

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
 Data File : VY018323.D
 Acq On : 20 May 2024 10:18
 Operator : SY/MD
 Sample : VY0520SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBL01

Quant Time: May 21 01:20:17 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)

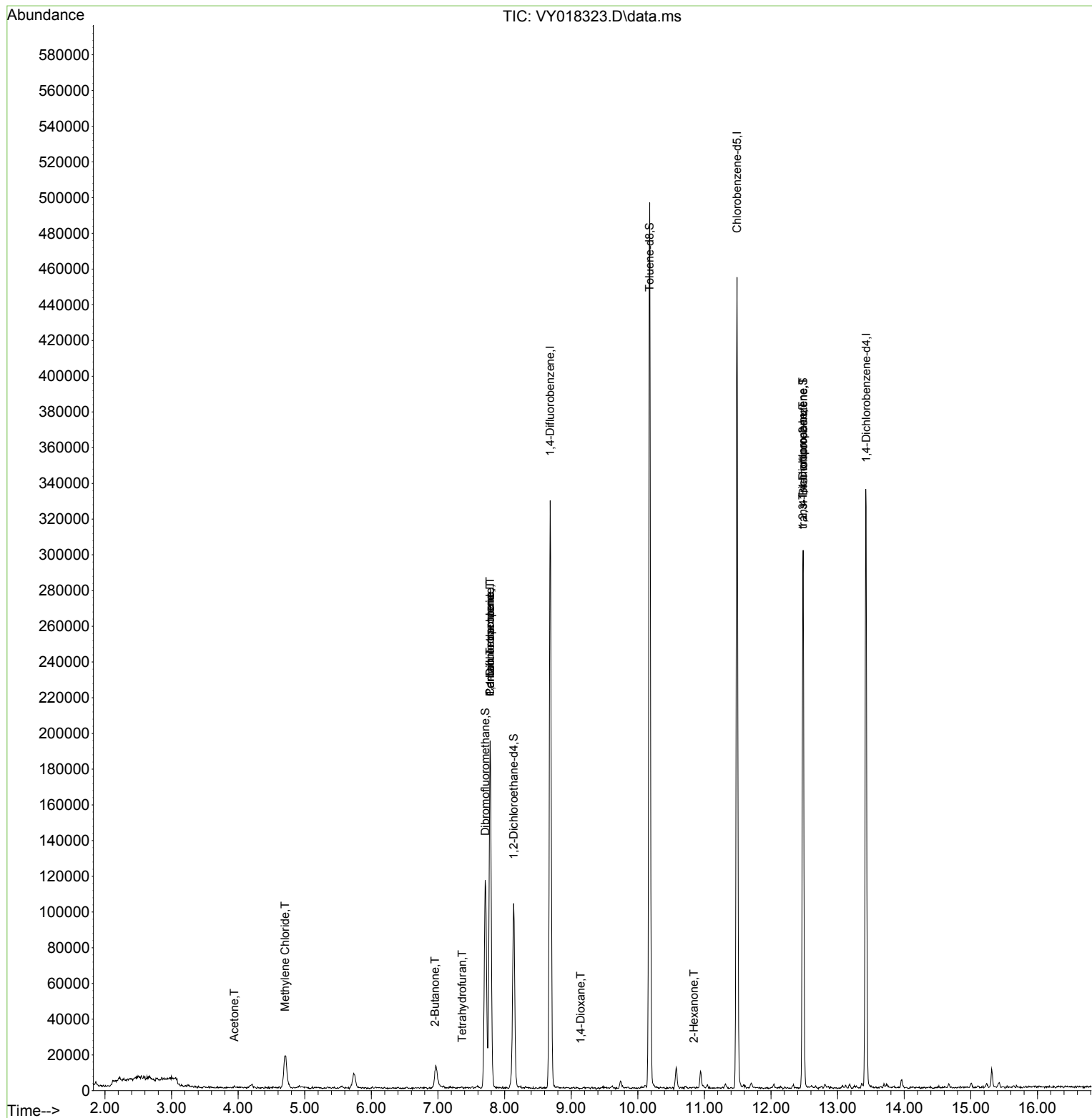
Internal Standards						
1) Pentafluorobenzene	7.783	168	146986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	288648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	250611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	71940	66.529	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.060%			
35) Dibromofluoromethane	7.710	113	85900	56.626	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.260%			
50) Toluene-d8	10.179	98	330959	55.364	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.720%			
62) 4-Bromofluorobenzene	12.483	95	95352	49.393	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.780%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	399	Below Cal	#	86
13) Acrolein	3.717	56	72	Below Cal	#	46
16) Acetone	3.942	43	817	3.786	ug/l	95
20) Methylene Chloride	4.704	84	14624	9.588	ug/l #	97
25) 2-Butanone	6.954	43	1006	2.916	ug/l #	67
29) Tetrahydrofuran	7.362	42	338	1.484	ug/l #	53
31) Cyclohexane	7.783	56	3357	Below Cal	#	4
36) 1,1-Dichloropropene	7.783	75	12065	5.548	ug/l #	48
38) Carbon Tetrachloride	7.783	117	15107	6.358	ug/l #	17
49) 1,4-Dioxane	9.142	88	79	6.769	ug/l #	20
59) 2-Hexanone	10.843	43	854	1.295	ug/l	80
76) 1,2,3-Trichloropropane	12.477	75	48028	68.927	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	48028	132.799	ug/l #	16

