

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051523\
 Data File : VY013729.D
 Acq On : 15 May 2023 12:09
 Operator : KP/MD
 Sample : 02745-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-051023

Quant Time: May 15 15:38:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

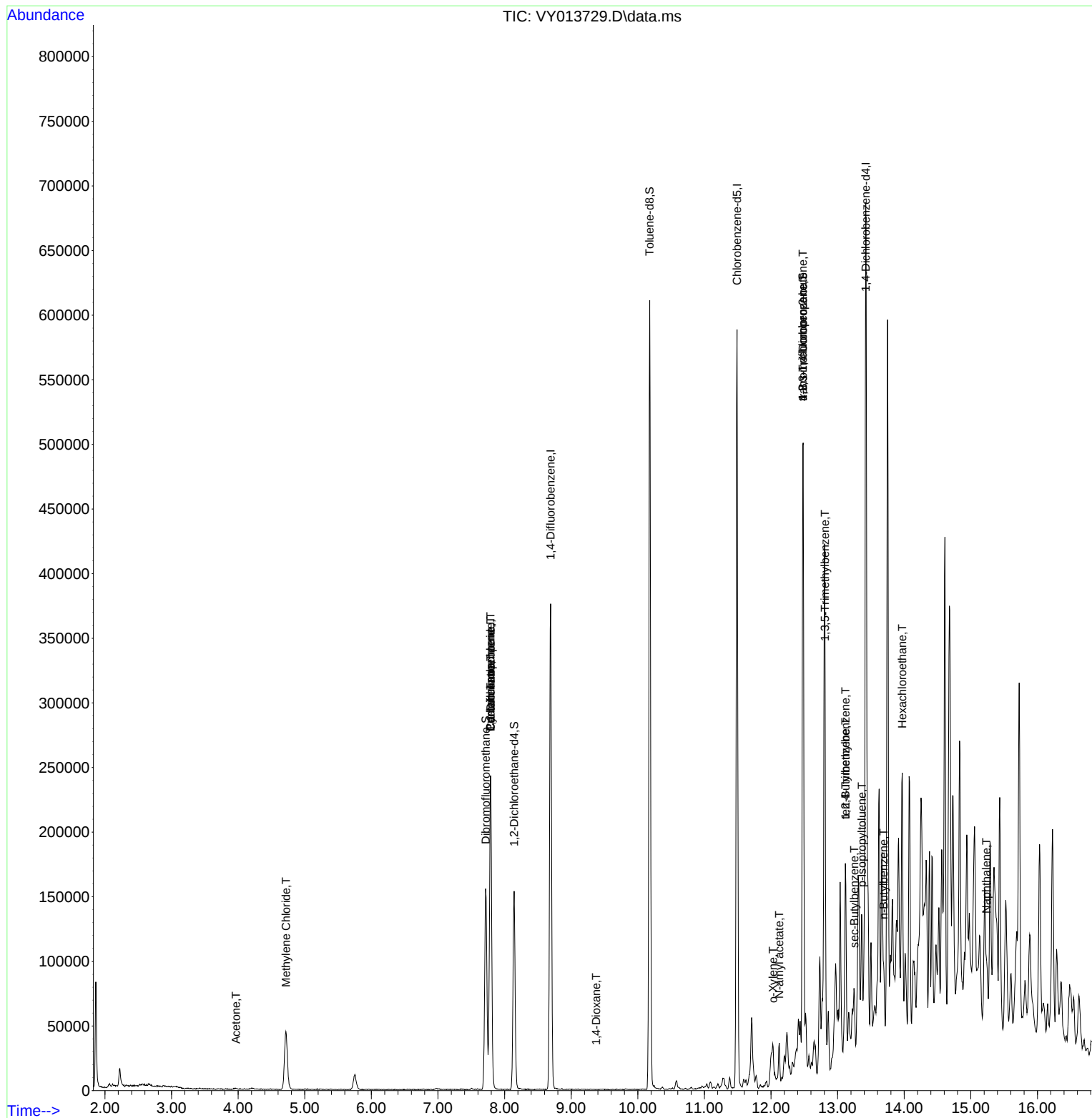
Internal Standards						
1) Pentafluorobenzene	7.789	168	187189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	315701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	305337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	149675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	120946	58.940	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.880%	
35) Dibromofluoromethane	7.716	113	106832	53.803	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.600%	
50) Toluene-d8	10.179	98	386101	54.660	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.320%	
62) 4-Bromofluorobenzene	12.477	95	137281	57.649	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 115.300%	
Target Compounds						Qvalue
13) Acrolein	3.747	56	20	Below Cal	#	1
16) Acetone	3.966	43	1632	2.020	ug/l #	84
20) Methylene Chloride	4.716	84	31757	5.315	ug/l	87
31) Cyclohexane	7.789	56	4515	1.229	ug/l #	19
36) 1,1-Dichloropropene	7.789	75	14572	4.422	ug/l #	49
38) Carbon Tetrachloride	7.789	117	17811	5.157	ug/l #	15
49) 1,4-Dioxane	9.374	88	21	1.012	ug/l #	9
69) o-Xylene	12.032	106	5560	1.324	ug/l	80
74) N-amyl acetate	12.124	43	6069	1.506	ug/l #	69
76) 1,2,3-Trichloropropane	12.477	75	75802	37.553	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	33657	3.643	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.477	75	75802	76.816	ug/l #	13
83) tert-Butylbenzene	13.117	119	9752	1.218	ug/l #	73
84) 1,2,4-Trimethylbenzene	13.117	105	73061	8.133	ug/l	99
85) sec-Butylbenzene	13.251	105	15772	1.313	ug/l	94
86) p-Isopropyltoluene	13.367	119	13225	1.369	ug/l	96
89) n-Butylbenzene	13.690	91	18357	1.947	ug/l #	71
90) Hexachloroethane	13.971	117	6996	3.440	ug/l #	9
95) Naphthalene	15.233	128	11056	1.811	ug/l #	90

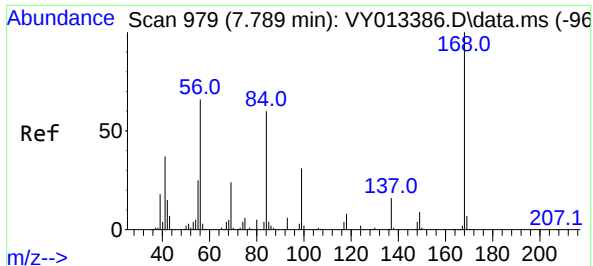
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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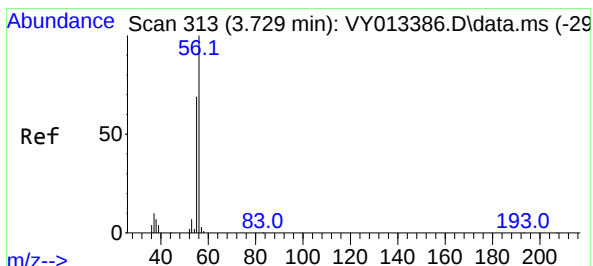
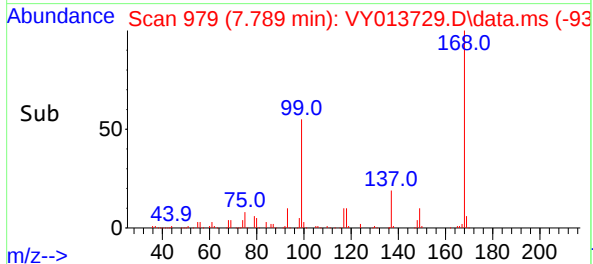
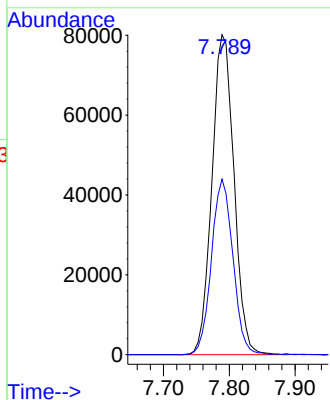
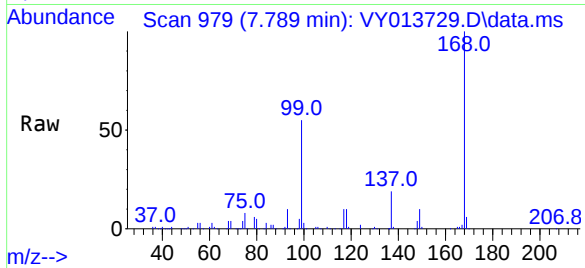




