

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032025\
 Data File : VY021584.D
 Acq On : 20 Mar 2025 15:58
 Operator : SY/MD
 Sample : Q1603-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-070-031925

Quant Time: Mar 21 01:34:27 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)

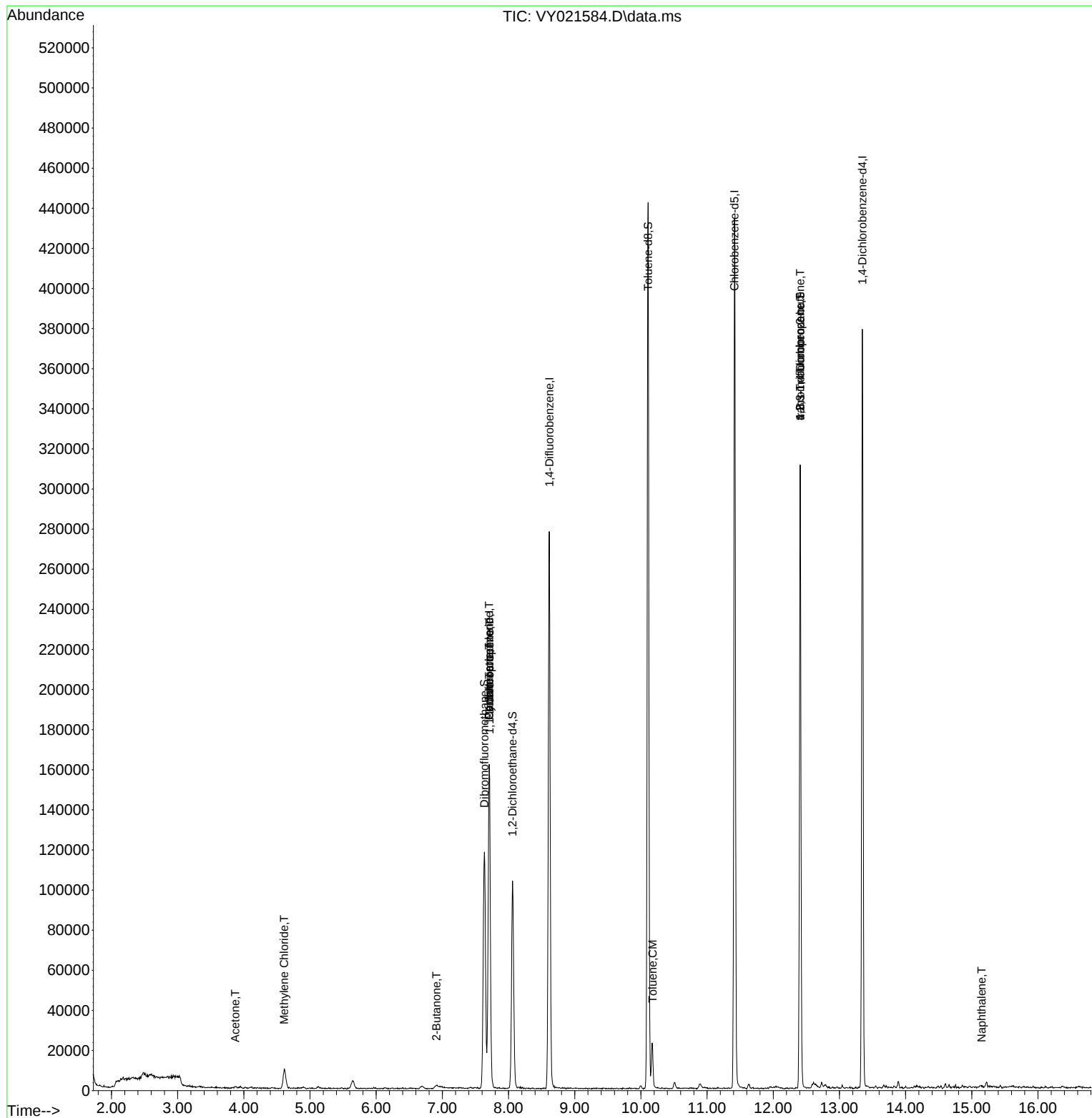
Internal Standards						
1) Pentafluorobenzene	7.707	168	120594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	228379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	223083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	91321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	82602	64.806	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.620%	
35) Dibromofluoromethane	7.634	113	84104	56.026	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.060%	
50) Toluene-d8	10.109	98	287260	50.539	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.080%	
62) 4-Bromofluorobenzene	12.408	95	91782	47.471	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.940%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.872	59	375	Below Cal	#	72
16) Acetone	3.873	43	1130	4.065	ug/l #	68
20) Methylene Chloride	4.610	84	6619	4.536	ug/l	94
25) 2-Butanone	6.909	43	1452	3.776	ug/l #	48
31) Cyclohexane	7.707	56	2855	1.196	ug/l #	16
36) 1,1-Dichloropropene	7.713	75	10265	4.368	ug/l #	49
38) Carbon Tetrachloride	7.707	117	12374	4.579	ug/l #	16
52) Toluene	10.176	92	8489	1.945	ug/l	95
76) 1,2,3-Trichloropropane	12.408	75	49192	53.456	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	49192	121.523	ug/l #	9
95) Naphthalene	15.151	128	843	1.789	ug/l #	90

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

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Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

