

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
 Data File : VY021511.D
 Acq On : 12 Mar 2025 15:57
 Operator : SY/MD
 Sample : Q1535-01
 Misc : 5.03g/5.5mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-03102025

Quant Time: Mar 13 01:38:05 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	90497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	142490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	111369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	35459	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	47381	49.536	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.080%
35) Dibromofluoromethane	7.634	113	49963	53.345	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.680%
50) Toluene-d8	10.109	98	166154	46.853	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.700%
62) 4-Bromofluorobenzene	12.407	95	38575	31.978	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.960%

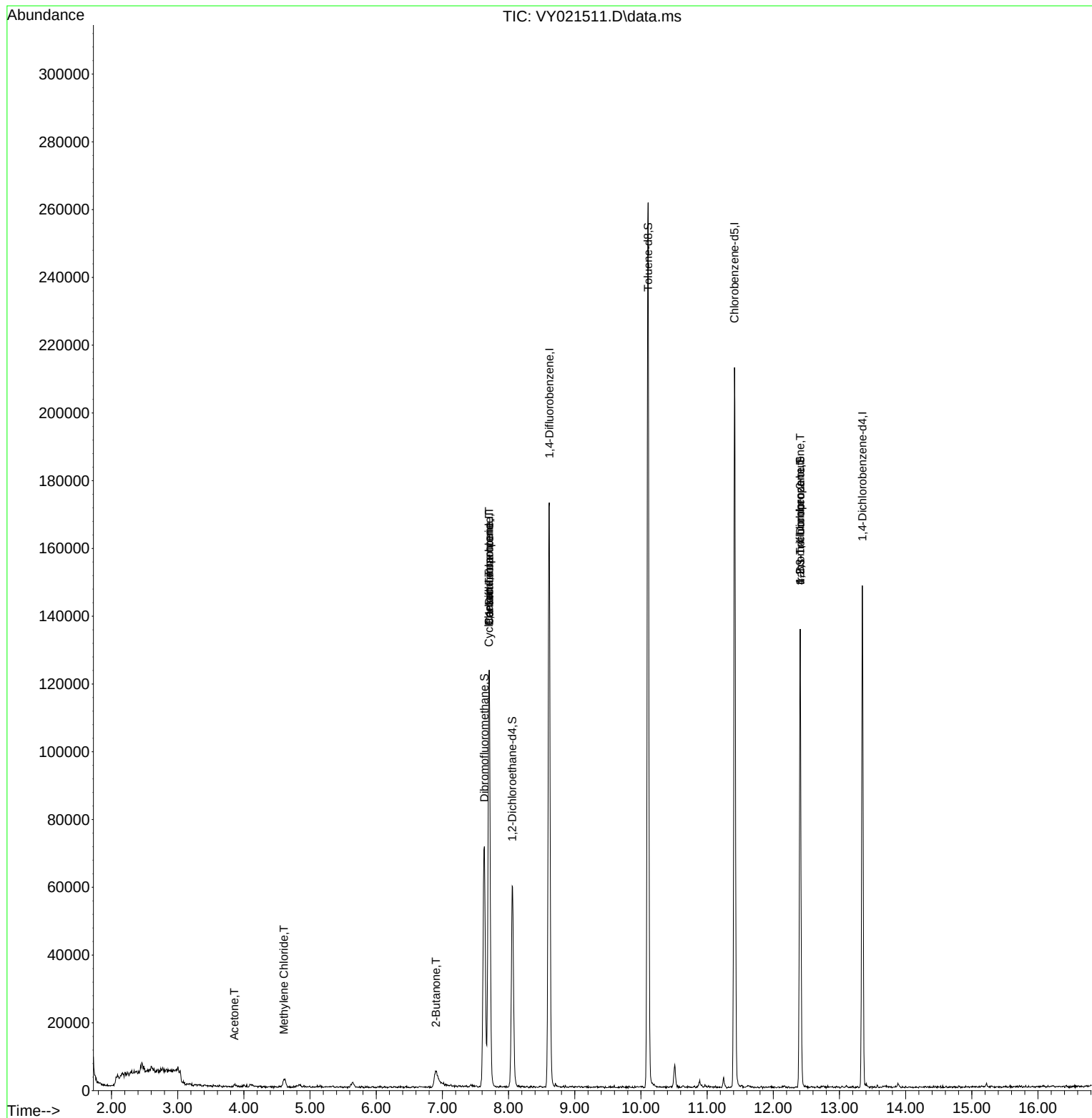
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.842	59	272	Below Cal	#	72
16) Acetone	3.854	43	378	1.812	ug/l #	15
20) Methylene Chloride	4.604	84	1812	1.655	ug/l #	84
25) 2-Butanone	6.902	43	334	1.157	ug/l #	48
31) Cyclohexane	7.701	56	2239	1.250	ug/l #	5
36) 1,1-Dichloropropene	7.707	75	8097	5.523	ug/l #	50
38) Carbon Tetrachloride	7.707	117	9930	5.889	ug/l #	18
76) 1,2,3-Trichloropropane	12.407	75	20734	58.027	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	20734	131.914	ug/l #	9

