

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
 Data File : VY021552.D
 Acq On : 17 Mar 2025 15:55
 Operator : SY/MD
 Sample : Q1574-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 01:27:45 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)

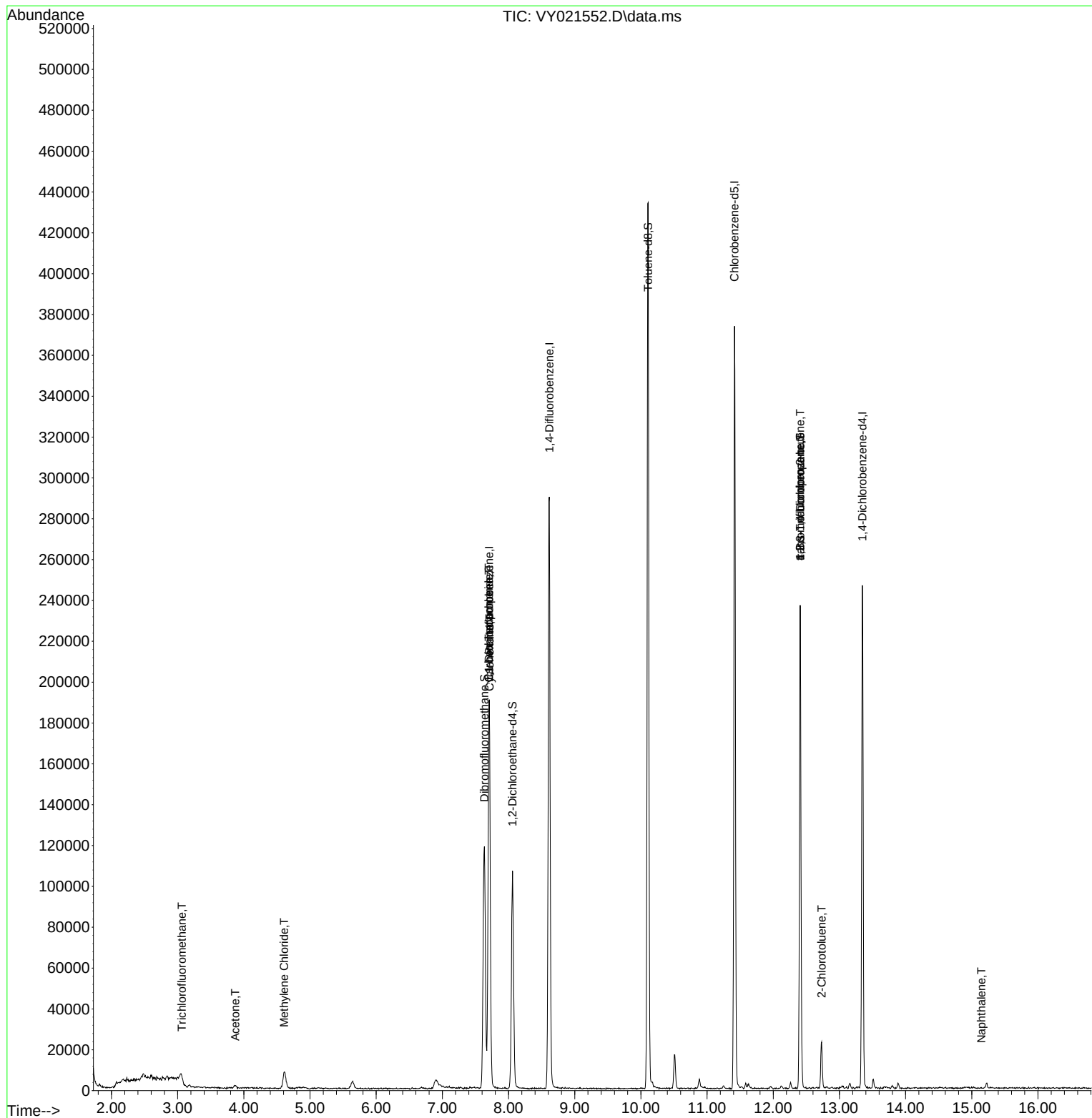
Internal Standards						
1) Pentafluorobenzene	7.707	168	140963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	240910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	190816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	59425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	81431	54.656	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.320%	
35) Dibromofluoromethane	7.634	113	85268	53.847	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.700%	
50) Toluene-d8	10.109	98	281376	46.929	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.860%	
62) 4-Bromofluorobenzene	12.408	95	66934	32.819	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 65.640%	
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.062	101	4547	1.635	ug/l #	81
11) Tert butyl alcohol	4.824	59	412	Below Cal	#	72
16) Acetone	3.873	43	2142	6.592	ug/l #	89
20) Methylene Chloride	4.610	84	5855	3.432	ug/l #	91
31) Cyclohexane	7.713	56	3345	1.199	ug/l #	29
36) 1,1-Dichloropropene	7.701	75	12527	5.054	ug/l #	51
38) Carbon Tetrachloride	7.701	117	14129	4.956	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	36696	61.281	ug/l #	100
79) 2-Chlorotoluene	12.731	91	3863	1.188	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.408	75	36696	139.311	ug/l #	9
95) Naphthalene	15.145	128	347	1.664	ug/l #	69