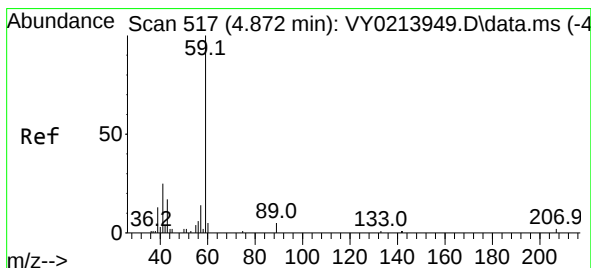
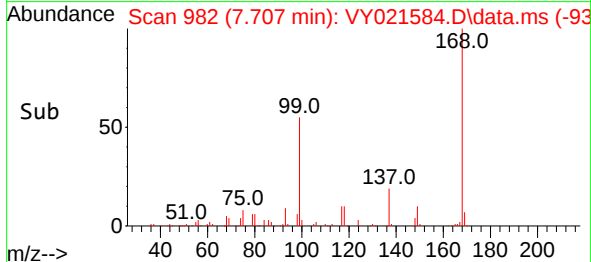
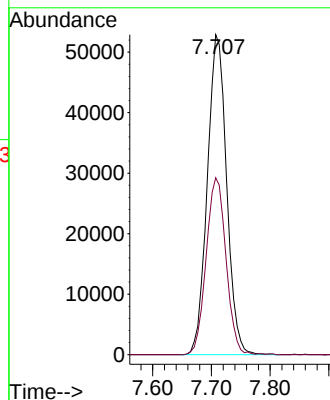
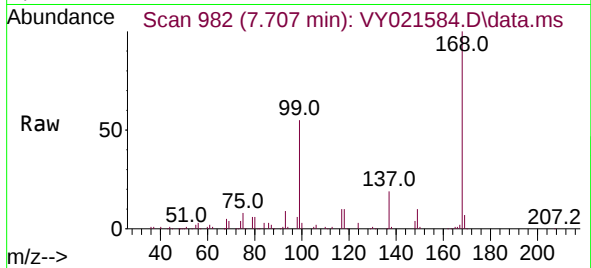




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

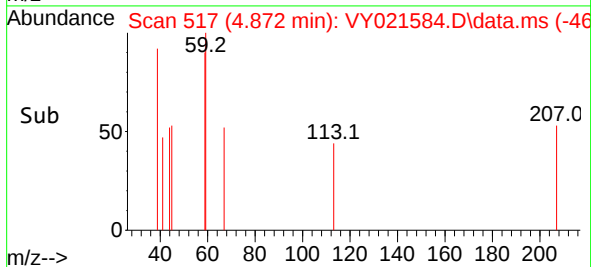
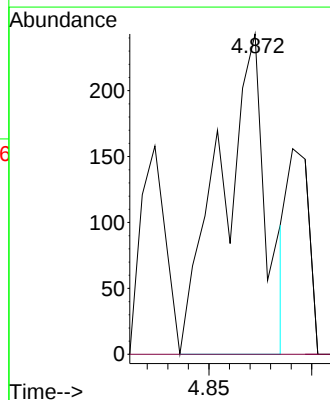
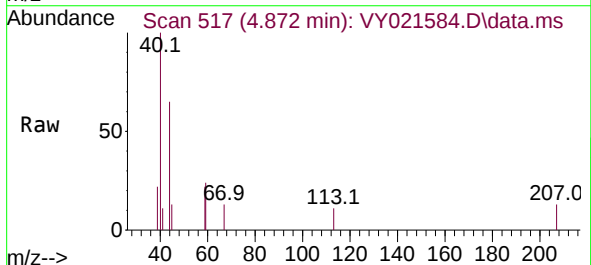
Instrument :
MSVOA_Y
ClientSampleId :
NB-070-031925

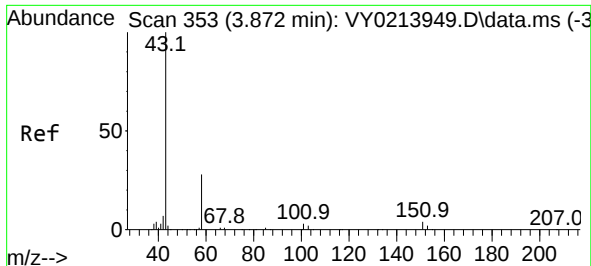
Tgt Ion:168 Resp: 120594
Ion Ratio Lower Upper
168 100
99 55.3 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.872 min Scan# 517
Delta R.T. 0.000 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

Tgt Ion: 59 Resp: 375
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

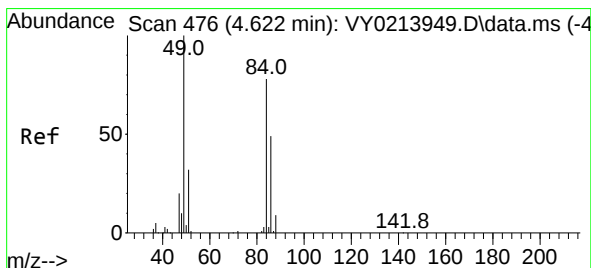
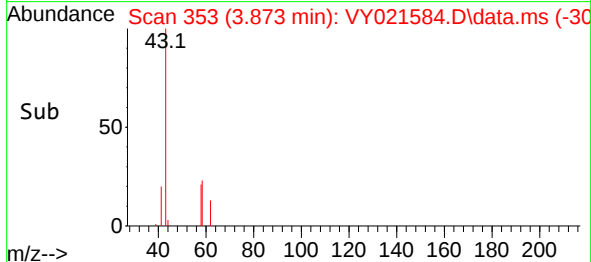
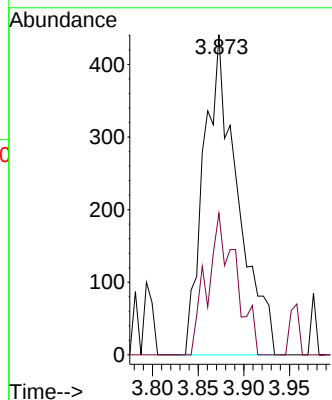
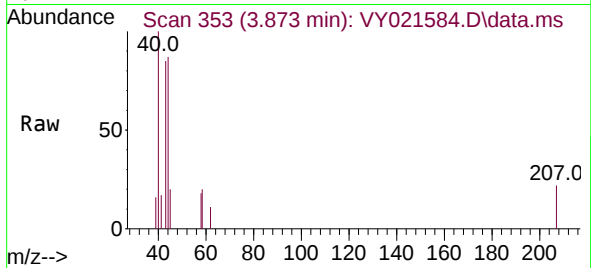




