

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052924\
 Data File : VY018400.D
 Acq On : 29 May 2024 15:28
 Operator : SY/MD
 Sample : P2612-07
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 30 04:06:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052224S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 23 01:40:36 2024
 Response via : Initial Calibration

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

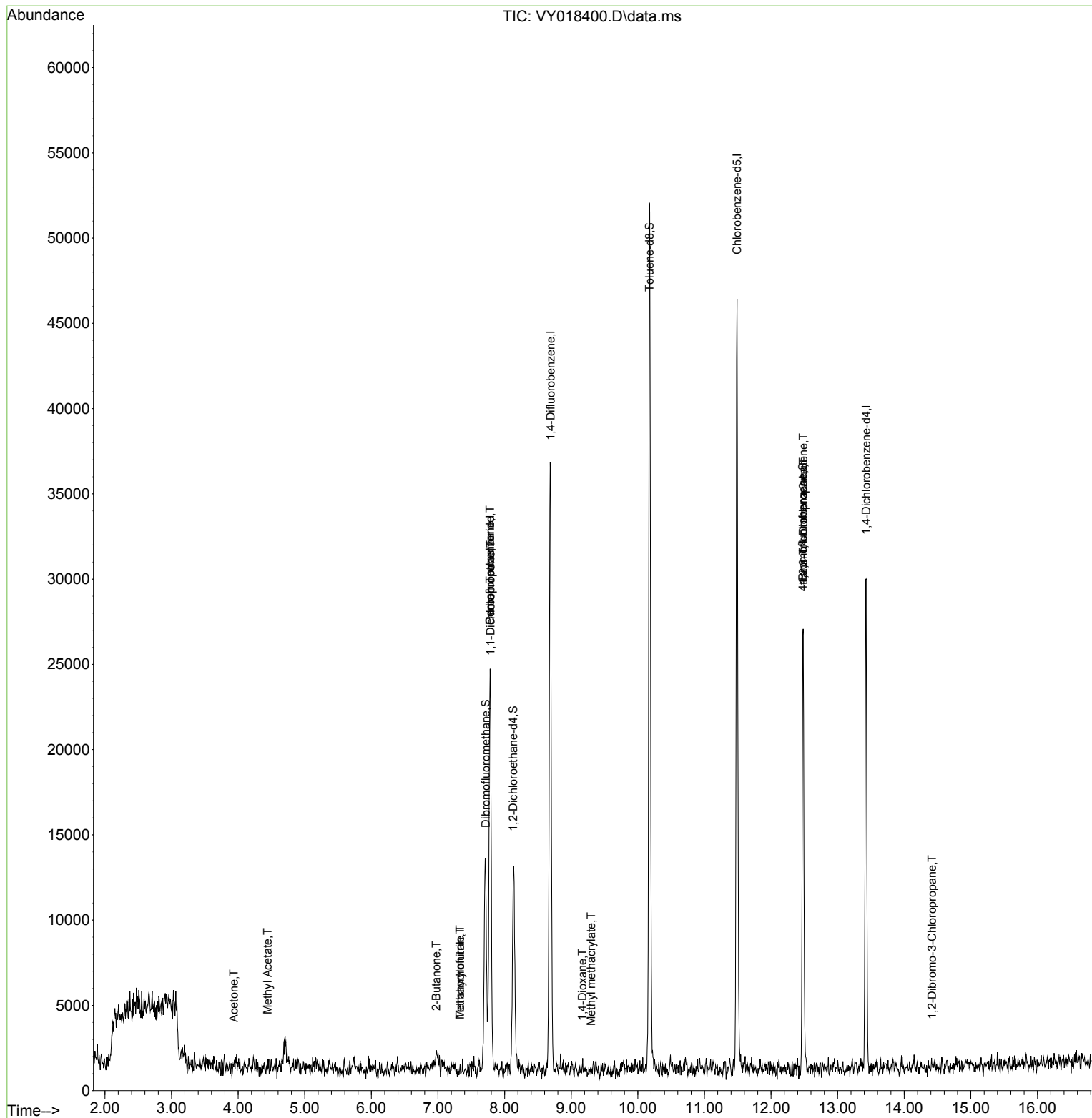
Internal Standards						
1) Pentafluorobenzene	7.783	168	16563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	30204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	23563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	8970	57.163	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.320%			
35) Dibromofluoromethane	7.716	113	8897	50.512	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.020%			
50) Toluene-d8	10.179	98	34581	50.357	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.720%			
62) 4-Bromofluorobenzene	12.477	95	8455	39.846	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.700%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.911	59	26	Below Cal	#	88
13) Acrolein	3.716	56	95	Below Cal	#	43
16) Acetone	3.936	43	279	8.645	ug/l #	36
18) Methyl Acetate	4.442	43	150	1.753	ug/l #	80
20) Methylene Chloride	4.704	84	673	Below Cal	#	79
25) 2-Butanone	6.972	43	192	3.754	ug/l #	41
29) Tetrahydrofuran	7.332	42	53	1.574	ug/l #	56
31) Cyclohexane	7.783	56	597	Below Cal	#	27
36) 1,1-Dichloropropene	7.789	75	1524	5.966	ug/l #	44
38) Carbon Tetrachloride	7.783	117	1974	7.545	ug/l #	19
41) Methacrylonitrile	7.332	41	95	1.558	ug/l #	28
48) Methyl methacrylate	9.301	41	167	1.549	ug/l #	25
49) 1,4-Dioxane	9.167	88	42	31.500	ug/l #	20
76) 1,2,3-Trichloropropane	12.483	75	4543	69.816	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4543	143.645	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.416	75	46	3.459	ug/l #	1

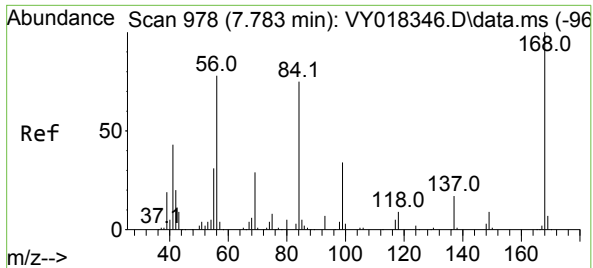
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 30 04:06:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052224S.M
Quant Title : SW846 8260
QLast Update : Thu May 23 01:40:36 2024
Response via : Initial Calibration

