

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051524\
 Data File : VY018273.D
 Acq On : 15 May 2024 15:27
 Operator : SY/MD
 Sample : P2482-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-02-229

Quant Time: May 16 03:06:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

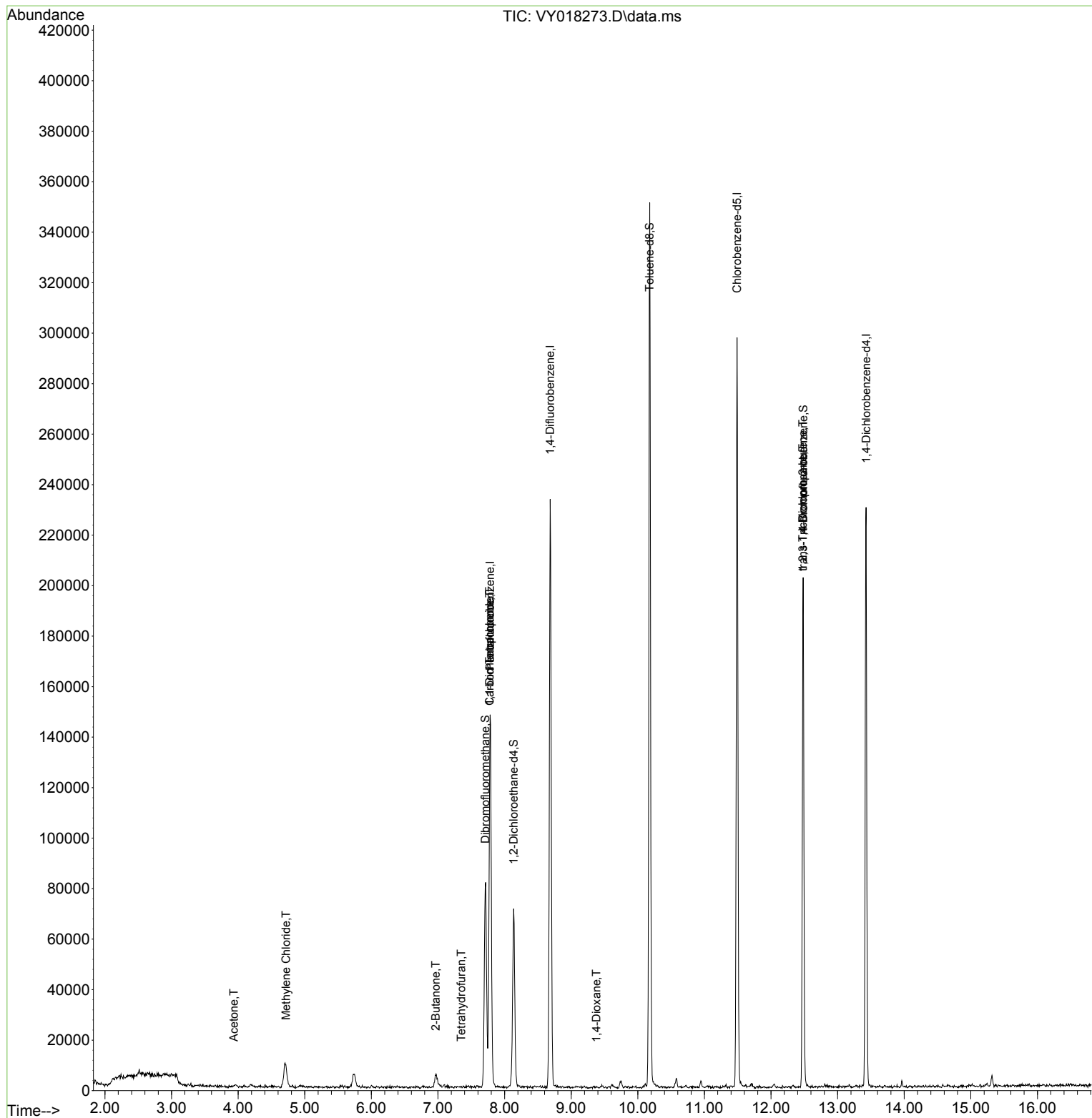
Internal Standards						
1) Pentafluorobenzene	7.783	168	116025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	206154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	170096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	58377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	48670	57.020	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.040%			
35) Dibromofluoromethane	7.709	113	58333	53.841	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.680%			
50) Toluene-d8	10.178	98	233222	54.626	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.260%			
62) 4-Bromofluorobenzene	12.483	95	63647	46.162	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.320%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.935	59	211	Below Cal	#	77
13) Acrolein	3.753	56	97	Below Cal	#	1
16) Acetone	3.936	43	1120	6.575	ug/l #	78
20) Methylene Chloride	4.716	84	7280	6.047	ug/l	92
25) 2-Butanone	6.966	43	318	1.168	ug/l #	41
29) Tetrahydrofuran	7.350	42	193	1.074	ug/l #	26
31) Cyclohexane	7.783	56	2595	Below Cal	#	20
36) 1,1-Dichloropropene	7.776	75	8891	5.724	ug/l #	51
38) Carbon Tetrachloride	7.776	117	11468	6.757	ug/l #	16
49) 1,4-Dioxane	9.380	88	49	5.879	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	32243	69.003	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	32243	132.945	ug/l #	16

