

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022373.D
 Acq On : 21 May 2025 17:28
 Operator : SY/MD
 Sample : Q2087-01
 Misc : 5.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-07-05202025

Quant Time: May 22 00:13:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

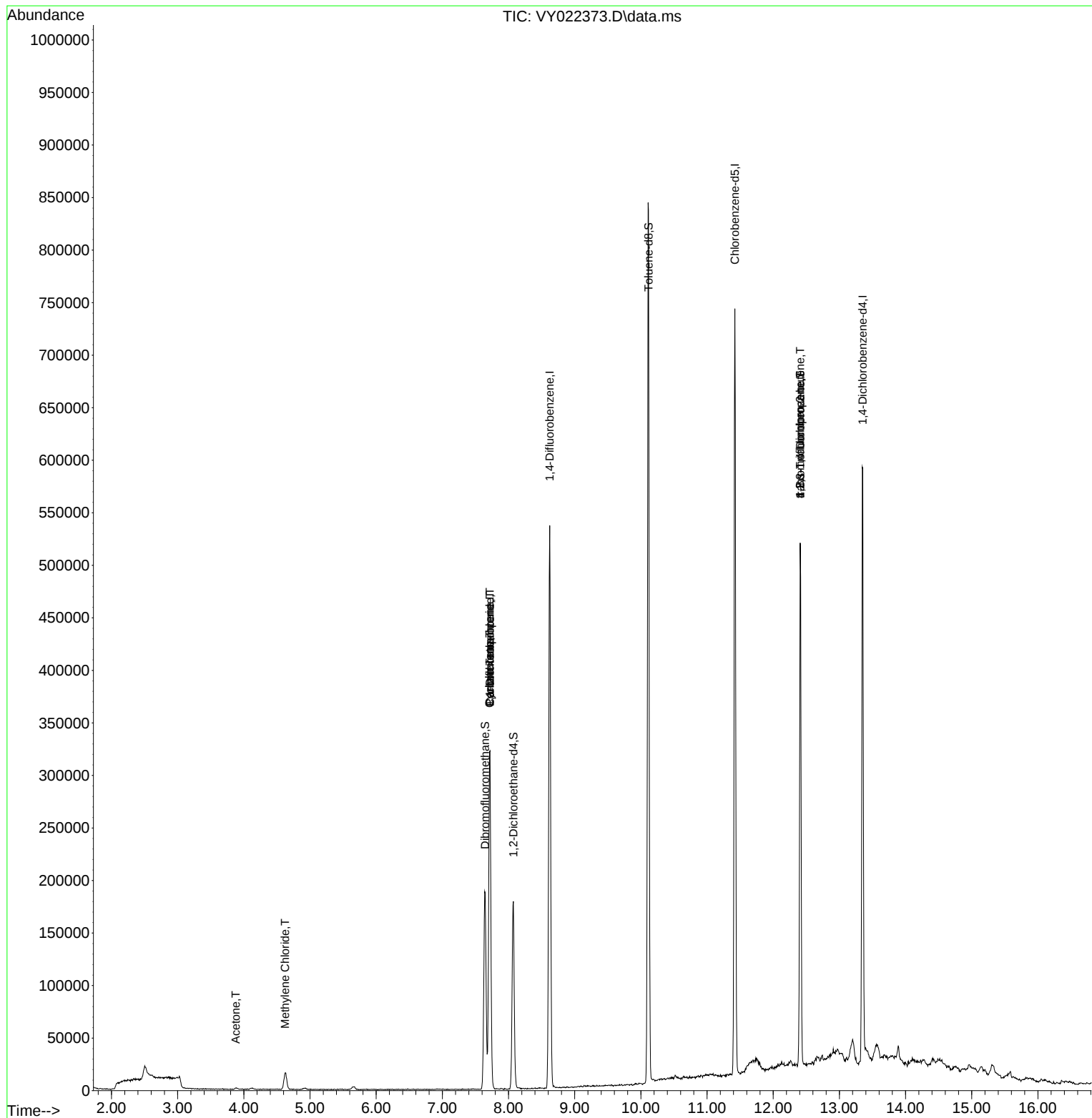
Internal Standards						
1) Pentafluorobenzene	7.719	168	248454	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	447940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	360758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	134748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	132929	48.954	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.900%		
35) Dibromofluoromethane	7.646	113	131812	49.302	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.600%		
50) Toluene-d8	10.115	98	535202	48.878	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.760%		
62) 4-Bromofluorobenzene	12.408	95	140737	40.550	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.100%		
Target Compounds						Qvalue
16) Acetone	3.879	43	3028	5.947	ug/l #	88
20) Methylene Chloride	4.622	84	11370	3.456	ug/l	88
31) Cyclohexane	7.713	56	6705	1.221	ug/l #	5
36) 1,1-Dichloropropene	7.719	75	21235	4.822	ug/l #	51
38) Carbon Tetrachloride	7.719	117	25779	5.655	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	81218	59.494	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	81218	120.520	ug/l #	12