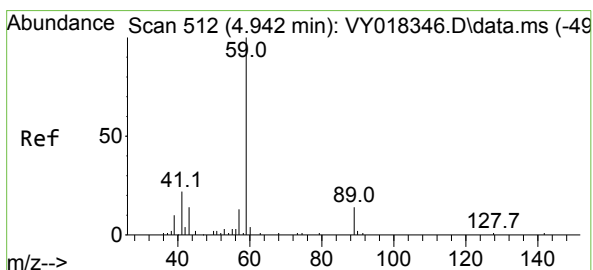
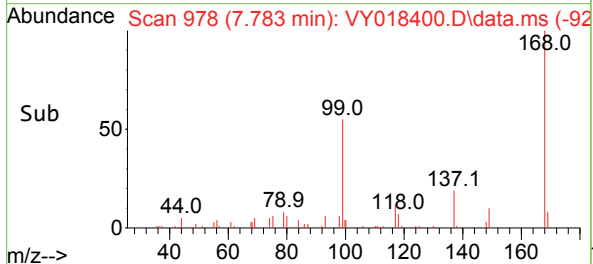
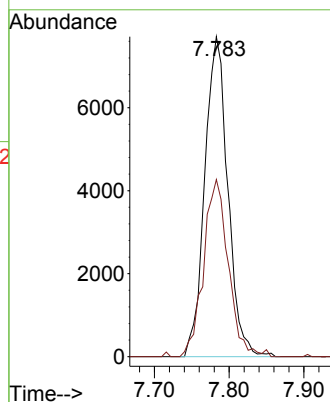
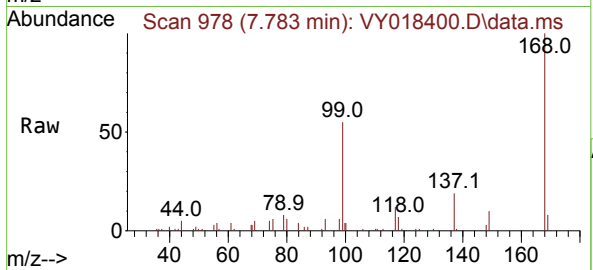




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018400.D
Acq: 29 May 2024 15:28

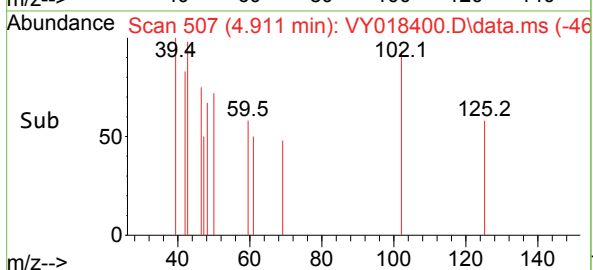
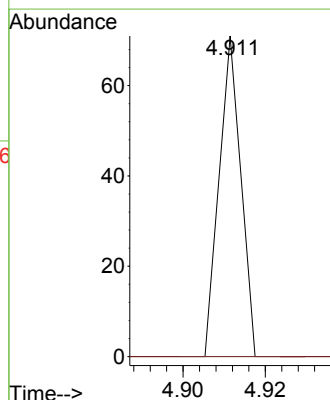
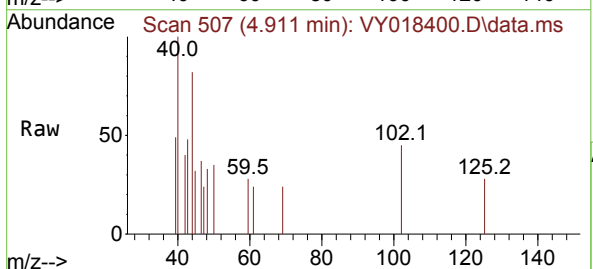
Instrument :
MSVOA_Y
ClientSampleId :

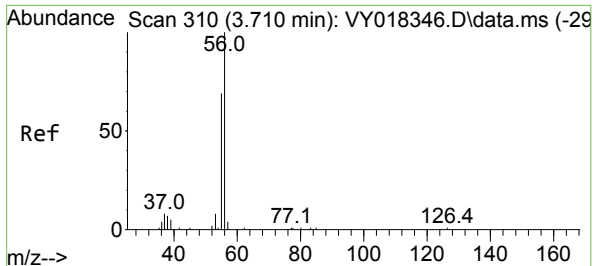
Tgt Ion:168 Resp: 16563
Ion Ratio Lower Upper
168 100
99 55.4 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.031 min
Lab File: VY018400.D
Acq: 29 May 2024 15:28

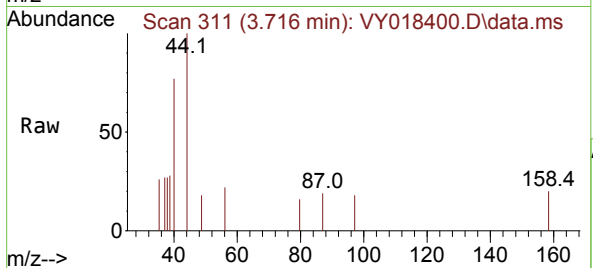
Tgt Ion: 59 Resp: 26
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



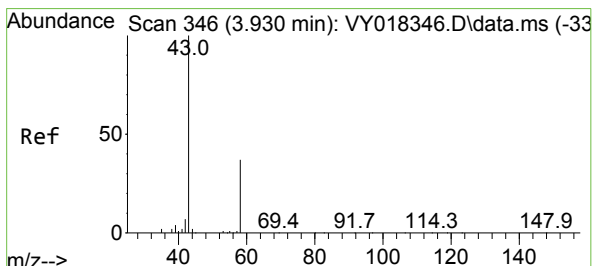
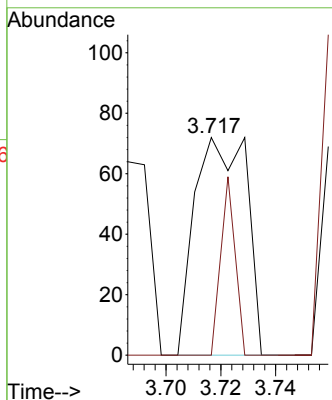
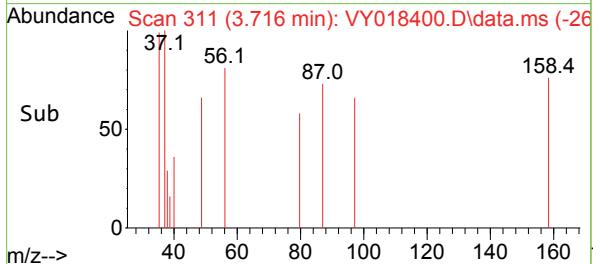


#13
Acrolein
Concen: Below Cal
RT: 3.716 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY018400.D
Acq: 29 May 2024 15:28

Instrument :
MSVOA_Y
ClientSampleId :

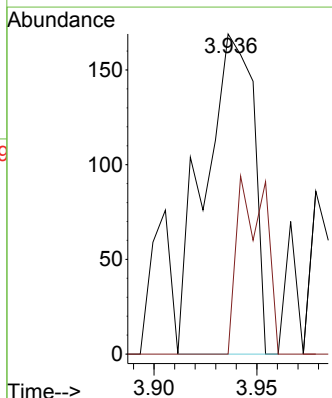
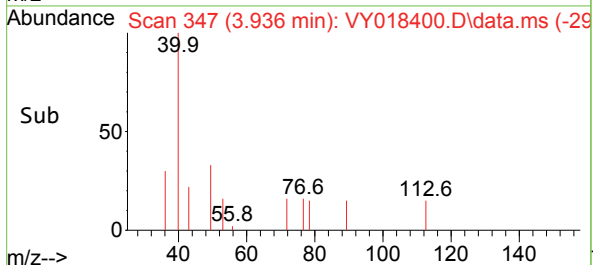
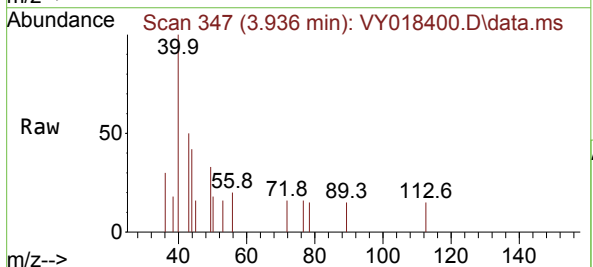