#16
Acetone
Concen: 4.065 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.001 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

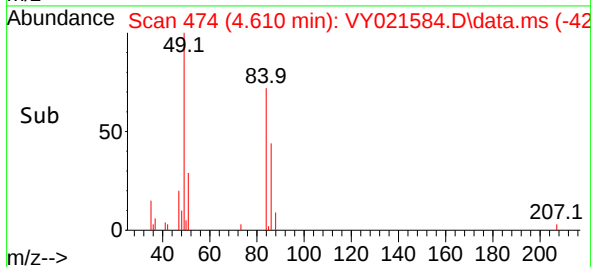
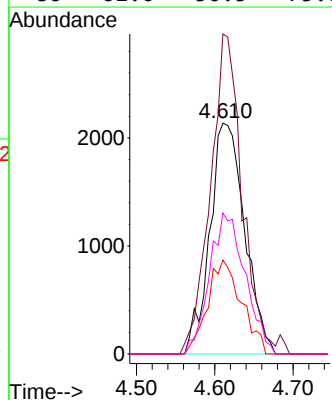
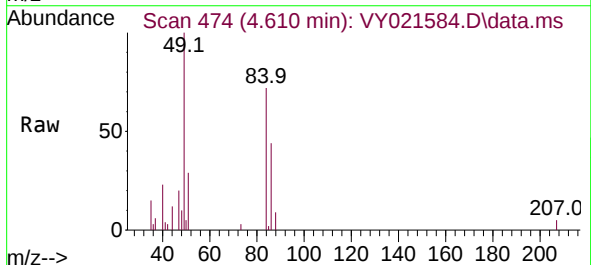
Instrument :
MSVOA_Y
ClientSampleId :
NB-070-031925

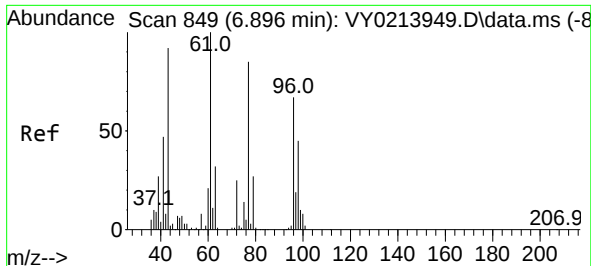
Tgt Ion: 43 Resp: 1130
Ion Ratio Lower Upper
43 100
58 44.2 22.1 33.1#



#20
Methylene Chloride
Concen: 4.536 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

Tgt Ion: 84 Resp: 6619
Ion Ratio Lower Upper
84 100
49 138.7 102.0 153.0
51 40.7 33.0 49.6
86 61.0 50.5 75.7

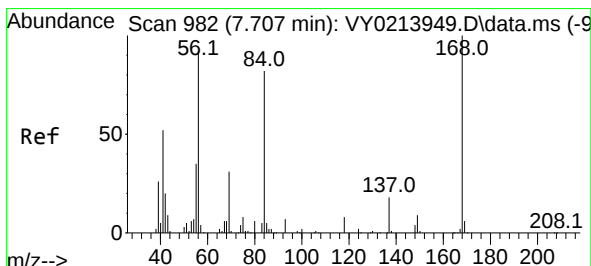
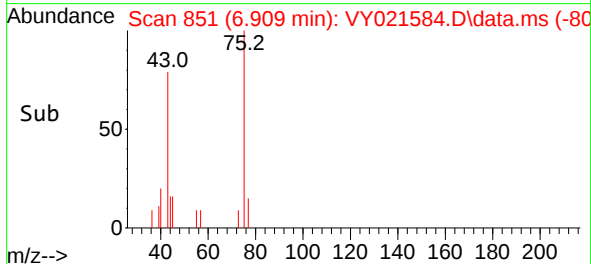
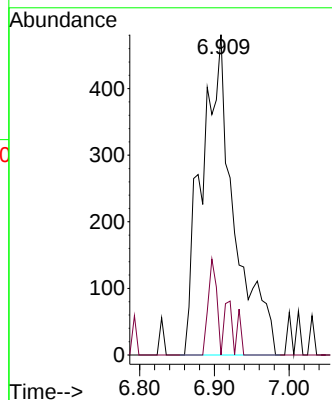
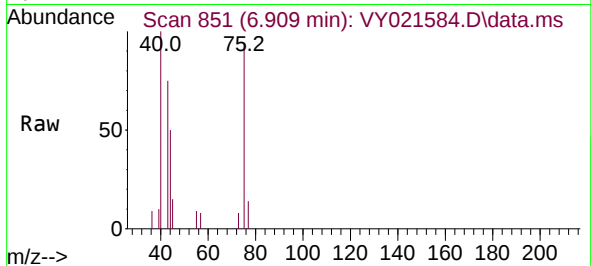




#25
2-Butanone
Concen: 3.776 ug/l
RT: 6.909 min Scan# 849
Delta R.T. 0.013 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

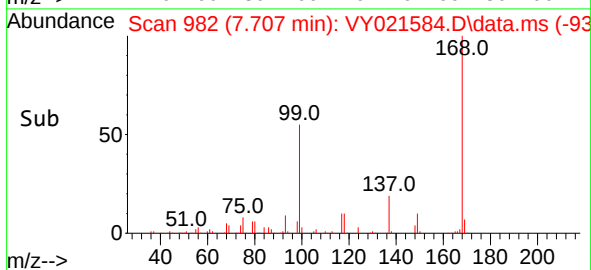
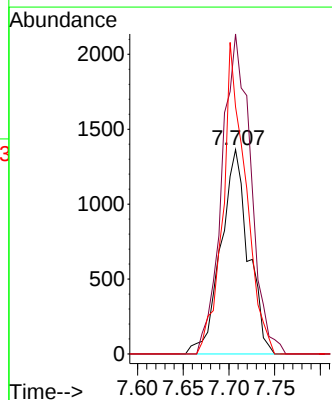
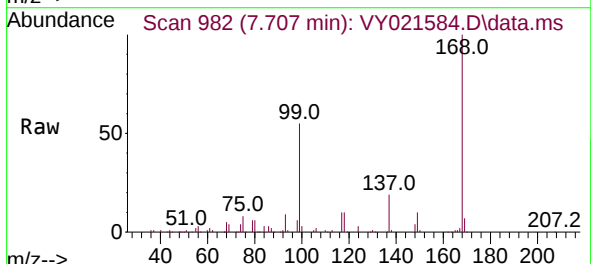
Instrument :
MSVOA_Y
ClientSampleId :
NB-070-031925