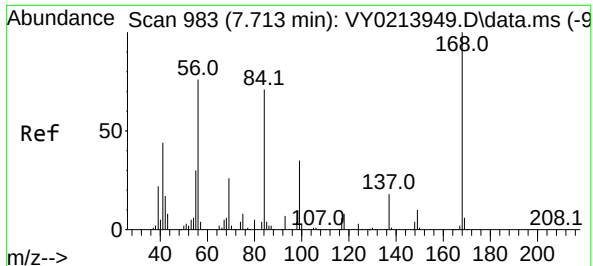
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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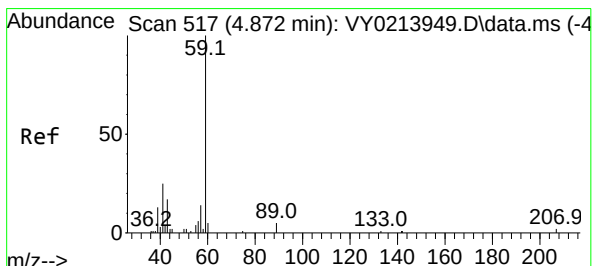
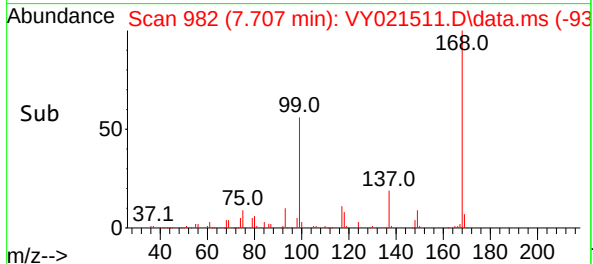
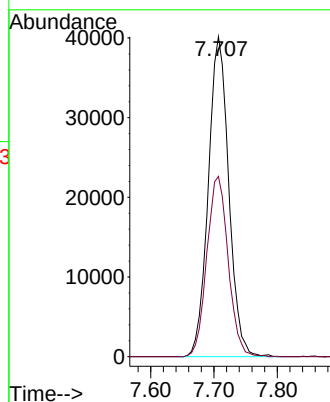
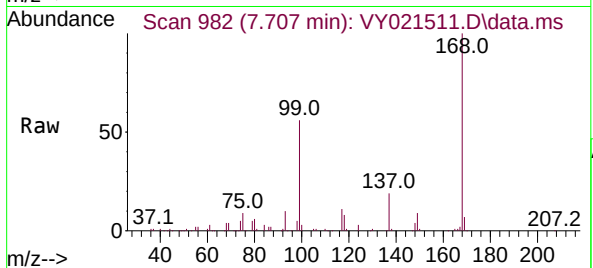




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

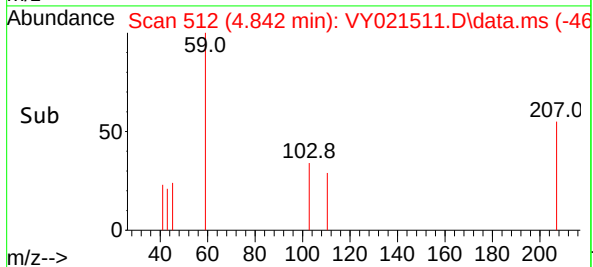
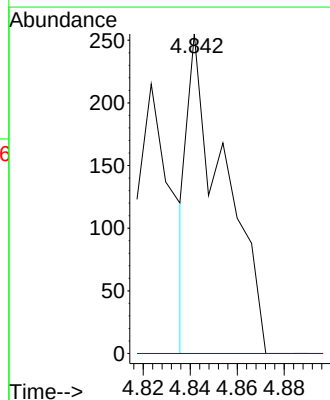
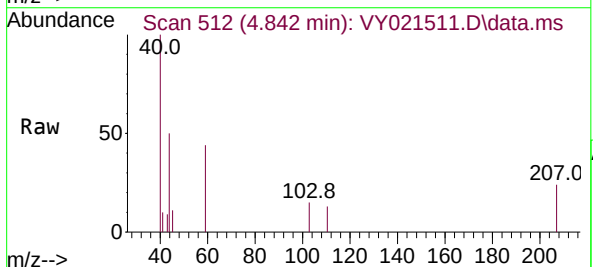
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-03102025

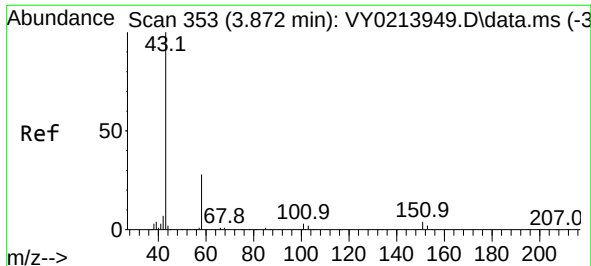
Tgt Ion:168 Resp: 90497
Ion Ratio Lower Upper
168 100
99 56.3 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.842 min Scan# 512
Delta R.T. -0.030 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

