

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031425\
 Data File : VY021535.D
 Acq On : 14 Mar 2025 13:02
 Operator : SY/MD
 Sample : Q1568-01
 Misc : 5.81g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-03-03132025

Quant Time: Mar 15 02:02:23 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)

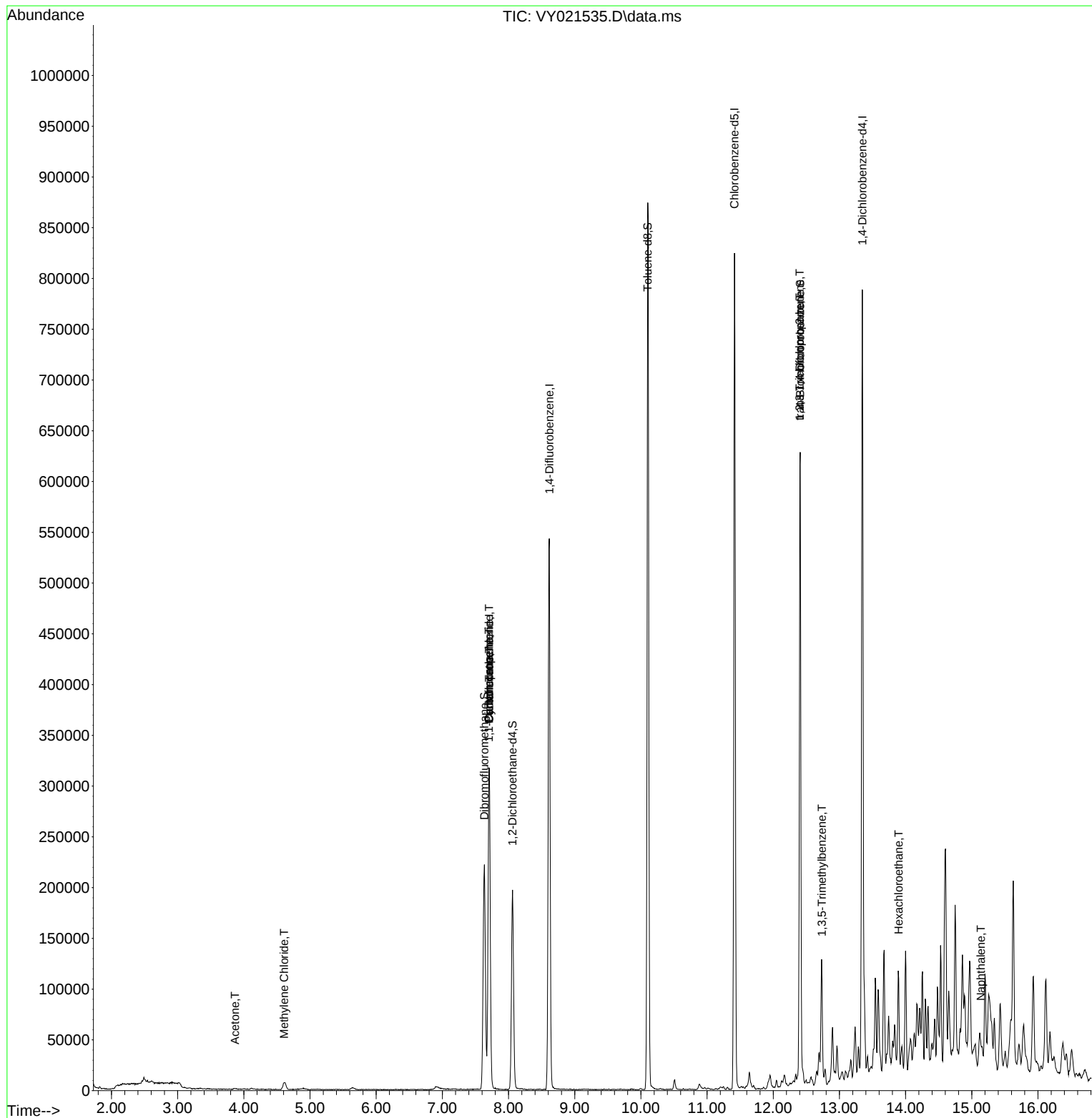
Internal Standards						
1) Pentafluorobenzene	7.707	168	237076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	446505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	412068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	185070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153325	61.189	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.380%	
35) Dibromofluoromethane	7.634	113	154740	52.723	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.440%	
50) Toluene-d8	10.103	98	554771	49.923	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.840%	
62) 4-Bromofluorobenzene	12.407	95	186228	49.266	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.540%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.866	59	73	Below Cal	#	54
16) Acetone	3.866	43	1397	2.556	ug/l #	67
20) Methylene Chloride	4.610	84	5052	1.761	ug/l	97
31) Cyclohexane	7.707	56	6158	1.312	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	21002	4.572	ug/l #	49
38) Carbon Tetrachloride	7.707	117	24520	4.641	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	100069	53.659	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	18499	1.561	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.401	75	100069	121.983	ug/l #	9
90) Hexachloroethane	13.895	117	4328	1.566	ug/l #	12
95) Naphthalene	15.139	128	3860	2.218	ug/l #	84