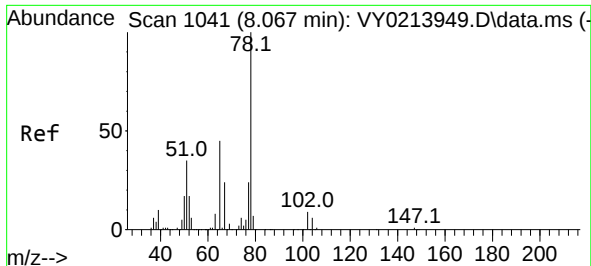
Tgt Ion: 43 Resp: 1452
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

Tgt Ion: 56 Resp: 2855
Ion Ratio Lower Upper
56 100
69 156.6 27.0 40.4#
84 120.9 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 64.806 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021584.D

Acq: 20 Mar 2025 15:58

Instrument :

MSVOA_Y

ClientSampleId :

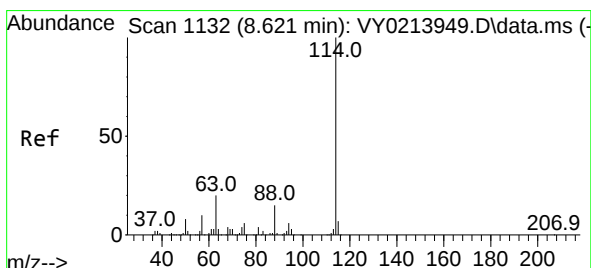
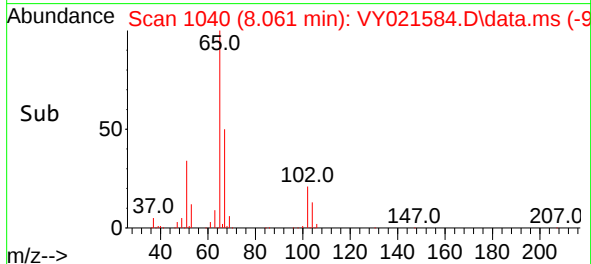
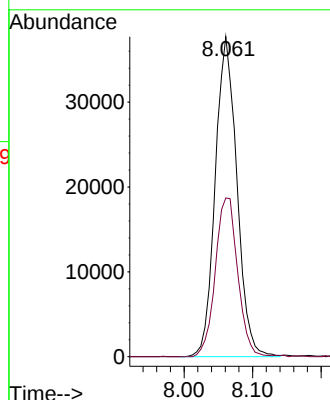
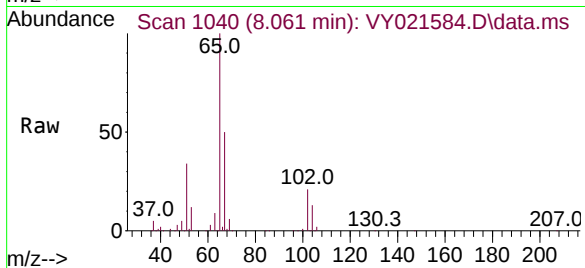
NB-070-031925

Tgt Ion: 65 Resp: 82602

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# 1131

Delta R.T. -0.006 min

Lab File: VY021584.D

Acq: 20 Mar 2025 15:58

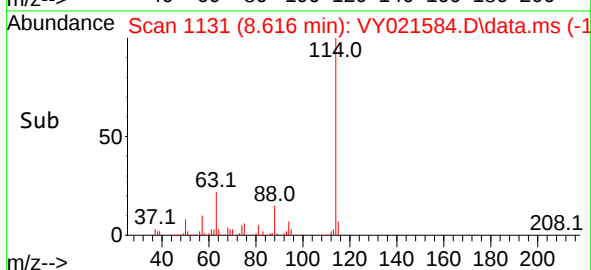
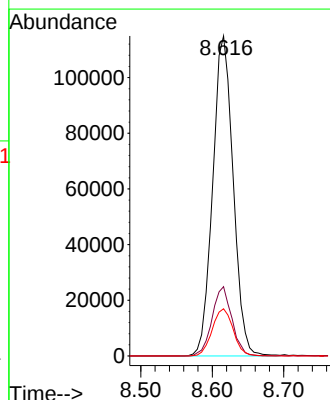
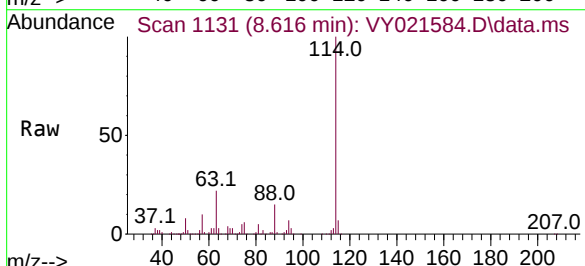
Tgt Ion: 114 Resp: 228379

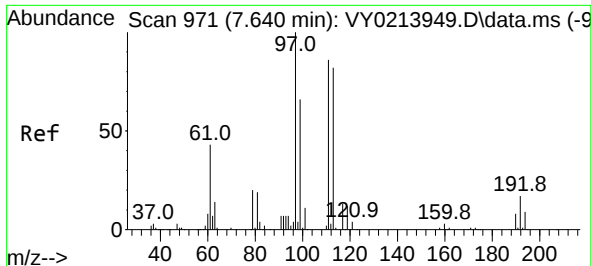
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.8

