

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
 Data File : VY021549.D
 Acq On : 17 Mar 2025 14:26
 Operator : SY/MD
 Sample : Q1574-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 01:27:13 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)

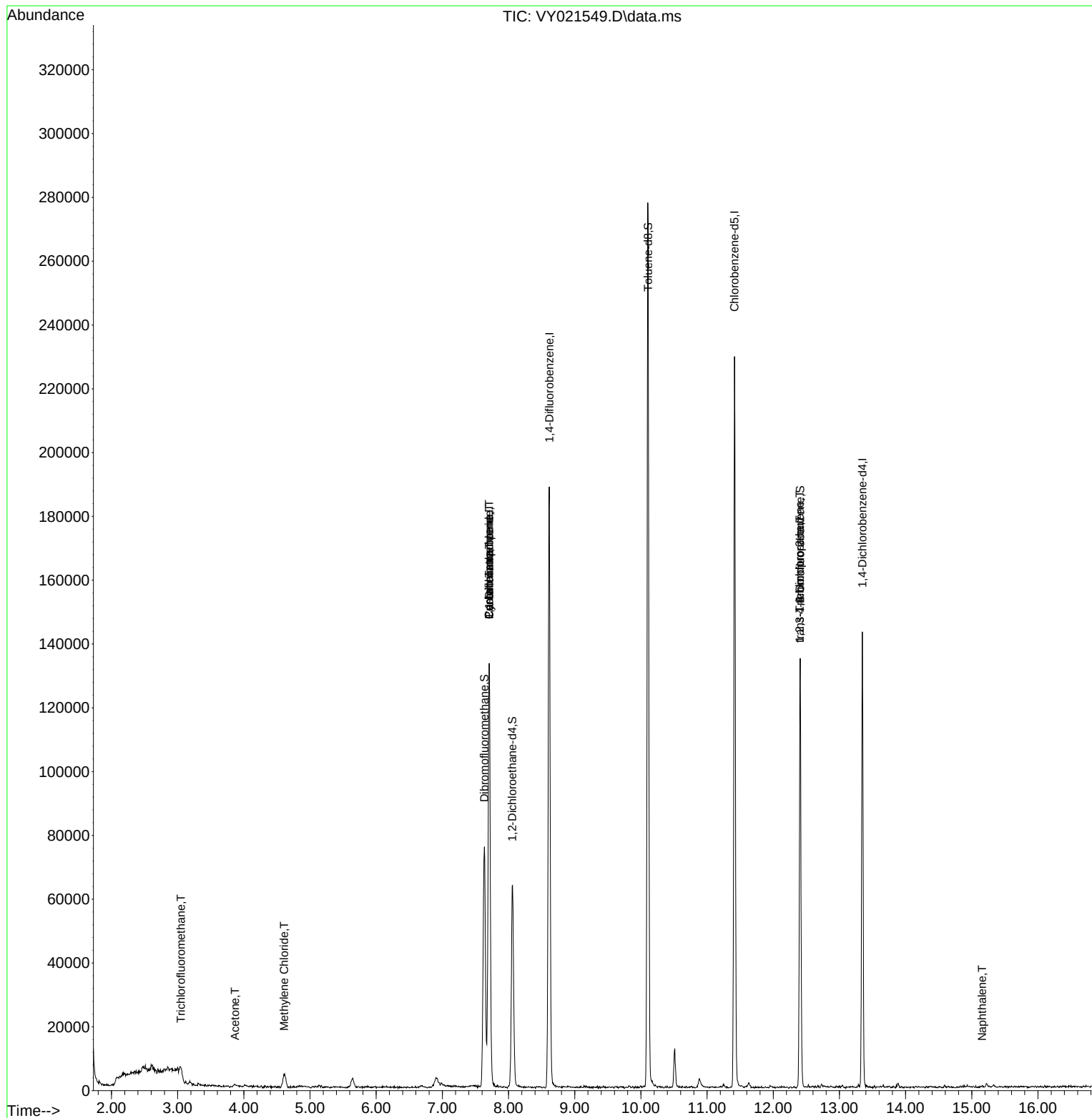
Internal Standards						
1) Pentafluorobenzene	7.707	168	98896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	155221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	116517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	33476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	51252	49.032	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.060%
35) Dibromofluoromethane	7.634	113	54695	53.607	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.220%
50) Toluene-d8	10.109	98	177431	45.929	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.860%
62) 4-Bromofluorobenzene	12.408	95	39595	30.131	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.260%
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.050	101	2375	1.217	ug/l #	80
11) Tert butyl alcohol	4.885	59	73	Below Cal	#	72
16) Acetone	3.867	43	977	4.285	ug/l	98
20) Methylene Chloride	4.610	84	2730	2.281	ug/l #	82
31) Cyclohexane	7.707	56	2635	1.346	ug/l #	30
36) 1,1-Dichloropropene	7.707	75	8503	5.324	ug/l #	51
38) Carbon Tetrachloride	7.707	117	9972	5.429	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	21739	64.444	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	21739	146.501	ug/l #	9
95) Naphthalene	15.157	128	390	1.879	ug/l #	69

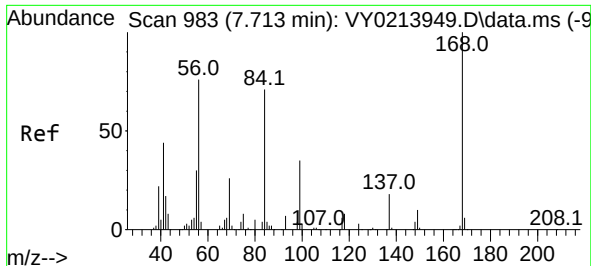
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 18 01:27:13 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