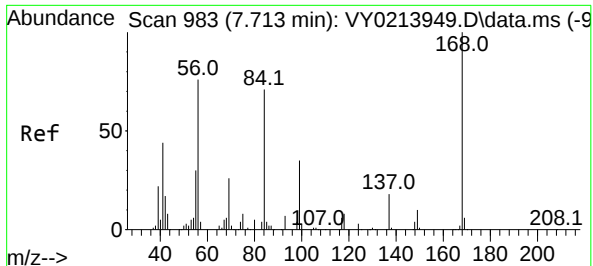
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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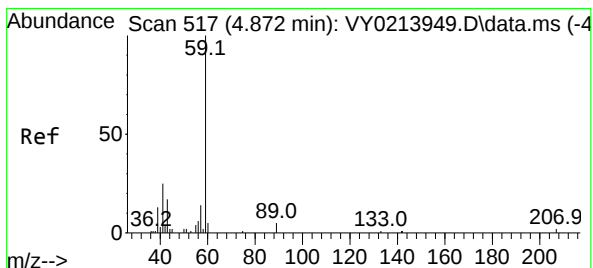
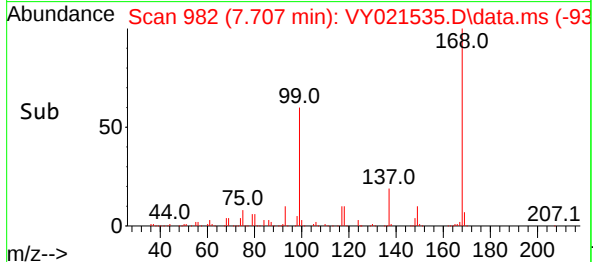
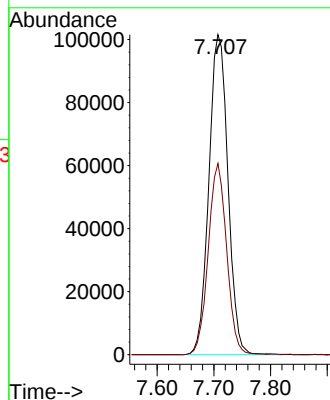
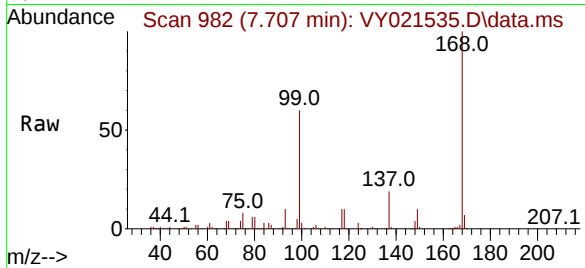




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

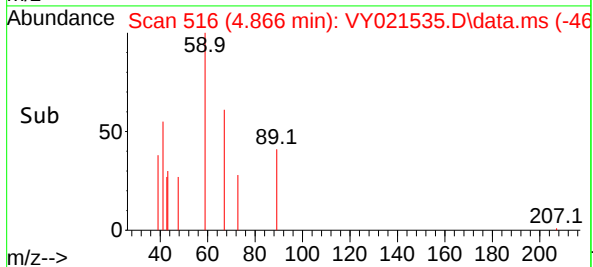
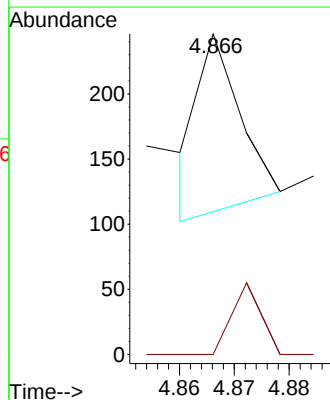
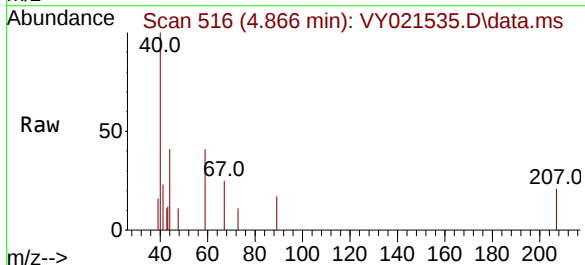
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-03132025

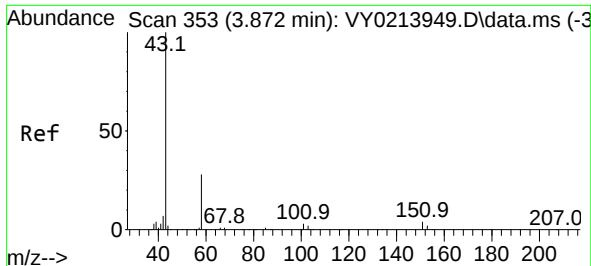
Tgt Ion:168 Resp: 237076
Ion Ratio Lower Upper
168 100
99 59.8 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 27.4 8.2 12.4#

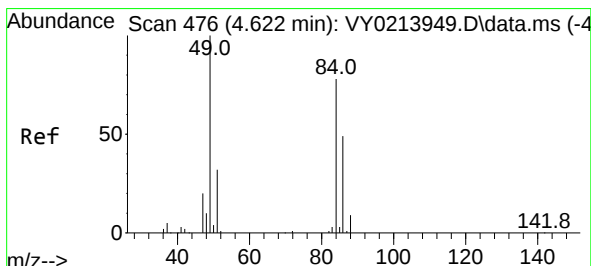
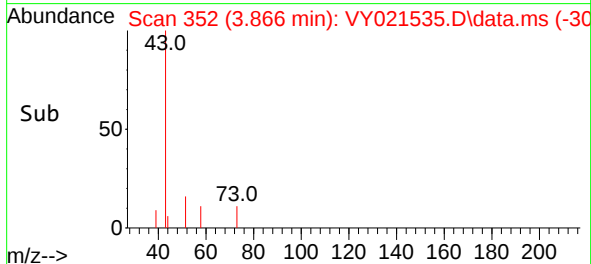
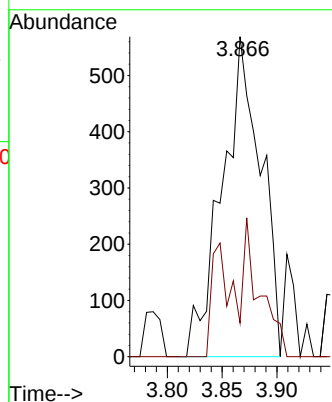
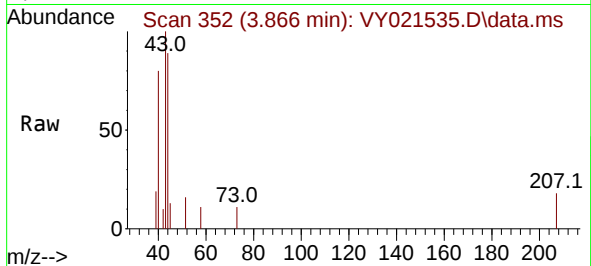