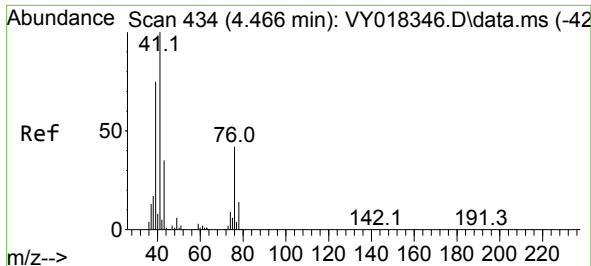
Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 23.2 55.7 83.5#



#16
Acetone
Concen: 8.645 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY018400.D
Acq: 29 May 2024 15:28

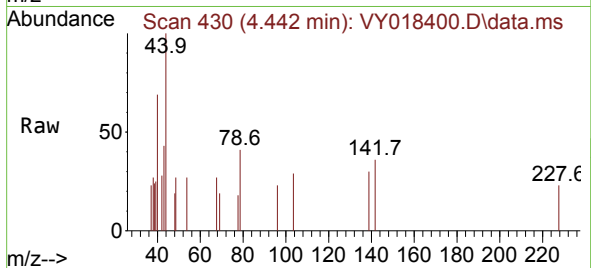
Tgt Ion: 43 Resp: 279
Ion Ratio Lower Upper
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58 0.0 31.7 47.5#



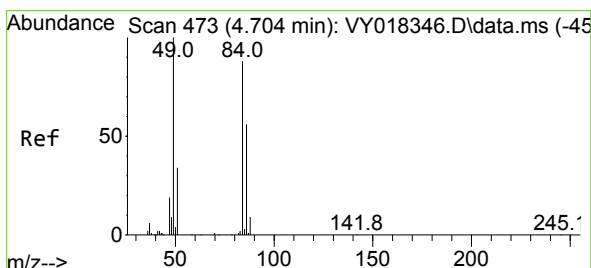
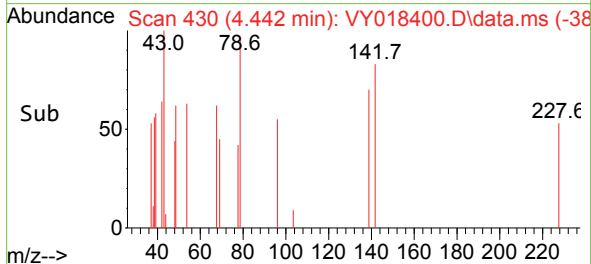
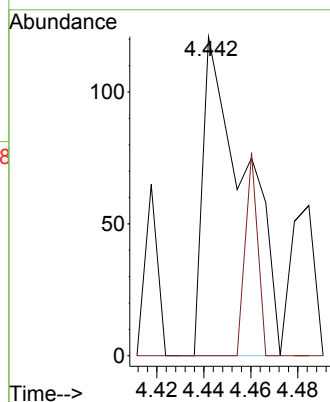


#18
Methyl Acetate
Concen: 1.753 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.024 min
Lab File: VY018400.D
Acq: 29 May 2024 15:28

Instrument :
MSVOA_Y
ClientSampleId :

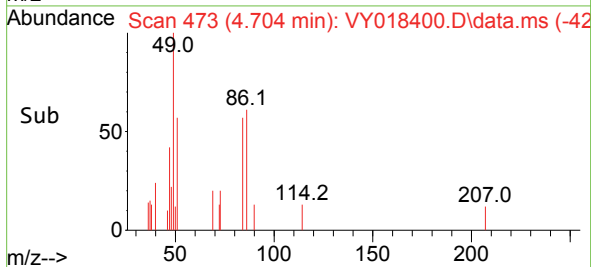
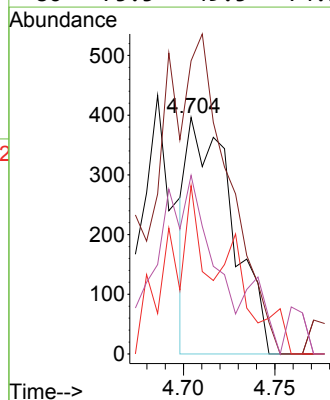
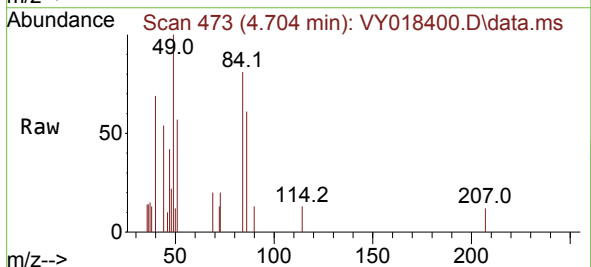


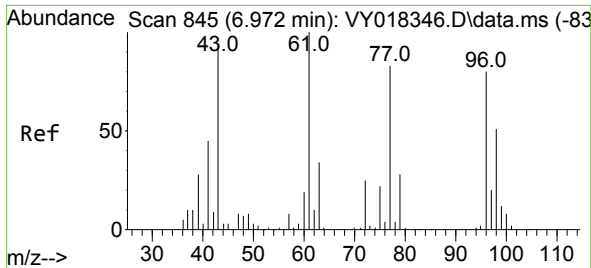
Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
74 18.7 23.3 34.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY018400.D
Acq: 29 May 2024 15:28

Tgt Ion: 84 Resp: 673
Ion Ratio Lower Upper
84 100
49 124.0 84.4 126.6
51 52.0 26.0 39.0#
86 75.5 49.5 74.3#

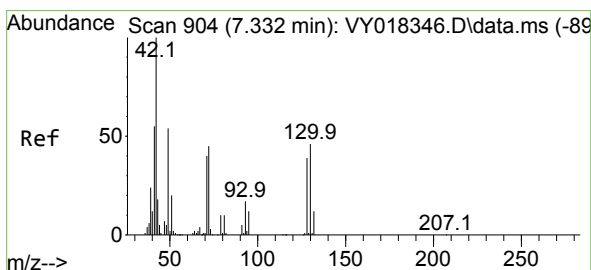
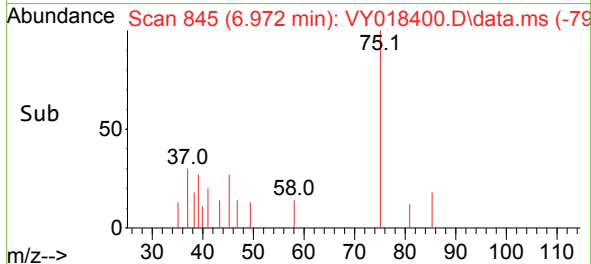
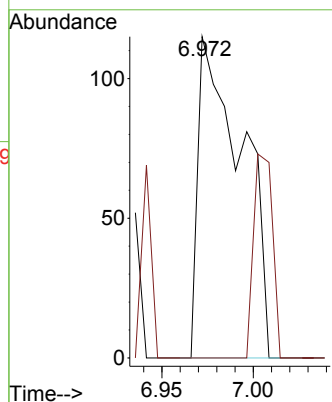
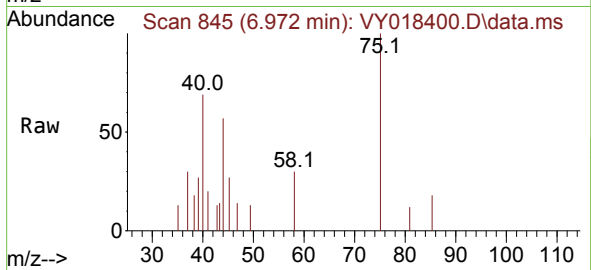




