

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050924\
 Data File : VY018205.D
 Acq On : 09 May 2024 12:33
 Operator : SY/MD
 Sample : P2422-07
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 10 01:16:14 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)

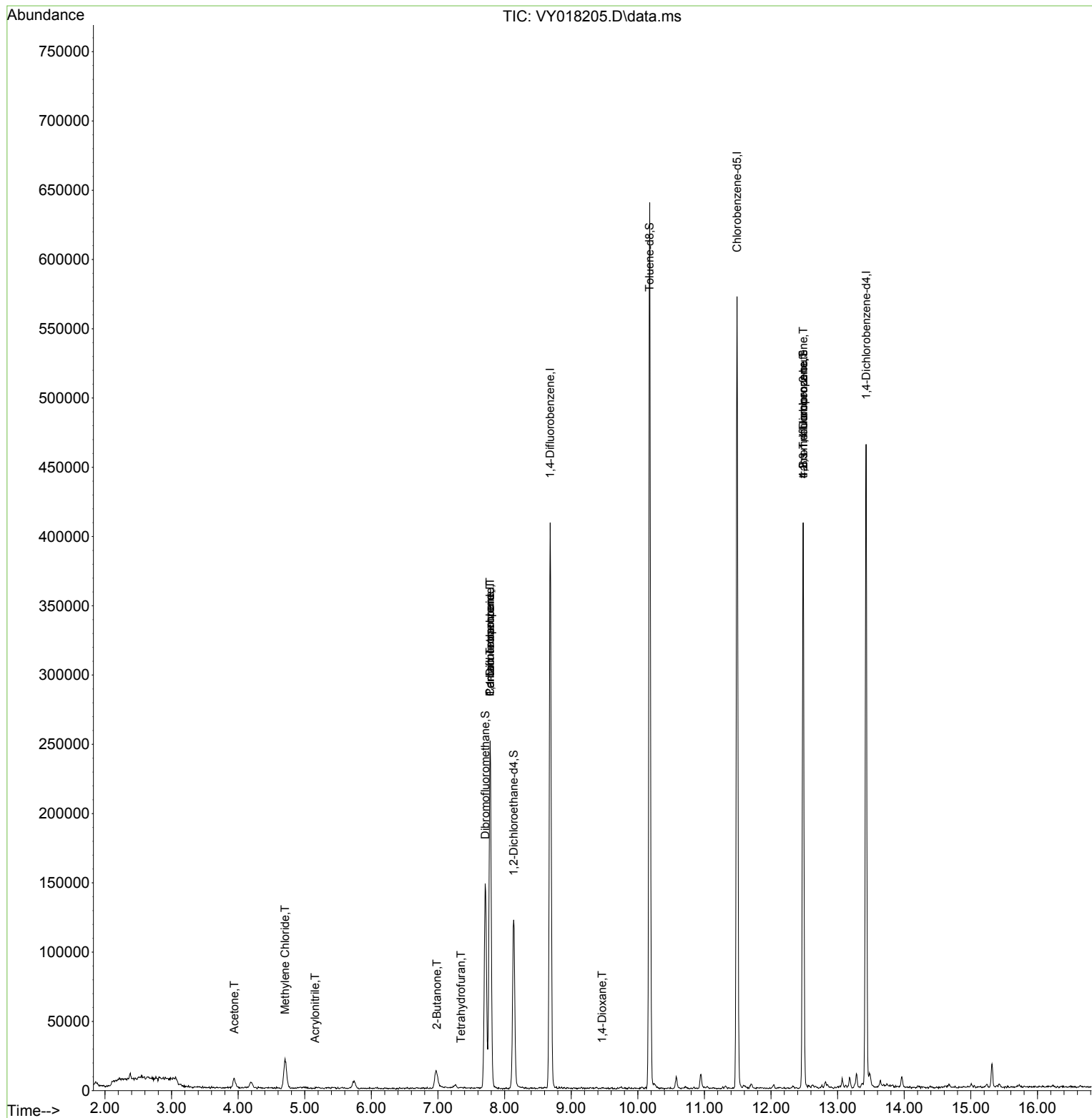
Internal Standards						
1) Pentafluorobenzene	7.783	168	202575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	373964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	327748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	88925	59.670	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.340%	
35) Dibromofluoromethane	7.710	113	107047	54.467	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.940%	
50) Toluene-d8	10.179	98	419234	54.132	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.260%	
62) 4-Bromofluorobenzene	12.483	95	126914	50.743	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.480%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	579	Below Cal	#	86
13) Acrolein	3.710	56	346	Below Cal	#	78
15) Acrylonitrile	5.155	53	485	1.255	ug/l #	42
16) Acetone	3.942	43	12012	40.390	ug/l	97
20) Methylene Chloride	4.704	84	16821	8.002	ug/l	100
25) 2-Butanone	6.984	43	4073	8.568	ug/l	94
29) Tetrahydrofuran	7.344	42	432	1.377	ug/l #	41
31) Cyclohexane	7.789	56	4710	Below Cal	#	48
36) 1,1-Dichloropropene	7.783	75	13771	4.888	ug/l #	50
38) Carbon Tetrachloride	7.783	117	18808	6.109	ug/l #	18
49) 1,4-Dioxane	9.465	88	22	1.455	ug/l #	20
76) 1,2,3-Trichloropropane	12.483	75	61491	62.834	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	61491	121.060	ug/l #	16