#16
Acetone
Concen: 2.556 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

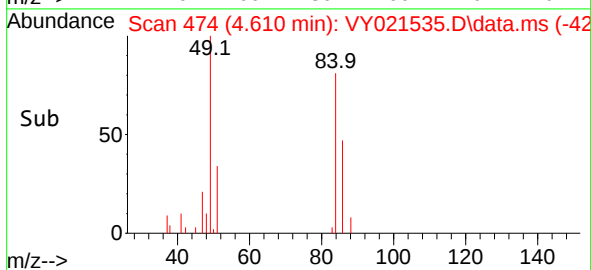
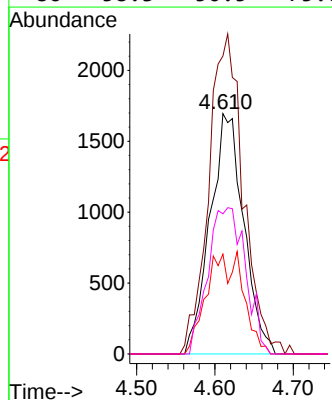
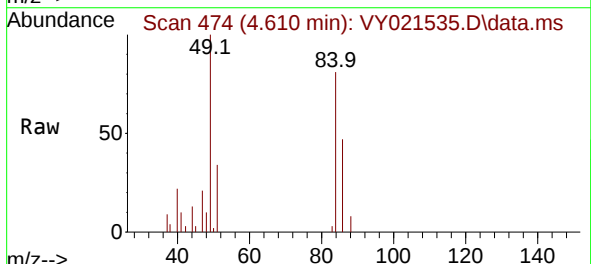
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-03132025

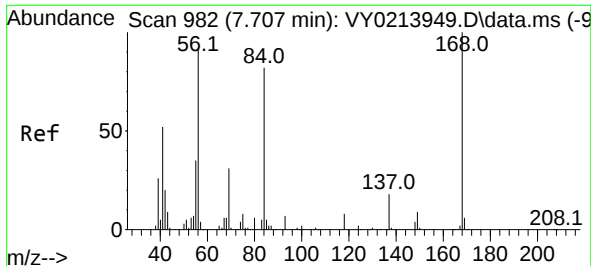
Tgt Ion: 43 Resp: 1397
Ion Ratio Lower Upper
43 100
58 10.5 22.1 33.1#



#20
Methylene Chloride
Concen: 1.761 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

Tgt Ion: 84 Resp: 5052
Ion Ratio Lower Upper
84 100
49 124.0 102.0 153.0
51 41.5 33.0 49.6
86 58.3 50.5 75.7

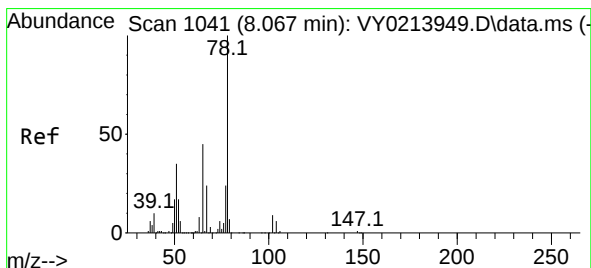
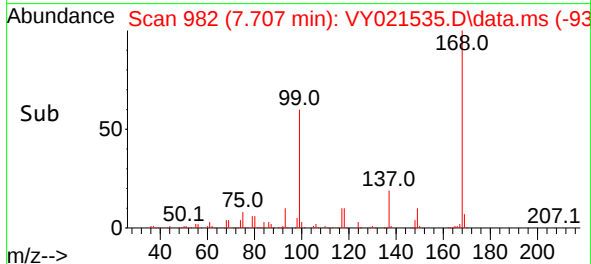
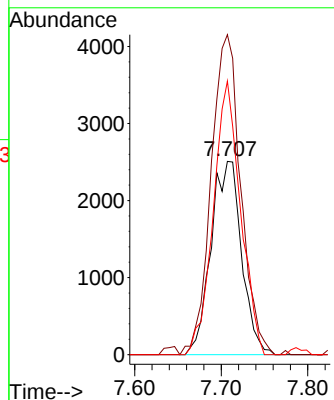
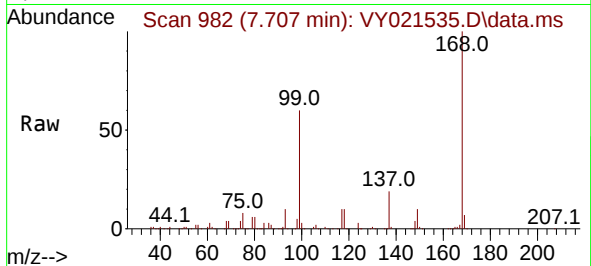