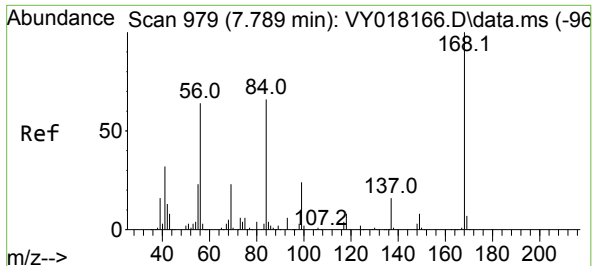
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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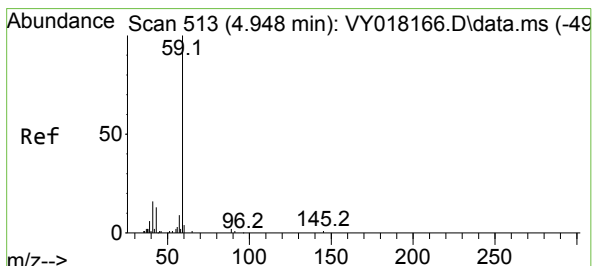
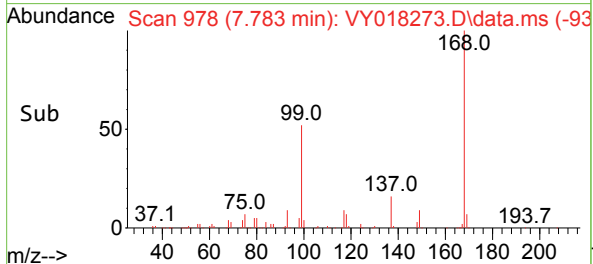
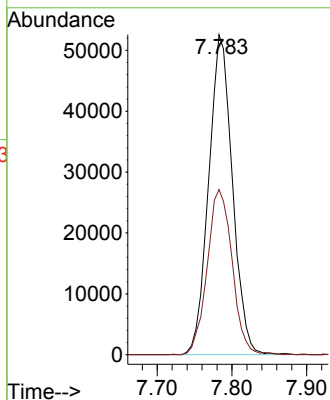
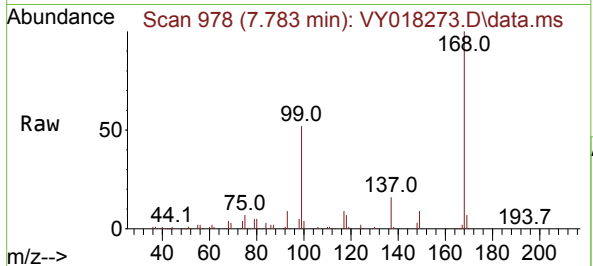




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018273.D
Acq: 15 May 2024 15:27

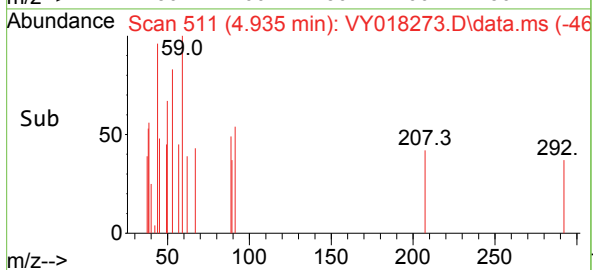
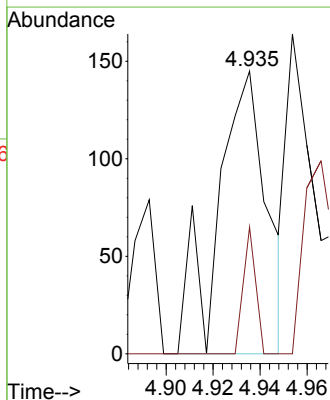
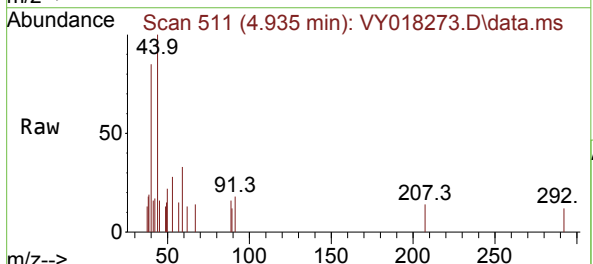
Instrument :
MSVOA_Y
ClientSampleId :
SW-02-229

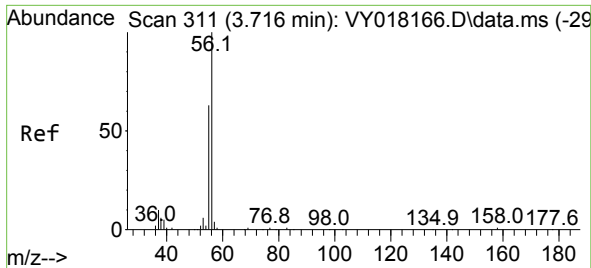
Tgt Ion:168 Resp: 116025
Ion Ratio Lower Upper
168 100
99 51.6 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.935 min Scan# 511
Delta R.T. -0.013 min
Lab File: VY018273.D
Acq: 15 May 2024 15:27

Tgt Ion: 59 Resp: 211
Ion Ratio Lower Upper
59 100
57 11.4 3.0 4.6#

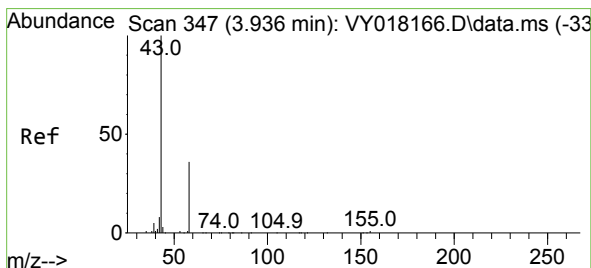
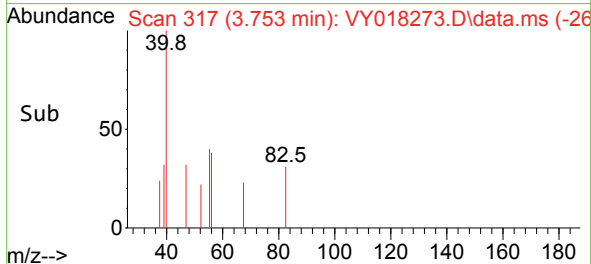
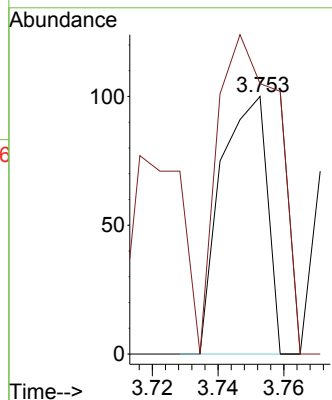
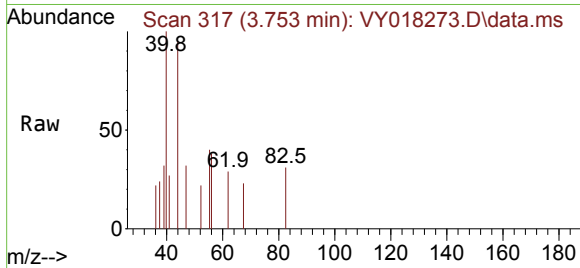