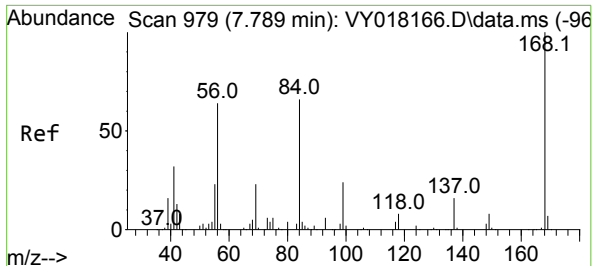
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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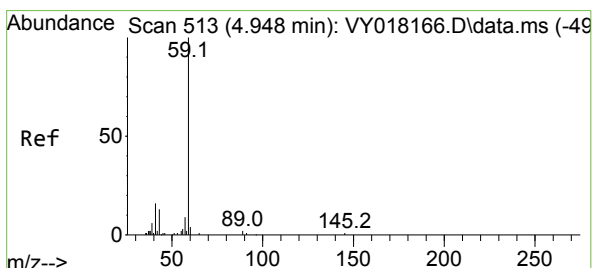
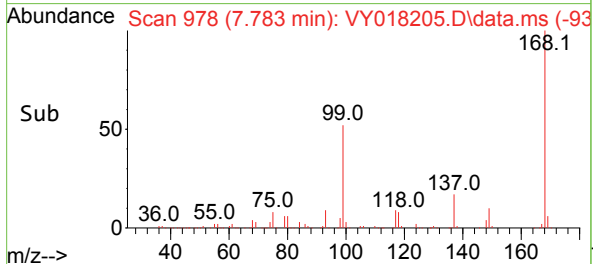
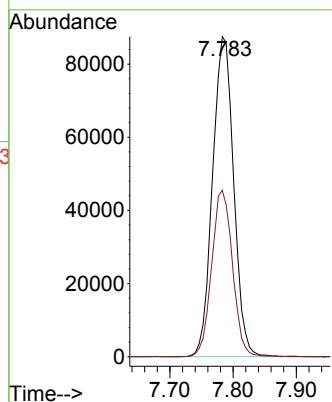
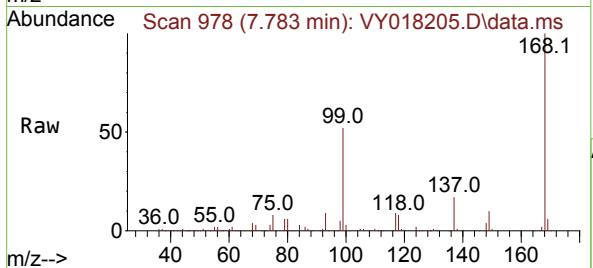




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018205.D
Acq: 09 May 2024 12:33

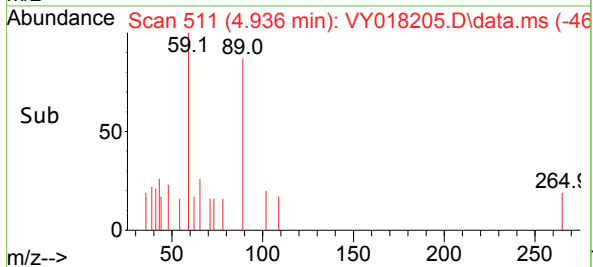
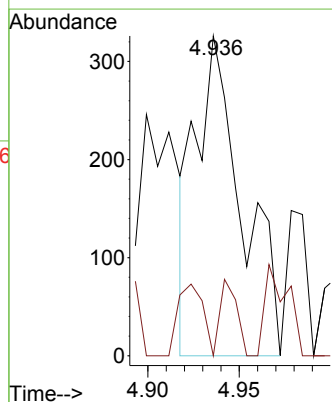
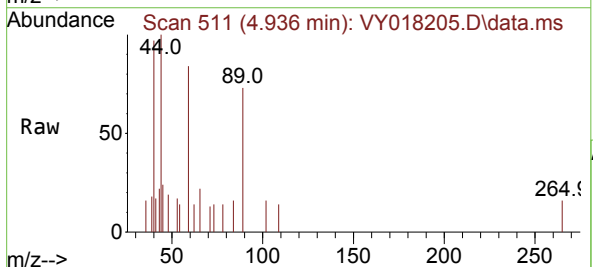
Instrument :
MSVOA_Y
ClientSampleId :

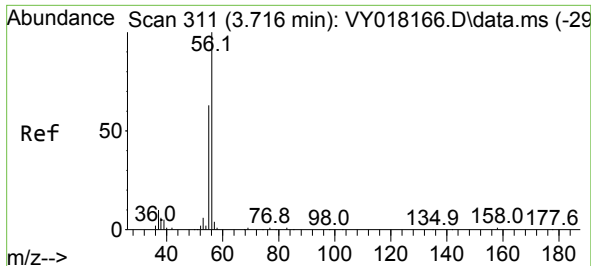
Tgt Ion:168 Resp: 202575
Ion Ratio Lower Upper
168 100
99 52.0 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY018205.D
Acq: 09 May 2024 12:33

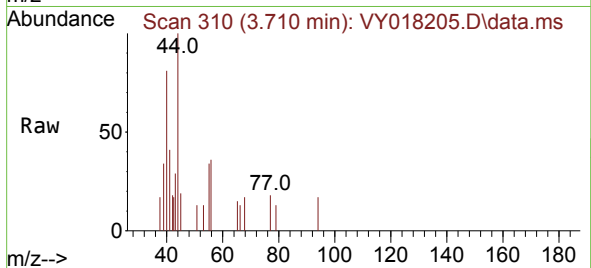
Tgt Ion: 59 Resp: 579
Ion Ratio Lower Upper
59 100
57 8.5 3.0 4.6#



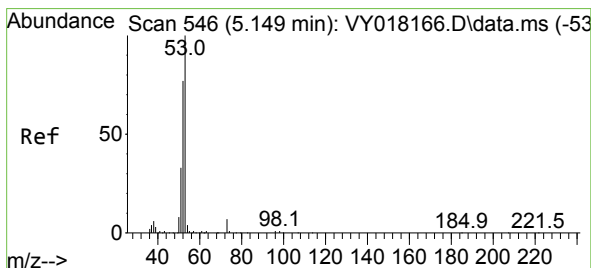
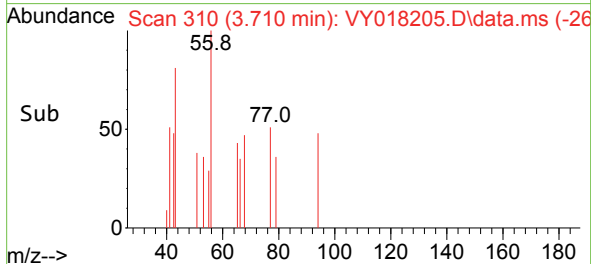
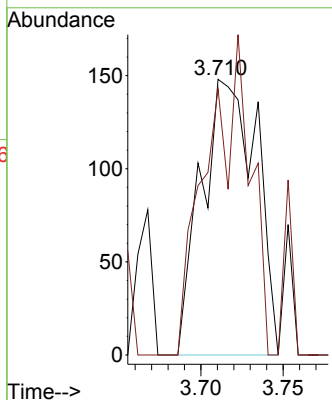