88 14.7 0.0 30.8





#35

Dibromofluoromethane

Concen: 56.026 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021584.D

Acq: 20 Mar 2025 15:58

Instrument :

MSVOA_Y

ClientSampleId :

NB-070-031925

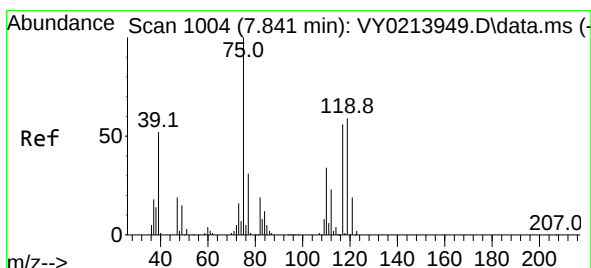
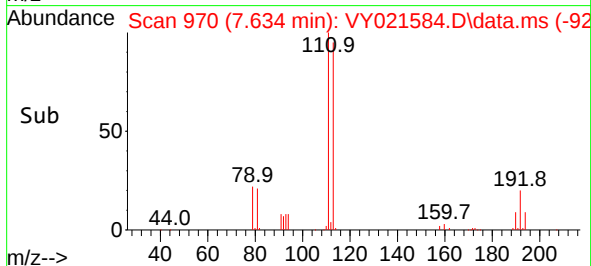
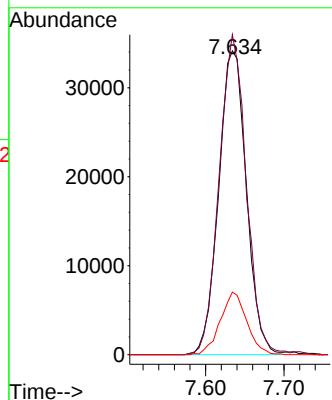
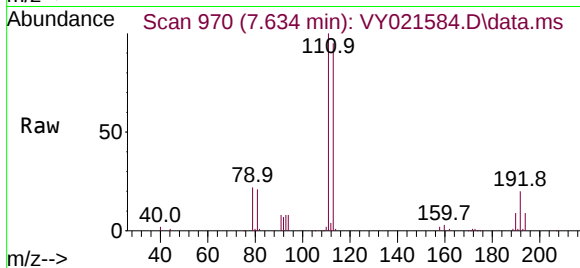
Tgt Ion:113 Resp: 84104

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

192 19.6 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.368 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021584.D

Acq: 20 Mar 2025 15:58

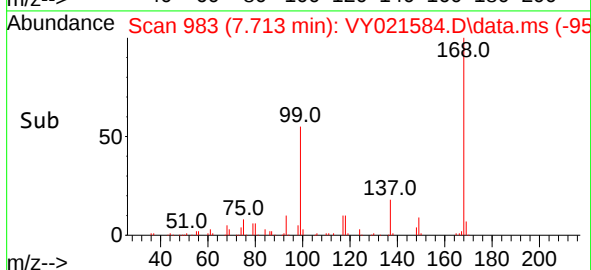
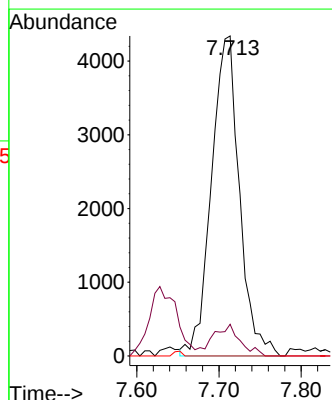
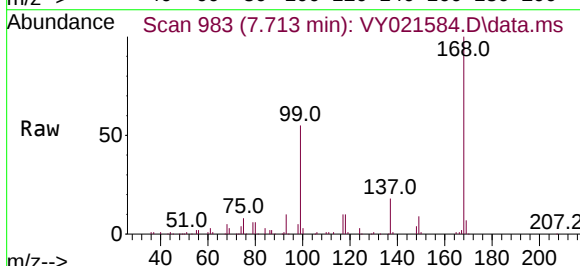
Tgt Ion: 75 Resp: 10265

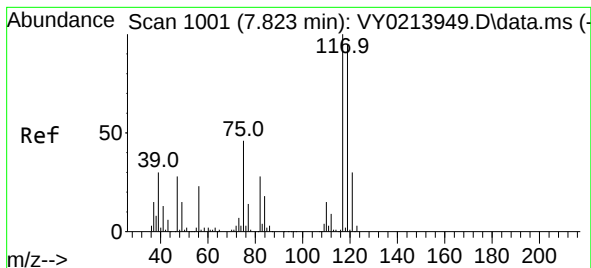
Ion Ratio Lower Upper

75 100

110 8.9 17.3 51.7#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.579 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.115 min

Lab File: VY021584.D

Acq: 20 Mar 2025 15:58

Instrument :

MSVOA_Y

ClientSampleId :

