

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021482.D
 Acq On : 11 Mar 2025 13:35
 Operator : SY/MD
 Sample : Q1514-01
 Misc : 7.28g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 12 01:24:40 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)

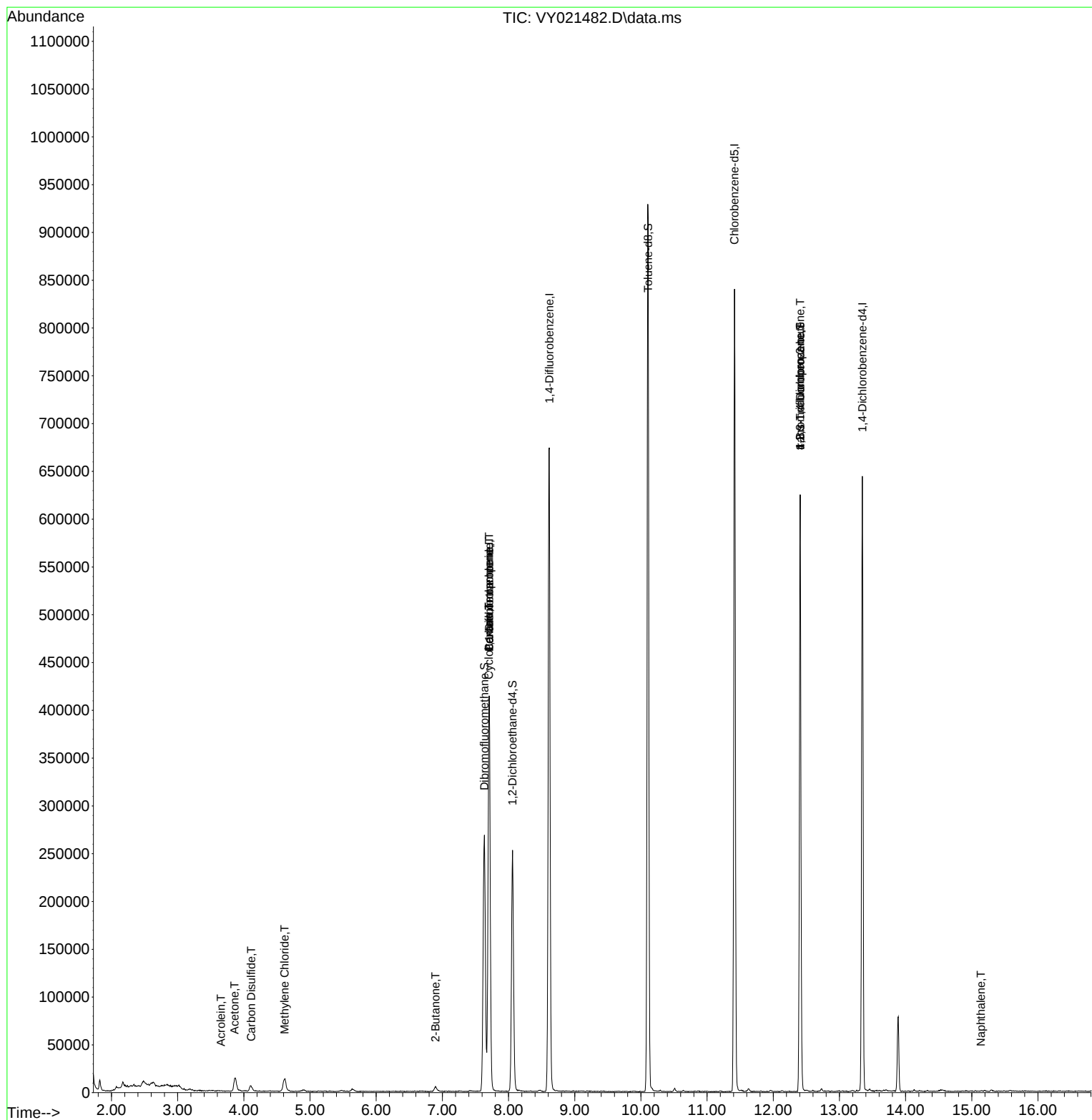
Internal Standards						
1) Pentafluorobenzene	7.707	168	310817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	561377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	429027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	159534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	198337	60.374	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.740%	
35) Dibromofluoromethane	7.634	113	189469	51.346	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.700%	
50) Toluene-d8	10.109	98	597514	42.766	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 85.540%	
62) 4-Bromofluorobenzene	12.408	95	174764	36.773	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 73.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	418	Below Cal	#	72
13) Acrolein	3.653	56	184	1.101	ug/l #	58
16) Acetone	3.860	43	26145	36.489	ug/l	99
17) Carbon Disulfide	4.110	76	10693	1.069	ug/l #	94
20) Methylene Chloride	4.616	84	9590	2.550	ug/l	93
25) 2-Butanone	6.896	43	7341	7.406	ug/l	90
31) Cyclohexane	7.701	56	7257	1.179	ug/l #	21
36) 1,1-Dichloropropene	7.707	75	26212	4.538	ug/l #	50
38) Carbon Tetrachloride	7.707	117	32288	4.861	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	95777	59.578	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	95777	135.439	ug/l #	9
95) Naphthalene	15.139	128	752	1.623	ug/l #	92

