

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051424\
 Data File : VY018261.D
 Acq On : 14 May 2024 16:22
 Operator : SY/MD
 Sample : P2474-01
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-114-SB02

Quant Time: May 15 04:16:44 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)

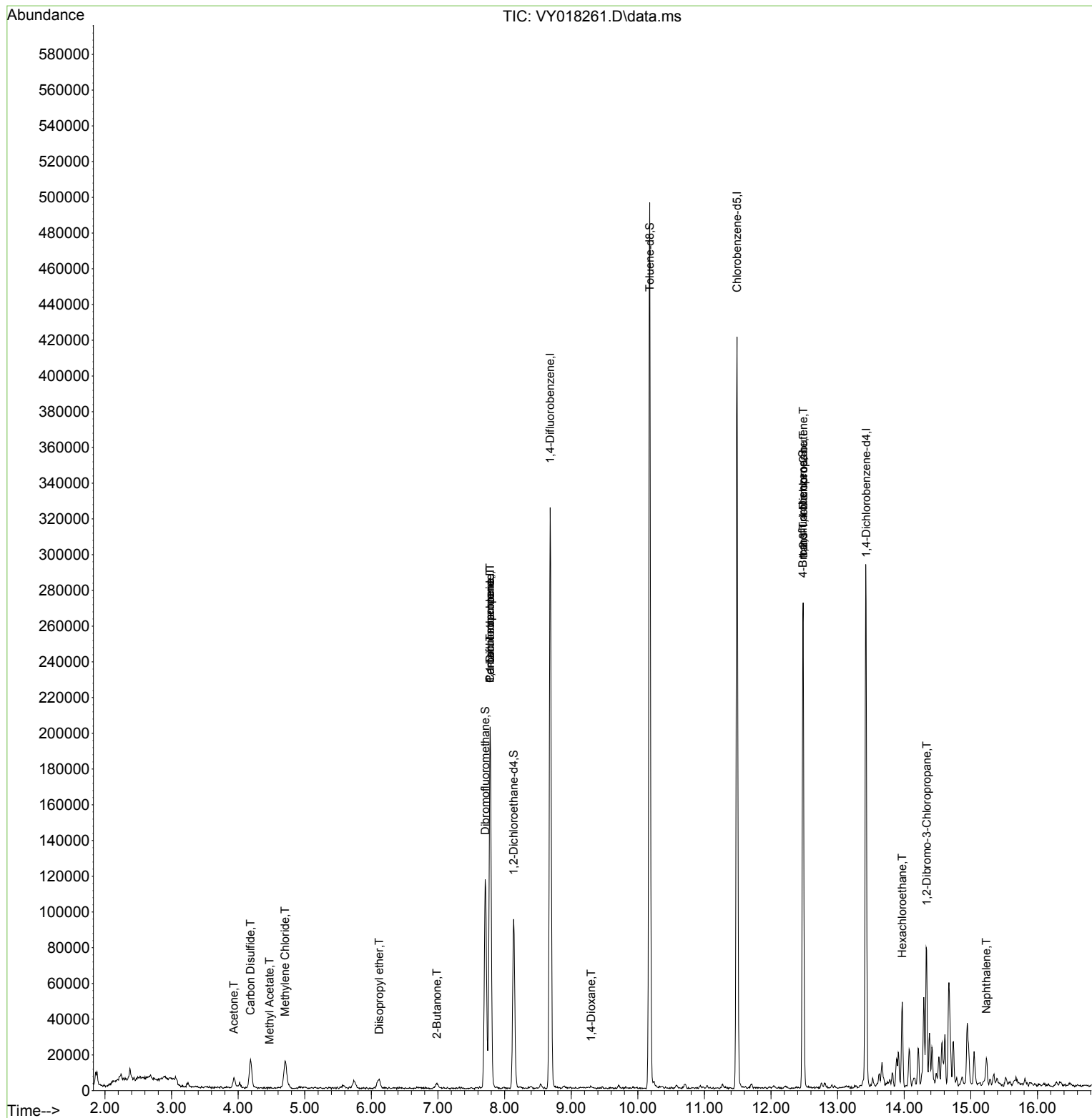
Internal Standards							
1) Pentafluorobenzene		7.783	168	155190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.685	114	291209	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.490	117	235276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.428	152	76141	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.136	65	70651	61.883	ug/l	0.00
Spiked Amount 50.000		Range	50 - 163	Recovery	= 123.760%		
35) Dibromofluoromethane		7.710	113	83123	54.313	ug/l	0.00
Spiked Amount 50.000		Range	54 - 147	Recovery	= 108.620%		
50) Toluene-d8		10.179	98	327289	54.269	ug/l	0.00
Spiked Amount 50.000		Range	58 - 134	Recovery	= 108.540%		
62) 4-Bromofluorobenzene		12.477	95	84438	43.354	ug/l	0.00
Spiked Amount 50.000		Range	30 - 143	Recovery	= 86.700%		
Target Compounds							
							Qvalue
11) Tert butyl alcohol		4.942	59	916	Below Cal	#	52
13) Acrolein		3.717	56	128	Below Cal	#	78
16) Acetone		3.936	43	8881	38.980	ug/l	91
17) Carbon Disulfide		4.186	76	32763	8.019	ug/l	97
18) Methyl Acetate		4.472	43	699	1.077	ug/l	# 46
20) Methylene Chloride		4.704	84	12120	7.526	ug/l	97
22) Diisopropyl ether		6.119	45	6759	1.669	ug/l	# 89
25) 2-Butanone		6.984	43	3575	9.816	ug/l	90
31) Cyclohexane		7.777	56	3537	Below Cal	#	4
36) 1,1-Dichloropropene		7.783	75	11933	5.439	ug/l	# 48
38) Carbon Tetrachloride		7.783	117	16011	6.679	ug/l	# 17
49) 1,4-Dioxane		9.301	88	985	83.662	ug/l	# 67
76) 1,2,3-Trichloropropane		12.483	75	41492	68.080	ug/l	# 100
81) trans-1,4-Dichloro-2-b...		12.483	75	41492	131.167	ug/l	# 16
90) Hexachloroethane		13.971	117	1943	1.977	ug/l	# 12
92) 1,2-Dibromo-3-Chloropr...		14.337	75	366	2.952	ug/l	# 1
95) Naphthalene		15.233	128	11496	5.126	ug/l	96