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

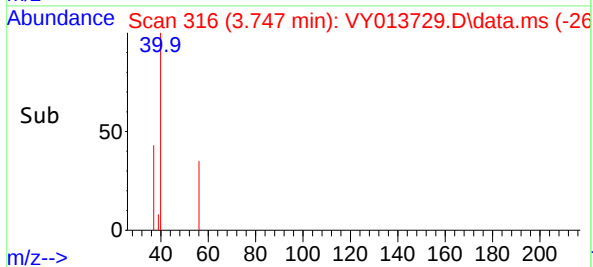
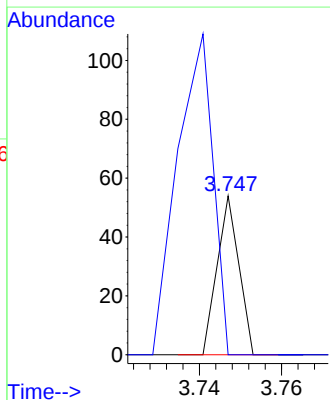
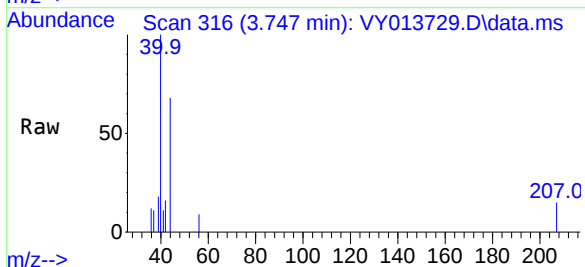
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-051023

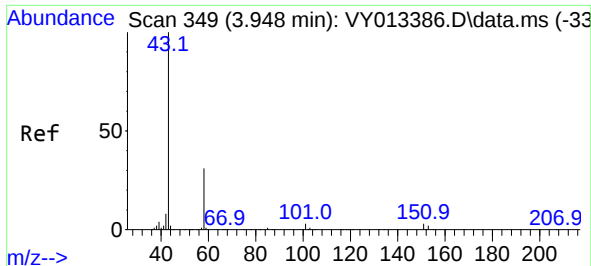
Tgt Ion:168 Resp: 187189
Ion Ratio Lower Upper
168 100
99 54.8 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 316
Delta R.T. 0.018 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 325.0 54.1 81.1#

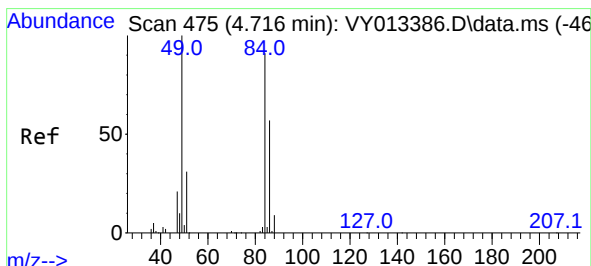
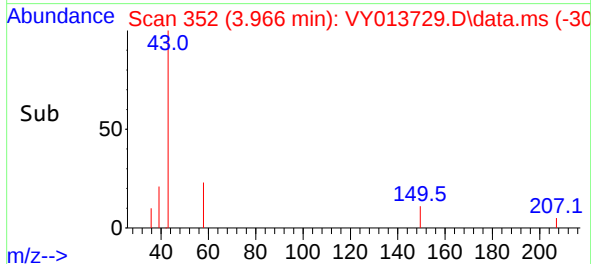
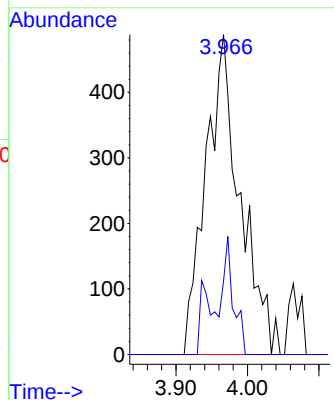
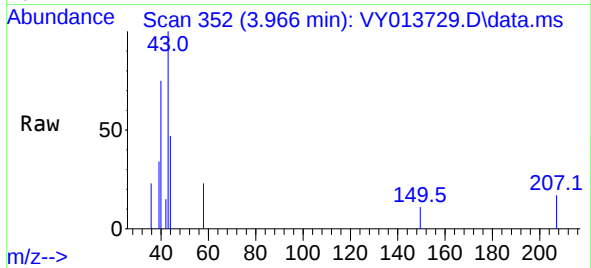




#16
Acetone
Concen: 2.020 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

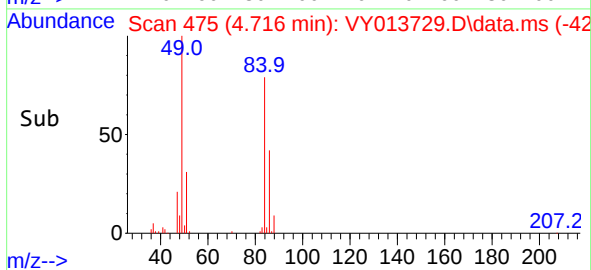
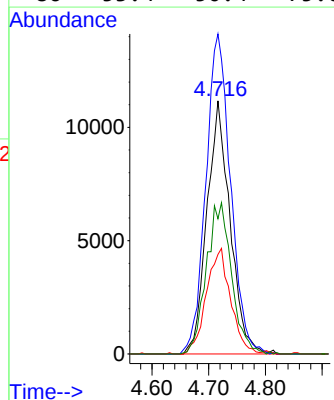
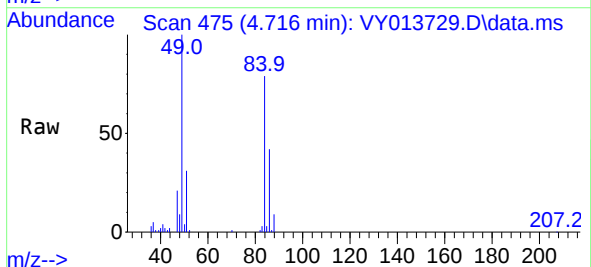
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-051023

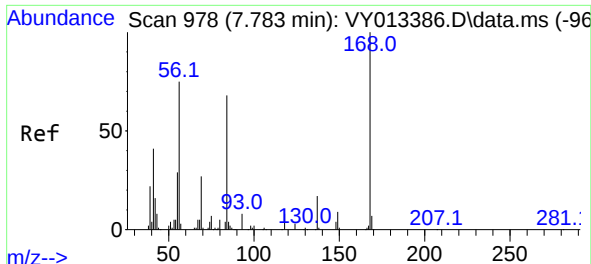
Tgt Ion: 43 Resp: 1632
Ion Ratio Lower Upper
43 100
58 23.0 25.4 38.0#



#20
Methylene Chloride
Concen: 5.315 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

Tgt Ion: 84 Resp: 31757
Ion Ratio Lower Upper
84 100
49 126.5 88.0 132.0
51 39.3 27.4 41.0
86 53.4 50.4 75.6

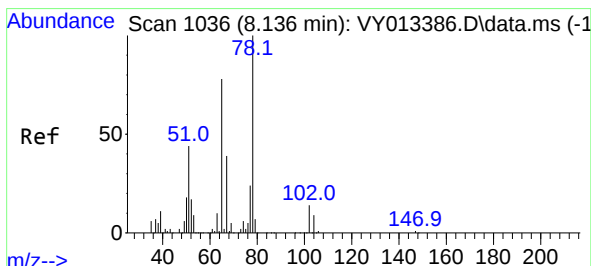
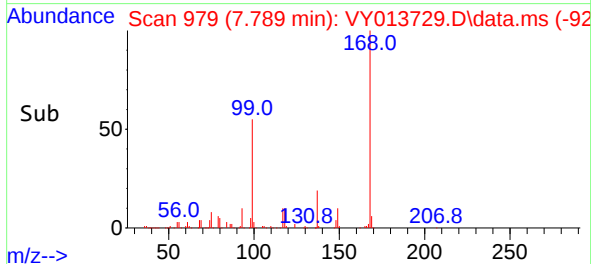
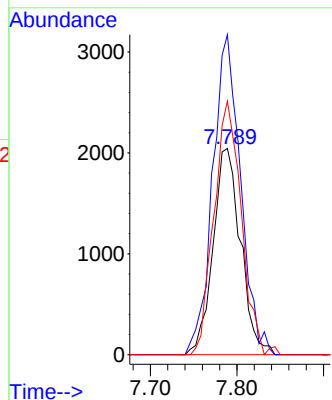
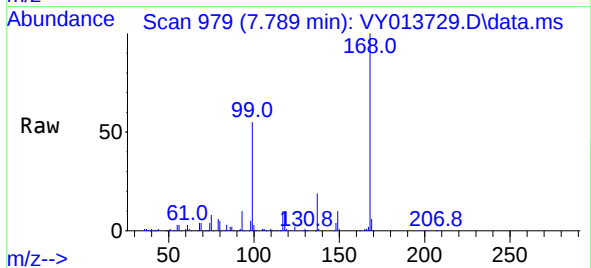