#13
Acrolein
Concen: Below Cal
RT: 3.710 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY018205.D
Acq: 09 May 2024 12:33

Instrument :
MSVOA_Y
ClientSampleId :

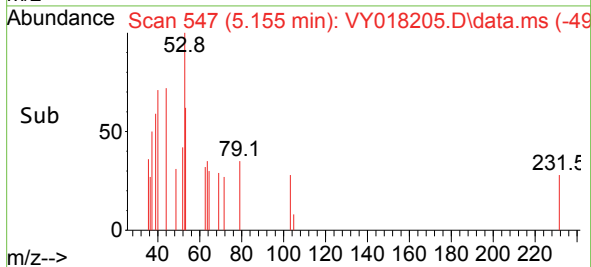
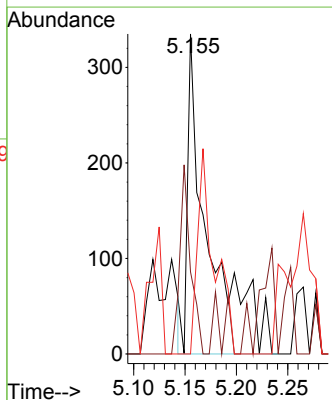
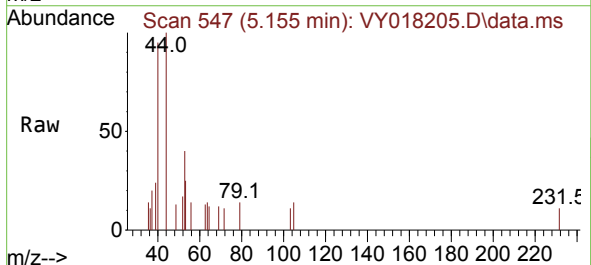


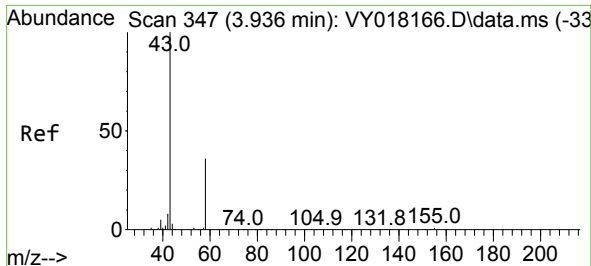
Tgt Ion: 56 Resp: 346
Ion Ratio Lower Upper
56 100
55 51.4 55.7 83.5#



#15
Acrylonitrile
Concen: 1.255 ug/l
RT: 5.155 min Scan# 547
Delta R.T. 0.006 min
Lab File: VY018205.D
Acq: 09 May 2024 12:33

Tgt Ion: 53 Resp: 485
Ion Ratio Lower Upper
53 100
52 29.9 64.7 97.1#
51 0.0 28.4 42.6#

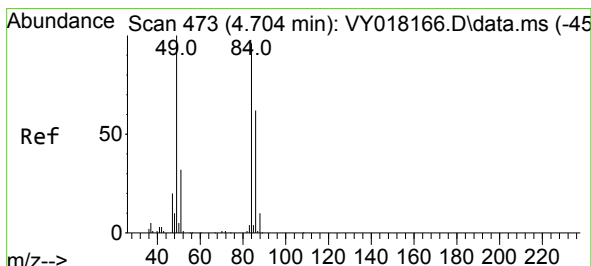
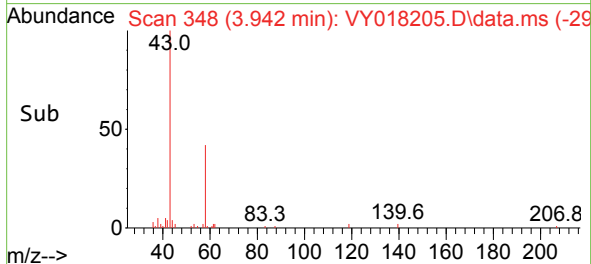
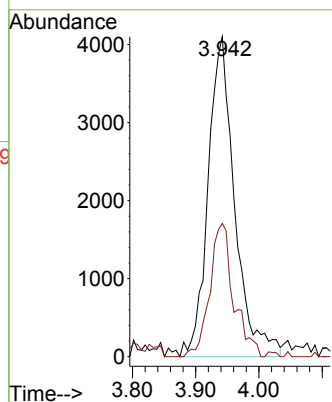
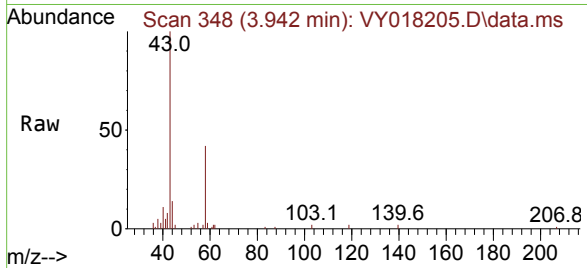




#16
Acetone
Concen: 40.390 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY018205.D
Acq: 09 May 2024 12:33

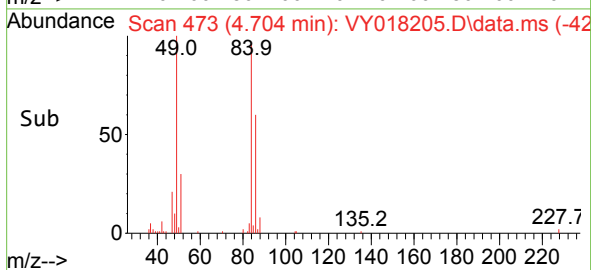
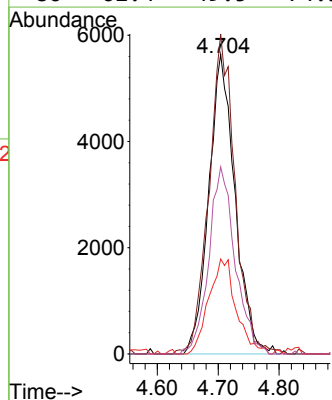
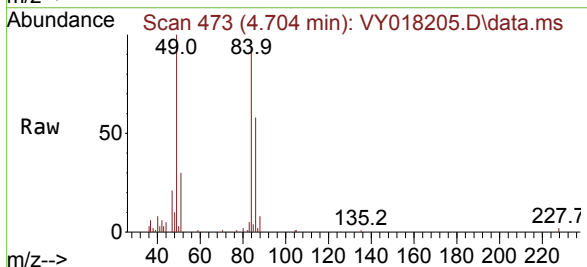
Instrument :
MSVOA_Y
ClientSampleId :

