

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023510.D
 Acq On : 20 Oct 2025 15:46
 Operator : SY/MD
 Sample : Q3392-07
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 21 04:00:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

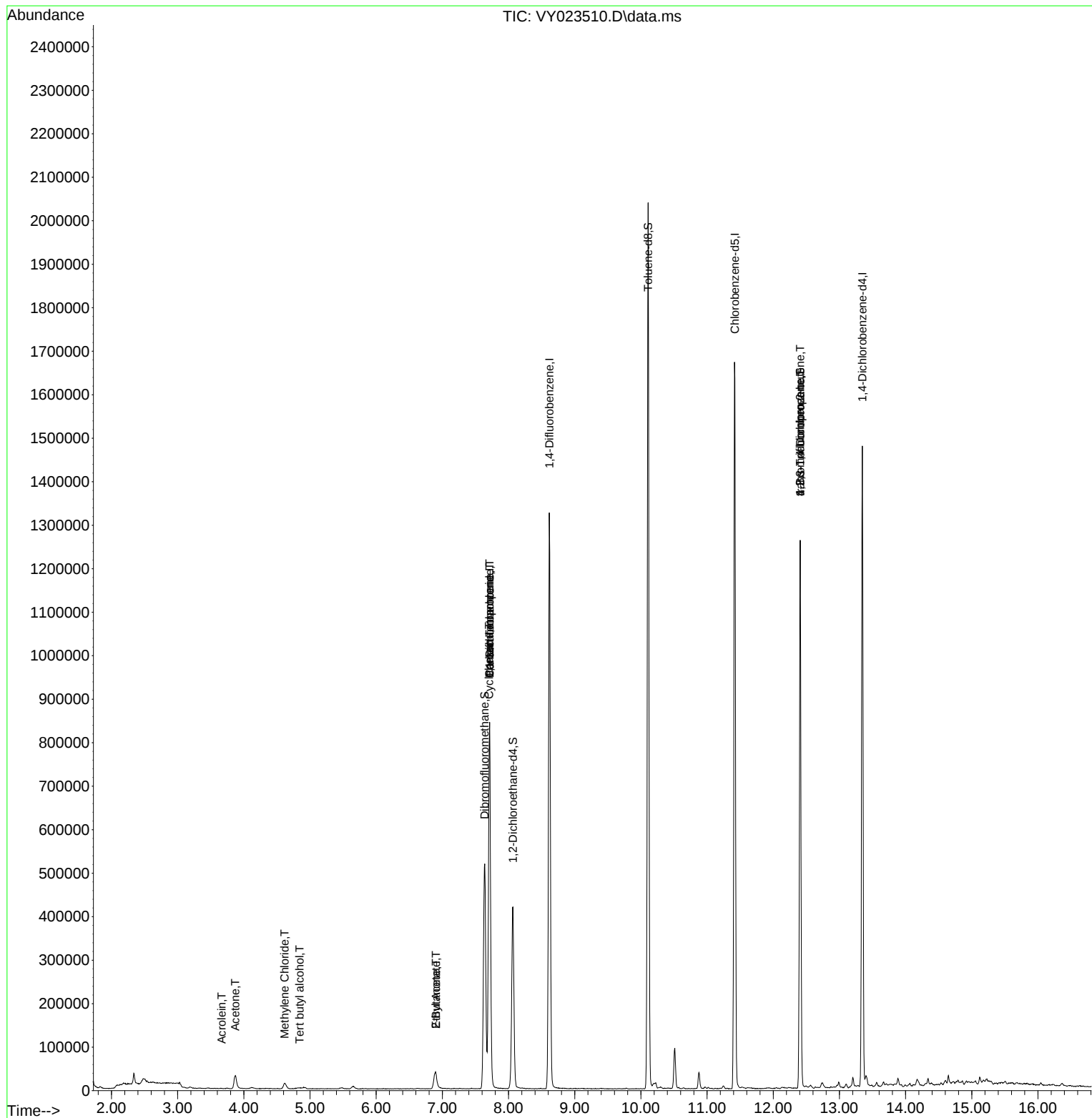
Internal Standards						
1) Pentafluorobenzene	7.713	168	684646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1170618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	985546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	402440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	321622	56.177	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.360%
35) Dibromofluoromethane	7.640	113	376347	52.322	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.640%
50) Toluene-d8	10.109	98	1326026	49.503	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.000%
62) 4-Bromofluorobenzene	12.408	95	365353	41.312	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.620%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	2902	6.814	ug/l #	77
13) Acrolein	3.665	56	690	1.147	ug/l #	69
16) Acetone	3.873	43	52532	38.542	ug/l	96
20) Methylene Chloride	4.616	84	9906	1.344	ug/l	95
25) 2-Butanone	6.903	43	13326	8.009	ug/l	96
31) Cyclohexane	7.707	56	12348	1.297	ug/l #	19
36) 1,1-Dichloropropene	7.713	75	46059	4.837	ug/l #	48
37) Ethyl Acetate	6.903	43	13326	3.532	ug/l #	83
38) Carbon Tetrachloride	7.713	117	63401	5.491	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	175306	49.374	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	175306	121.074	ug/l #	15

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

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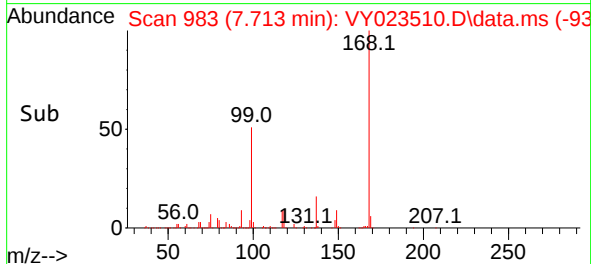
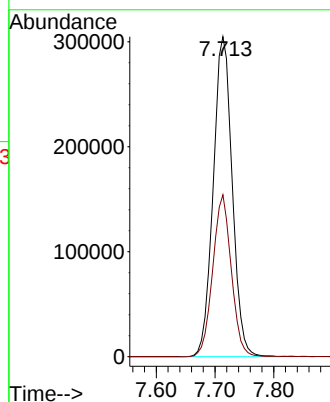
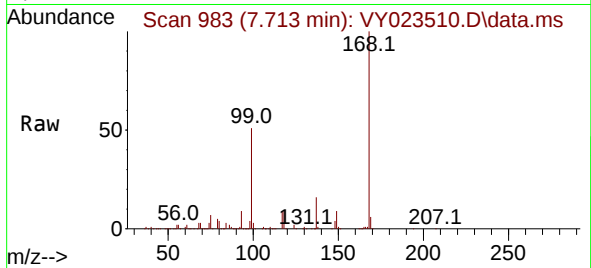




