

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009002.D
 Acq On : 23 May 2022 13:34
 Operator : KP/MD
 Sample : N2868-01
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P017-SS001-0006-01

Quant Time: May 24 01:47:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

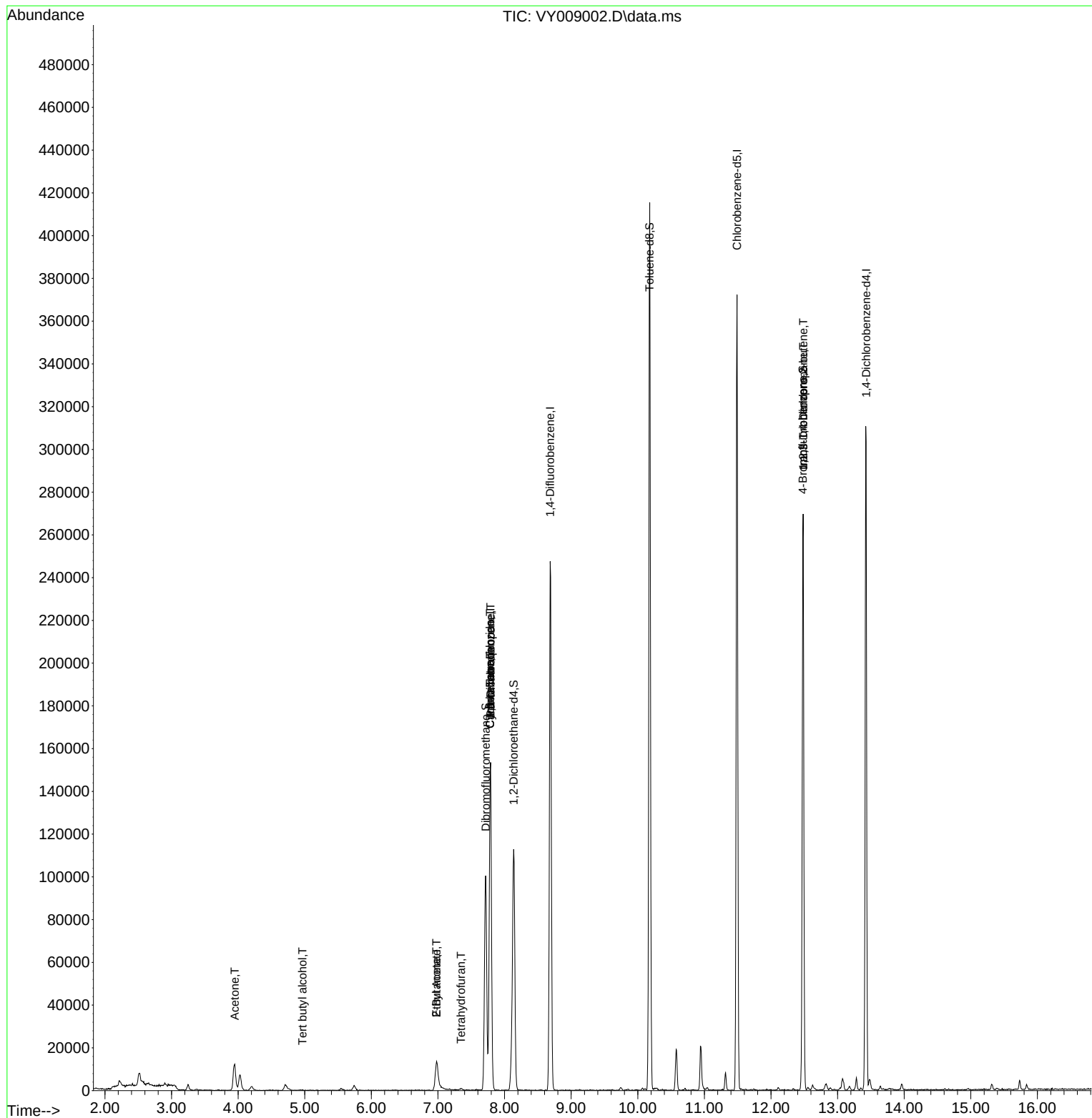
Internal Standards						
1) Pentafluorobenzene	7.789	168	119333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	210356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	192782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	77069	62.752	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.500%	
35) Dibromofluoromethane	7.716	113	68066	52.035	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.060%	
50) Toluene-d8	10.179	98	263218	54.545	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.100%	
62) 4-Bromofluorobenzene	12.477	95	71249	36.601	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 73.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	373	2.994	ug/l #	77
16) Acetone	3.948	43	21080	82.457	ug/l #	84
20) Methylene Chloride	4.704	84	1588	Below Cal	#	77
25) 2-Butanone	6.978	43	3069	6.721	ug/l #	80
29) Tetrahydrofuran	7.344	42	483	1.557	ug/l #	55
31) Cyclohexane	7.783	56	2913	1.212	ug/l #	14
36) 1,1-Dichloropropene	7.789	75	10083	4.529	ug/l #	51
37) Ethyl Acetate	6.978	43	3069	2.658	ug/l #	70
38) Carbon Tetrachloride	7.783	117	12550	5.389	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	41742	51.525	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	41742	105.756	ug/l #	7