Tgt Ion: 59 Resp: 272
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

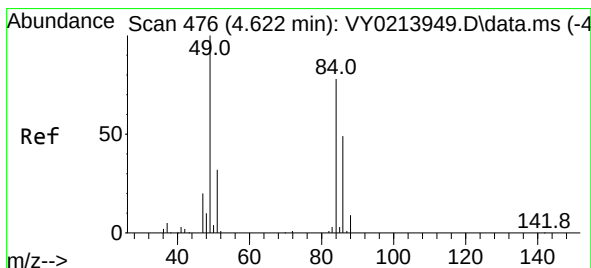
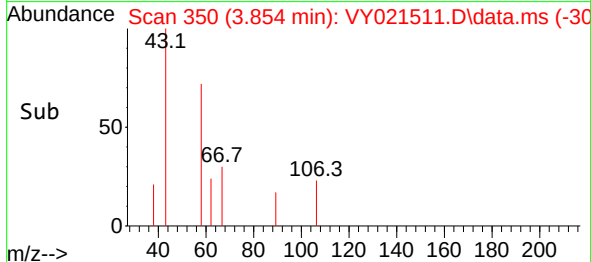
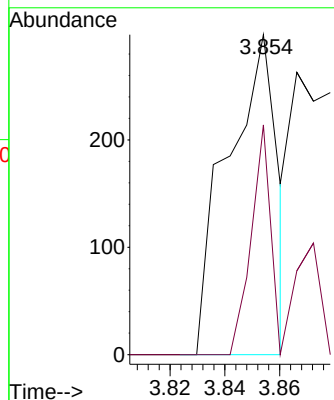
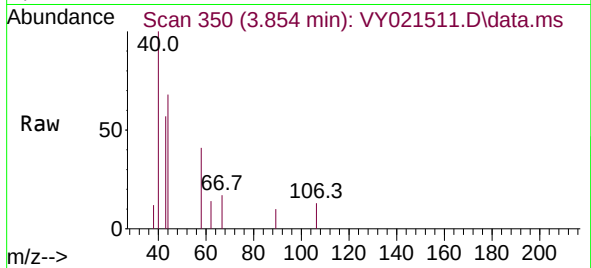




#16
Acetone
Concen: 1.812 ug/l
RT: 3.854 min Scan# 311
Delta R.T. -0.018 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

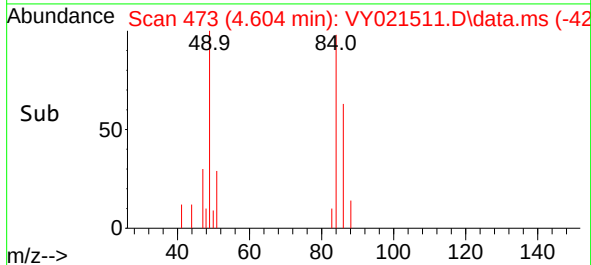
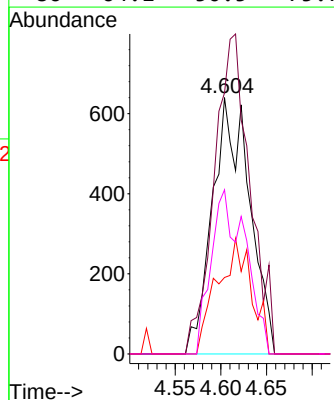
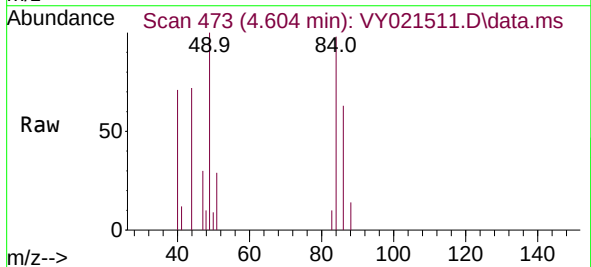
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-03102025

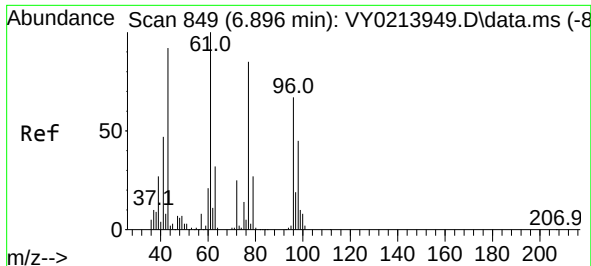
Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
58 71.8 22.1 33.1#



#20
Methylene Chloride
Concen: 1.655 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

Tgt Ion: 84 Resp: 1812
Ion Ratio Lower Upper
84 100
49 101.9 102.0 153.0#
51 29.8 33.0 49.6#
86 64.1 50.5 75.7

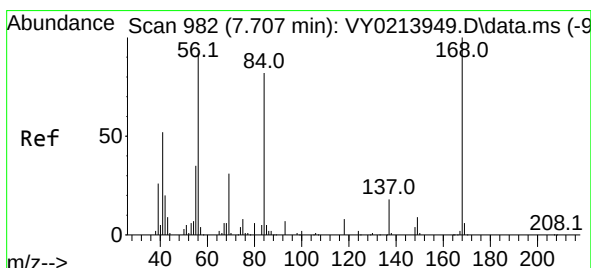
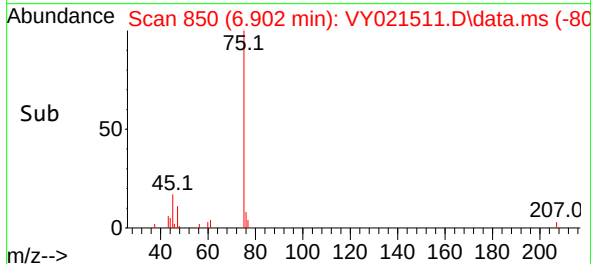
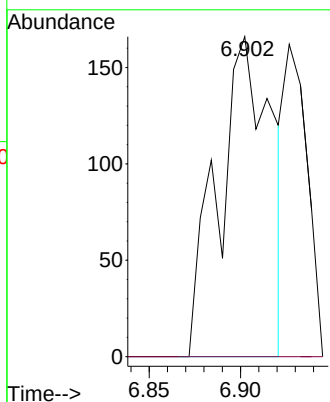
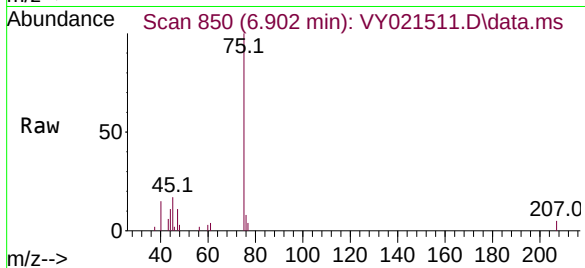