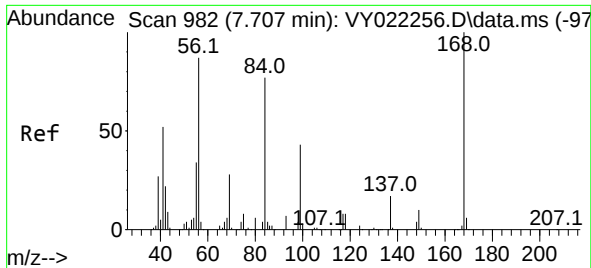
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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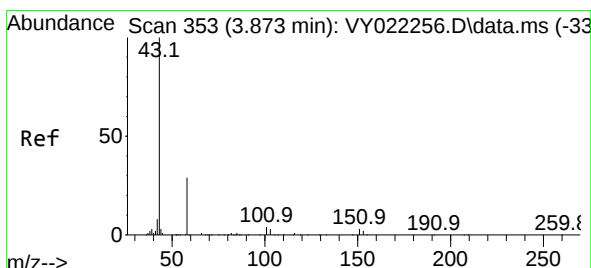
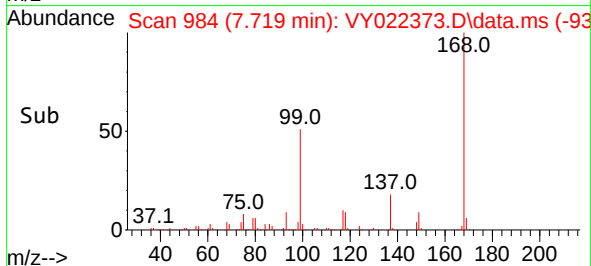
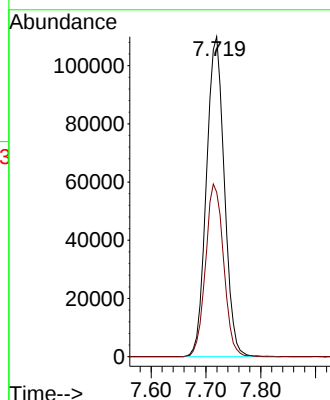
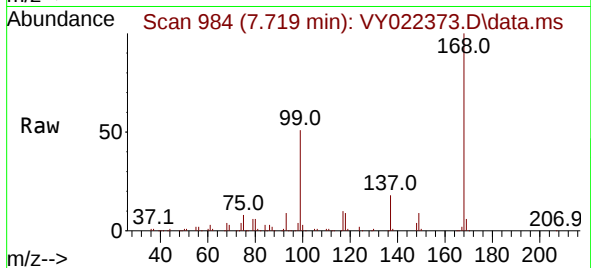




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022373.D
Acq: 21 May 2025 17:28

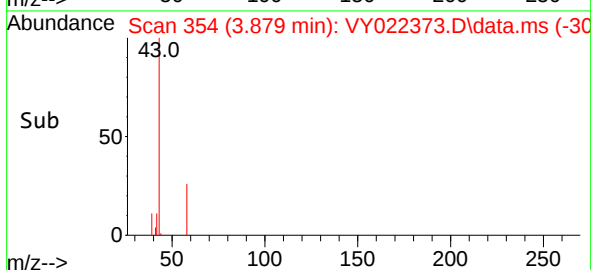
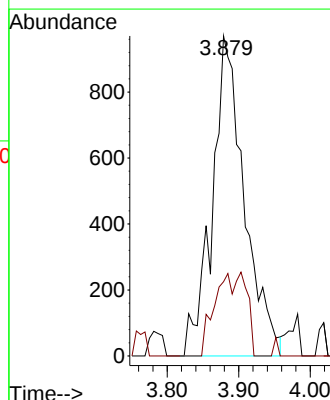
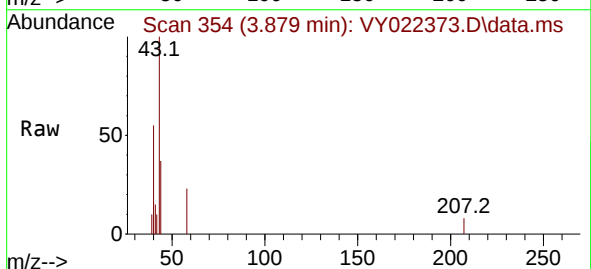
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-05202025

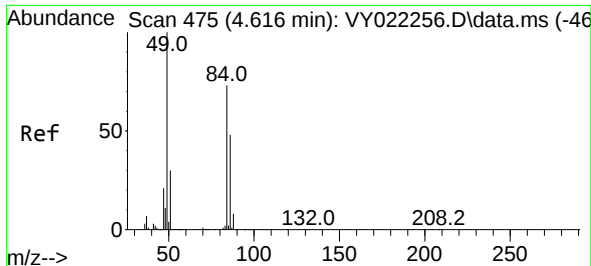
Tgt Ion:168 Resp: 248454
Ion Ratio Lower Upper
168 100
99 51.4 44.2 66.4