#25
2-Butanone
Concen: 3.754 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY018400.D
Acq: 29 May 2024 15:28

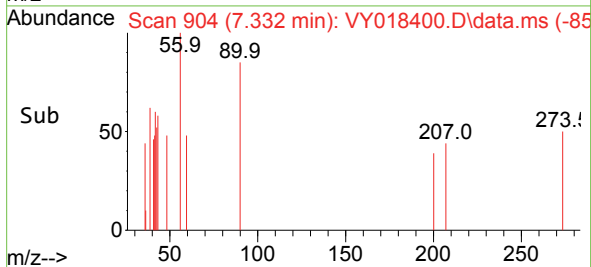
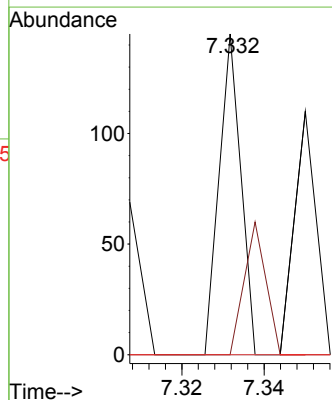
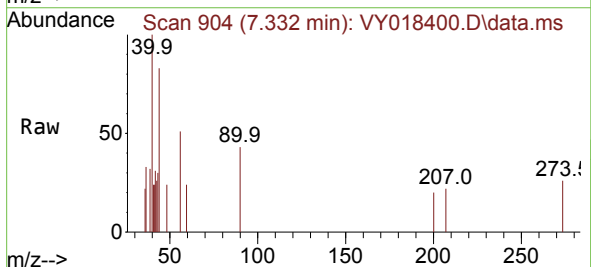
Instrument :
MSVOA_Y
ClientSampleId :

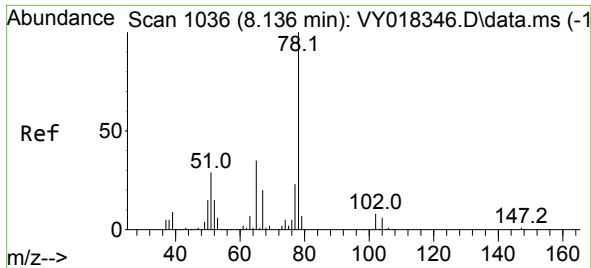
Tgt Ion: 43 Resp: 192
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#29
Tetrahydrofuran
Concen: 1.574 ug/l
RT: 7.332 min Scan# 904
Delta R.T. 0.000 min
Lab File: VY018400.D
Acq: 29 May 2024 15:28

Tgt Ion: 42 Resp: 53
Ion Ratio Lower Upper
42 100
72 41.5 43.0 64.4#
71 0.0 40.8 61.2#

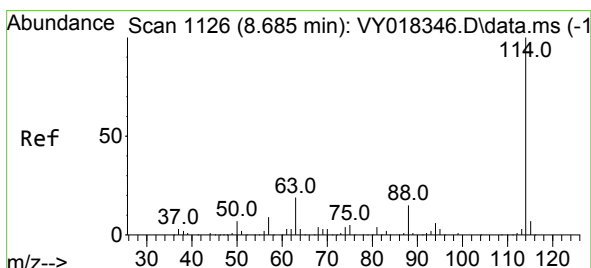
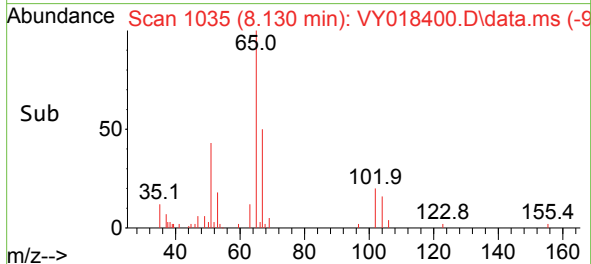
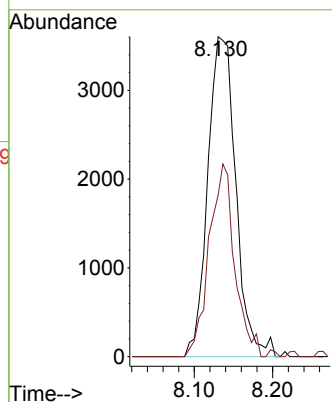
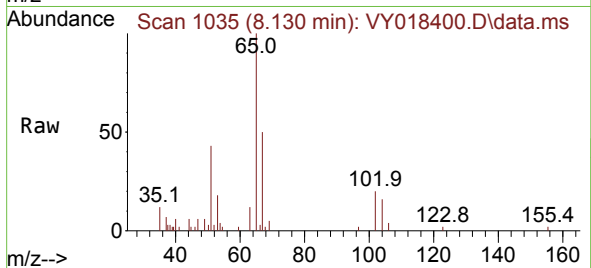




#33
 1,2-Dichloroethane-d4
 Concen: 57.163 ug/l
 RT: 8.130 min Scan# 1035
 Delta R.T. -0.006 min
 Lab File: VY018400.D
 Acq: 29 May 2024 15:28

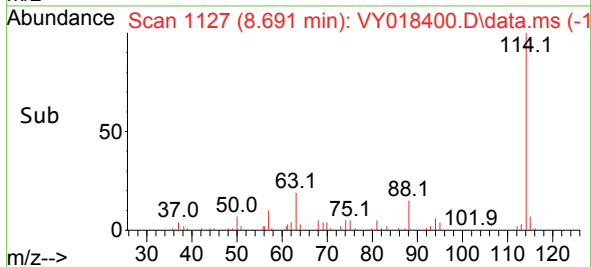
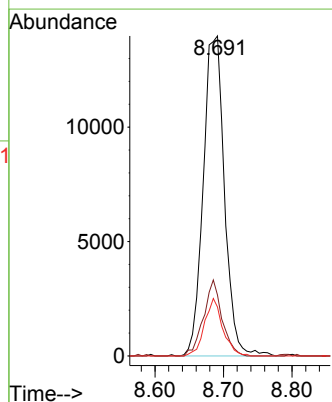
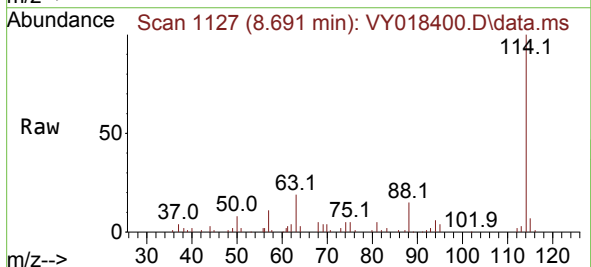
Instrument :
 MSVOA_Y
 ClientSampleId :

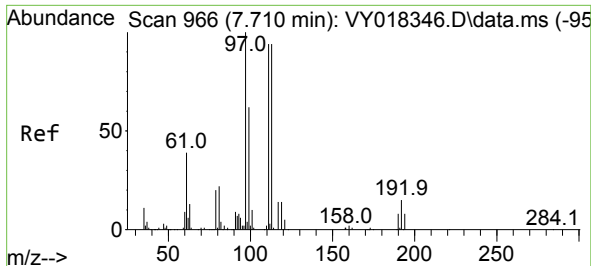
Tgt Ion: 65 Resp: 8970
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY018400.D
 Acq: 29 May 2024 15:28