#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

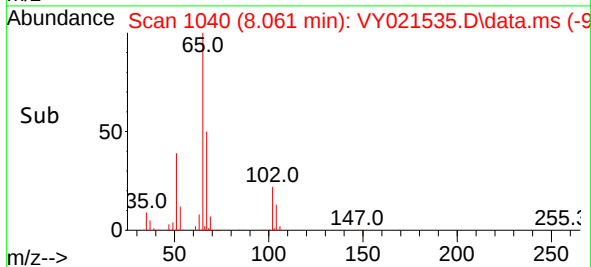
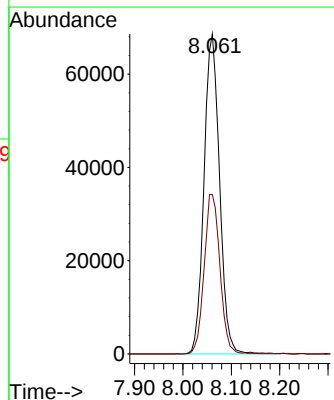
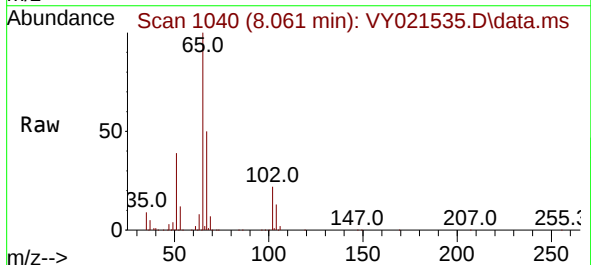
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-03132025

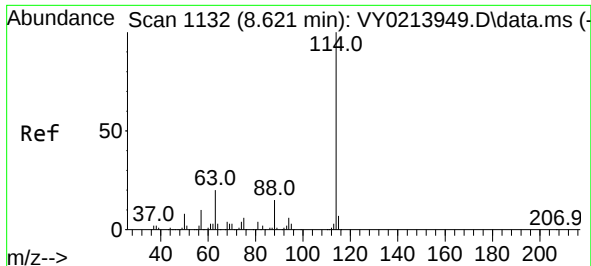
Tgt Ion: 56 Resp: 6158
Ion Ratio Lower Upper
56 100
69 165.5 27.0 40.4#
84 141.5 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 61.189 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

Tgt Ion: 65 Resp: 153325
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.8

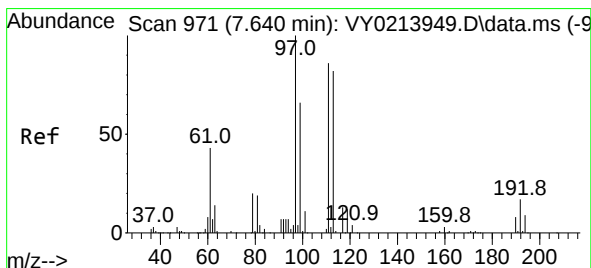
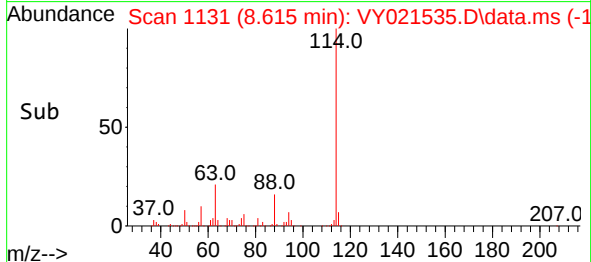
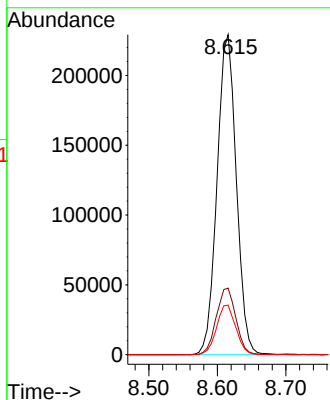
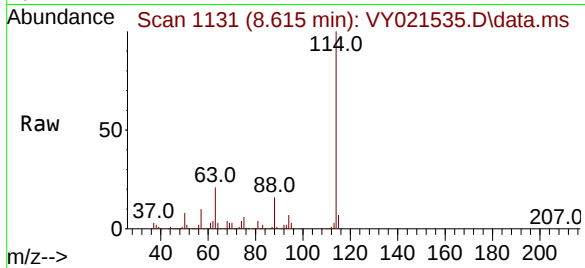




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

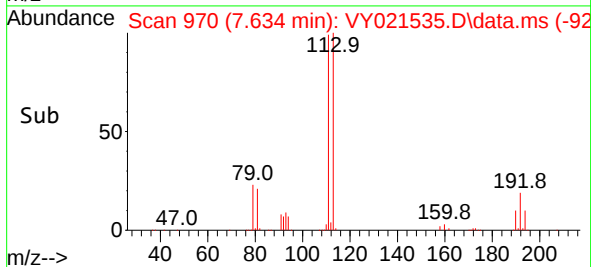
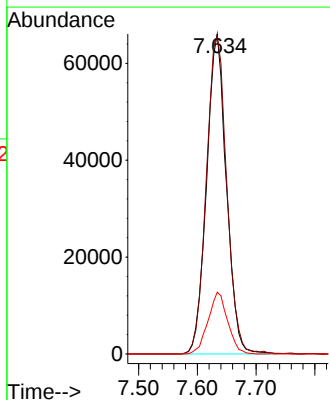
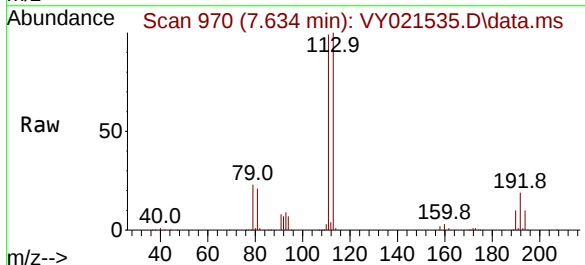
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-03132025

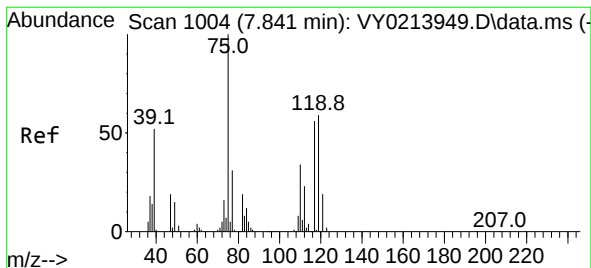
Tgt Ion:114 Resp: 446505
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 15.5 0.0 30.8