#13
Acrolein
Concen: Below Cal
RT: 3.753 min Scan# 311
Delta R.T. 0.037 min
Lab File: VY018273.D
Acq: 15 May 2024 15:27

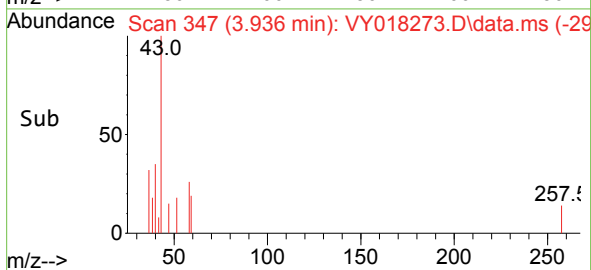
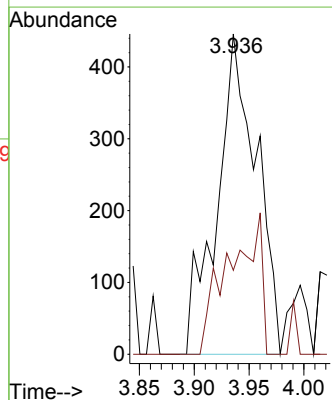
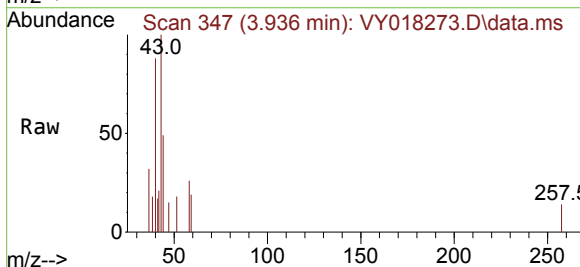
Instrument :
MSVOA_Y
ClientSampleId :
SW-02-229

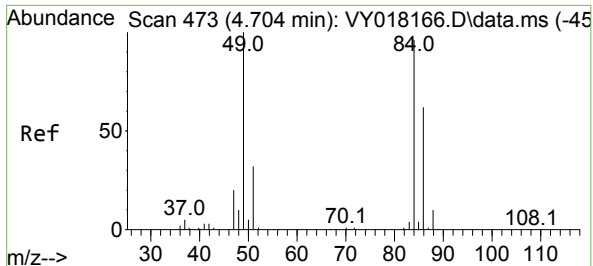
Tgt Ion: 56 Resp: 97
Ion Ratio Lower Upper
56 100
55 162.9 55.7 83.5#



#16
Acetone
Concen: 6.575 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY018273.D
Acq: 15 May 2024 15:27

Tgt Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
58 26.2 31.7 47.5#





#20

Methylene Chloride

Concen: 6.047 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY018273.D

Acq: 15 May 2024 15:27

Instrument :

MSVOA_Y

ClientSampleId :

SW-02-229

Tgt Ion: 84 Resp: 7280

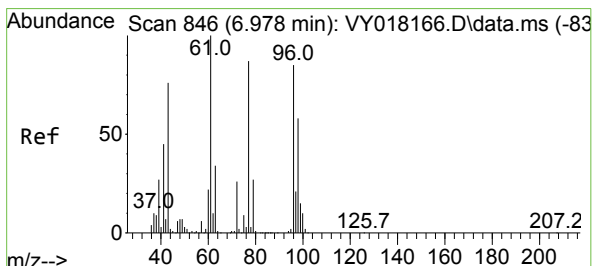
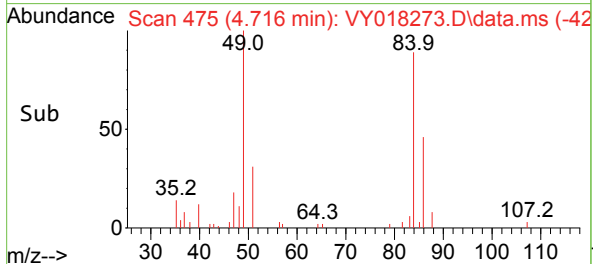
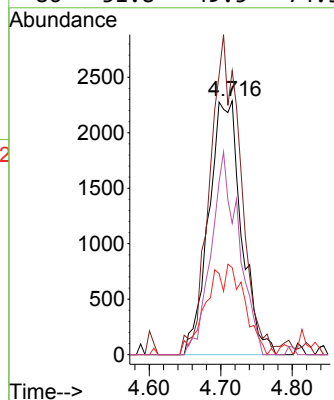
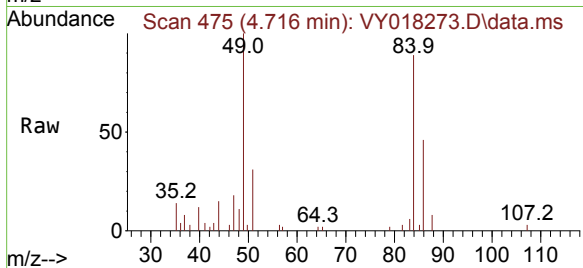
Ion Ratio Lower Upper

