

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021430.D
 Acq On : 06 Mar 2025 13:28
 Operator : SY/MD
 Sample : Q1489-05
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Quant Time: Mar 07 00:39:41 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)

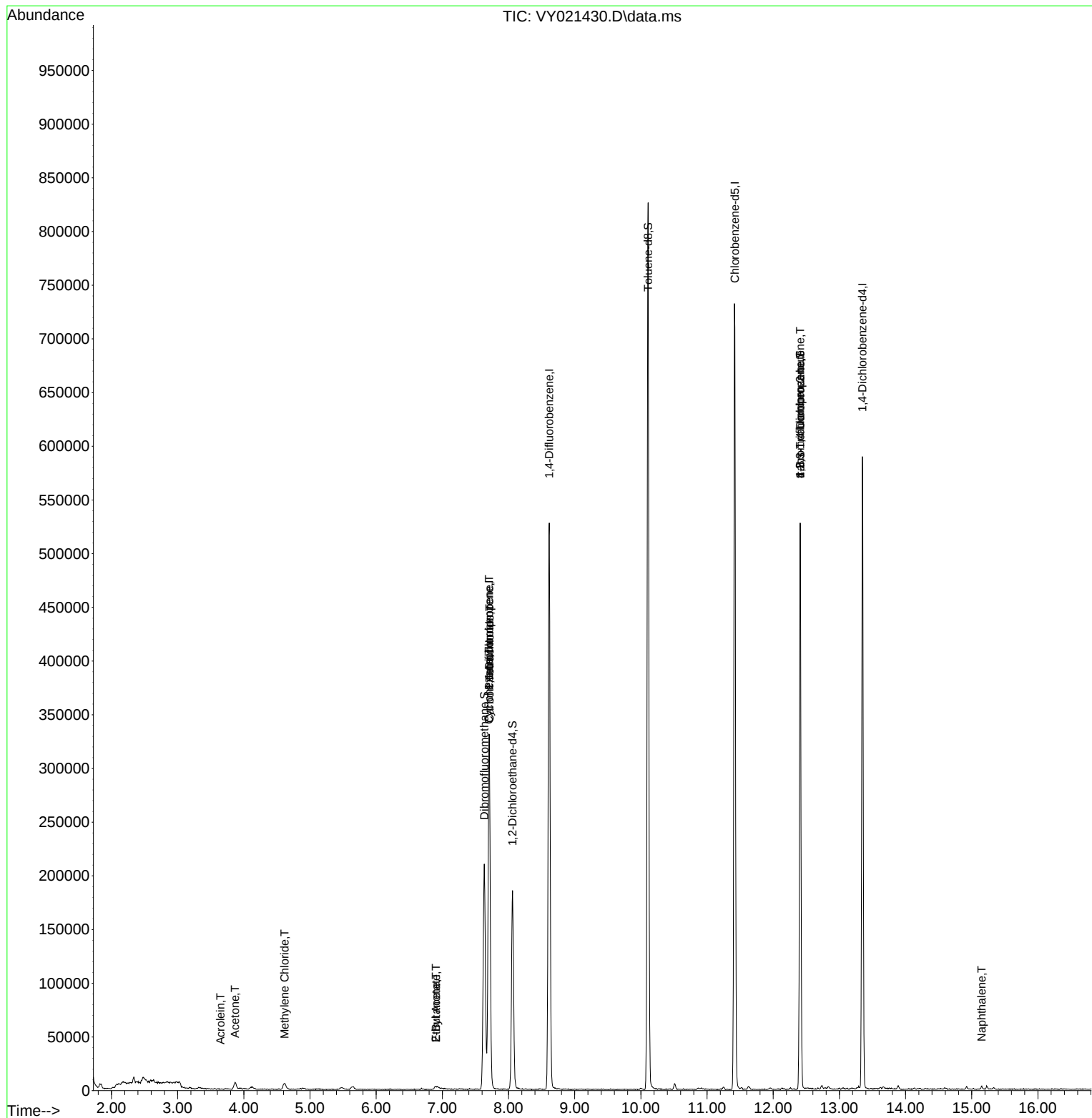
Internal Standards						
1) Pentafluorobenzene	7.707	168	243813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	435486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	374607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	145303	56.386	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.780%			
35) Dibromofluoromethane	7.634	113	144464	50.468	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.940%			
50) Toluene-d8	10.109	98	526418	48.570	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.140%			
62) 4-Bromofluorobenzene	12.408	95	152293	41.308	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.620%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.854	59	684	Below Cal	#	72
13) Acrolein	3.647	56	224	1.709	ug/l #	19
16) Acetone	3.866	43	10904	19.400	ug/l	94
20) Methylene Chloride	4.616	84	3972	1.346	ug/l	91
25) 2-Butanone	6.902	43	4024	5.176	ug/l #	86
31) Cyclohexane	7.701	56	5967	1.236	ug/l #	40
36) 1,1-Dichloropropene	7.707	75	21297	4.753	ug/l #	49
37) Ethyl Acetate	6.902	43	4024	2.032	ug/l #	70
38) Carbon Tetrachloride	7.713	117	25346	4.919	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	82188	58.827	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	82188	133.733	ug/l #	9
95) Naphthalene	15.151	128	2029	1.989	ug/l #	90