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

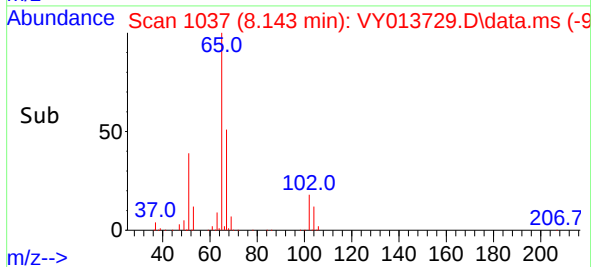
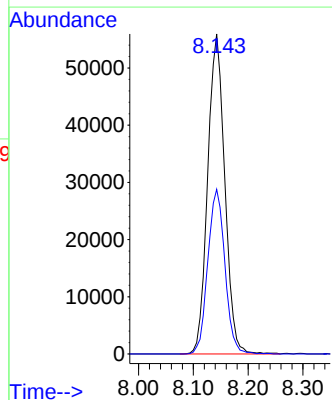
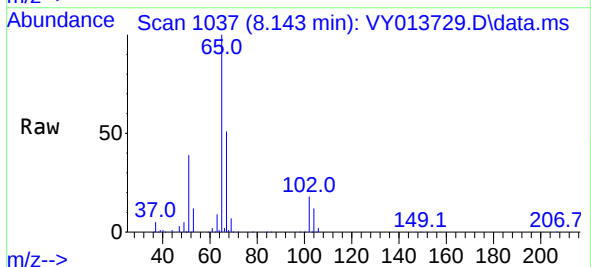
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-051023

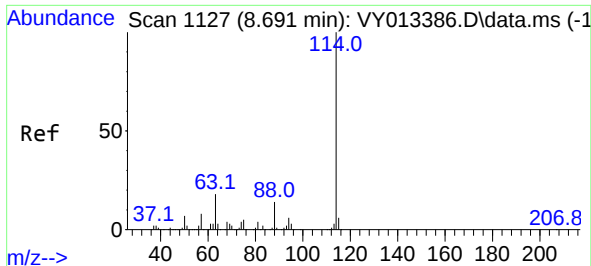
Tgt Ion: 56 Resp: 4515
Ion Ratio Lower Upper
56 100
69 155.2 29.2 43.8#
84 123.0 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 58.940 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

Tgt Ion: 65 Resp: 120946
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4

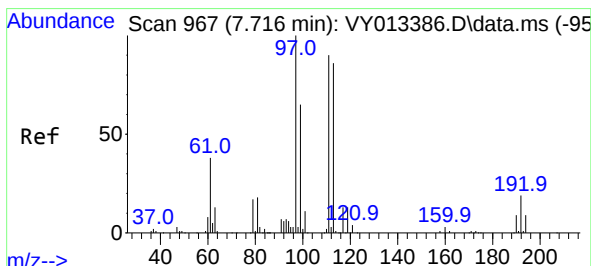
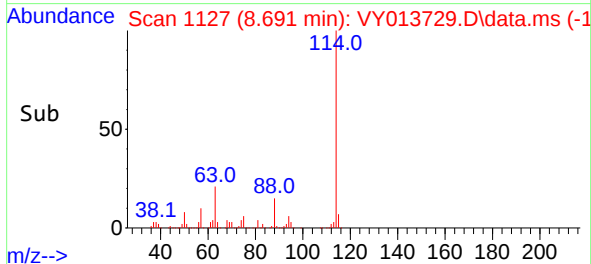
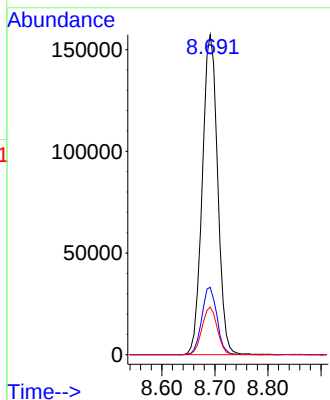
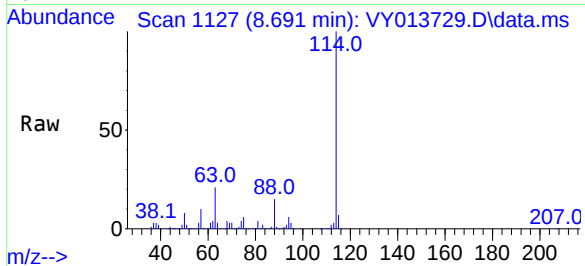




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

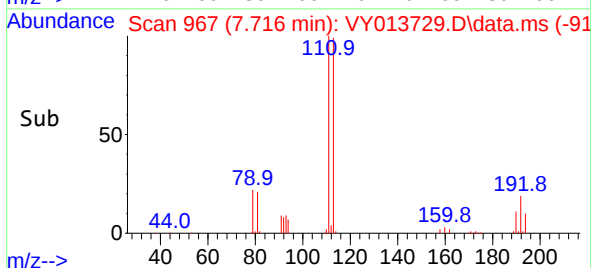
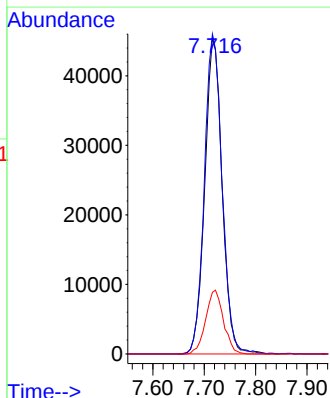
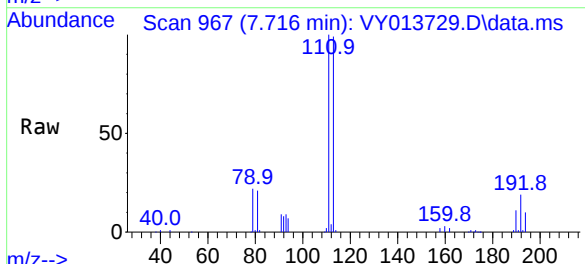
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-051023

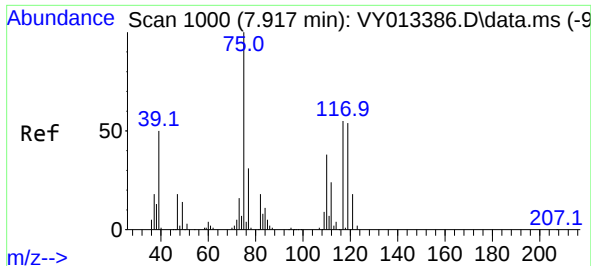
Tgt Ion:	114	Resp:	315701
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	36.6
88	14.8	0.0	28.8



#35
Dibromofluoromethane
Concen: 53.803 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

Tgt Ion:	113	Resp:	106832
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.2
192	20.6	16.7	25.1





#36

1,1-Dichloropropene

Concen: 4.422 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013729.D

Acq: 15 May 2023 12:09

Instrument :

MSVOA_Y

ClientSampleId :