84 100

49 111.9 84.4 126.6

51 34.4 26.0 39.0

86 51.8 49.5 74.3



#25

2-Butanone

Concen: 1.168 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY018273.D

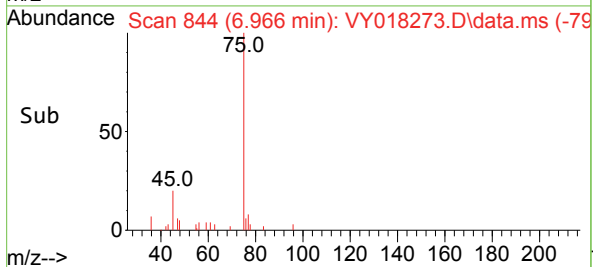
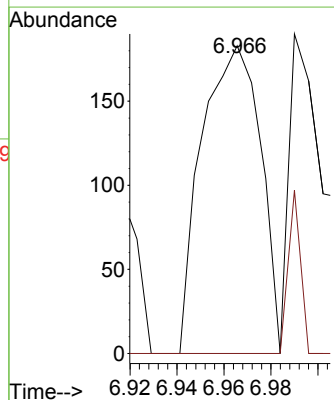
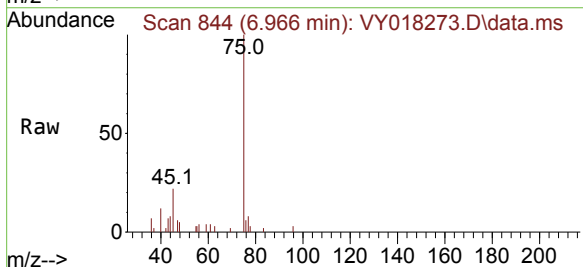
Acq: 15 May 2024 15:27

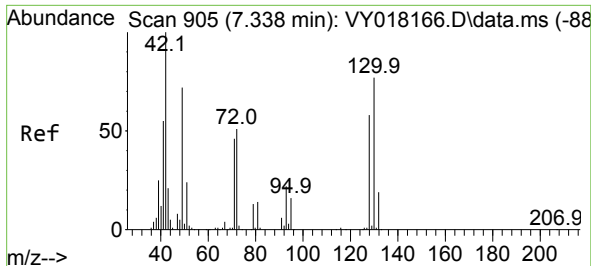
Tgt Ion: 43 Resp: 318

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#





#29

Tetrahydrofuran

Concen: 1.074 ug/l

RT: 7.350 min Scan# 905

Delta R.T. 0.012 min

Lab File: VY018273.D

Acq: 15 May 2024 15:27

Instrument :

MSVOA_Y

ClientSampleId :

SW-02-229

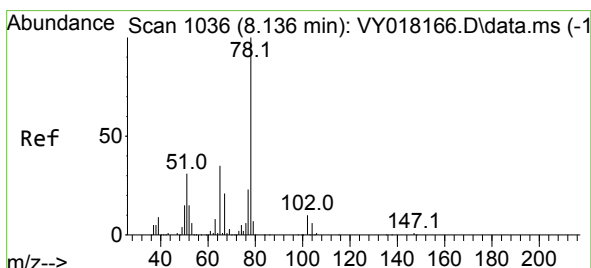
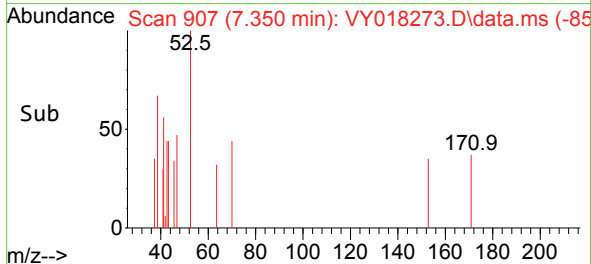
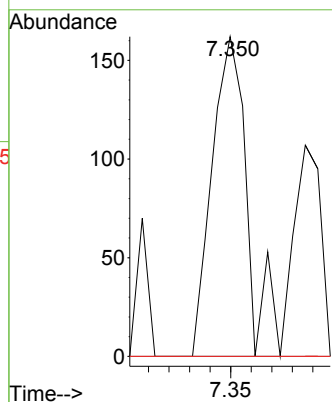
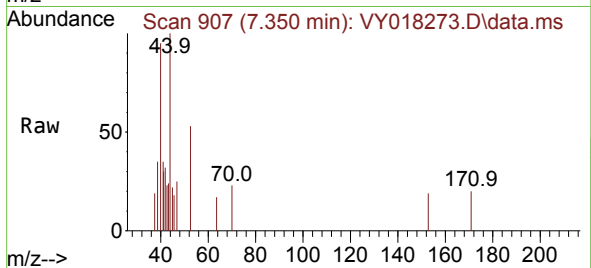
Tgt Ion: 42 Resp: 193

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#



#33

1,2-Dichloroethane-d4

Concen: 57.020 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY018273.D

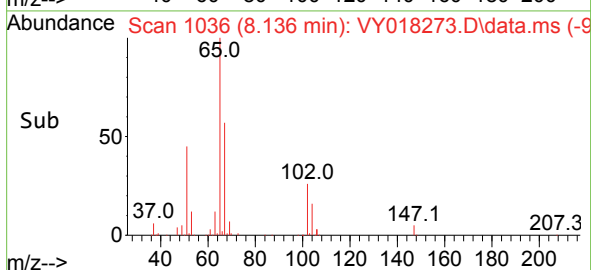
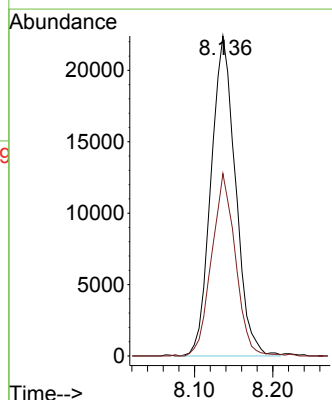
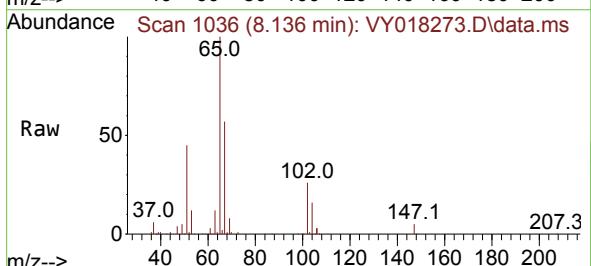
Acq: 15 May 2024 15:27