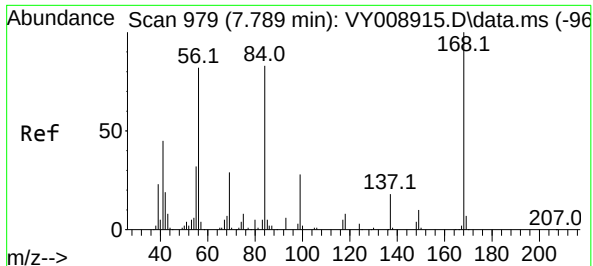
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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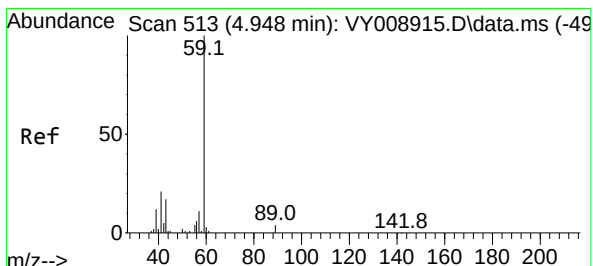
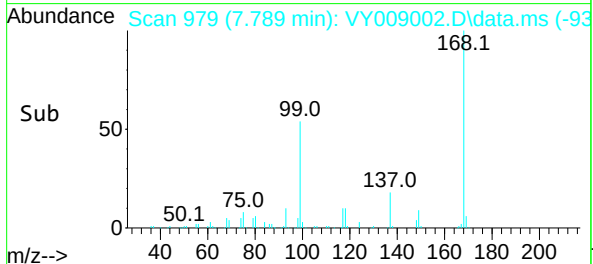
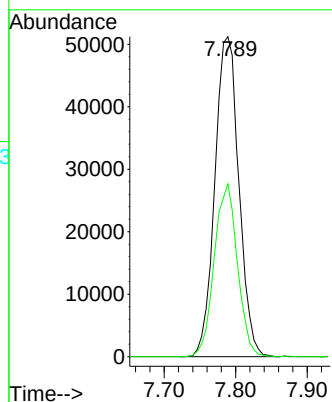
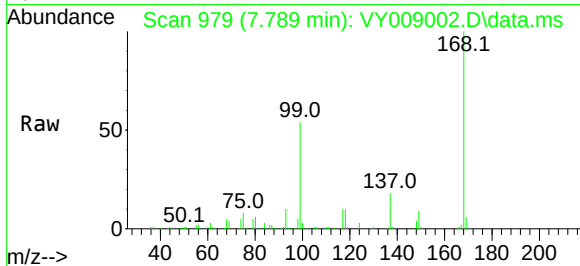




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009002.D
Acq: 23 May 2022 13:34

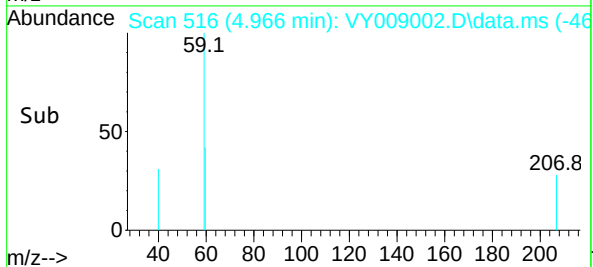
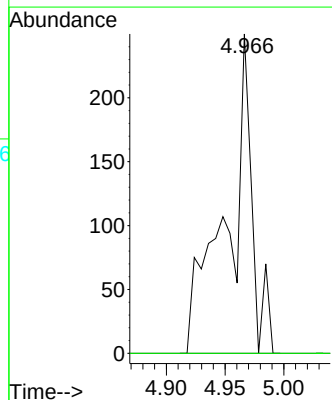
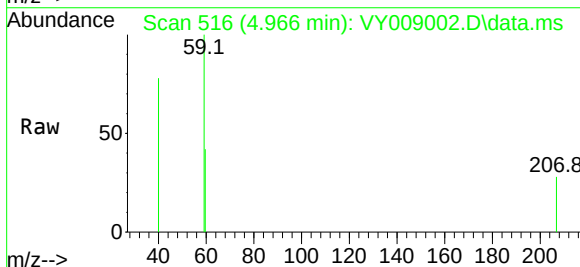
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS001-0006-01

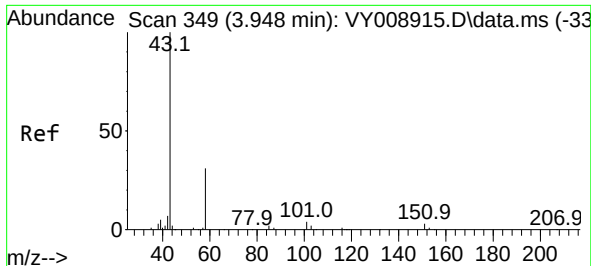
Tgt Ion:168 Resp: 119333
Ion Ratio Lower Upper
168 100
99 54.0 46.9 70.3



#11
Tert butyl alcohol
Concen: 2.994 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.018 min
Lab File: VY009002.D
Acq: 23 May 2022 13:34

Tgt Ion: 59 Resp: 373
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

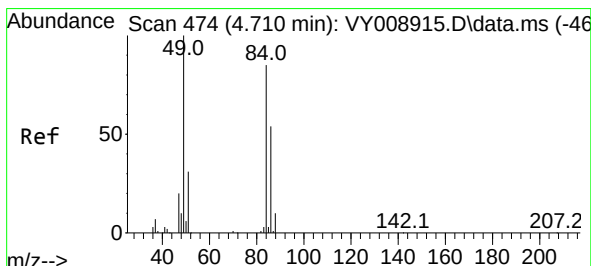
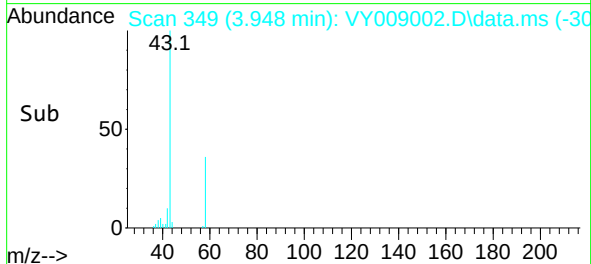
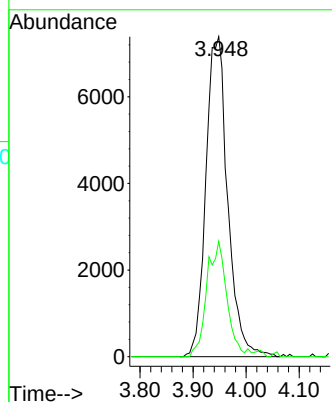
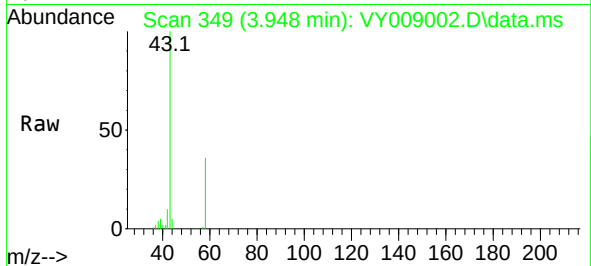