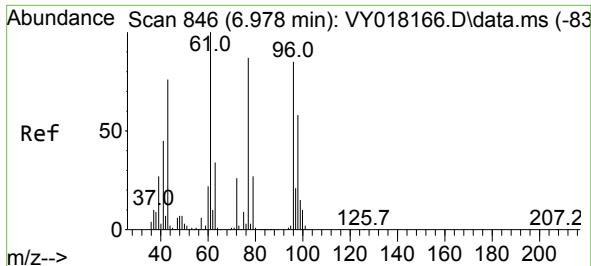
Tgt Ion: 43 Resp: 12012
Ion Ratio Lower Upper
43 100
58 41.6 31.7 47.5



#20
Methylene Chloride
Concen: 8.002 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY018205.D
Acq: 09 May 2024 12:33

Tgt Ion: 84 Resp: 16821
Ion Ratio Lower Upper
84 100
49 105.4 84.4 126.6
51 31.7 26.0 39.0
86 62.4 49.5 74.3





#25

2-Butanone

Concen: 8.568 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.006 min

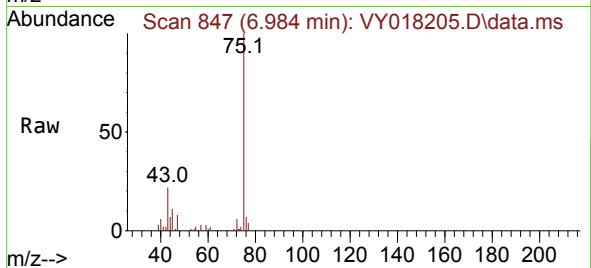
Lab File: VY018205.D

Acq: 09 May 2024 12:33

Instrument :

MSVOA_Y

ClientSampleId :

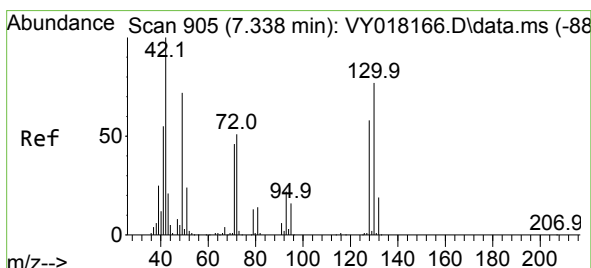
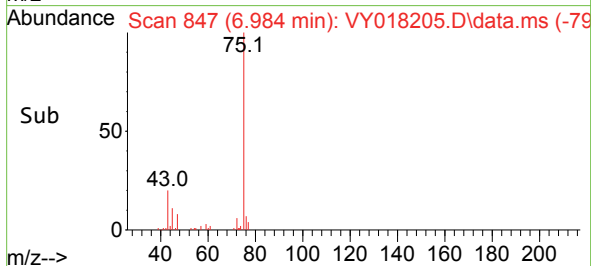
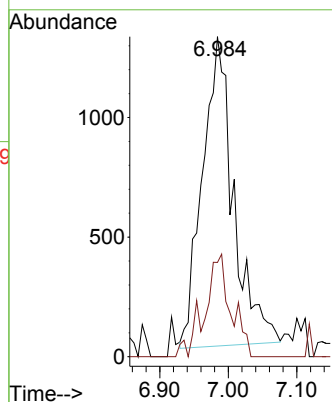


Tgt Ion: 43 Resp: 4073

Ion Ratio Lower Upper

43 100

72 30.9 27.3 40.9



#29

Tetrahydrofuran

Concen: 1.377 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY018205.D

Acq: 09 May 2024 12:33

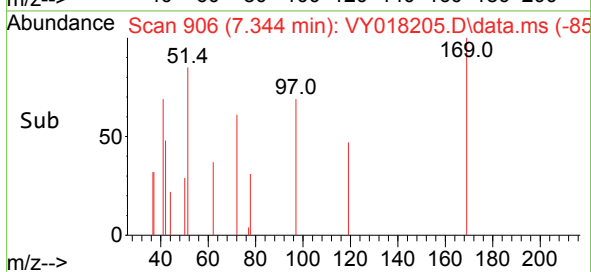
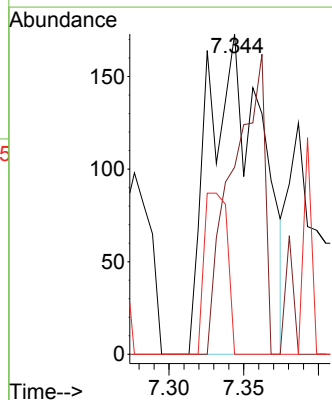
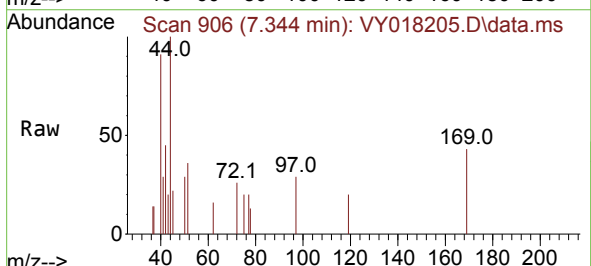
Tgt Ion: 42 Resp: 432

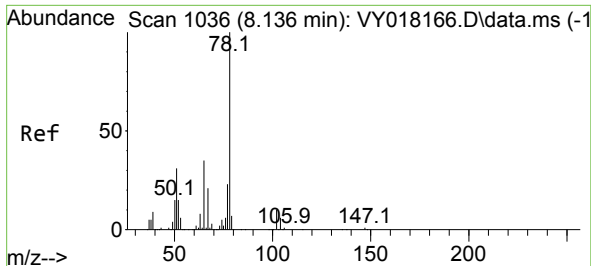
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 21.5 40.8 61.2#





#33

1,2-Dichloroethane-d4

Concen: 59.670 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY018205.D

Acq: 09 May 2024 12:33

Instrument :