NB-08-051023

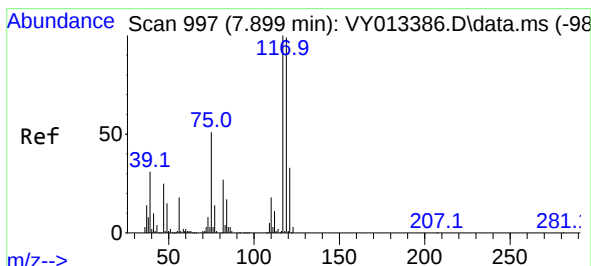
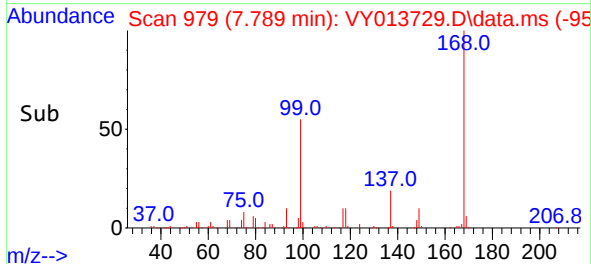
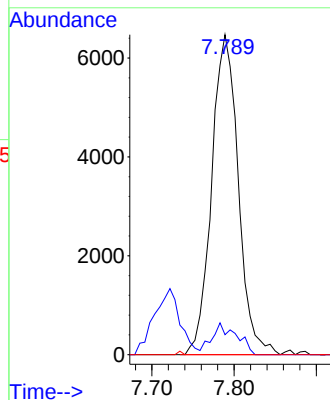
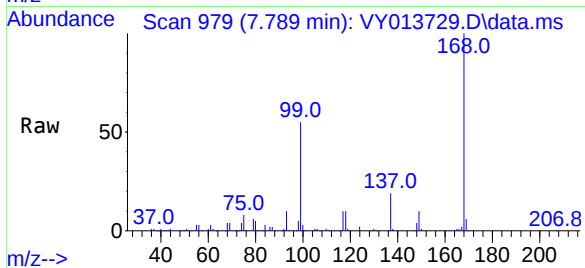
Tgt Ion: 75 Resp: 14572

Ion Ratio Lower Upper

75 100

110 9.2 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.157 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013729.D

Acq: 15 May 2023 12:09

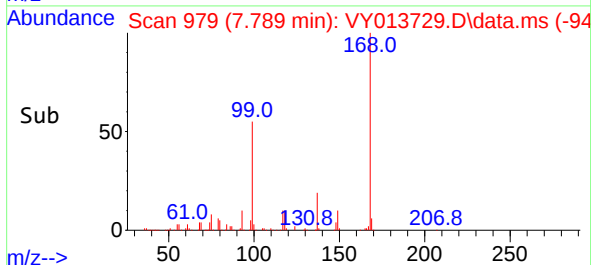
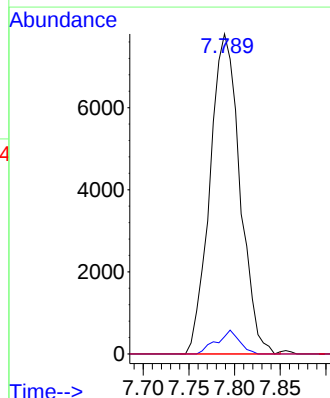
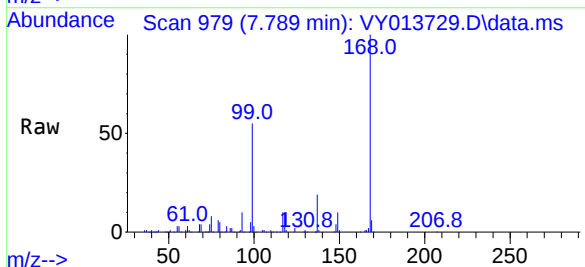
Tgt Ion: 117 Resp: 17811

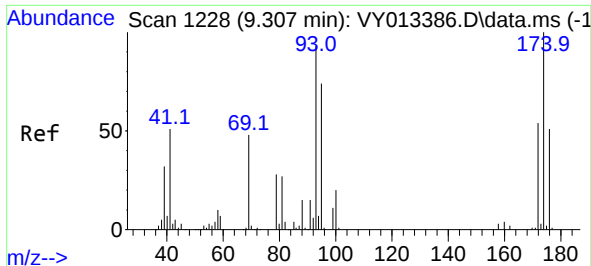
Ion Ratio Lower Upper

117 100

119 5.4 79.0 118.6#

121 0.0 26.6 40.0#





#49

1,4-Dioxane

Concen: 1.012 ug/l

RT: 9.374 min Scan# 11

Delta R.T. 0.067 min

Lab File: VY013729.D

Acq: 15 May 2023 12:09

Instrument :

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ClientSampleId :

NB-08-051023

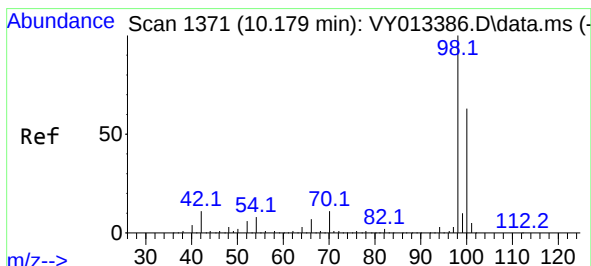
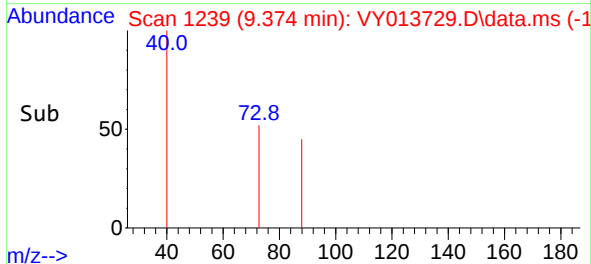
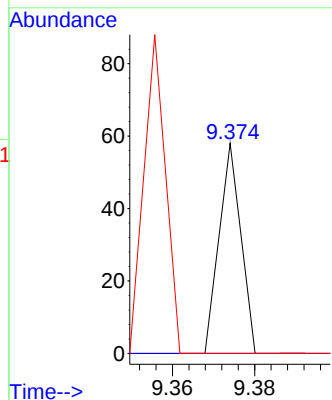
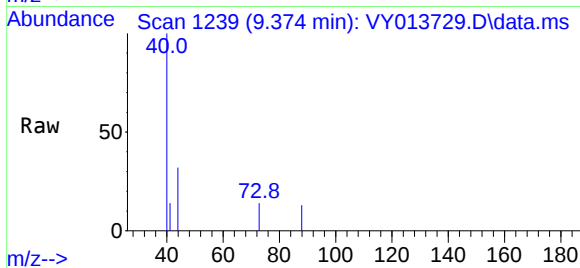
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 16.8 25.2#

58 152.4 54.3 81.5#



#50

Toluene-d8

Concen: 54.660 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013729.D

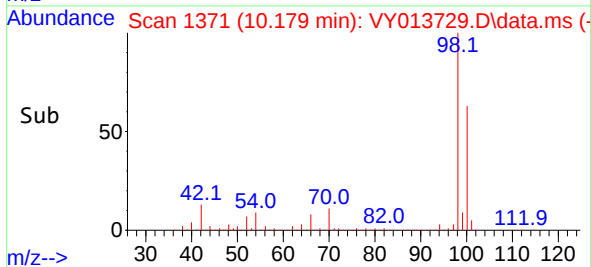
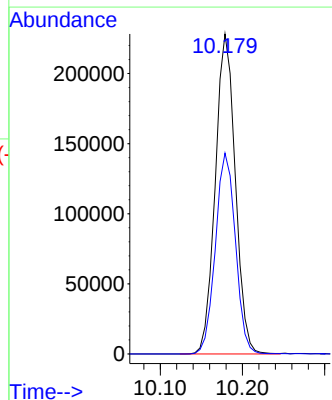
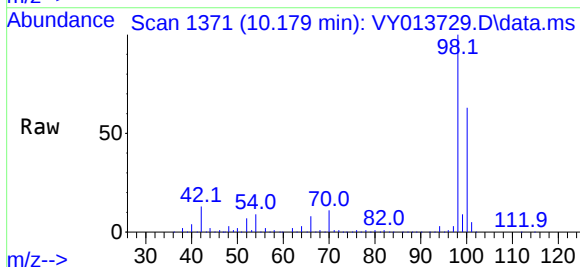
Acq: 15 May 2023 12:09