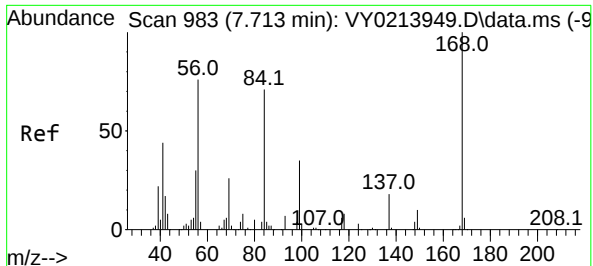
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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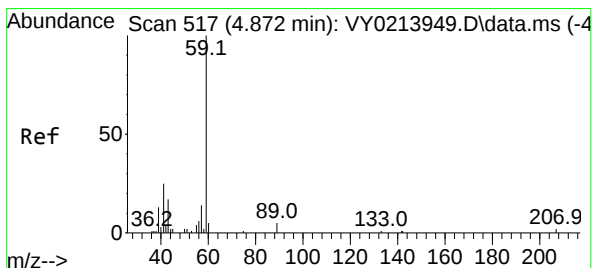
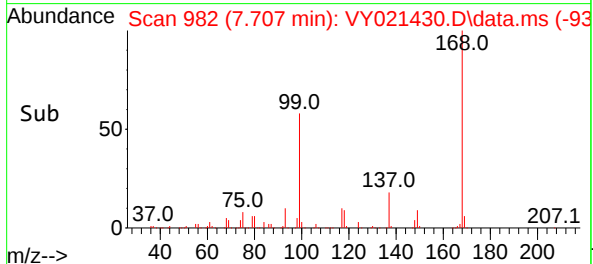
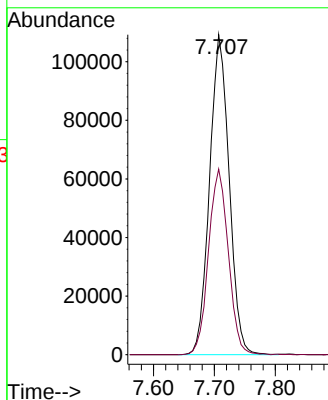
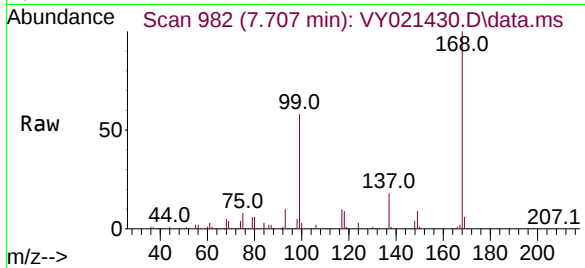




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021430.D
Acq: 06 Mar 2025 13:28

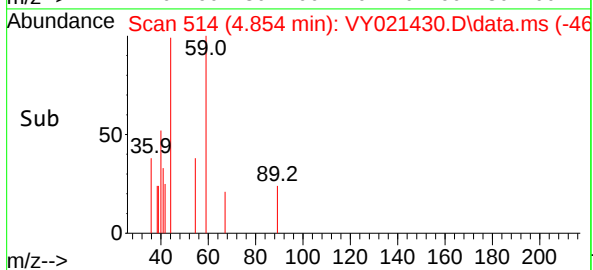
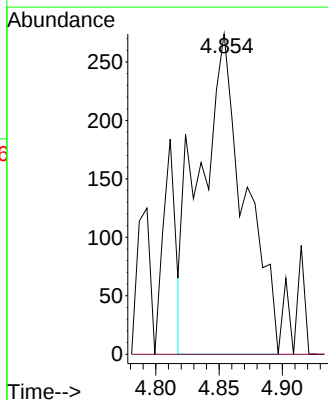
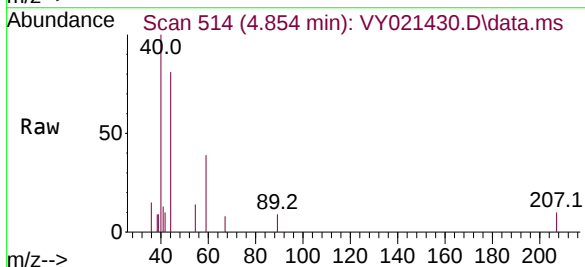
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

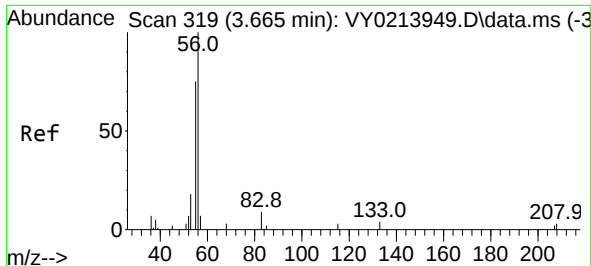
Tgt Ion:168 Resp: 243813
Ion Ratio Lower Upper
168 100
99 58.0 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.854 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY021430.D
Acq: 06 Mar 2025 13:28

Tgt Ion: 59 Resp: 684
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

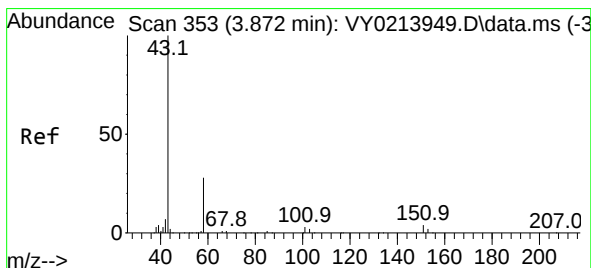
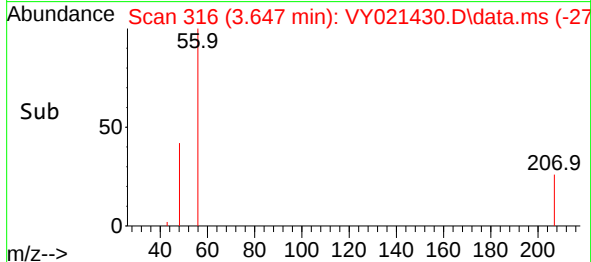
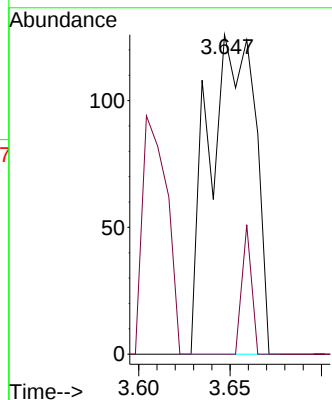
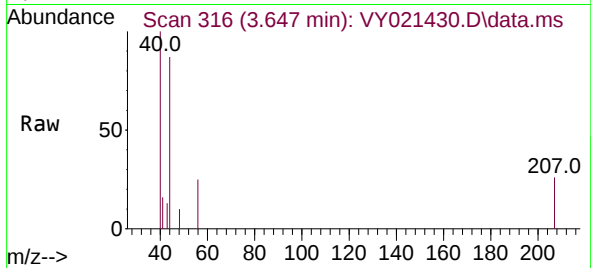




#13
Acrolein
Concen: 1.709 ug/l
RT: 3.647 min Scan# 319
Delta R.T. -0.018 min
Lab File: VY021430.D
Acq: 06 Mar 2025 13:28