Tgt Ion:114 Resp: 30204
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 35.0
 88 15.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 50.512 ug/l

RT: 7.716 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY018400.D

Acq: 29 May 2024 15:28

Instrument :

MSVOA_Y

ClientSampleId :

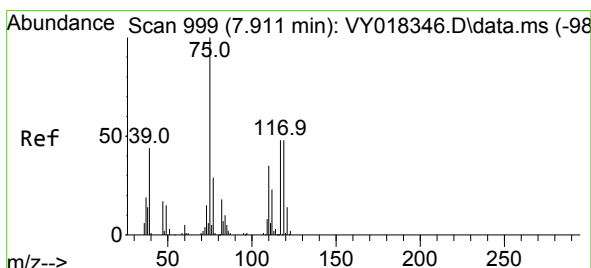
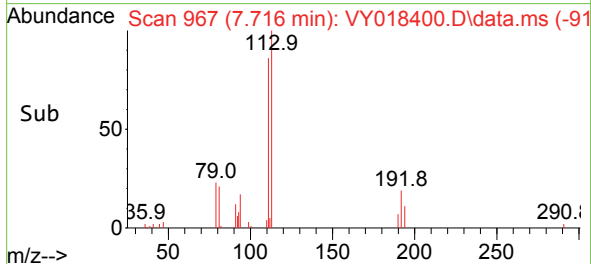
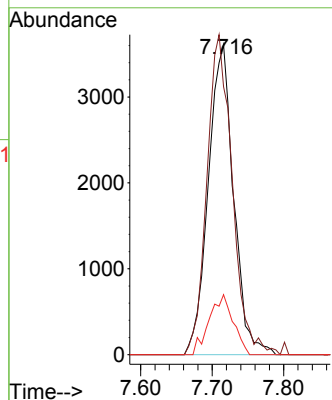
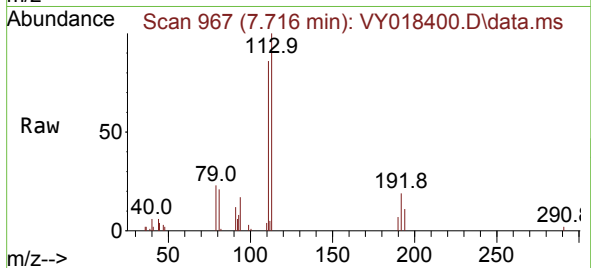
Tgt Ion:113 Resp: 8897

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

192 18.3 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.966 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.122 min

Lab File: VY018400.D

Acq: 29 May 2024 15:28

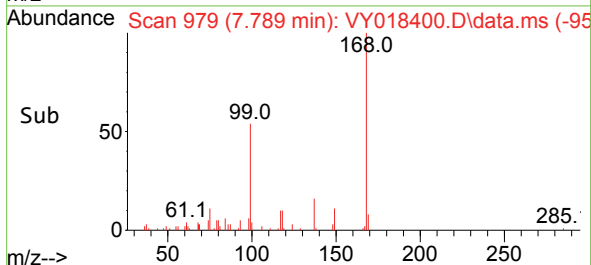
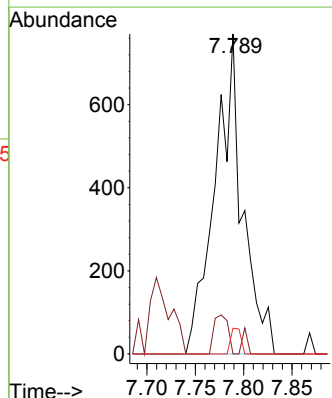
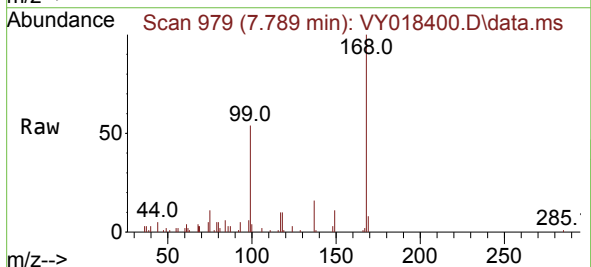
Tgt Ion: 75 Resp: 1524

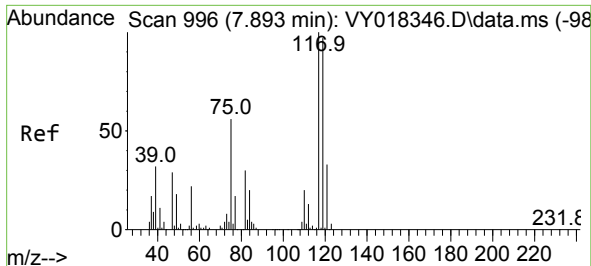
Ion Ratio Lower Upper

75 100

110 1.5 19.0 57.0#

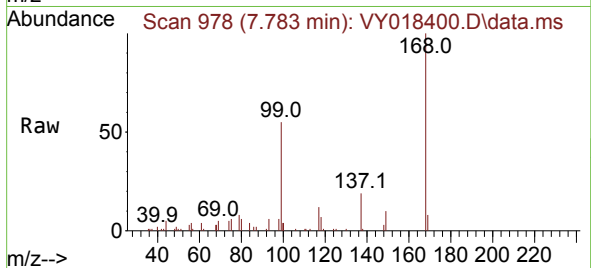
77 3.0 25.3 37.9#



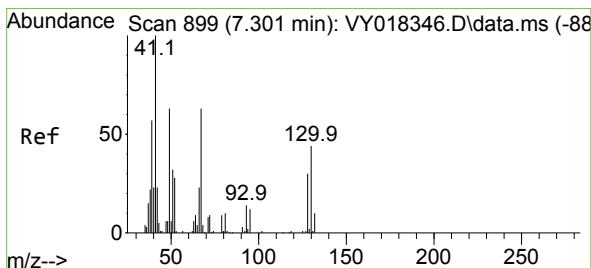
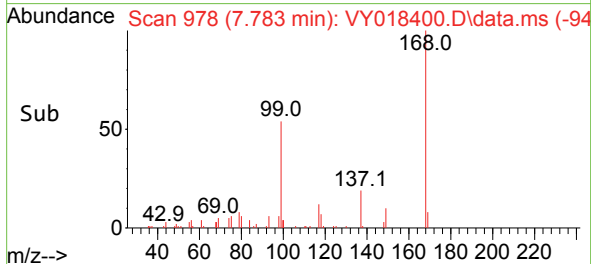
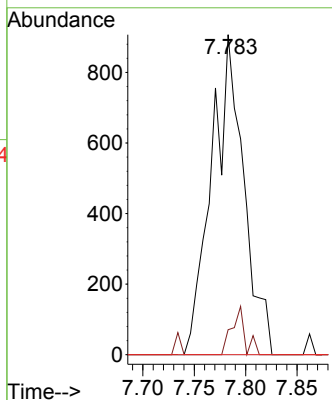


#38
Carbon Tetrachloride
Concen: 7.545 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018400.D
Acq: 29 May 2024 15:28

Instrument :
MSVOA_Y
ClientSampleId :