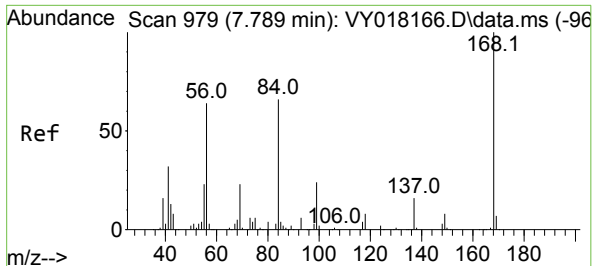
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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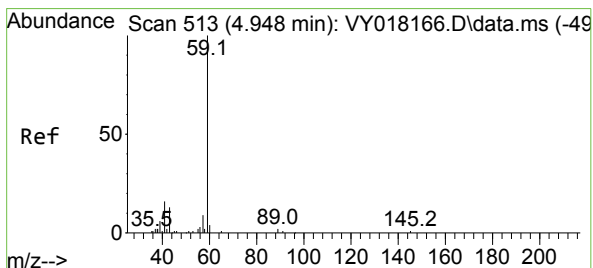
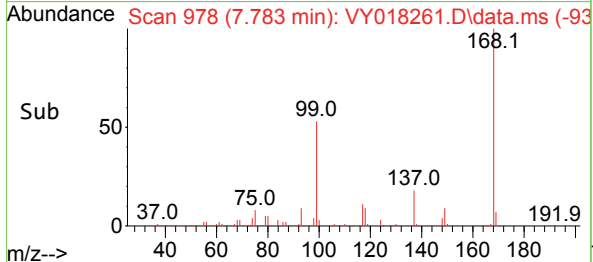
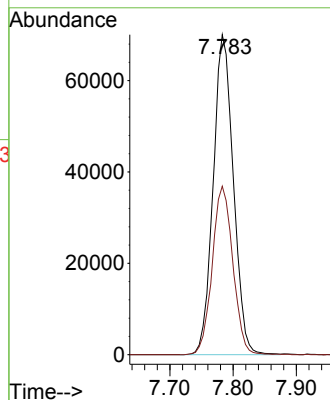
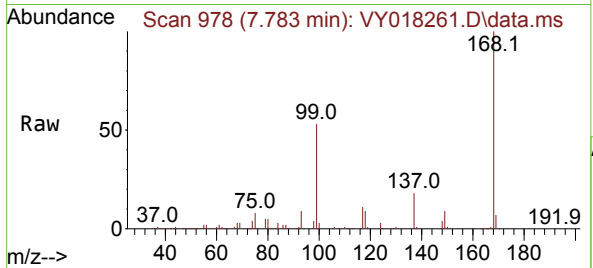




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

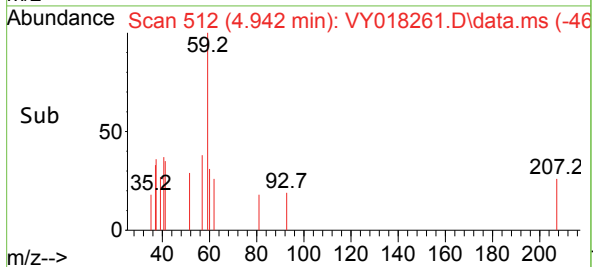
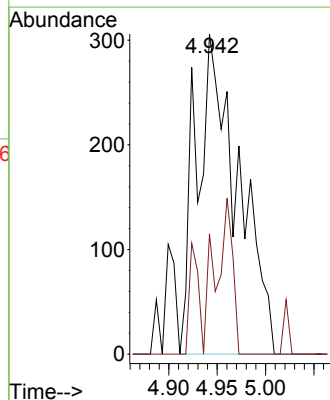
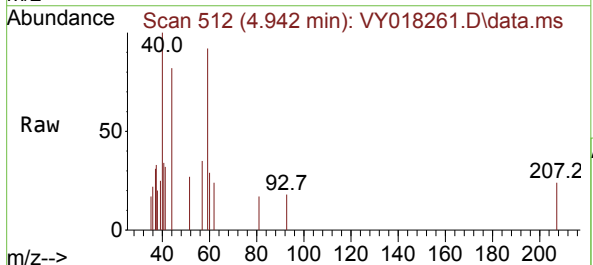
Instrument :
MSVOA_Y
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B-114-SB02

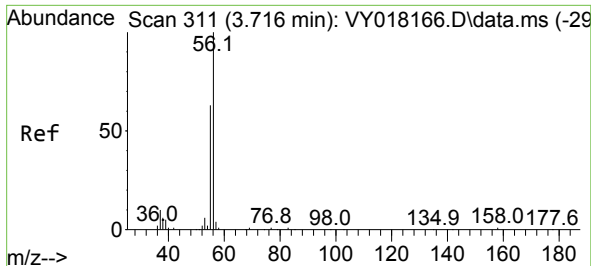
Tgt Ion:168 Resp: 155190
Ion Ratio Lower Upper
168 100
99 52.7 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

Tgt Ion: 59 Resp: 916
Ion Ratio Lower Upper
59 100
57 19.7 3.0 4.6#





#13

Acrolein

Concen: Below Cal

RT: 3.717 min Scan# 311

Delta R.T. 0.001 min

Lab File: VY018261.D

Acq: 14 May 2024 16:22

Instrument :

MSVOA_Y

ClientSampleId :

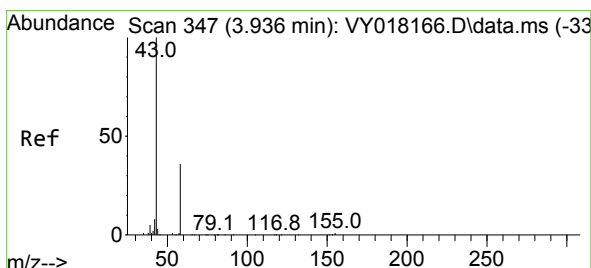
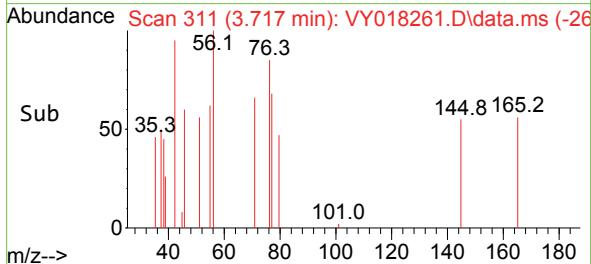
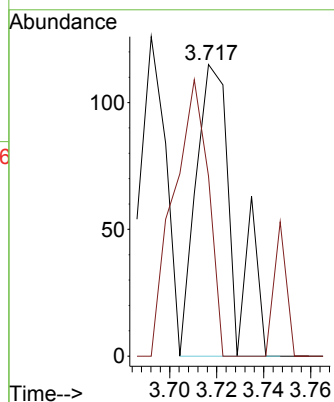
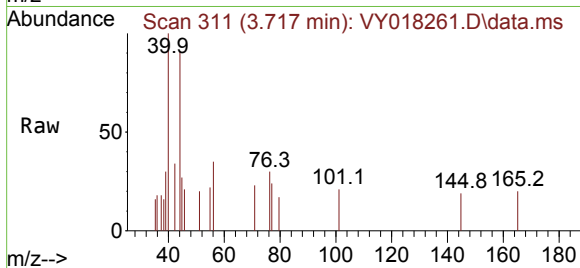
B-114-SB02

Tgt Ion: 56 Resp: 128

Ion Ratio Lower Upper

56 100

55 87.5 55.7 83.5#



#16

Acetone

Concen: 38.980 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY018261.D

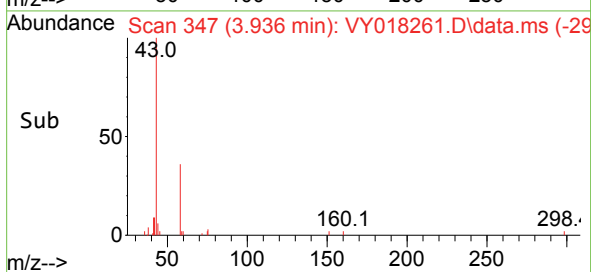
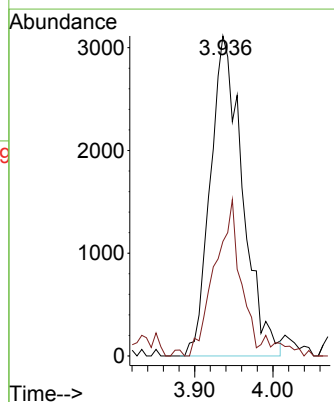
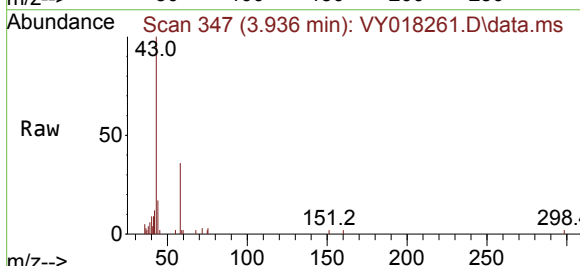
Acq: 14 May 2024 16:22

