

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051624\
 Data File : VY018291.D
 Acq On : 16 May 2024 17:34
 Operator : SY/MD
 Sample : P2497-05
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3997

Quant Time: May 17 01:17:40 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)

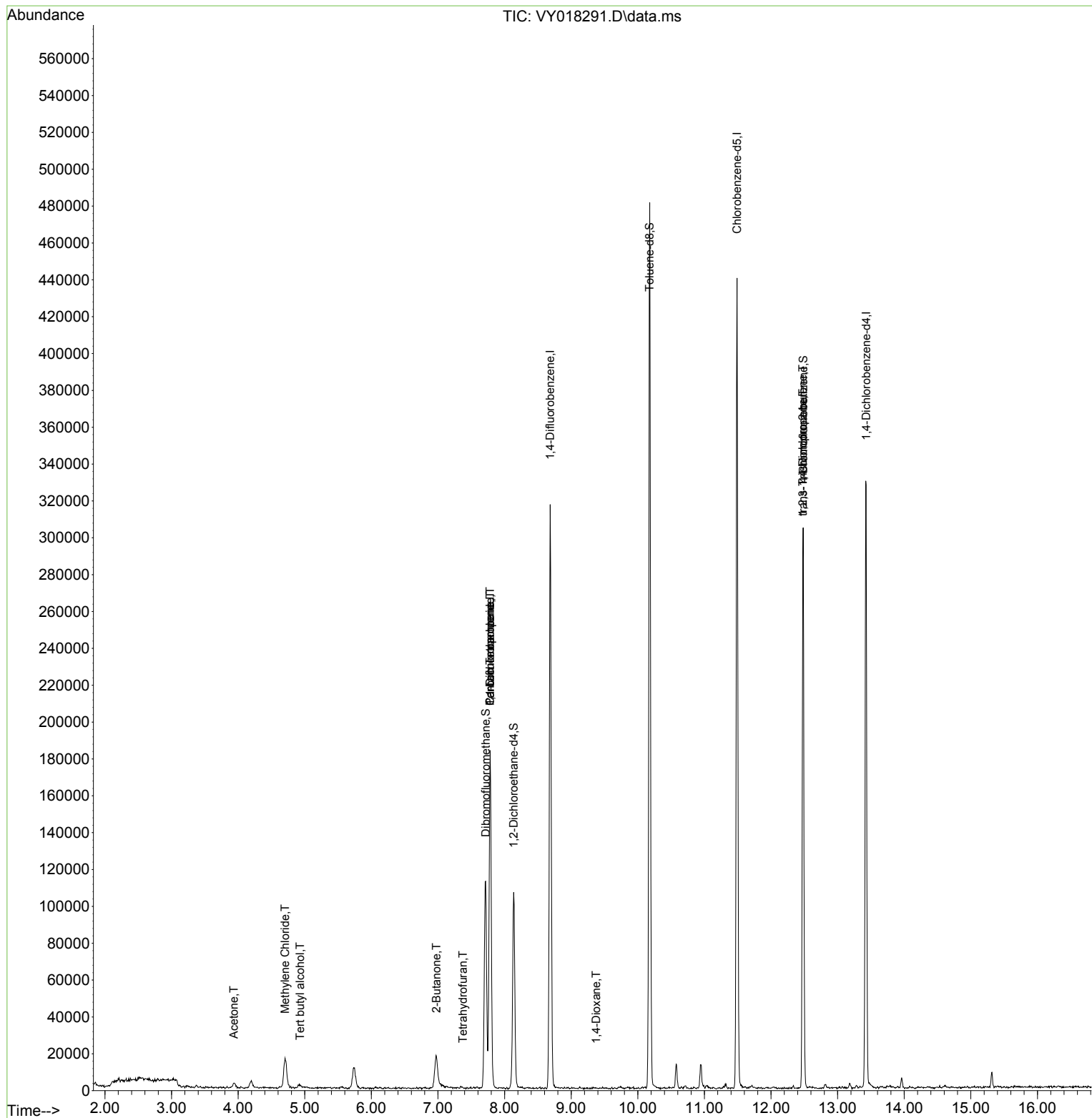
Internal Standards						
1) Pentafluorobenzene	7.783	168	136336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	277276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	244443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	86765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	77711	77.480	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 154.960%			
35) Dibromofluoromethane	7.716	113	82516	56.626	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.260%			
50) Toluene-d8	10.179	98	318777	55.513	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.020%			
62) 4-Bromofluorobenzene	12.483	95	95224	51.349	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.700%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.929	59	1551	6.041	ug/l #	88
13) Acrolein	3.698	56	57	Below Cal	#	14
16) Acetone	3.936	43	4765	23.807	ug/l	91
20) Methylene Chloride	4.704	84	12623	8.923	ug/l #	96
25) 2-Butanone	6.978	43	1486	4.645	ug/l #	41
29) Tetrahydrofuran	7.374	42	416	1.970	ug/l #	26
31) Cyclohexane	7.783	56	3183	Below Cal	#	44
36) 1,1-Dichloropropene	7.783	75	11249	5.385	ug/l #	50
38) Carbon Tetrachloride	7.783	117	14310	6.269	ug/l #	16
49) 1,4-Dioxane	9.374	88	20	1.784	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	48311	69.563	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	48311	134.024	ug/l #	16