NB-070-031925

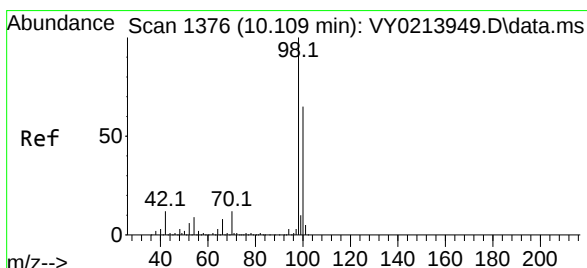
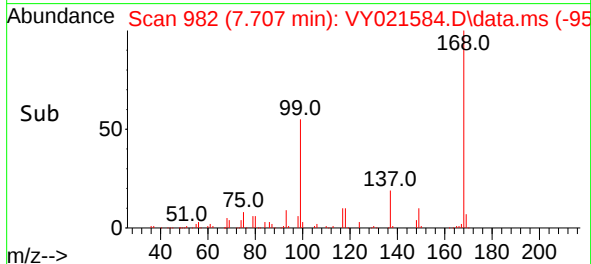
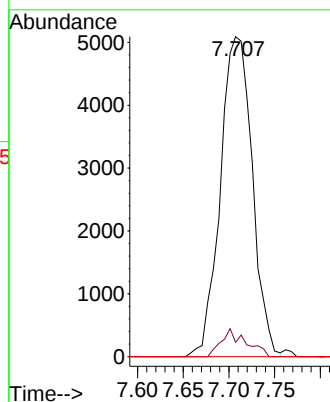
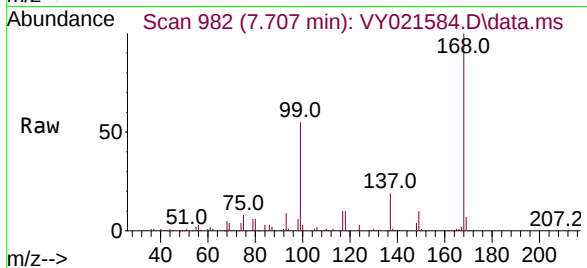
Tgt Ion:117 Resp: 12374

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 50.539 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021584.D

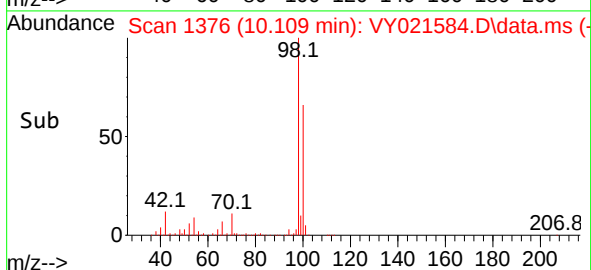
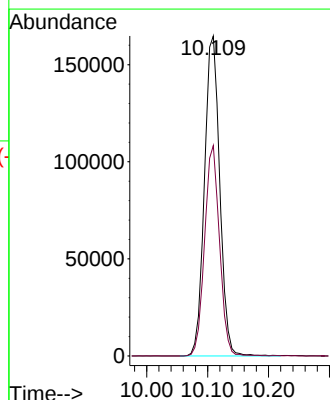
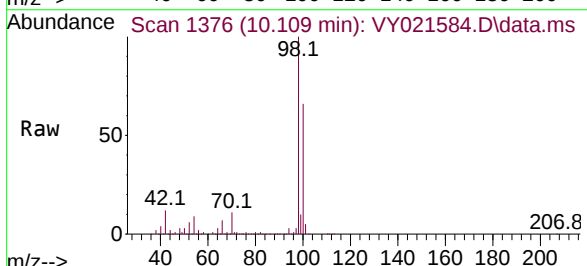
Acq: 20 Mar 2025 15:58

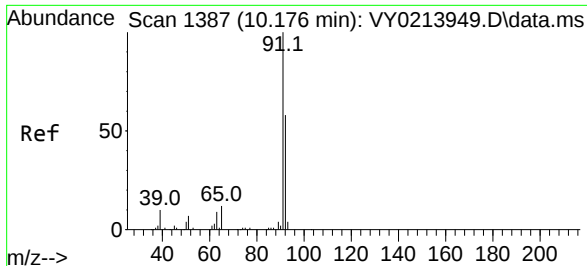
Tgt Ion: 98 Resp: 287260

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1

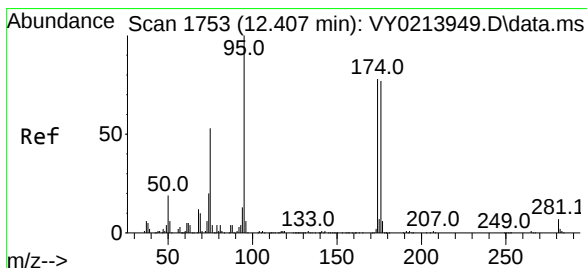
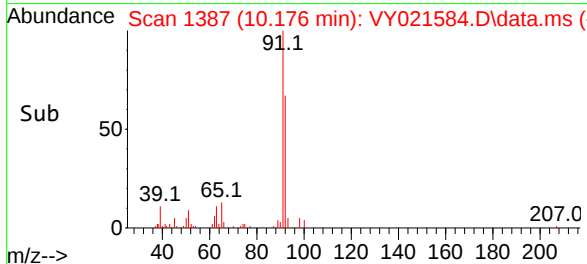
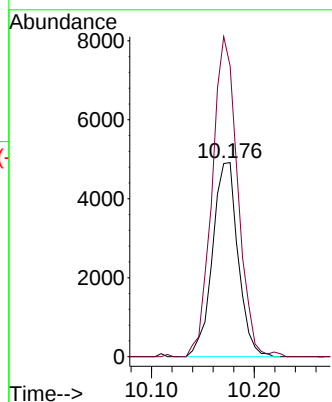
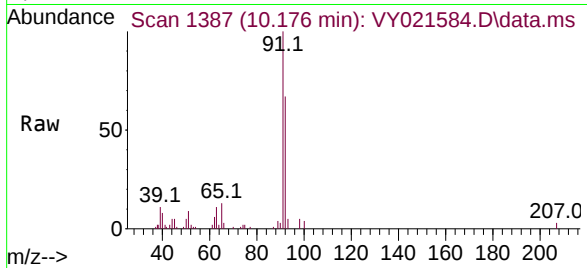




#52
Toluene
Concen: 1.945 ug/l
RT: 10.176 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