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023510.D
Acq: 20 Oct 2025 15:46

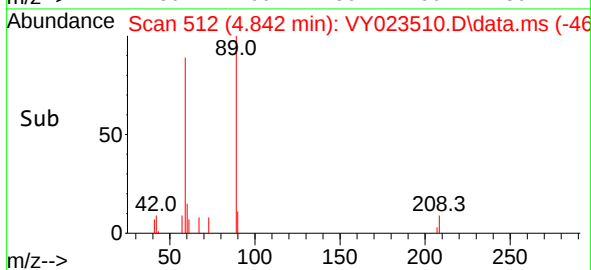
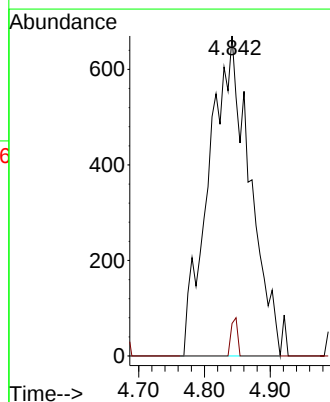
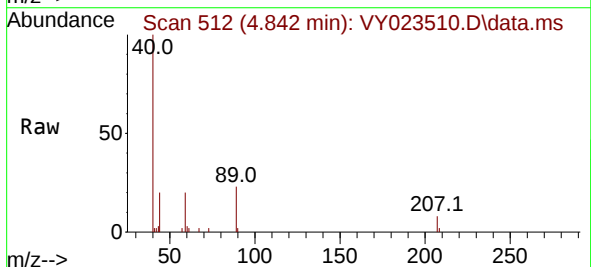
Instrument :
MSVOA_Y
ClientSampleId :

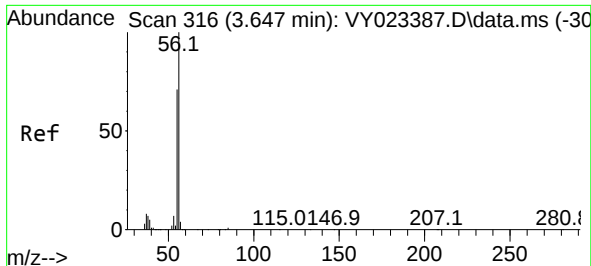
Tgt Ion:168 Resp: 684646
Ion Ratio Lower Upper
168 100
99 50.6 39.7 59.5



#11
Tert butyl alcohol
Concen: 6.814 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023510.D
Acq: 20 Oct 2025 15:46

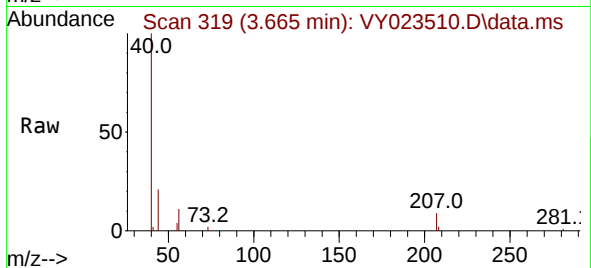
Tgt Ion: 59 Resp: 2902
Ion Ratio Lower Upper
59 100
57 1.9 8.3 12.5#



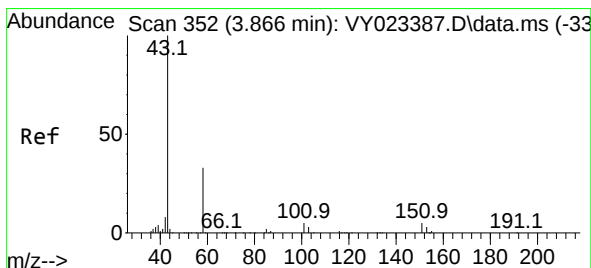
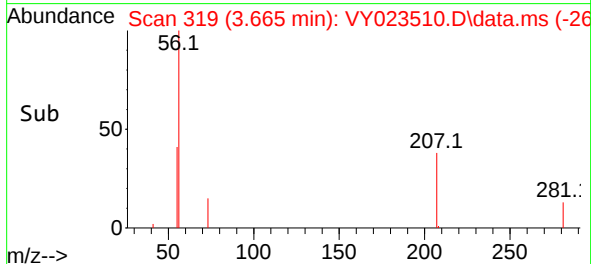
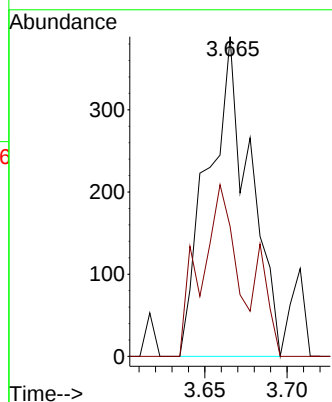


#13
Acrolein
Concen: 1.147 ug/l
RT: 3.665 min Scan# 316
Delta R.T. 0.018 min
Lab File: VY023510.D
Acq: 20 Oct 2025 15:46

Instrument :
MSVOA_Y
ClientSampleId :

