

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051624\
 Data File : VY018283.D
 Acq On : 16 May 2024 12:31
 Operator : SY/MD
 Sample : VY0516SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBL01

Quant Time: May 17 01:14:24 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)

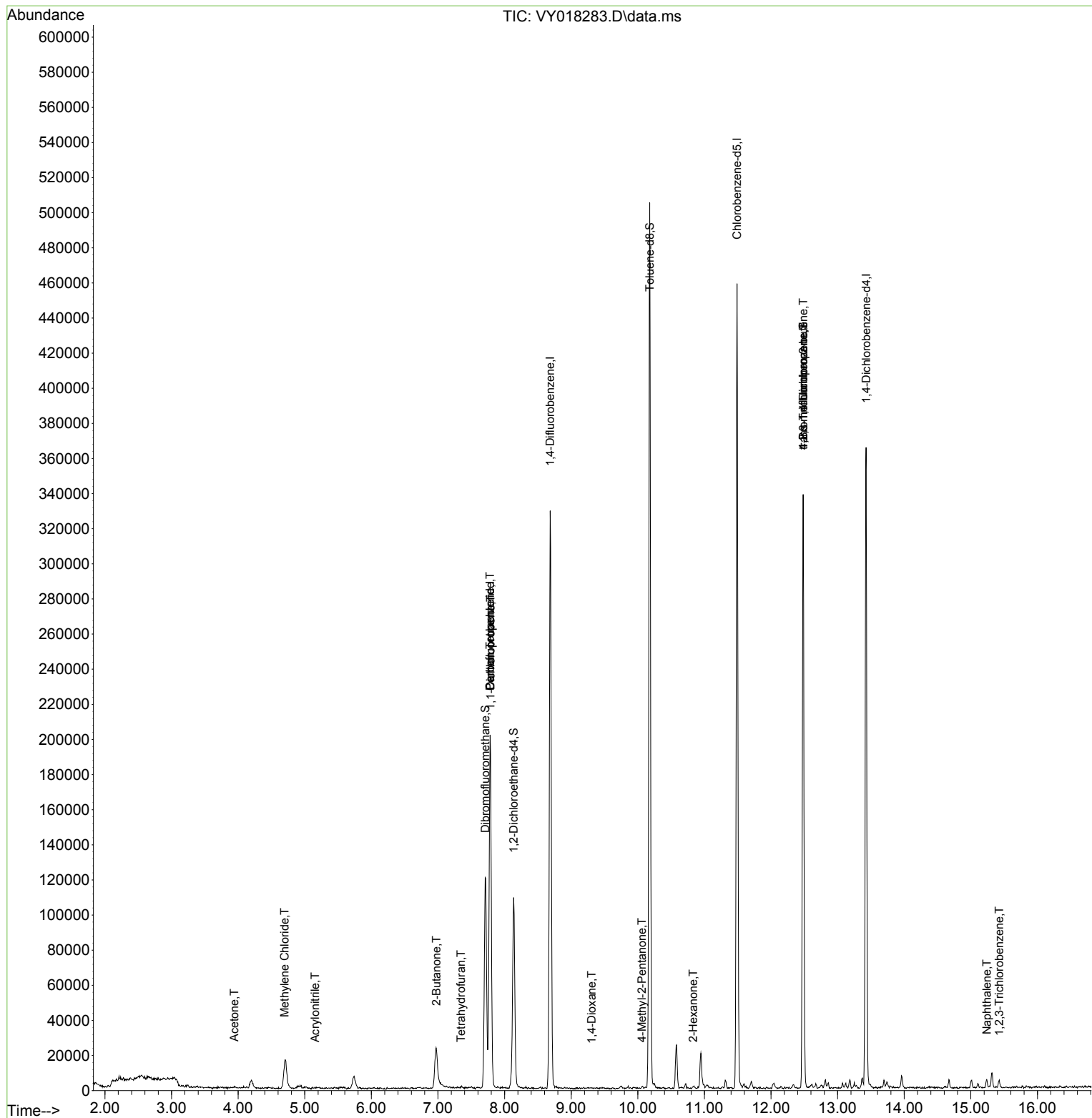
Internal Standards						
1) Pentafluorobenzene	7.783	168	161614	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	296083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	260234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	76583	64.413	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.820%			
35) Dibromofluoromethane	7.710	113	85781	55.127	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.260%			
50) Toluene-d8	10.179	98	336532	54.883	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.760%			
62) 4-Bromofluorobenzene	12.483	95	99612	50.304	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.600%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.905	59	895	Below Cal	#	91
13) Acrolein	3.735	56	211	Below Cal	#	79
15) Acrylonitrile	5.155	53	471	1.527	ug/l #	78
16) Acetone	3.942	43	1361	5.736	ug/l	96
20) Methylene Chloride	4.698	84	12770	7.615	ug/l #	86
25) 2-Butanone	6.978	43	1588	4.187	ug/l #	83
29) Tetrahydrofuran	7.344	42	272	1.086	ug/l #	26
31) Cyclohexane	7.783	56	3544	Below Cal	#	73
36) 1,1-Dichloropropene	7.789	75	12523	5.614	ug/l #	48
38) Carbon Tetrachloride	7.783	117	15546	6.378	ug/l #	16
49) 1,4-Dioxane	9.307	88	44	3.676	ug/l #	79
51) 4-Methyl-2-Pentanone	10.063	43	1006	1.040	ug/l #	84
59) 2-Hexanone	10.831	43	873	1.291	ug/l	72
76) 1,2,3-Trichloropropane	12.483	75	49441	63.390	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49441	122.132	ug/l #	16
95) Naphthalene	15.239	128	3593	1.252	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.428	180	1331	1.036	ug/l	96

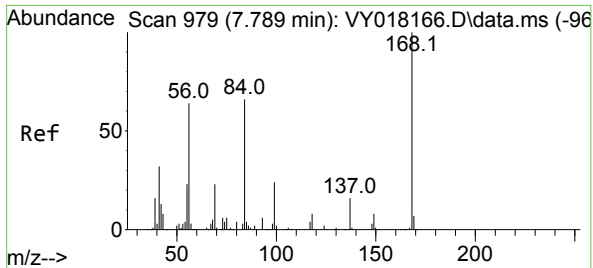
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Time: May 17 01:14:24 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

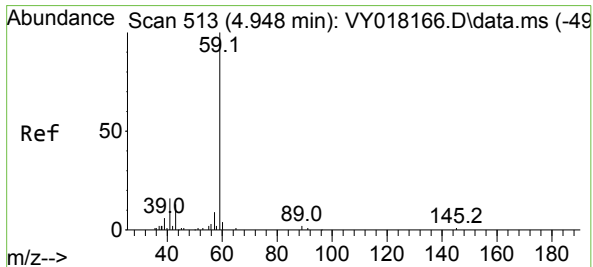
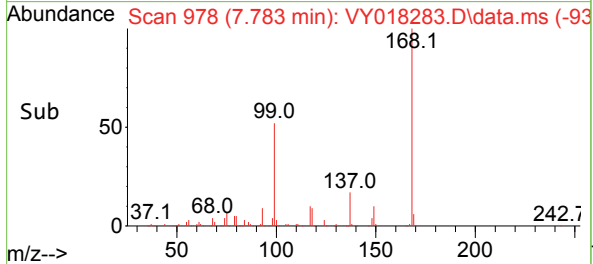
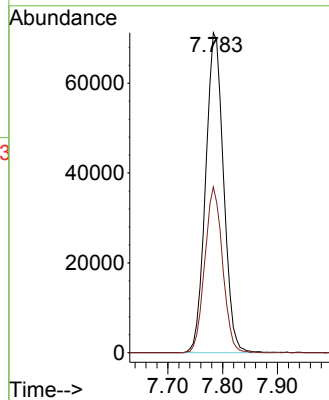
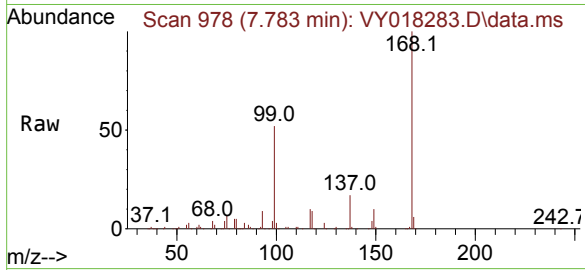