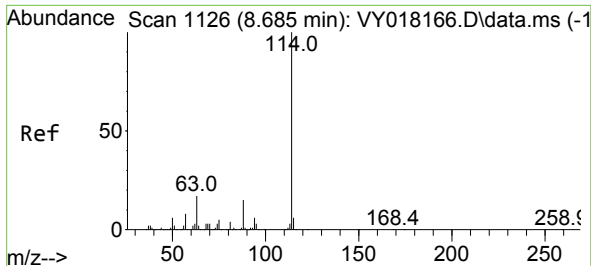
Tgt Ion: 65 Resp: 48670

Ion Ratio Lower Upper

65 100

67 55.5 0.0 109.6

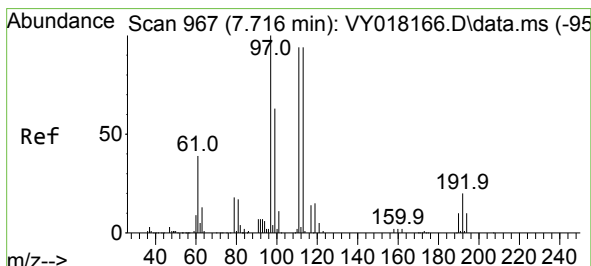
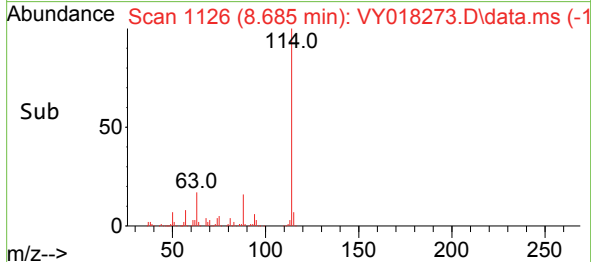
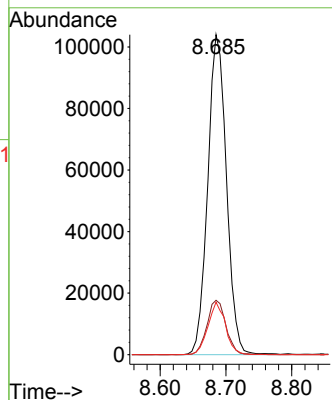
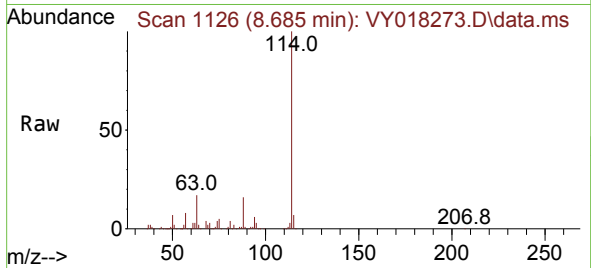




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY018273.D
Acq: 15 May 2024 15:27

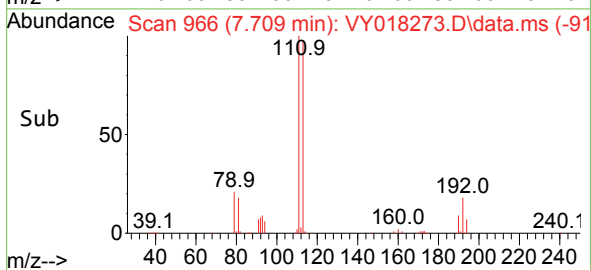
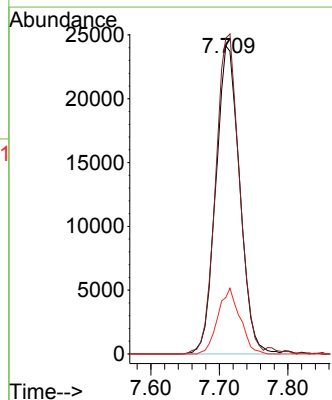
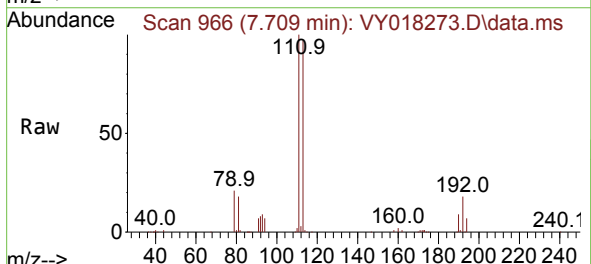
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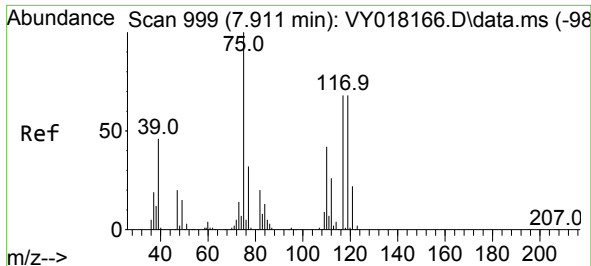
Tgt Ion:114 Resp: 206154
Ion Ratio Lower Upper
114 100
63 17.0 0.0 35.0
88 16.4 0.0 27.2



#35
Dibromofluoromethane
Concen: 53.841 ug/l
RT: 7.709 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY018273.D
Acq: 15 May 2024 15:27

Tgt Ion:113 Resp: 58333
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.4
192 19.8 15.9 23.9