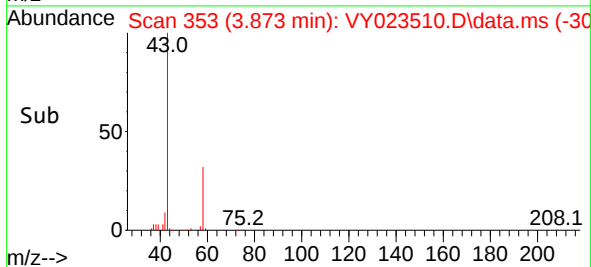
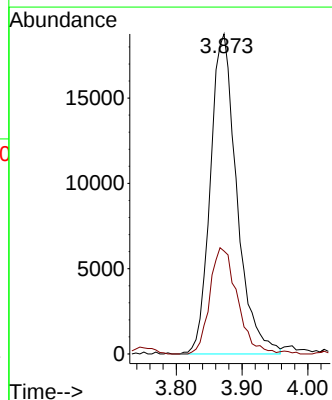
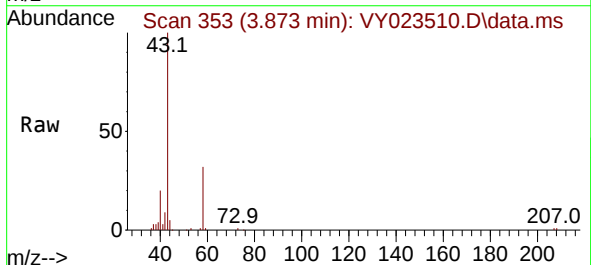


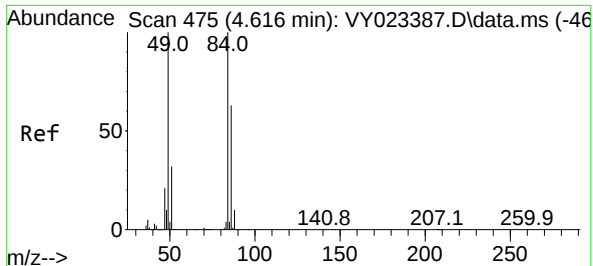
Tgt Ion: 56 Resp: 690
Ion Ratio Lower Upper
56 100
55 44.6 56.1 84.1#



#16
Acetone
Concen: 38.542 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023510.D
Acq: 20 Oct 2025 15:46

Tgt Ion: 43 Resp: 52532
Ion Ratio Lower Upper
43 100
58 32.1 27.7 41.5





#20

Methylene Chloride

Concen: 1.344 ug/l

RT: 4.616 min Scan# 41

Delta R.T. 0.000 min

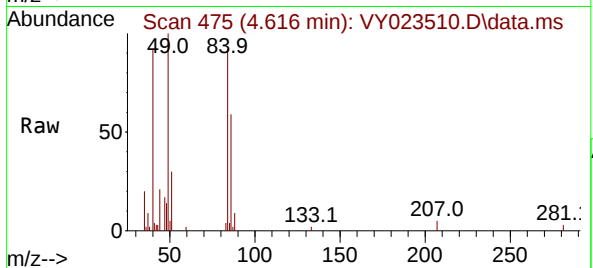
Lab File: VY023510.D

Acq: 20 Oct 2025 15:46

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 9906

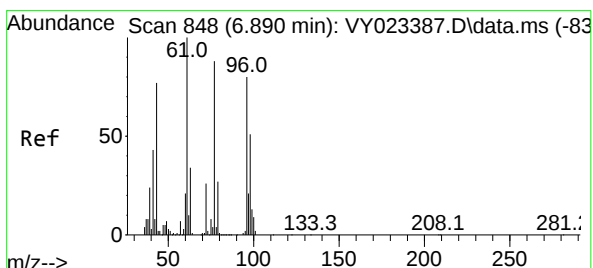
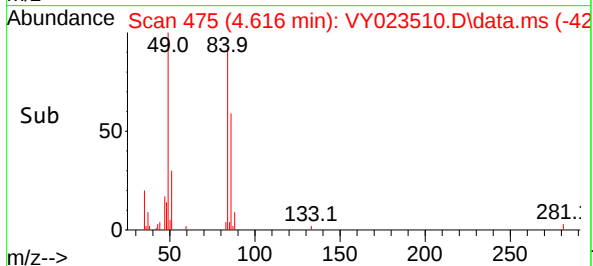
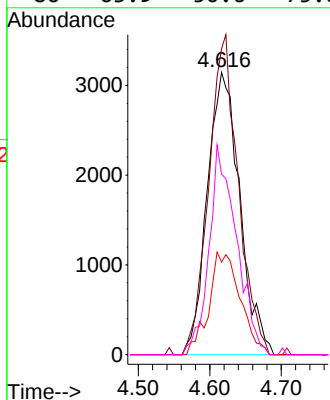
Ion Ratio Lower Upper

84 100

49 108.4 80.2 120.4

51 32.8 25.9 38.9

86 63.9 50.6 75.8



#25

2-Butanone

Concen: 8.009 ug/l

RT: 6.903 min Scan# 850

Delta R.T. 0.012 min

Lab File: VY023510.D

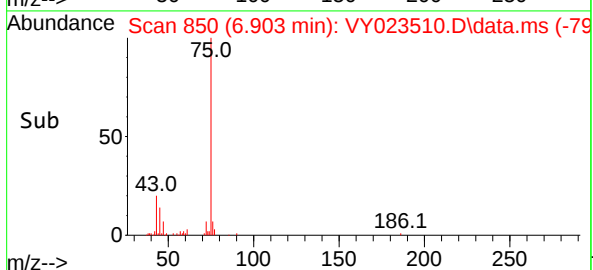
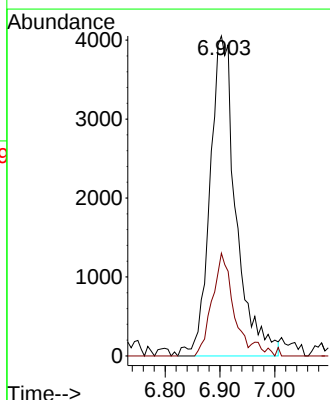
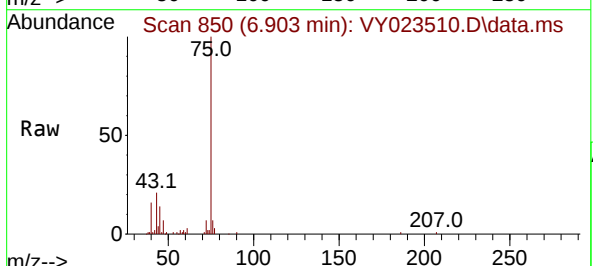
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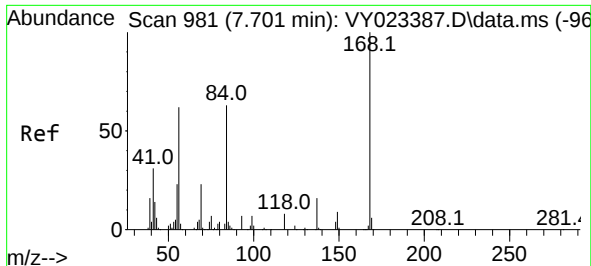
Tgt Ion: 43 Resp: 13326