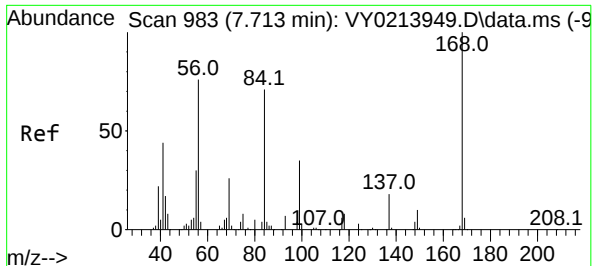
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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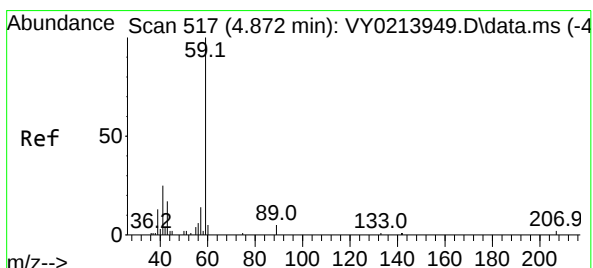
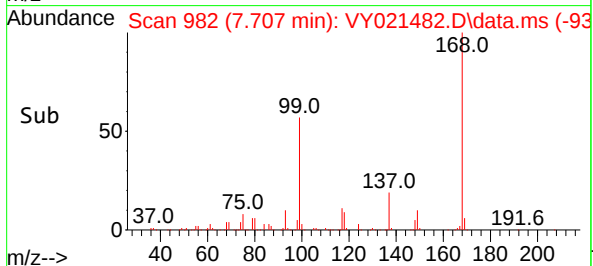
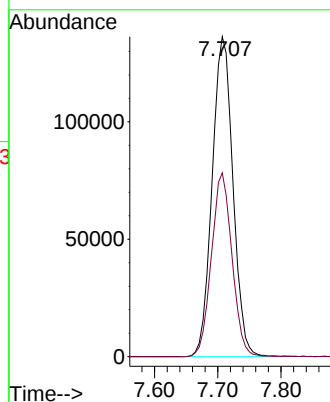
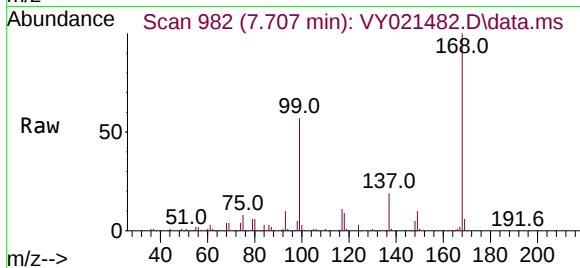




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

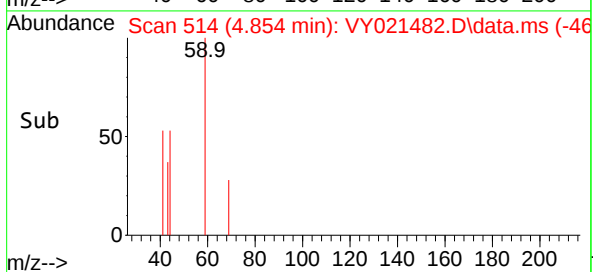
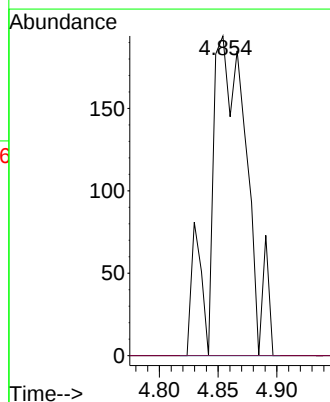
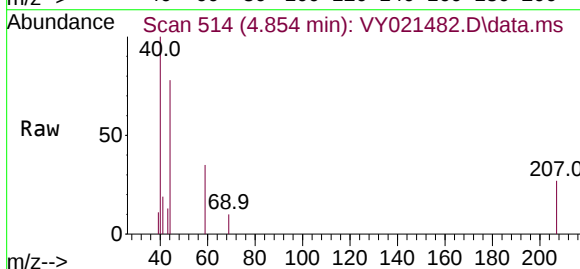
Instrument :
MSVOA_Y
ClientSampleId :

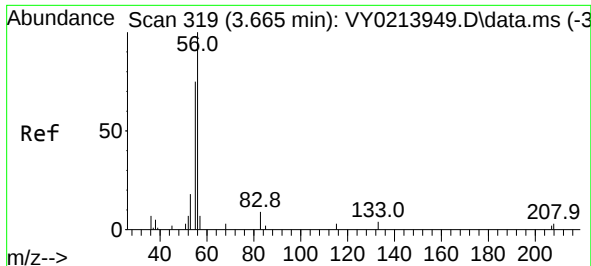
Tgt Ion:168 Resp: 310817
Ion Ratio Lower Upper
168 100
99 57.5 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.854 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Tgt Ion: 59 Resp: 418
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

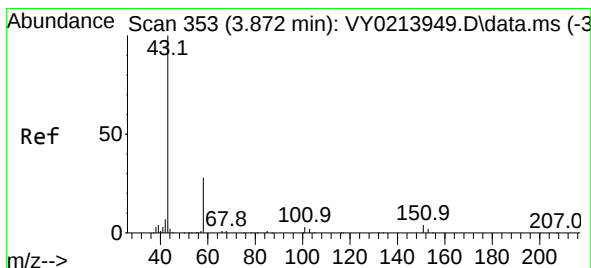
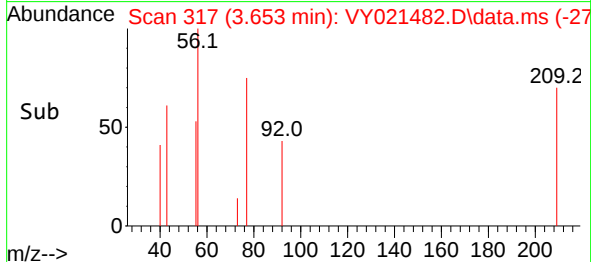
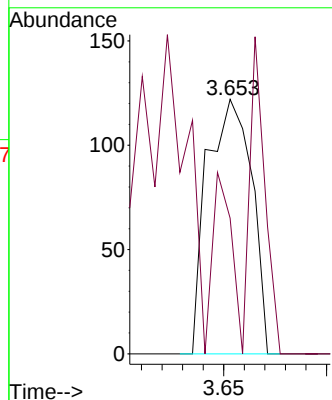
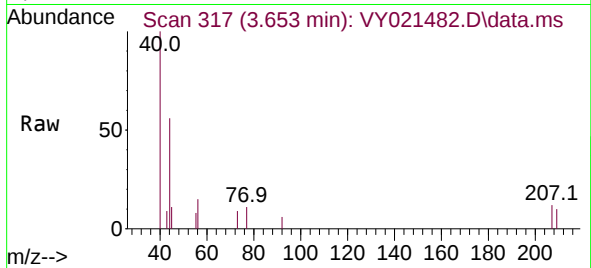