#16
Acetone
Concen: 5.947 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022373.D
Acq: 21 May 2025 17:28

Tgt Ion: 43 Resp: 3028
Ion Ratio Lower Upper
43 100
58 23.2 23.6 35.4#



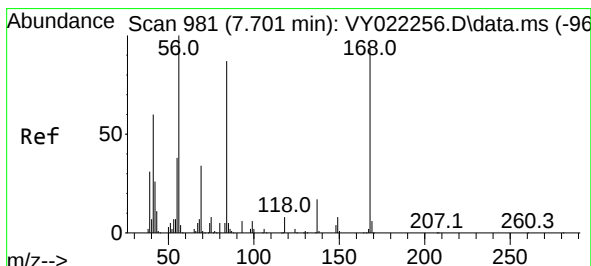
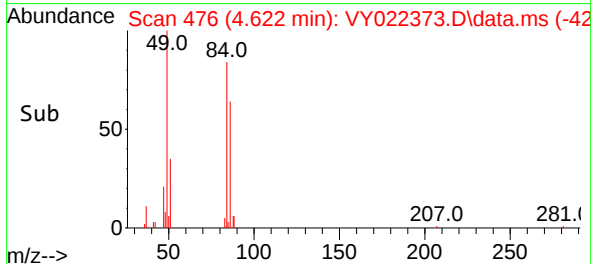
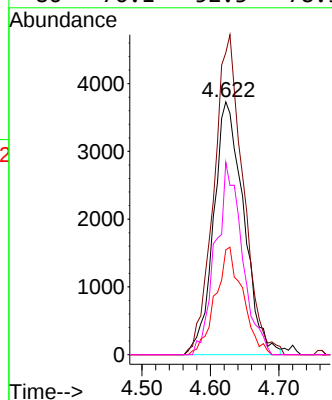
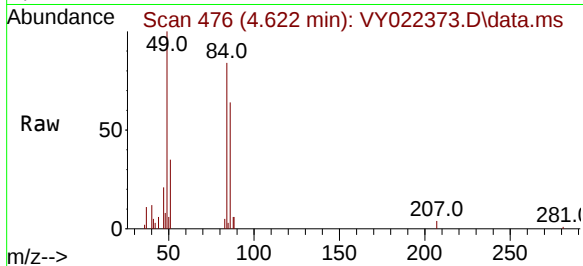


#20
Methylene Chloride
Concen: 3.456 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022373.D
Acq: 21 May 2025 17:28

Instrument :
MSVOA_Y
ClientSampleId :
NB-07-05202025

Tgt Ion: 84 Resp: 11370

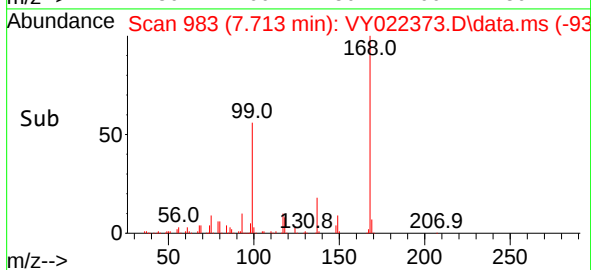
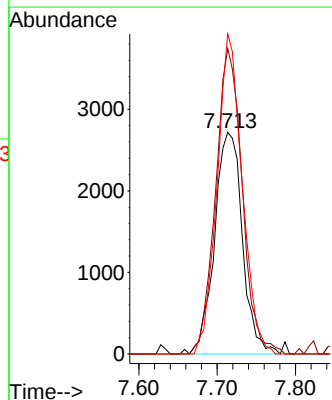
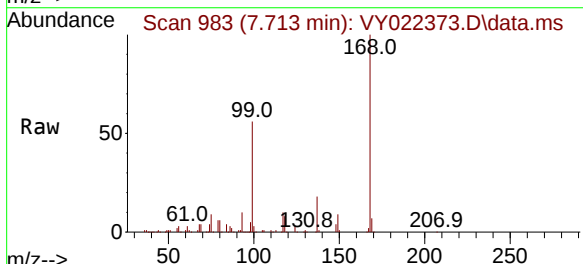
Ion	Ratio	Lower	Upper
84	100		
49	119.4	109.6	164.4
51	41.4	32.4	48.6
86	76.1	52.3	78.5

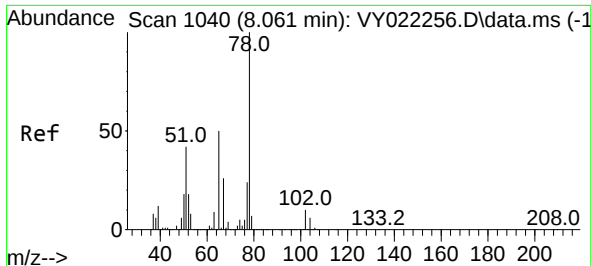


#31
Cyclohexane
Concen: 1.221 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022373.D
Acq: 21 May 2025 17:28