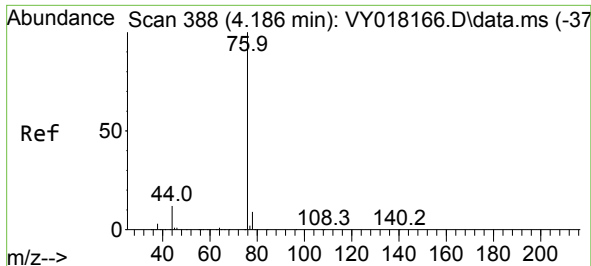
Tgt Ion: 43 Resp: 8881

Ion Ratio Lower Upper

43 100

58 33.9 31.7 47.5

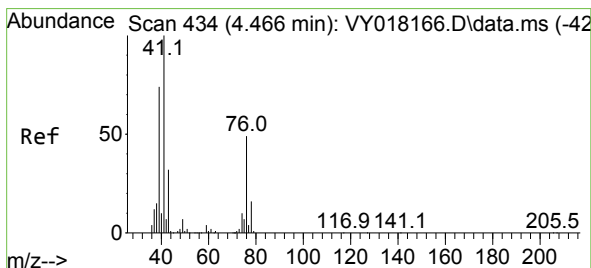
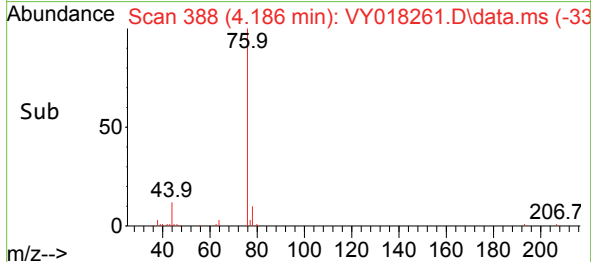
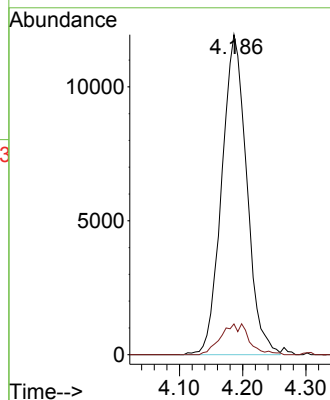
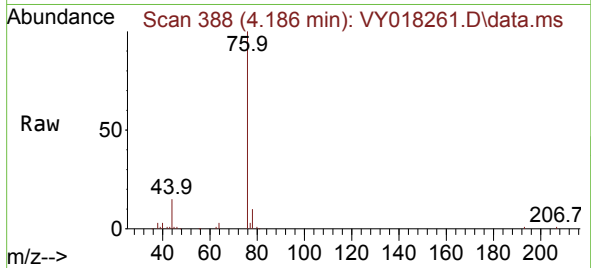




#17
Carbon Disulfide
Concen: 8.019 ug/l
RT: 4.186 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

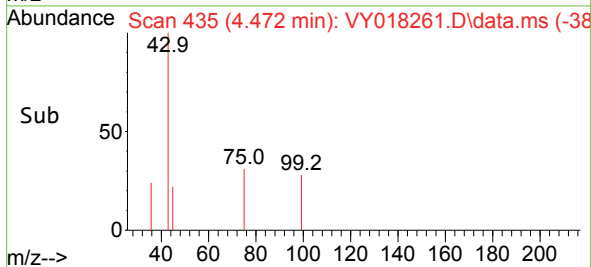
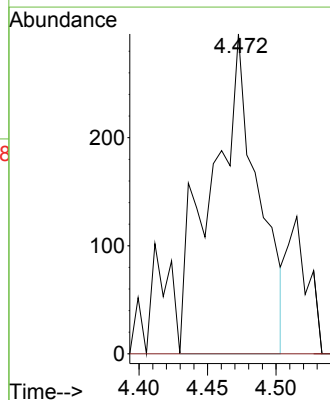
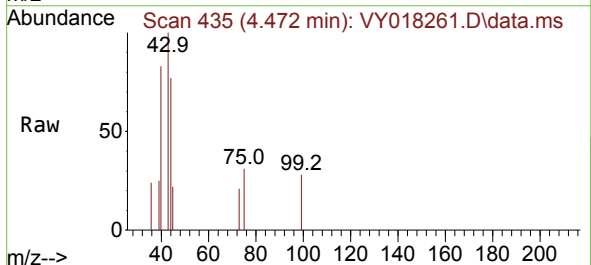
Instrument :
MSVOA_Y
ClientSampleId :
B-114-SB02

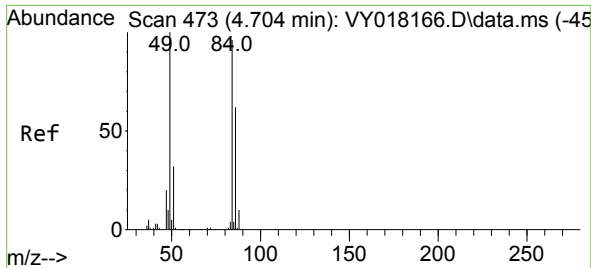
Tgt Ion: 76 Resp: 32763
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2



#18
Methyl Acetate
Concen: 1.077 ug/l
RT: 4.472 min Scan# 435
Delta R.T. 0.006 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

Tgt Ion: 43 Resp: 699
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#

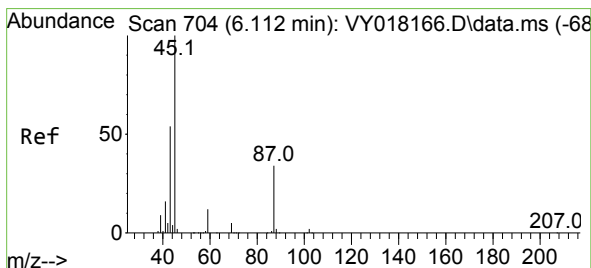
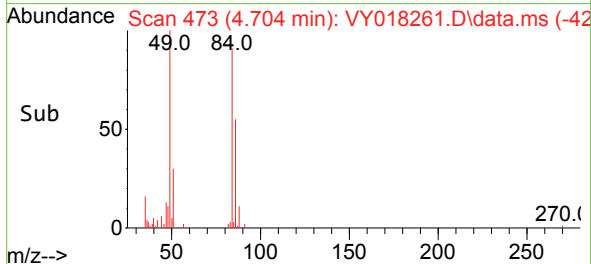
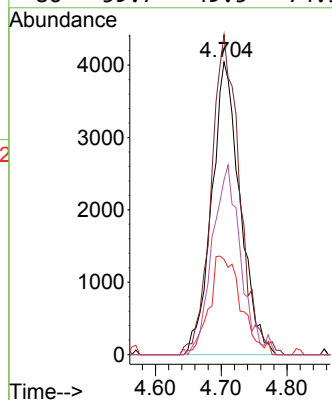
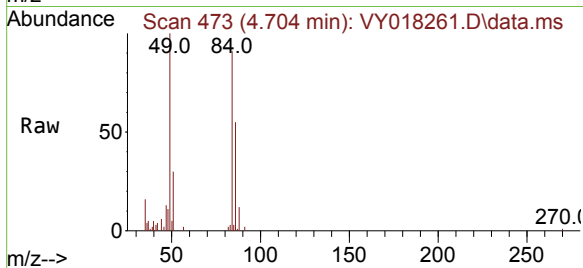




