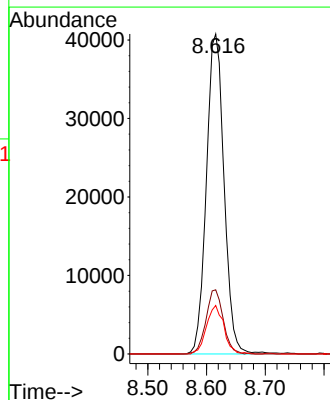
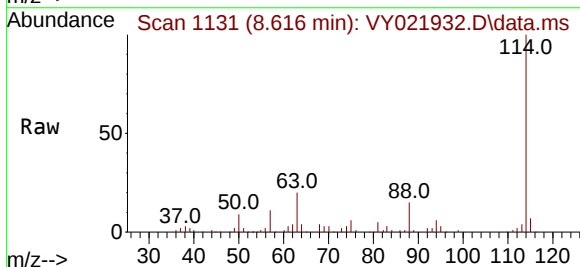
Instrument :
MSVOA_Y
ClientSampleId :
OK-04-04182025

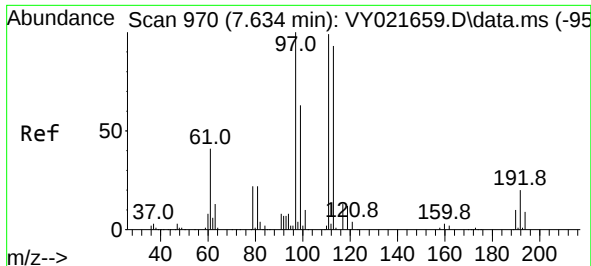
Tgt Ion: 65 Resp: 41843
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

Tgt Ion: 114 Resp: 85293
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.2
88 15.2 0.0 29.8

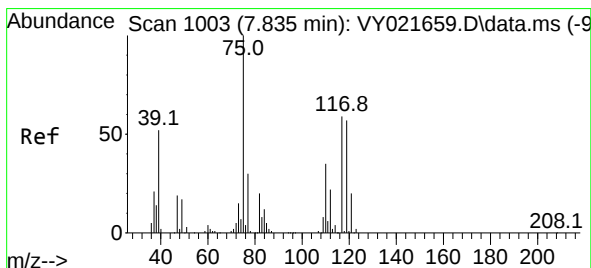
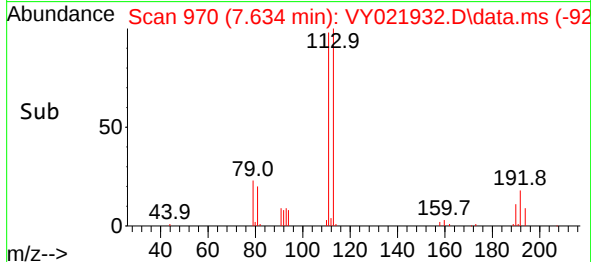
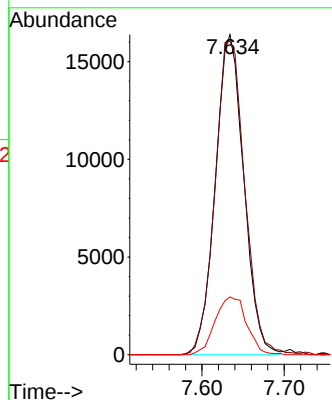
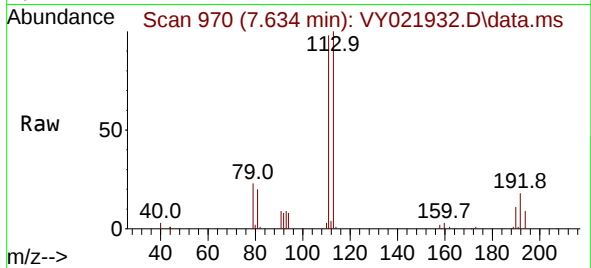




#35
Dibromofluoromethane
Concen: 70.984 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