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018283.D
Acq: 16 May 2024 12:31

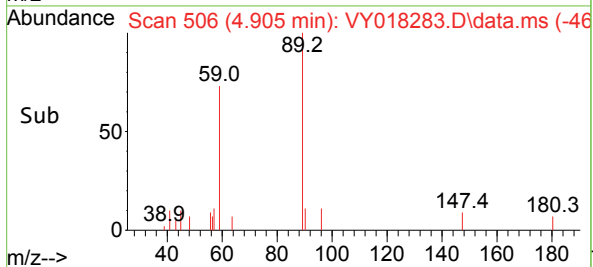
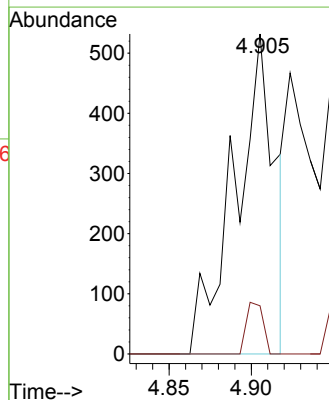
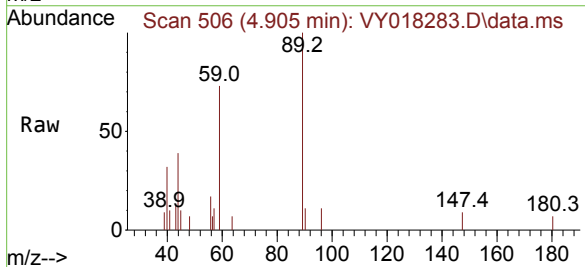
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

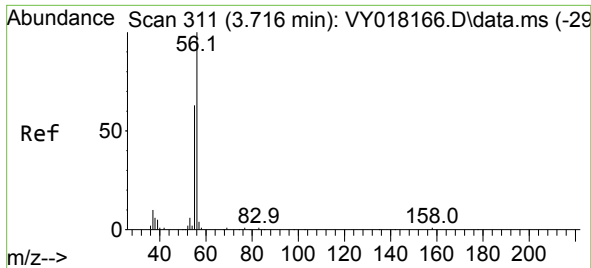
Tgt Ion:168 Resp: 161614
Ion Ratio Lower Upper
168 100
99 51.8 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.905 min Scan# 506
Delta R.T. -0.043 min
Lab File: VY018283.D
Acq: 16 May 2024 12:31

Tgt Ion: 59 Resp: 895
Ion Ratio Lower Upper
59 100
57 6.8 3.0 4.6#

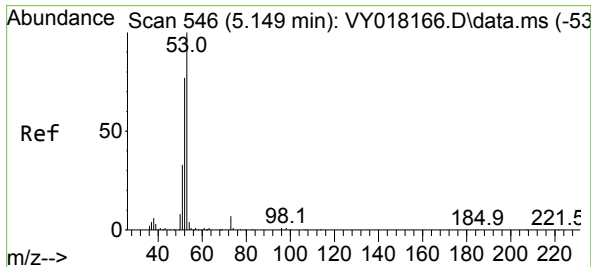
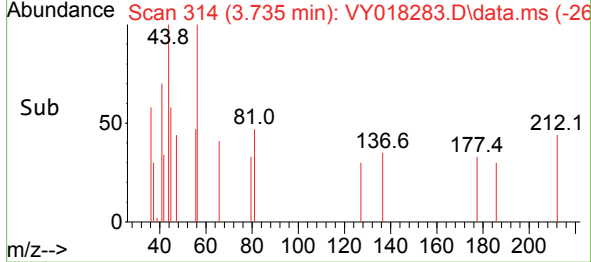
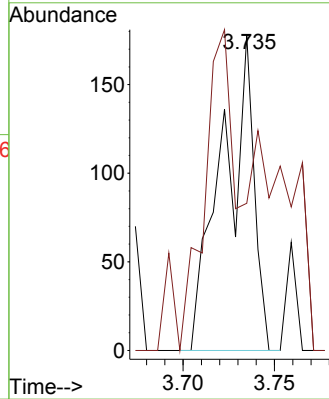
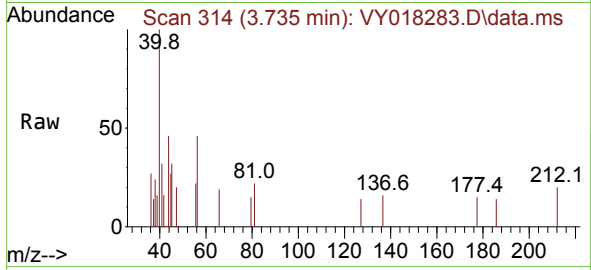




#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 311
Delta R.T. 0.019 min
Lab File: VY018283.D
Acq: 16 May 2024 12:31

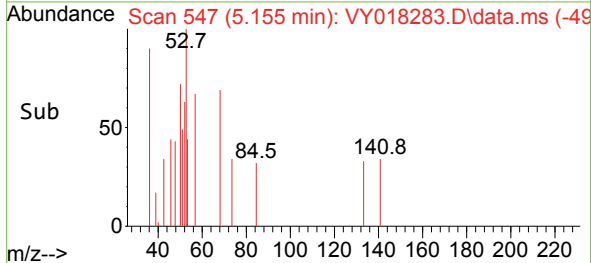
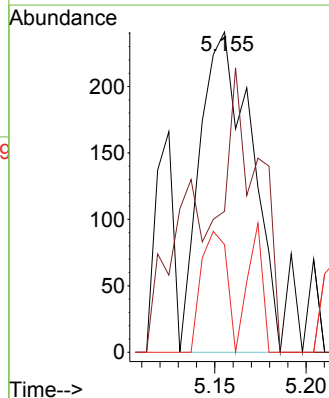
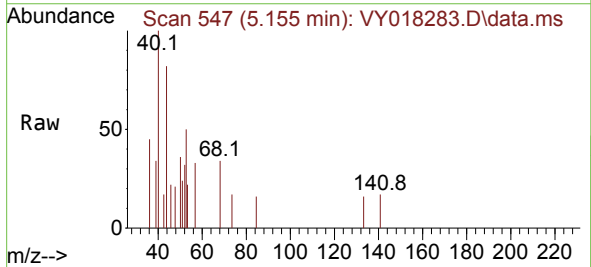
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