#13
Acrolein
Concen: 1.101 ug/l
RT: 3.653 min Scan# 317
Delta R.T. -0.012 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

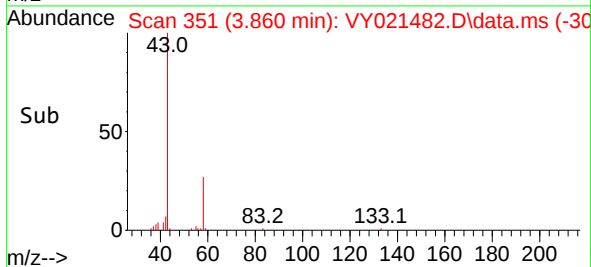
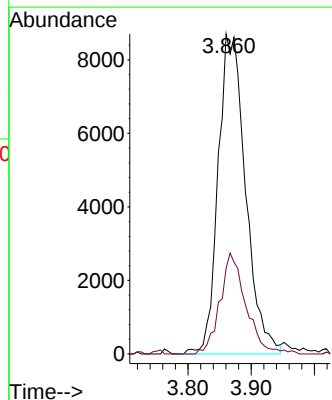
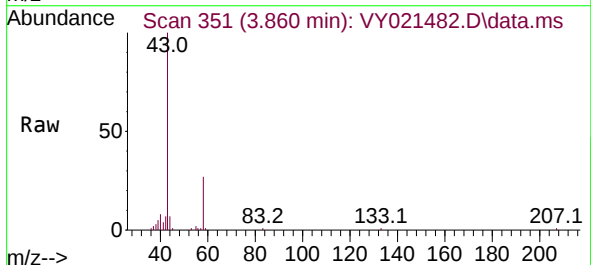
Instrument :
MSVOA_Y
ClientSampleId :

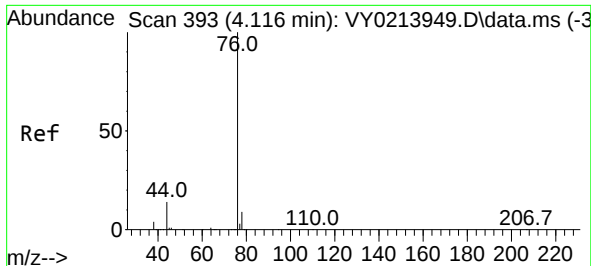
Tgt Ion: 56 Resp: 184
Ion Ratio Lower Upper
56 100
55 42.4 63.4 95.2#



#16
Acetone
Concen: 36.489 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Tgt Ion: 43 Resp: 26145
Ion Ratio Lower Upper
43 100
58 26.8 22.1 33.1

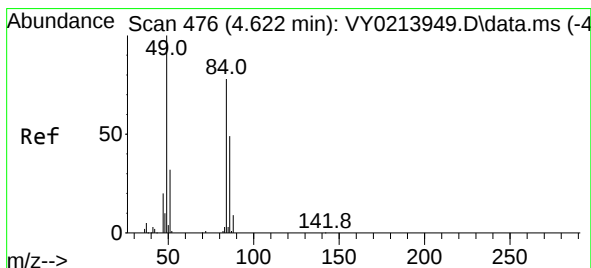
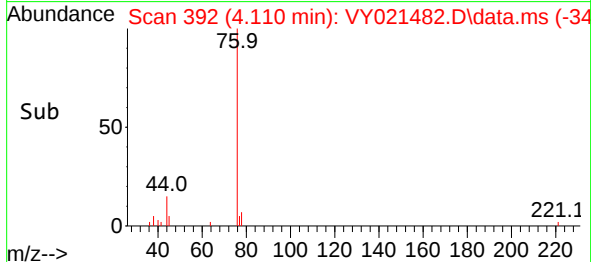
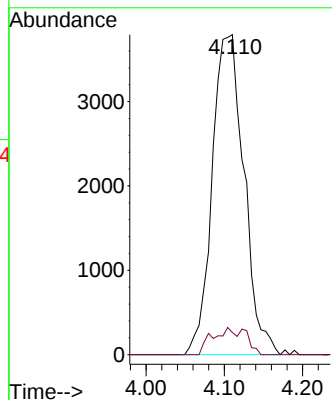
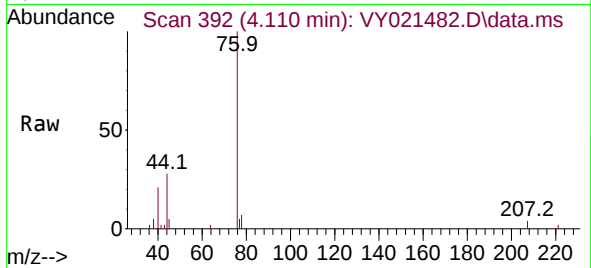




#17
Carbon Disulfide
Concen: 1.069 ug/l
RT: 4.110 min Scan# 393
Delta R.T. -0.006 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

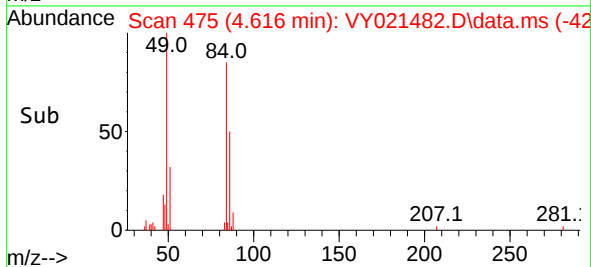
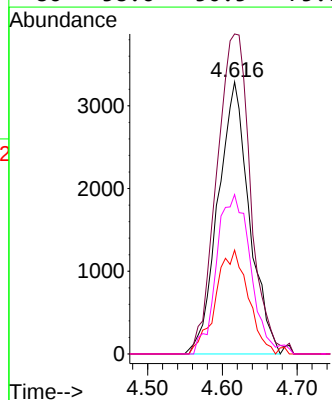
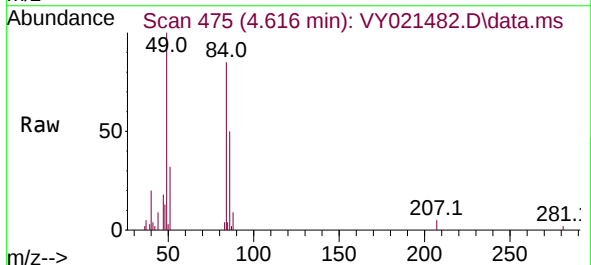
Instrument :
MSVOA_Y
ClientSampleId :