#35
Dibromofluoromethane
Concen: 52.723 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

Tgt Ion:113 Resp: 154740
Ion Ratio Lower Upper
113 100
111 102.7 82.0 123.0
192 19.1 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.572 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY021535.D

Acq: 14 Mar 2025 13:02

Instrument :

MSVOA_Y

ClientSampleId :

JC-03-03132025

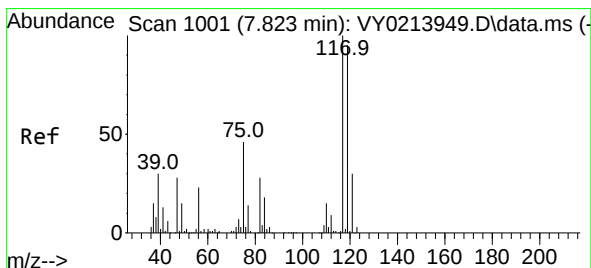
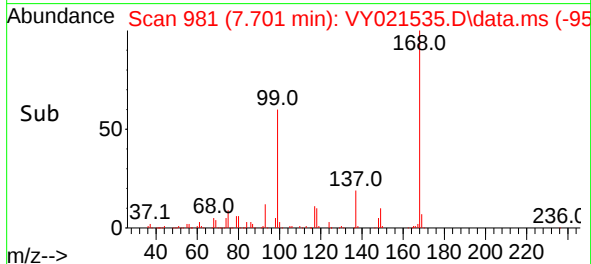
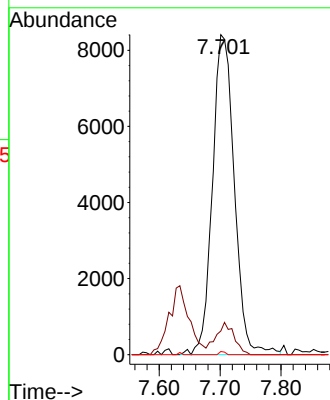
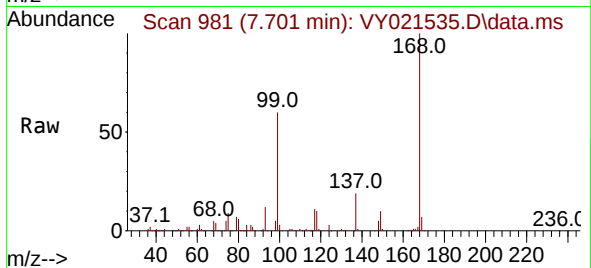
Tgt Ion: 75 Resp: 21002

Ion Ratio Lower Upper

75 100

110 8.3 17.3 51.7#

77 0.3 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 4.641 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021535.D

Acq: 14 Mar 2025 13:02

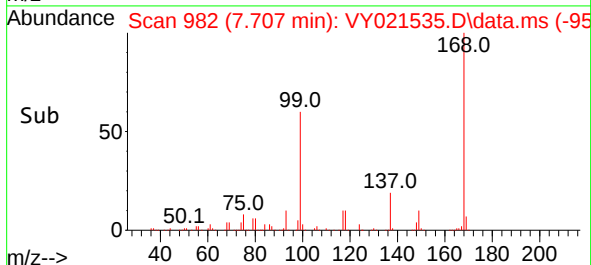
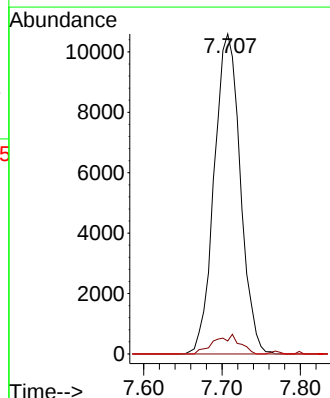
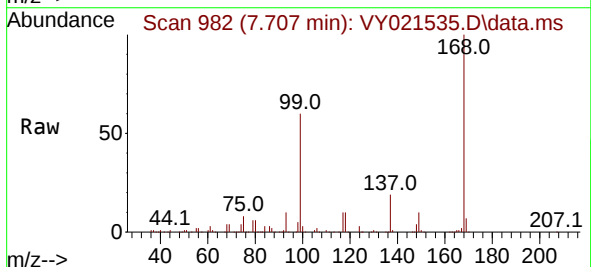
Tgt Ion: 117 Resp: 24520

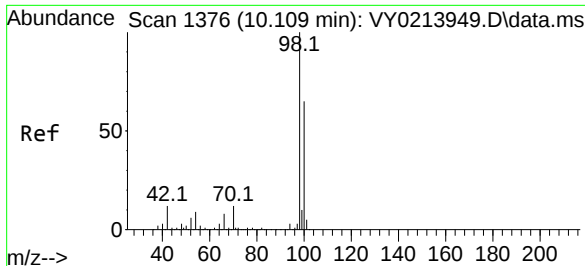
Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.8#