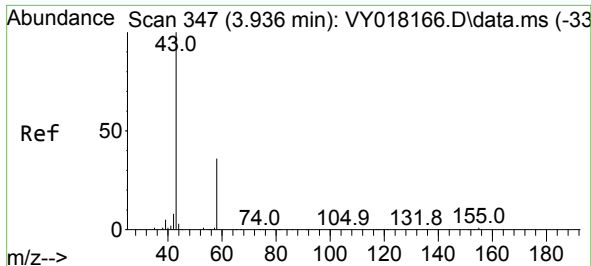
Tgt Ion: 56 Resp: 211
Ion Ratio Lower Upper
56 100
55 86.7 55.7 83.5#



#15
Acrylonitrile
Concen: 1.527 ug/l
RT: 5.155 min Scan# 547
Delta R.T. 0.006 min
Lab File: VY018283.D
Acq: 16 May 2024 12:31

Tgt Ion: 53 Resp: 471
Ion Ratio Lower Upper
53 100
52 63.9 64.7 97.1#
51 18.9 28.4 42.6#

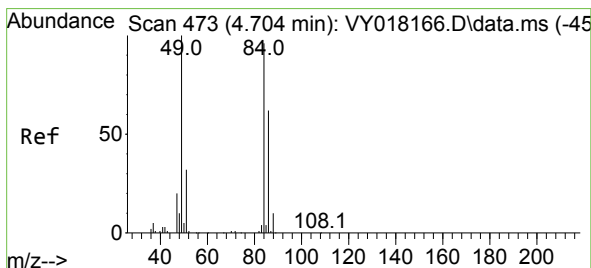
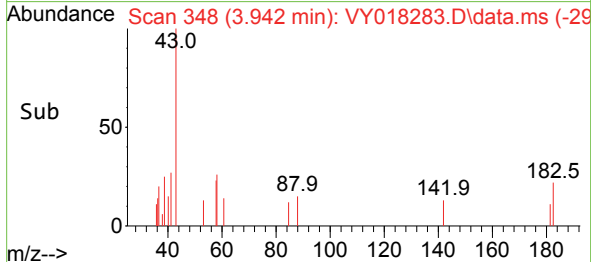
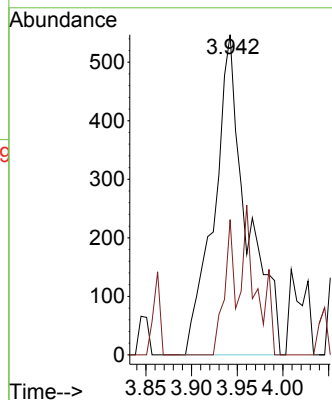
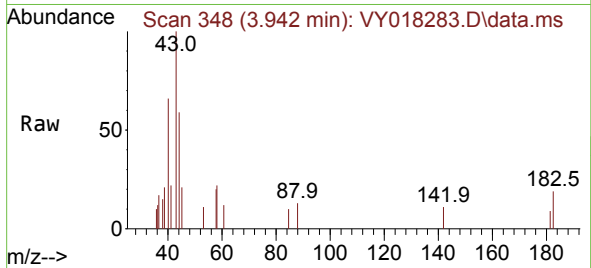




#16
Acetone
Concen: 5.736 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY018283.D
Acq: 16 May 2024 12:31

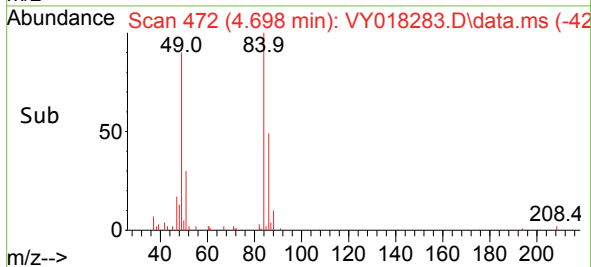
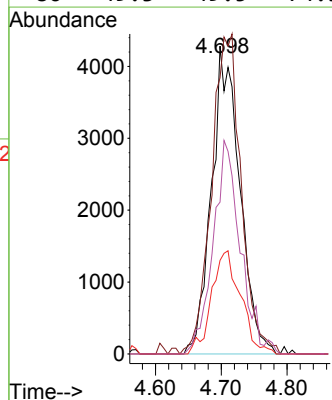
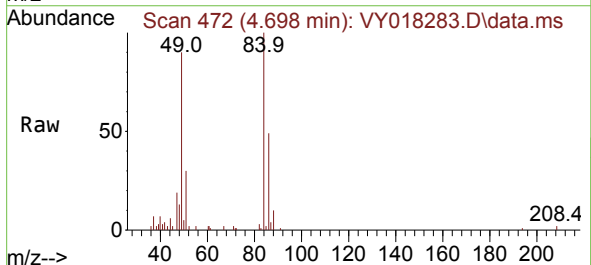
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

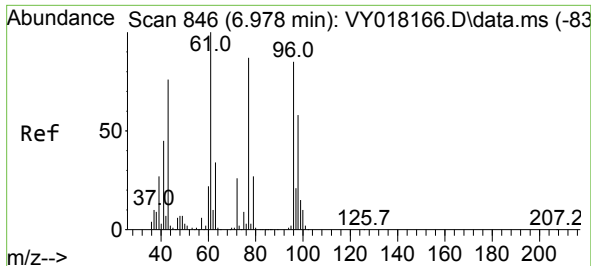
Tgt Ion: 43 Resp: 1361
Ion Ratio Lower Upper
43 100
58 42.2 31.7 47.5



#20
Methylene Chloride
Concen: 7.615 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY018283.D
Acq: 16 May 2024 12:31

Tgt Ion: 84 Resp: 12770
Ion Ratio Lower Upper
84 100
49 89.7 84.4 126.6
51 30.4 26.0 39.0
86 49.3 49.5 74.3#





#25

2-Butanone

Concen: 4.187 ug/l

RT: 6.978 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY018283.D

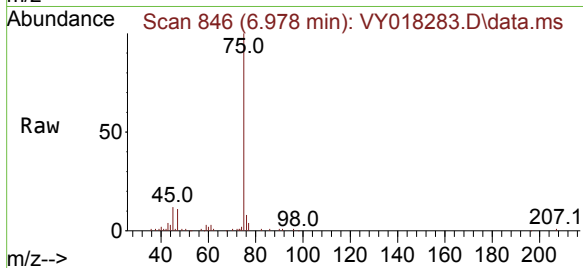
Acq: 16 May 2024 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBL01

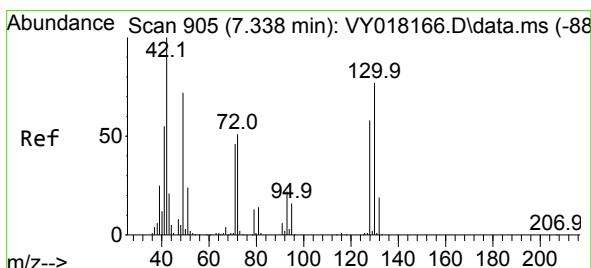
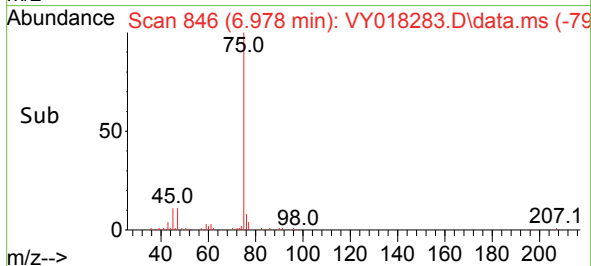
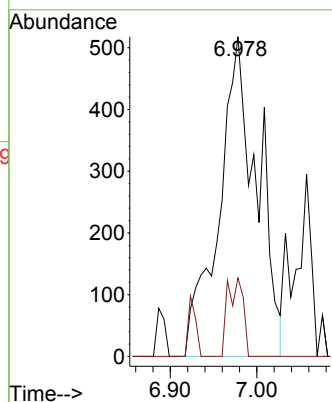