#16
Acetone
Concen: 82.457 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY009002.D
Acq: 23 May 2022 13:34

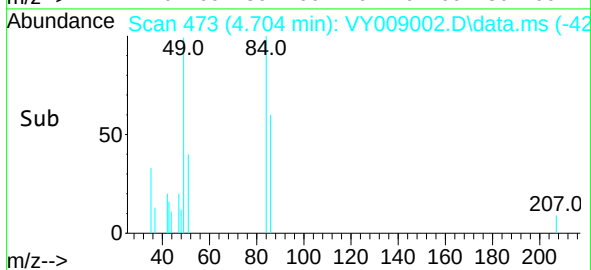
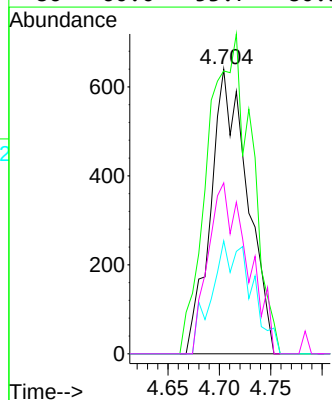
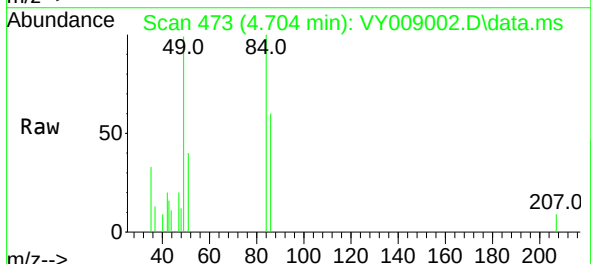
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS001-0006-01

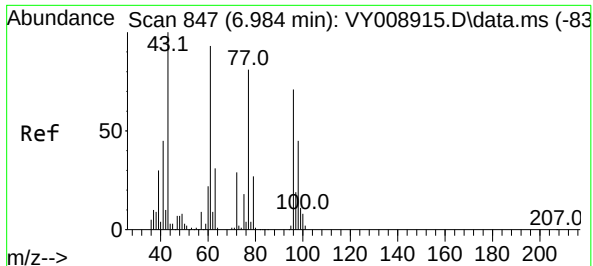
Tgt Ion: 43 Resp: 21080
Ion Ratio Lower Upper
43 100
58 36.1 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY009002.D
Acq: 23 May 2022 13:34

Tgt Ion: 84 Resp: 1588
Ion Ratio Lower Upper
84 100
49 99.4 114.4 171.6#
51 39.7 35.3 52.9
86 60.0 53.7 80.5





#25

2-Butanone

Concen: 6.721 ug/l

RT: 6.978 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY009002.D

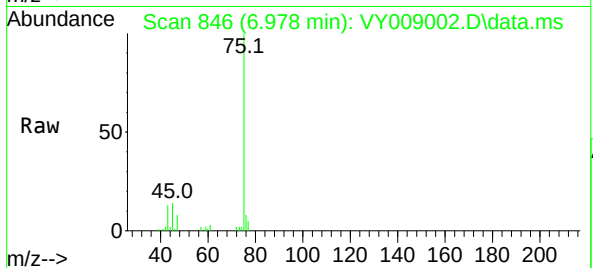
Acq: 23 May 2022 13:34

Instrument :

MSVOA_Y

ClientSampleId :

P017-SS001-0006-01

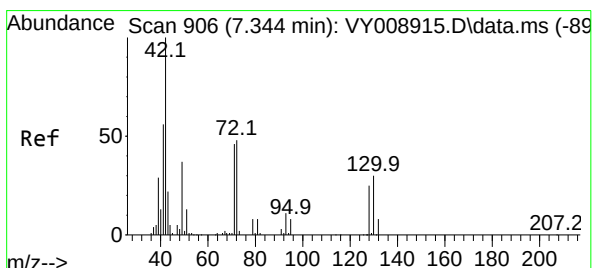
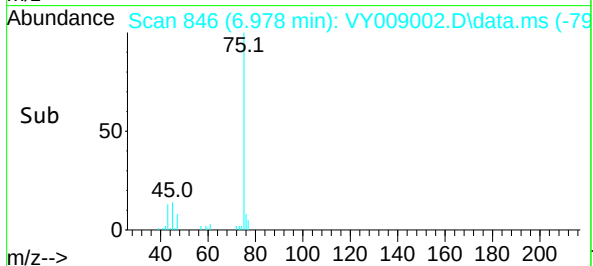
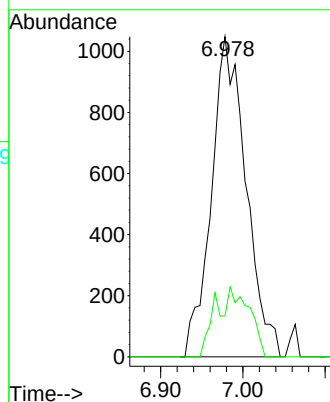