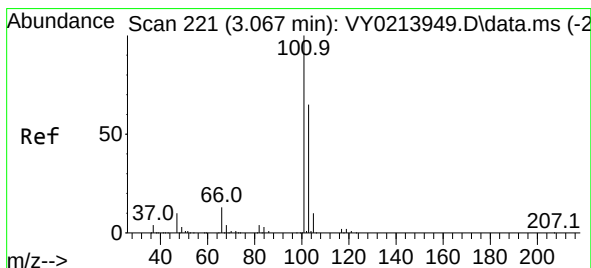
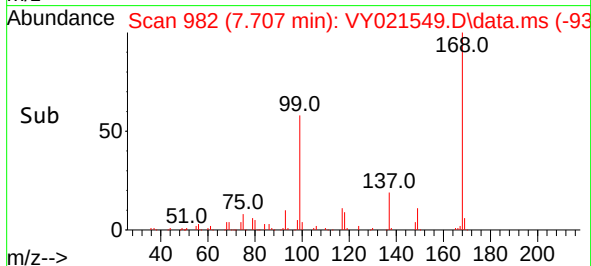
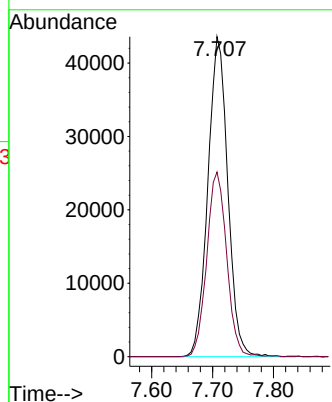
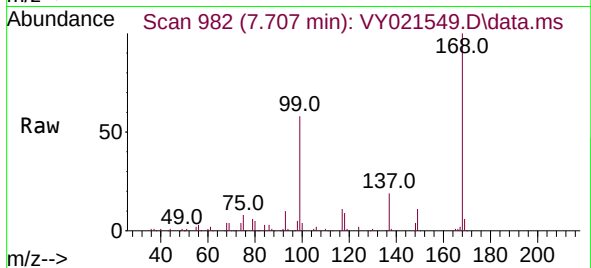




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

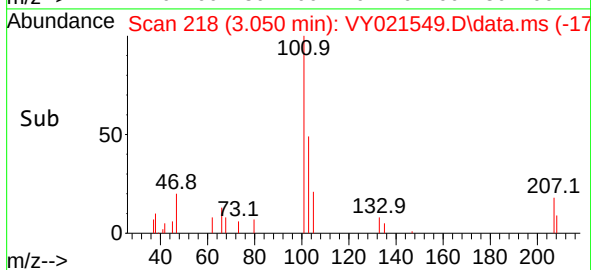
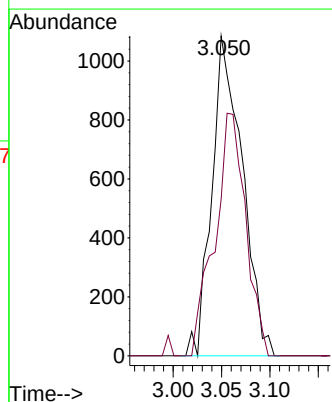
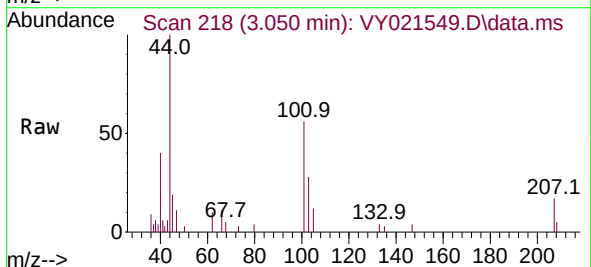
Instrument :
MSVOA_Y
ClientSampleId :

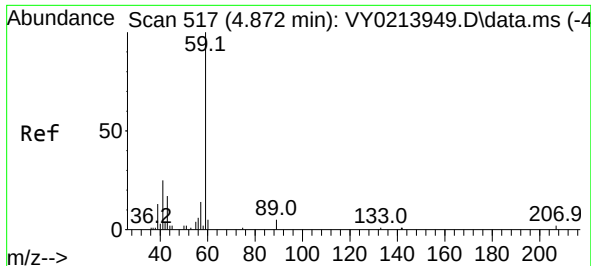
Tgt Ion:168 Resp: 98896
Ion Ratio Lower Upper
168 100
99 57.7 46.0 69.0



#7
Trichlorofluoromethane
Concen: 1.217 ug/l
RT: 3.050 min Scan# 218
Delta R.T. -0.018 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

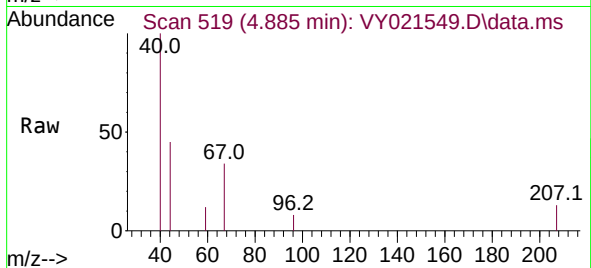
Tgt Ion:101 Resp: 2375
Ion Ratio Lower Upper
101 100
103 49.0 51.7 77.5#