Ion Ratio Lower Upper

43 100

72 32.1 27.4 41.2

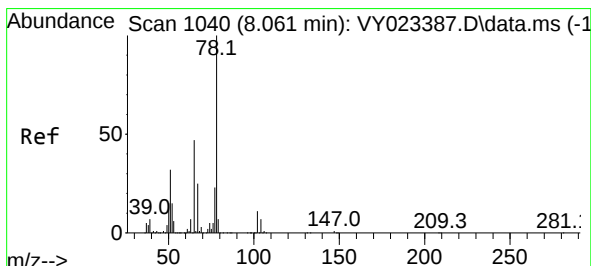
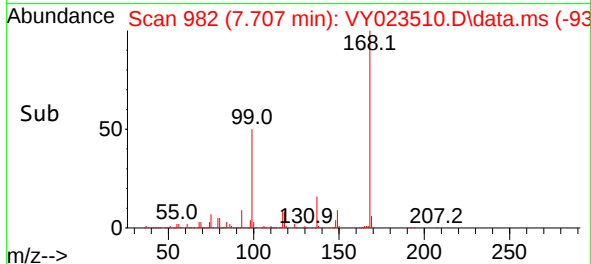
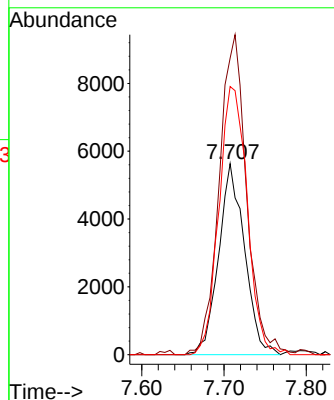
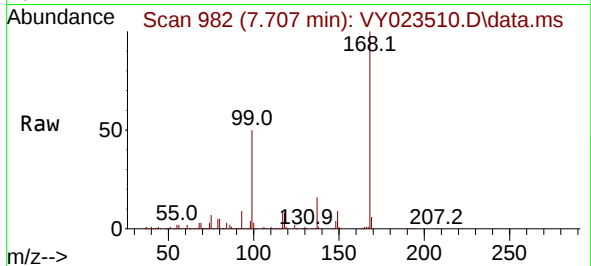




#31
Cyclohexane
Concen: 1.297 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023510.D
Acq: 20 Oct 2025 15:46

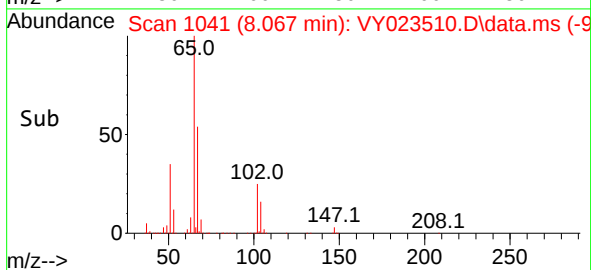
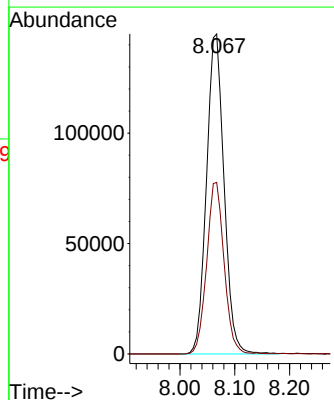
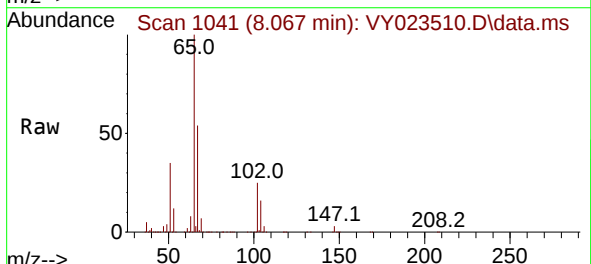
Instrument :
MSVOA_Y
ClientSampleId :

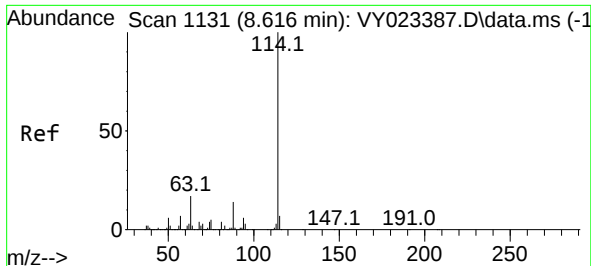
Tgt Ion: 56 Resp: 12348
Ion Ratio Lower Upper
56 100
69 155.2 30.0 45.0#
84 140.4 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 56.177 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023510.D
Acq: 20 Oct 2025 15:46

Tgt Ion: 65 Resp: 321622
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023510.D

Acq: 20 Oct 2025 15:46

Instrument :

MSVOA_Y

ClientSampleId :