#20
Methylene Chloride
Concen: 7.526 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

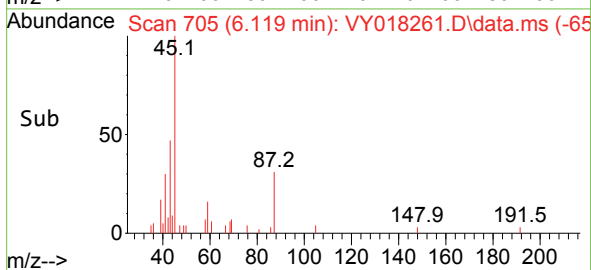
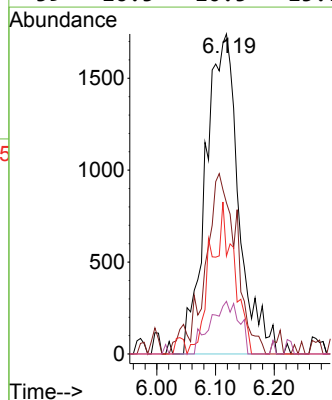
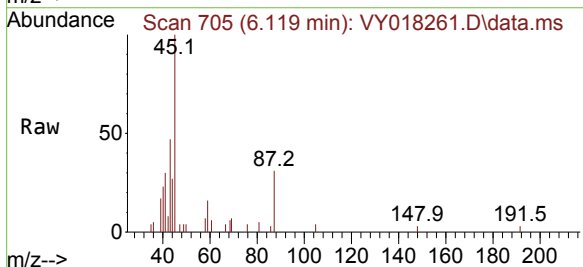
Instrument :
MSVOA_Y
ClientSampleId :
B-114-SB02

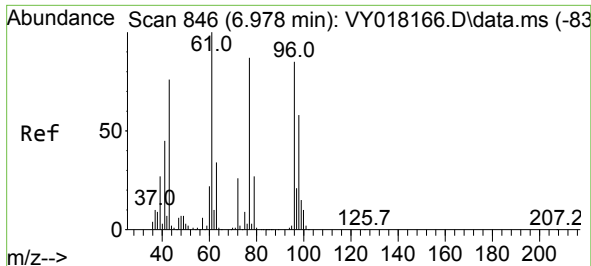
Tgt Ion: 84	Resp: 12120
Ion Ratio	Lower Upper
84 100	
49 109.4	84.4 126.6
51 32.6	26.0 39.0
86 59.7	49.5 74.3



#22
Diisopropyl ether
Concen: 1.669 ug/l
RT: 6.119 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

Tgt	Ion: 45	Resp:	6759
Ion	Ratio	Lower	Upper
45	100		
43	39.9	42.2	63.2#
87	30.6	25.0	37.6
59	16.5	10.5	15.7#





#25

2-Butanone

Concen: 9.816 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY018261.D

Acq: 14 May 2024 16:22

Instrument :

MSVOA_Y

ClientSampleId :

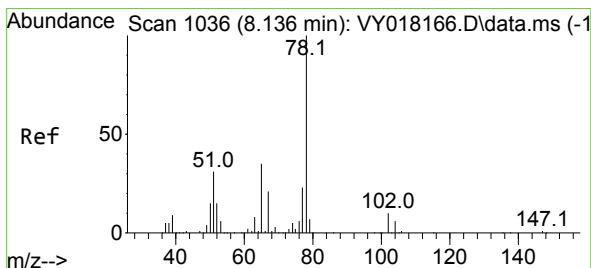
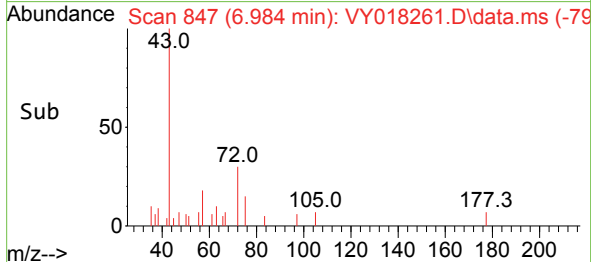
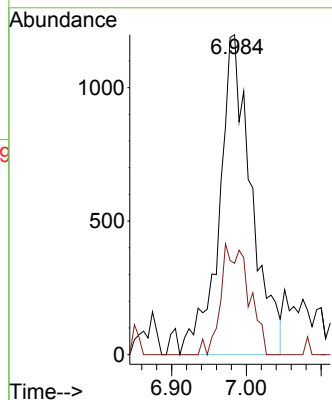
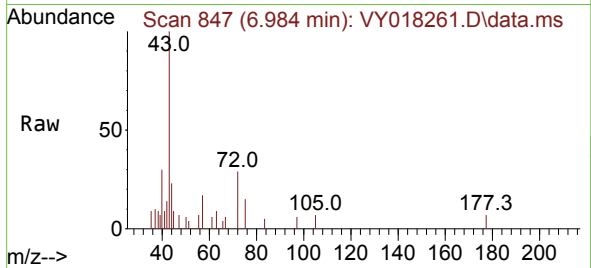
B-114-SB02

Tgt Ion: 43 Resp: 3575

Ion Ratio Lower Upper

43 100

72 28.5 27.3 40.9



#33

1,2-Dichloroethane-d4

Concen: 61.883 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY018261.D

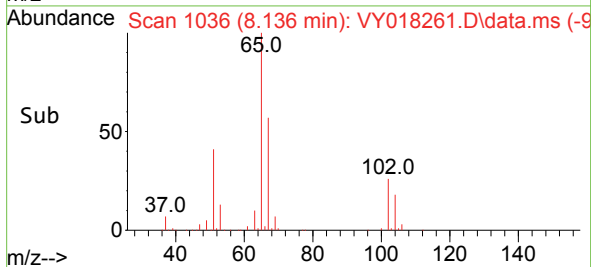
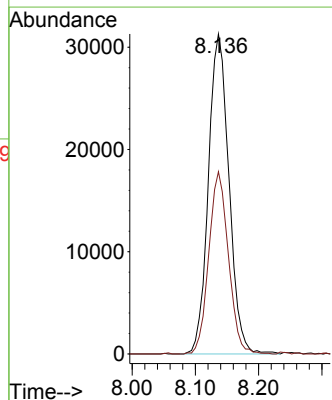
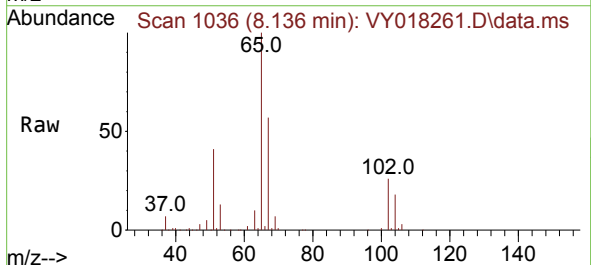
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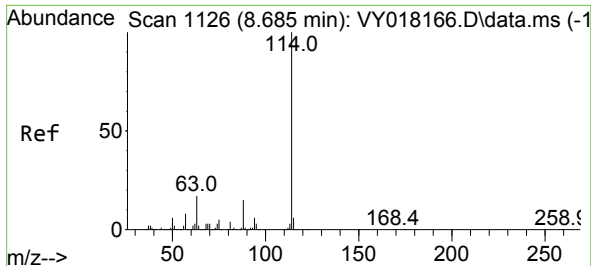
Tgt Ion: 65 Resp: 70651