MSVOA_Y

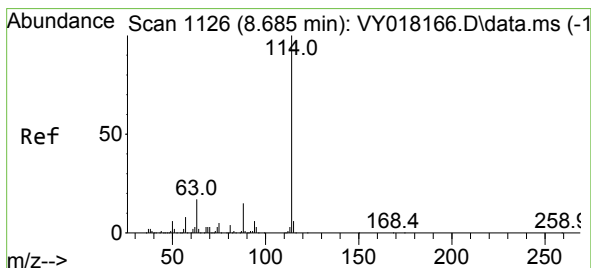
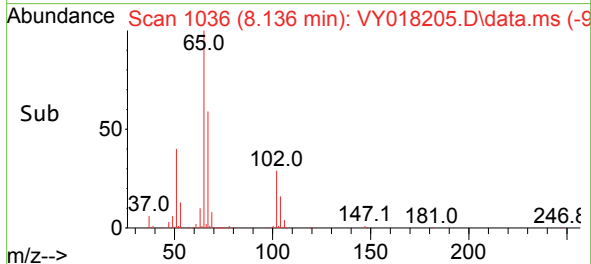
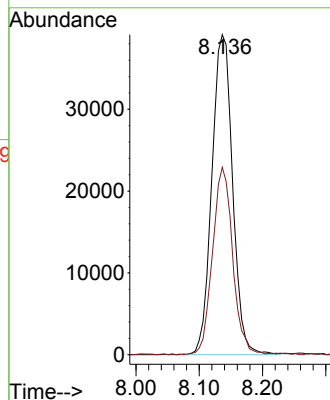
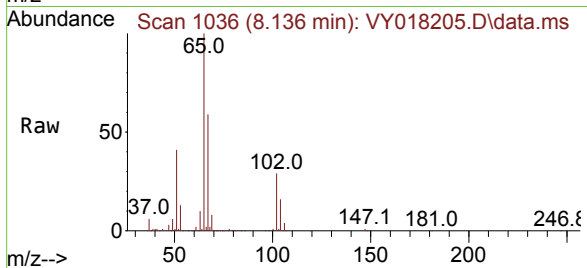
ClientSampleId :

Tgt Ion: 65 Resp: 88925

Ion Ratio Lower Upper

65 100

67 56.9 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: VY018205.D

Acq: 09 May 2024 12:33

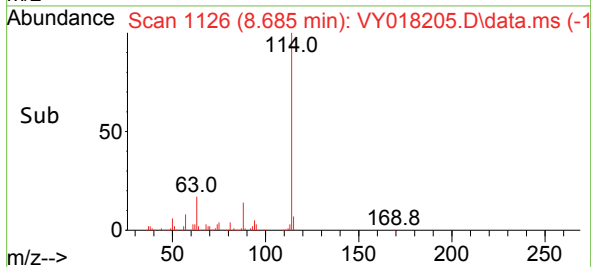
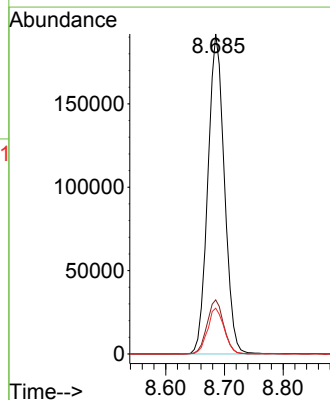
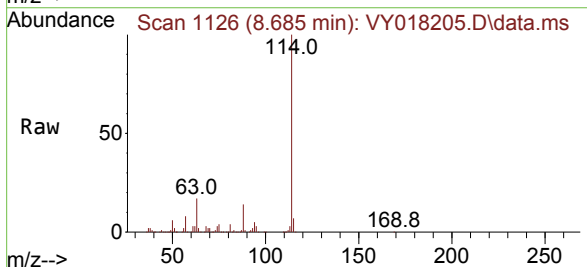
Tgt Ion: 114 Resp: 373964

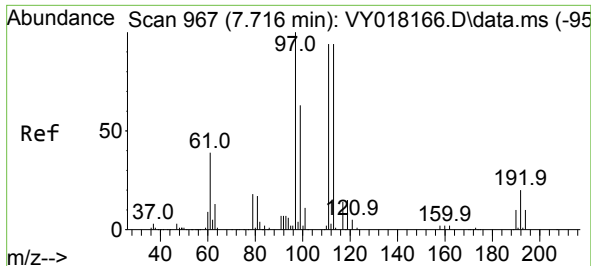
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

88 14.3 0.0 27.2

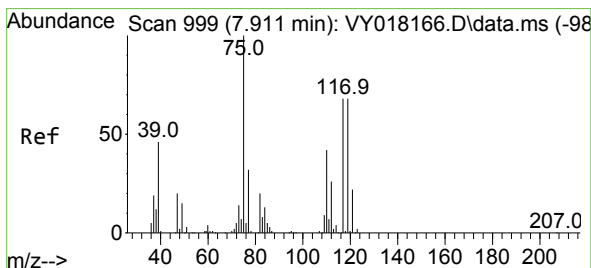
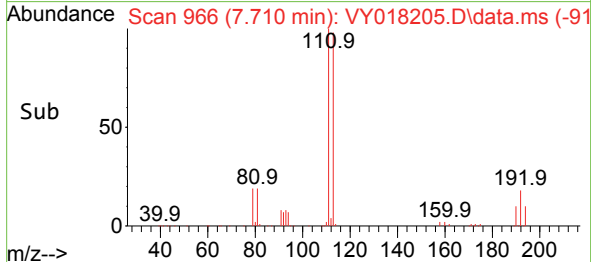
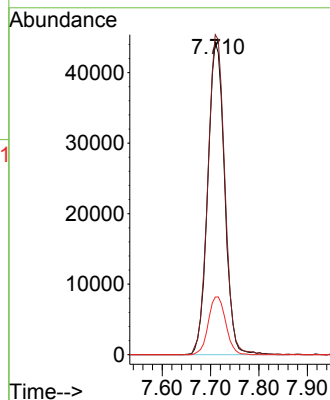
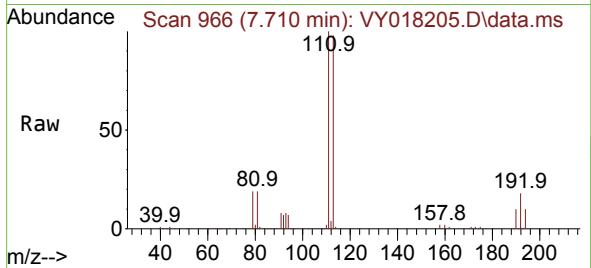