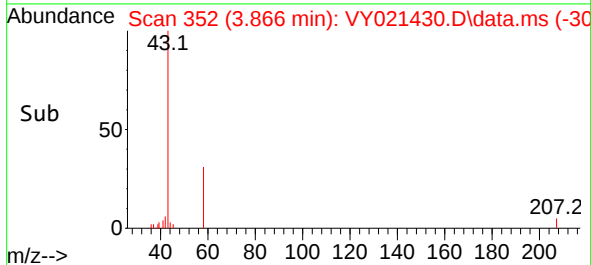
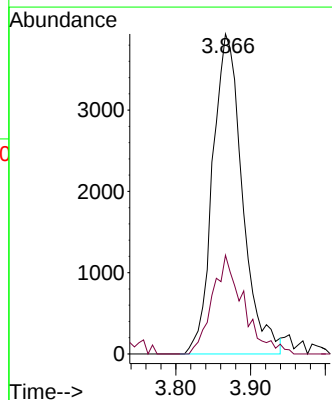
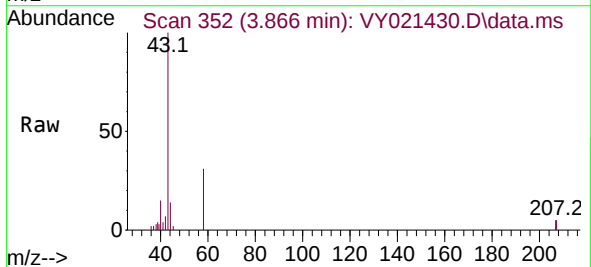
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

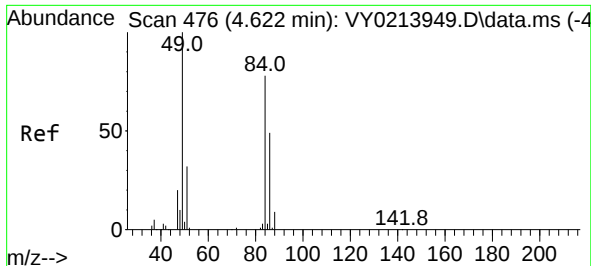
Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 8.5 63.4 95.2#



#16
Acetone
Concen: 19.400 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021430.D
Acq: 06 Mar 2025 13:28

Tgt Ion: 43 Resp: 10904
Ion Ratio Lower Upper
43 100
58 30.8 22.1 33.1





#20

Methylene Chloride

Concen: 1.346 ug/l

RT: 4.616 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY021430.D

Acq: 06 Mar 2025 13:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

Tgt Ion: 84 Resp: 3972

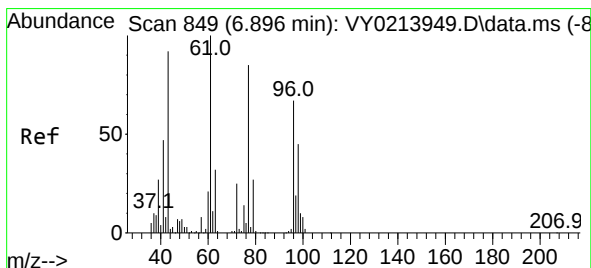
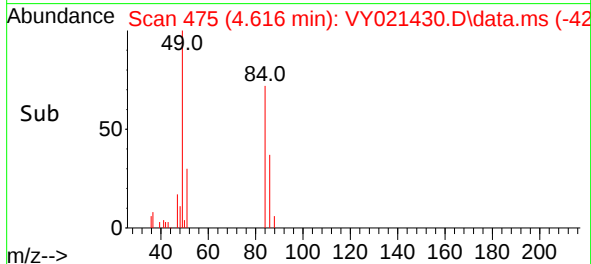
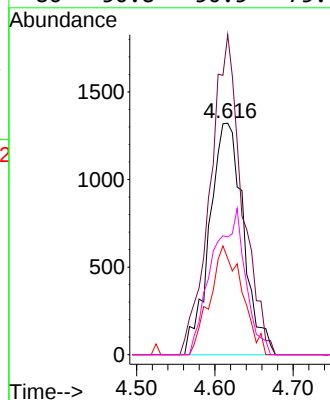
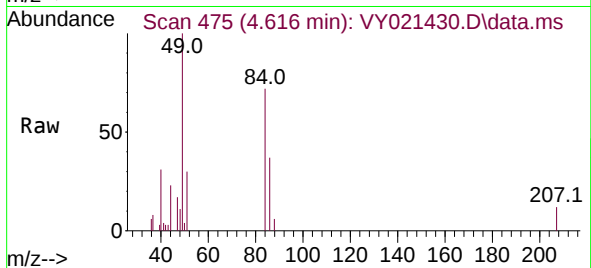
Ion Ratio Lower Upper

84 100

49 138.2 102.0 153.0

51 41.5 33.0 49.6

86 50.8 50.5 75.7



#25

2-Butanone

Concen: 5.176 ug/l

RT: 6.902 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY021430.D

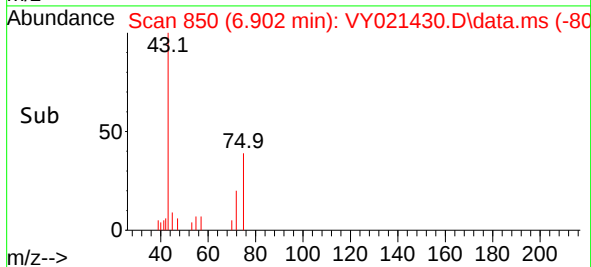
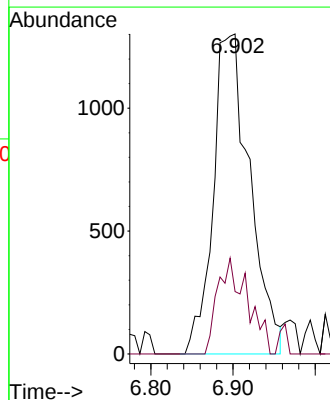
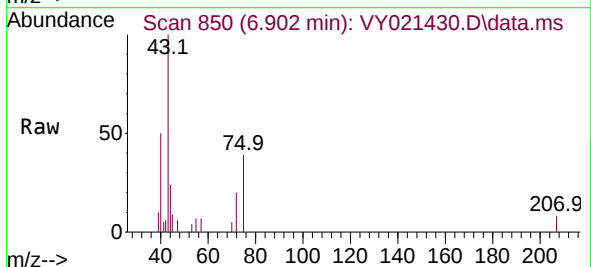
Acq: 06 Mar 2025 13:28