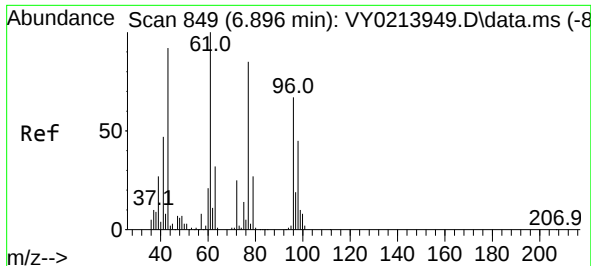
Tgt Ion: 76 Resp: 10693
Ion Ratio Lower Upper
76 100
78 7.0 7.4 11.0#



#20
Methylene Chloride
Concen: 2.550 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Tgt Ion: 84 Resp: 9590
Ion Ratio Lower Upper
84 100
49 117.6 102.0 153.0
51 38.2 33.0 49.6
86 58.6 50.5 75.7





#25

2-Butanone

Concen: 7.406 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

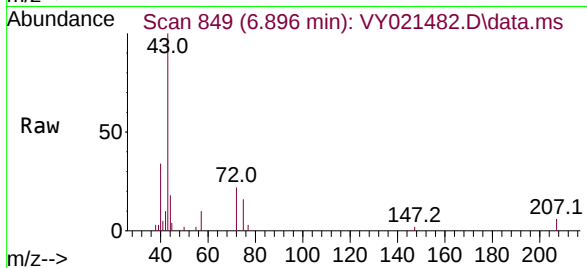
Lab File: VY021482.D

Acq: 11 Mar 2025 13:35

Instrument :

MSVOA_Y

ClientSampleId :

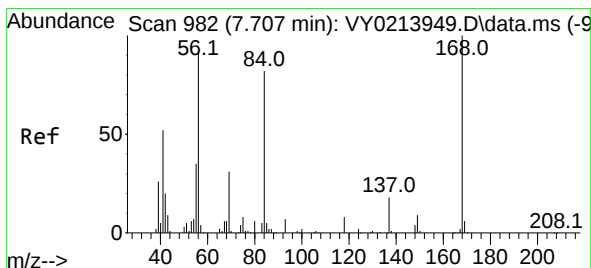
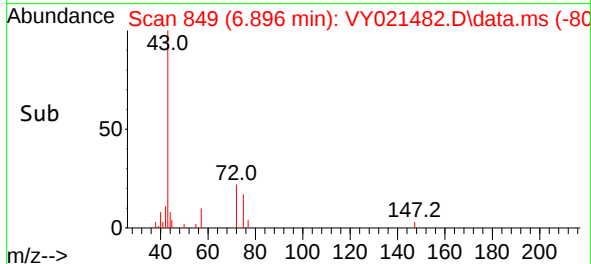
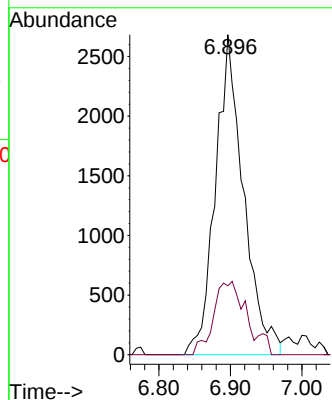


Tgt Ion: 43 Resp: 7341

Ion Ratio Lower Upper

43 100

72 21.5 21.4 32.0



#31

Cyclohexane

Concen: 1.179 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY021482.D

Acq: 11 Mar 2025 13:35

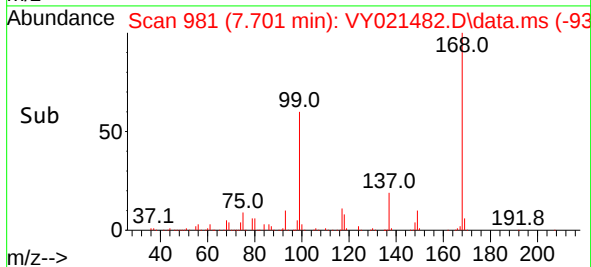
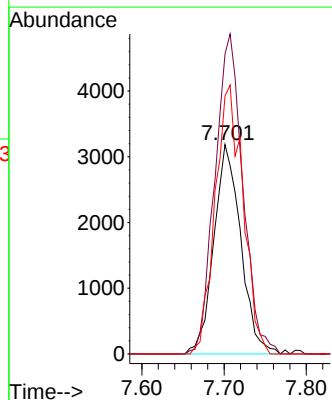
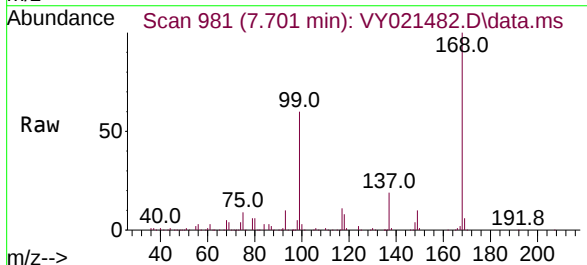
Tgt Ion: 56 Resp: 7257

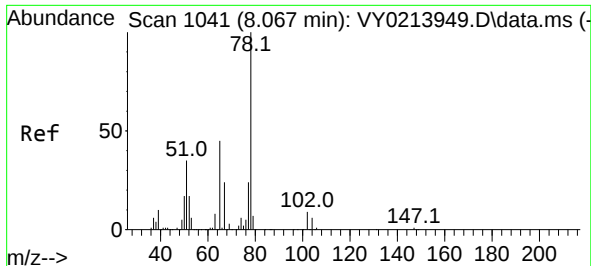
Ion Ratio Lower Upper

56 100

69 143.2 27.0 40.4#

84 123.1 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 60.374 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021482.D

Acq: 11 Mar 2025 13:35

Instrument :