Tgt Ion: 43 Resp: 3069

Ion Ratio Lower Upper

43 100

72 12.8 17.7 26.5#



#29

Tetrahydrofuran

Concen: 1.557 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY009002.D

Acq: 23 May 2022 13:34

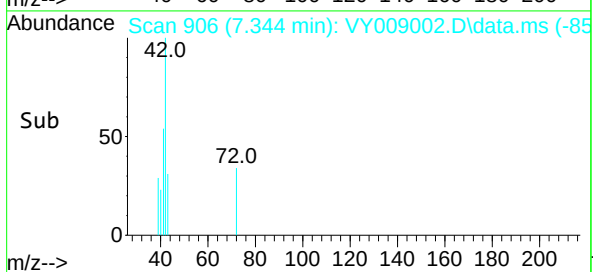
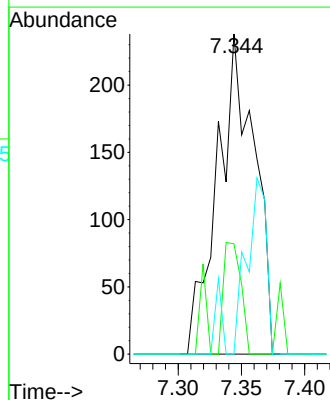
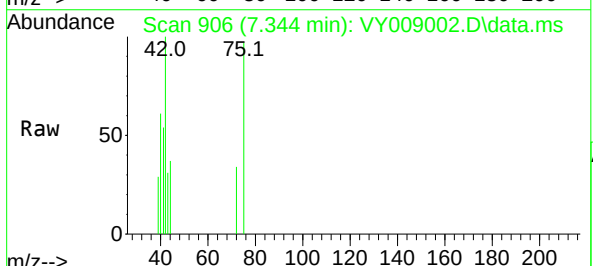
Tgt Ion: 42 Resp: 483

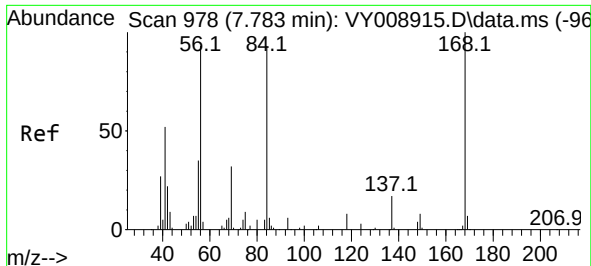
Ion Ratio Lower Upper

42 100

72 16.4 30.3 45.5#

71 4.1 29.0 43.4#

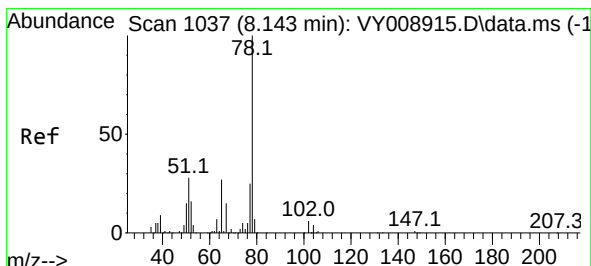
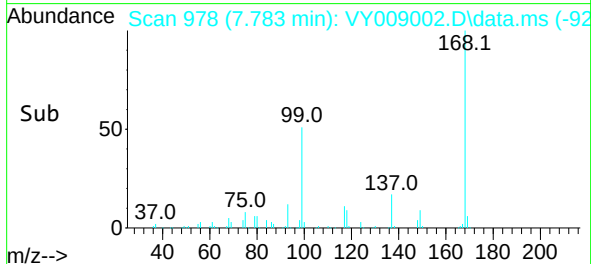
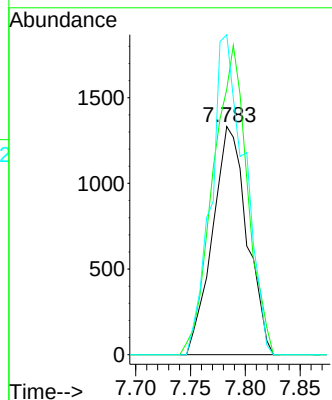
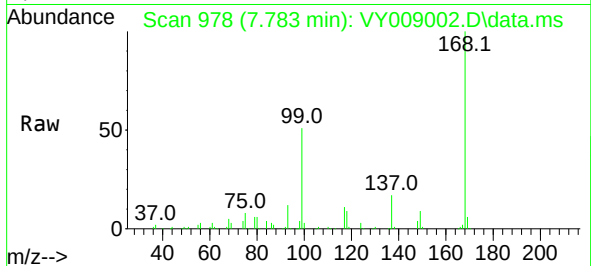




#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009002.D
Acq: 23 May 2022 13:34

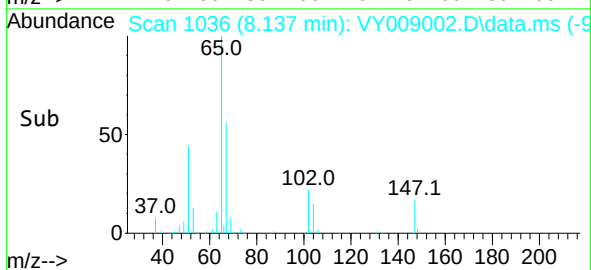
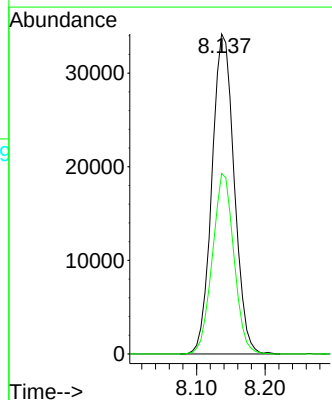
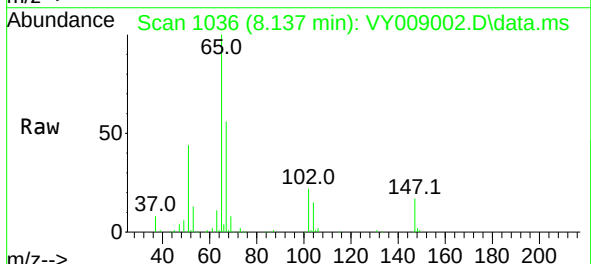
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS001-0006-01

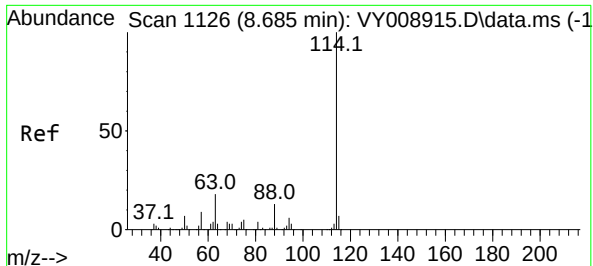
Tgt Ion: 56 Resp: 2913
Ion Ratio Lower Upper
56 100
69 116.4 26.7 40.1#
84 140.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 62.752 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY009002.D
Acq: 23 May 2022 13:34