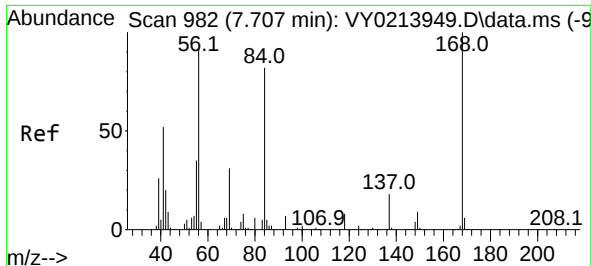
Tgt Ion: 43 Resp: 4024

Ion Ratio Lower Upper

43 100

72 19.5 21.4 32.0#

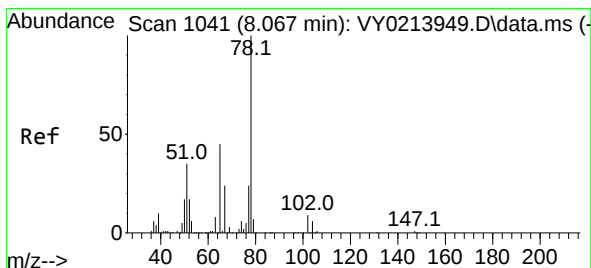
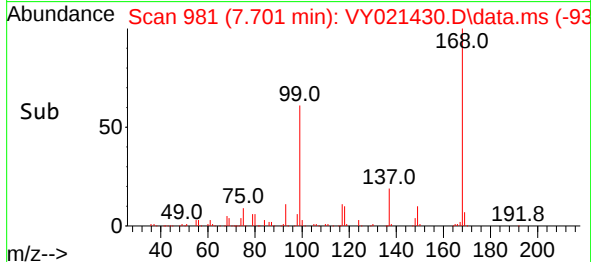
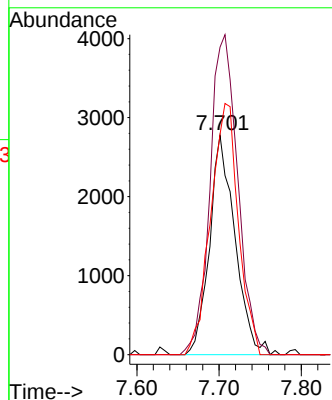
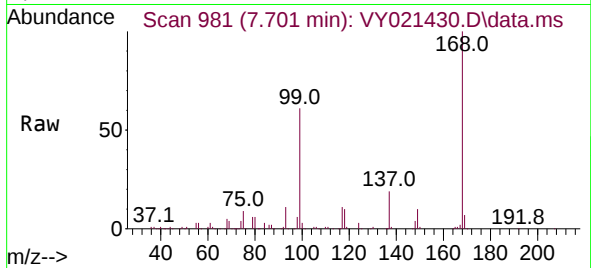




#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021430.D
Acq: 06 Mar 2025 13:28

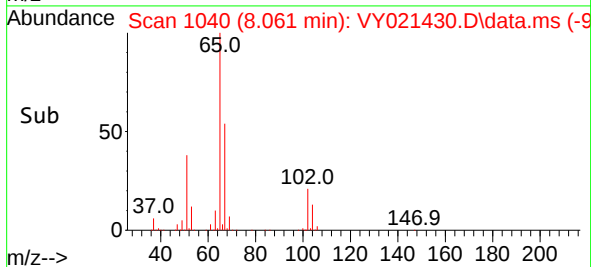
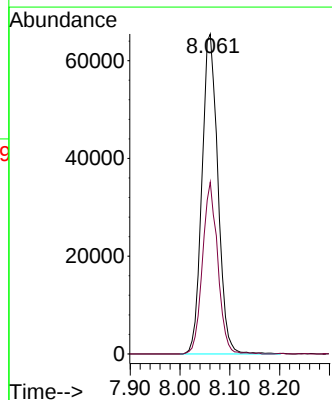
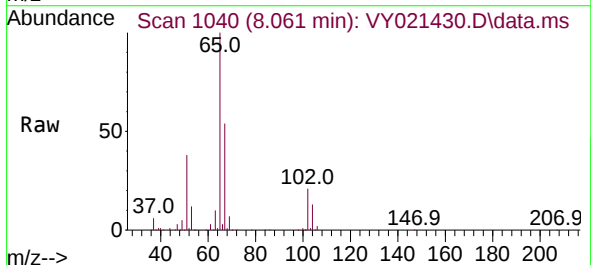
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

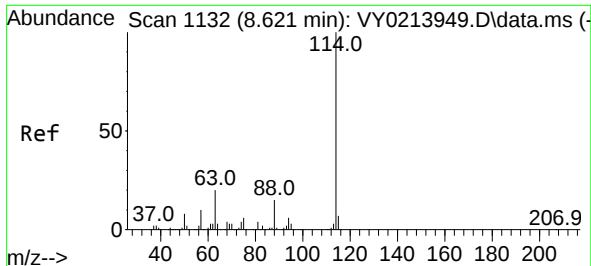
Tgt Ion: 56 Resp: 5967
Ion Ratio Lower Upper
56 100
69 140.2 27.0 40.4#
84 100.5 71.1 106.7



#33
1,2-Dichloroethane-d4
Concen: 56.386 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021430.D
Acq: 06 Mar 2025 13:28