Tgt Ion: 43 Resp: 1588

Ion Ratio Lower Upper

43 100

72 24.5 27.3 40.9#



#29

Tetrahydrofuran

Concen: 1.086 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY018283.D

Acq: 16 May 2024 12:31

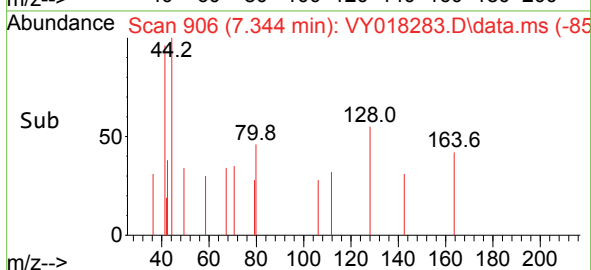
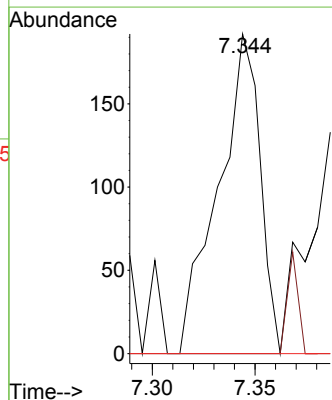
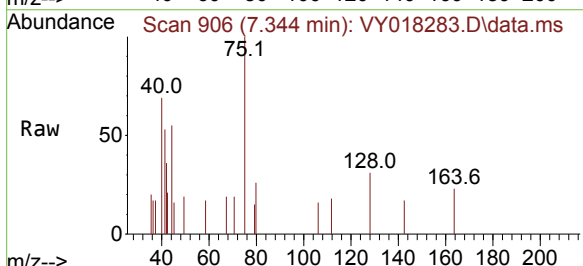
Tgt Ion: 42 Resp: 272

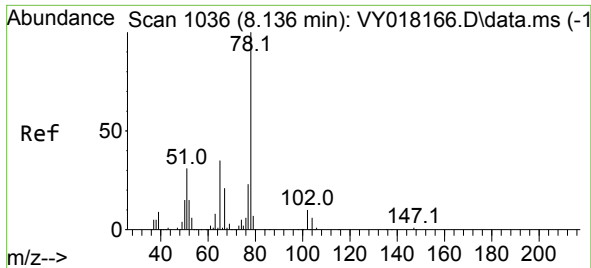
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#

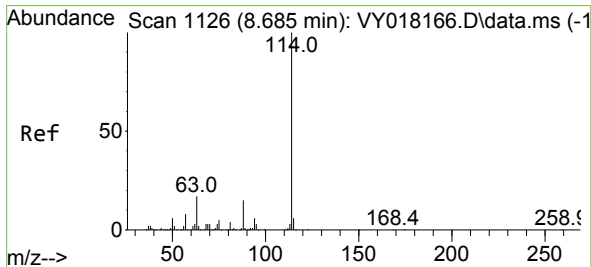
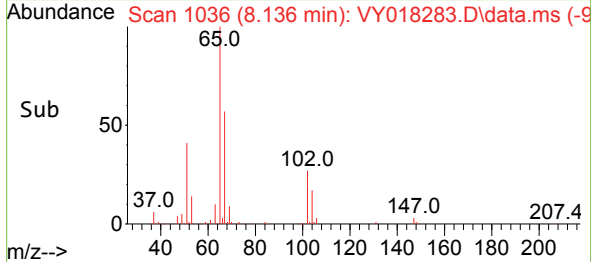
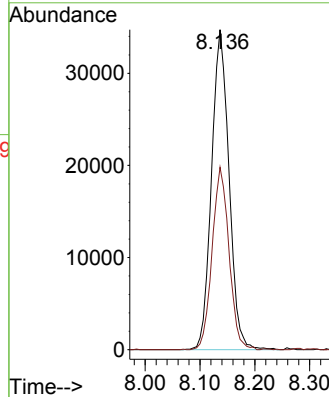
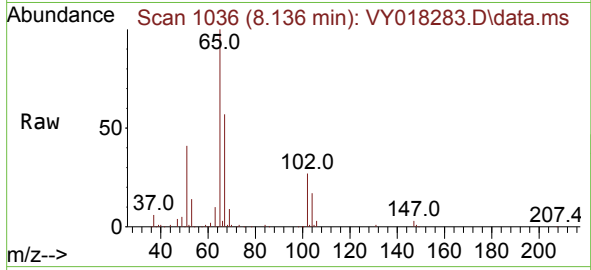




#33
 1,2-Dichloroethane-d4
 Concen: 64.413 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY018283.D
 Acq: 16 May 2024 12:31

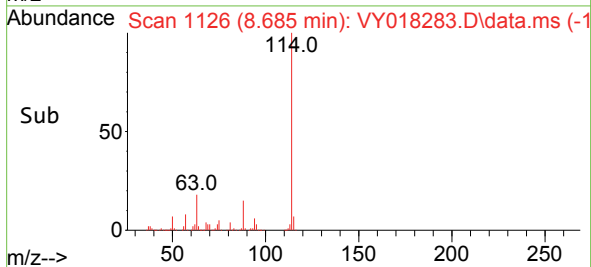
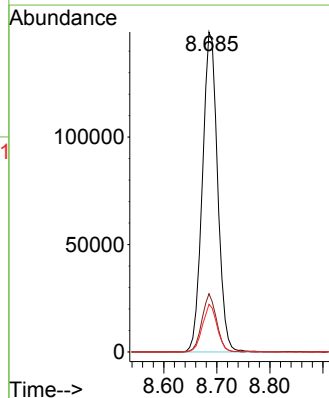
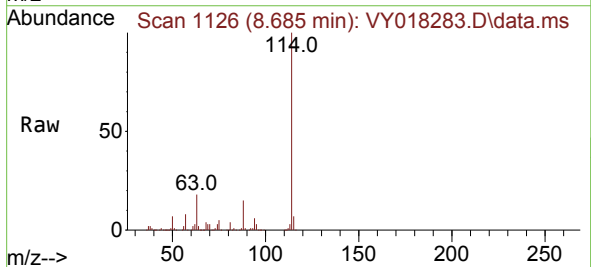
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBL01

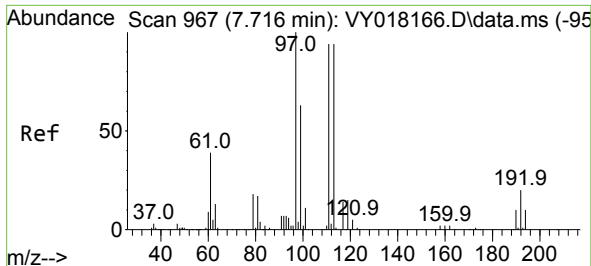
Tgt Ion: 65 Resp: 76583
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY018283.D
 Acq: 16 May 2024 12:31

Tgt Ion: 114 Resp: 296083
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.0
 88 14.9 0.0 27.2