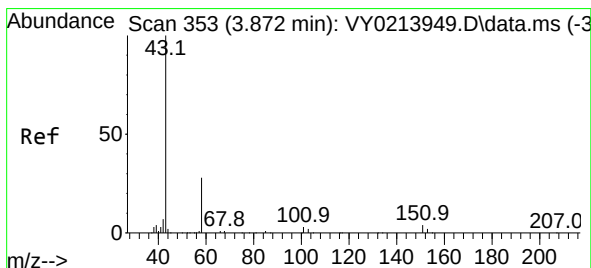
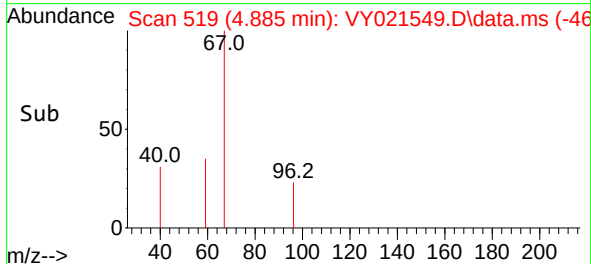
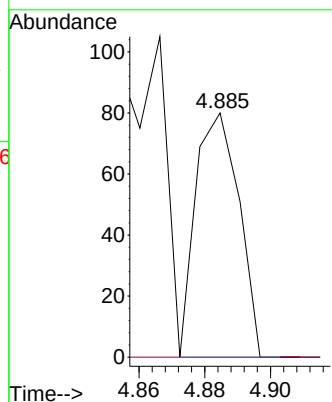


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.885 min Scan# 517
Delta R.T. 0.013 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :

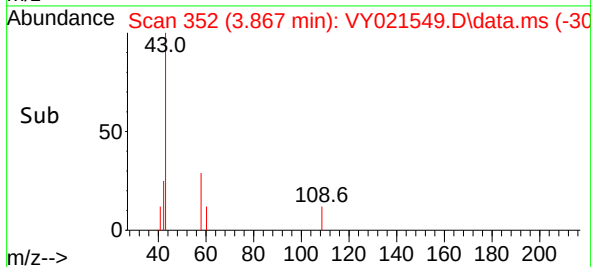
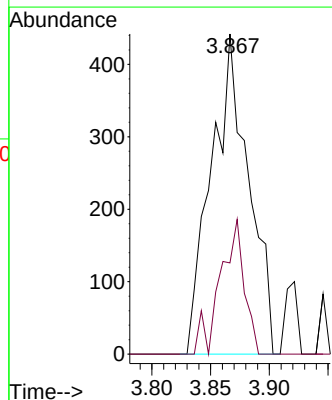
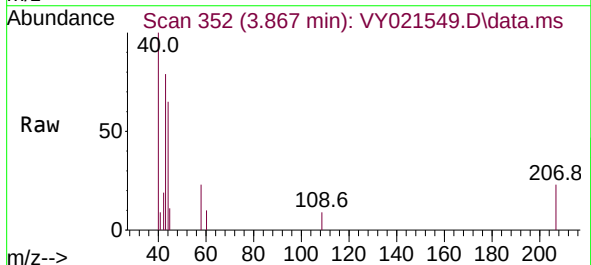


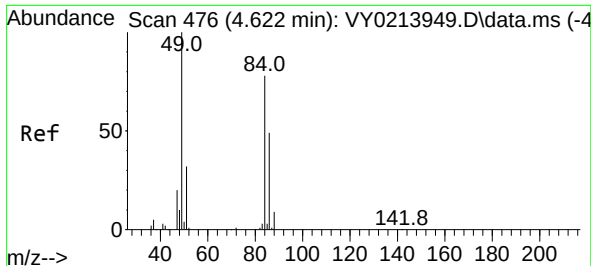
Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 4.285 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.005 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

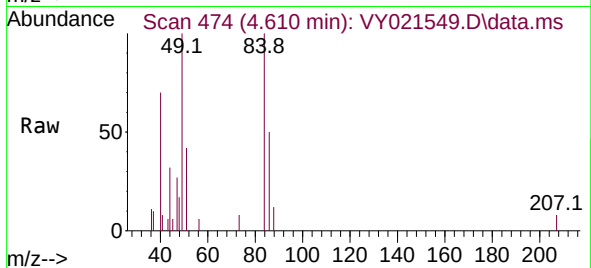
Tgt Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
58 28.5 22.1 33.1



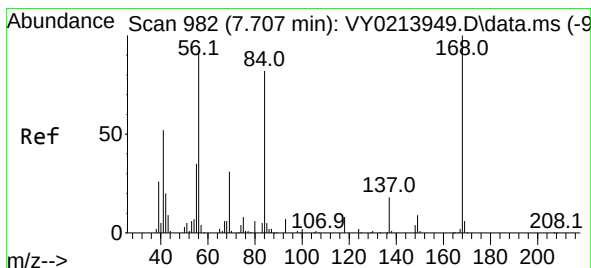
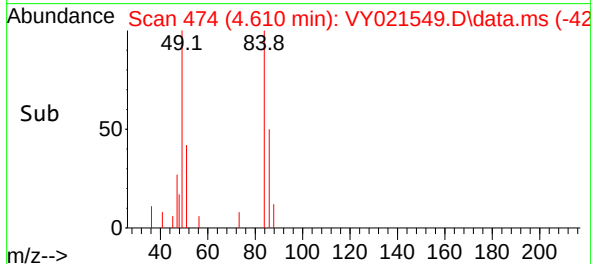
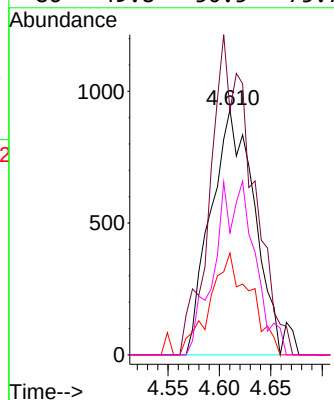