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.6

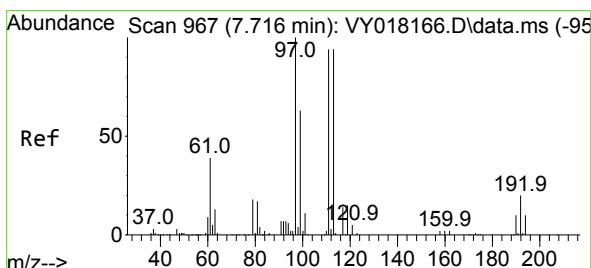
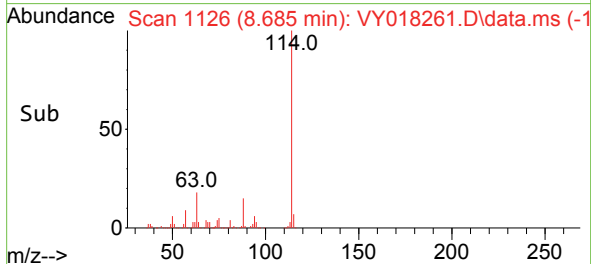
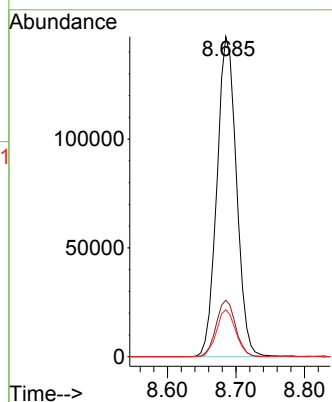
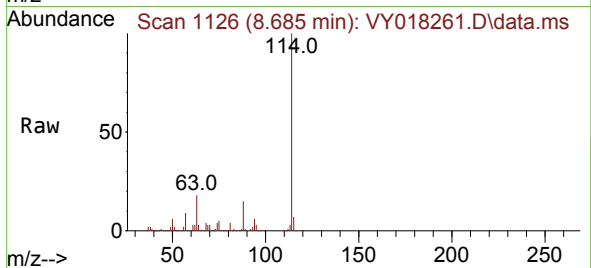




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

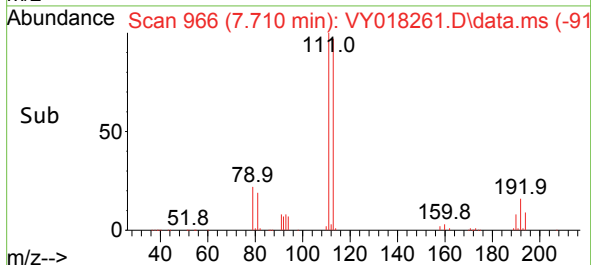
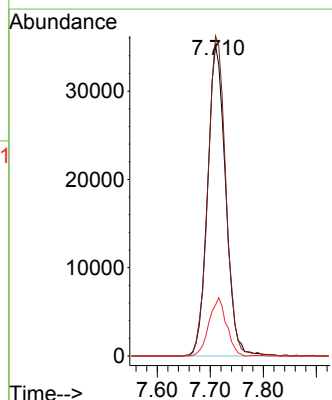
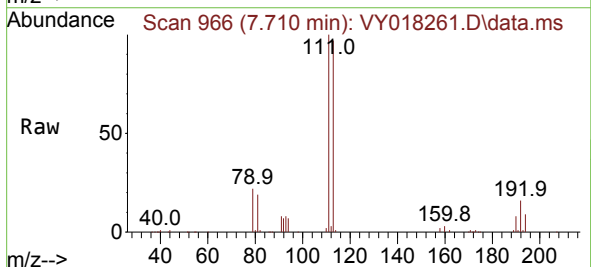
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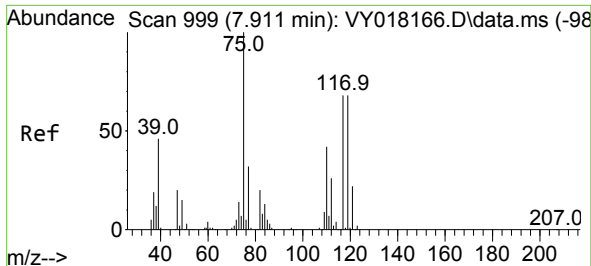
Tgt Ion:	114	Resp:	291209
Ion Ratio	Lower	Upper	
114	100		
63	17.6	0.0	35.0
88	14.7	0.0	27.2



#35
Dibromofluoromethane
Concen: 54.313 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

Tgt Ion:	113	Resp:	83123
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.2	123.4
192	18.2	15.9	23.9

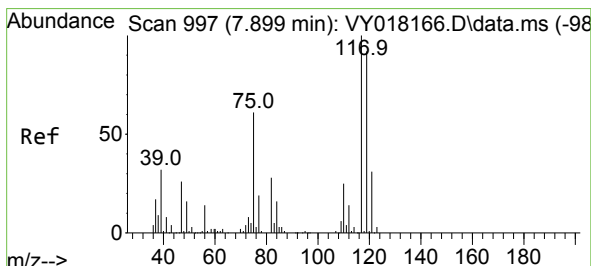
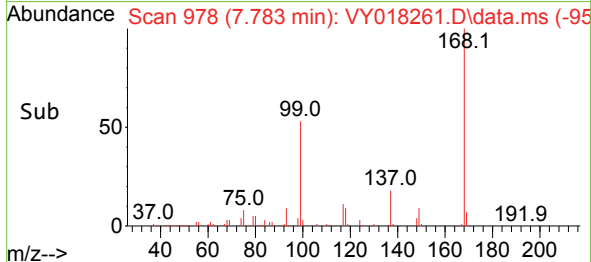
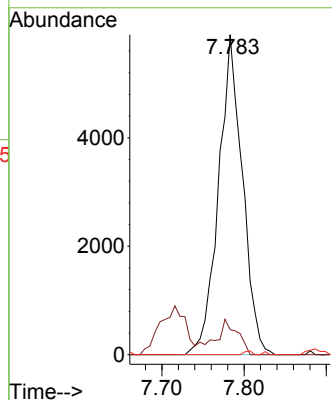
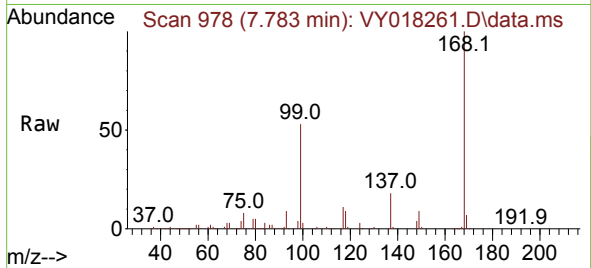




#36
1,1-Dichloropropene
Concen: 5.439 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