Tgt Ion: 56 Resp: 6705

Ion	Ratio	Lower	Upper
56	100		
69	137.8	27.4	41.2#
84	144.4	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 48.954 ug/l

RT: 8.073 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY022373.D

Acq: 21 May 2025 17:28

Instrument :

MSVOA_Y

ClientSampleId :

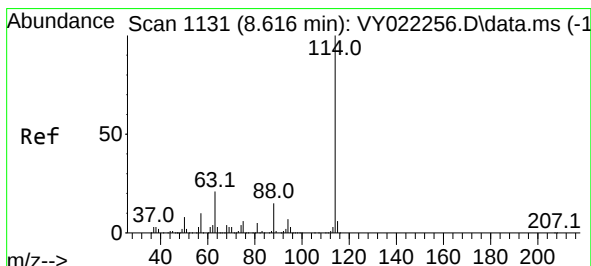
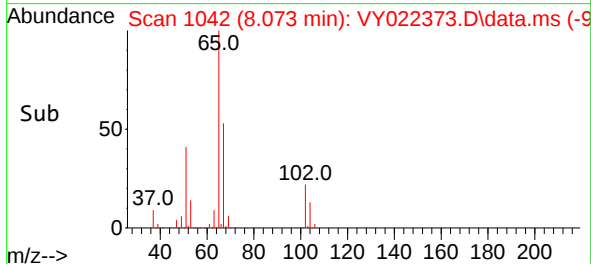
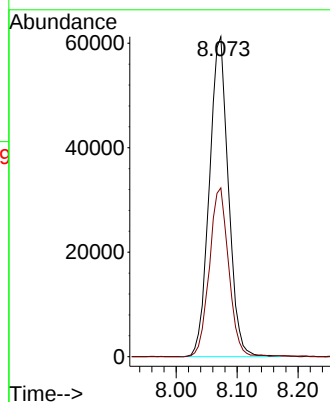
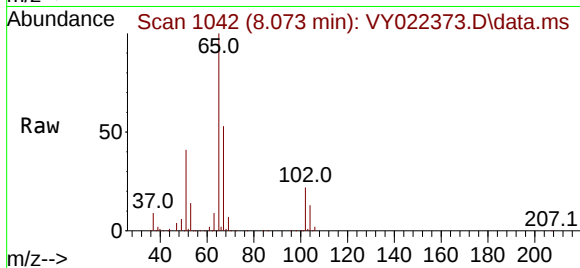
NB-07-05202025

Tgt Ion: 65 Resp: 132929

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022373.D

Acq: 21 May 2025 17:28

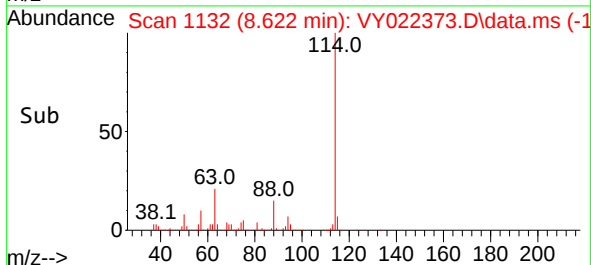
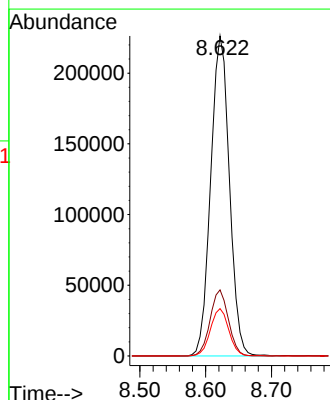
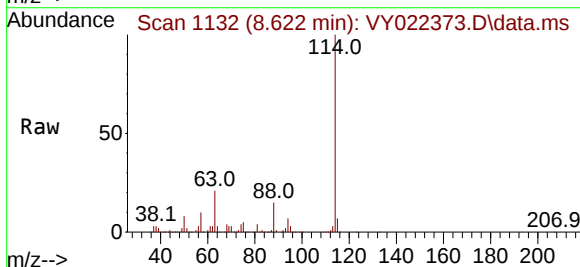
Tgt Ion: 114 Resp: 447940

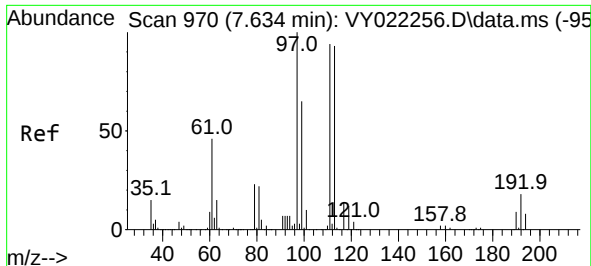
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.0