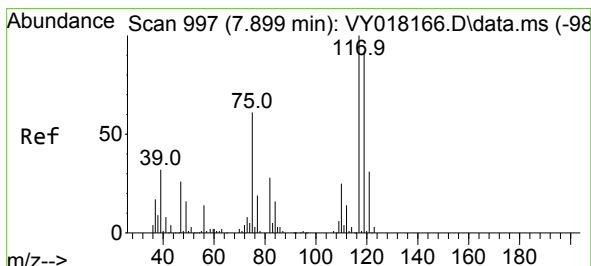
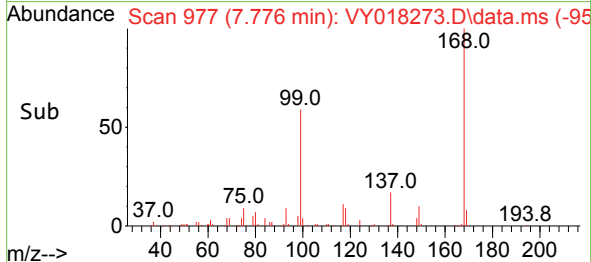
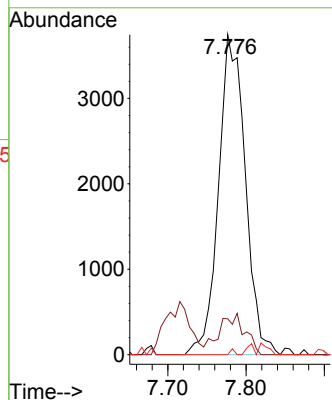
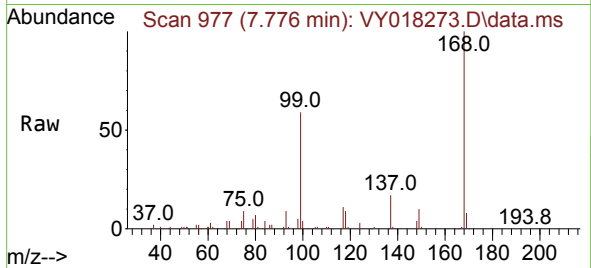




#36
1,1-Dichloropropene
Concen: 5.724 ug/l
RT: 7.776 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY018273.D
Acq: 15 May 2024 15:27

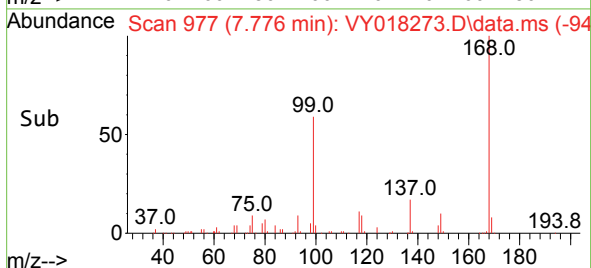
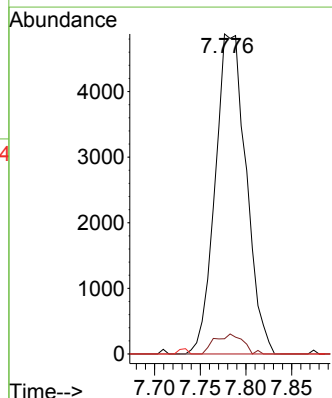
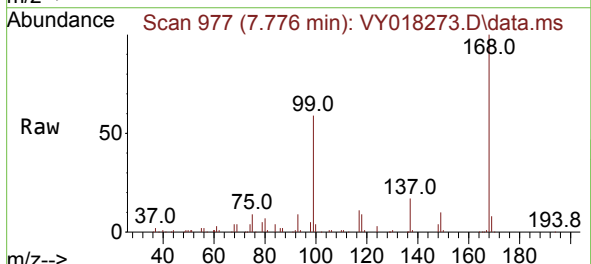
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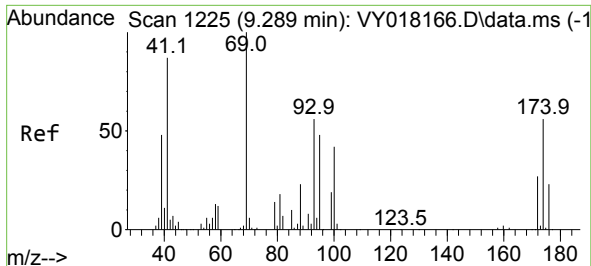
Tgt Ion: 75 Resp: 8891
Ion Ratio Lower Upper
75 100
110 12.4 19.0 57.0#
77 0.3 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.757 ug/l
RT: 7.776 min Scan# 977
Delta R.T. -0.122 min
Lab File: VY018273.D
Acq: 15 May 2024 15:27

Tgt Ion: 117 Resp: 11468
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.6#
121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 5.879 ug/l

RT: 9.380 min Scan# 11

Delta R.T. 0.091 min

Lab File: VY018273.D

Acq: 15 May 2024 15:27

Instrument :

MSVOA_Y

ClientSampleId :

SW-02-229

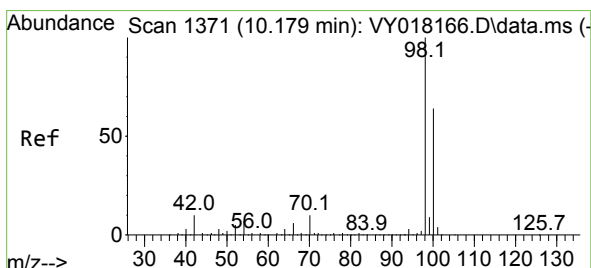
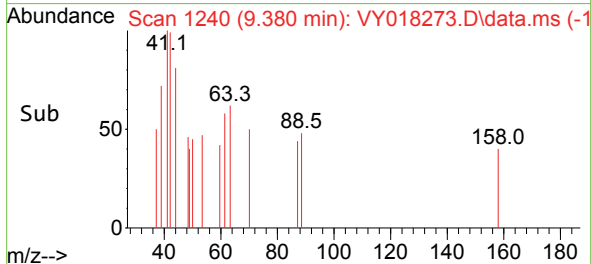
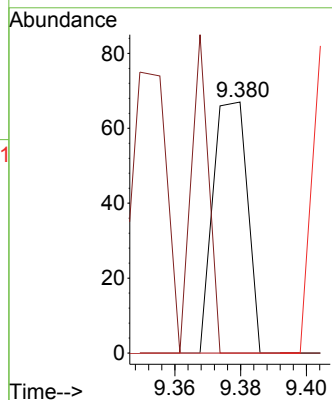
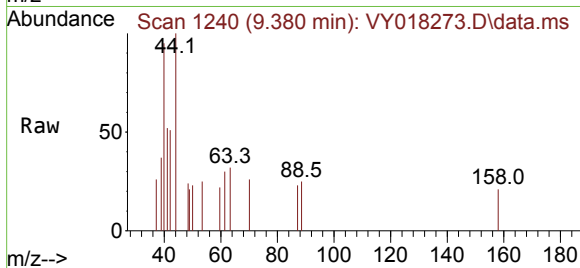
Tgt Ion: 88 Resp: 49