Tgt Ion: 65 Resp: 145303
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.8

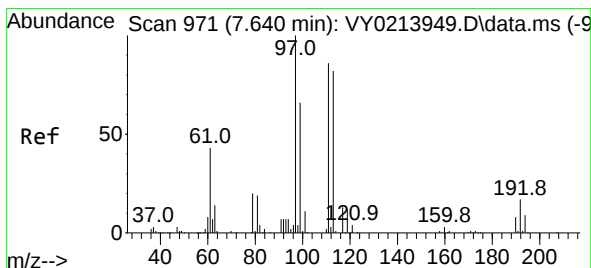
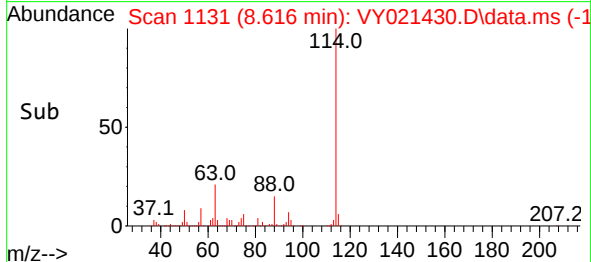
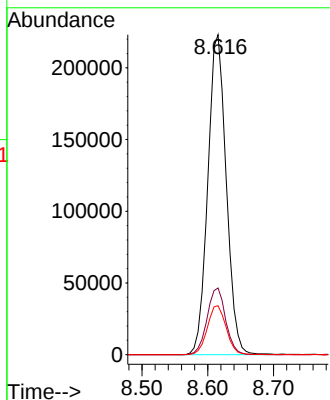
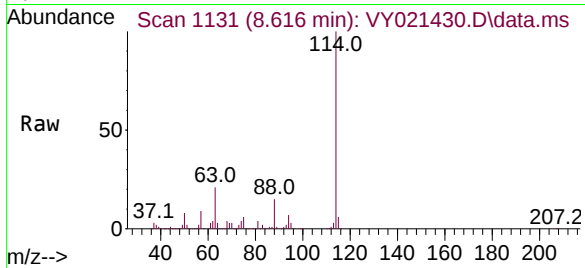




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021430.D
Acq: 06 Mar 2025 13:28

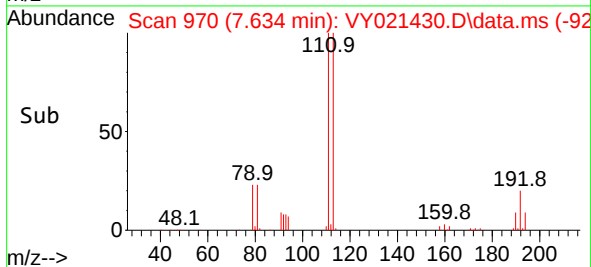
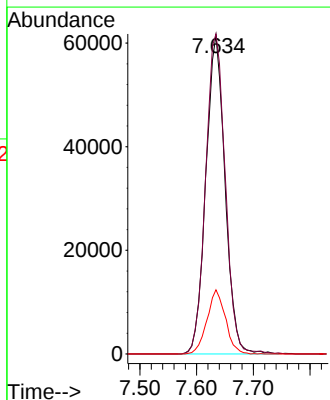
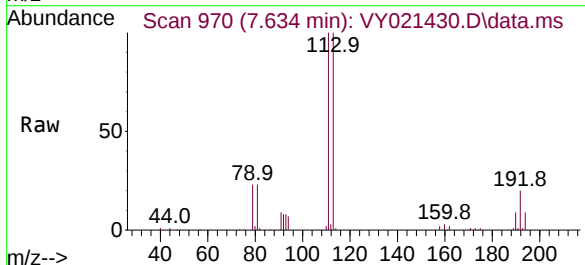
Instrument :
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ClientSampleId :
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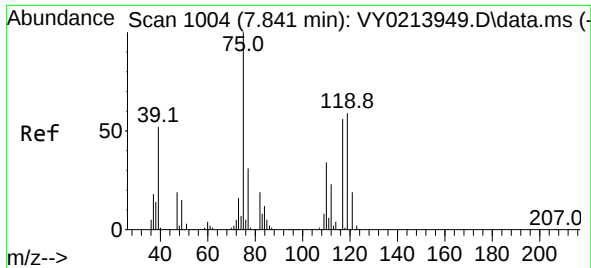
Tgt Ion:114 Resp: 435486
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 15.3 0.0 30.8



#35
Dibromofluoromethane
Concen: 50.468 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021430.D
Acq: 06 Mar 2025 13:28

Tgt Ion:113 Resp: 144464
Ion Ratio Lower Upper
113 100
111 102.9 82.0 123.0
192 19.4 15.9 23.9

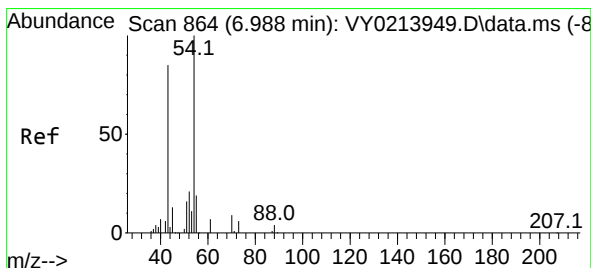
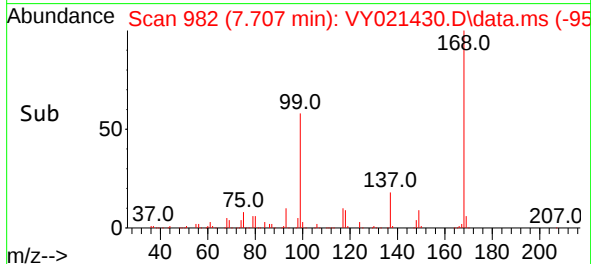
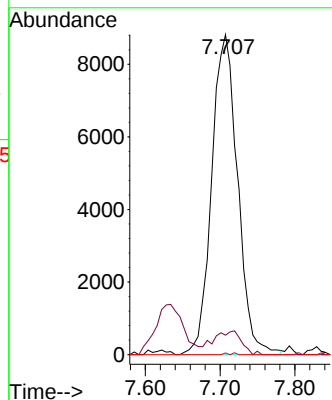
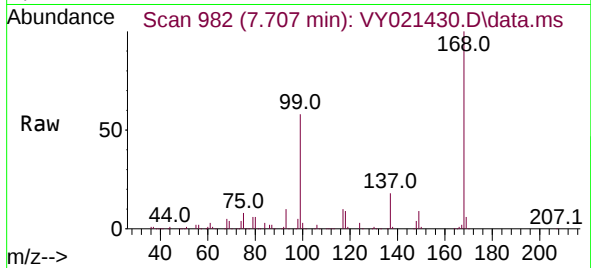