#25
2-Butanone
Concen: 1.157 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

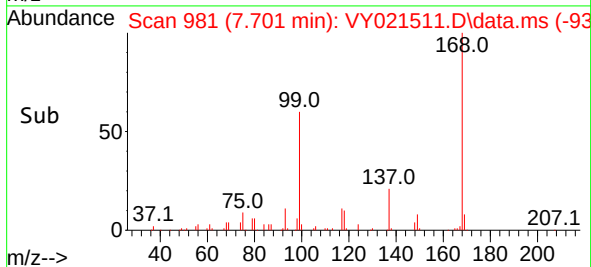
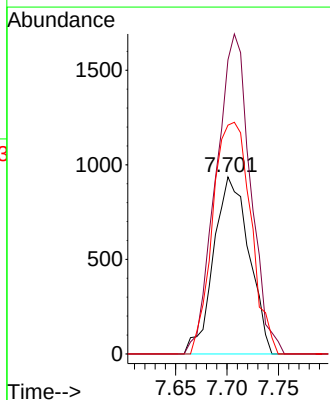
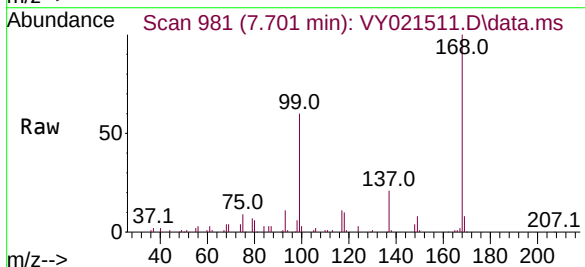
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-03102025

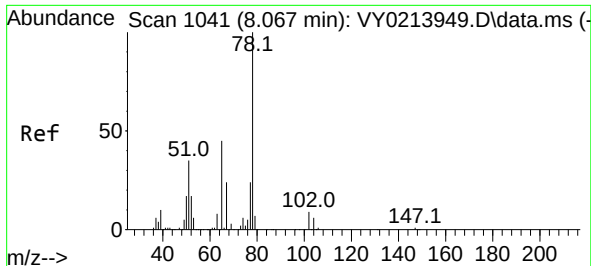
Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

Tgt Ion: 56 Resp: 2239
Ion Ratio Lower Upper
56 100
69 166.1 27.0 40.4#
84 129.3 71.1 106.7#

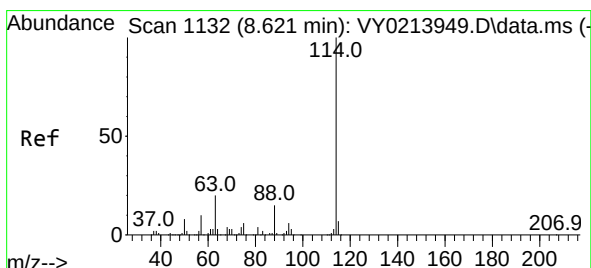
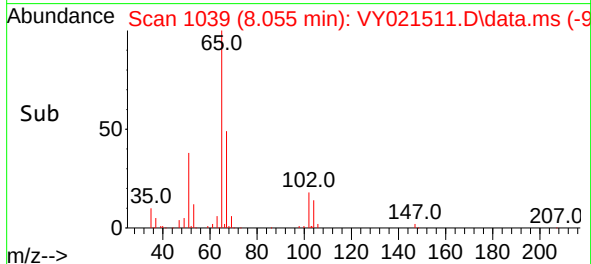
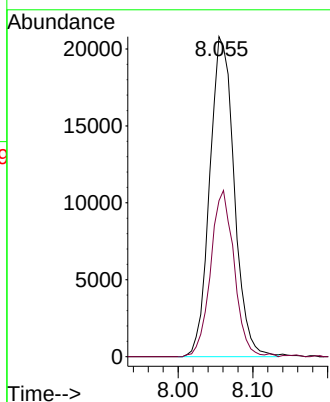
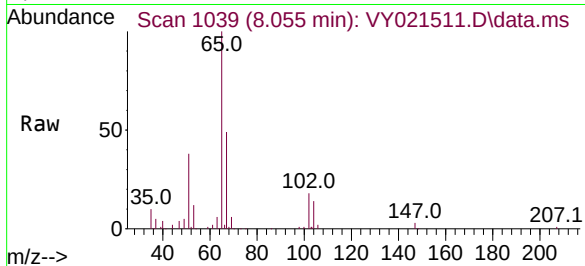