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 54.626 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018273.D

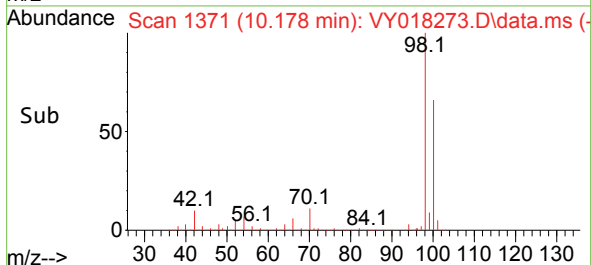
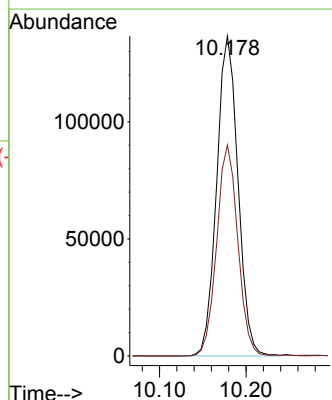
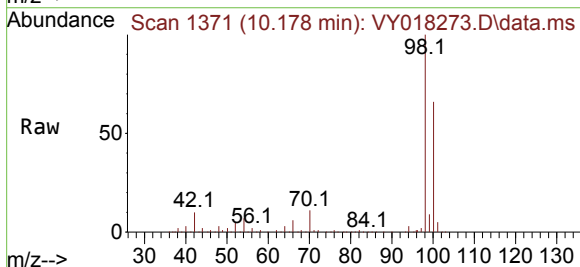
Acq: 15 May 2024 15:27

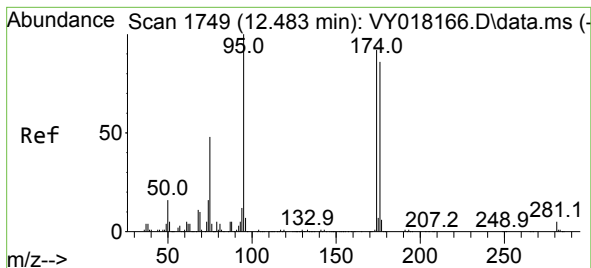
Tgt Ion: 98 Resp: 233222

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 46.162 ug/l

RT: 12.483 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018273.D

Acq: 15 May 2024 15:27

Instrument :

MSVOA_Y

ClientSampleId :

SW-02-229

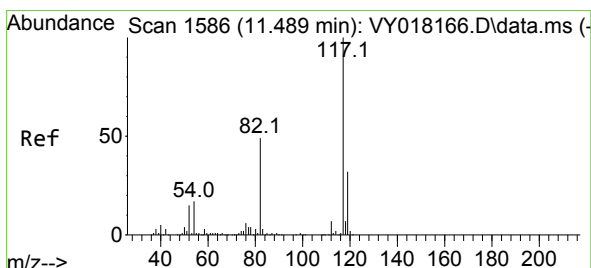
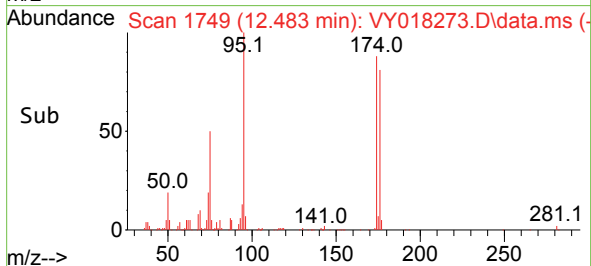
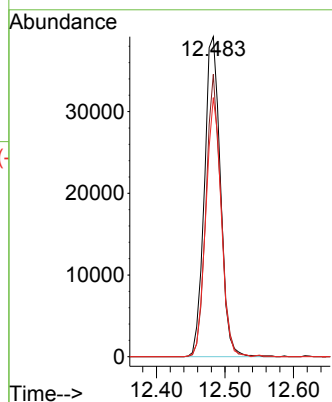
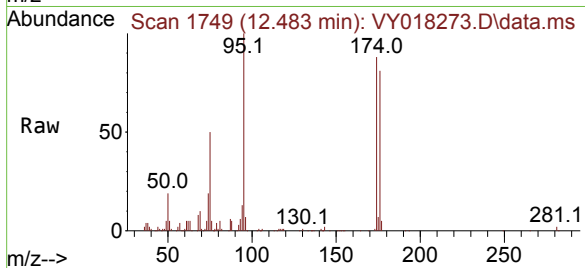
Tgt Ion: 95 Resp: 63647

Ion Ratio Lower Upper

95 100

174 82.1 0.0 175.6

176 78.4 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY018273.D

Acq: 15 May 2024 15:27

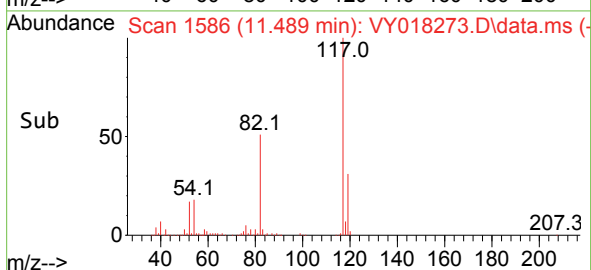
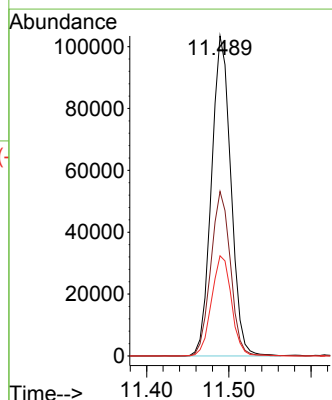
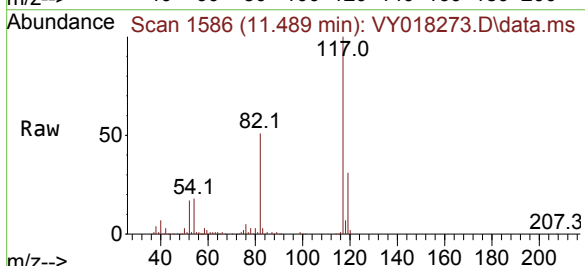
Tgt Ion: 117 Resp: 170096