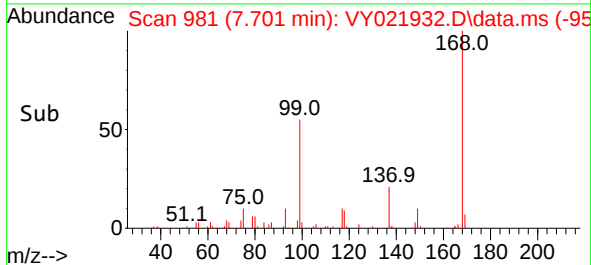
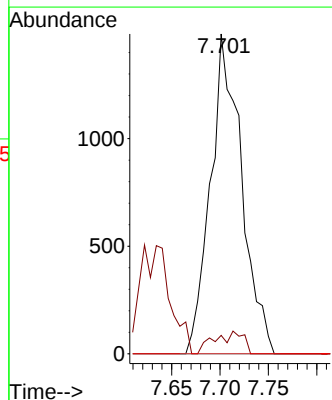
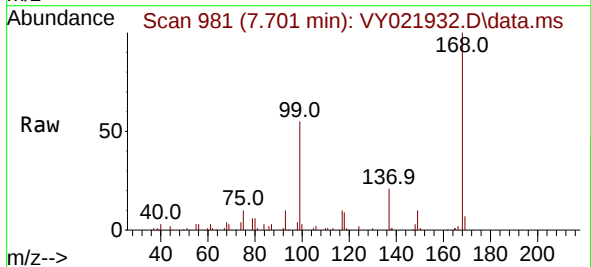
Instrument :
MSVOA_Y
ClientSampleId :
OK-04-04182025

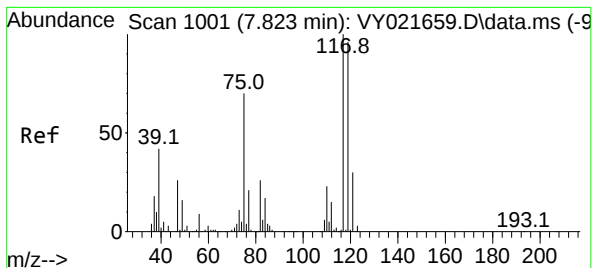
Tgt Ion:113 Resp: 39274
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 20.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 3.931 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

Tgt Ion: 75 Resp: 3313
Ion Ratio Lower Upper
75 100
110 6.6 17.0 50.9#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.394 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021932.D

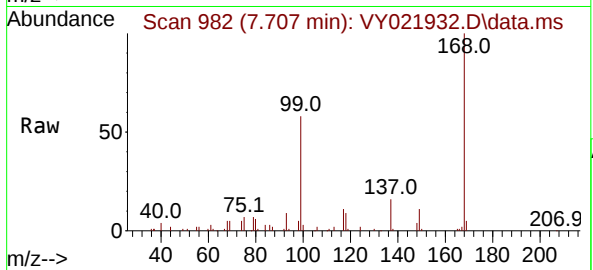
Acq: 18 Apr 2025 15:44

Instrument :

MSVOA_Y

ClientSampleId :

OK-04-04182025



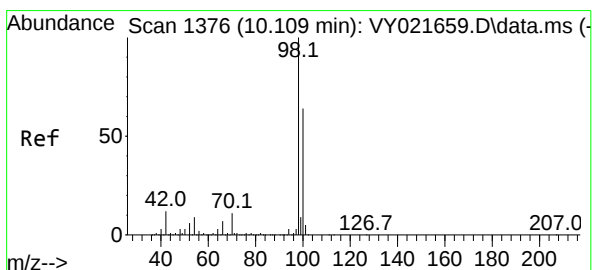
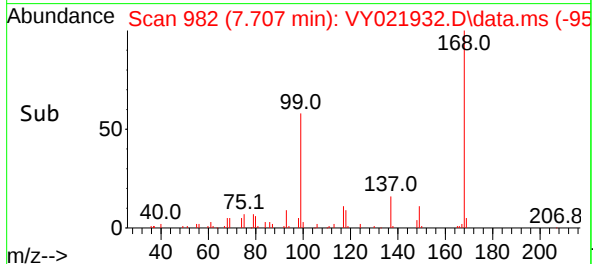
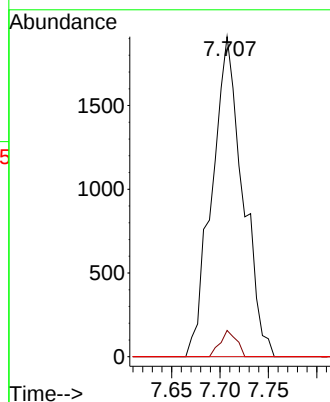
Tgt Ion:117 Resp: 4241