#36
1,1-Dichloropropene
Concen: 4.753 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY021430.D
Acq: 06 Mar 2025 13:28

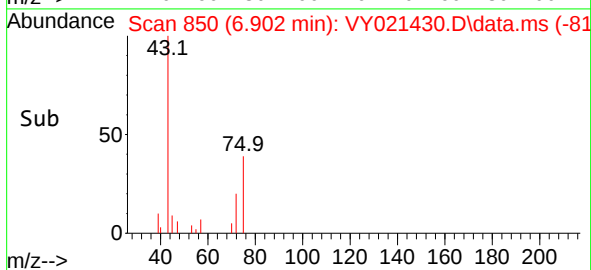
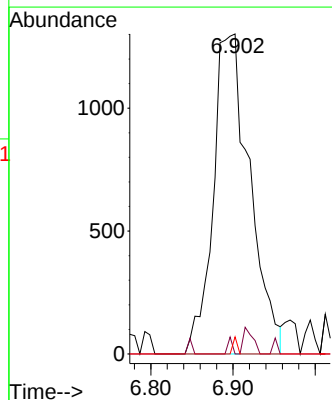
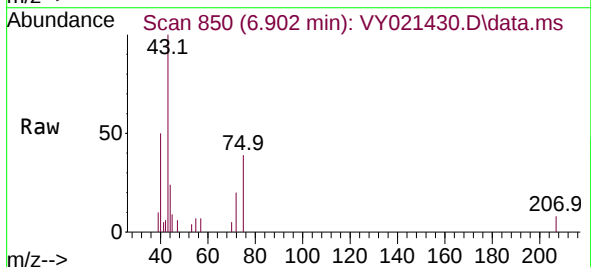
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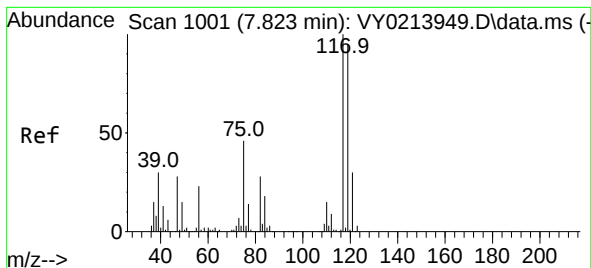
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.3	51.7#
77	0.2	25.4	38.2#



#37
Ethyl Acetate
Concen: 2.032 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.085 min
Lab File: VY021430.D
Acq: 06 Mar 2025 13:28

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.6	11.4	17.0#
70	0.6	8.2	12.2#





#38

Carbon Tetrachloride

Concen: 4.919 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.109 min

Lab File: VY021430.D

Acq: 06 Mar 2025 13:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

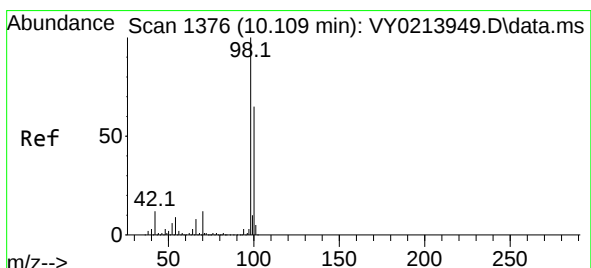
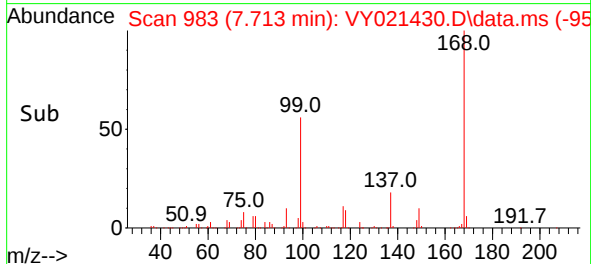
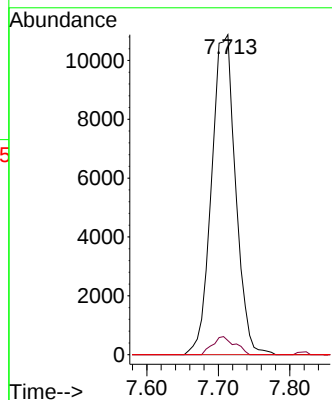
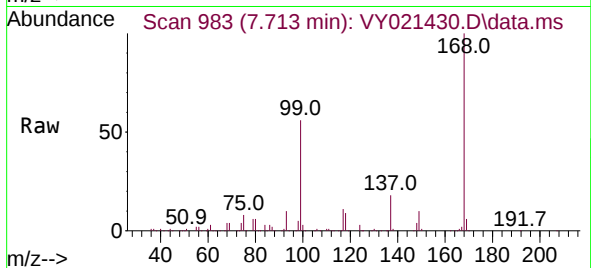
Tgt Ion:117 Resp: 25346

Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 48.570 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021430.D

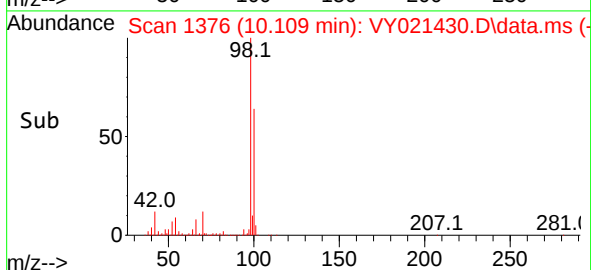
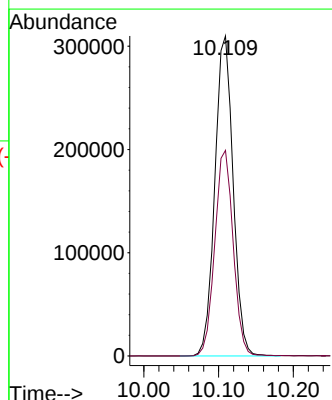
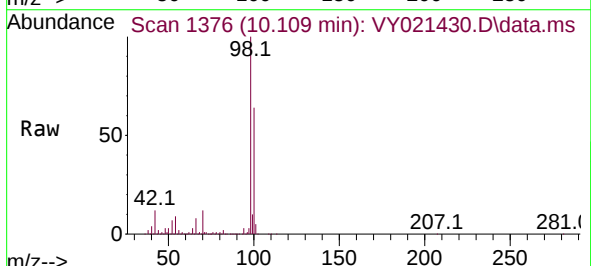
Acq: 06 Mar 2025 13:28