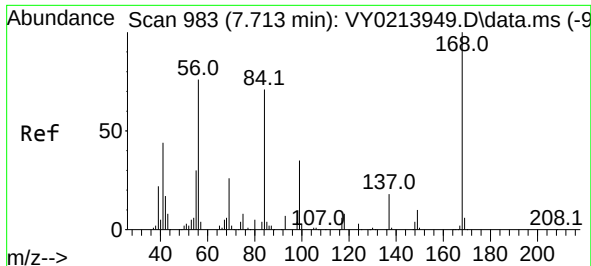
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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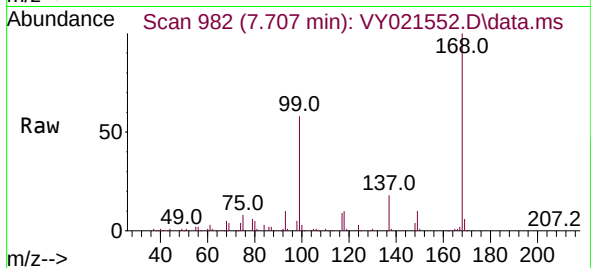
Quant Time: Mar 18 01:27:45 2025
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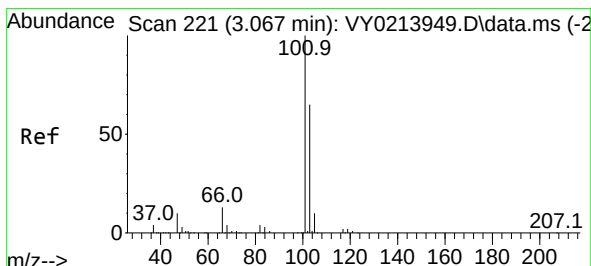
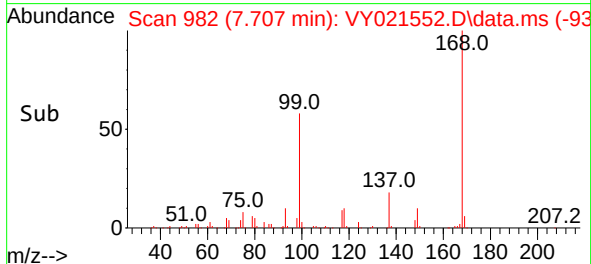
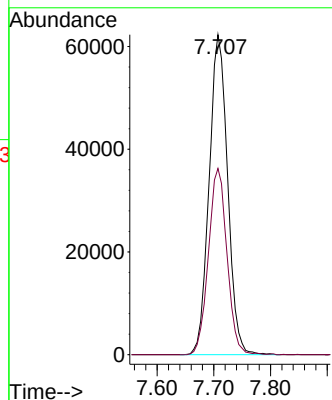


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :

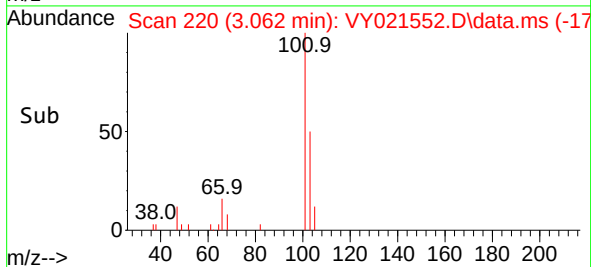
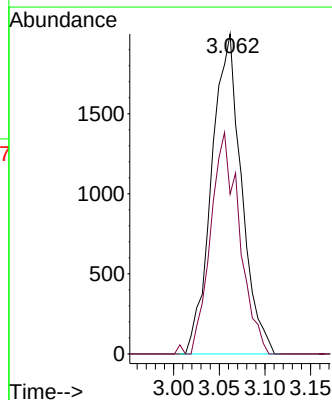
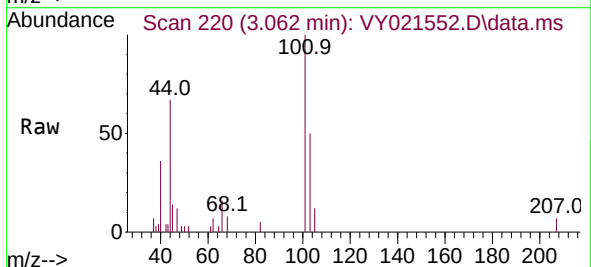


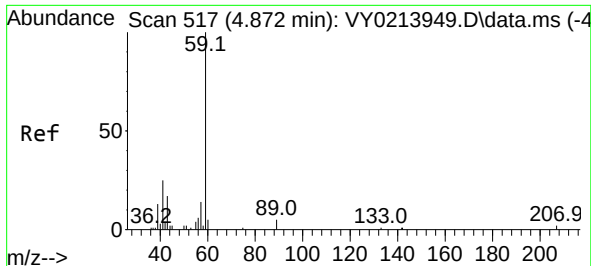
Tgt Ion:168 Resp: 140963
Ion Ratio Lower Upper
168 100
99 58.2 46.0 69.0



#7
Trichlorofluoromethane
Concen: 1.635 ug/l
RT: 3.062 min Scan# 220
Delta R.T. -0.006 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

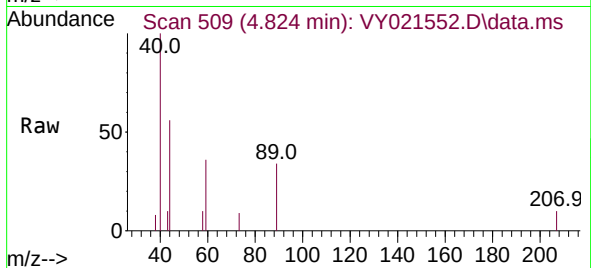
Tgt Ion:101 Resp: 4547
Ion Ratio Lower Upper
101 100
103 49.9 51.7 77.5#



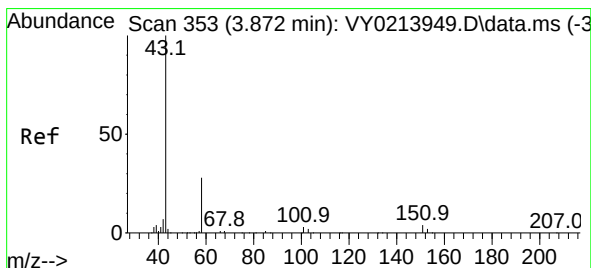
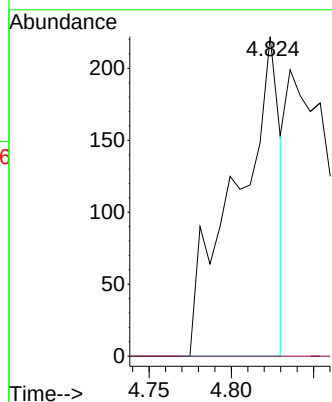
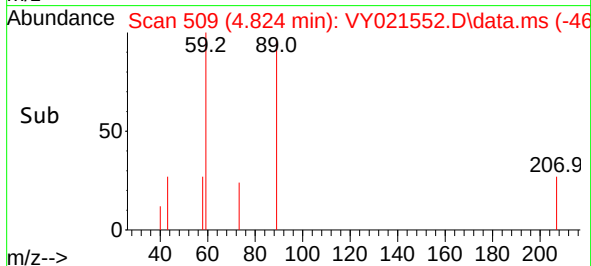