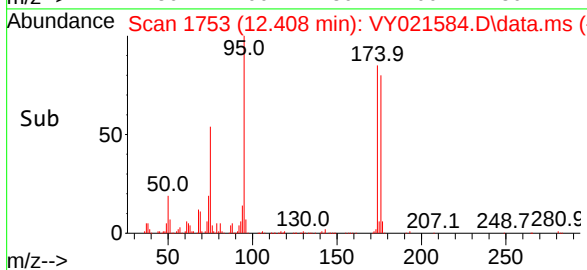
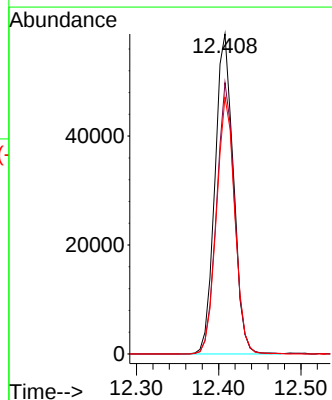
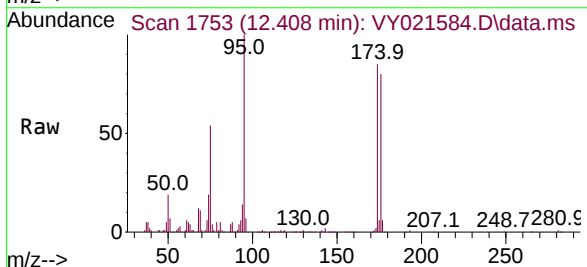
Instrument :
MSVOA_Y
ClientSampleId :
NB-070-031925

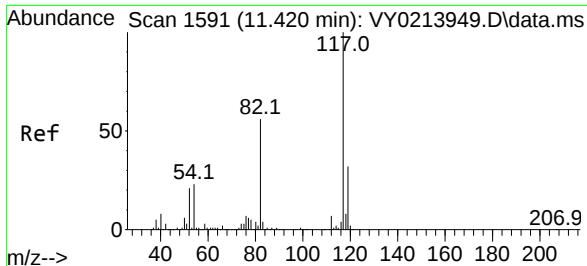
Tgt Ion: 92 Resp: 8489
Ion Ratio Lower Upper
92 100
91 165.3 138.2 207.2



#62
4-Bromofluorobenzene
Concen: 47.471 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

Tgt Ion: 95 Resp: 91782
Ion Ratio Lower Upper
95 100
174 82.6 0.0 165.0
176 79.6 0.0 160.0

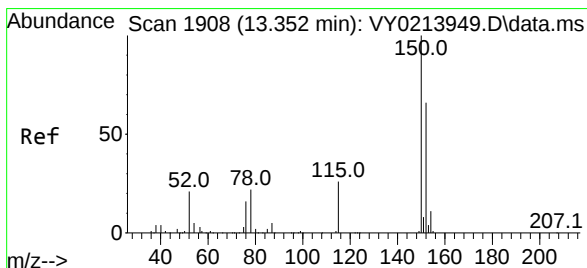
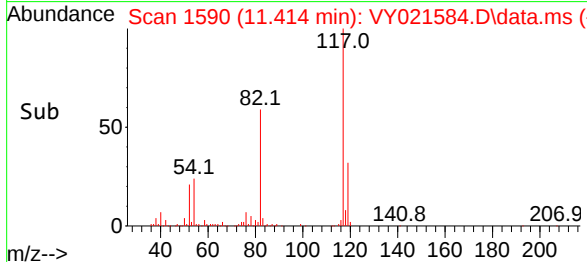
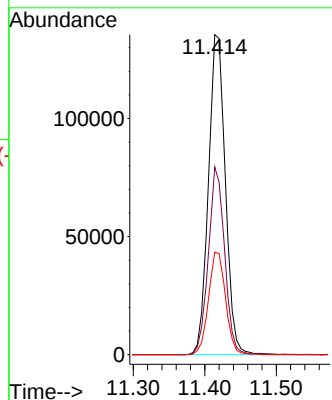
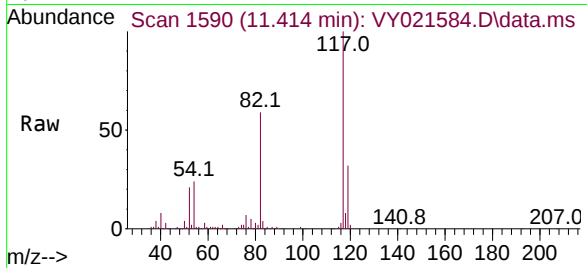




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

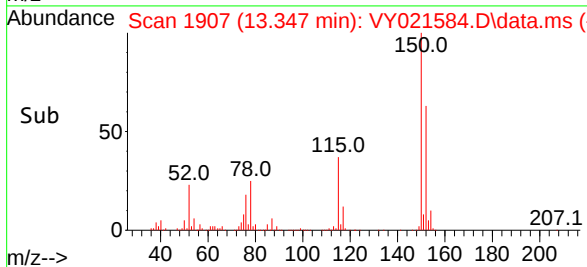
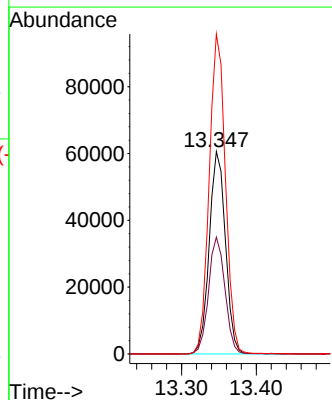
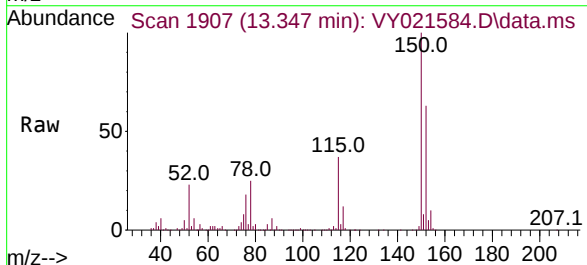
Instrument :
MSVOA_Y
ClientSampleId :
NB-070-031925