88 14.8 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.302 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY022373.D

Acq: 21 May 2025 17:28

Instrument :

MSVOA_Y

ClientSampleId :

NB-07-05202025

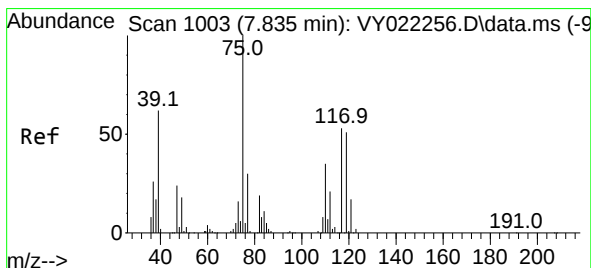
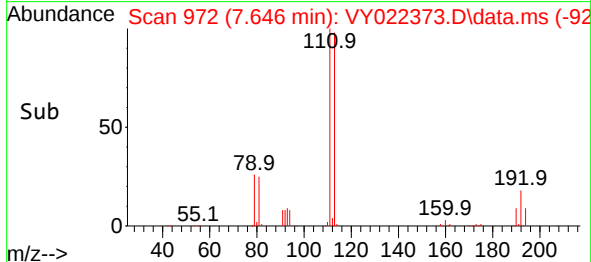
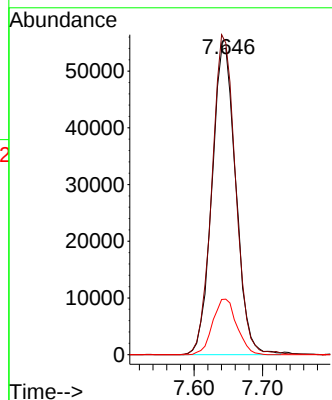
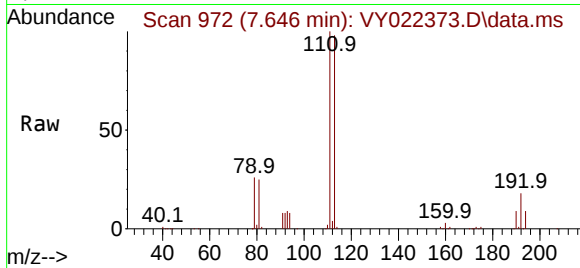
Tgt Ion:113 Resp: 131812

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 18.1 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.822 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.116 min

Lab File: VY022373.D

Acq: 21 May 2025 17:28

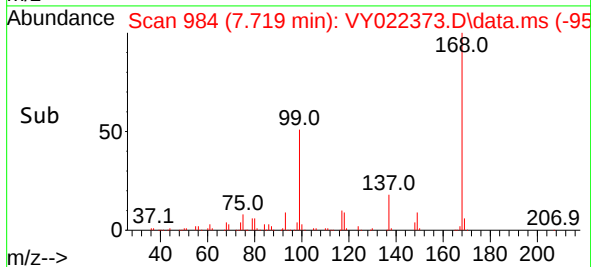
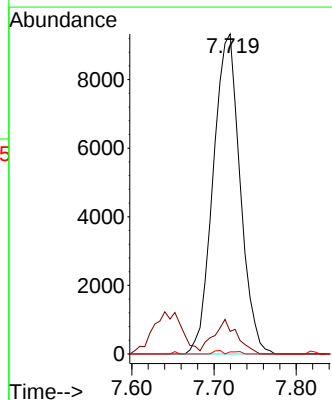
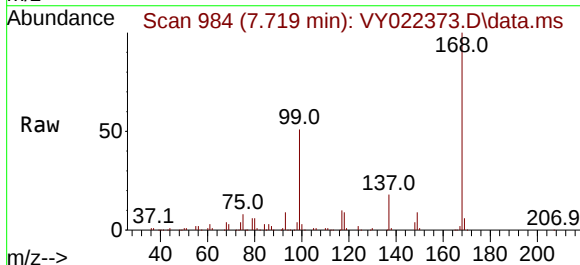
Tgt Ion: 75 Resp: 21235