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.824 min Scan# 509
Delta R.T. -0.048 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :

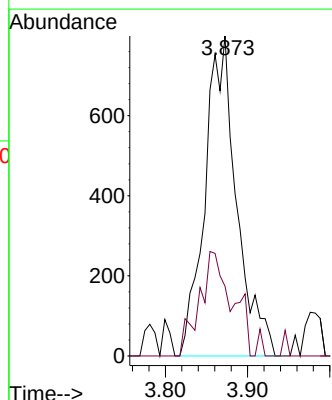
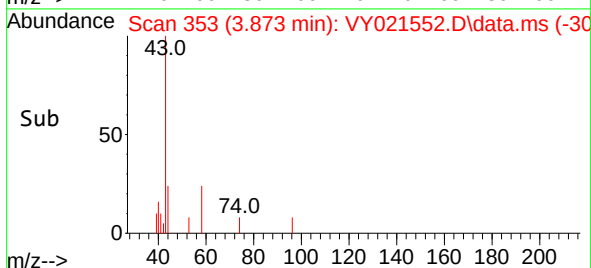
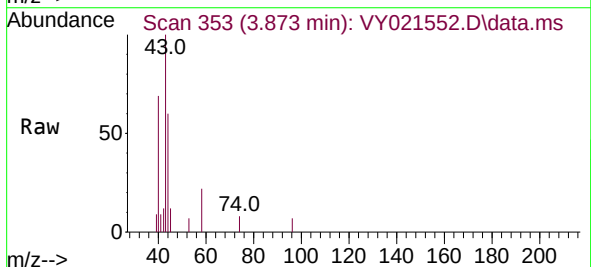


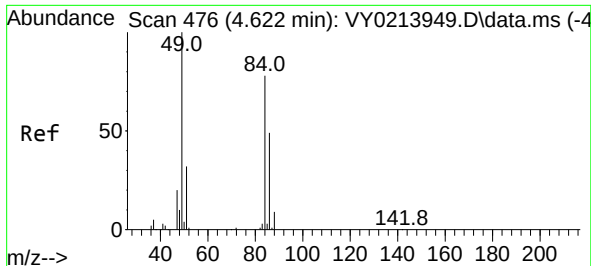
Tgt Ion: 59 Resp: 412
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 6.592 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.001 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

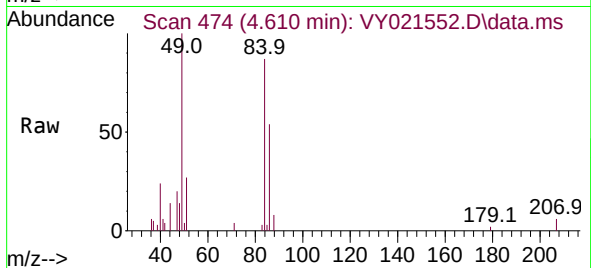
Tgt Ion: 43 Resp: 2142
Ion Ratio Lower Upper
43 100
58 21.8 22.1 33.1#



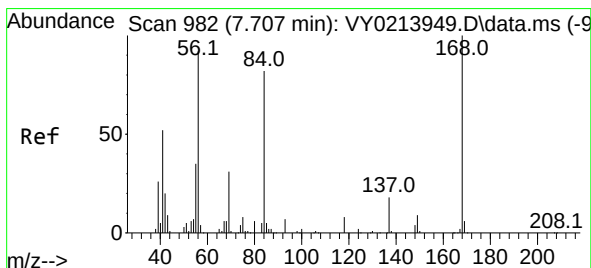
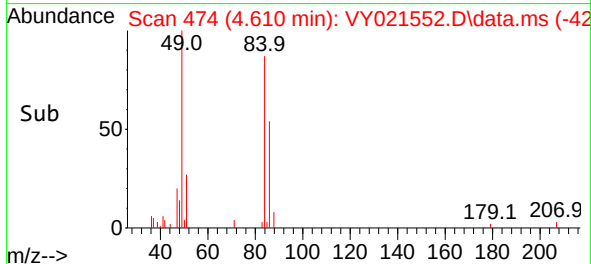
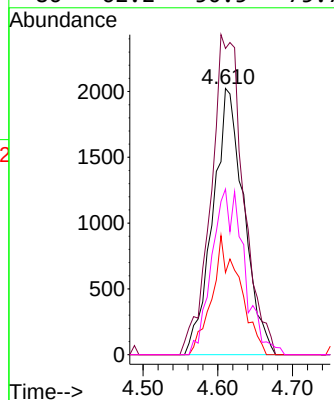


#20
Methylene Chloride
Concen: 3.432 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :

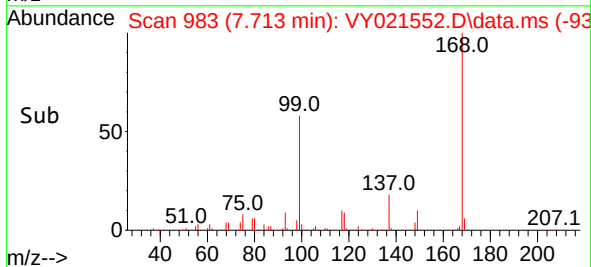
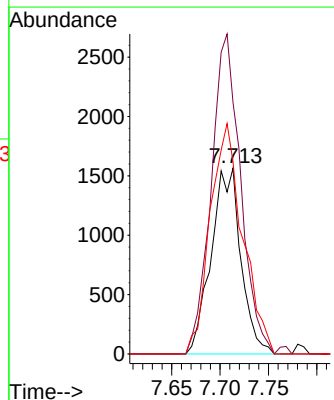
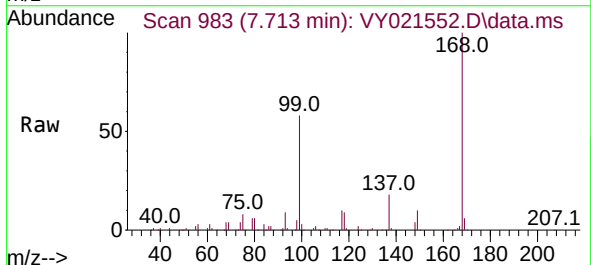


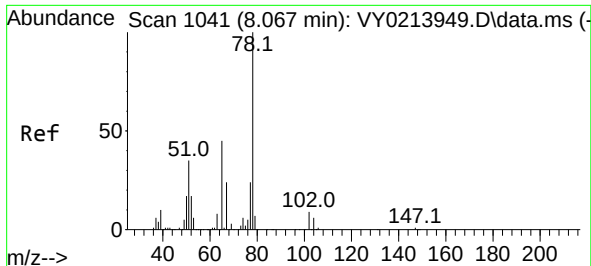
Tgt Ion:	84	Resp:	5855
Ion	Ratio	Lower	Upper
84	100		
49	115.0	102.0	153.0
51	30.8	33.0	49.6#
86	62.2	50.5	75.7



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Tgt Ion:	56	Resp:	3345
Ion	Ratio	Lower	Upper
56	100		
69	135.5	27.0	40.4#
84	117.7	71.1	106.7#





#33

1,2-Dichloroethane-d4

Concen: 54.656 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021552.D

Acq: 17 Mar 2025 15:55

Instrument :

MSVOA_Y

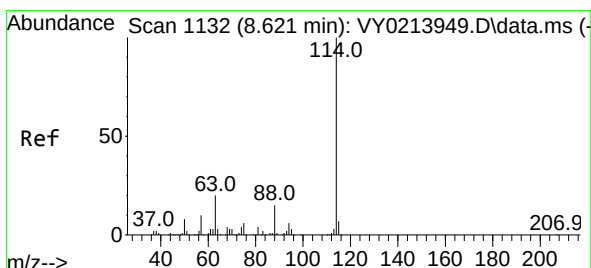
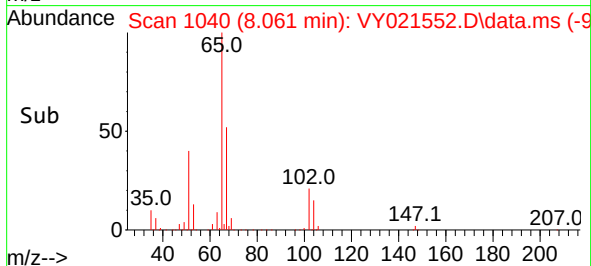
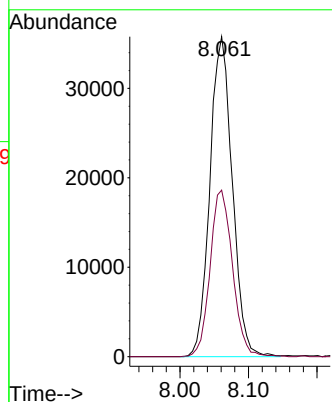
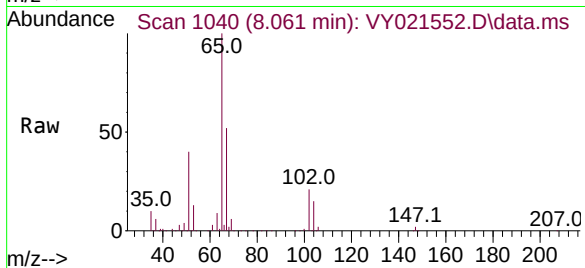
ClientSampleId :

Tgt Ion: 65 Resp: 81431

Ion Ratio Lower Upper

65 100

67 52.1 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: VY021552.D

Acq: 17 Mar 2025 15:55

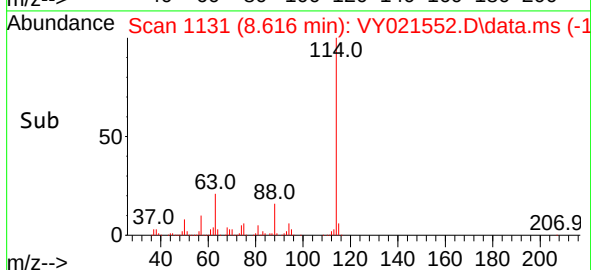
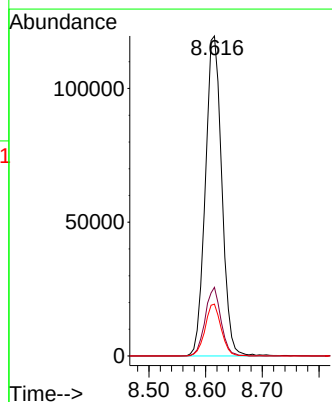
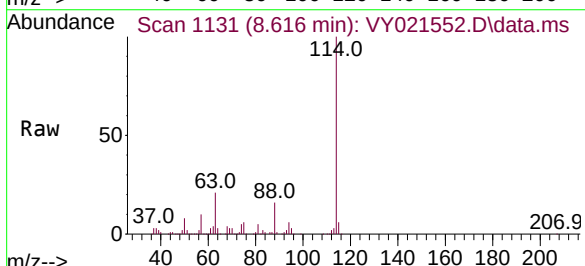
Tgt Ion: 114 Resp: 240910