#20
Methylene Chloride
Concen: 2.281 ug/l
RT: 4.610 min Scan# 476
Delta R.T. -0.012 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :

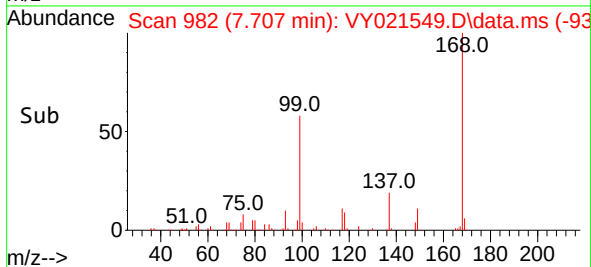
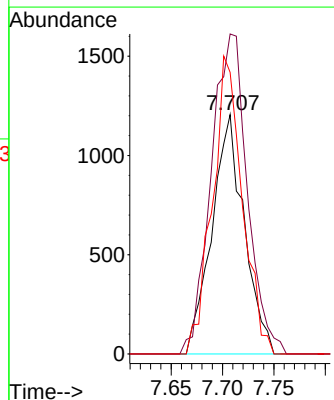
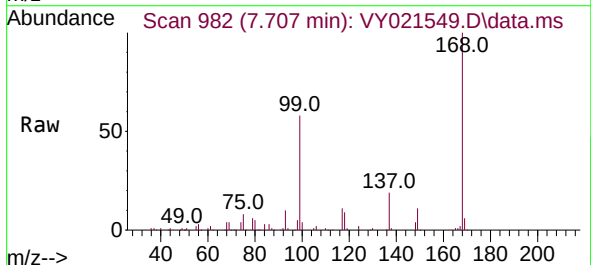


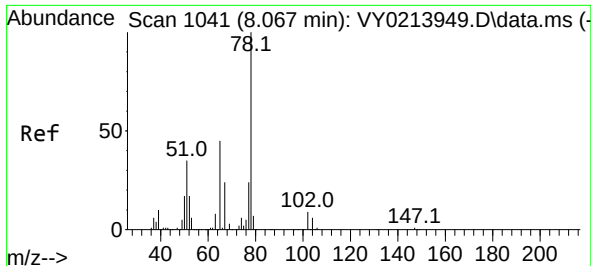
Tgt Ion: 84 Resp: 2730
Ion Ratio Lower Upper
84 100
49 99.7 102.0 153.0#
51 41.5 33.0 49.6
86 49.8 50.5 75.7#



#31
Cyclohexane
Concen: 1.346 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

Tgt Ion: 56 Resp: 2635
Ion Ratio Lower Upper
56 100
69 133.7 27.0 40.4#
84 117.7 71.1 106.7#

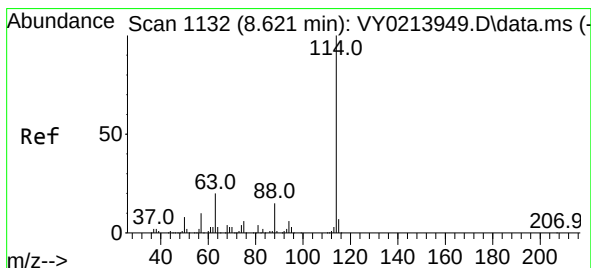
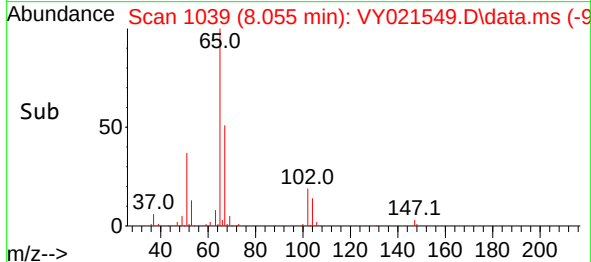
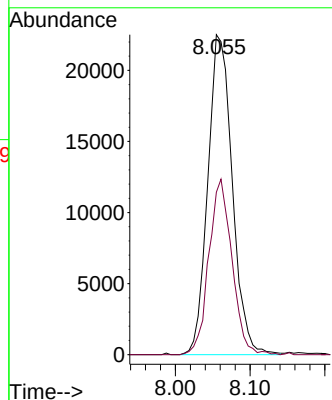
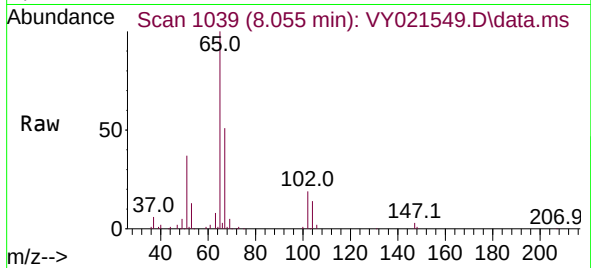




#33
 1,2-Dichloroethane-d4
 Concen: 49.032 ug/l
 RT: 8.055 min Scan# 1041
 Delta R.T. -0.012 min
 Lab File: VY021549.D
 Acq: 17 Mar 2025 14:26