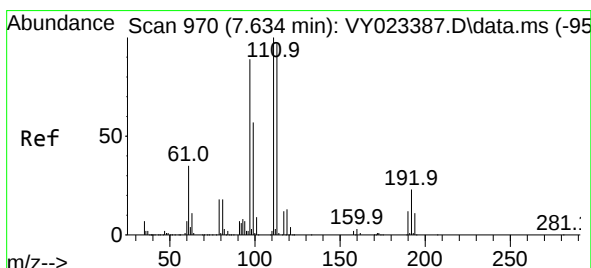
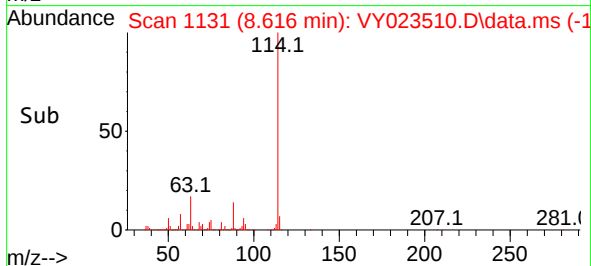
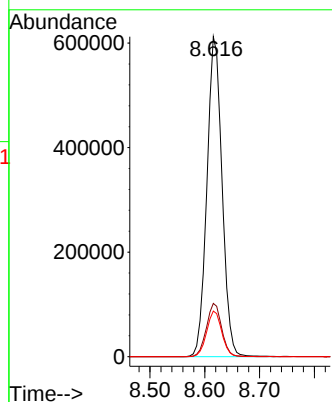
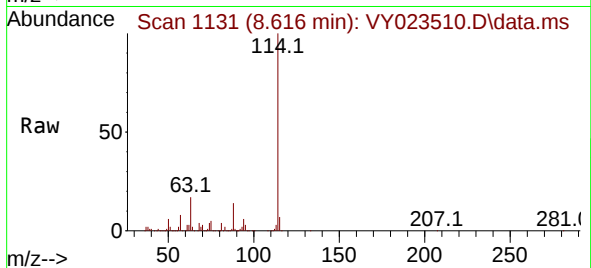
Tgt Ion:114 Resp: 1170618

Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.2

88 14.3 0.0 28.4



#35

Dibromofluoromethane

Concen: 52.322 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023510.D

Acq: 20 Oct 2025 15:46

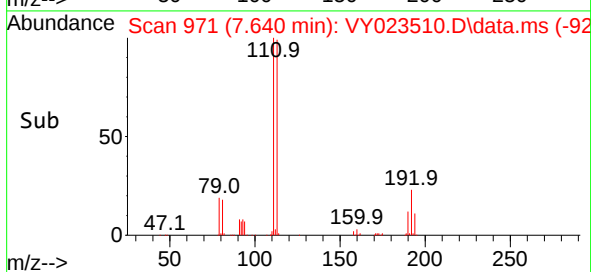
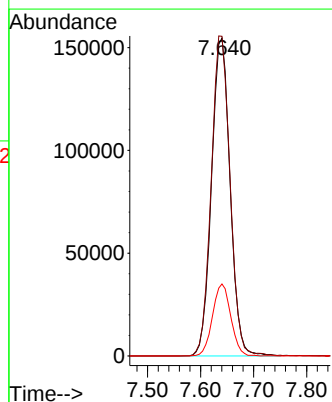
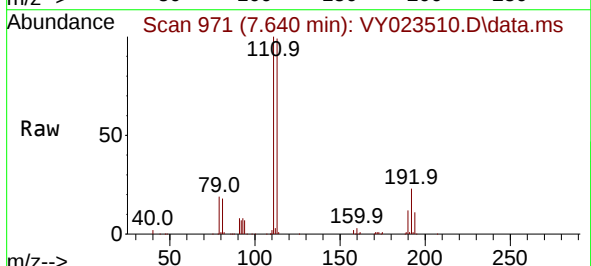
Tgt Ion:113 Resp: 376347

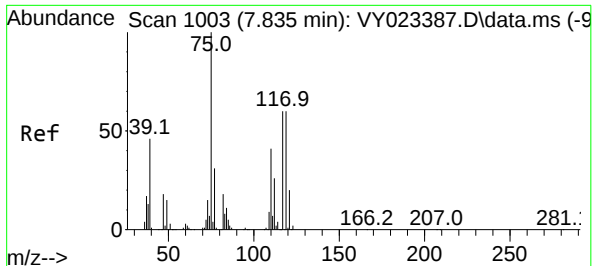
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

192 22.3 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.837 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023510.D

Acq: 20 Oct 2025 15:46

Instrument :

MSVOA_Y

ClientSampleId :

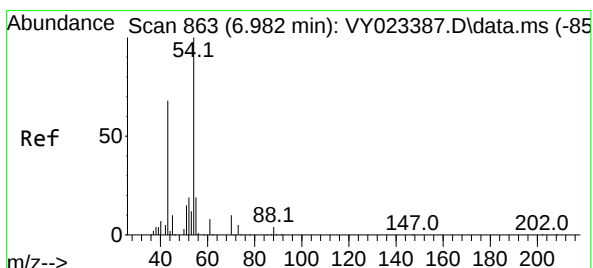
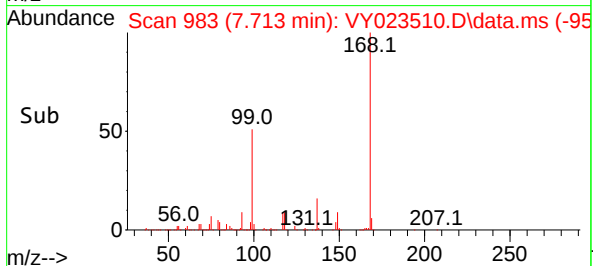
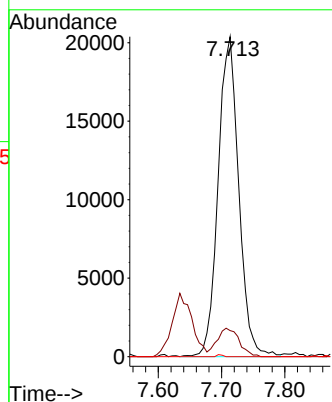
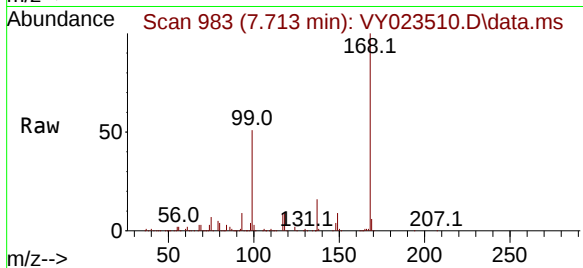
Tgt Ion: 75 Resp: 46059