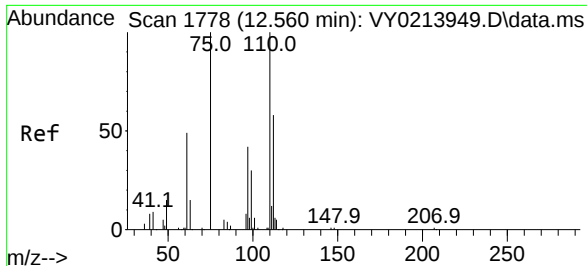
Tgt Ion:117 Resp: 223083
Ion Ratio Lower Upper
117 100
82 58.6 44.6 67.0
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

Tgt Ion:152 Resp: 91321
Ion Ratio Lower Upper
152 100
115 58.5 29.0 87.0
150 158.1 0.0 347.2

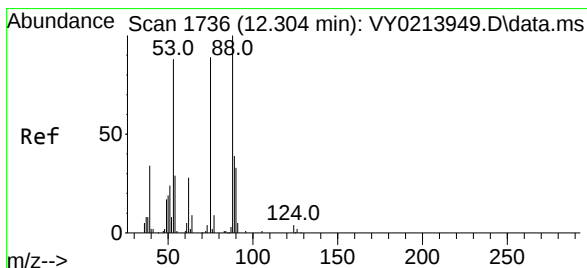
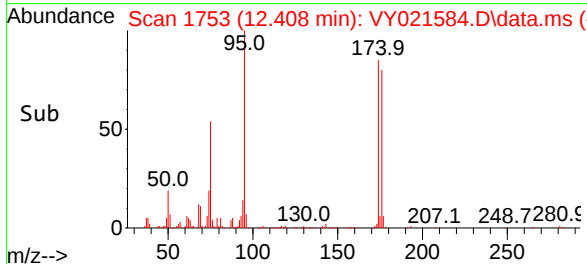
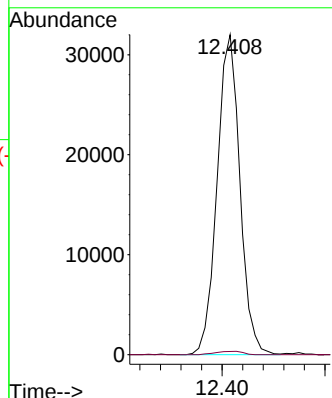
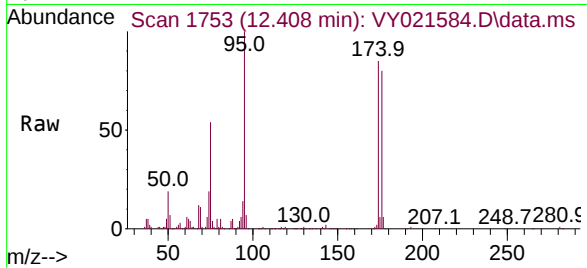




#76
1,2,3-Trichloropropane
Concen: 53.456 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

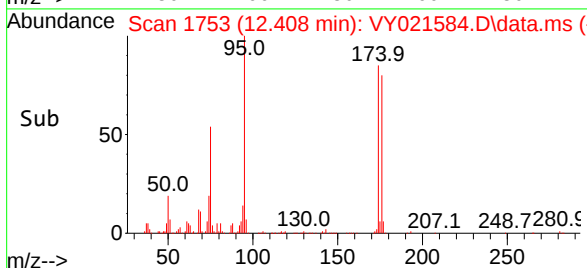
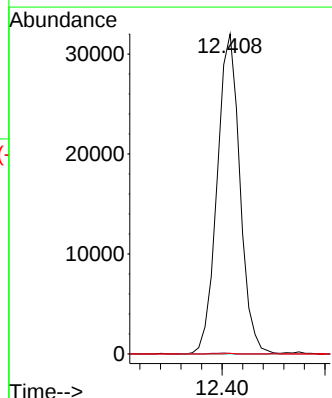
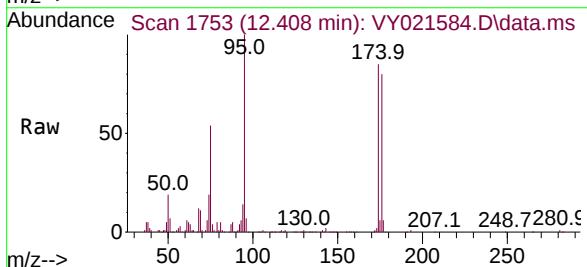
Instrument :
MSVOA_Y
ClientSampleId :
NB-070-031925

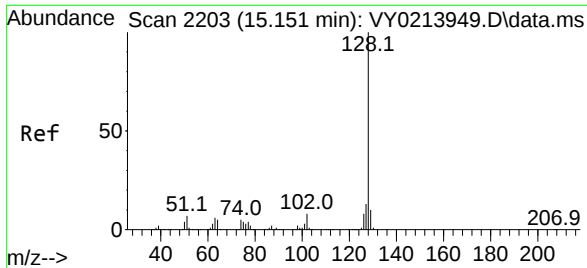
Tgt Ion: 75 Resp: 49192
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.523 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

Tgt Ion: 75 Resp: 49192
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 1.789 ug/l

RT: 15.151 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY021584.D

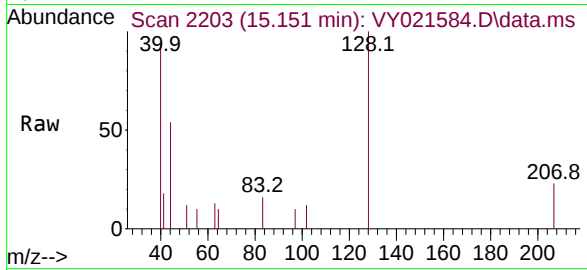
Acq: 20 Mar 2025 15:58

Instrument :

MSVOA_Y

ClientSampleId :

NB-070-031925



Tgt Ion:128 Resp: 843

Ion Ratio Lower Upper

128 100

127 6.8 10.6 15.8#

129 11.5 8.6 13.0