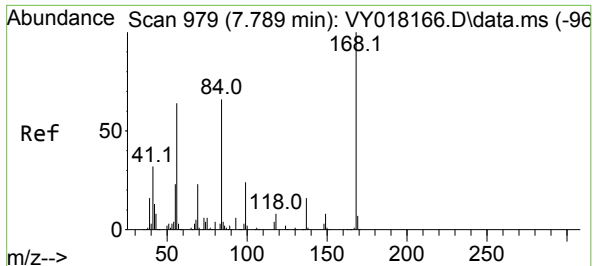
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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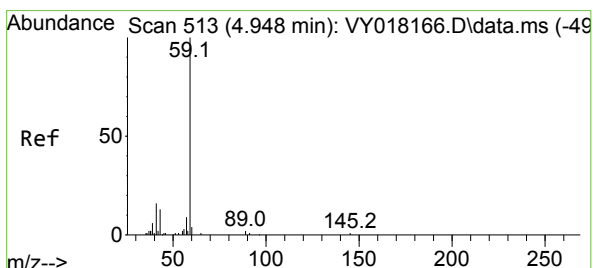
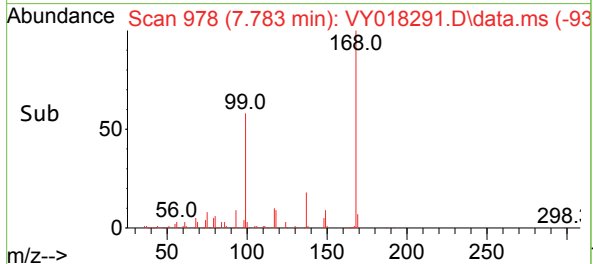
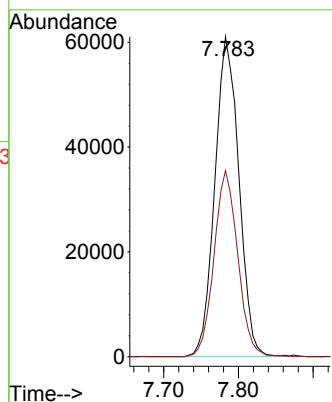
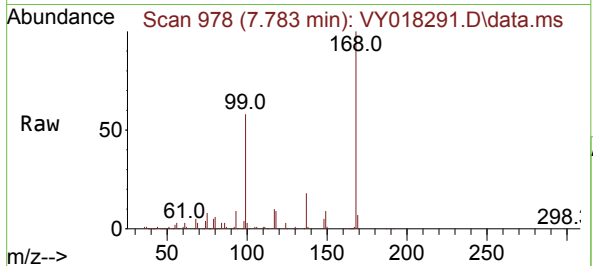




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018291.D
Acq: 16 May 2024 17:34

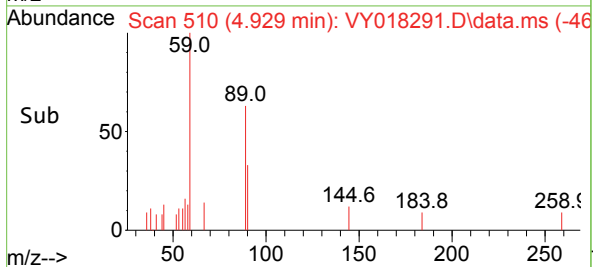
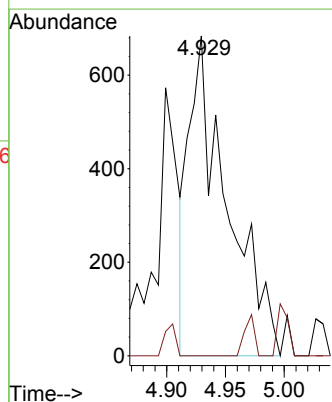
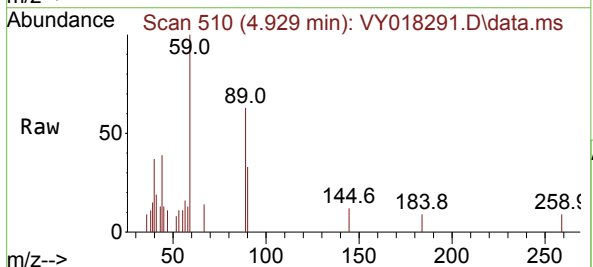
Instrument :
MSVOA_Y
ClientSampleId :
RT3997

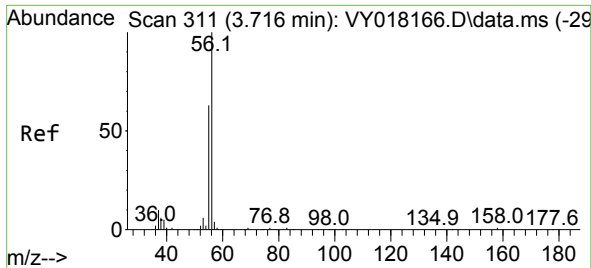
Tgt Ion:168 Resp: 136336
Ion Ratio Lower Upper
168 100
99 58.2 39.1 58.7



#11
Tert butyl alcohol
Concen: 6.041 ug/l
RT: 4.929 min Scan# 510
Delta R.T. -0.019 min
Lab File: VY018291.D
Acq: 16 May 2024 17:34

Tgt Ion: 59 Resp: 1551
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

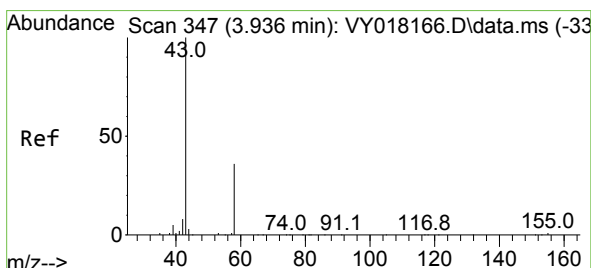
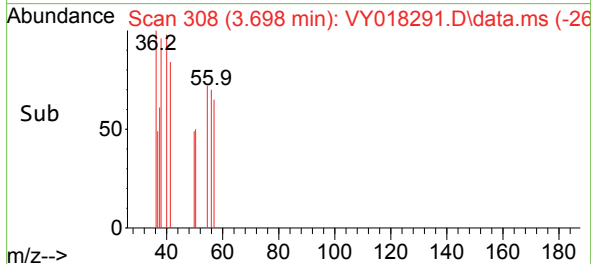
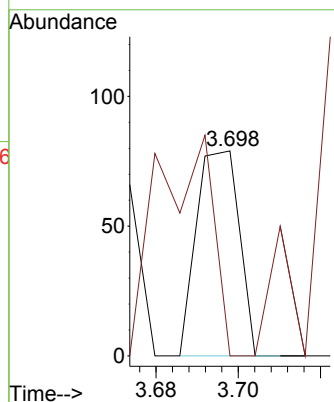
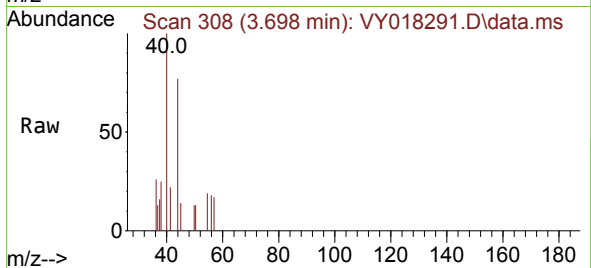