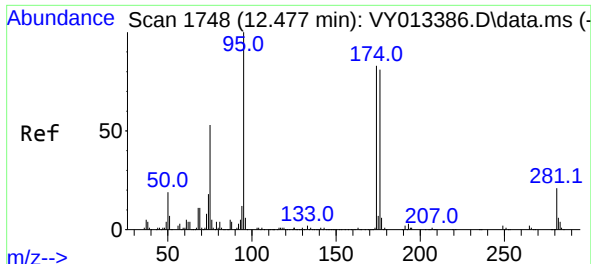
Tgt Ion: 98 Resp: 386101

Ion Ratio Lower Upper

98 100

100 62.8 50.5 75.7

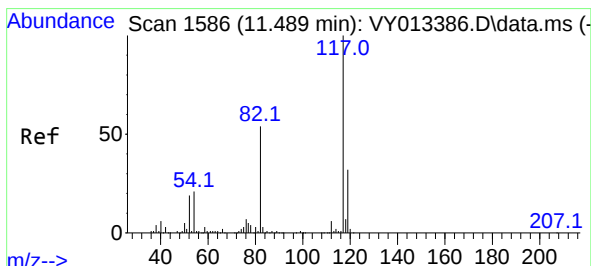
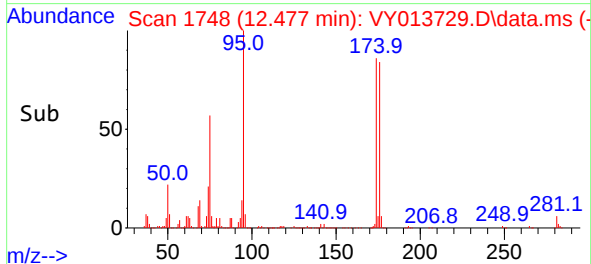
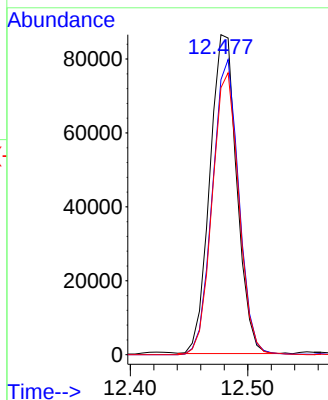
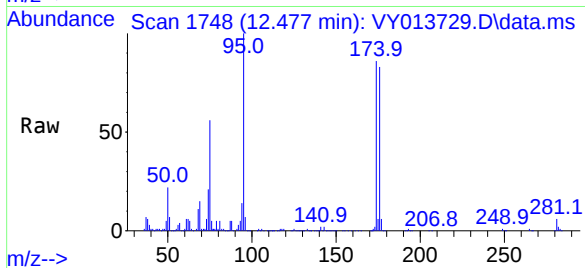




#62
4-Bromofluorobenzene
Concen: 57.649 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

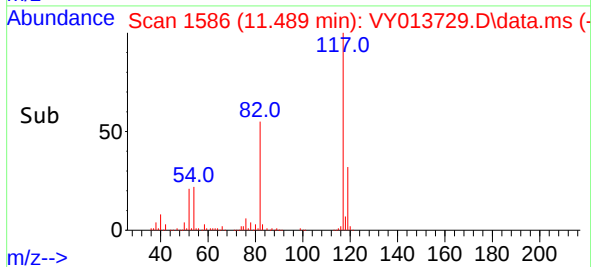
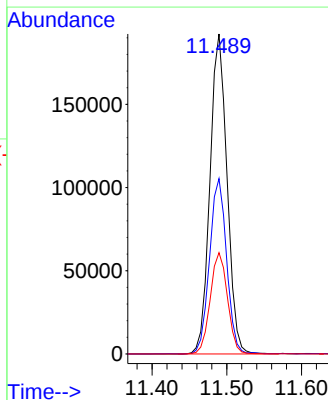
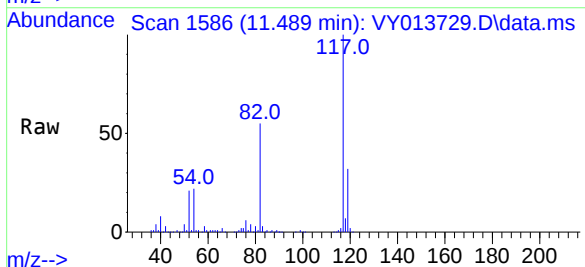
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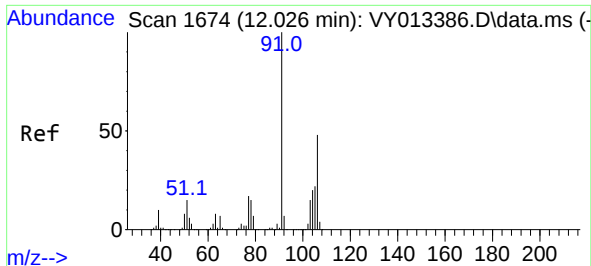
Tgt Ion: 95 Resp: 137281
Ion Ratio Lower Upper
95 100
174 90.8 0.0 182.0
176 87.4 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

Tgt Ion: 117 Resp: 305337
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.6
119 31.7 25.5 38.3

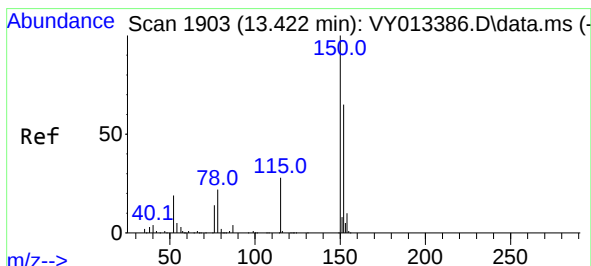
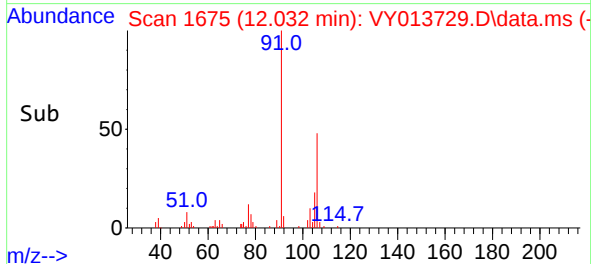
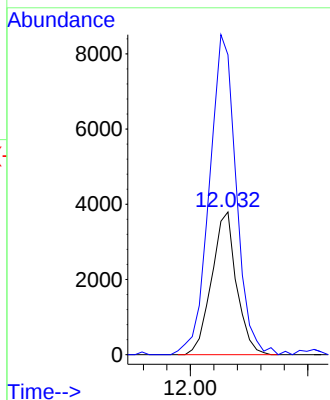
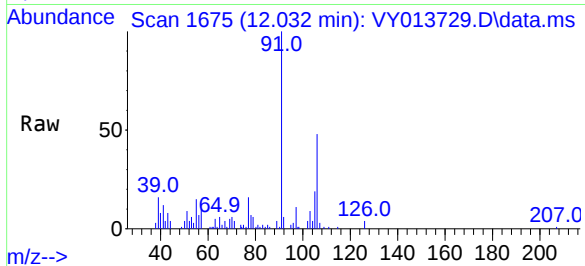




#69
o-Xylene
Concen: 1.324 ug/l
RT: 12.032 min Scan# 106
Delta R.T. 0.006 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

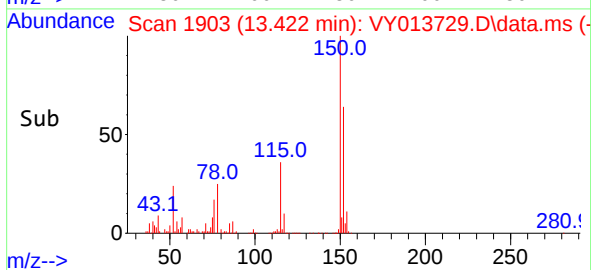
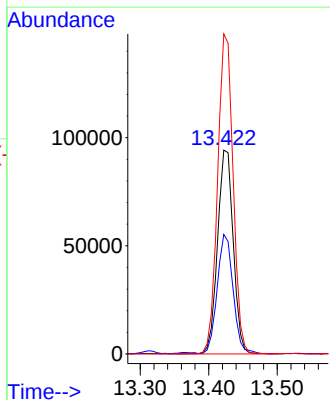
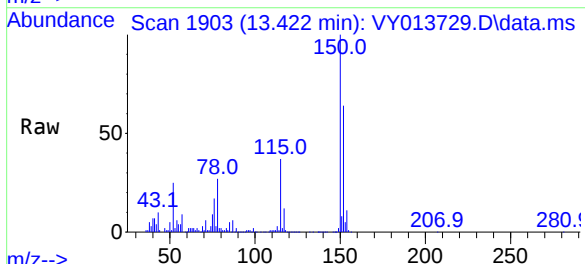
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-051023