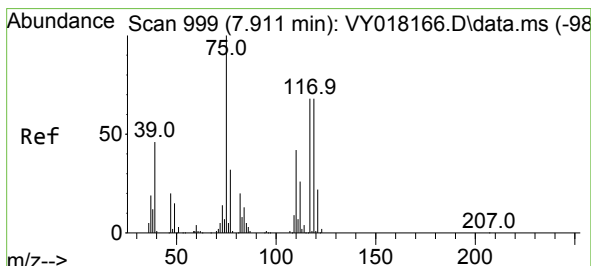
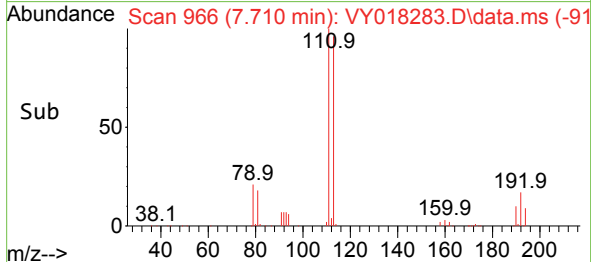
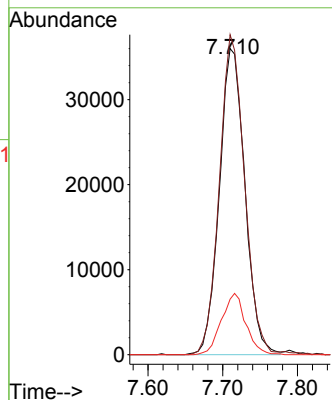
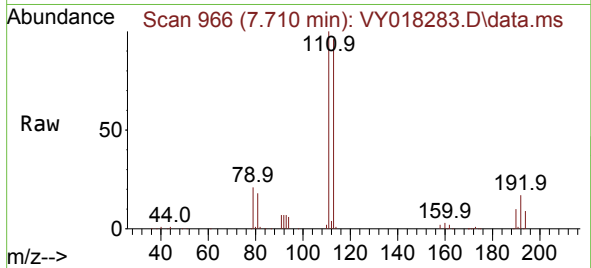




#35
Dibromofluoromethane
Concen: 55.127 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY018283.D
Acq: 16 May 2024 12:31

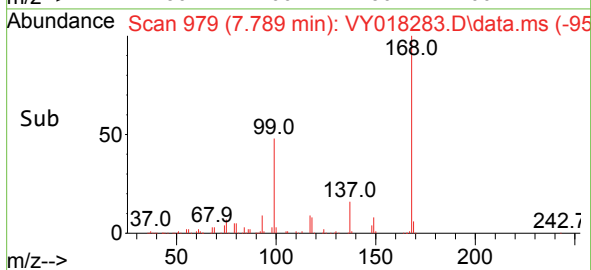
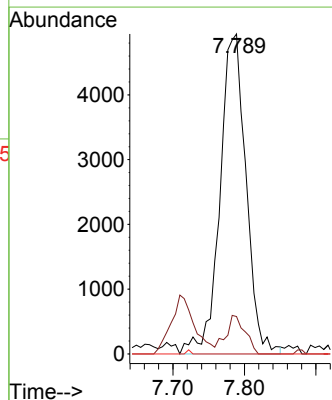
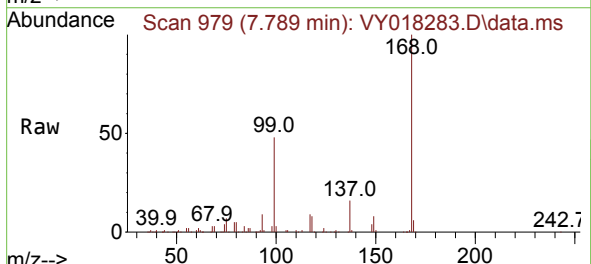
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ClientSampleId :
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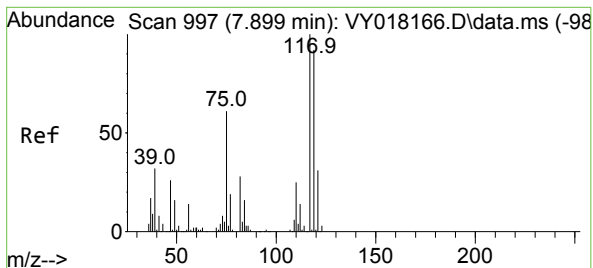
Tgt Ion:113 Resp: 85781
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 19.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.614 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY018283.D
Acq: 16 May 2024 12:31

Tgt Ion: 75 Resp: 12523
Ion Ratio Lower Upper
75 100
110 8.8 19.0 57.0#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.378 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY018283.D

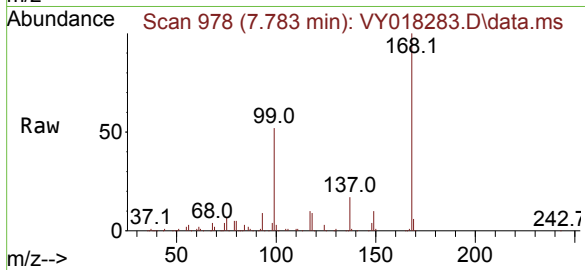
Acq: 16 May 2024 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBL01



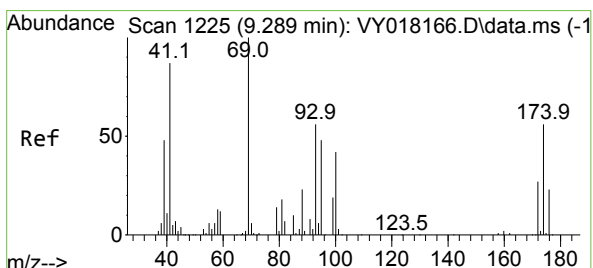
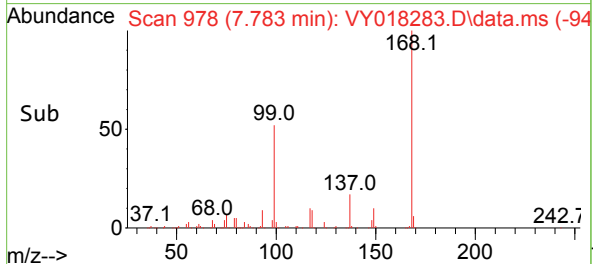
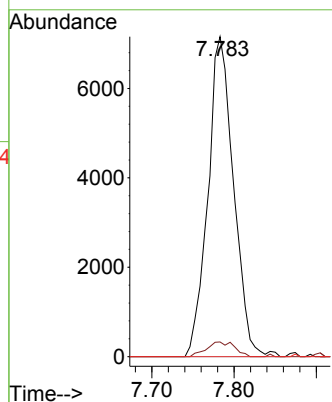
Tgt Ion:117 Resp: 15546

Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.6#

121 0.0 24.0 36.0#



#49

1,4-Dioxane

Concen: 3.676 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.018 min

Lab File: VY018283.D

Acq: 16 May 2024 12:31

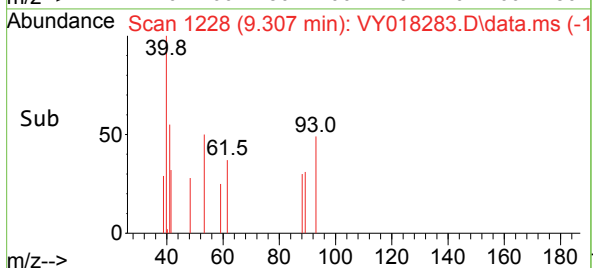
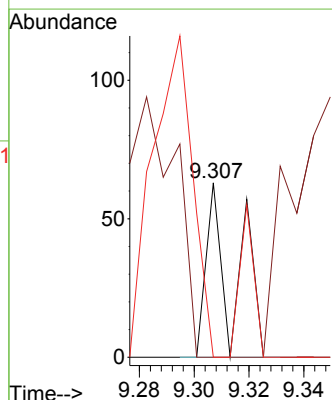
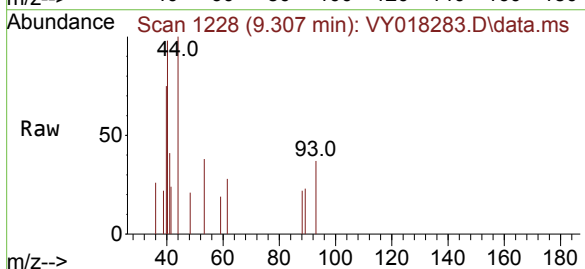
Tgt Ion: 88 Resp: 44