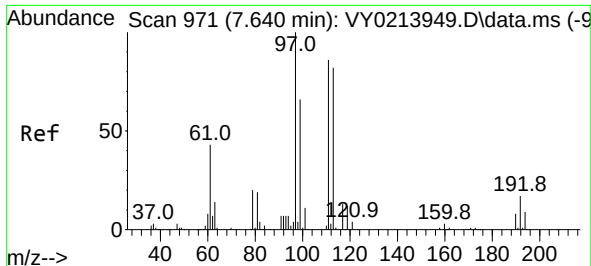
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.8

88 16.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.847 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021552.D

Acq: 17 Mar 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

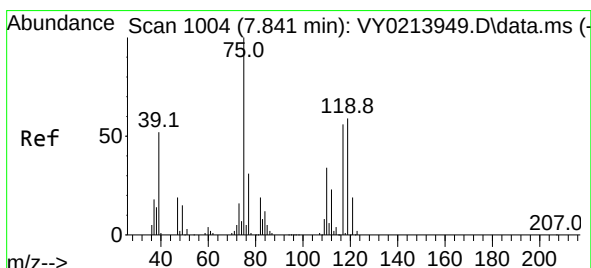
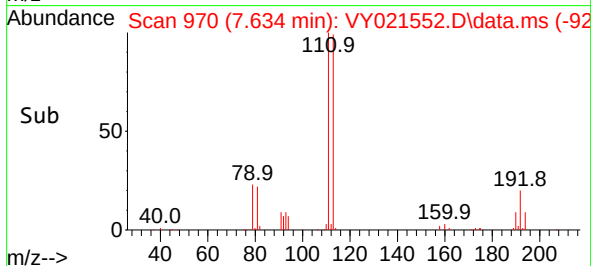
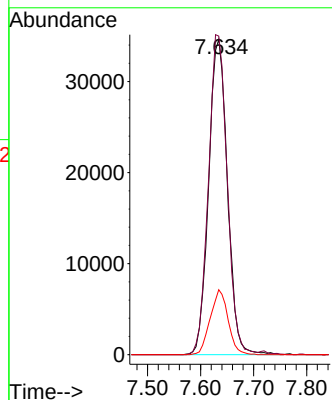
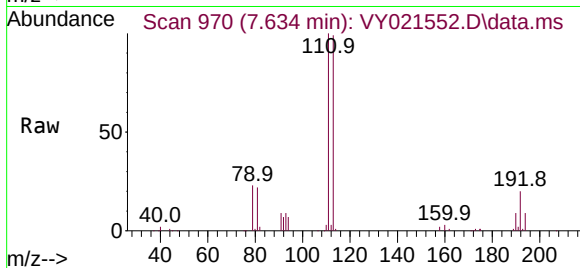
Tgt Ion:113 Resp: 85268

Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

192 19.6 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.054 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY021552.D

Acq: 17 Mar 2025 15:55

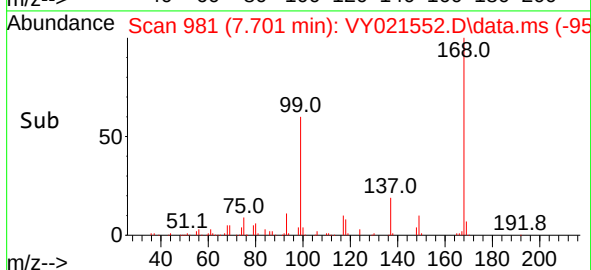
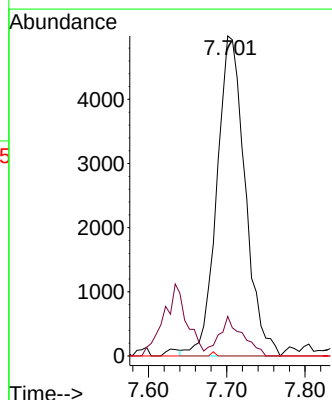
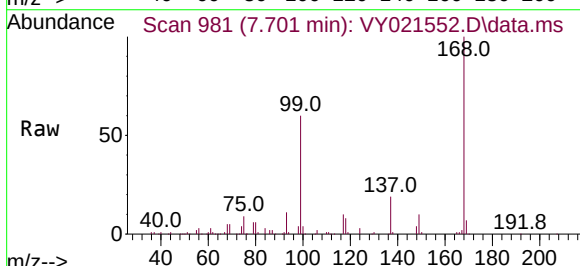
Tgt Ion: 75 Resp: 12527