121 0.0 23.9 35.9#

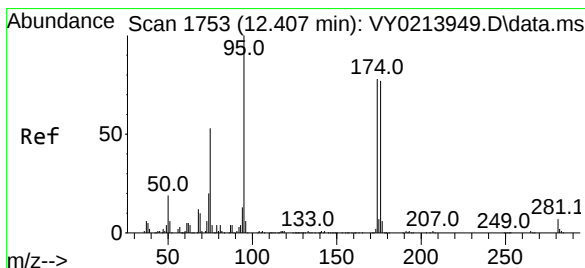
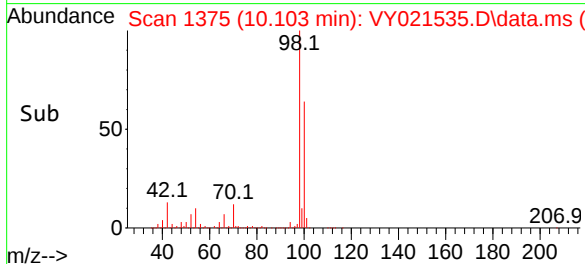
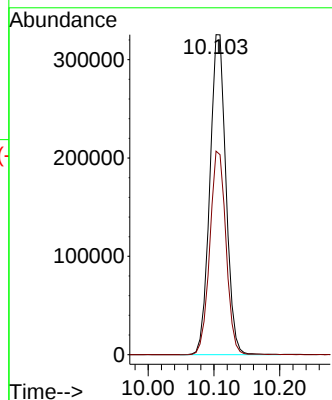
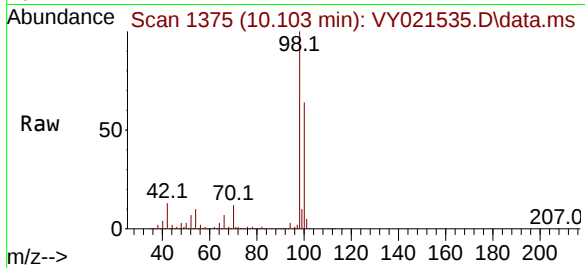




#50
Toluene-d8
Concen: 49.923 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

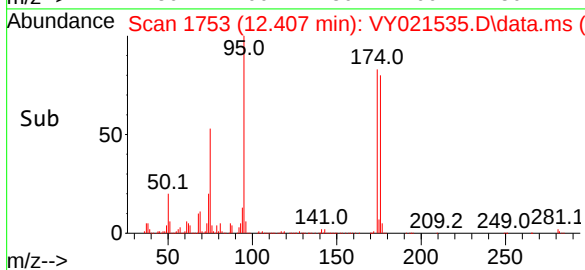
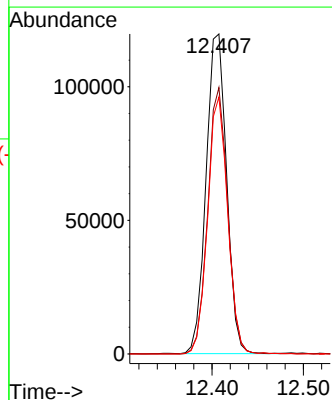
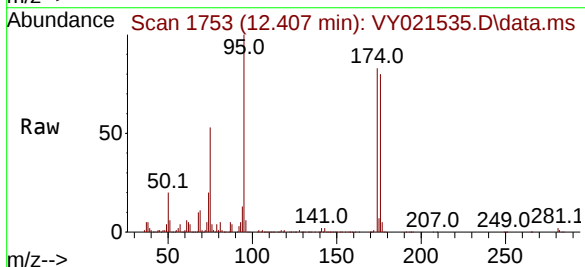
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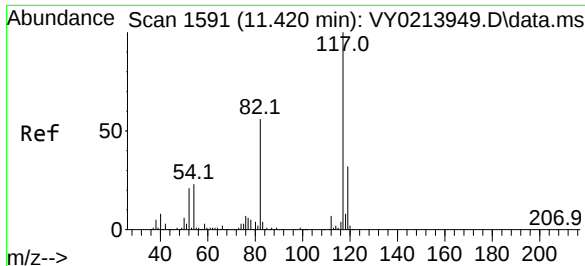
Tgt Ion: 98 Resp: 554771
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 49.266 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

Tgt Ion: 95 Resp: 186228
Ion Ratio Lower Upper
95 100
174 81.0 0.0 165.0
176 78.4 0.0 160.0

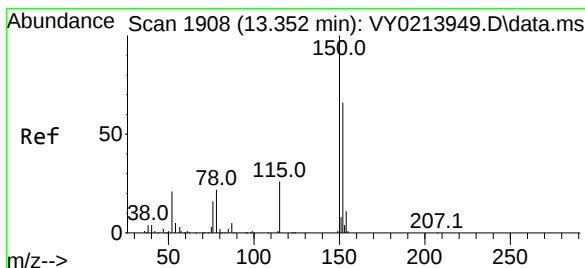
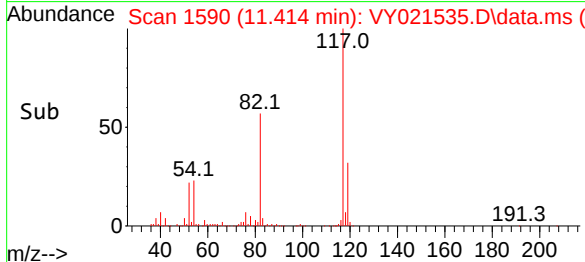
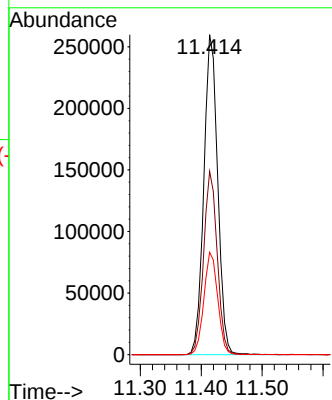
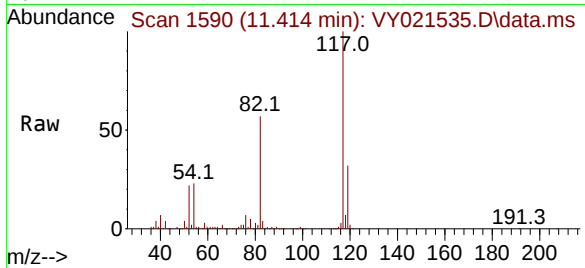