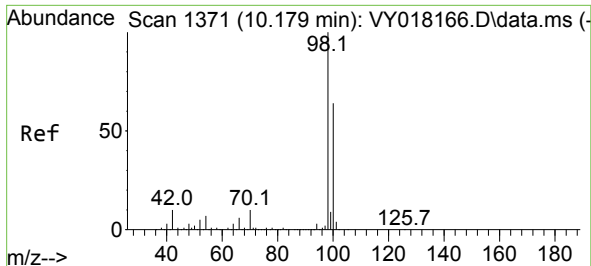
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 45.5 49.3 73.9#

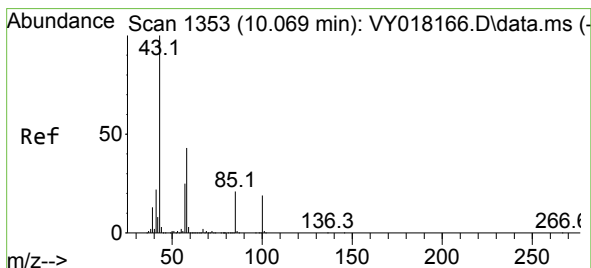
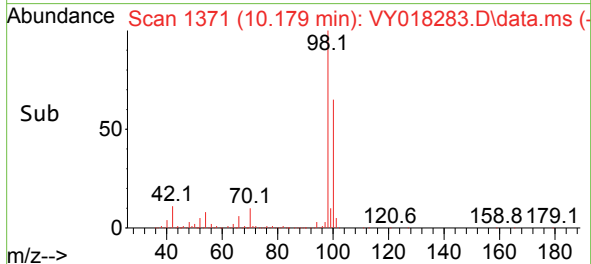
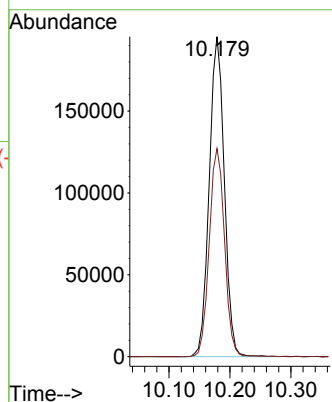
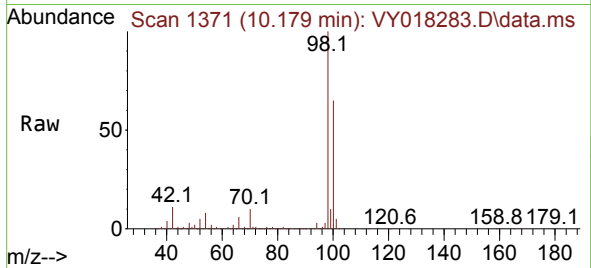




#50
Toluene-d8
Concen: 54.883 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018283.D
Acq: 16 May 2024 12:31

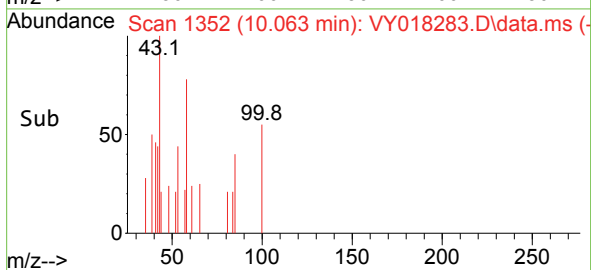
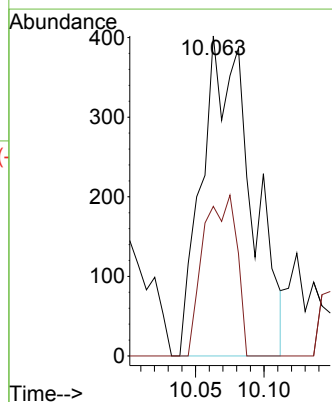
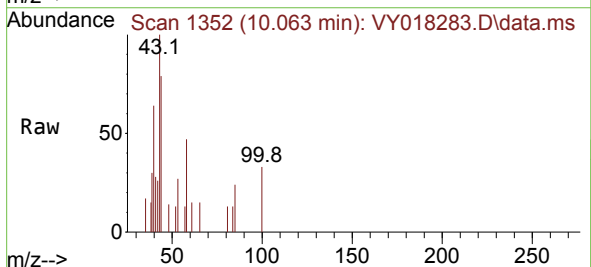
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

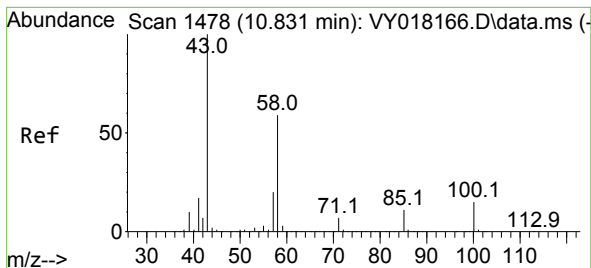
Tgt Ion: 98 Resp: 336532
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.040 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY018283.D
Acq: 16 May 2024 12:31

Tgt Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
58 34.0 35.7 53.5#

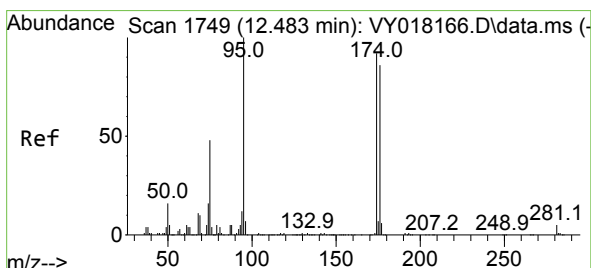
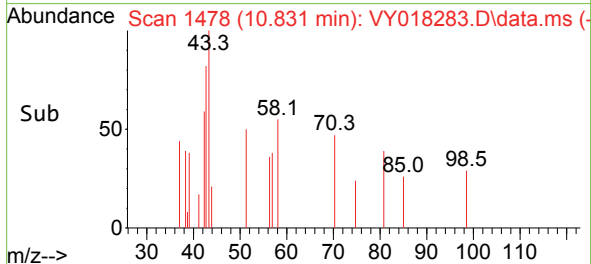
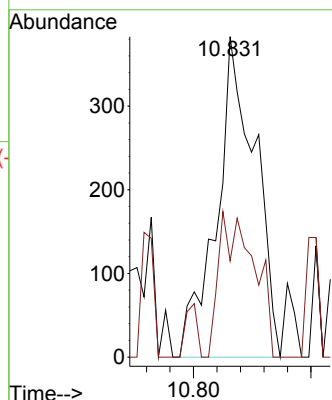
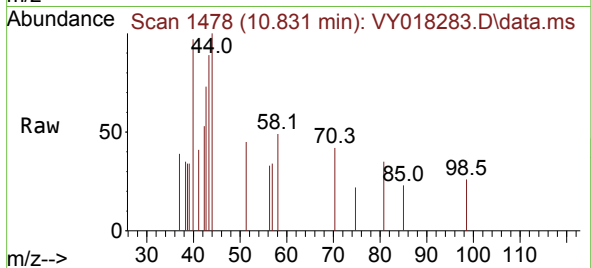