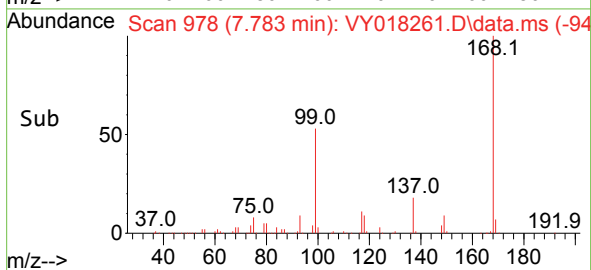
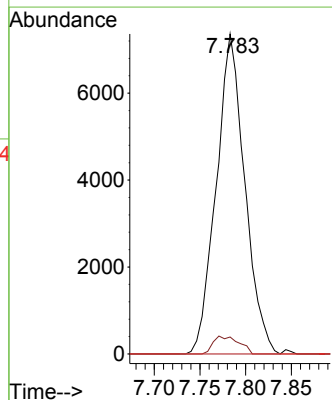
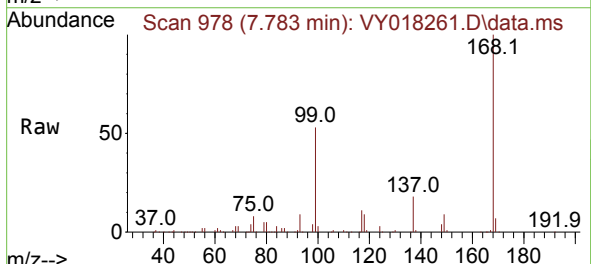
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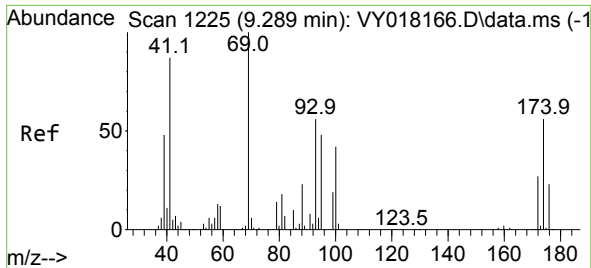
Tgt Ion: 75 Resp: 11933
Ion Ratio Lower Upper
75 100
110 9.1 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.679 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

Tgt Ion: 117 Resp: 16011
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.0 36.0#

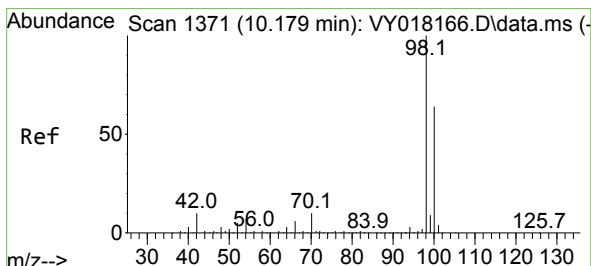
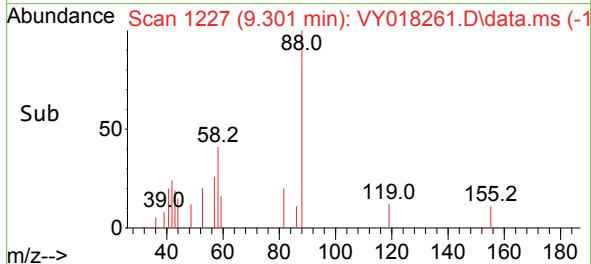
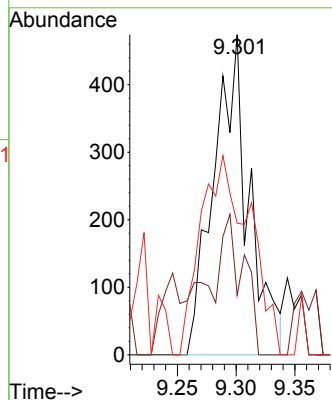
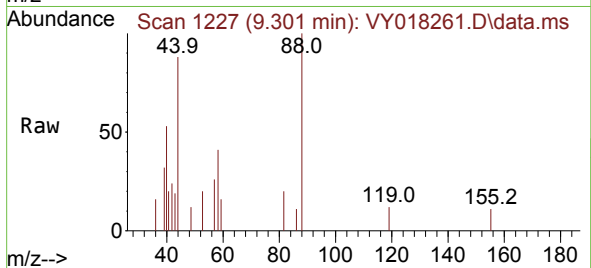




#49
1,4-Dioxane
Concen: 83.662 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. 0.012 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

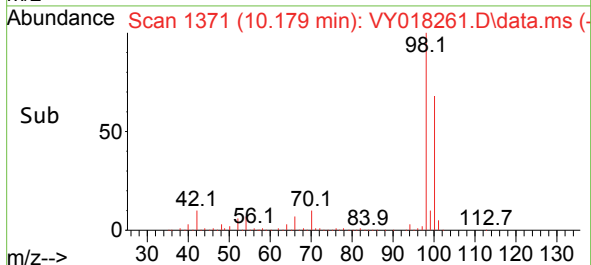
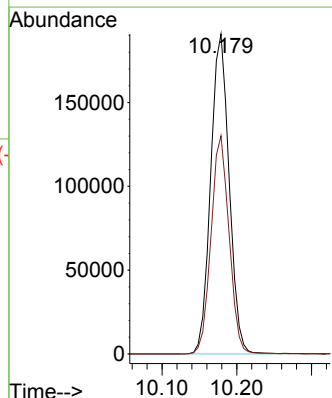
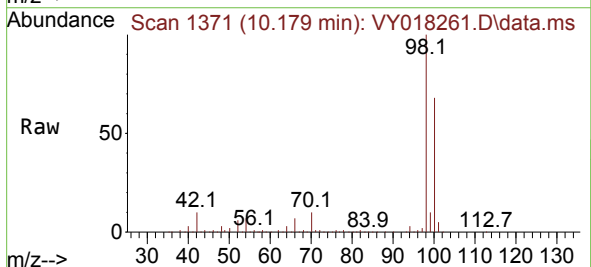
Instrument :
MSVOA_Y
ClientSampleId :
B-114-SB02

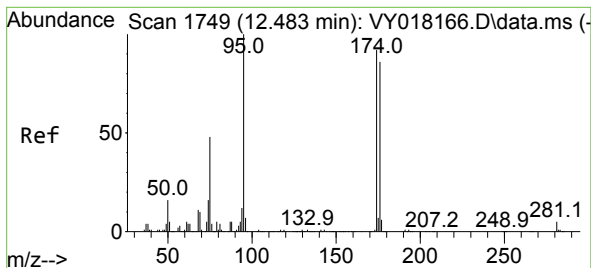
Tgt Ion: 88 Resp: 985
Ion Ratio Lower Upper
88 100
43 42.1 0.0 0.0#
58 87.2 49.3 73.9#



#50
Toluene-d8
Concen: 54.269 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

Tgt Ion: 98 Resp: 327289
Ion Ratio Lower Upper
98 100
100 66.7 52.0 78.0

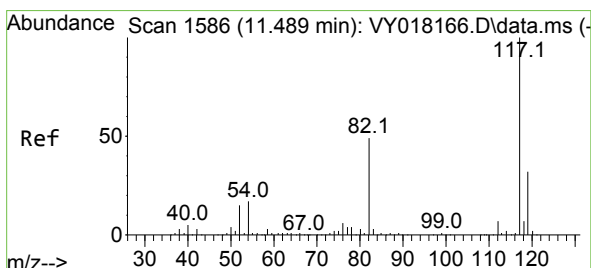
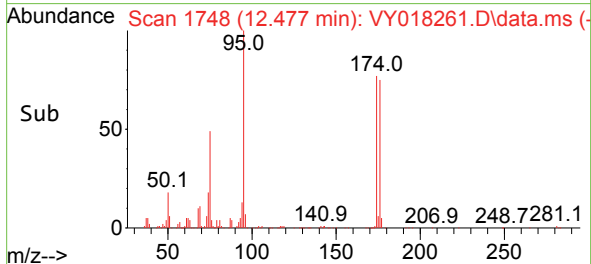
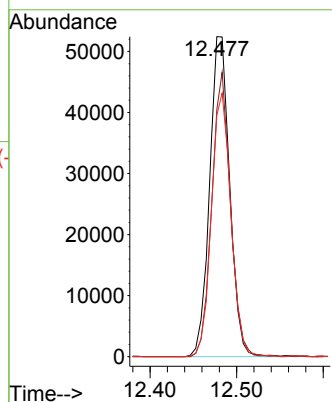
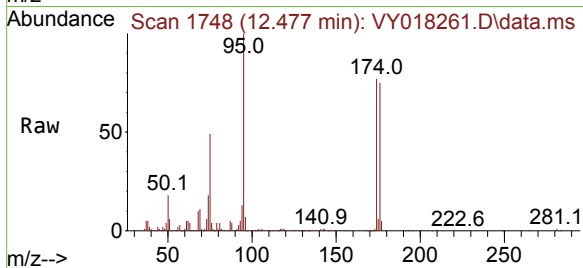