#35
Dibromofluoromethane
Concen: 54.467 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY018205.D
Acq: 09 May 2024 12:33

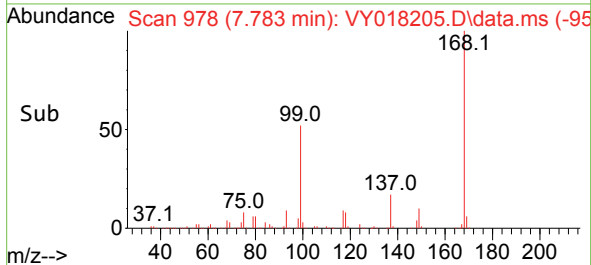
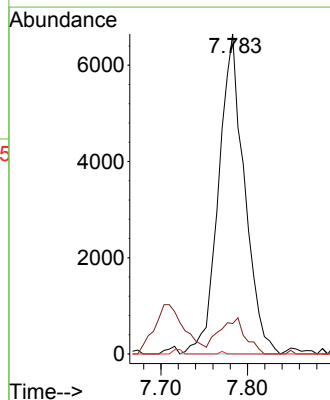
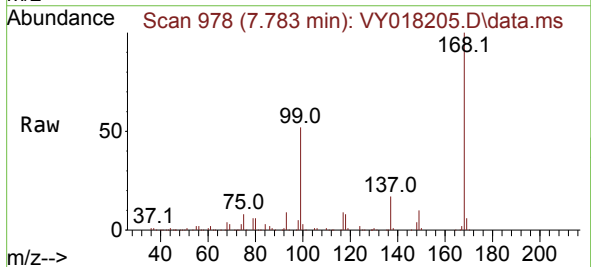
Instrument :
MSVOA_Y
ClientSampleId :

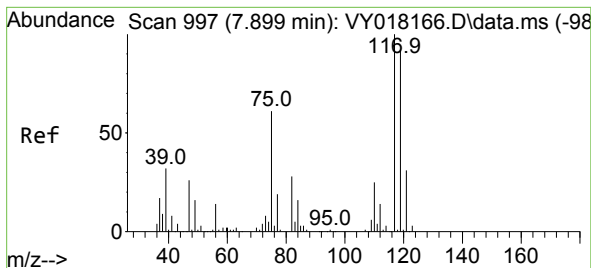
Tgt Ion:113 Resp: 107047
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 19.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.888 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY018205.D
Acq: 09 May 2024 12:33

Tgt Ion: 75 Resp: 13771
Ion Ratio Lower Upper
75 100
110 11.5 19.0 57.0#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.109 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.116 min

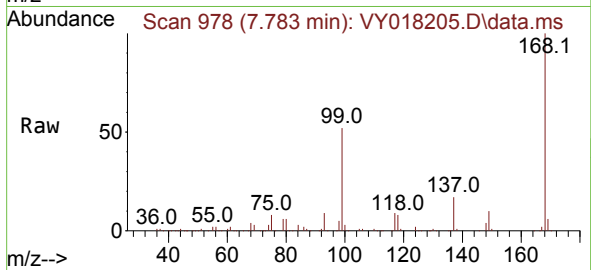
Lab File: VY018205.D

Acq: 09 May 2024 12:33

Instrument :

MSVOA_Y

ClientSampleId :



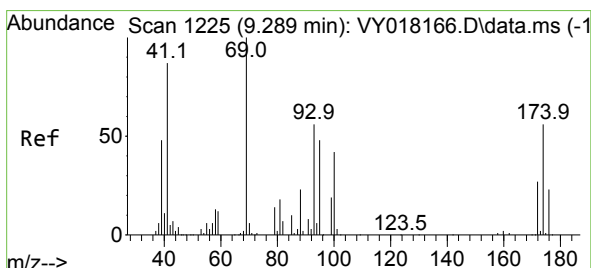
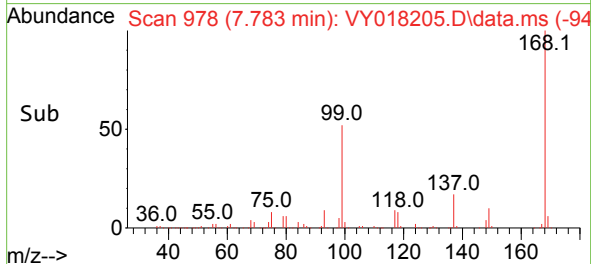
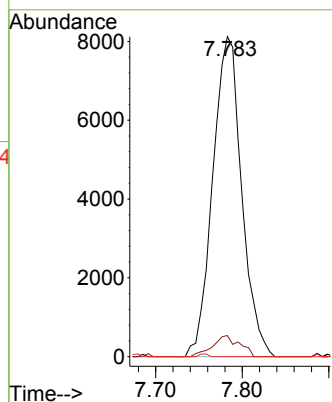
Tgt Ion:117 Resp: 18808

Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

121 0.0 24.0 36.0#



#49

1,4-Dioxane

Concen: 1.455 ug/l

RT: 9.465 min Scan# 1254

Delta R.T. 0.177 min

Lab File: VY018205.D

Acq: 09 May 2024 12:33

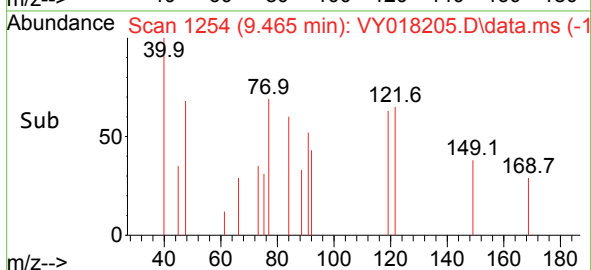
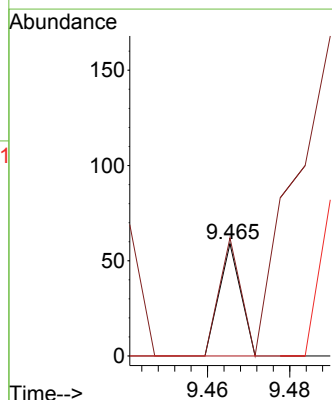
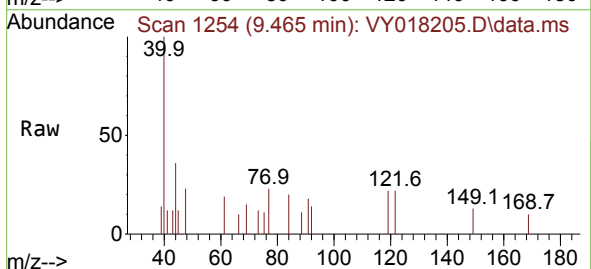
Tgt Ion: 88 Resp: 22