#59
2-Hexanone
Concen: 1.291 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY018283.D
Acq: 16 May 2024 12:31

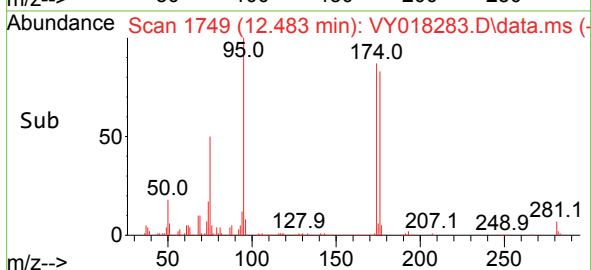
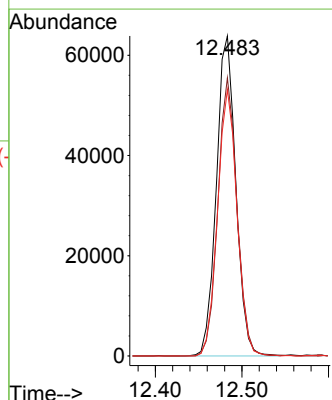
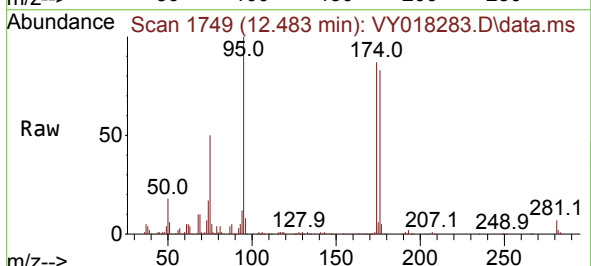
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

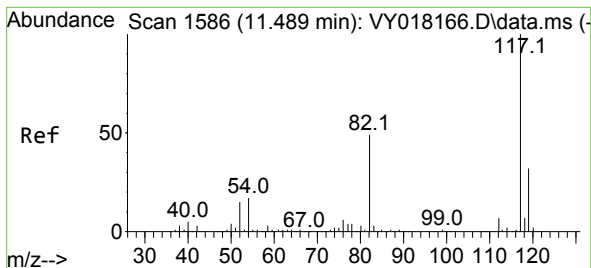
Tgt Ion: 43 Resp: 873
Ion Ratio Lower Upper
43 100
58 41.2 31.4 94.0



#62
4-Bromofluorobenzene
Concen: 50.304 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018283.D
Acq: 16 May 2024 12:31

Tgt Ion: 95 Resp: 99612
Ion Ratio Lower Upper
95 100
174 85.3 0.0 175.6
176 83.4 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: VY018283.D

Acq: 16 May 2024 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBL01

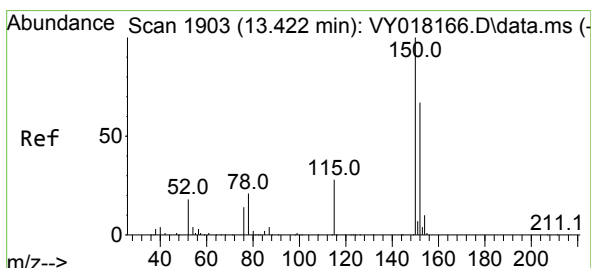
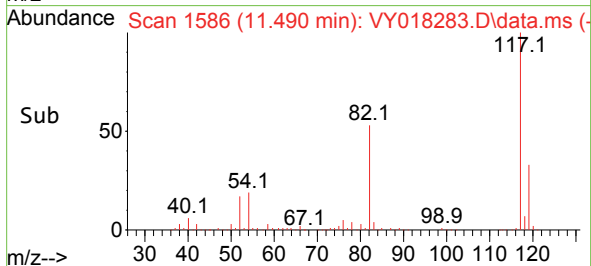
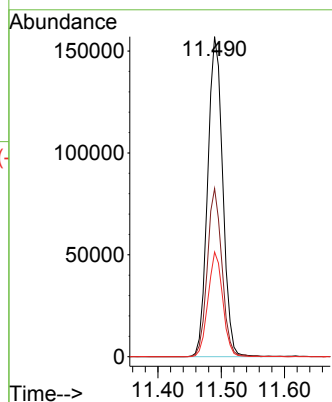
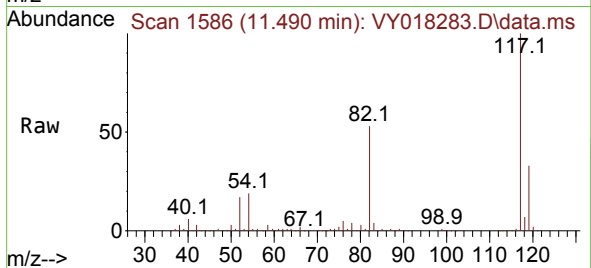
Tgt Ion:117 Resp: 260234

Ion Ratio Lower Upper

117 100

82 52.6 42.4 63.6

119 32.7 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: VY018283.D

Acq: 16 May 2024 12:31

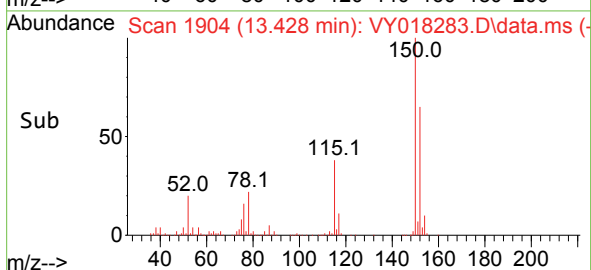
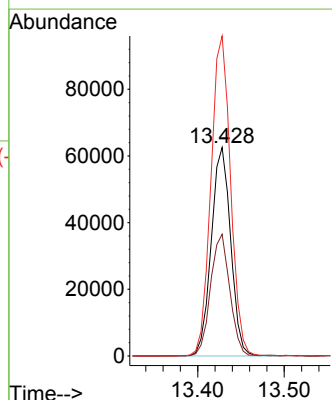
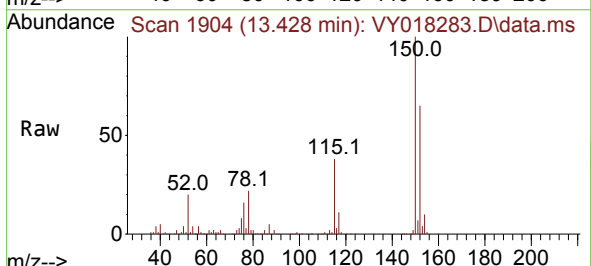
Tgt Ion:152 Resp: 97440