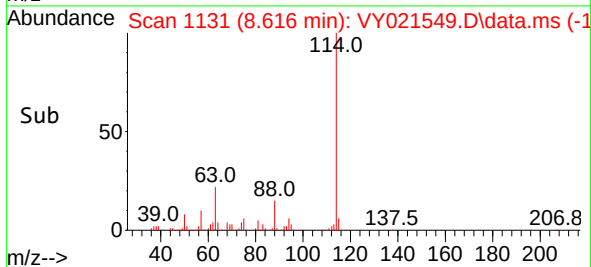
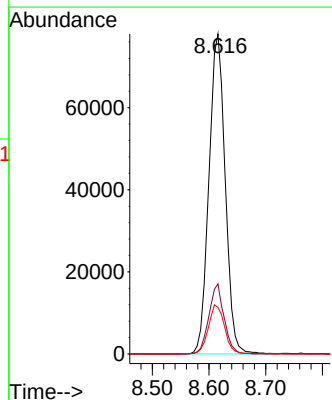
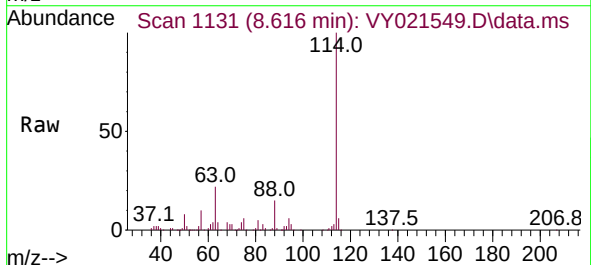
Instrument :
 MSVOA_Y
 ClientSampleId :

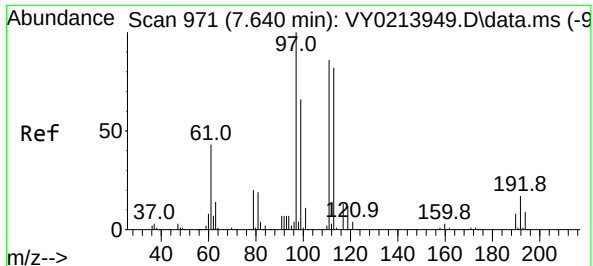
Tgt Ion: 65 Resp: 51252
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. -0.006 min
 Lab File: VY021549.D
 Acq: 17 Mar 2025 14:26

Tgt Ion:114 Resp: 155221
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 40.8
 88 14.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.607 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021549.D

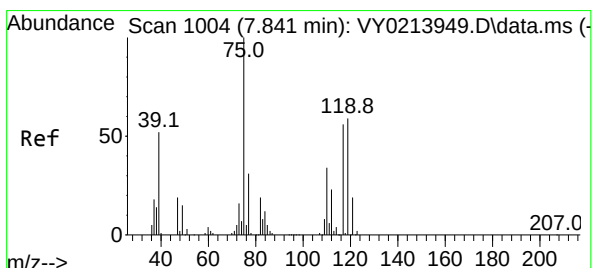
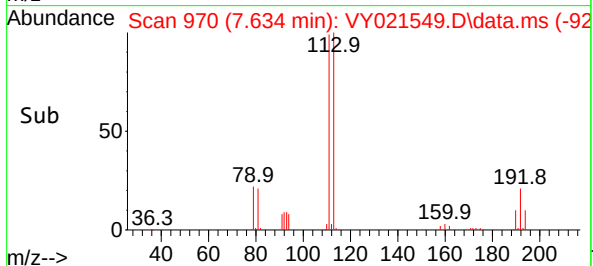
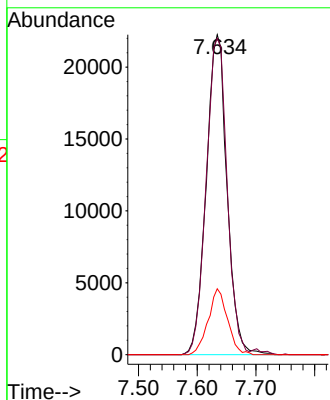
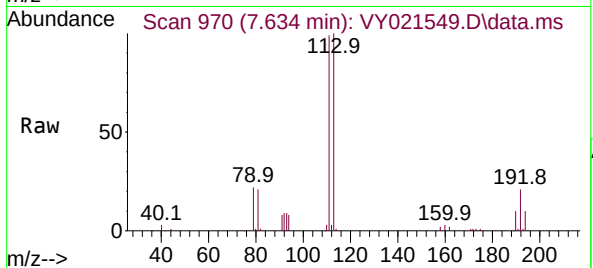
Acq: 17 Mar 2025 14:26

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	113	Resp:	54695
Ion	Ratio	Lower	Upper
113	100		
111	99.3	82.0	123.0
192	19.2	15.9	23.9



#36

1,1-Dichloropropene

Concen: 5.324 ug/l

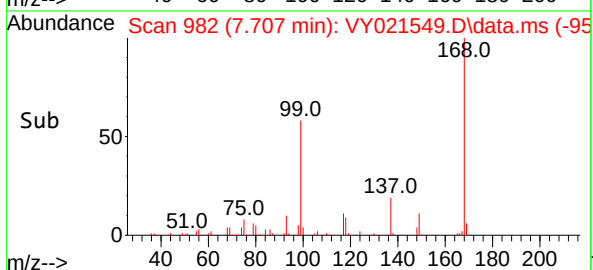
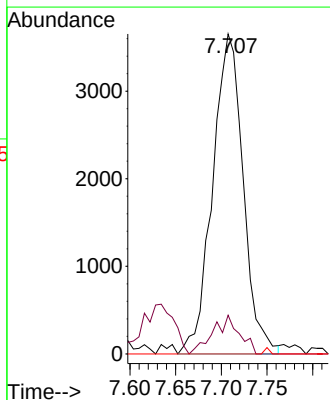
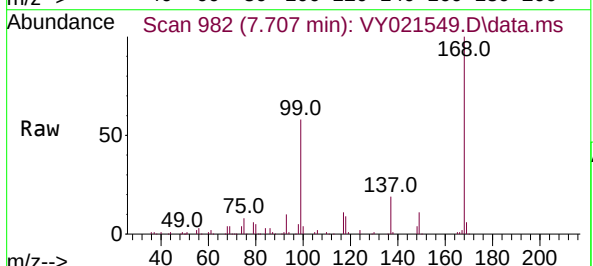
RT: 7.707 min Scan# 982