Ion Ratio Lower Upper

117 100

119 8.2 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 50.933 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021932.D

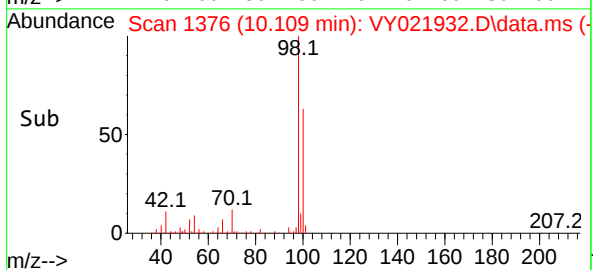
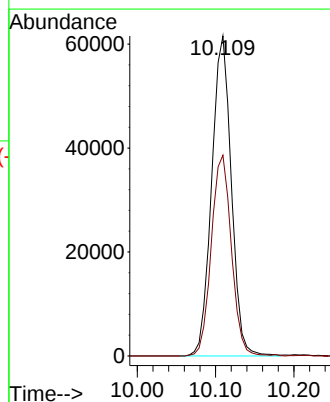
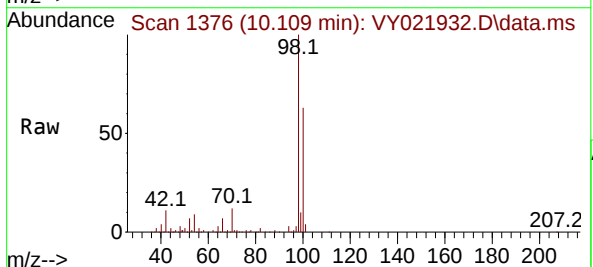
Acq: 18 Apr 2025 15:44

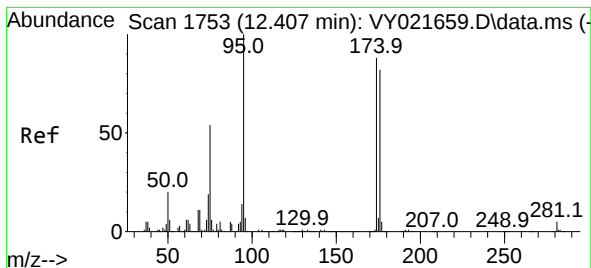
Tgt Ion: 98 Resp: 107207

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1

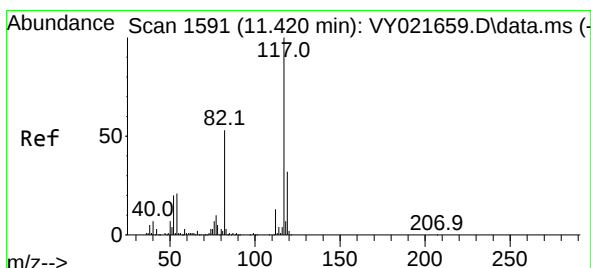
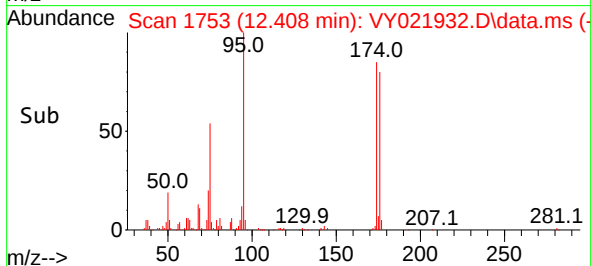
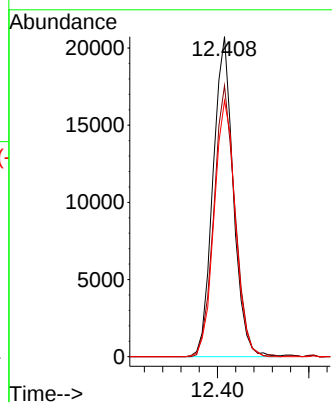
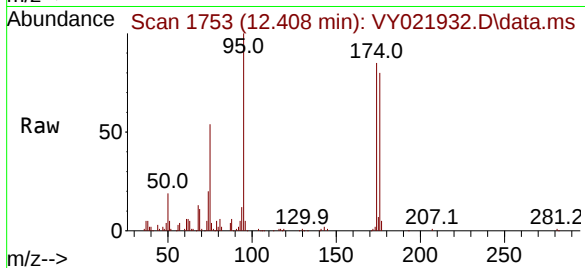