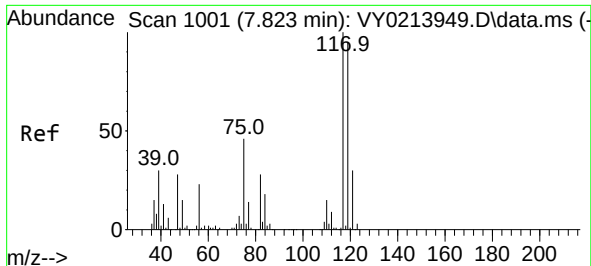
Ion Ratio Lower Upper

75 100

110 10.2 17.3 51.7#

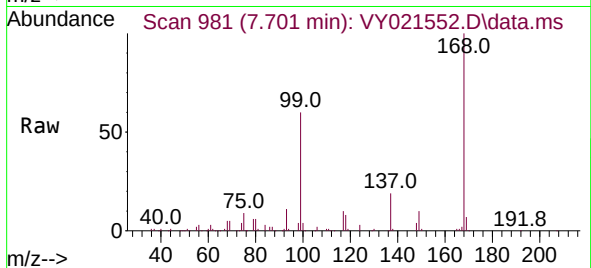
77 0.2 25.4 38.2#



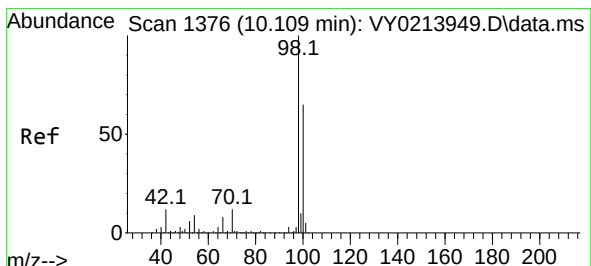
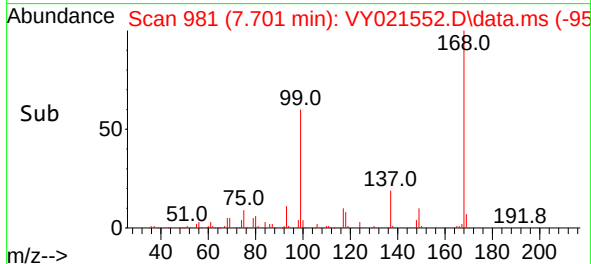
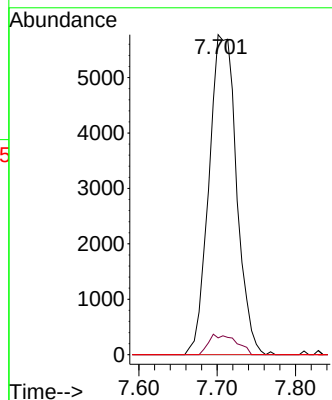


#38
Carbon Tetrachloride
Concen: 4.956 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :

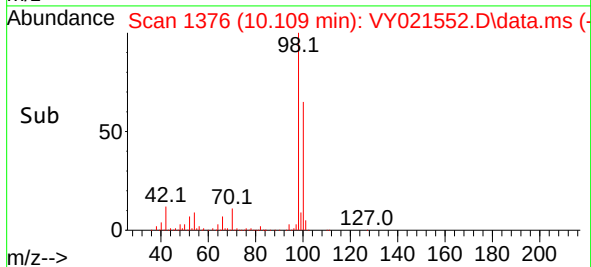
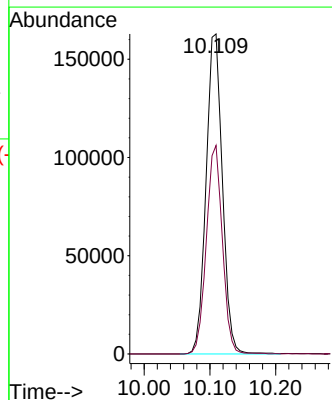
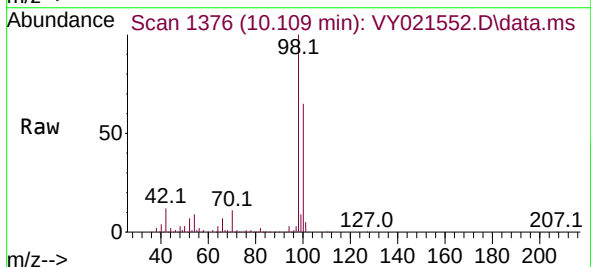


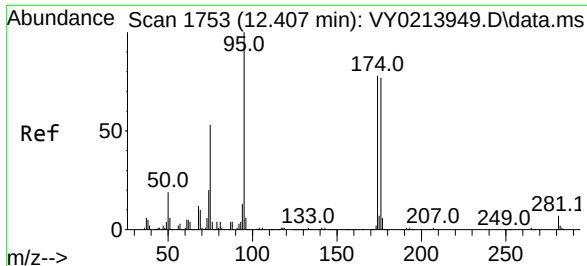
Tgt Ion:117 Resp: 14129
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.8#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 46.929 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Tgt Ion: 98 Resp: 281376
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1

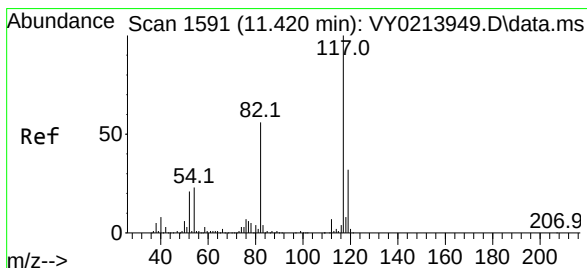
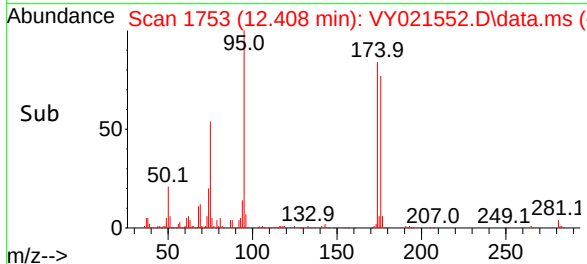
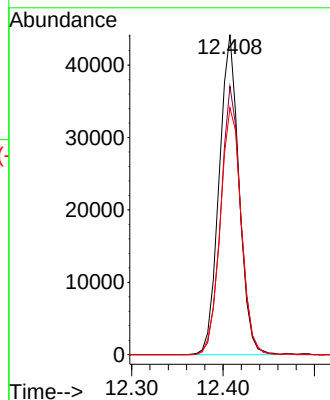
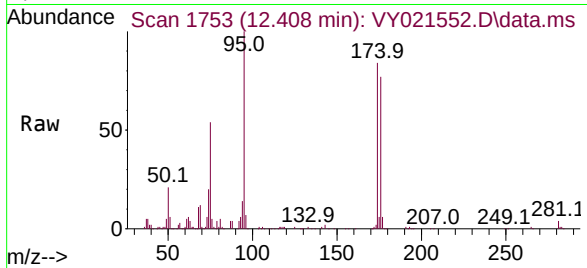




#62
4-Bromofluorobenzene
Concen: 32.819 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