MSVOA_Y

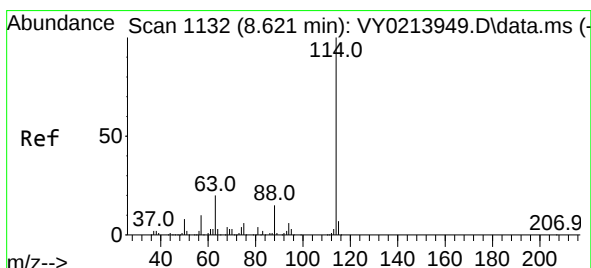
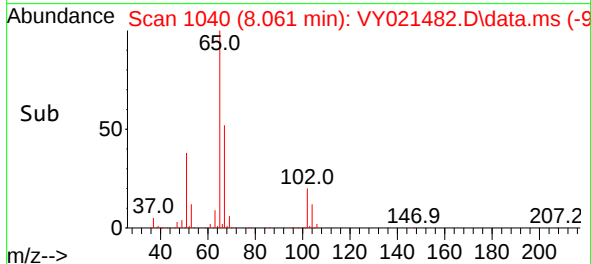
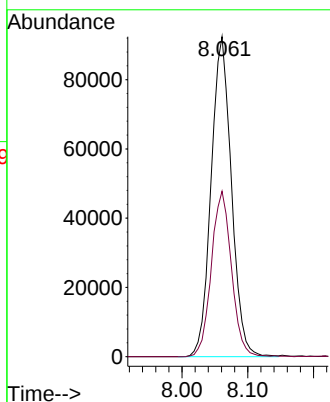
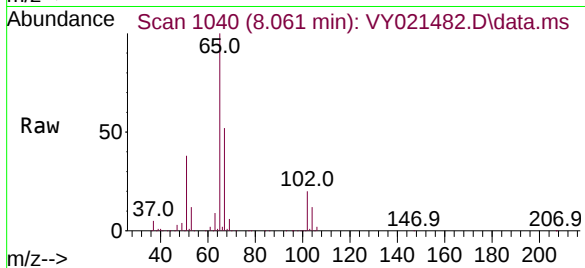
ClientSampleId :

Tgt Ion: 65 Resp: 198337

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021482.D

Acq: 11 Mar 2025 13:35

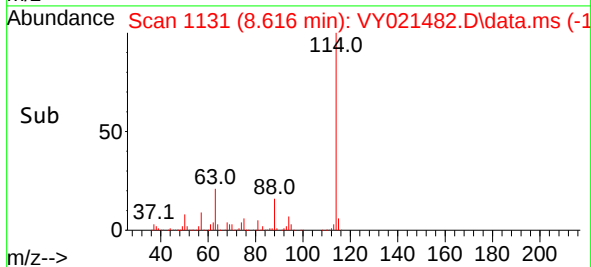
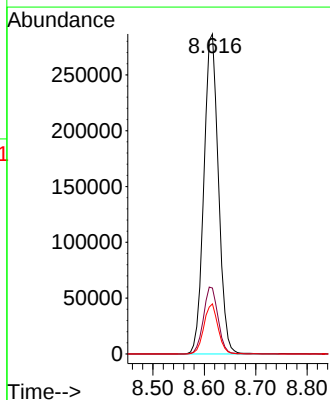
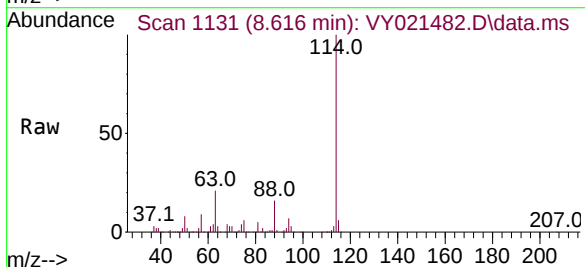
Tgt Ion: 114 Resp: 561377

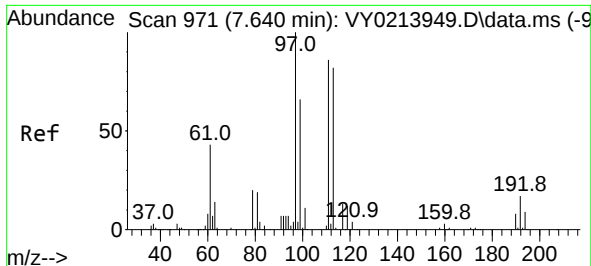
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 51.346 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021482.D

Acq: 11 Mar 2025 13:35

Instrument :

MSVOA_Y

ClientSampleId :

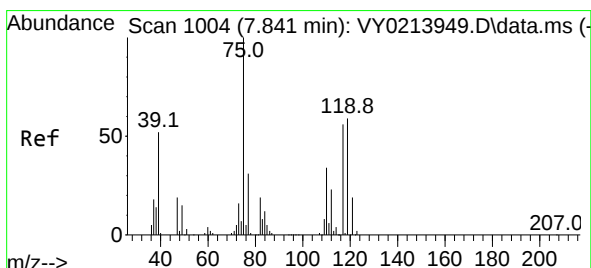
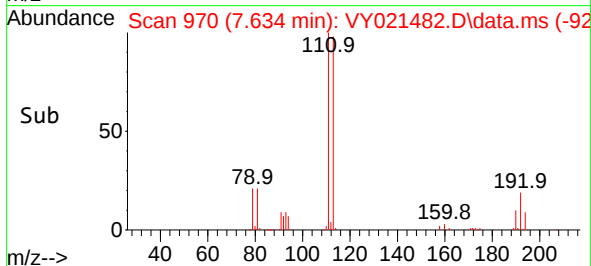
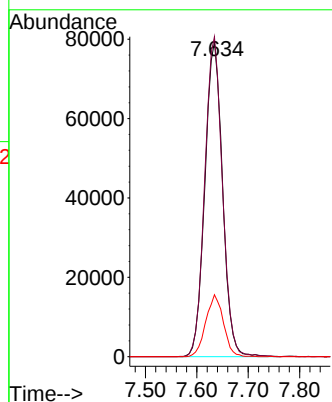
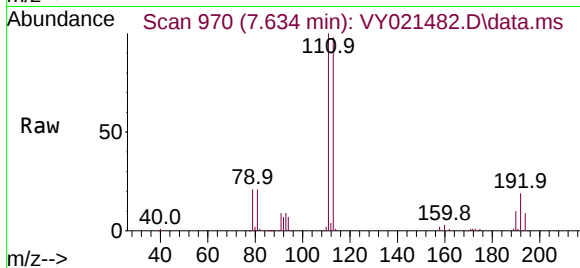
Tgt Ion:113 Resp: 189469