#62
4-Bromofluorobenzene
Concen: 43.354 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

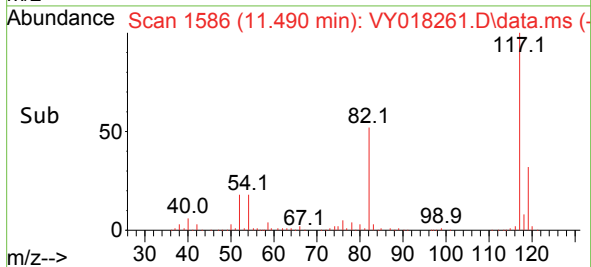
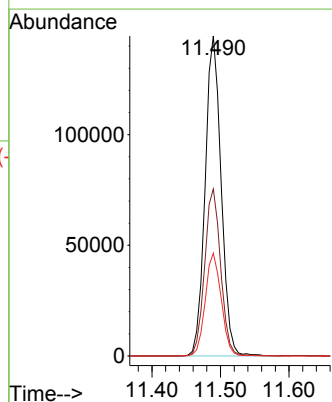
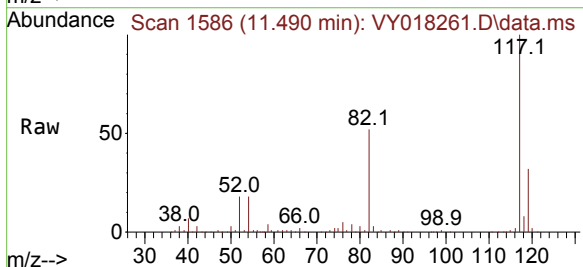
Instrument :
MSVOA_Y
ClientSampleId :
B-114-SB02

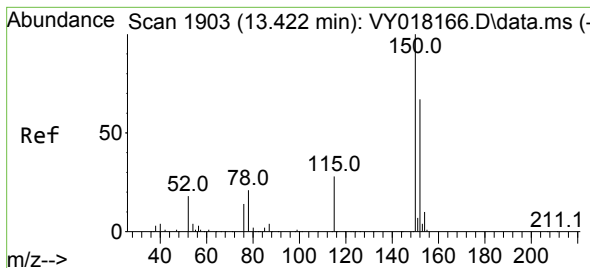
Tgt Ion: 95 Resp: 84438
Ion Ratio Lower Upper
95 100
174 82.4 0.0 175.6
176 80.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

Tgt Ion: 117 Resp: 235276
Ion Ratio Lower Upper
117 100
82 52.2 42.4 63.6
119 32.1 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: VY018261.D

Acq: 14 May 2024 16:22

Instrument :

MSVOA_Y

ClientSampleId :

B-114-SB02

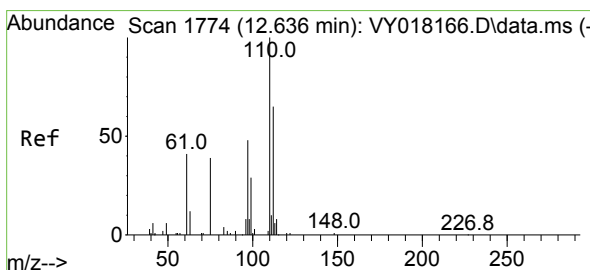
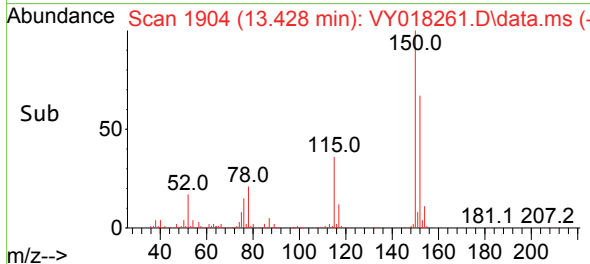
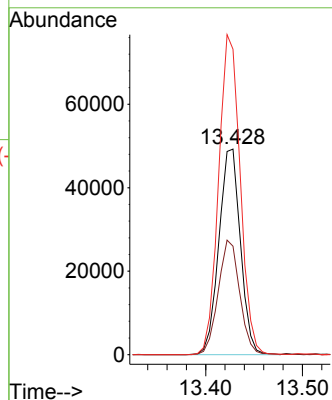
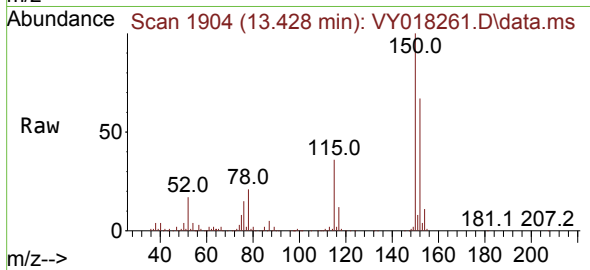
Tgt Ion:152 Resp: 76141

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.7

150 155.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 68.080 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY018261.D

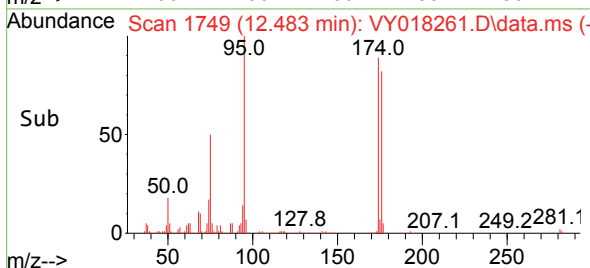
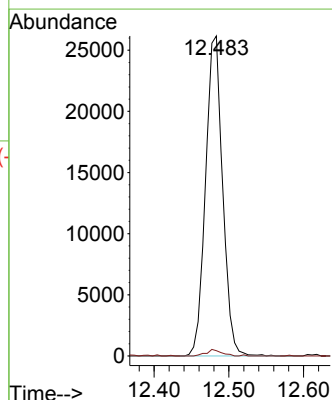
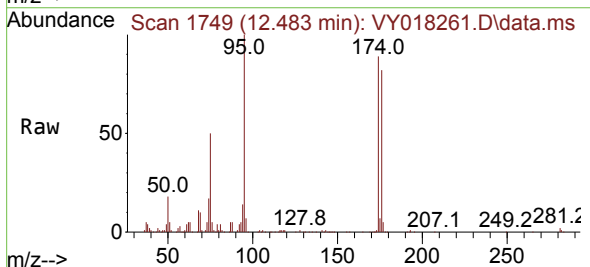
Acq: 14 May 2024 16:22