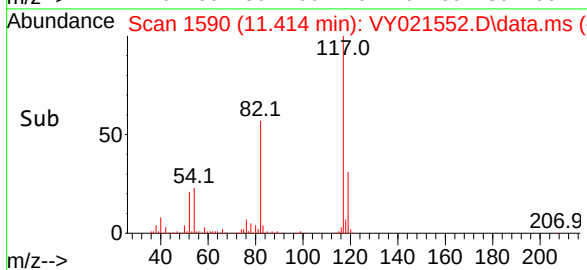
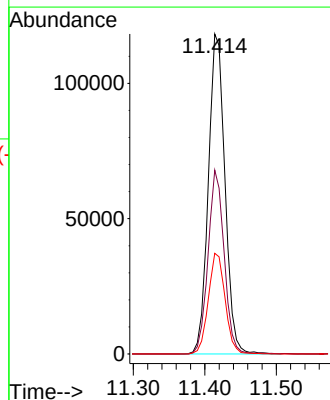
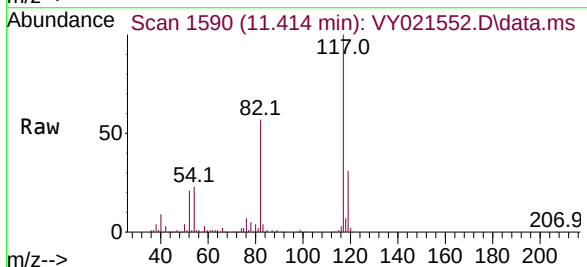
Instrument :
MSVOA_Y
ClientSampleId :

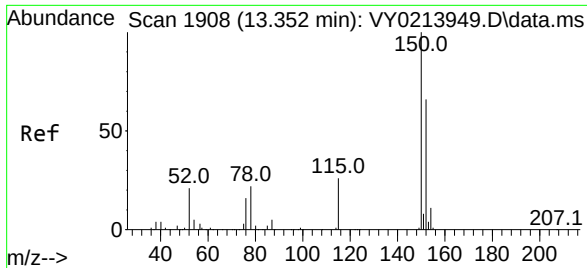
Tgt Ion: 95 Resp: 66934
Ion Ratio Lower Upper
95 100
174 83.7 0.0 165.0
176 81.2 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

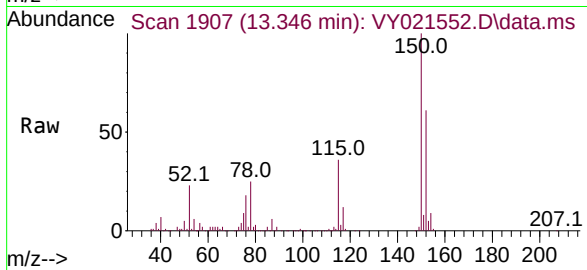
Tgt Ion: 117 Resp: 190816
Ion Ratio Lower Upper
117 100
82 57.4 44.6 67.0
119 31.5 25.4 38.0



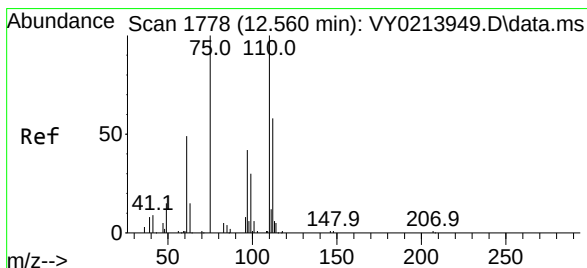
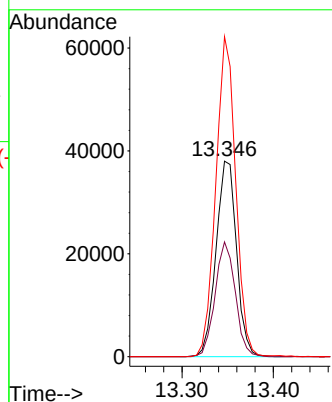
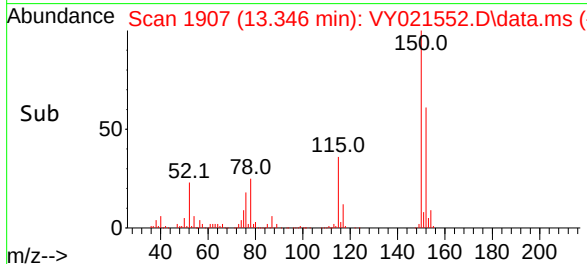


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021552.D
 Acq: 17 Mar 2025 15:55

Instrument :
 MSVOA_Y
 ClientSampleId :

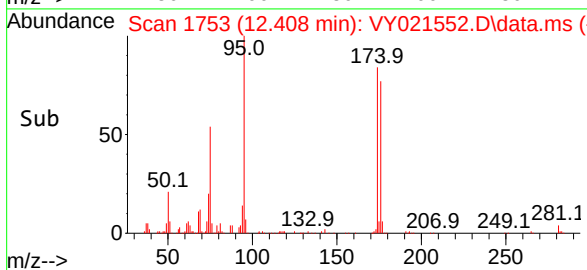
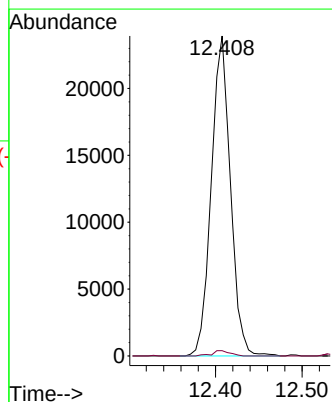
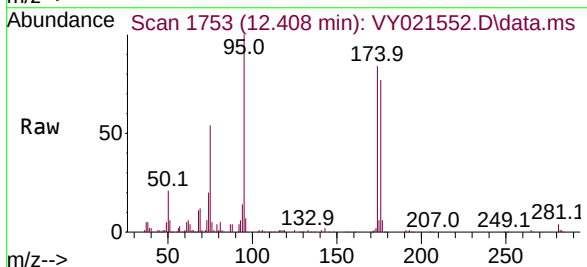