Ion Ratio Lower Upper

113 100

111 101.6 82.0 123.0

192 19.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.538 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021482.D

Acq: 11 Mar 2025 13:35

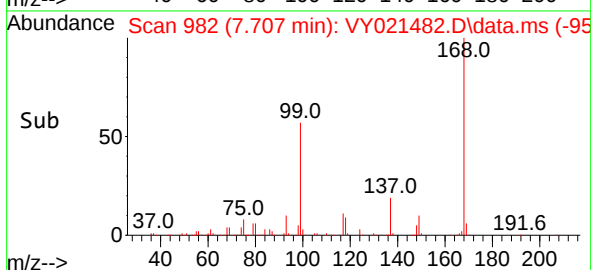
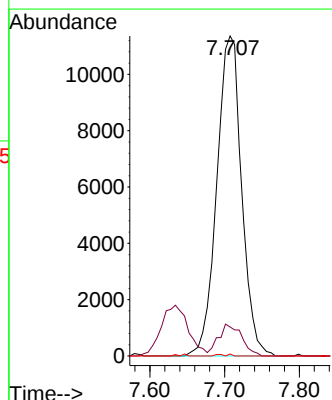
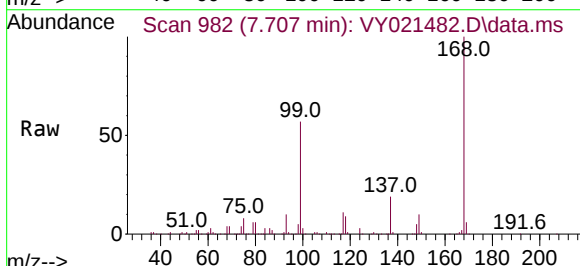
Tgt Ion: 75 Resp: 26212

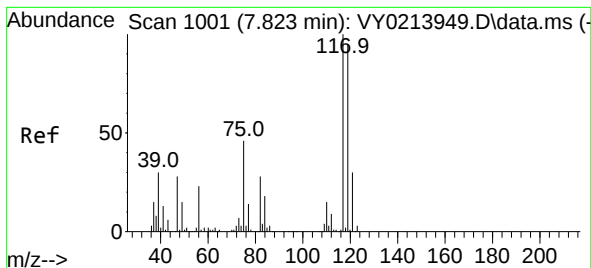
Ion Ratio Lower Upper

75 100

110 9.3 17.3 51.7#

77 0.1 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.861 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY021482.D

Acq: 11 Mar 2025 13:35

Instrument :

MSVOA_Y

ClientSampleId :

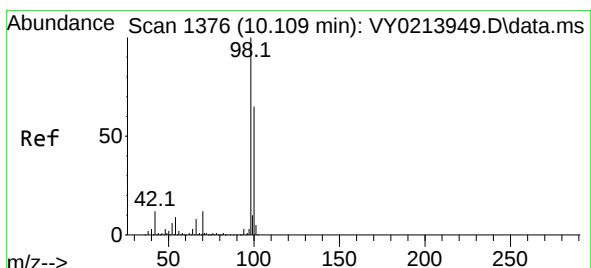
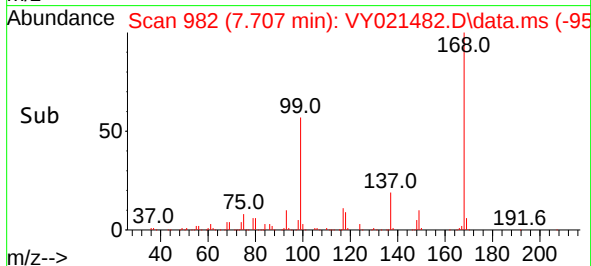
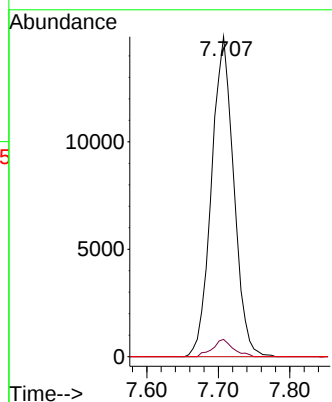
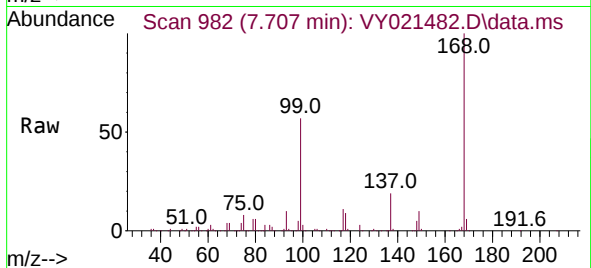
Tgt Ion:117 Resp: 32288

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 42.766 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021482.D

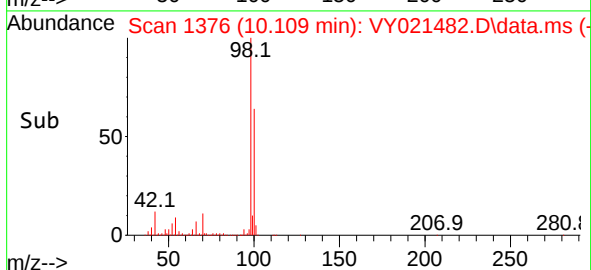
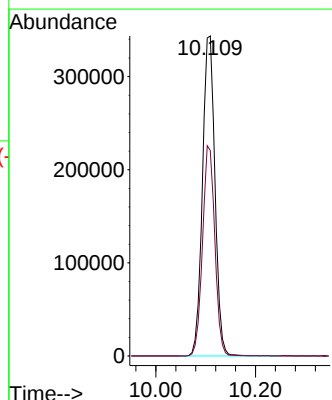
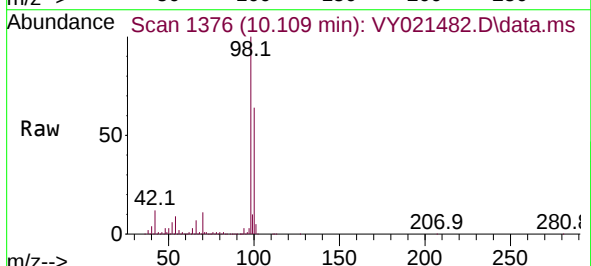
Acq: 11 Mar 2025 13:35