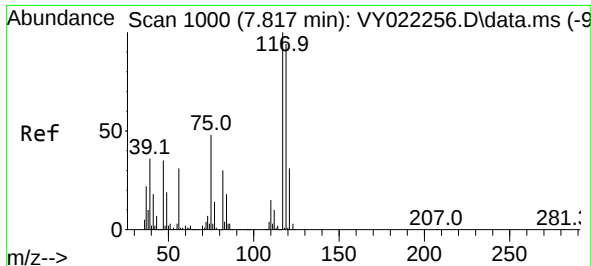
Ion Ratio Lower Upper

75 100

110 9.3 16.6 49.8#

77 0.3 24.6 37.0#

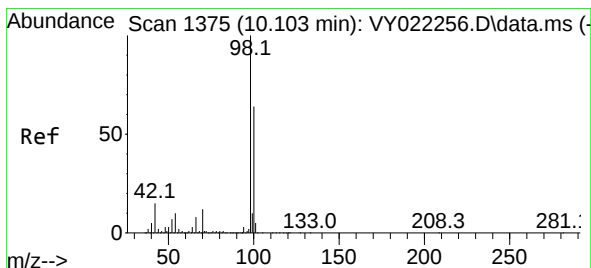
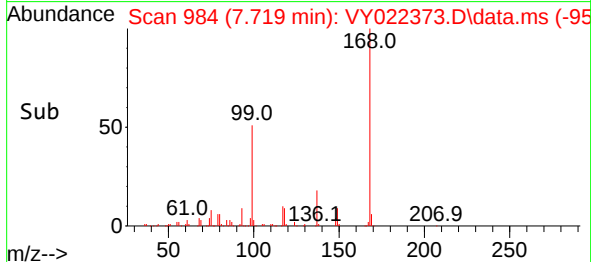
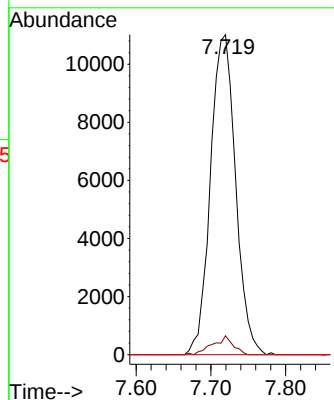
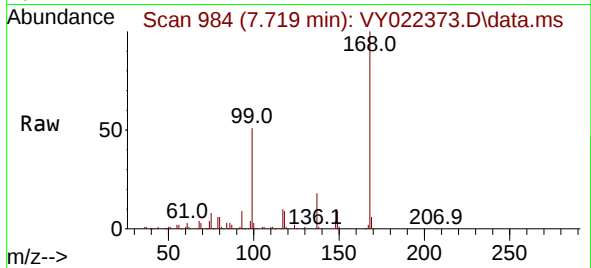




#38
Carbon Tetrachloride
Concen: 5.655 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY022373.D
Acq: 21 May 2025 17:28

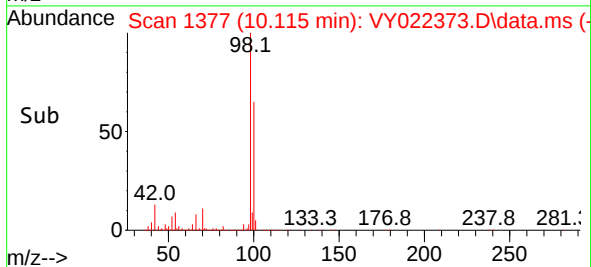
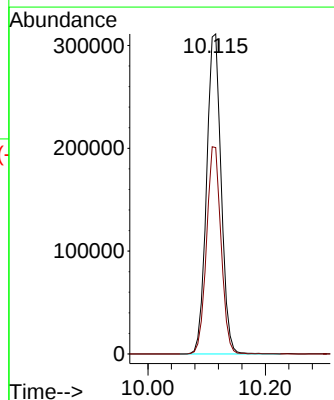
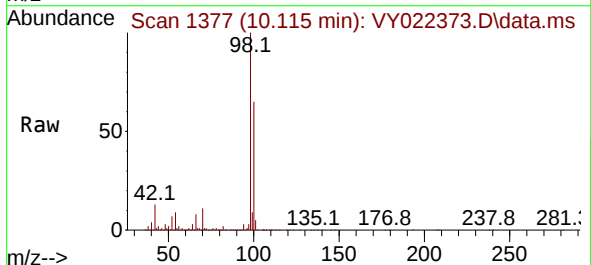
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-05202025

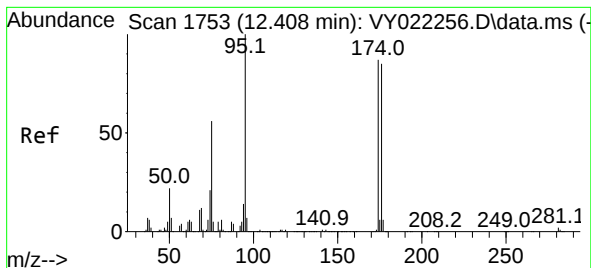
Tgt Ion:117 Resp: 25779
Ion Ratio Lower Upper
117 100
119 5.9 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.878 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022373.D
Acq: 21 May 2025 17:28