#62
4-Bromofluorobenzene
Concen: 44.856 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

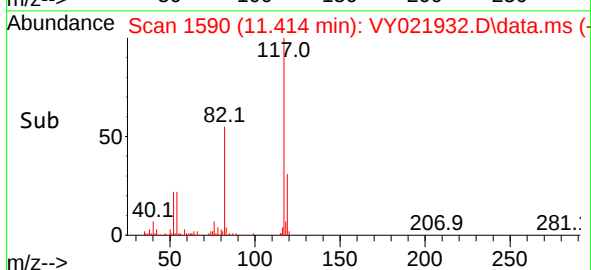
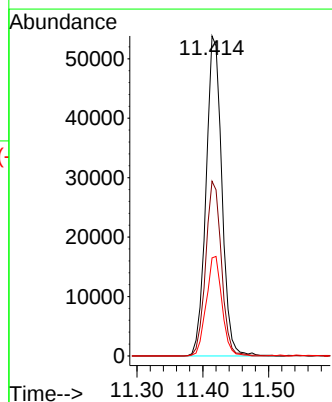
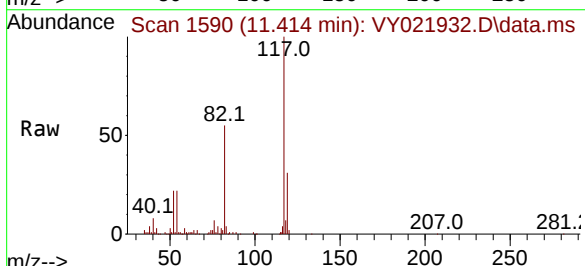
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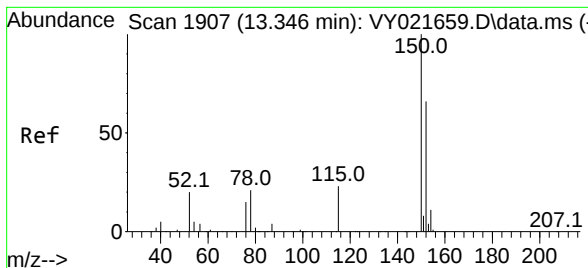
Tgt Ion: 95 Resp: 31936
Ion Ratio Lower Upper
95 100
174 88.3 0.0 170.8
176 84.1 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

Tgt Ion: 117 Resp: 90057
Ion Ratio Lower Upper
117 100
82 54.6 42.8 64.2
119 30.7 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: VY021932.D

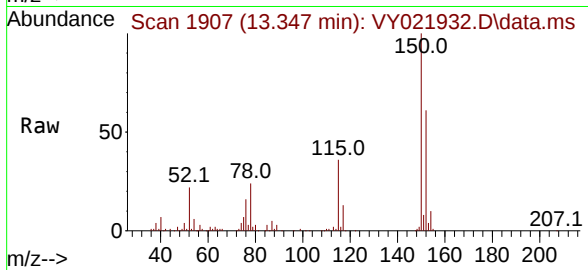
Acq: 18 Apr 2025 15:44

Instrument :

MSVOA_Y

ClientSampleId :