#13
Acrolein
Concen: Below Cal
RT: 3.698 min Scan# 308
Delta R.T. -0.018 min
Lab File: VY018291.D
Acq: 16 May 2024 17:34

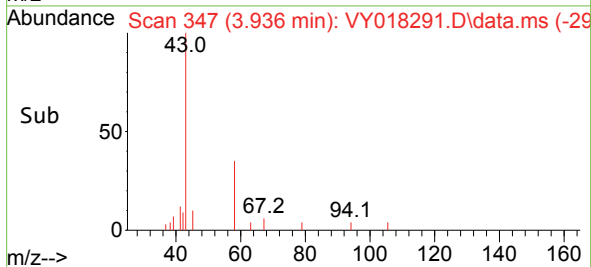
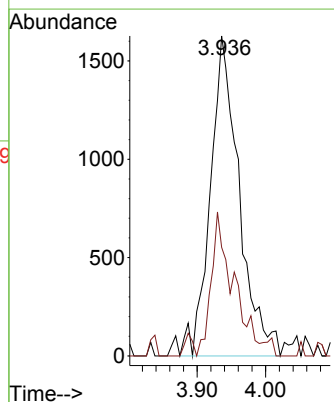
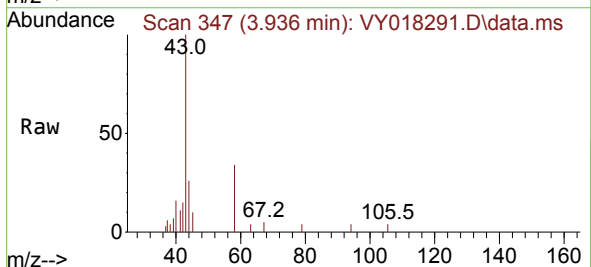
Instrument :
MSVOA_Y
ClientSampleId :
RT3997

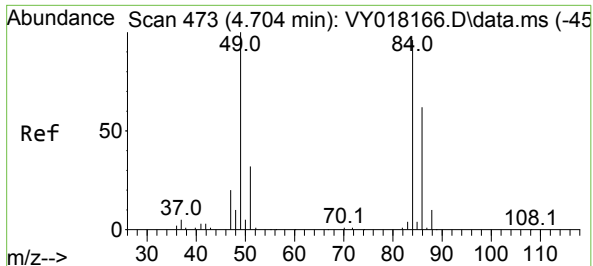
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 140.4 55.7 83.5#



#16
Acetone
Concen: 23.807 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY018291.D
Acq: 16 May 2024 17:34

Tgt Ion: 43 Resp: 4765
Ion Ratio Lower Upper
43 100
58 33.9 31.7 47.5

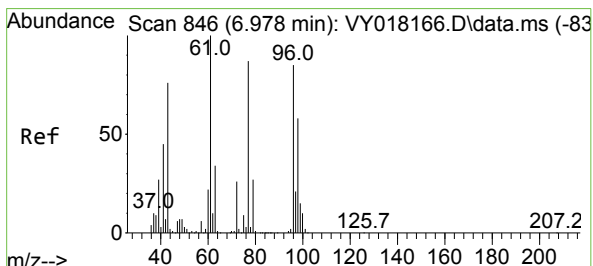
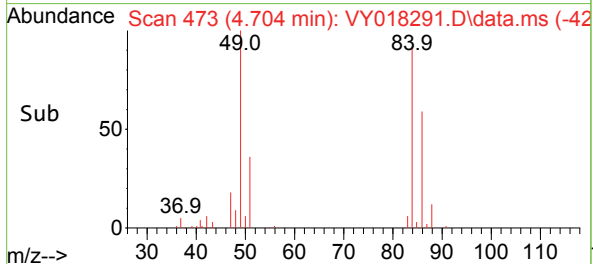
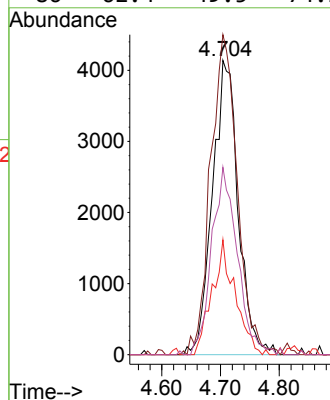
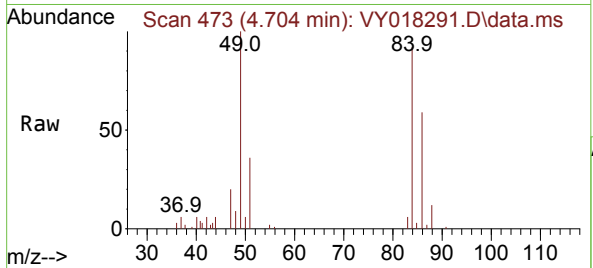




#20
Methylene Chloride
Concen: 8.923 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY018291.D
Acq: 16 May 2024 17:34