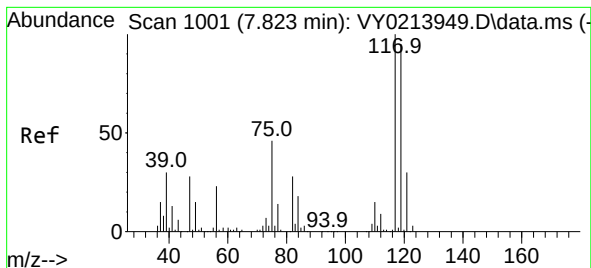
Delta R.T. -0.134 min

Lab File: VY021549.D

Acq: 17 Mar 2025 14:26

Tgt Ion:	75	Resp:	8503
Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.3	51.7#
77	0.0	25.4	38.2#





#38

Carbon Tetrachloride

Concen: 5.429 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.115 min

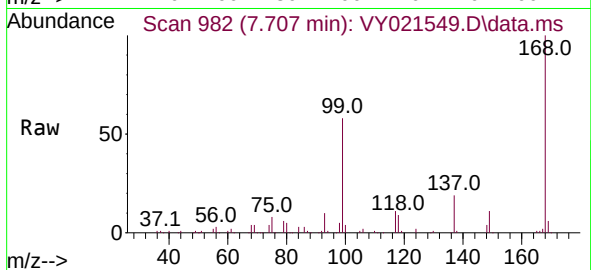
Lab File: VY021549.D

Acq: 17 Mar 2025 14:26

Instrument :

MSVOA_Y

ClientSampleId :



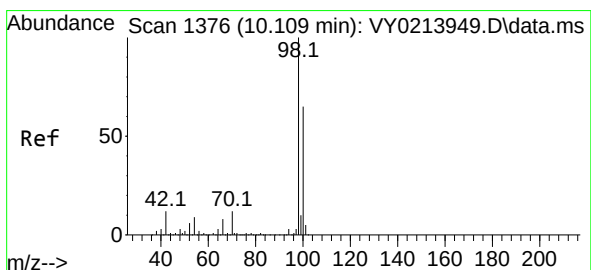
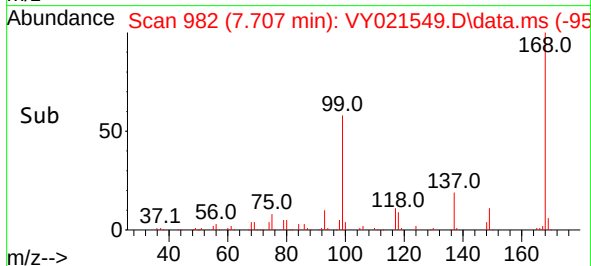
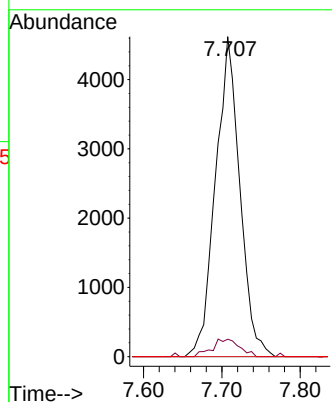
Tgt Ion:117 Resp: 9972

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 45.929 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021549.D

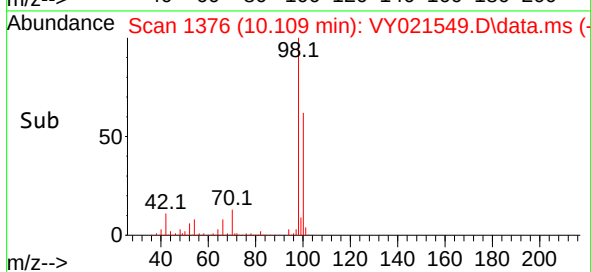
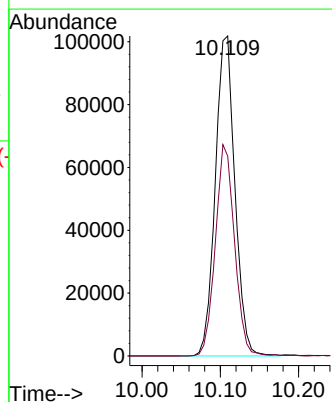
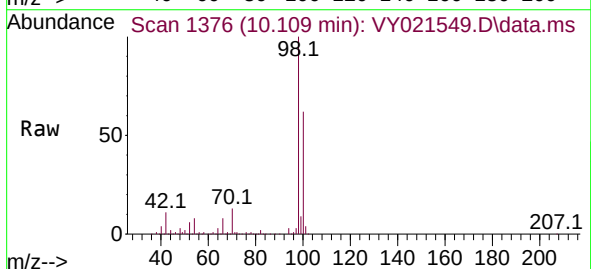
Acq: 17 Mar 2025 14:26