Ion Ratio Lower Upper

75 100

110 9.6 19.9 59.7#

77 0.2 25.0 37.6#



#37

Ethyl Acetate

Concen: 3.532 ug/l

RT: 6.903 min Scan# 850

Delta R.T. -0.079 min

Lab File: VY023510.D

Acq: 20 Oct 2025 15:46

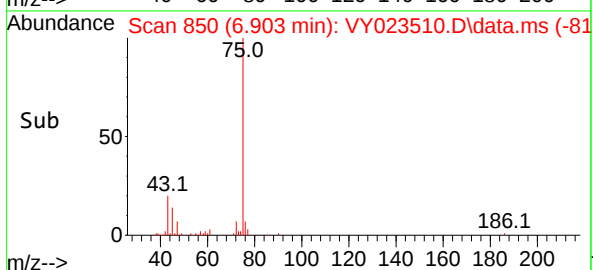
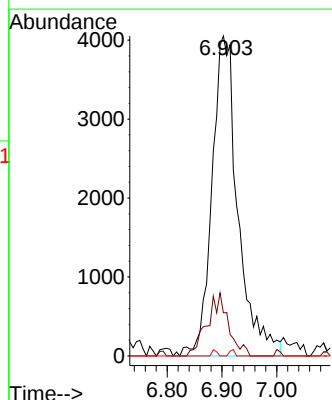
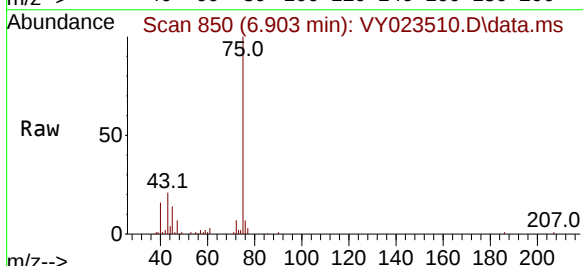
Tgt Ion: 43 Resp: 13326

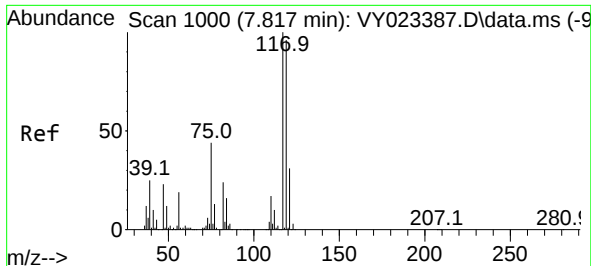
Ion Ratio Lower Upper

43 100

61 16.1 11.8 17.8

70 0.4 10.5 15.7#

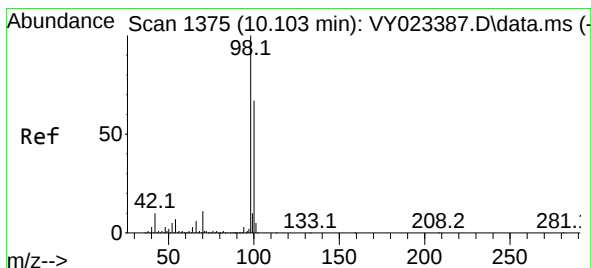
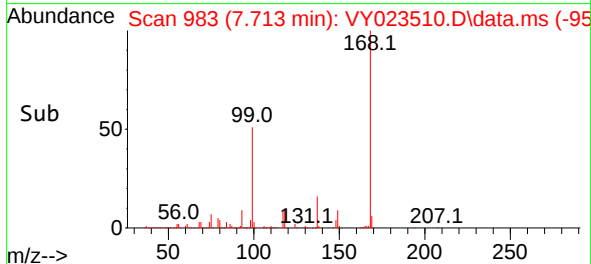
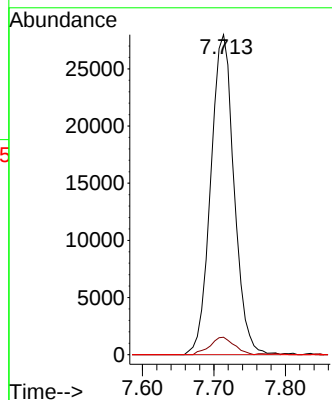
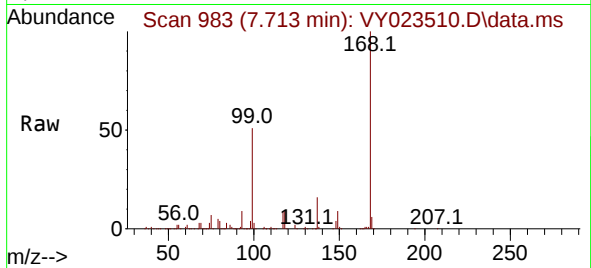




#38
Carbon Tetrachloride
Concen: 5.491 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023510.D
Acq: 20 Oct 2025 15:46