Tgt Ion: 65 Resp: 77069
Ion Ratio Lower Upper
65 100
67 54.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009002.D

Acq: 23 May 2022 13:34

Instrument :

MSVOA_Y

ClientSampleId :

P017-SS001-0006-01

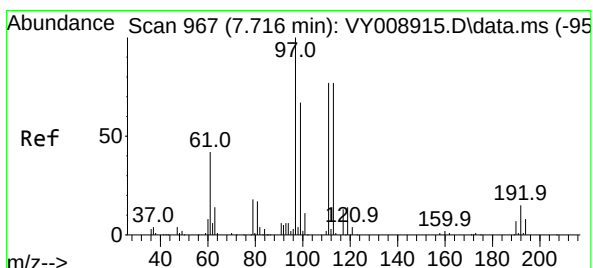
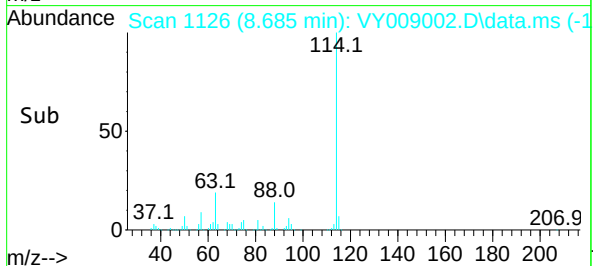
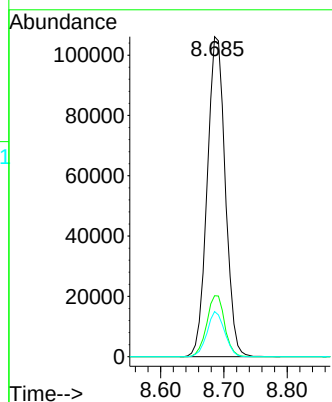
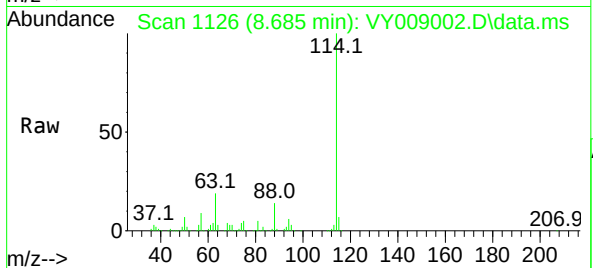
Tgt Ion:114 Resp: 210356

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 14.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.035 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY009002.D

Acq: 23 May 2022 13:34

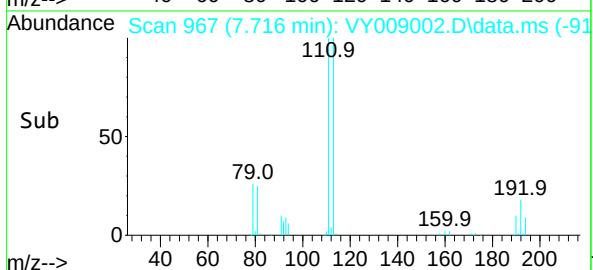
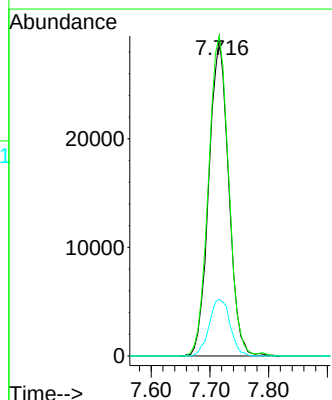
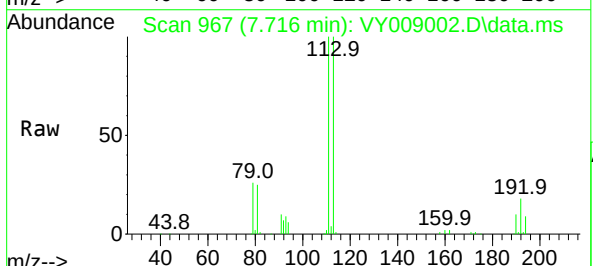
Tgt Ion:113 Resp: 68066

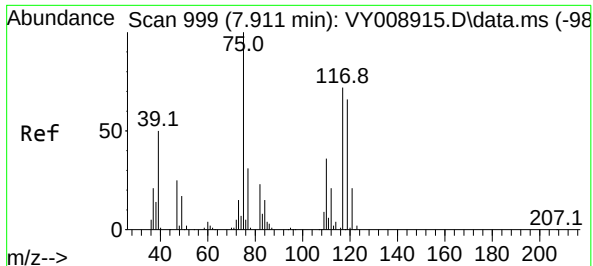
Ion Ratio Lower Upper

113 100

111 103.5 82.6 124.0

192 18.9 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.529 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY009002.D

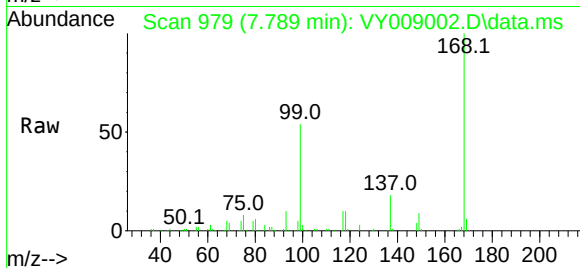
Acq: 23 May 2022 13:34

Instrument :

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ClientSampleId :