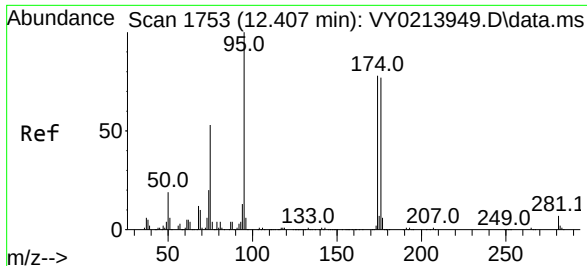
Tgt Ion: 98 Resp: 177431

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1

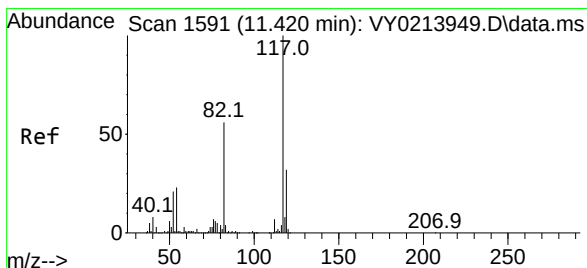
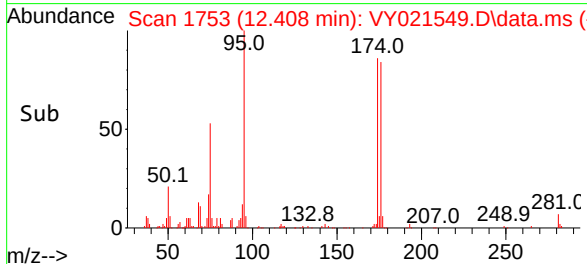
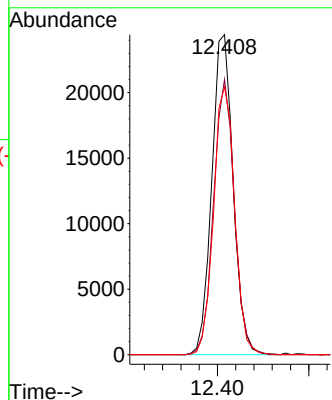
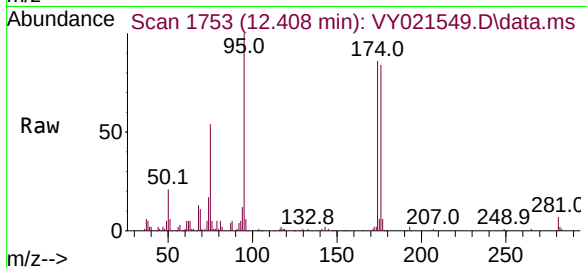




#62
4-Bromofluorobenzene
Concen: 30.131 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

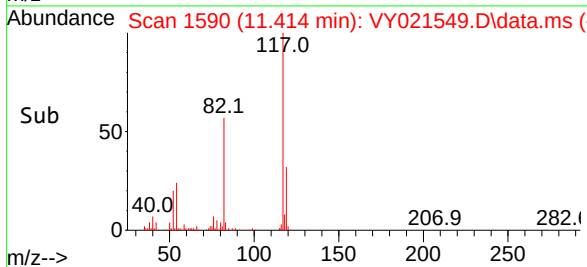
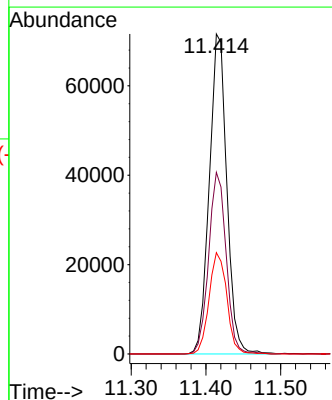
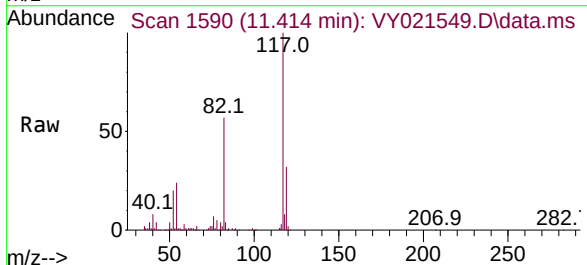
Instrument :
MSVOA_Y
ClientSampleId :

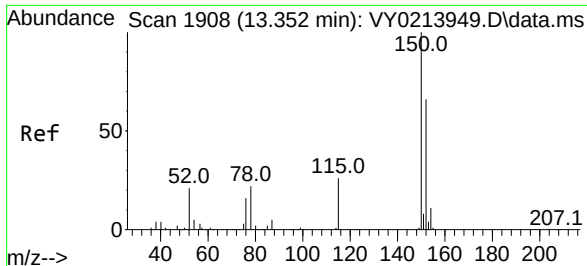
Tgt Ion: 95 Resp: 39595
Ion Ratio Lower Upper
95 100
174 83.4 0.0 165.0
176 82.7 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

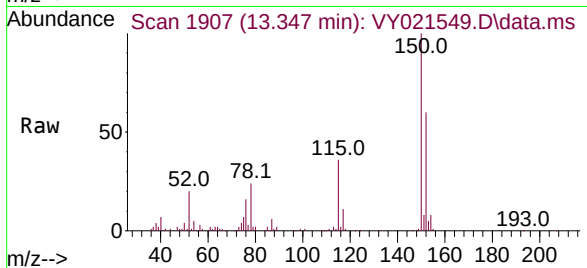
Tgt Ion: 117 Resp: 116517
Ion Ratio Lower Upper
117 100
82 56.7 44.6 67.0
119 31.7 25.4 38.0