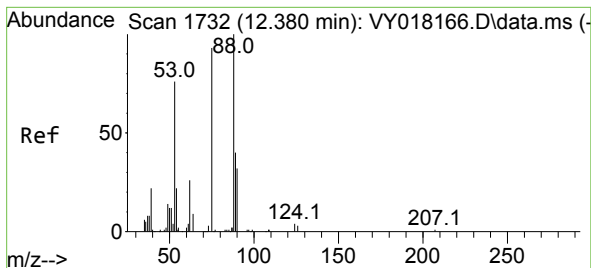
Tgt Ion: 75 Resp: 41492

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

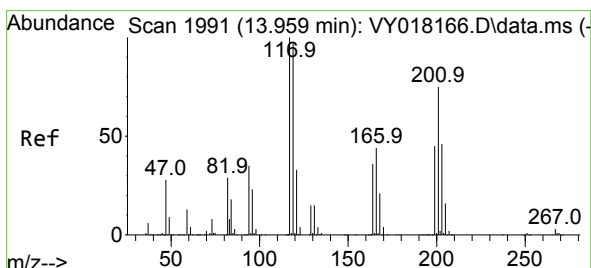
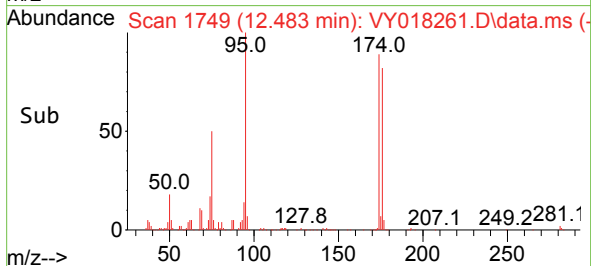
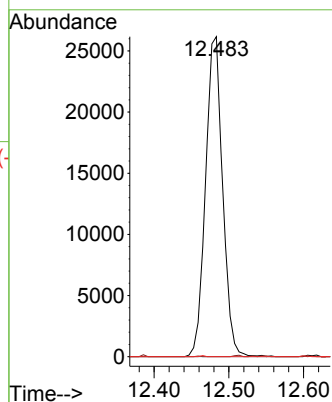
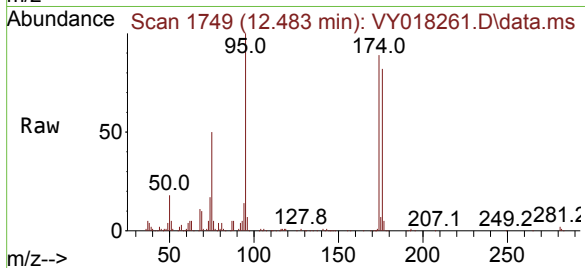




#81
trans-1,4-Dichloro-2-butene
Concen: 131.167 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

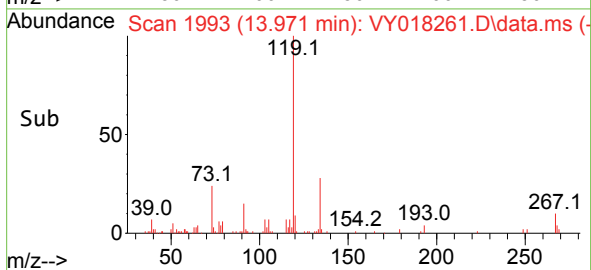
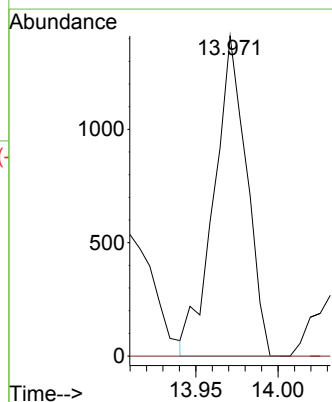
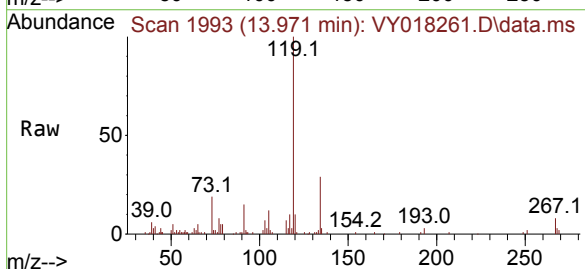
Instrument :
MSVOA_Y
ClientSampleId :
B-114-SB02

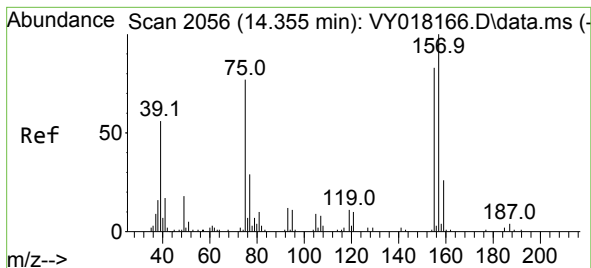
Tgt Ion: 75 Resp: 41492
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#90
Hexachloroethane
Concen: 1.977 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

Tgt Ion: 117 Resp: 1943
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#

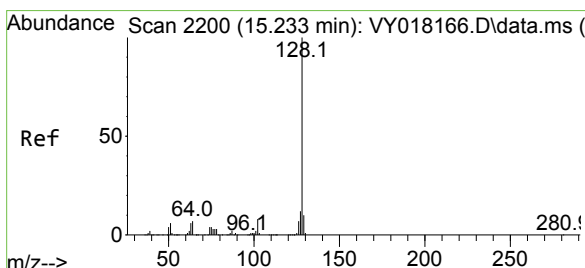
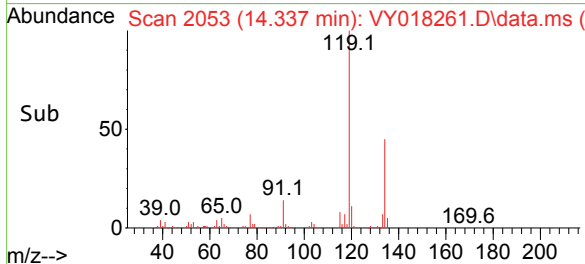
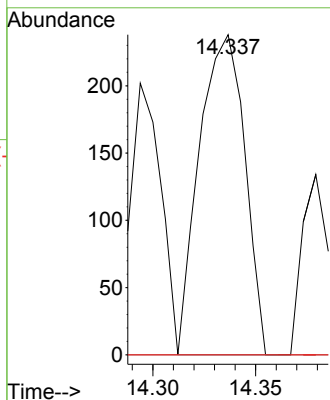
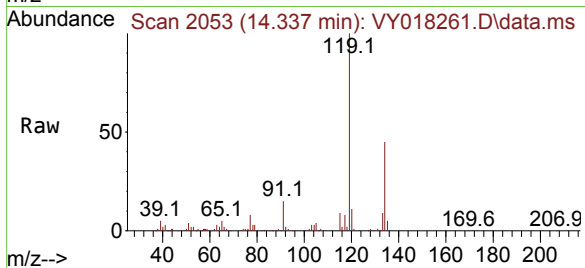




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.952 ug/l
RT: 14.337 min Scan# 2053
Delta R.T. -0.018 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

Instrument :
MSVOA_Y
ClientSampleId :
B-114-SB02

Tgt Ion: 75 Resp: 366
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#



#95
Naphthalene
Concen: 5.126 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY018261.D
Acq: 14 May 2024 16:22

Tgt Ion: 128 Resp: 11496
Ion Ratio Lower Upper
128 100
127 11.6 10.6 16.0
129 11.9 8.6 13.0