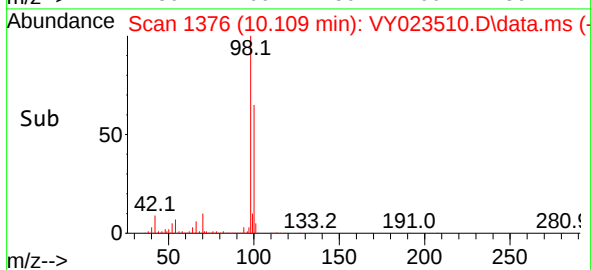
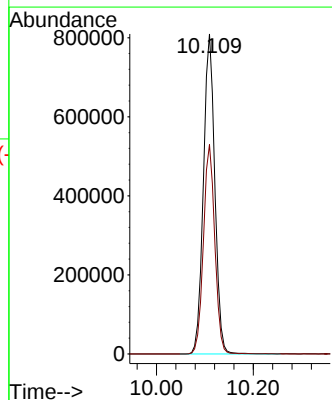
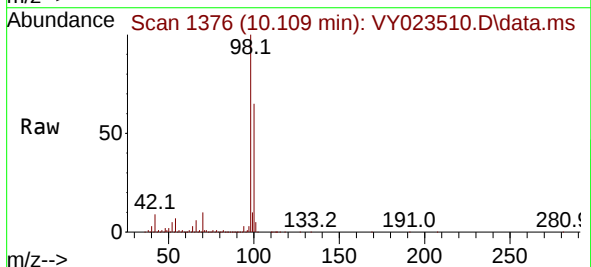
Instrument :
MSVOA_Y
ClientSampleId :

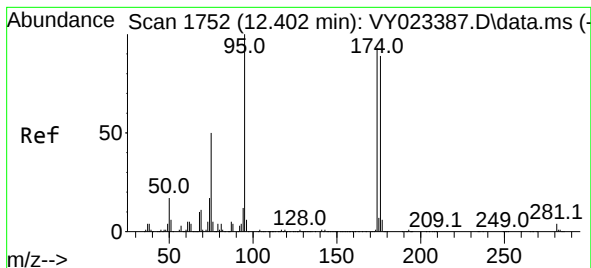
Tgt Ion:117 Resp: 63401
Ion Ratio Lower Upper
117 100
119 5.4 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.503 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023510.D
Acq: 20 Oct 2025 15:46

Tgt Ion: 98 Resp: 1326026
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4

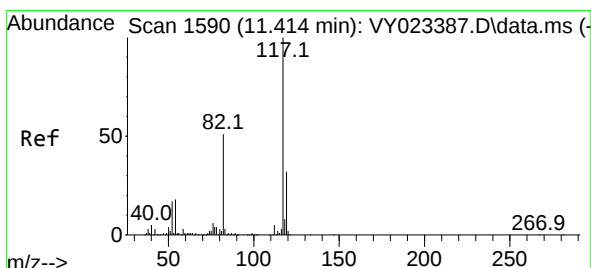
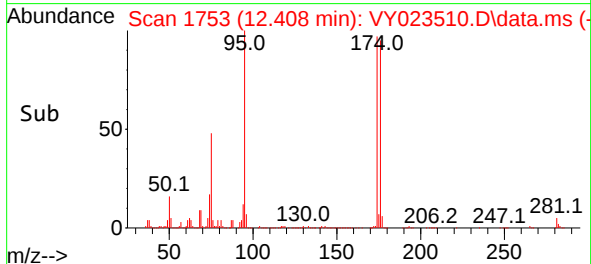
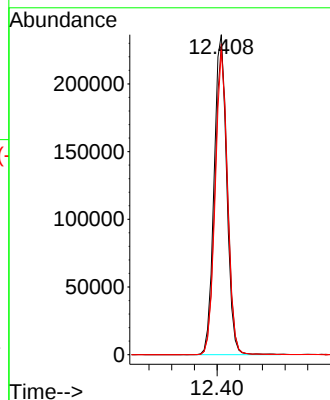
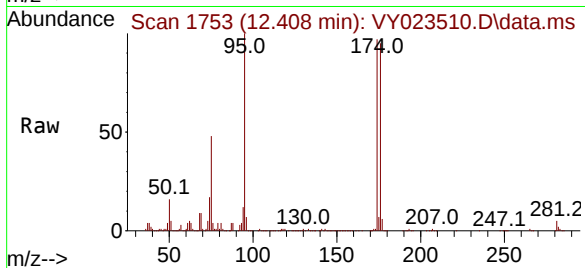




#62
4-Bromofluorobenzene
Concen: 41.312 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023510.D
Acq: 20 Oct 2025 15:46

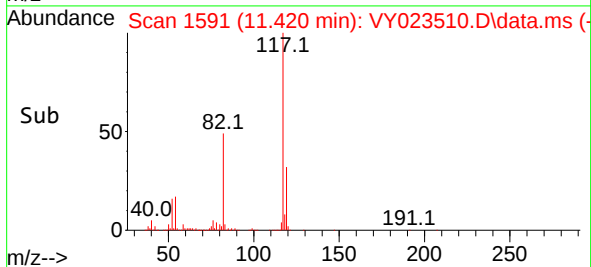
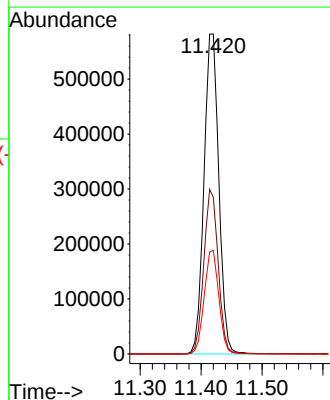
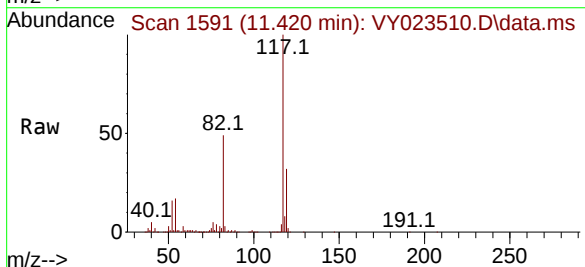
Instrument :
MSVOA_Y
ClientSampleId :