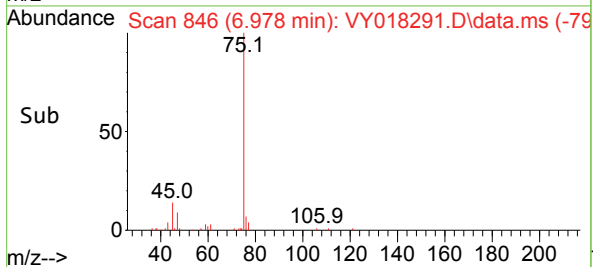
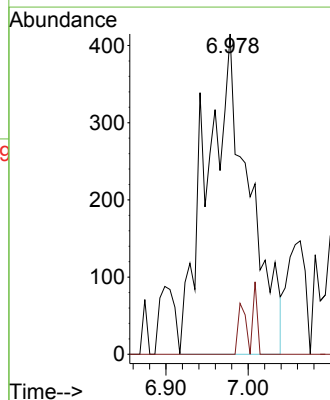
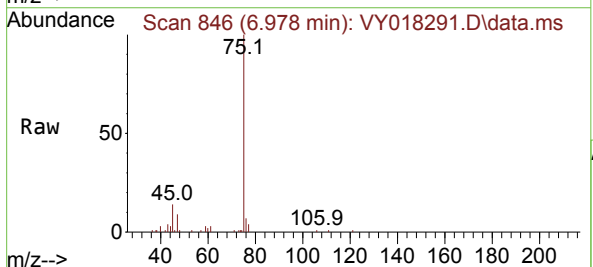
Instrument :
MSVOA_Y
ClientSampleId :
RT3997

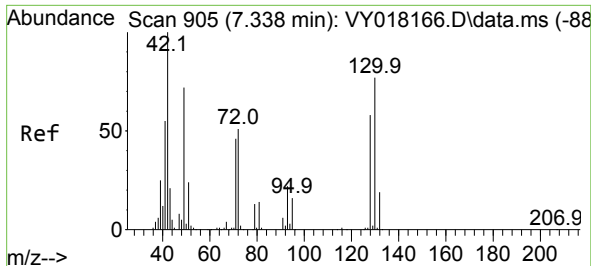
Tgt Ion:	84	Resp:	12623
Ion	Ratio	Lower	Upper
84	100		
49	108.8	84.4	126.6
51	39.0	26.0	39.0#
86	62.4	49.5	74.3



#25
2-Butanone
Concen: 4.645 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY018291.D
Acq: 16 May 2024 17:34

Tgt Ion:	43	Resp:	1486
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#29

Tetrahydrofuran

Concen: 1.970 ug/l

RT: 7.374 min Scan# 911

Delta R.T. 0.036 min

Lab File: VY018291.D

Acq: 16 May 2024 17:34

Instrument :

MSVOA_Y

ClientSampleId :

RT3997

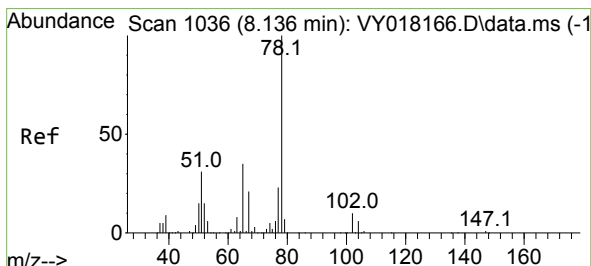
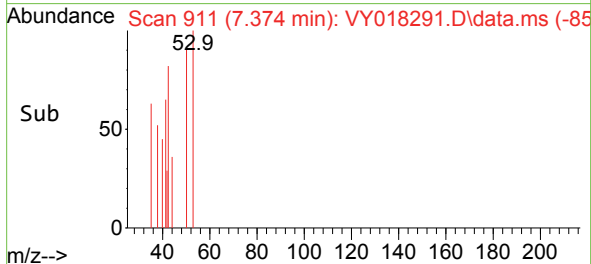
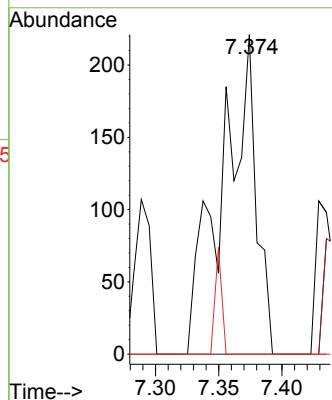
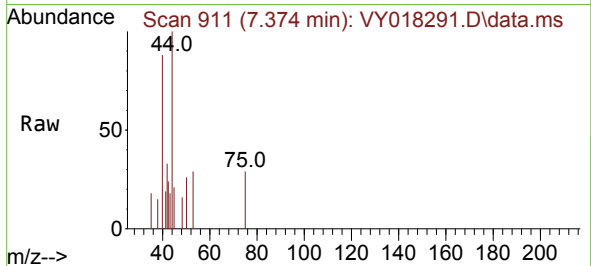
Tgt Ion: 42 Resp: 416

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: 77.480 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY018291.D

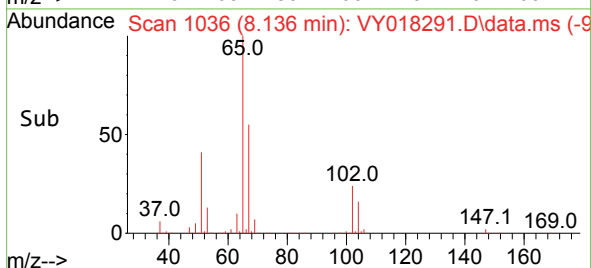
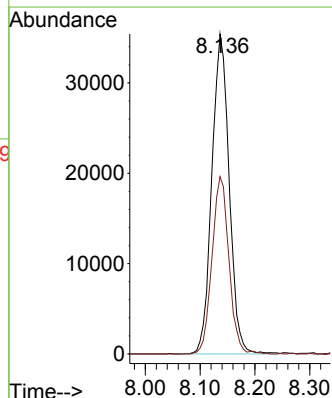
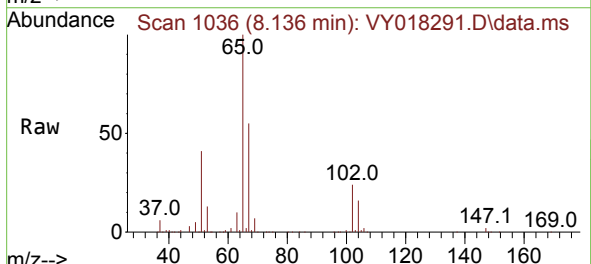
Acq: 16 May 2024 17:34