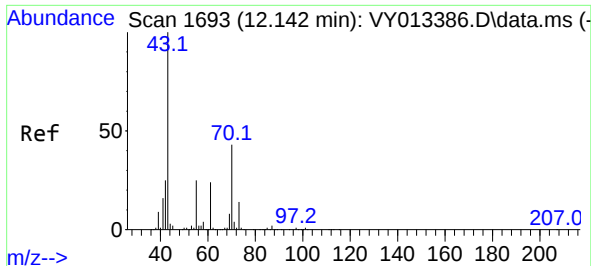
Tgt Ion:106 Resp: 5560
Ion Ratio Lower Upper
106 100
91 242.6 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

Tgt Ion:152 Resp: 149675
Ion Ratio Lower Upper
152 100
115 59.1 28.1 84.2
150 154.2 0.0 352.0

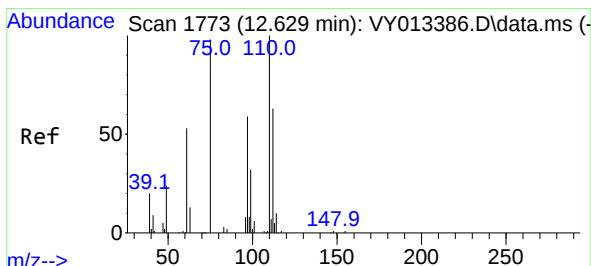
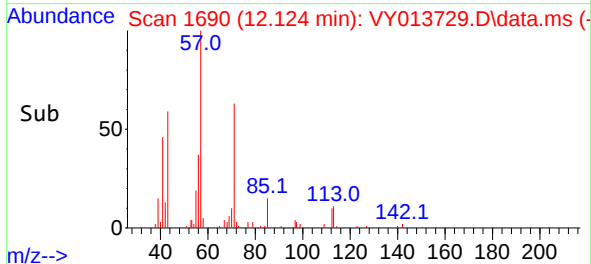
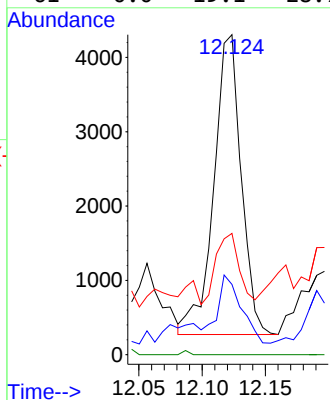
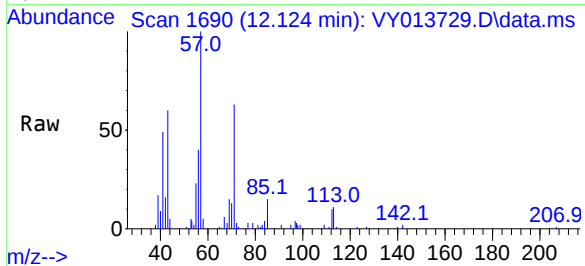




#74
N-amy1 acetate
Concen: 1.506 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

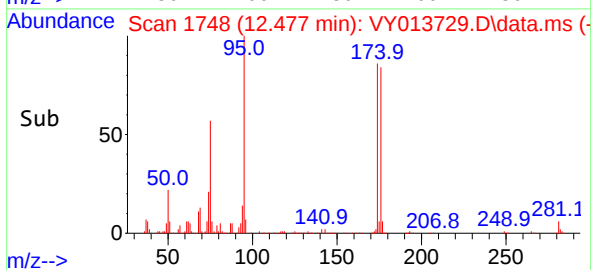
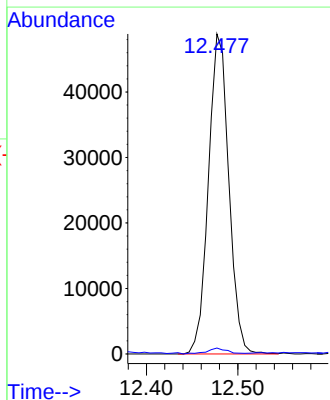
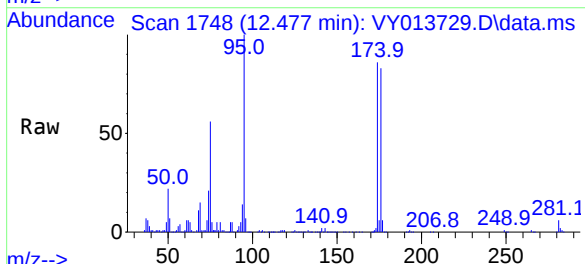
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-051023

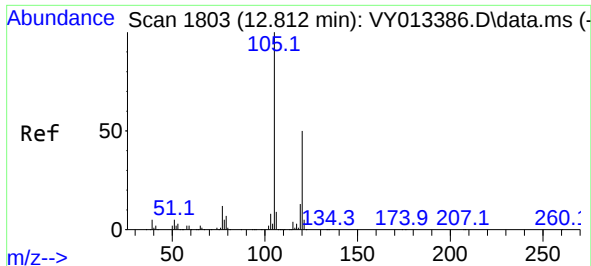
Tgt Ion:	43	Resp:	6069
Ion	Ratio	Lower	Upper
43	100		
70	19.8	33.0	49.4#
55	20.0	19.8	29.6
61	0.0	19.1	28.7#



#76
1,2,3-Trichloropropane
Concen: 37.553 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

Tgt Ion:	75	Resp:	75802
Ion	Ratio	Lower	Upper
75	100		
77	1.8	0.0	0.0#

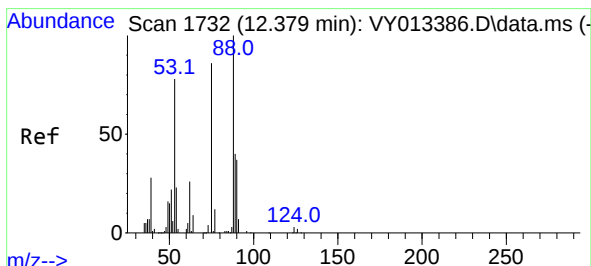
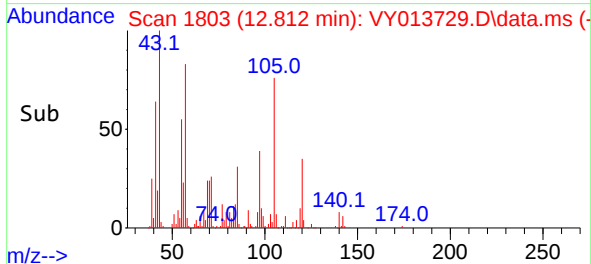
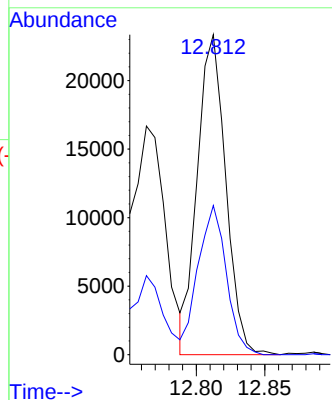
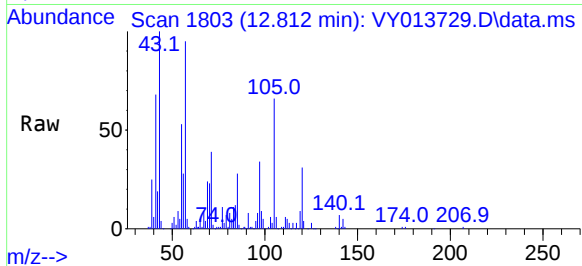




#80
1,3,5-Trimethylbenzene
Concen: 3.643 ug/l
RT: 12.812 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