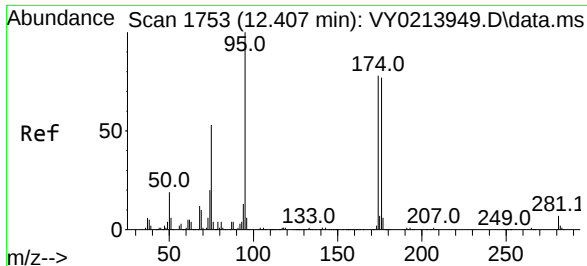
Tgt Ion: 98 Resp: 526418

Ion Ratio Lower Upper

98 100

100 64.9 52.1 78.1

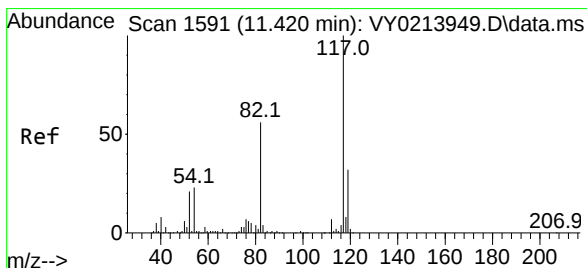
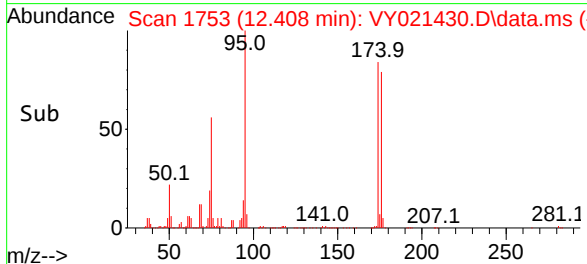
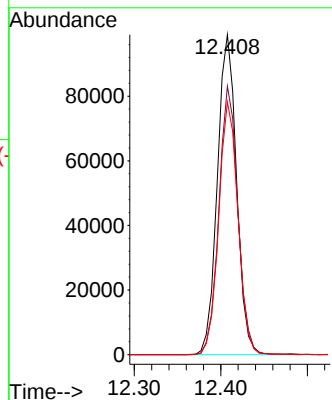
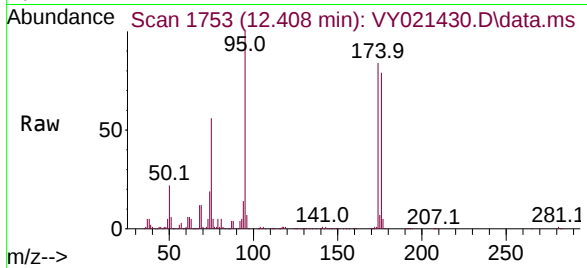




#62
4-Bromofluorobenzene
Concen: 41.308 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021430.D
Acq: 06 Mar 2025 13:28

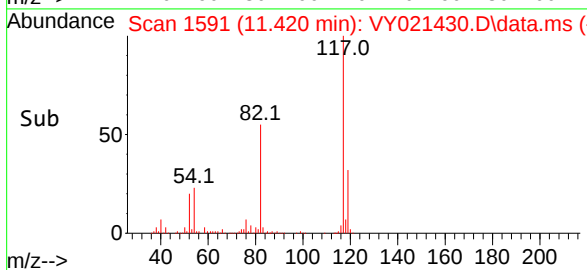
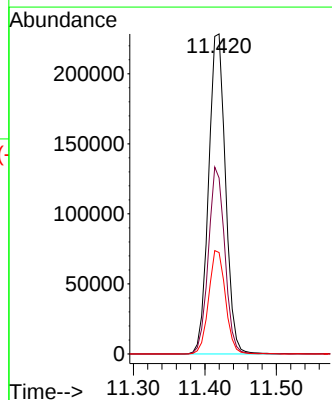
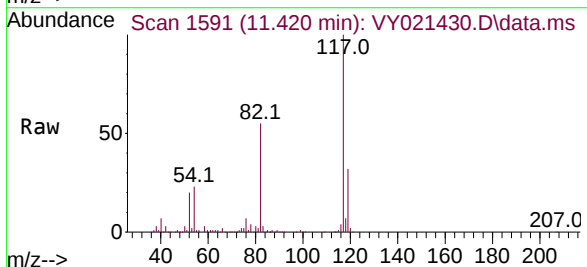
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

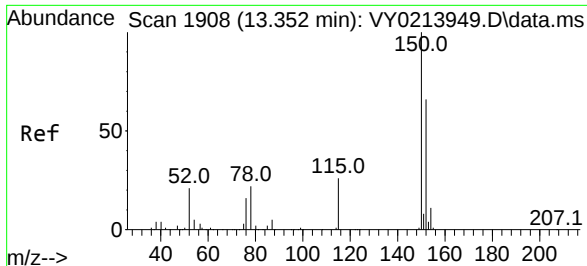
Tgt Ion: 95 Resp: 152293
Ion Ratio Lower Upper
95 100
174 82.9 0.0 165.0
176 79.2 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021430.D
Acq: 06 Mar 2025 13:28

Tgt Ion: 117 Resp: 374607
Ion Ratio Lower Upper
117 100
82 55.0 44.6 67.0
119 31.7 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: VY021430.D