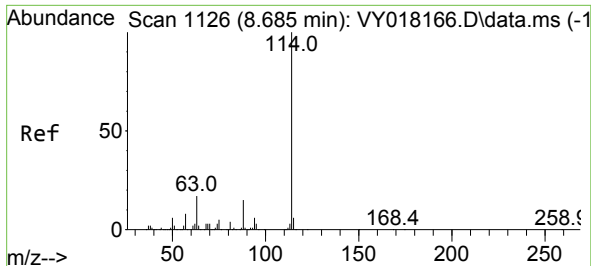
Tgt Ion: 65 Resp: 77711

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.6

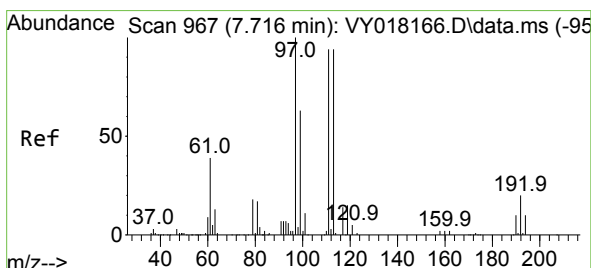
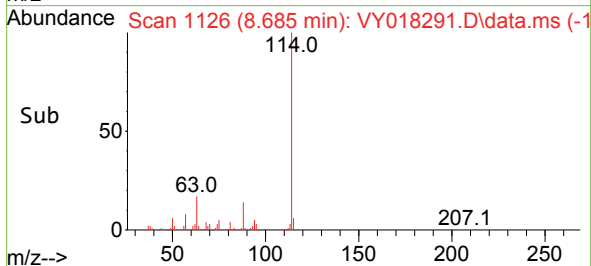
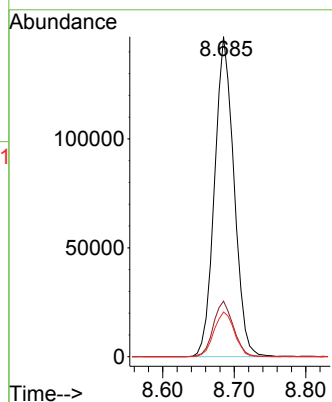
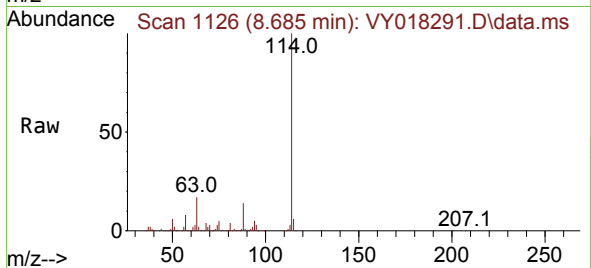




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY018291.D
Acq: 16 May 2024 17:34

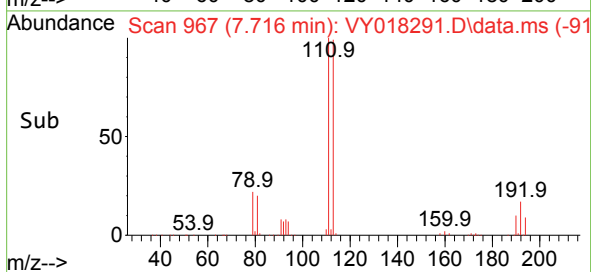
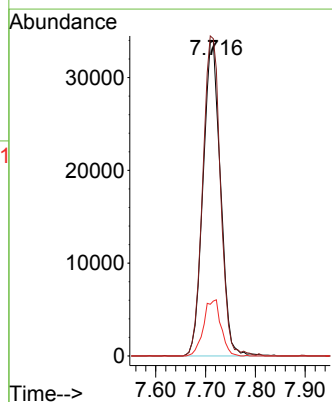
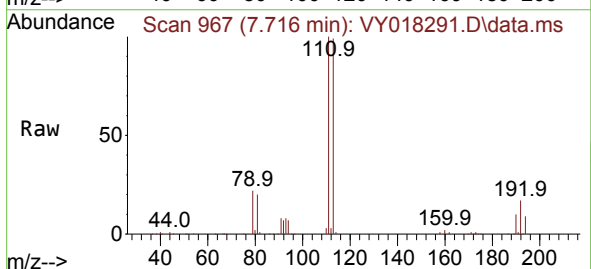
Instrument :
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RT3997

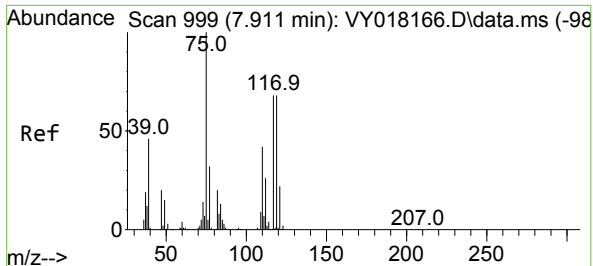
Tgt Ion:114 Resp: 277276
Ion Ratio Lower Upper
114 100
63 17.4 0.0 35.0
88 13.9 0.0 27.2



#35
Dibromofluoromethane
Concen: 56.626 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY018291.D
Acq: 16 May 2024 17:34

Tgt Ion:113 Resp: 82516
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.4
192 17.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.385 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY018291.D

Acq: 16 May 2024 17:34

Instrument :

MSVOA_Y

ClientSampleId :