Tgt Ion: 98 Resp: 535202
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8

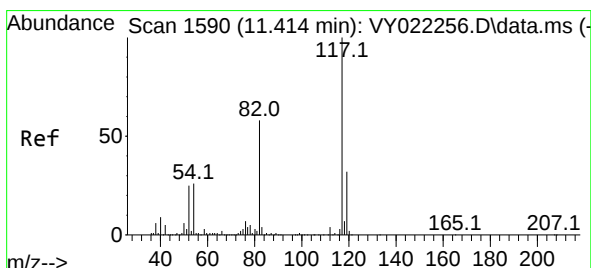
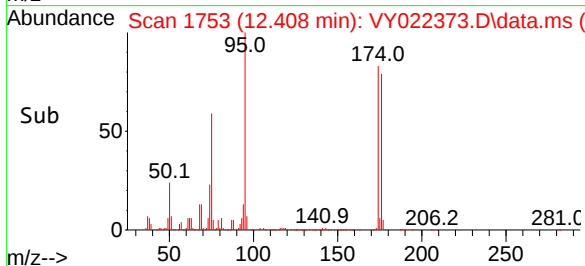
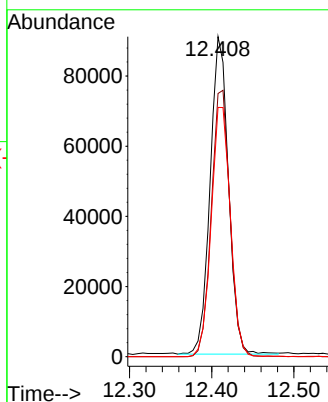
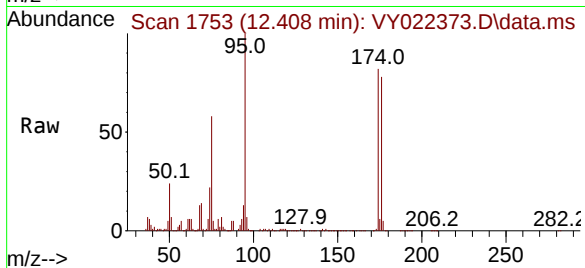




#62
4-Bromofluorobenzene
Concen: 40.550 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022373.D
Acq: 21 May 2025 17:28

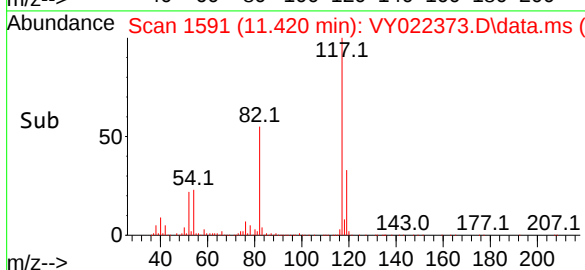
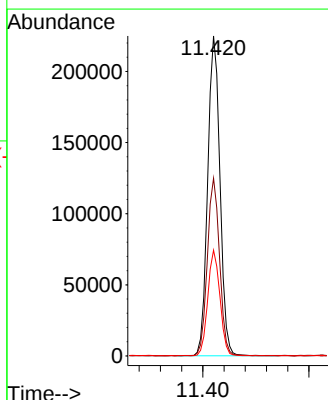
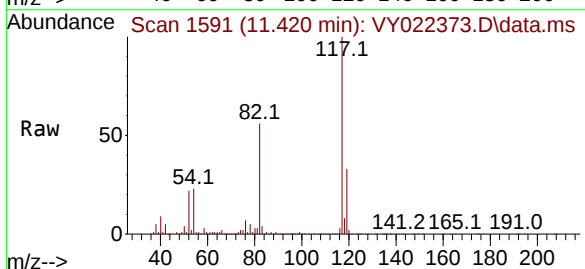
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NB-07-05202025

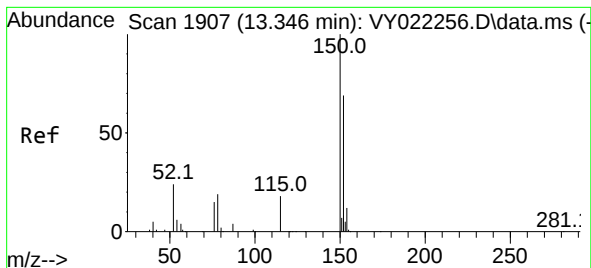
Tgt Ion: 95 Resp: 140737
Ion Ratio Lower Upper
95 100
174 85.6 0.0 166.8
176 82.2 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022373.D
Acq: 21 May 2025 17:28

Tgt Ion: 117 Resp: 360758
Ion Ratio Lower Upper
117 100
82 55.4 46.6 70.0
119 33.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY022373.D

Acq: 21 May 2025 17:28

Instrument :

MSVOA_Y

ClientSampleId :