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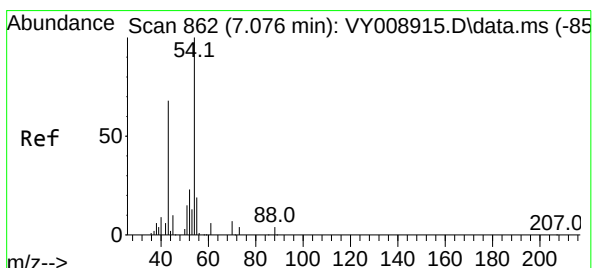
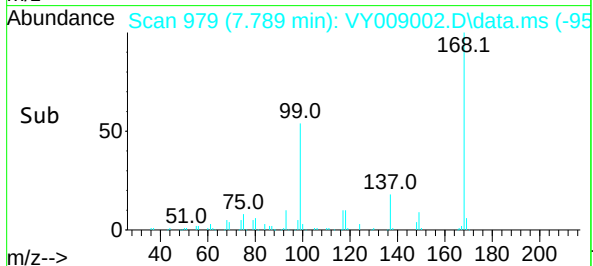
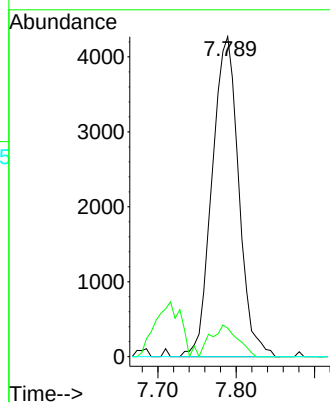
Tgt Ion: 75 Resp: 10083

Ion Ratio Lower Upper

75 100

110 9.9 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.658 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.098 min

Lab File: VY009002.D

Acq: 23 May 2022 13:34

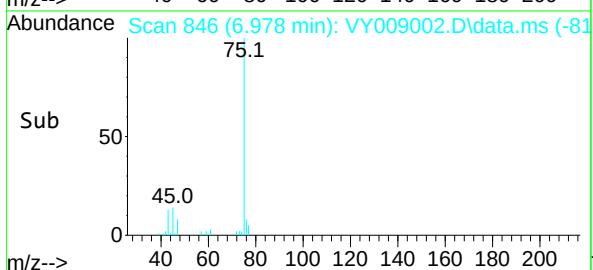
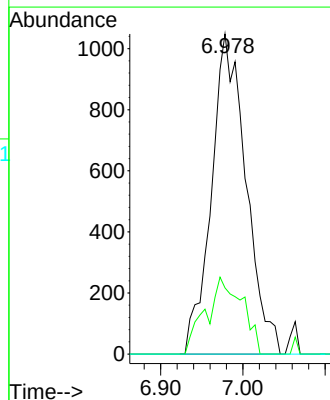
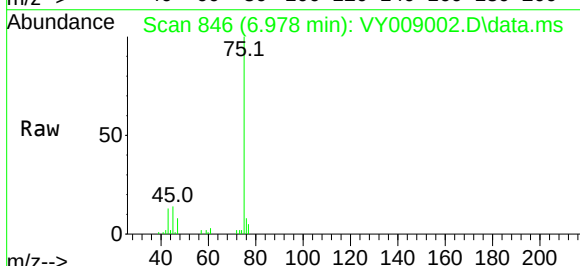
Tgt Ion: 43 Resp: 3069

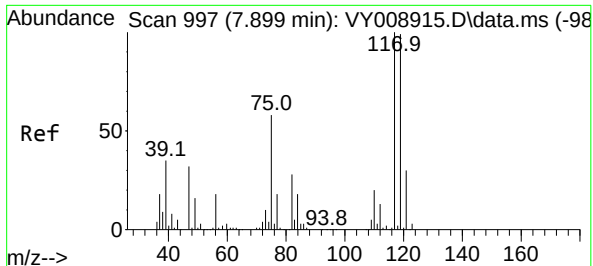
Ion Ratio Lower Upper

43 100

61 25.2 9.7 14.5#

70 0.0 7.1 10.7#

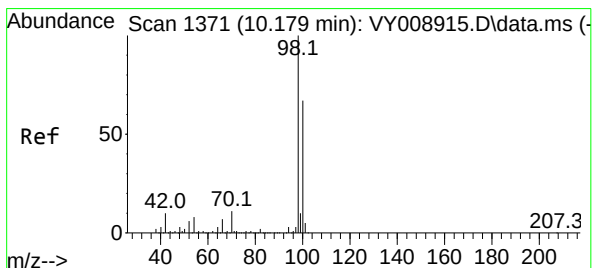
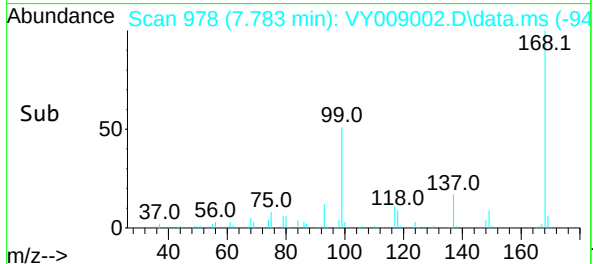
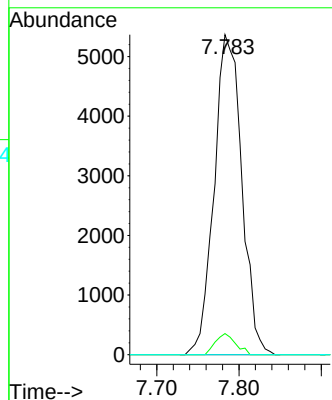
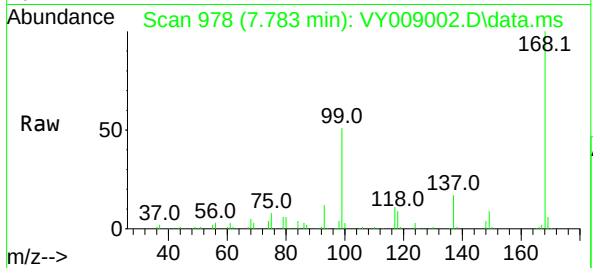




#38
Carbon Tetrachloride
Concen: 5.389 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009002.D
Acq: 23 May 2022 13:34