RT3997

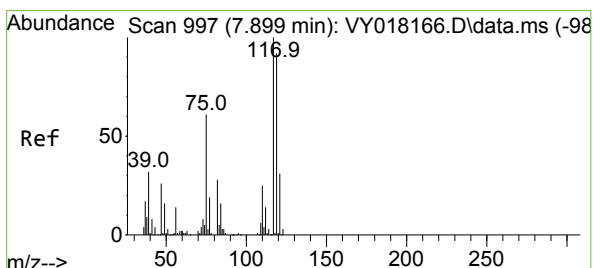
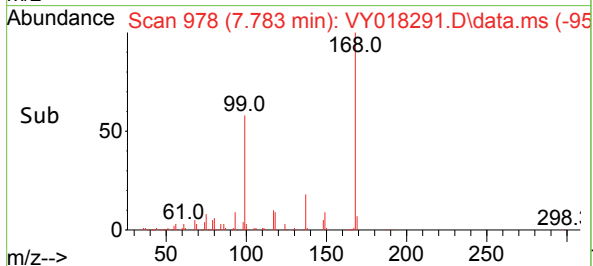
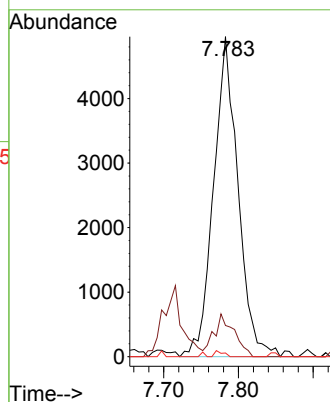
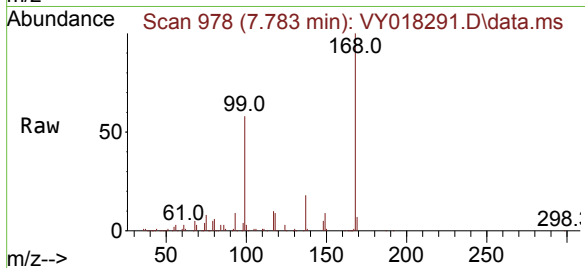
Tgt Ion: 75 Resp: 11249

Ion Ratio Lower Upper

75 100

110 11.0 19.0 57.0#

77 0.7 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.269 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY018291.D

Acq: 16 May 2024 17:34

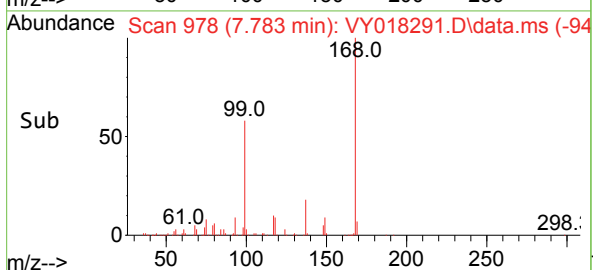
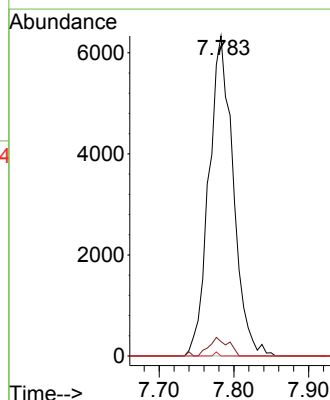
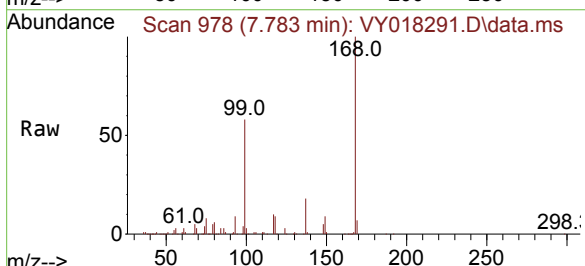
Tgt Ion: 117 Resp: 14310

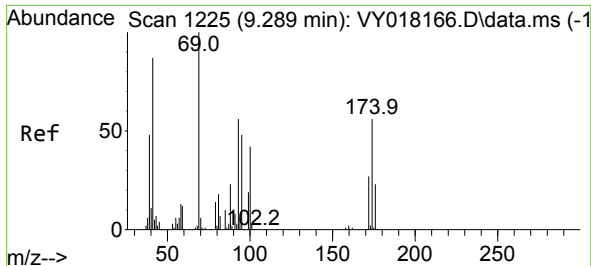
Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.6#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 1.784 ug/l

RT: 9.374 min Scan# 1225

Delta R.T. 0.085 min

Lab File: VY018291.D

Acq: 16 May 2024 17:34

Instrument :

MSVOA_Y

ClientSampleId :

RT3997

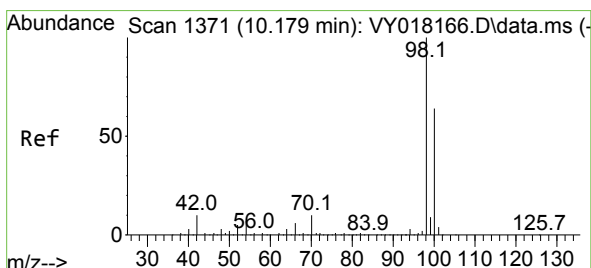
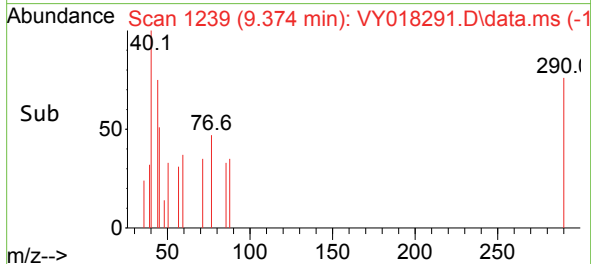
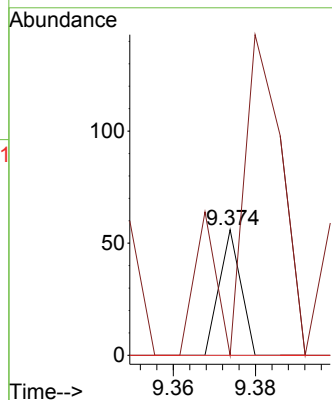
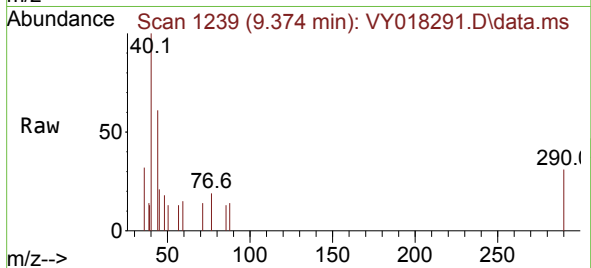
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 665.0 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 55.513 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018291.D