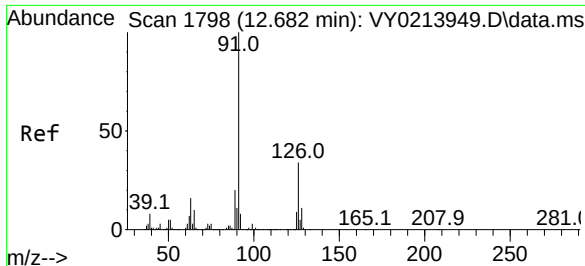
Tgt Ion:152 Resp: 59425
 Ion Ratio Lower Upper
 152 100
 115 57.5 29.0 87.0
 150 158.6 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 61.281 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021552.D
 Acq: 17 Mar 2025 15:55

Tgt Ion: 75 Resp: 36696
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

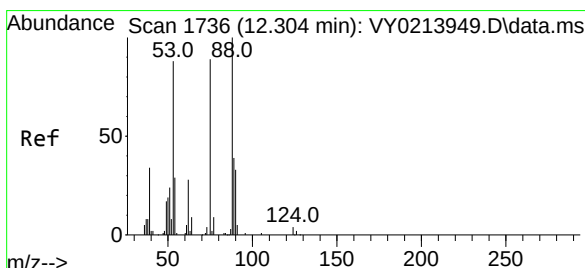
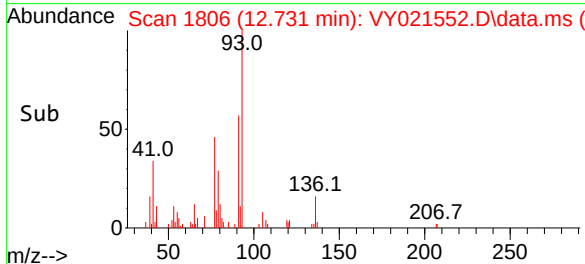
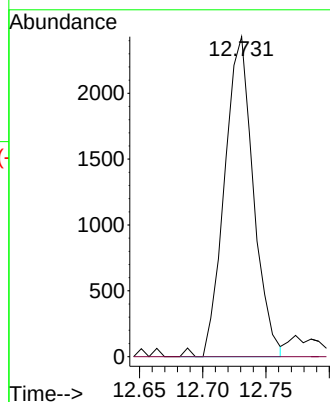
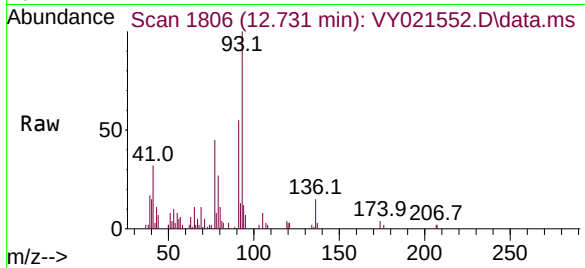




#79
2-Chlorotoluene
Concen: 1.188 ug/l
RT: 12.731 min Scan# 1753
Delta R.T. 0.049 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

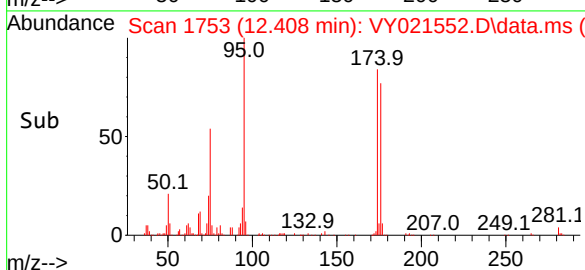
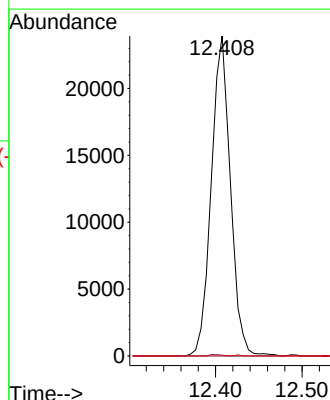
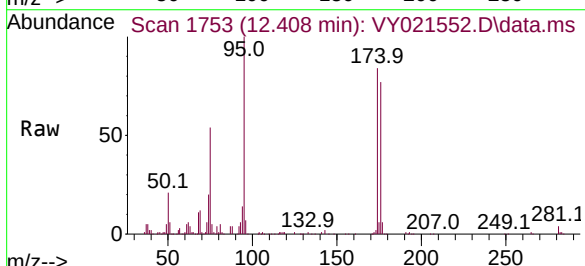
Instrument :
MSVOA_Y
ClientSampleId :

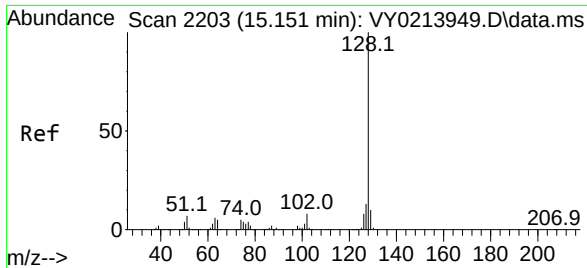
Tgt Ion: 91 Resp: 3863
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.311 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

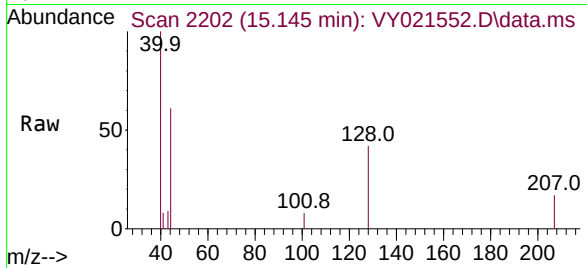
Tgt Ion: 75 Resp: 36696
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.0 36.9 55.3#





#95
 Naphthalene
 Concen: 1.664 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY021552.D
 Acq: 17 Mar 2025 15:55

Instrument :
 MSVOA_Y
 ClientSampleId :



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