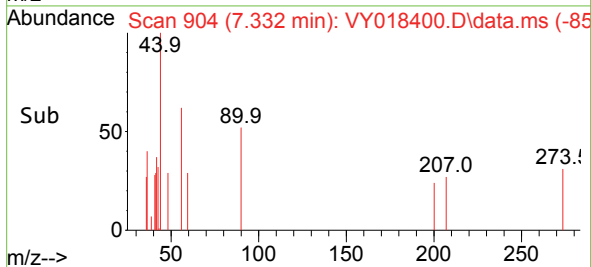
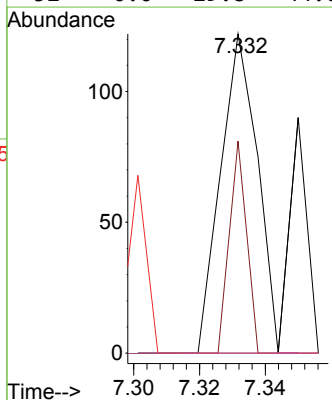
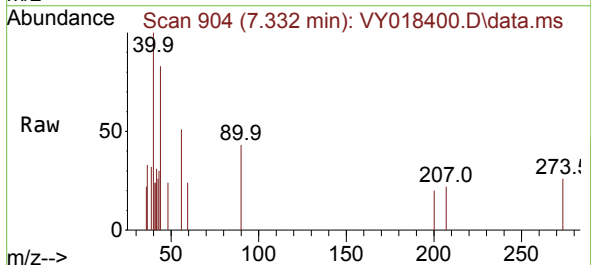


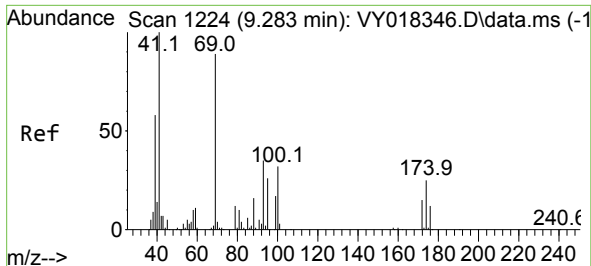
Tgt Ion: 117 Resp: 1974
Ion Ratio Lower Upper
117 100
119 7.8 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 1.558 ug/l
RT: 7.332 min Scan# 904
Delta R.T. 0.031 min
Lab File: VY018400.D
Acq: 29 May 2024 15:28

Tgt Ion: 41 Resp: 95
Ion Ratio Lower Upper
41 100
39 31.6 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#





#48

Methyl methacrylate

Concen: 1.549 ug/l

RT: 9.301 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY018400.D

Acq: 29 May 2024 15:28

Instrument :

MSVOA_Y

ClientSampleId :

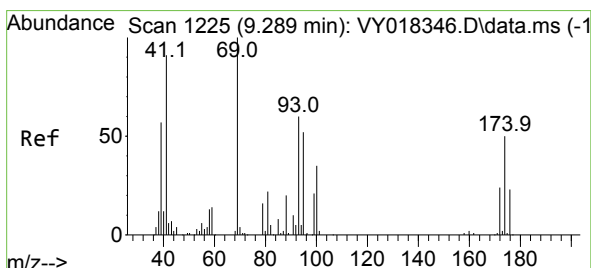
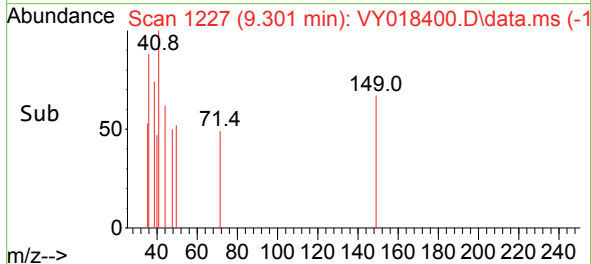
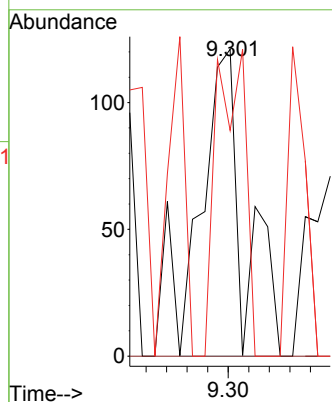
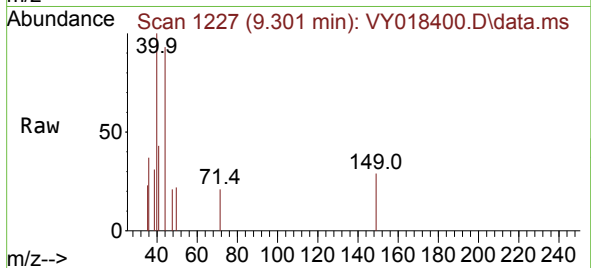
Tgt Ion: 41 Resp: 167

Ion Ratio Lower Upper

41 100

69 0.0 84.1 126.1#

39 71.9 43.6 65.4#



#49

1,4-Dioxane

Concen: 31.500 ug/l

RT: 9.167 min Scan# 1205

Delta R.T. -0.122 min

Lab File: VY018400.D

Acq: 29 May 2024 15:28

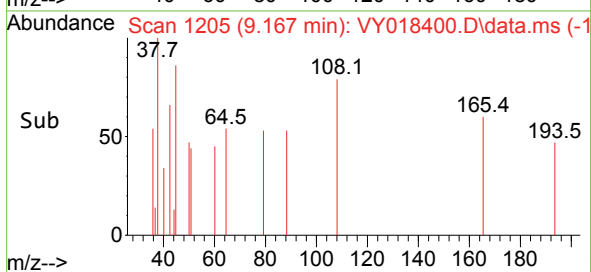
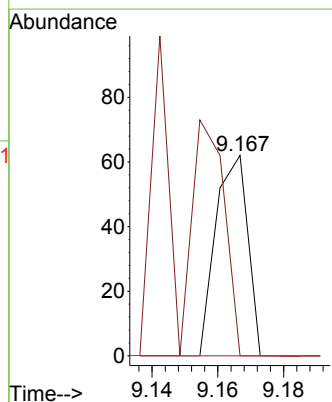
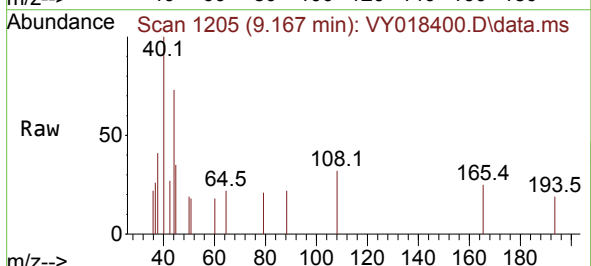
Tgt Ion: 88 Resp: 42

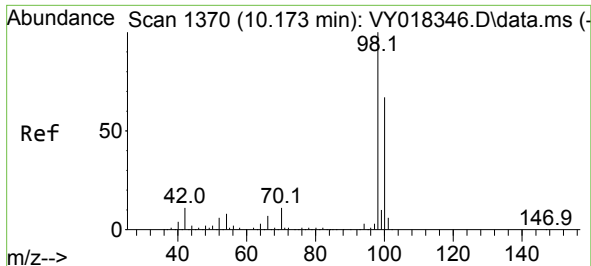
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 49.3 73.9#