OK-04-04182025



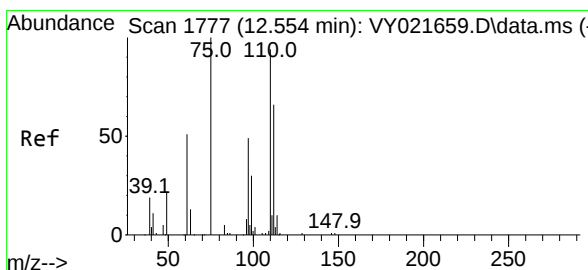
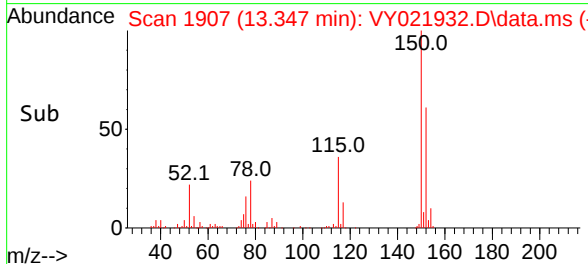
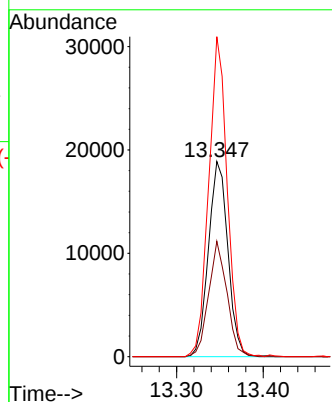
Tgt Ion:152 Resp: 29466

Ion Ratio Lower Upper

152 100

115 55.7 28.8 86.5

150 155.0 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 60.486 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021932.D

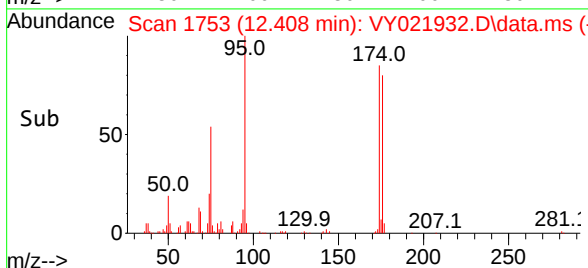
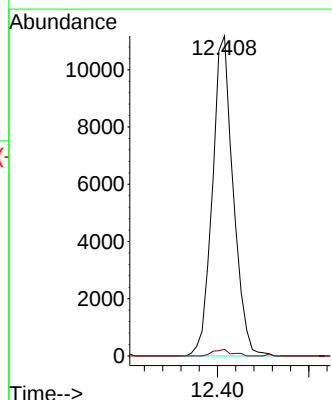
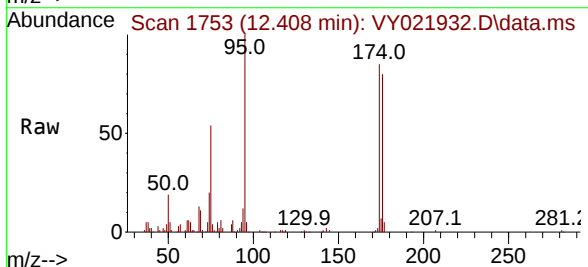
Acq: 18 Apr 2025 15:44

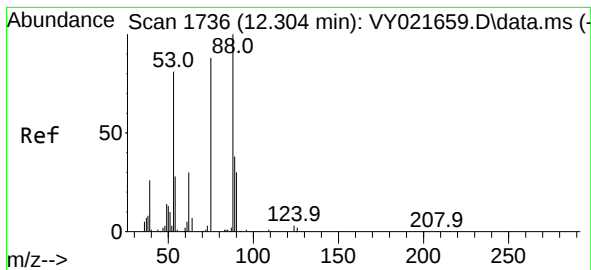
Tgt Ion: 75 Resp: 17667

Ion Ratio Lower Upper

75 100

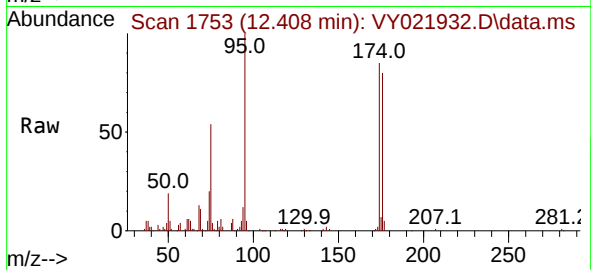
77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.370 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021932.D
 Acq: 18 Apr 2025 15:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-04-04182025



Tgt Ion: 75 Resp: 17667
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.2 36.2 54.4#