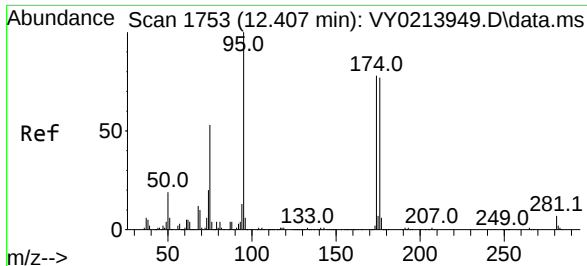
Tgt Ion: 98 Resp: 597514

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1

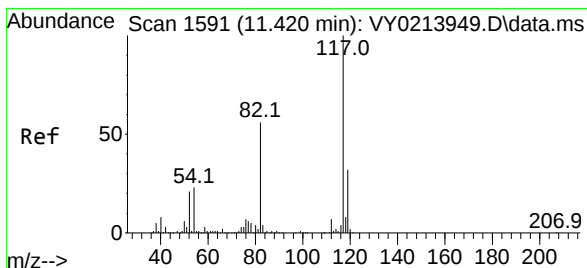
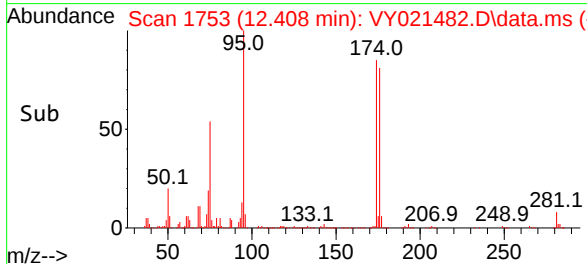
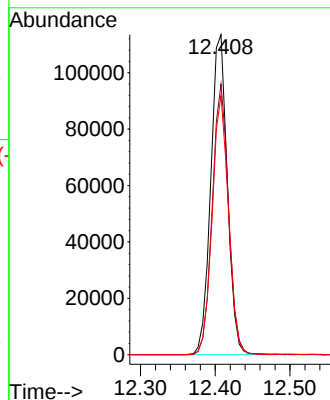
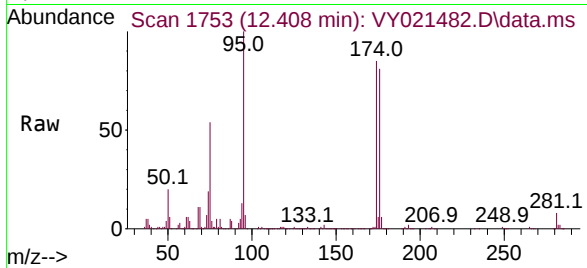




#62
4-Bromofluorobenzene
Concen: 36.773 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

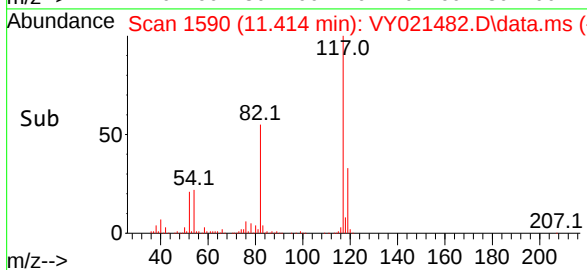
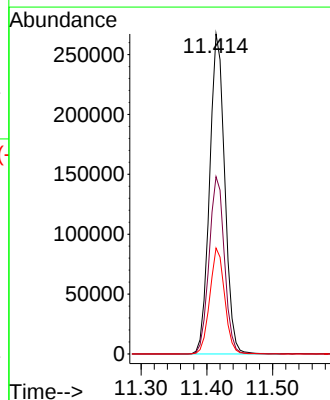
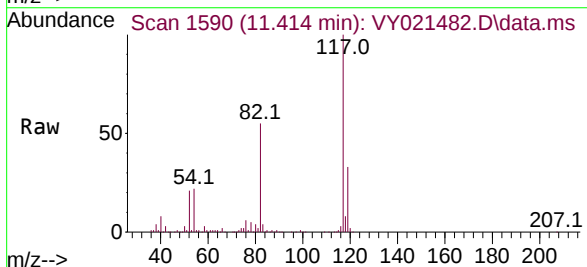
Instrument :
MSVOA_Y
ClientSampleId :

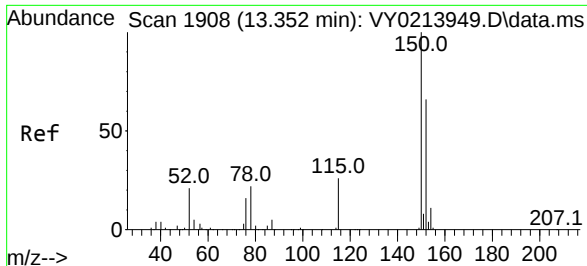
Tgt Ion: 95 Resp: 174764
Ion Ratio Lower Upper
95 100
174 83.1 0.0 165.0
176 79.7 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Tgt Ion: 117 Resp: 429027
Ion Ratio Lower Upper
117 100
82 55.4 44.6 67.0
119 33.1 25.4 38.0