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

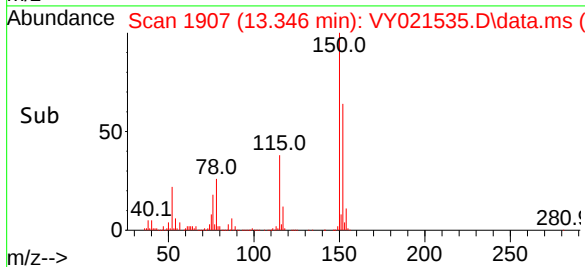
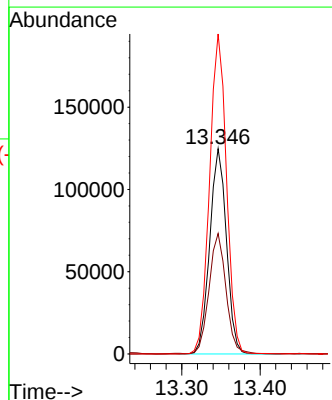
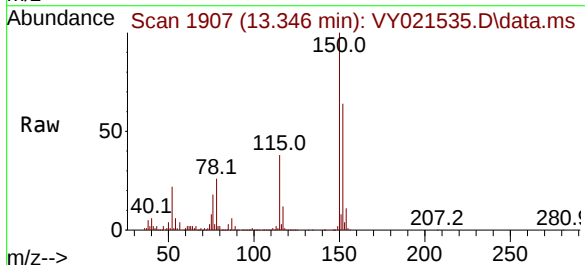
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-03132025

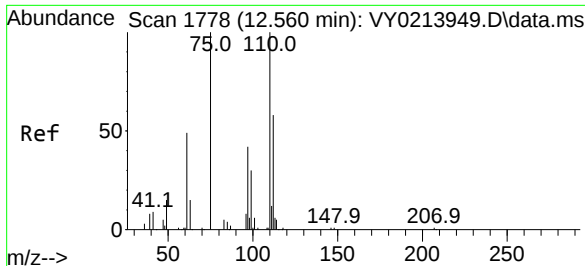
Tgt Ion:117 Resp: 412068
Ion Ratio Lower Upper
117 100
82 57.3 44.6 67.0
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

Tgt Ion:152 Resp: 185070
Ion Ratio Lower Upper
152 100
115 59.4 29.0 87.0
150 157.6 0.0 347.2

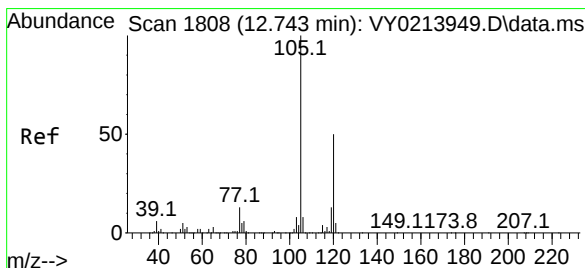
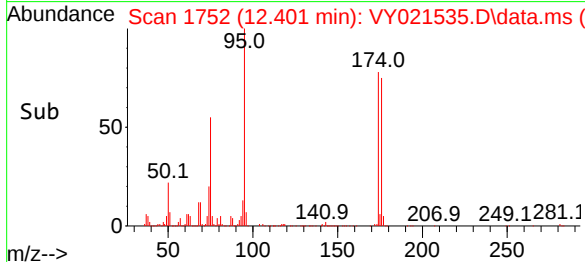
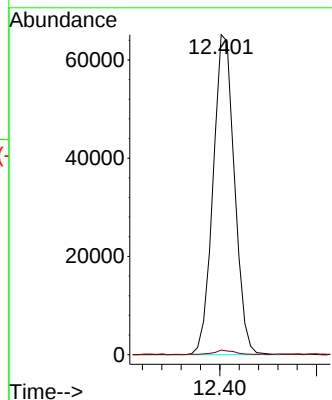
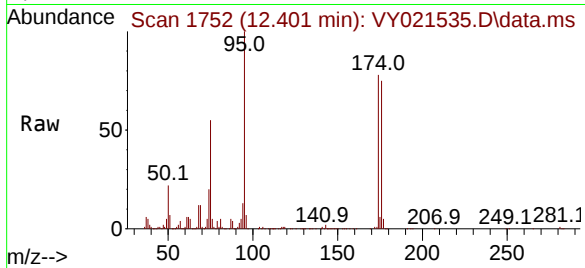




#76
1,2,3-Trichloropropane
Concen: 53.659 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.158 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

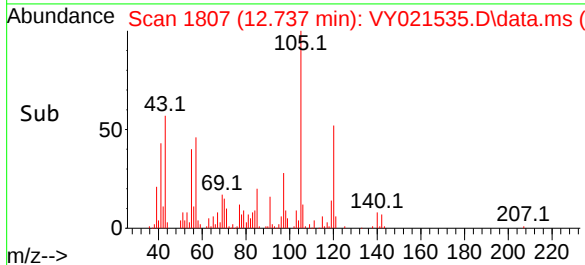
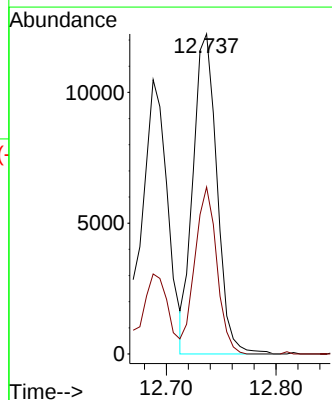
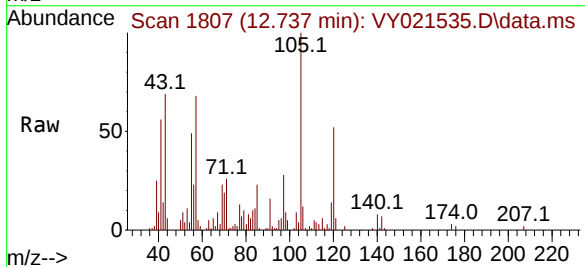
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-03132025