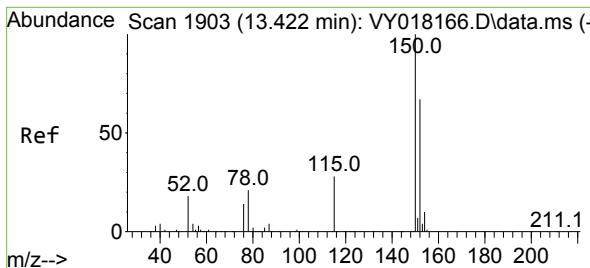
Ion Ratio Lower Upper

117 100

82 51.4 42.4 63.6

119 31.3 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY018273.D

Acq: 15 May 2024 15:27

Instrument :

MSVOA_Y

ClientSampleId :

SW-02-229

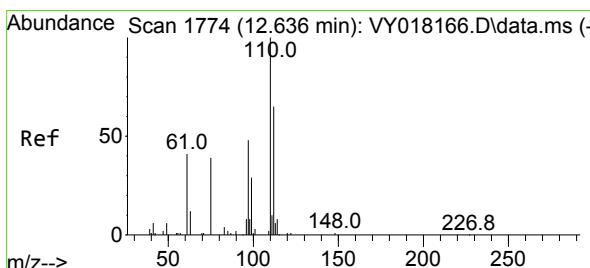
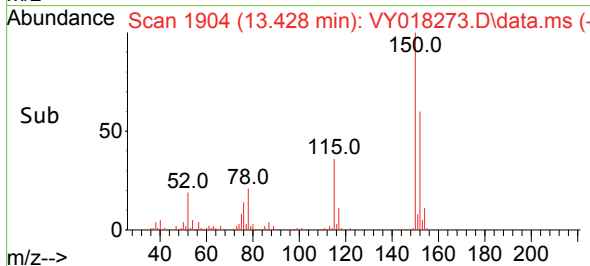
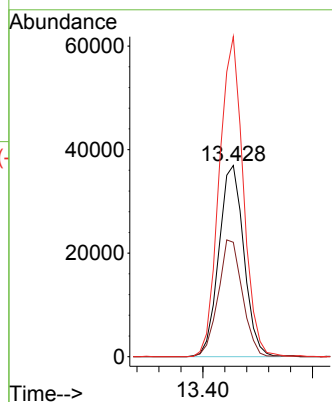
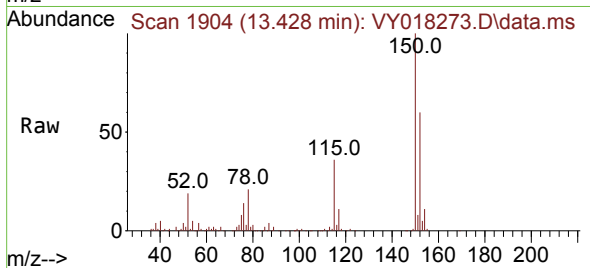
Tgt Ion:152 Resp: 58377

Ion Ratio Lower Upper

152 100

115 59.4 28.2 84.7

150 161.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 69.003 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY018273.D

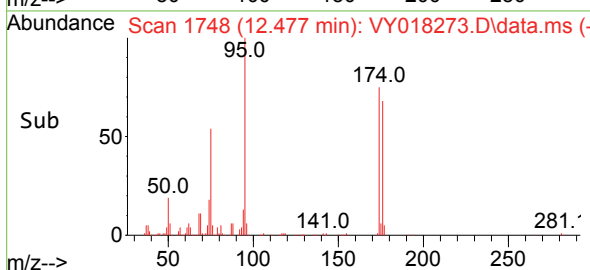
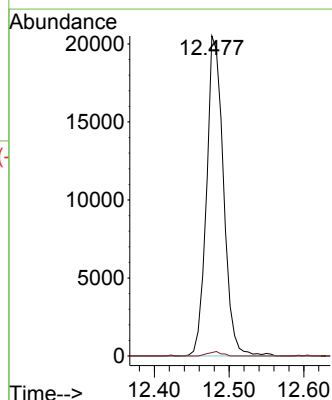
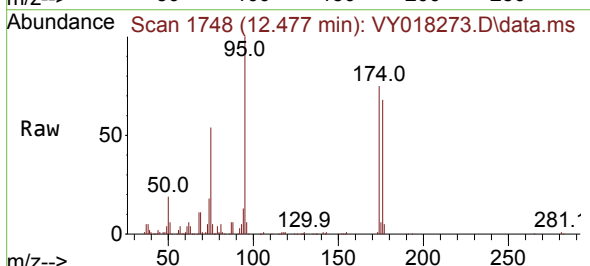
Acq: 15 May 2024 15:27

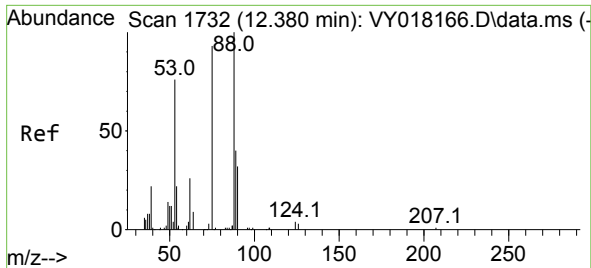
Tgt Ion: 75 Resp: 32243

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.945 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY018273.D
 Acq: 15 May 2024 15:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-02-229

Tgt Ion: 75 Resp: 32243
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