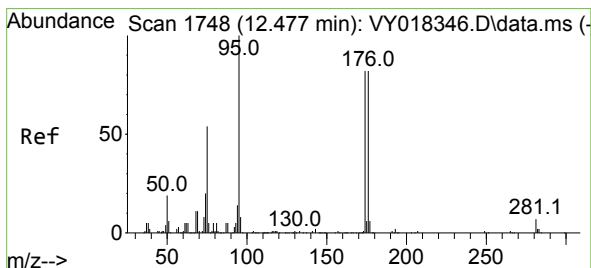
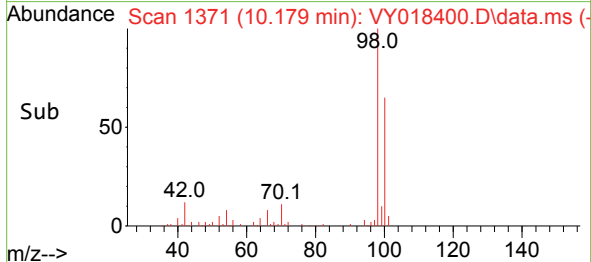
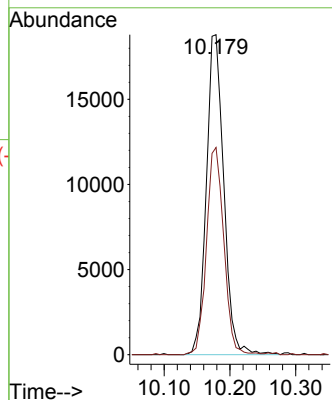
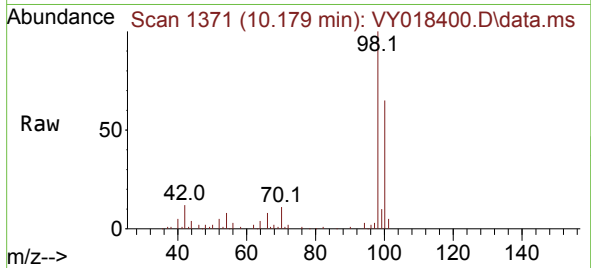




#50
Toluene-d8
Concen: 50.357 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018400.D
Acq: 29 May 2024 15:28

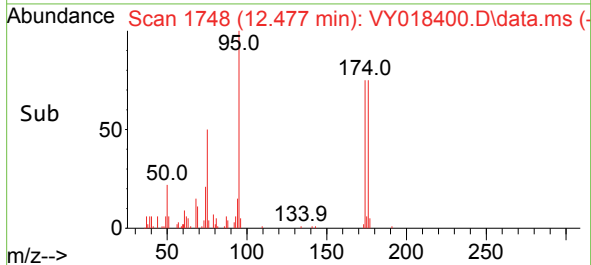
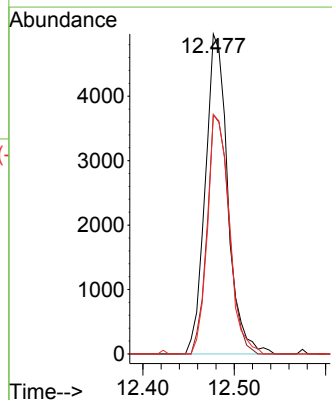
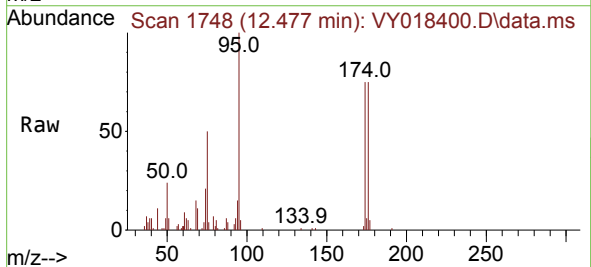
Instrument :
MSVOA_Y
ClientSampleId :

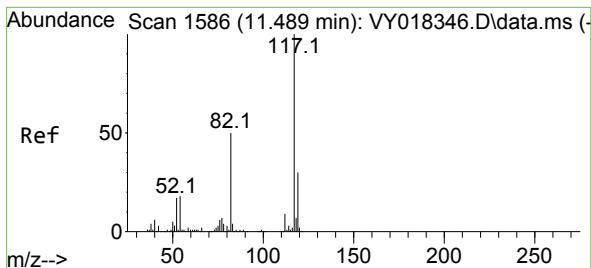
Tgt Ion: 98 Resp: 34581
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 39.846 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018400.D
Acq: 29 May 2024 15:28

Tgt Ion: 95 Resp: 8455
Ion Ratio Lower Upper
95 100
174 73.1 0.0 175.6
176 72.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018400.D

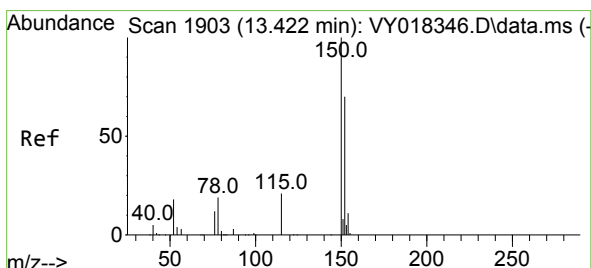
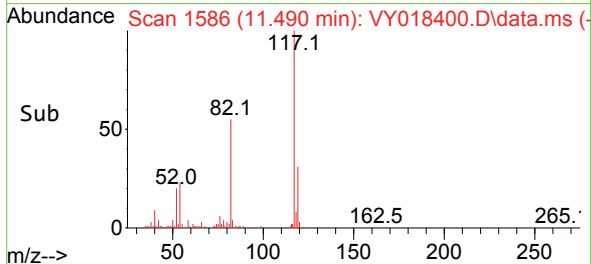
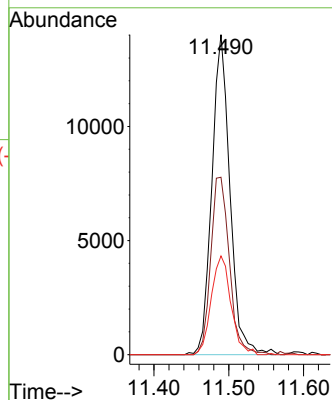
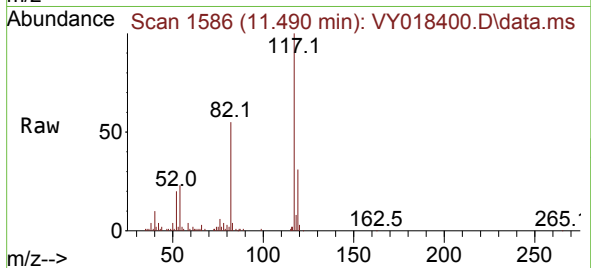
Acq: 29 May 2024 15:28

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	117	Resp:	23563
Ion Ratio	Lower	Upper	
117	100		
82	55.4	42.4	63.6
119	30.9	25.9	38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