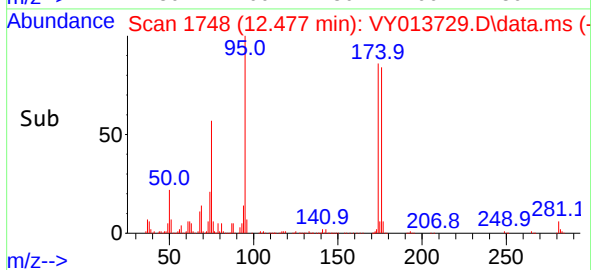
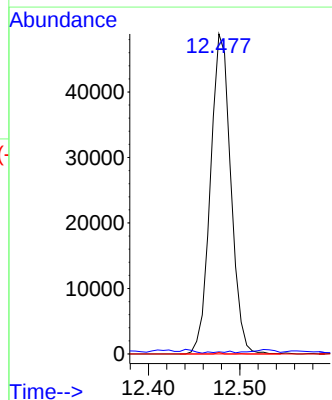
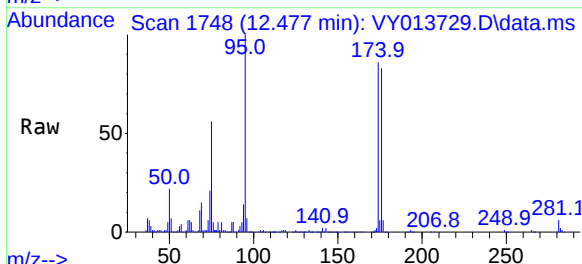
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-051023

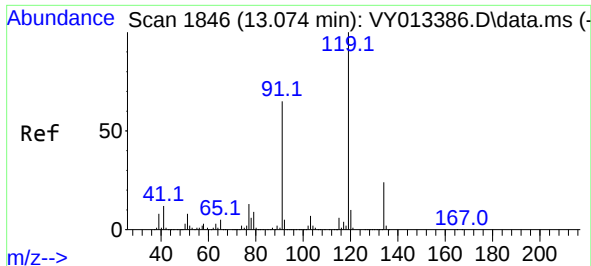
Tgt Ion:105 Resp: 33657
Ion Ratio Lower Upper
105 100
120 46.5 24.7 74.1



#81
trans-1,4-Dichloro-2-butene
Concen: 76.816 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

Tgt Ion: 75 Resp: 75802
Ion Ratio Lower Upper
75 100
53 0.5 73.2 109.8#
89 0.1 38.0 57.0#

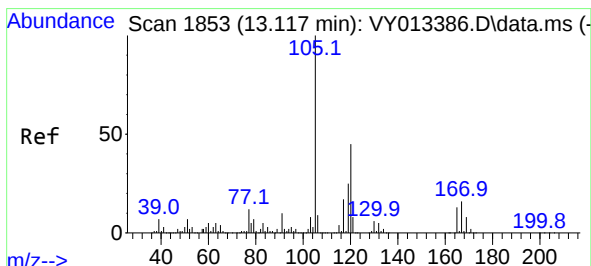
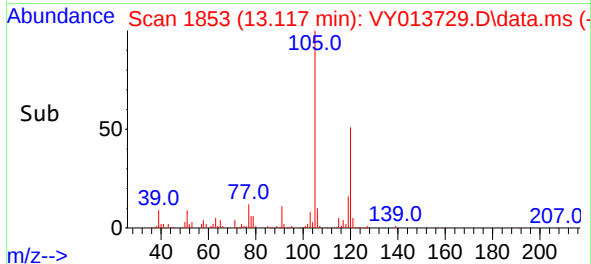
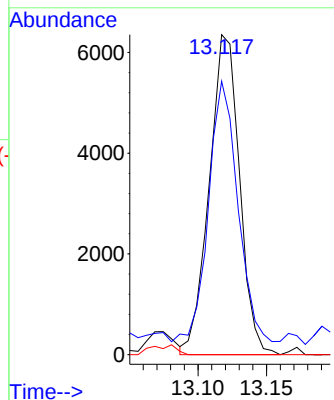
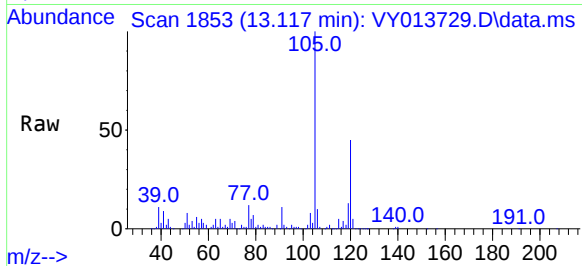




#83
tert-Butylbenzene
Concen: 1.218 ug/l
RT: 13.117 min Scan# 1846
Delta R.T. 0.043 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

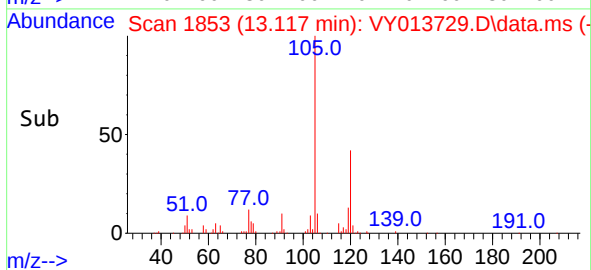
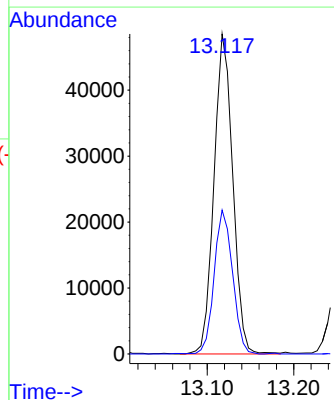
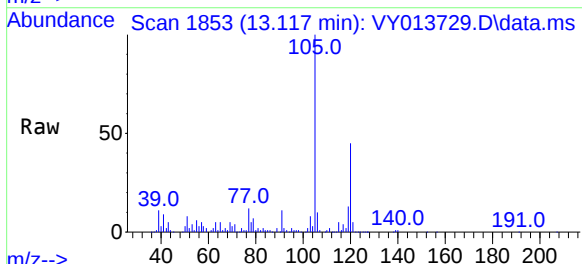
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-051023

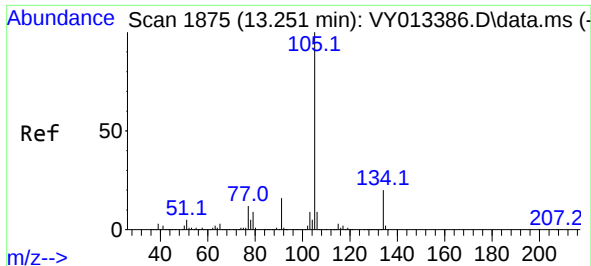
Tgt Ion:119 Resp: 9752
Ion Ratio Lower Upper
119 100
91 78.1 32.2 96.6
134 0.0 13.0 38.9#



#84
1,2,4-Trimethylbenzene
Concen: 8.133 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

Tgt Ion:105 Resp: 73061
Ion Ratio Lower Upper
105 100
120 44.1 22.3 66.9

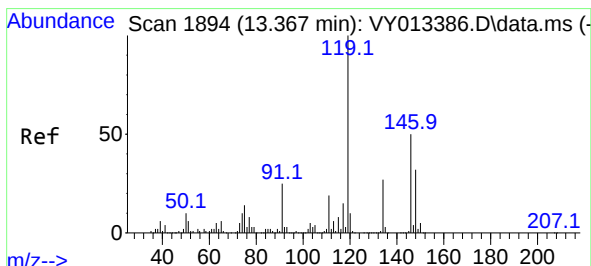
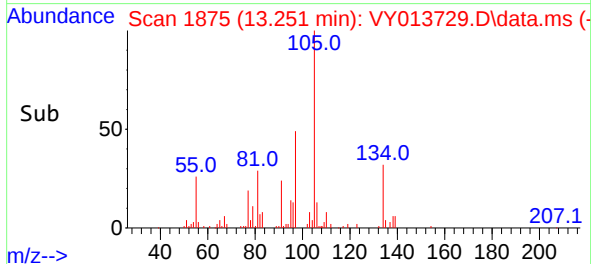
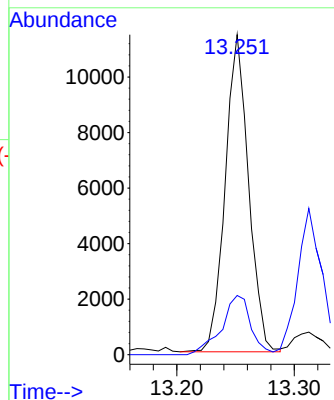
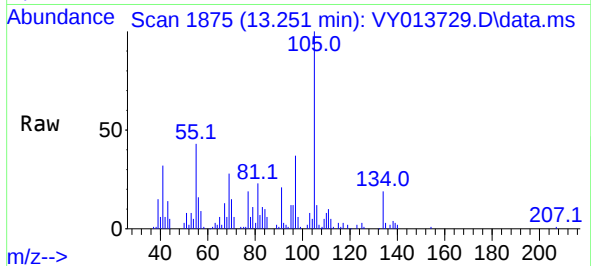