#33
 1,2-Dichloroethane-d4
 Concen: 49.536 ug/l
 RT: 8.055 min Scan# 1109
 Delta R.T. -0.012 min
 Lab File: VY021511.D
 Acq: 12 Mar 2025 15:57

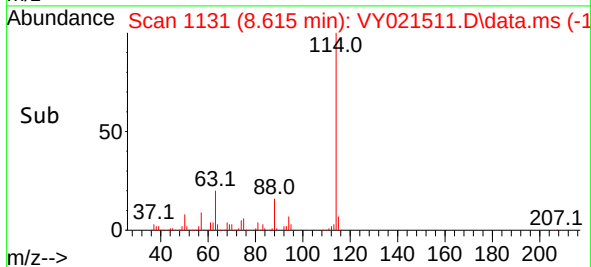
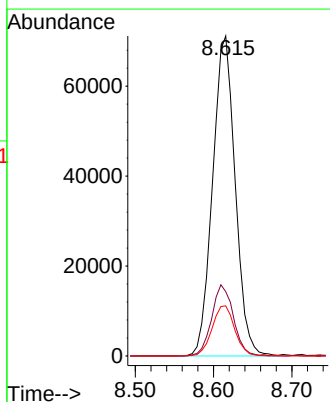
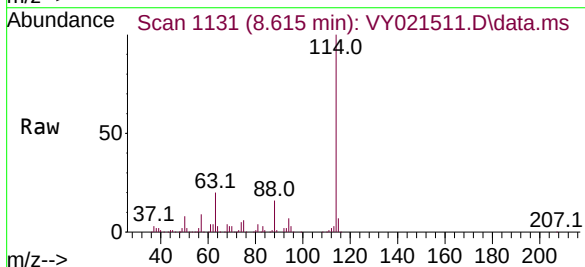
Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-03102025

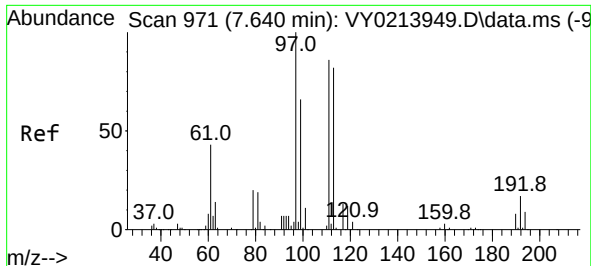
Tgt Ion: 65 Resp: 47381
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.615 min Scan# 1131
 Delta R.T. -0.006 min
 Lab File: VY021511.D
 Acq: 12 Mar 2025 15:57

Tgt Ion: 114 Resp: 142490
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 15.7 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.345 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021511.D

Acq: 12 Mar 2025 15:57

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-03102025

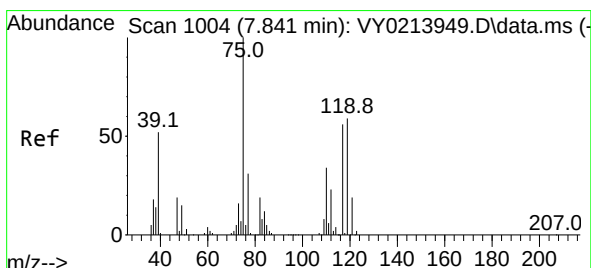
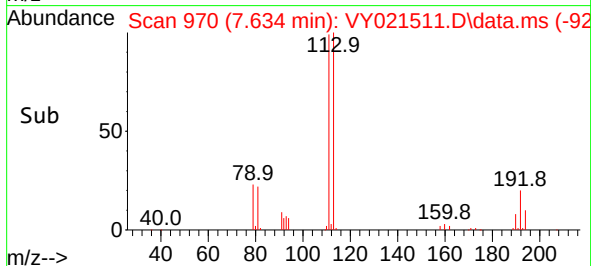
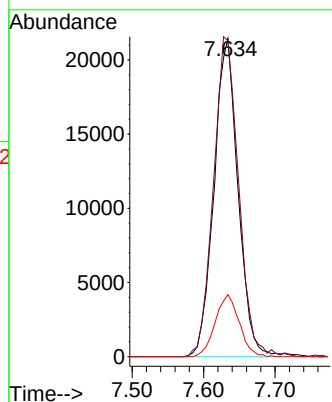
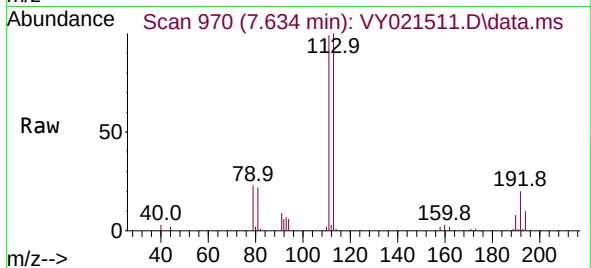
Tgt Ion:113 Resp: 49963

Ion Ratio Lower Upper

113 100

111 105.3 82.0 123.0

192 19.5 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.523 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021511.D