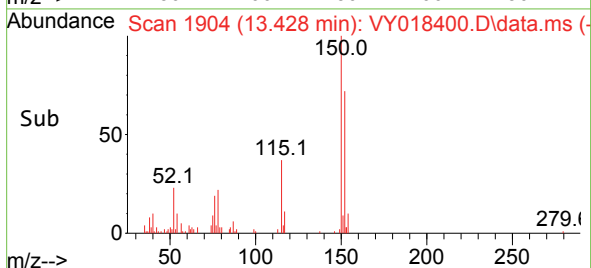
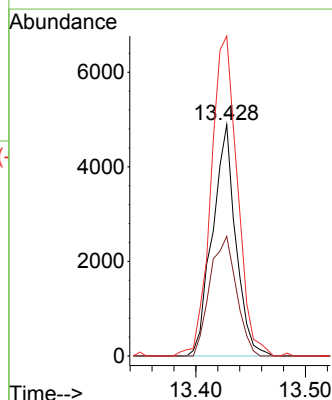
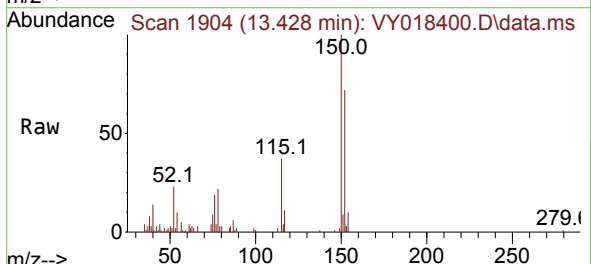
RT: 13.428 min Scan# 1904

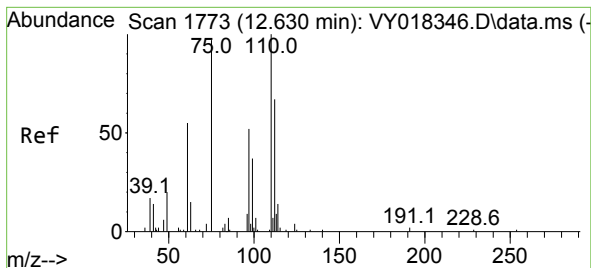
Delta R.T. 0.006 min

Lab File: VY018400.D

Acq: 29 May 2024 15:28

Tgt Ion:	152	Resp:	7240
Ion Ratio	Lower	Upper	
152	100		
115	58.6	28.2	84.7
150	156.0	0.0	345.6





#76

1,2,3-Trichloropropane

Concen: 69.816 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY018400.D

Acq: 29 May 2024 15:28

Instrument :

MSVOA_Y

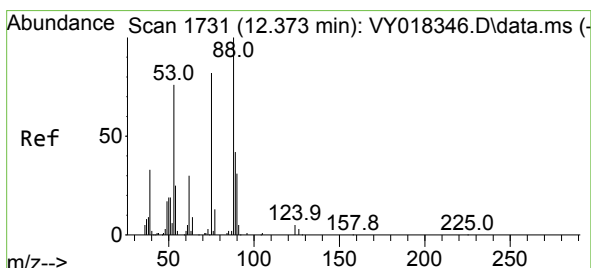
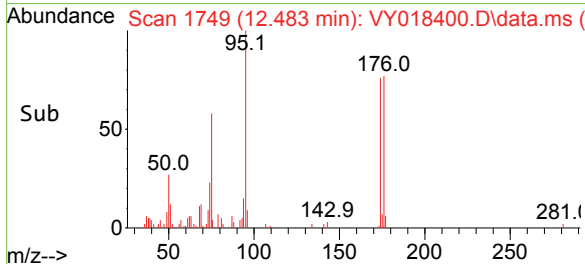
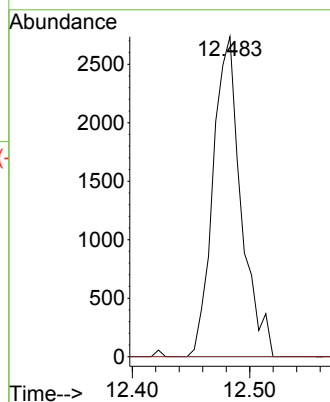
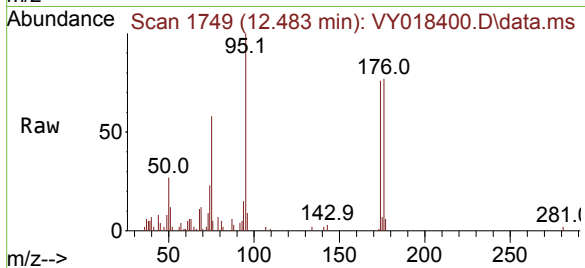
ClientSampleId :

Tgt Ion: 75 Resp: 4543

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 143.645 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY018400.D

Acq: 29 May 2024 15:28

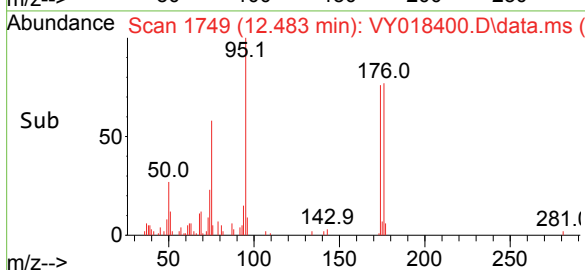
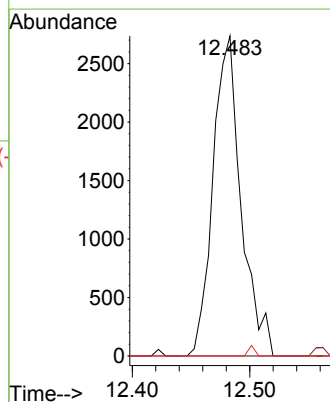
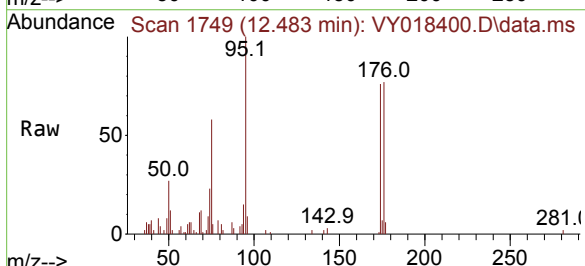
Tgt Ion: 75 Resp: 4543

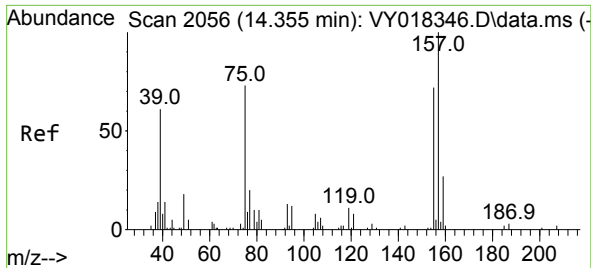
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

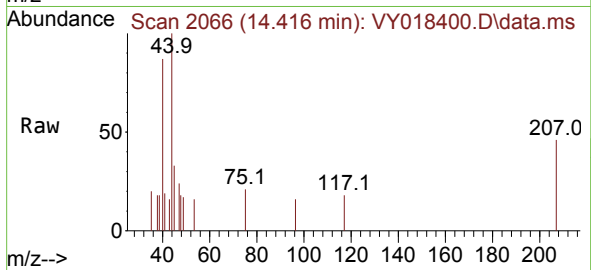
89 0.7 35.8 53.6#





#92
1,2-Dibromo-3-Chloropropane
Concen: 3.459 ug/l
RT: 14.416 min Scan# 2056
Delta R.T. 0.061 min
Lab File: VY018400.D
Acq: 29 May 2024 15:28

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 46
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#