NB-07-05202025

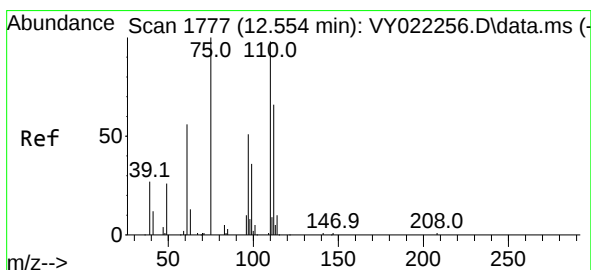
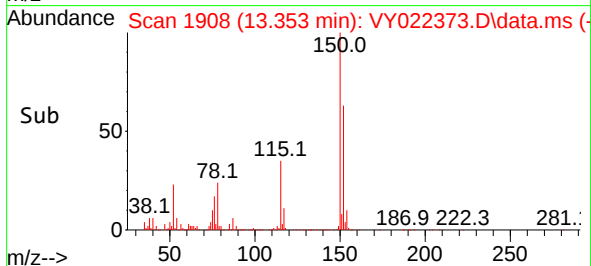
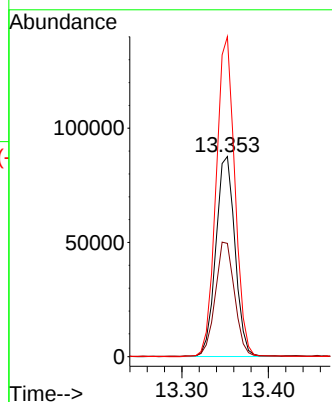
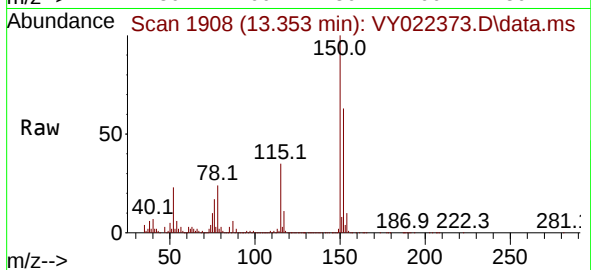
Tgt Ion:152 Resp: 134748

Ion Ratio Lower Upper

152 100

115 57.4 29.4 88.2

150 156.4 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 59.494 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022373.D

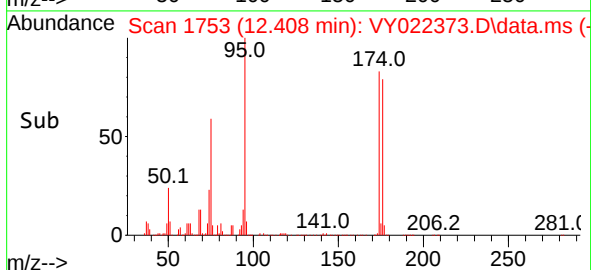
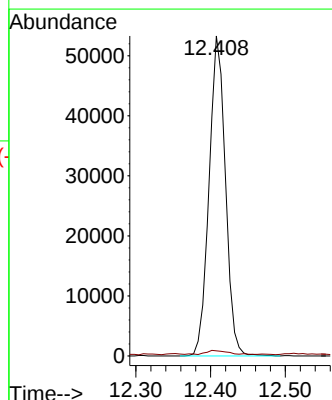
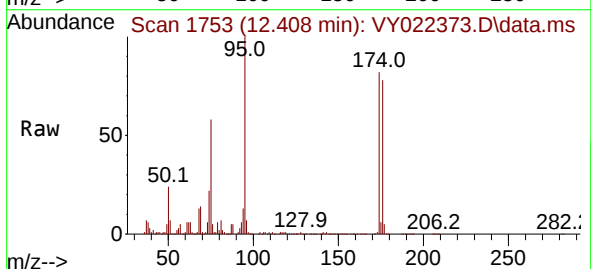
Acq: 21 May 2025 17:28

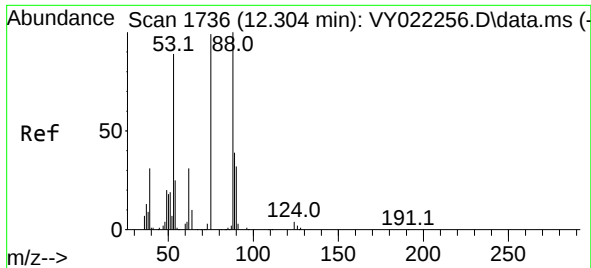
Tgt Ion: 75 Resp: 81218

Ion Ratio Lower Upper

75 100

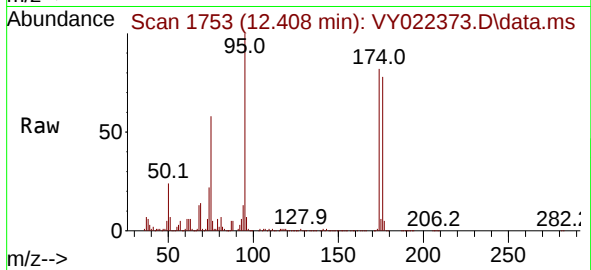
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.520 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022373.D
 Acq: 21 May 2025 17:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-07-05202025



Tgt Ion: 75 Resp: 81218
 Ion Ratio Lower Upper
 75 100
 53 0.3 75.8 113.8#
 89 0.1 36.2 54.2#