Acq: 12 Mar 2025 15:57

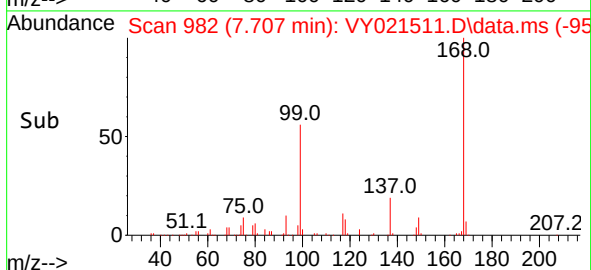
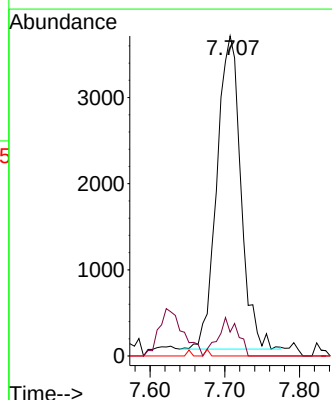
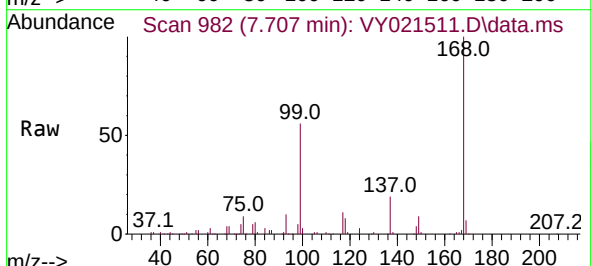
Tgt Ion: 75 Resp: 8097

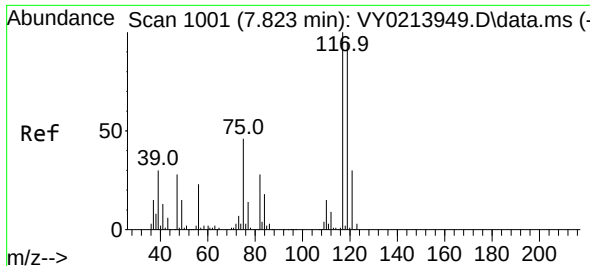
Ion Ratio Lower Upper

75 100

110 9.9 17.3 51.7#

77 0.0 25.4 38.2#

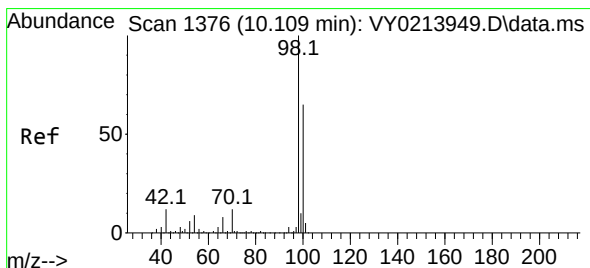
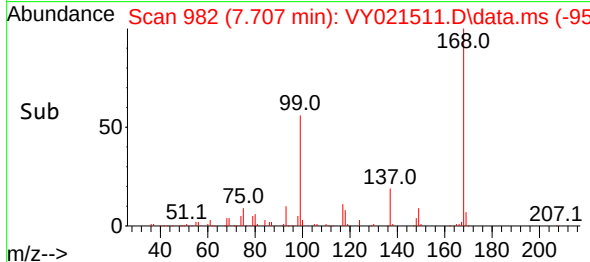
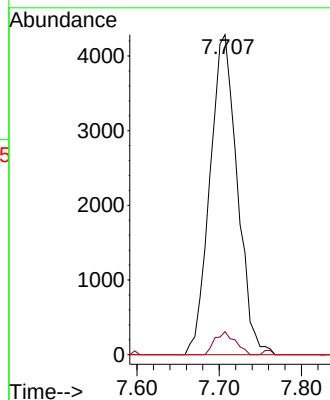
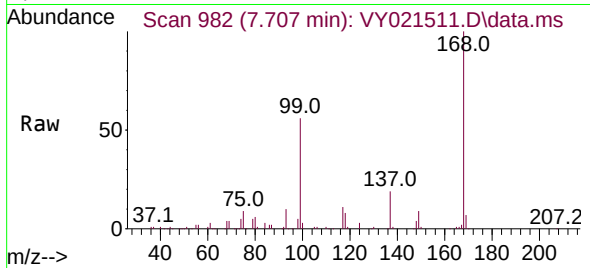




#38
Carbon Tetrachloride
Concen: 5.889 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

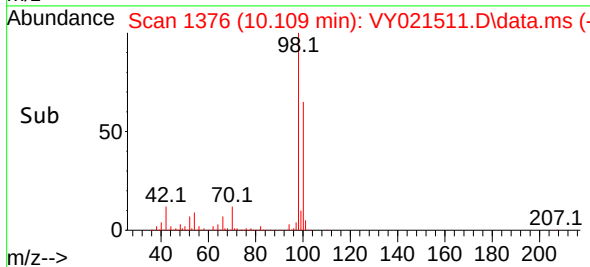
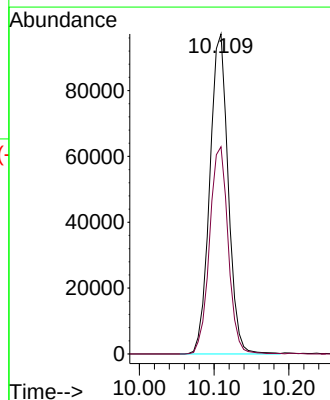
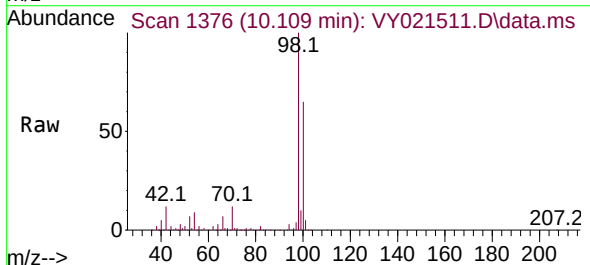
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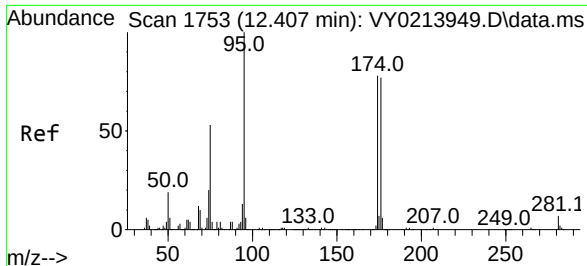
Tgt Ion:117 Resp: 9930
Ion Ratio Lower Upper
117 100
119 7.2 75.8 113.8#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 46.853 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