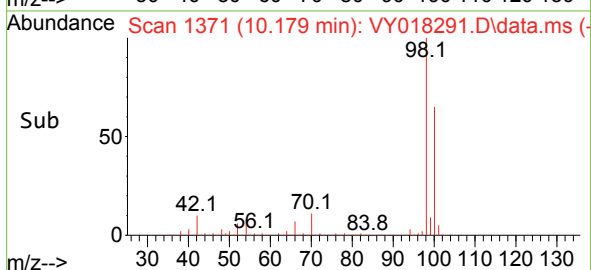
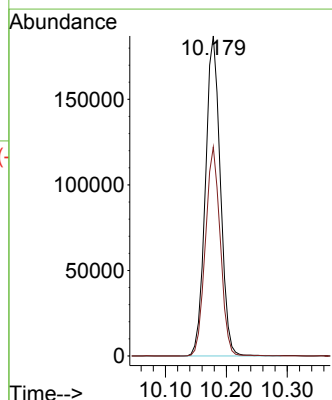
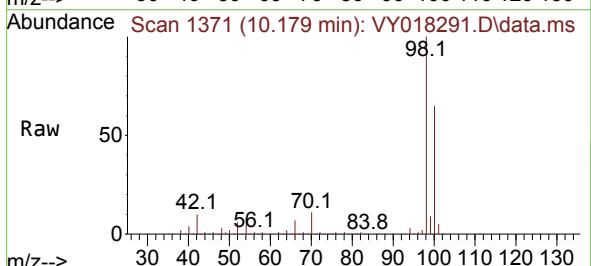
Acq: 16 May 2024 17:34

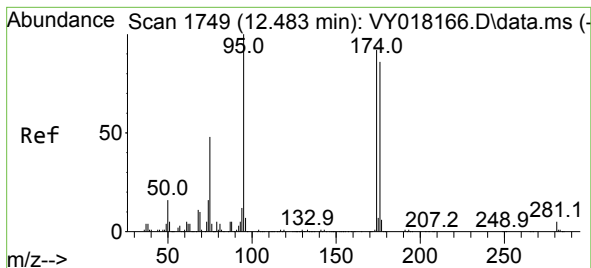
Tgt Ion: 98 Resp: 318777

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0

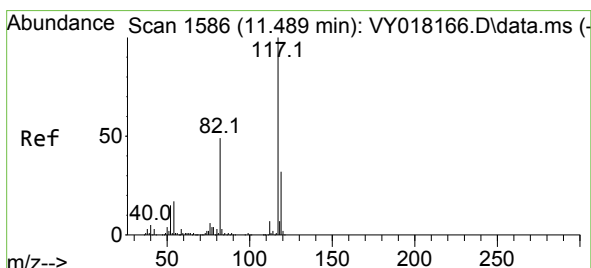
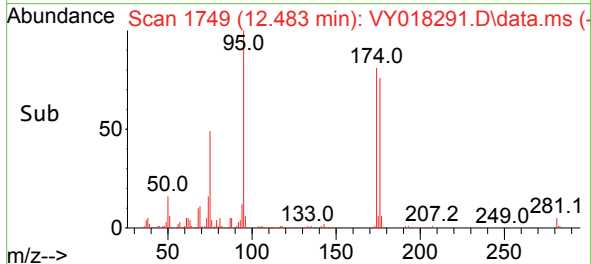
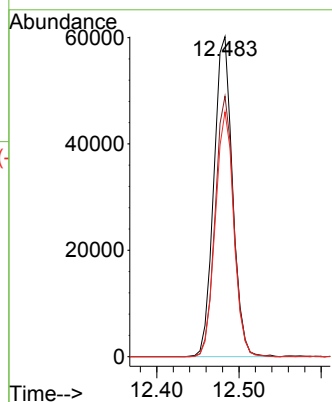
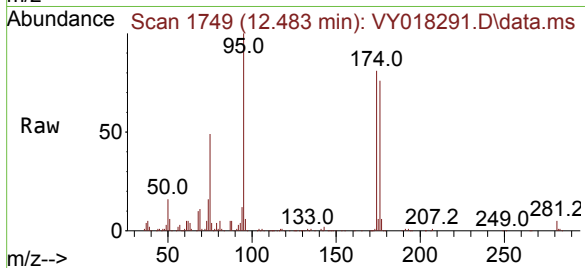




#62
4-Bromofluorobenzene
Concen: 51.349 ug/l
RT: 12.483 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY018291.D
Acq: 16 May 2024 17:34

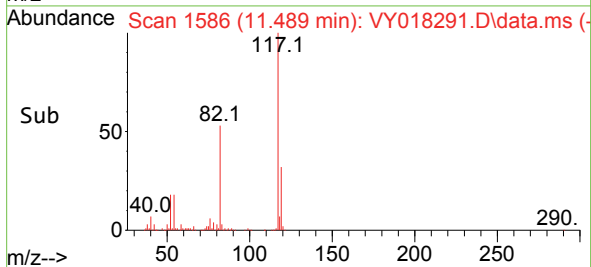
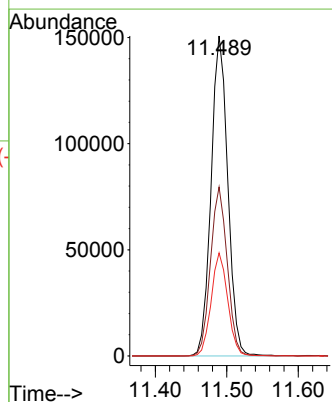
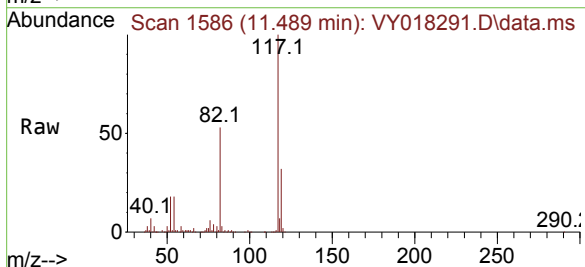
Instrument :
MSVOA_Y
ClientSampleId :
RT3997