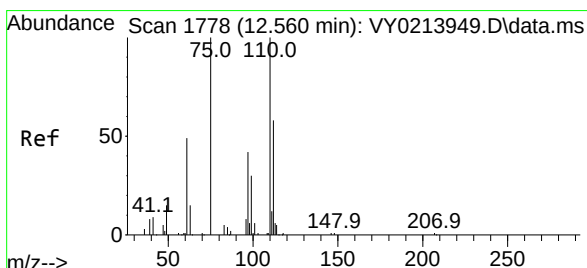
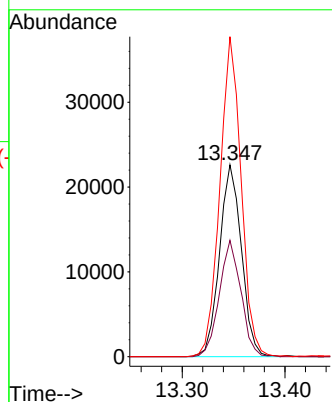
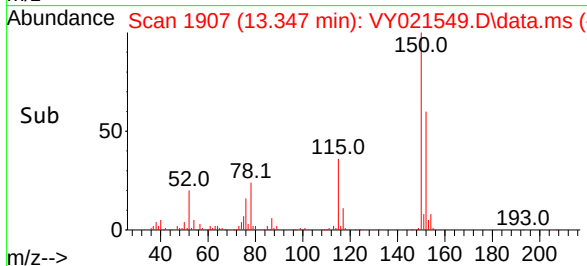


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021549.D
 Acq: 17 Mar 2025 14:26

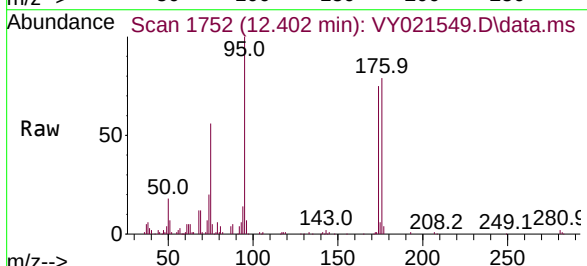
Instrument :
 MSVOA_Y
 ClientSampleId :



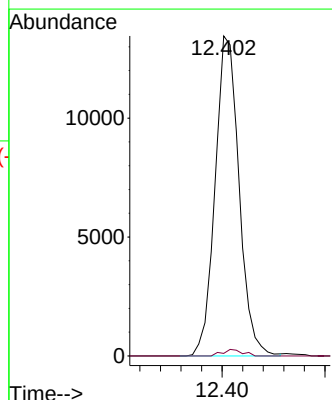
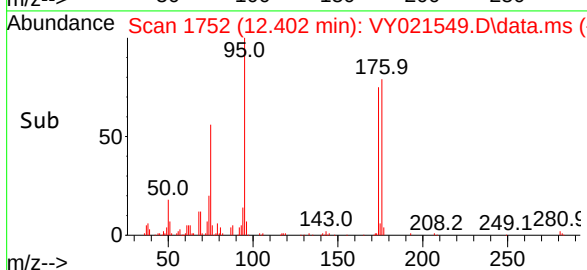
Tgt Ion:152 Resp: 33476
 Ion Ratio Lower Upper
 152 100
 115 59.7 29.0 87.0
 150 161.9 0.0 347.2

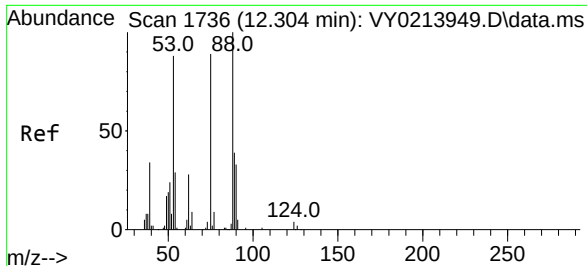


#76
 1,2,3-Trichloropropane
 Concen: 64.444 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.158 min
 Lab File: VY021549.D
 Acq: 17 Mar 2025 14:26



Tgt Ion: 75 Resp: 21739
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

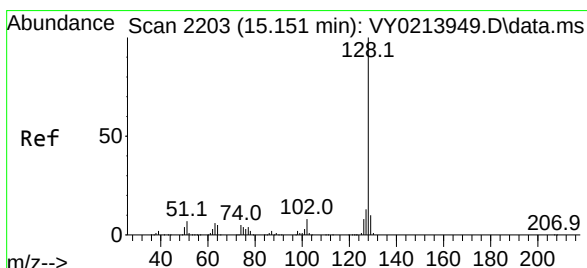
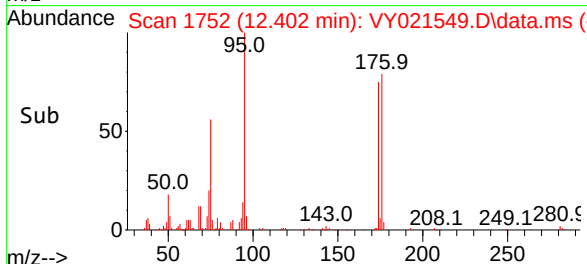
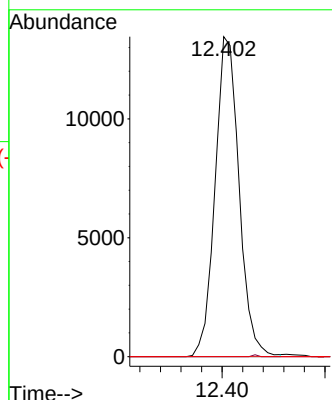
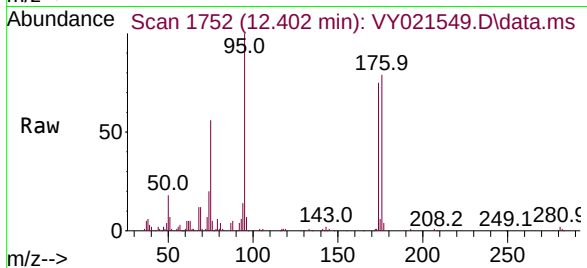




#81
trans-1,4-Dichloro-2-butene
Concen: 146.501 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 21739
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 1.879 ug/l
RT: 15.157 min Scan# 2204
Delta R.T. 0.006 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

Tgt Ion: 128 Resp: 390
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