#85
 sec-Butylbenzene
 Concen: 1.313 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY013729.D
 Acq: 15 May 2023 12:09

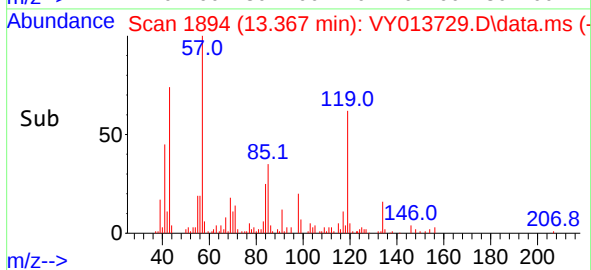
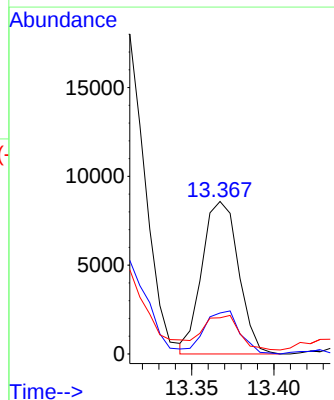
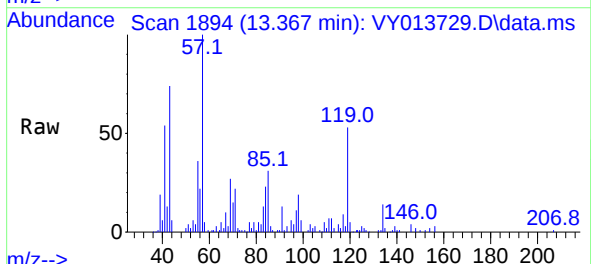
Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-051023

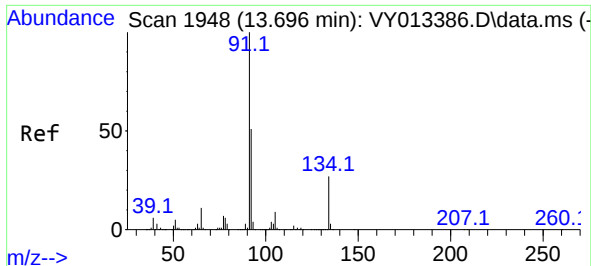
Tgt Ion:105 Resp: 15772
 Ion Ratio Lower Upper
 105 100
 134 23.4 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 1.369 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY013729.D
 Acq: 15 May 2023 12:09

Tgt Ion:119 Resp: 13225
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.4 40.2
 91 21.5 12.1 36.3





#89

n-Butylbenzene

Concen: 1.947 ug/l

RT: 13.690 min Scan# 1948

Delta R.T. -0.006 min

Lab File: VY013729.D

Acq: 15 May 2023 12:09

Instrument :

MSVOA_Y

ClientSampleId :

NB-08-051023

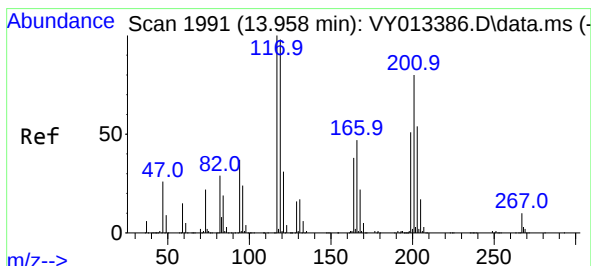
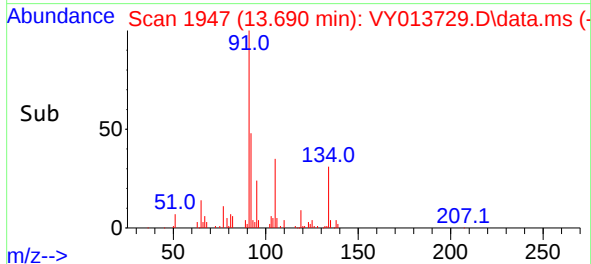
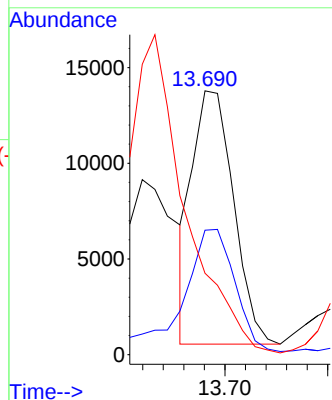
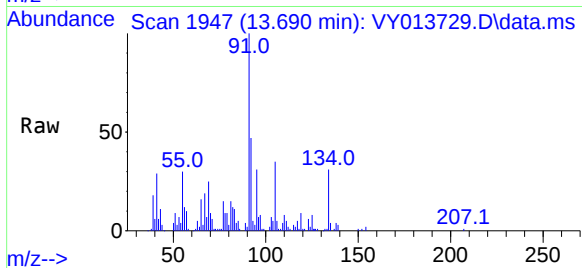
Tgt Ion: 91 Resp: 18357

Ion Ratio Lower Upper

91 100

92 63.5 25.8 77.3

134 0.0 13.5 40.4#



#90

Hexachloroethane

Concen: 3.440 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.013 min

Lab File: VY013729.D

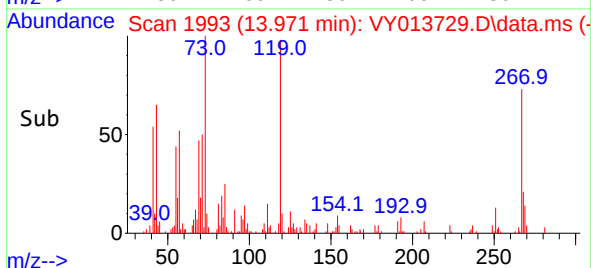
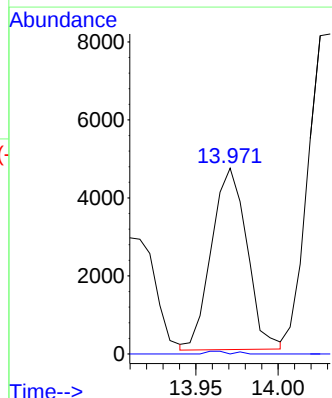
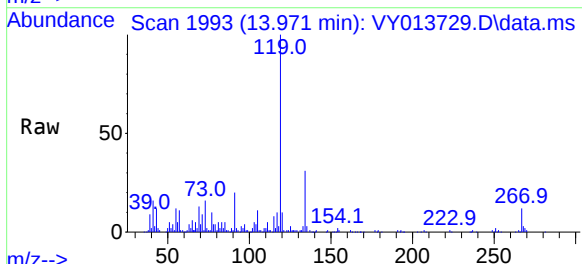
Acq: 15 May 2023 12:09

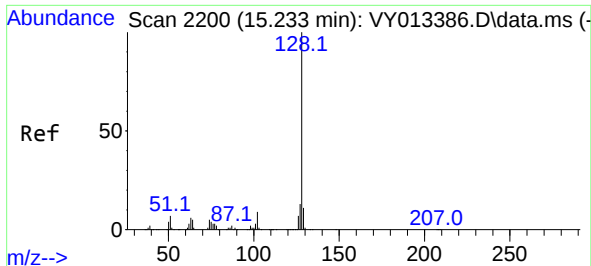
Tgt Ion: 117 Resp: 6996

Ion Ratio Lower Upper

117 100

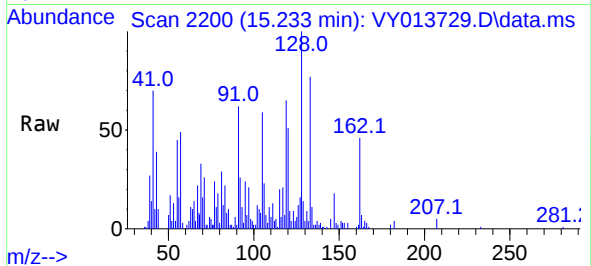
201 1.0 41.6 124.8#





#95
Naphthalene
Concen: 1.811 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013729.D
Acq: 15 May 2023 12:09

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-051023



Tgt Ion:128 Resp: 11056
Ion Ratio Lower Upper
128 100
127 20.1 10.7 16.1#
129 10.5 8.8 13.2