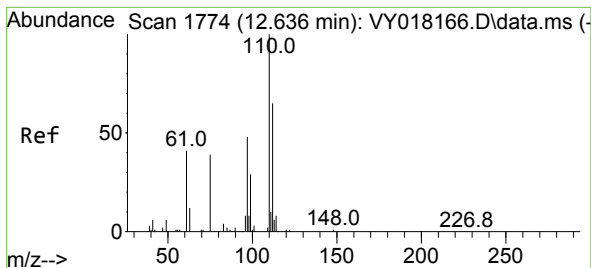
Ion Ratio Lower Upper

152 100

115 58.2 28.2 84.7

150 155.0 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 63.390 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY018283.D

Acq: 16 May 2024 12:31

Instrument :

MSVOA_Y

ClientSampleId :

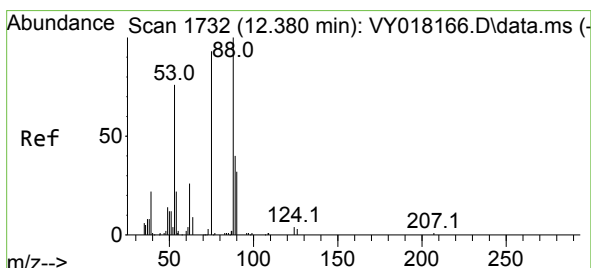
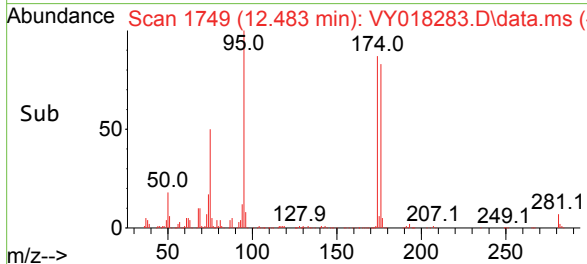
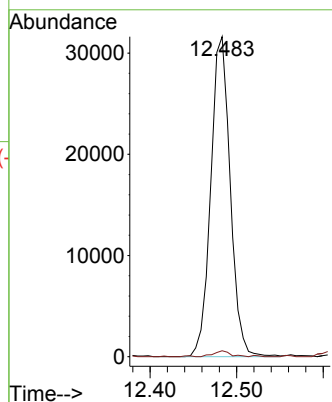
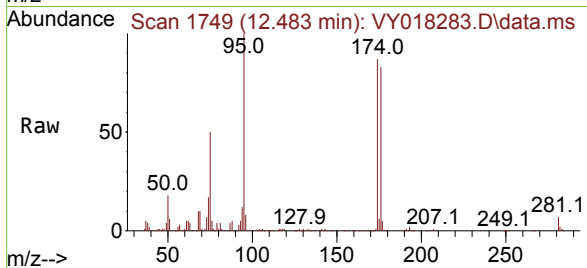
VY0516SBL01

Tgt Ion: 75 Resp: 49441

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.132 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY018283.D

Acq: 16 May 2024 12:31

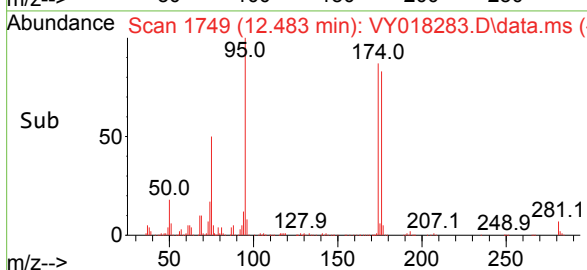
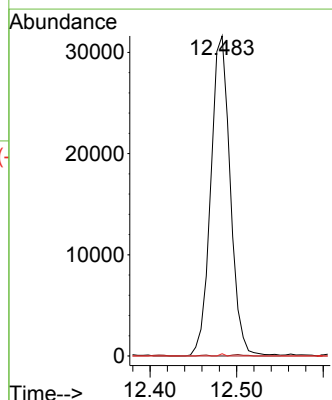
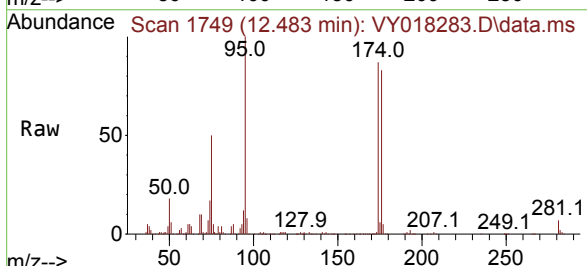
Tgt Ion: 75 Resp: 49441

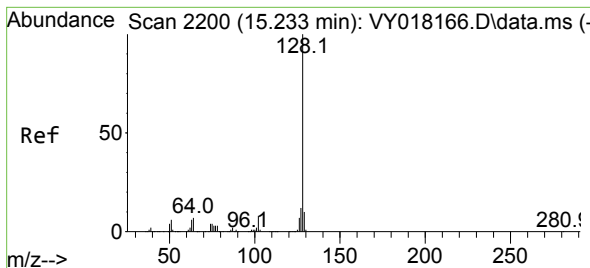
Ion Ratio Lower Upper

75 100

53 0.1 66.8 100.2#

89 0.2 35.8 53.6#





#95

Naphthalene

Concen: 1.252 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY018283.D

Acq: 16 May 2024 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBL01

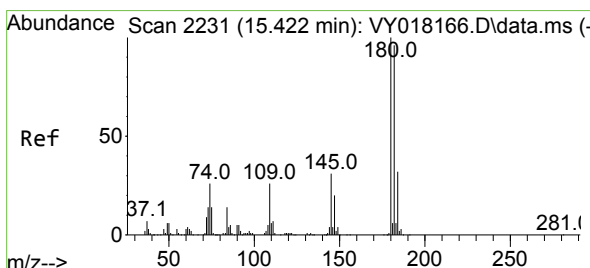
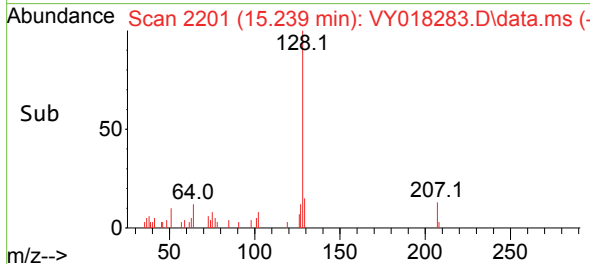
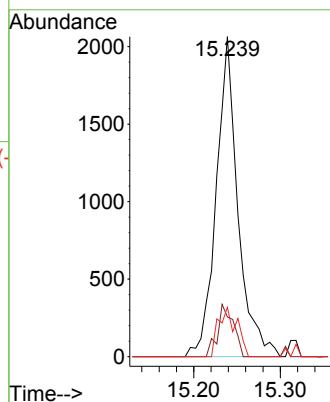
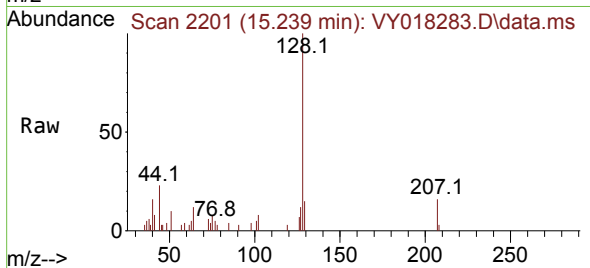
Tgt Ion:128 Resp: 3593

Ion Ratio Lower Upper

128 100

127 11.9 10.6 16.0

129 13.1 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.036 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY018283.D

Acq: 16 May 2024 12:31

Tgt Ion:180 Resp: 1331

Ion Ratio Lower Upper

180 100

182 98.7 47.6 142.9

145 32.8 15.4 46.1