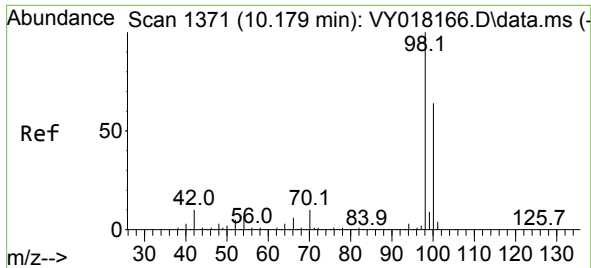
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 49.3 73.9#

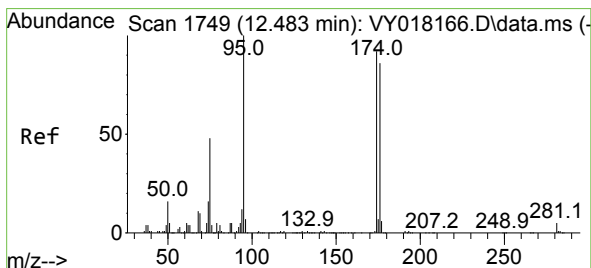
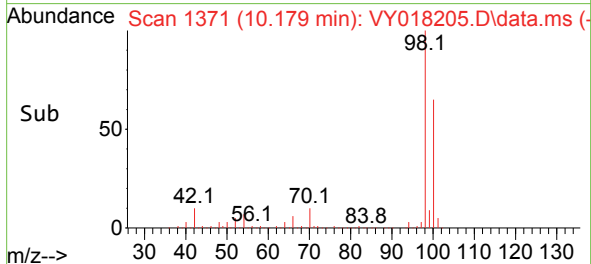
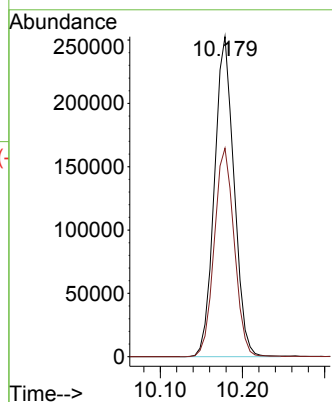
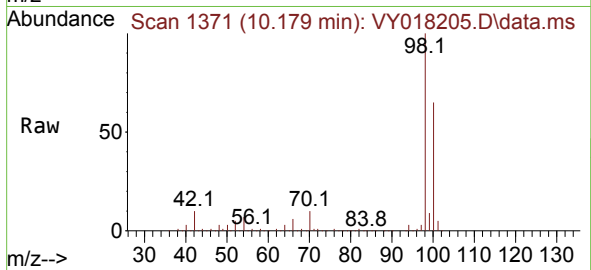




#50
Toluene-d8
Concen: 54.132 ug/l
RT: 10.179 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY018205.D
Acq: 09 May 2024 12:33

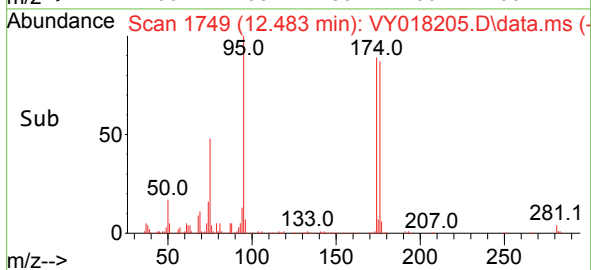
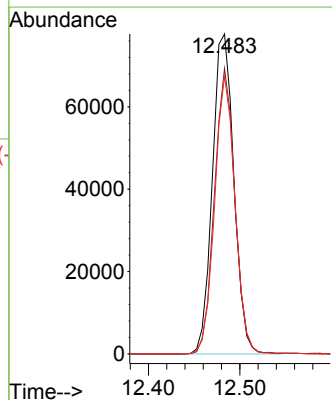
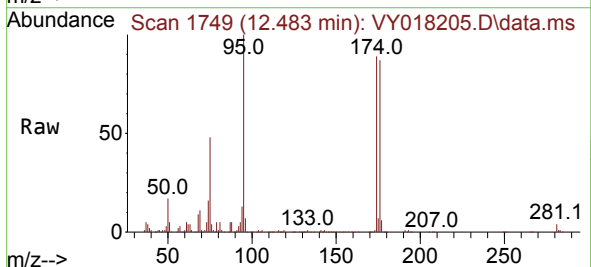
Instrument :
MSVOA_Y
ClientSampleId :

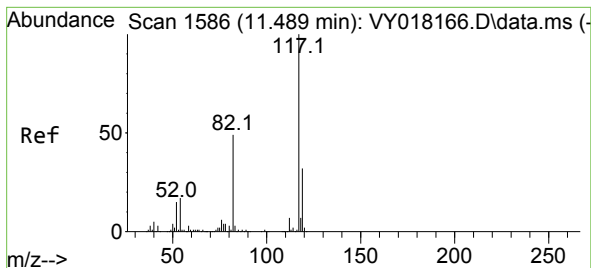
Tgt Ion: 98 Resp: 419234
Ion Ratio Lower Upper
98 100
100 66.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 50.743 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018205.D
Acq: 09 May 2024 12:33

Tgt Ion: 95 Resp: 126914
Ion Ratio Lower Upper
95 100
174 84.7 0.0 175.6
176 82.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018205.D

Acq: 09 May 2024 12:33

Instrument :

MSVOA_Y

ClientSampleId :