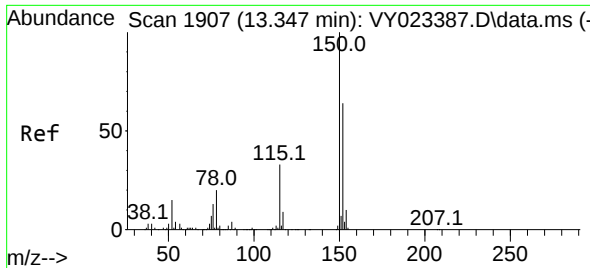
Tgt Ion: 95 Resp: 365353
Ion Ratio Lower Upper
95 100
174 95.9 0.0 192.8
176 92.1 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023510.D
Acq: 20 Oct 2025 15:46

Tgt Ion: 117 Resp: 985546
Ion Ratio Lower Upper
117 100
82 49.0 41.0 61.4
119 32.4 25.6 38.4

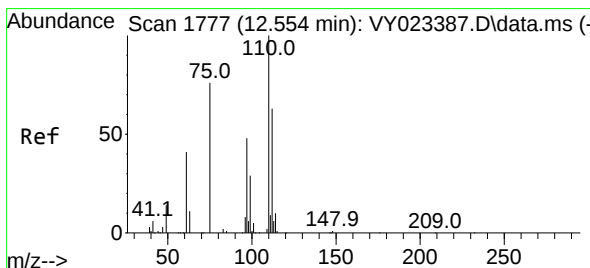
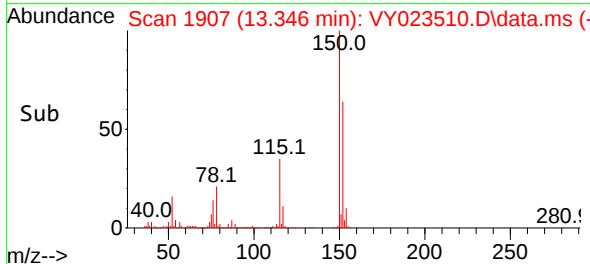
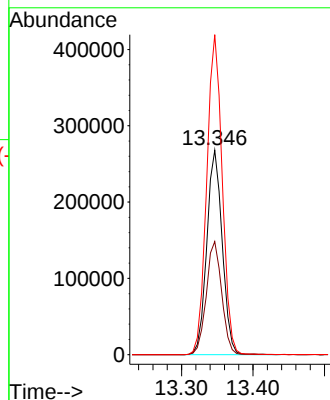
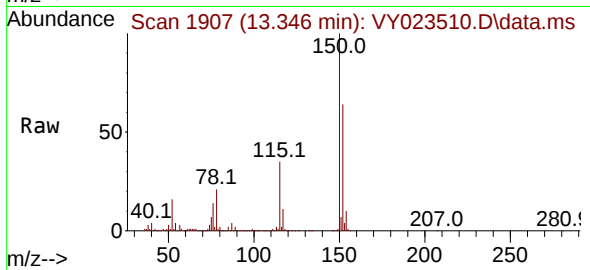




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023510.D
 Acq: 20 Oct 2025 15:46

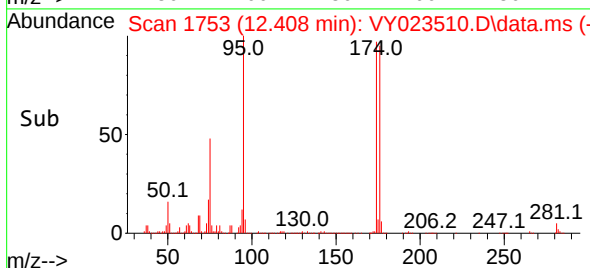
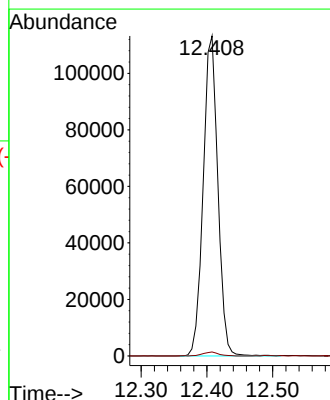
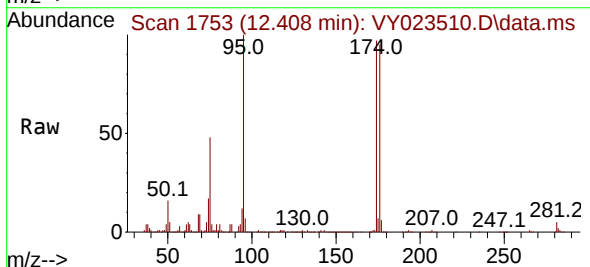
Instrument :
 MSVOA_Y
 ClientSampleId :

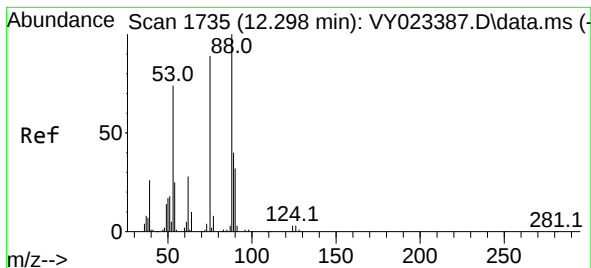
Tgt Ion:152 Resp: 402440
 Ion Ratio Lower Upper
 152 100
 115 55.4 27.1 81.2
 150 157.1 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 49.374 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023510.D
 Acq: 20 Oct 2025 15:46

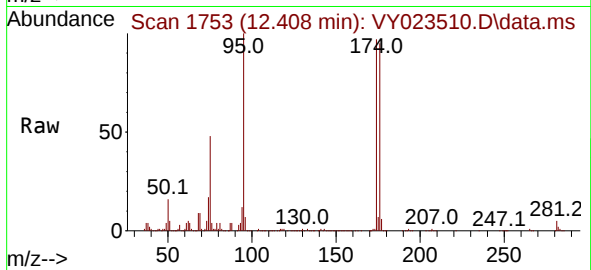
Tgt Ion: 75 Resp: 175306
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.074 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023510.D
 Acq: 20 Oct 2025 15:46

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 175306
 Ion Ratio Lower Upper
 75 100
 53 0.4 68.6 102.8#
 89 0.1 39.0 58.4#