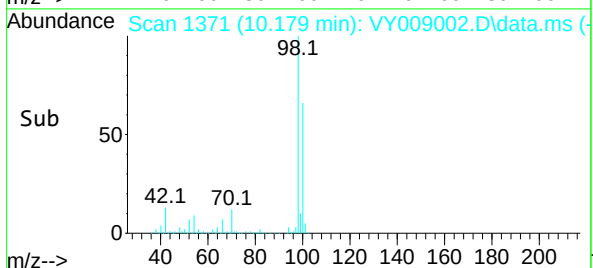
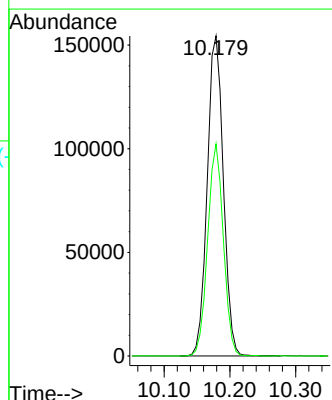
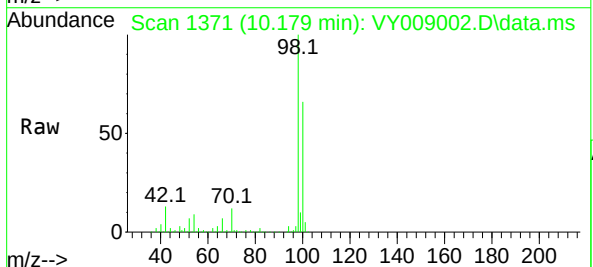
Instrument :
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P017-SS001-0006-01

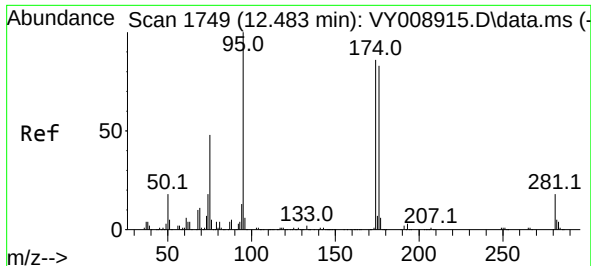
Tgt Ion:117 Resp: 12550
Ion Ratio Lower Upper
117 100
119 6.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.545 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009002.D
Acq: 23 May 2022 13:34

Tgt Ion: 98 Resp: 263218
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

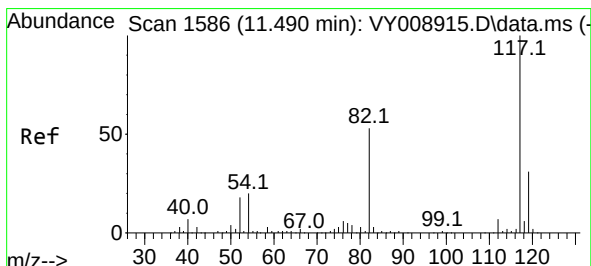
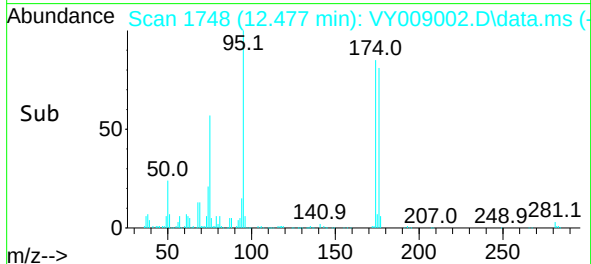
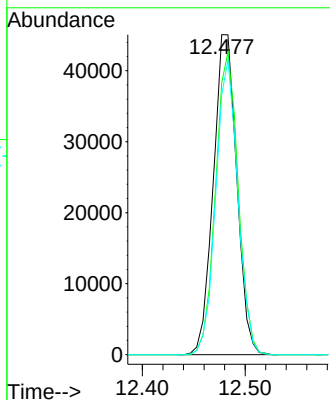
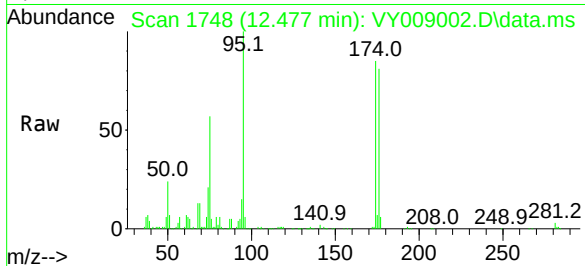




#62
4-Bromofluorobenzene
Concen: 36.601 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009002.D
Acq: 23 May 2022 13:34

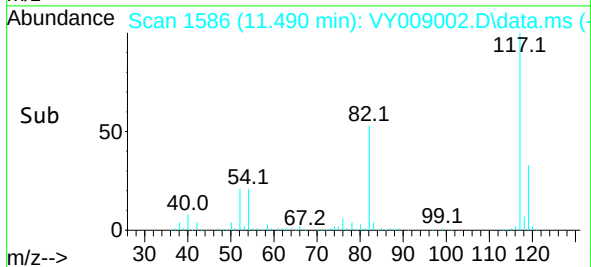
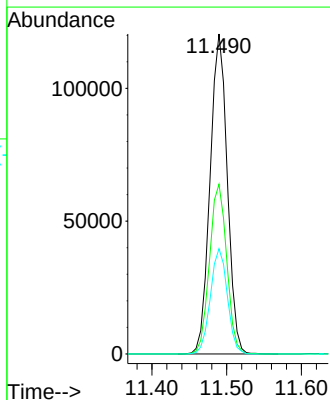
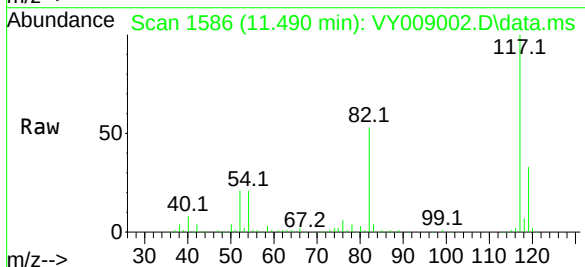
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS001-0006-01