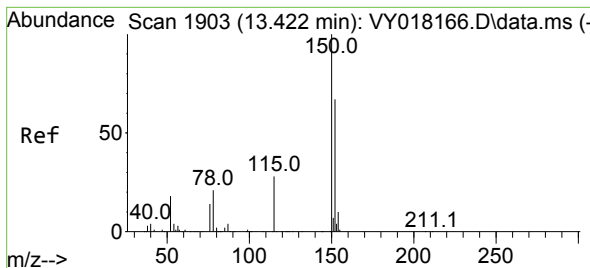
Tgt Ion: 95 Resp: 95224
Ion Ratio Lower Upper
95 100
174 80.9 0.0 175.6
176 75.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY018291.D
Acq: 16 May 2024 17:34

Tgt Ion: 117 Resp: 244443
Ion Ratio Lower Upper
117 100
82 52.8 42.4 63.6
119 32.2 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: VY018291.D

Acq: 16 May 2024 17:34

Instrument :

MSVOA_Y

ClientSampleId :

RT3997

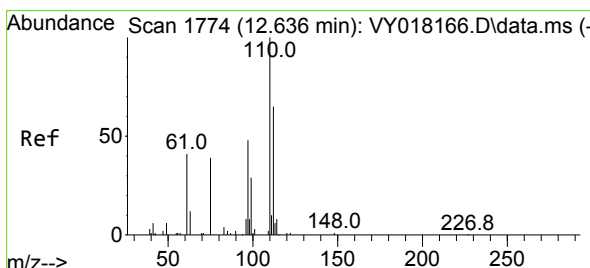
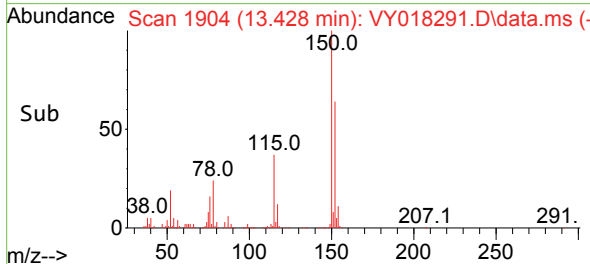
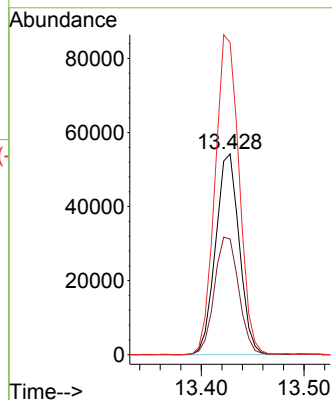
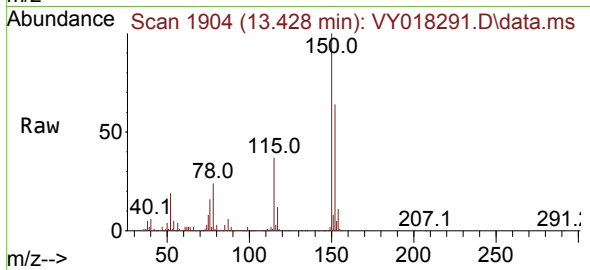
Tgt Ion:152 Resp: 86765

Ion Ratio Lower Upper

152 100

115 60.6 28.2 84.7

150 161.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 69.563 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY018291.D

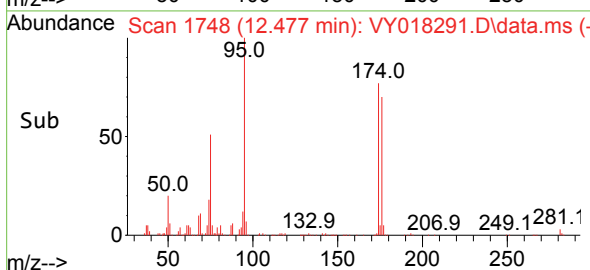
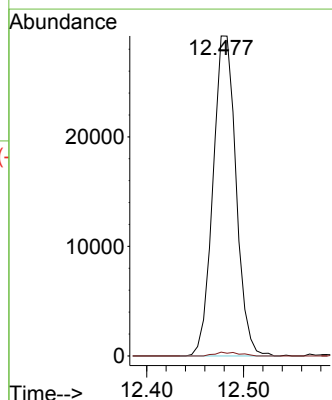
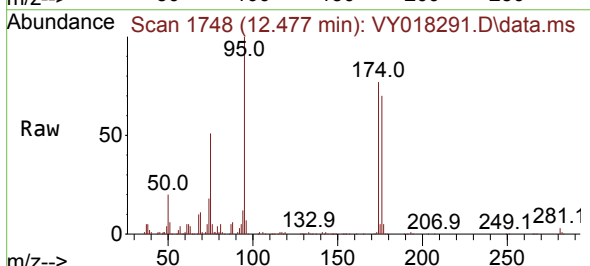
Acq: 16 May 2024 17:34

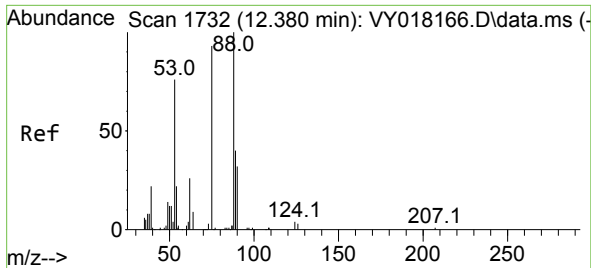
Tgt Ion: 75 Resp: 48311

Ion Ratio Lower Upper

75 100

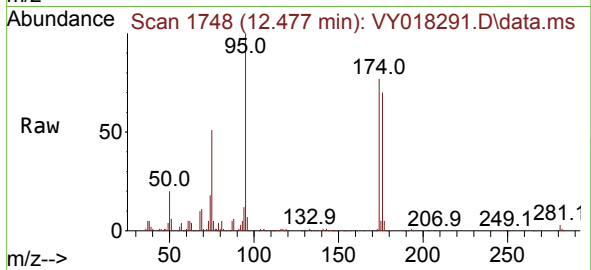
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 134.024 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY018291.D
Acq: 16 May 2024 17:34

Instrument :
MSVOA_Y
ClientSampleId :
RT3997



Tgt Ion:	75	Resp:	48311
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.3	35.8	53.6#