Tgt Ion: 98 Resp: 166154
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1

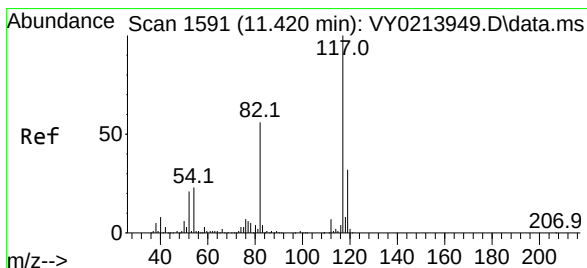
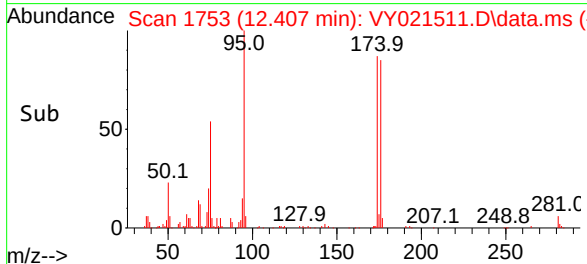
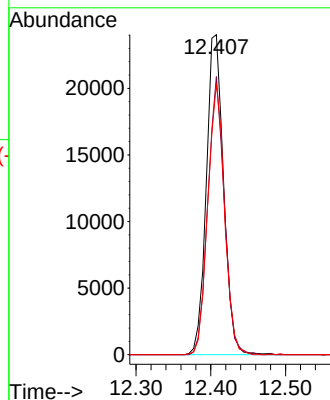
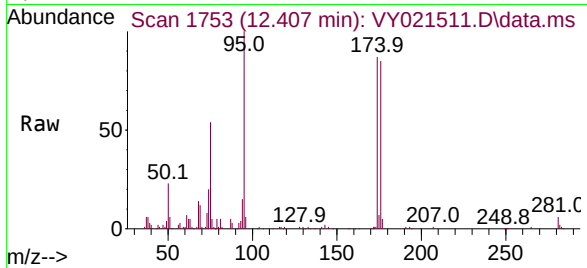




#62
4-Bromofluorobenzene
Concen: 31.978 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

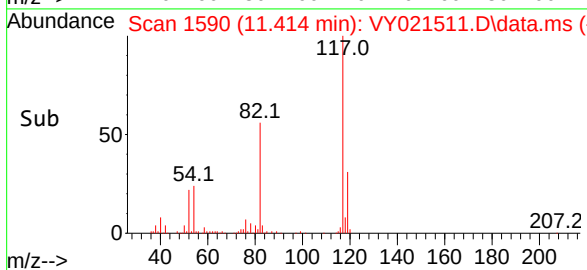
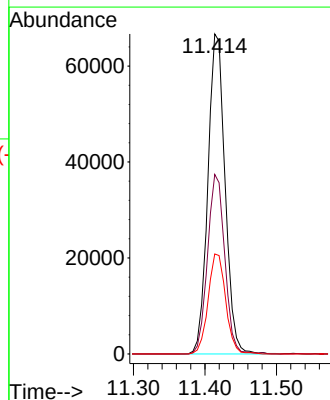
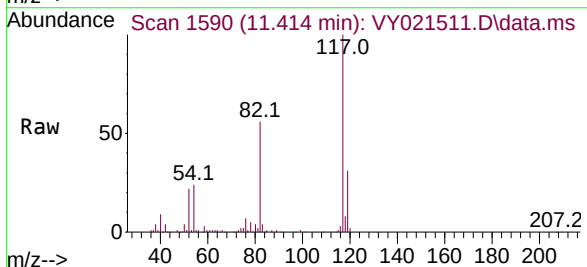
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-03102025

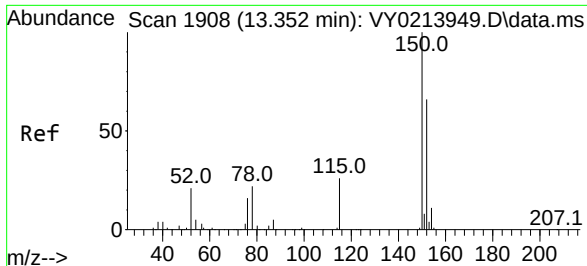
Tgt Ion:	95	Resp:	38575
Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	165.0
176	81.8	0.0	160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