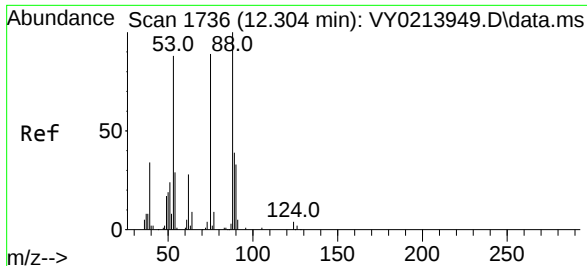
Tgt Ion: 75 Resp: 100069
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.561 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

Tgt Ion: 105 Resp: 18499
Ion Ratio Lower Upper
105 100
120 48.1 24.6 73.6

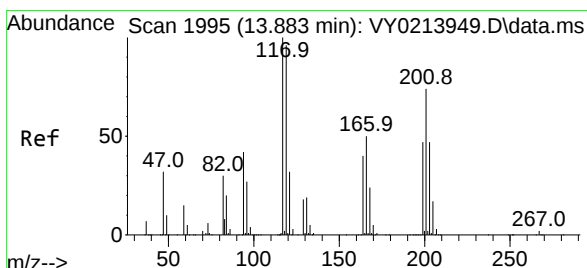
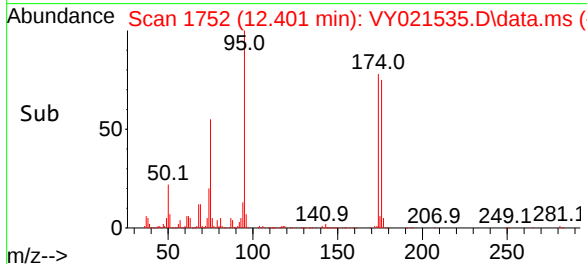
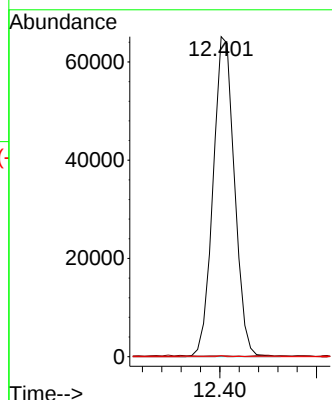
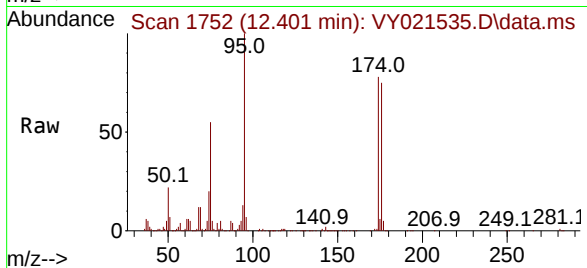




#81
trans-1,4-Dichloro-2-butene
Concen: 121.983 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

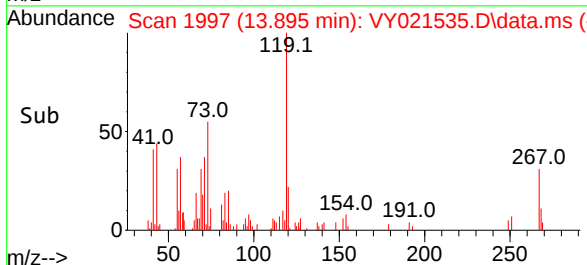
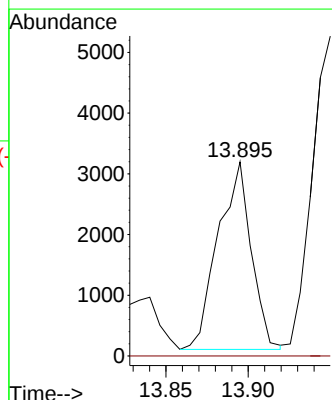
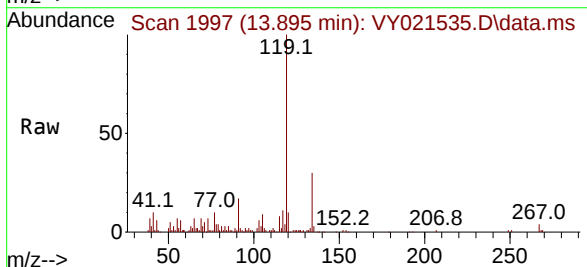
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-03132025

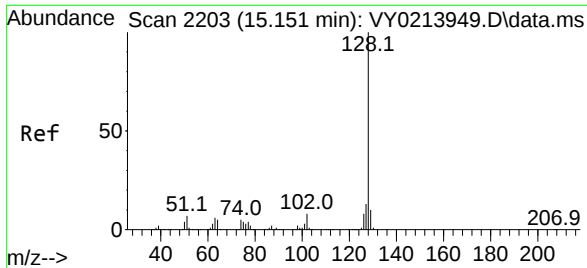
Tgt Ion: 75 Resp: 100069
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.1 36.9 55.3#



#90
Hexachloroethane
Concen: 1.566 ug/l
RT: 13.895 min Scan# 1997
Delta R.T. 0.012 min
Lab File: VY021535.D
Acq: 14 Mar 2025 13:02

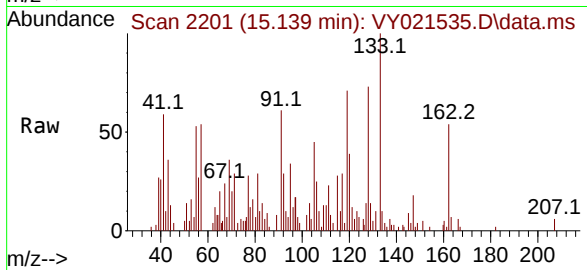
Tgt Ion: 117 Resp: 4328
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#





#95
 Naphthalene
 Concen: 2.218 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VY021535.D
 Acq: 14 Mar 2025 13:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-03-03132025



Tgt Ion:128 Resp: 3860
 Ion Ratio Lower Upper
 128 100
 127 10.9 10.6 15.8
 129 0.0 8.6 13.0#