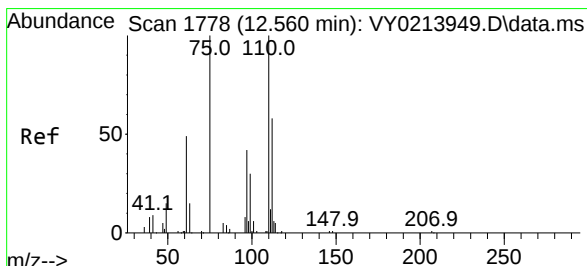
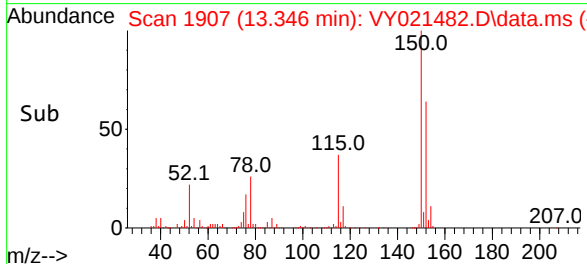
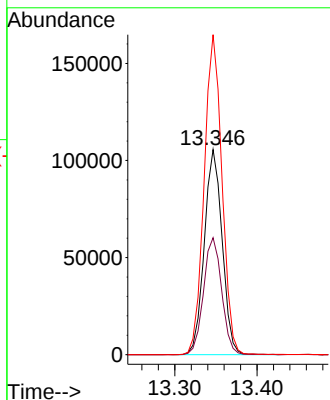
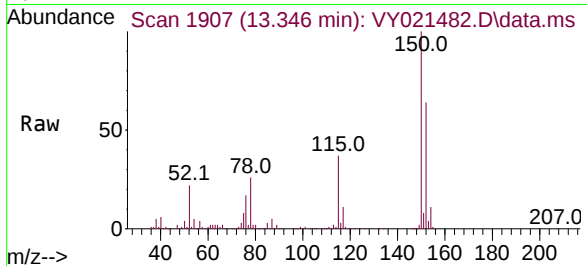




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021482.D
 Acq: 11 Mar 2025 13:35

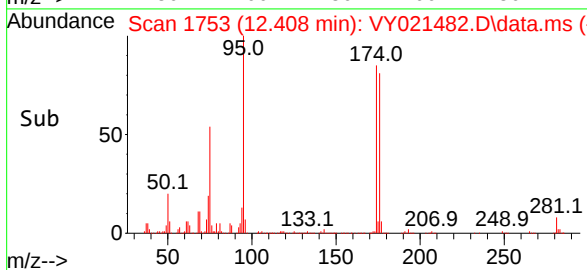
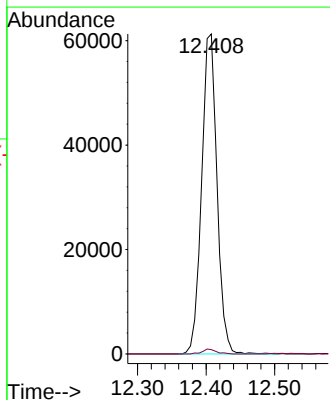
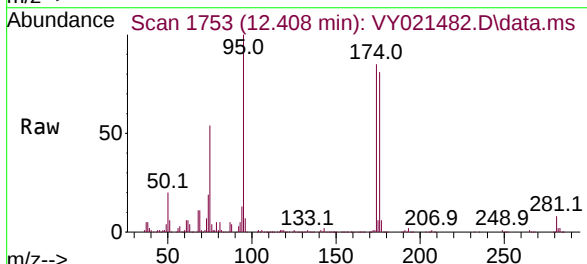
Instrument :
 MSVOA_Y
 ClientSampleId :

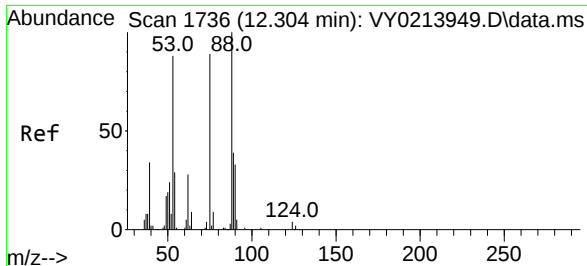
Tgt Ion:152 Resp: 159534
 Ion Ratio Lower Upper
 152 100
 115 57.9 29.0 87.0
 150 155.7 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 59.578 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021482.D
 Acq: 11 Mar 2025 13:35

Tgt Ion: 75 Resp: 95777
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

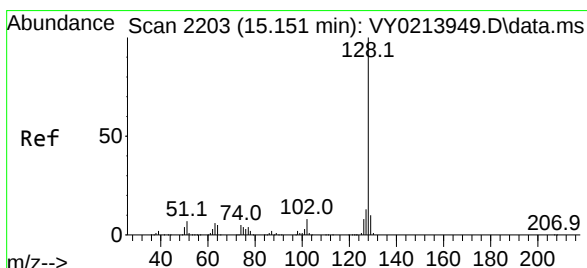
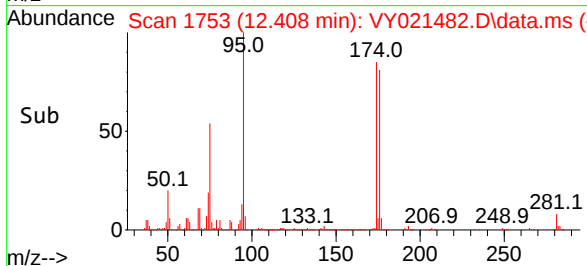
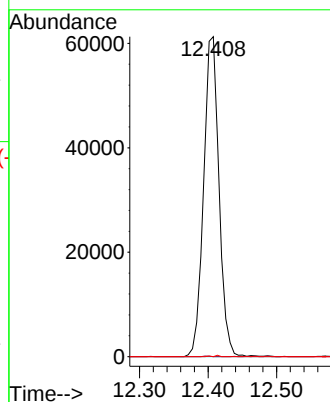
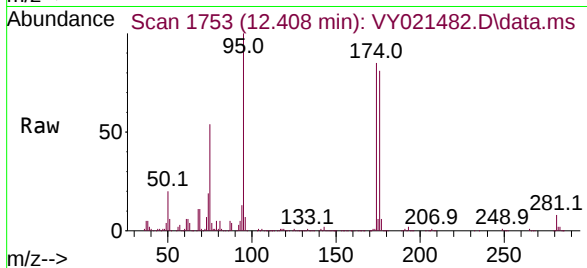




#81
trans-1,4-Dichloro-2-butene
Concen: 135.439 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 95777
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.4#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 1.623 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.012 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Tgt Ion:128 Resp: 752
Ion Ratio Lower Upper
128 100
127 10.9 10.6 15.8
129 6.9 8.6 13.0#