Tgt Ion:	117	Resp:	111369
Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.6	67.0
119	31.3	25.4	38.0

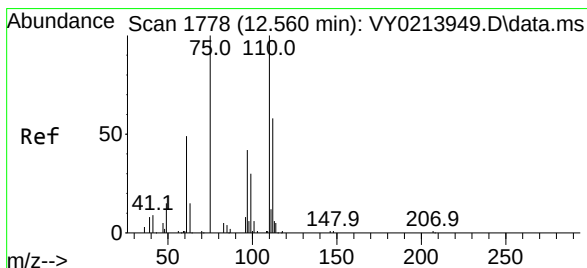
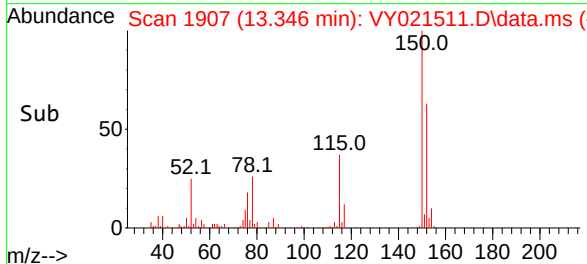
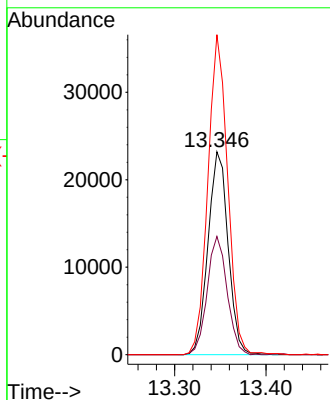
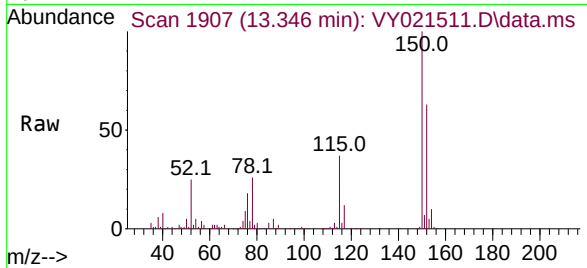




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021511.D
 Acq: 12 Mar 2025 15:57

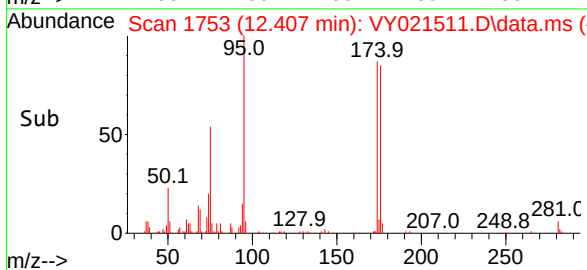
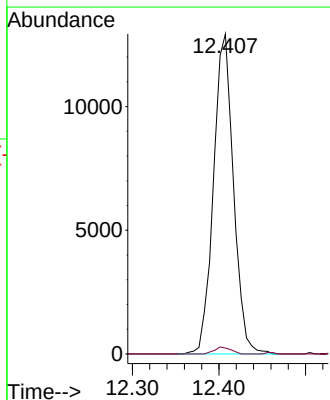
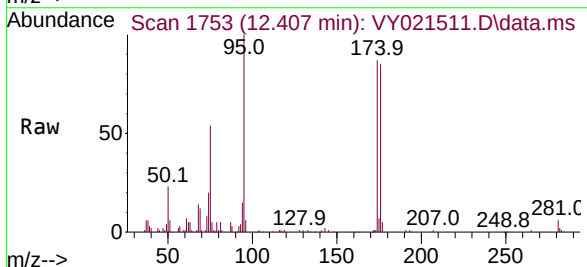
Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-03102025

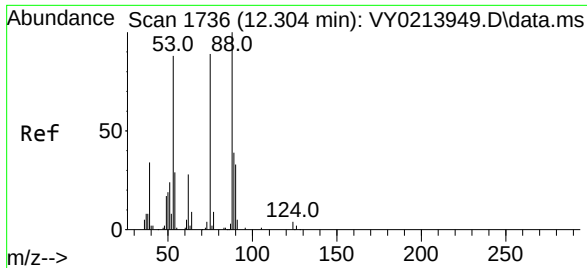
Tgt Ion:152 Resp: 35459
 Ion Ratio Lower Upper
 152 100
 115 57.8 29.0 87.0
 150 155.5 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 58.027 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021511.D
 Acq: 12 Mar 2025 15:57

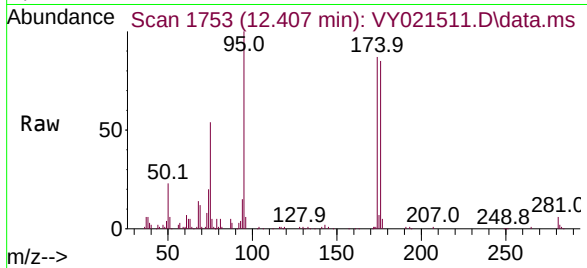
Tgt Ion: 75 Resp: 20734
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.914 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021511.D
 Acq: 12 Mar 2025 15:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-03102025



Tgt Ion: 75 Resp: 20734
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.4#
 89 0.0 36.9 55.3#