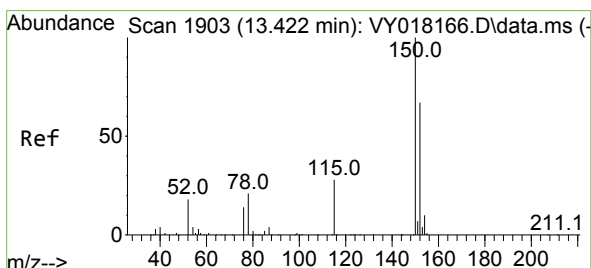
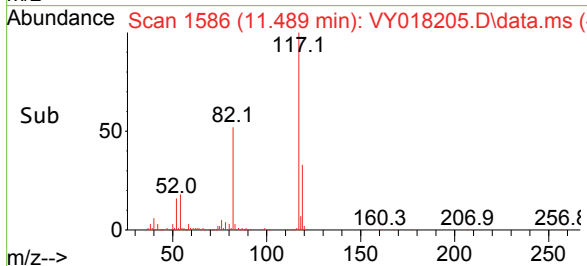
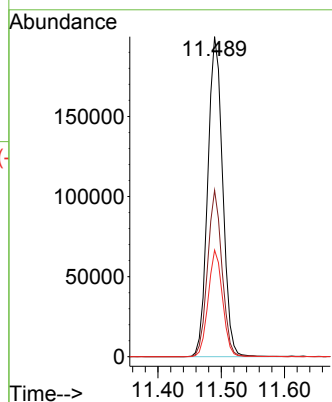
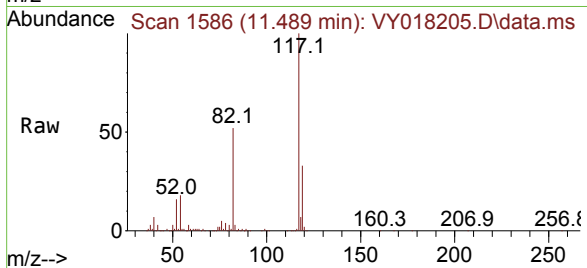
Tgt Ion:117 Resp: 327748

Ion Ratio Lower Upper

117 100

82 52.0 42.4 63.6

119 33.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY018205.D

Acq: 09 May 2024 12:33

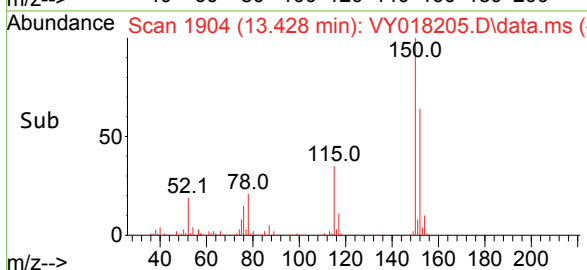
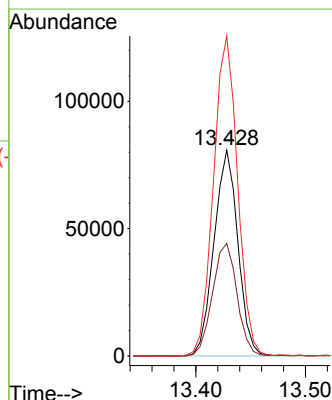
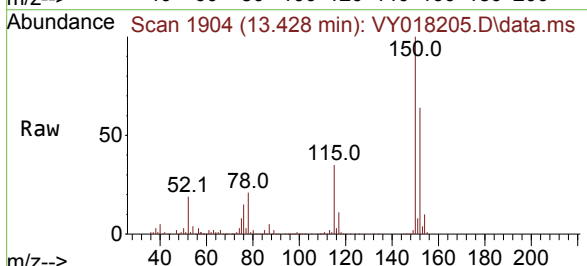
Tgt Ion:152 Resp: 122262

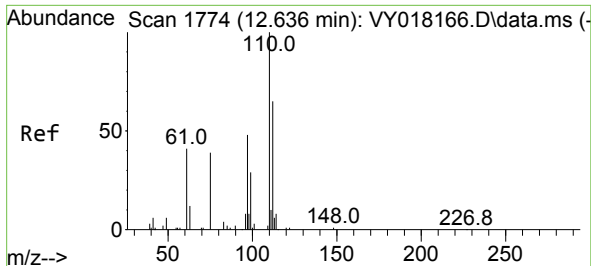
Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.7

150 157.2 0.0 345.6

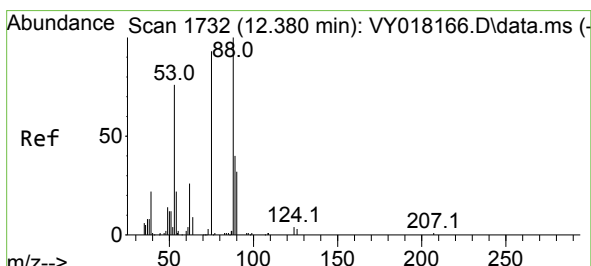
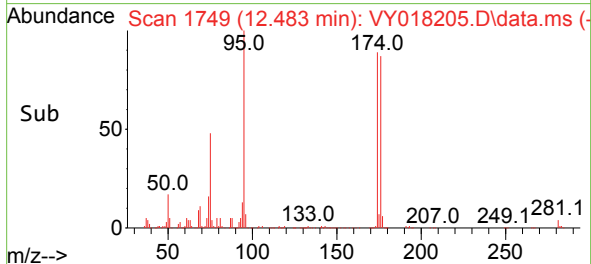
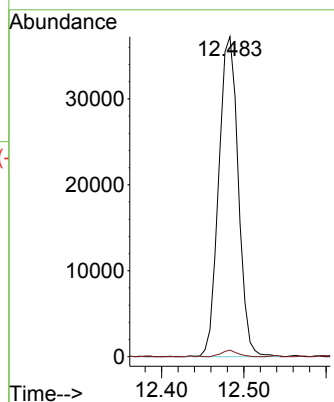
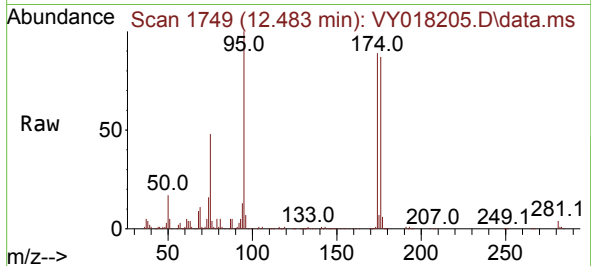




#76
1,2,3-Trichloropropane
Concen: 62.834 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY018205.D
Acq: 09 May 2024 12:33

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 61491
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.060 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY018205.D
Acq: 09 May 2024 12:33

Tgt Ion: 75 Resp: 61491
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#