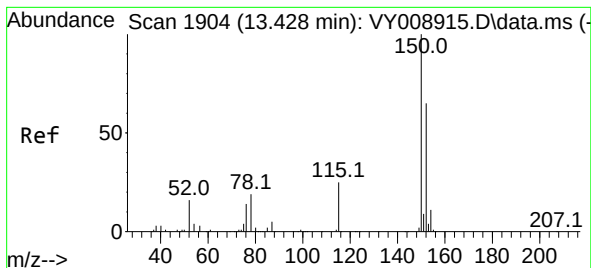
Tgt Ion: 95 Resp: 71249
Ion Ratio Lower Upper
95 100
174 91.4 0.0 177.0
176 86.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009002.D
Acq: 23 May 2022 13:34

Tgt Ion: 117 Resp: 192782
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 32.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY009002.D

Acq: 23 May 2022 13:34

Instrument :

MSVOA_Y

ClientSampleId :

P017-SS001-0006-01

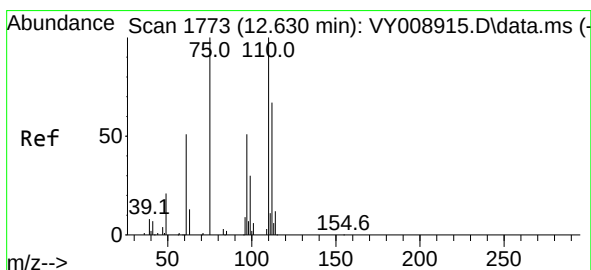
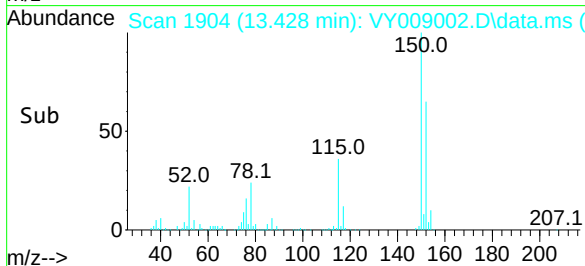
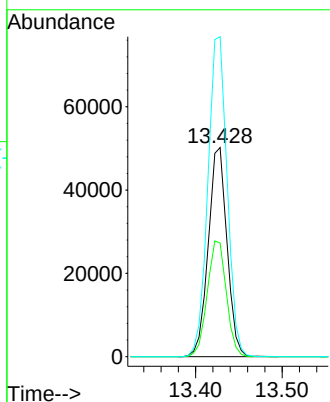
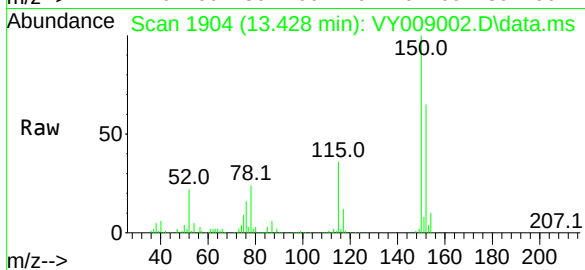
Tgt Ion:152 Resp: 75439

Ion Ratio Lower Upper

152 100

115 56.3 28.2 84.7

150 157.1 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 51.525 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY009002.D

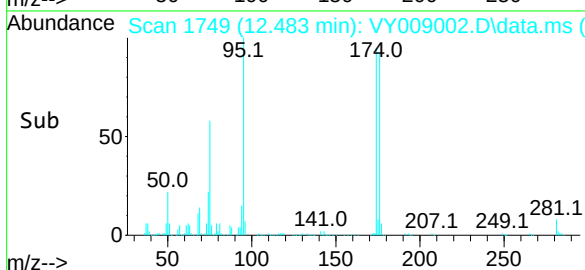
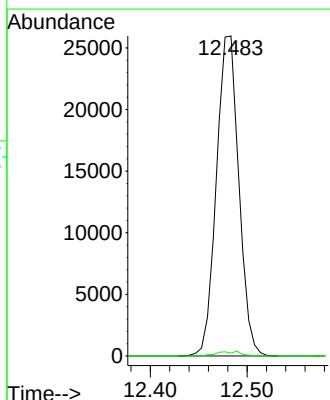
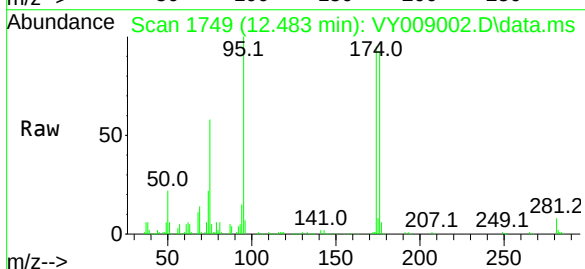
Acq: 23 May 2022 13:34

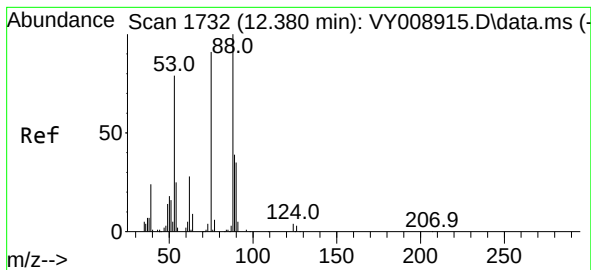
Tgt Ion: 75 Resp: 41742

Ion Ratio Lower Upper

75 100

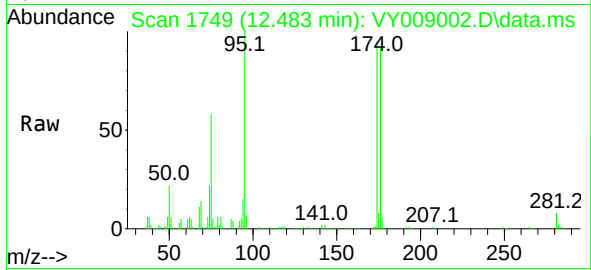
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.756 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009002.D
 Acq: 23 May 2022 13:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 P017-SS001-0006-01



Tgt Ion: 75 Resp: 41742

Ion	Ratio	Lower	Upper
75	100		
53	0.2	85.3	127.9#
89	0.0	37.0	55.4#