Acq: 06 Mar 2025 13:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

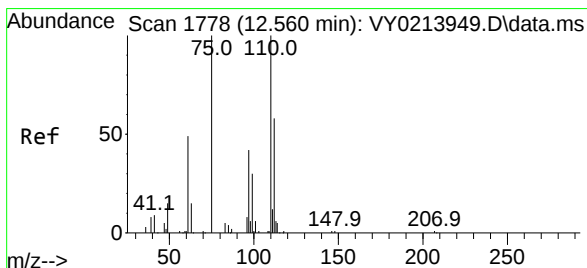
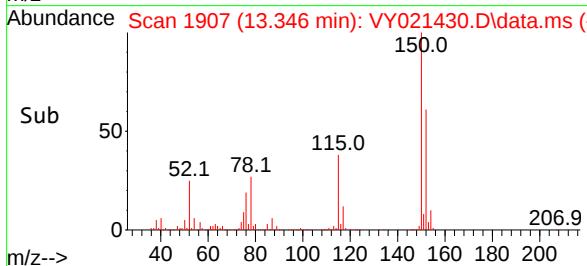
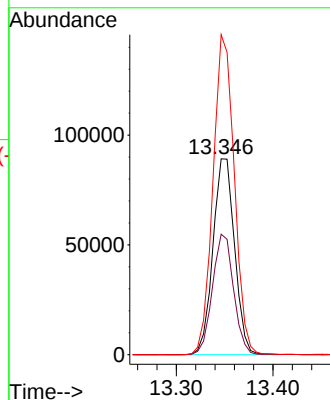
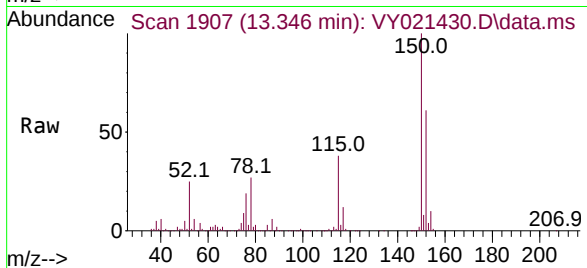
Tgt Ion:152 Resp: 138645

Ion Ratio Lower Upper

152 100

115 60.3 29.0 87.0

150 160.6 0.0 347.2



#76

1,2,3-Trichloropropane

Concen: 58.827 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY021430.D

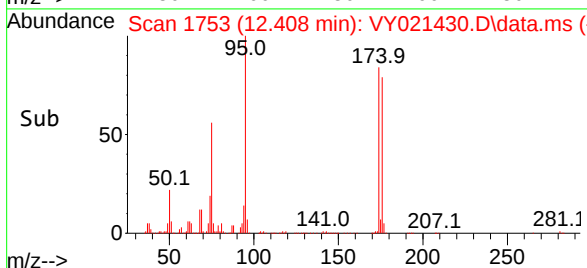
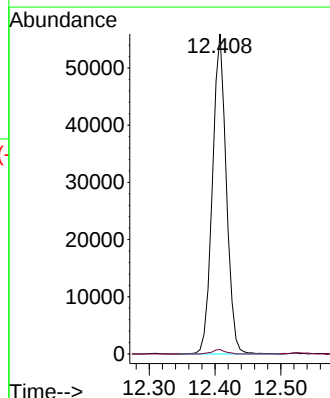
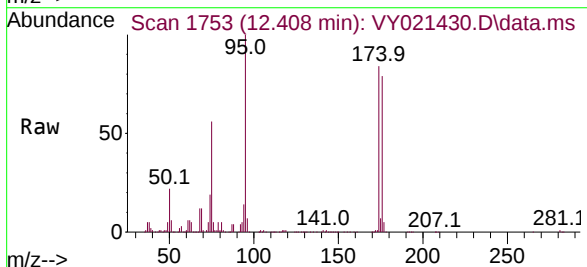
Acq: 06 Mar 2025 13:28

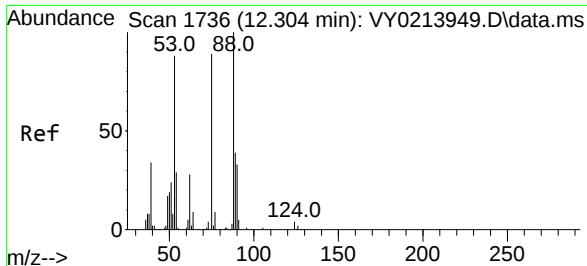
Tgt Ion: 75 Resp: 82188

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

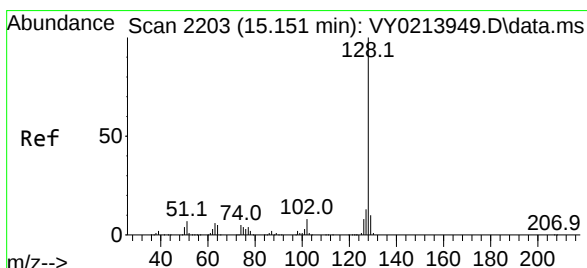
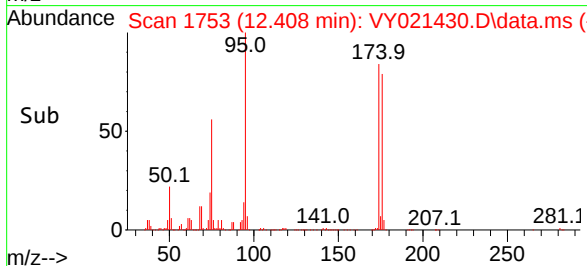
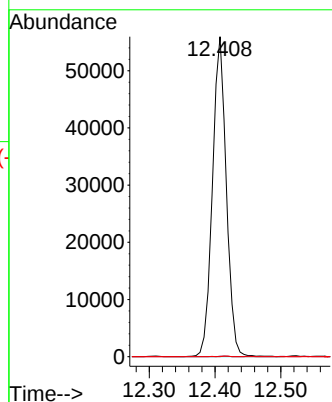
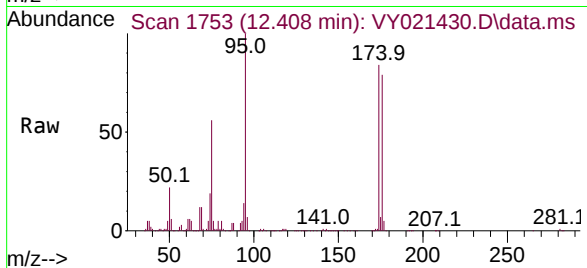




#81
trans-1,4-Dichloro-2-butene
Concen: 133.733 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021430.D
Acq: 06 Mar 2025 13:28

Instrument :
MSVOA_Y
ClientSampleId :
TP-2

Tgt Ion: 75 Resp: 82188
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.4#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 1.989 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021430.D
Acq: 06 Mar 2025 13:28

Tgt Ion: 128 Resp: 2029
Ion Ratio Lower Upper
128 100
127 14.2 10.6 15.8
129 17.9 8.6 13.0#