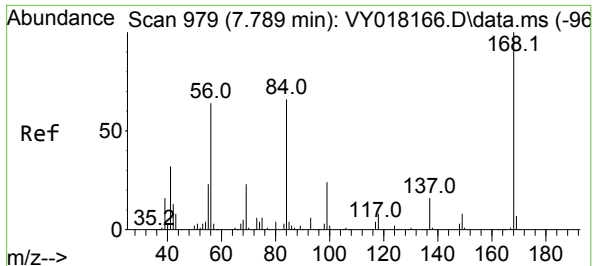
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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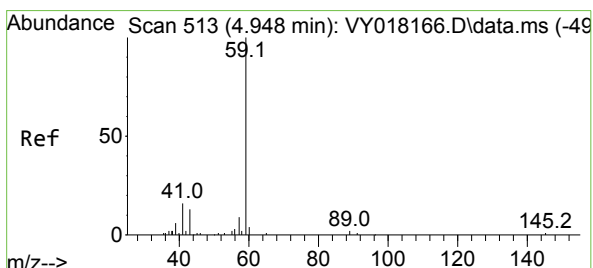
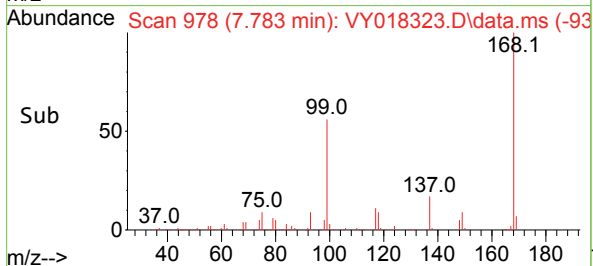
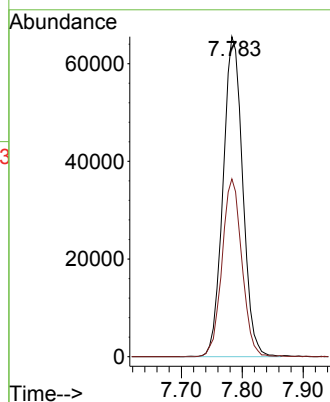
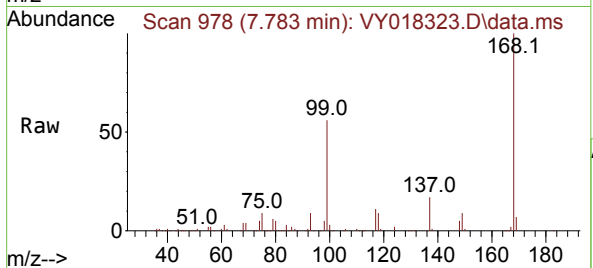




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018323.D
Acq: 20 May 2024 10:18

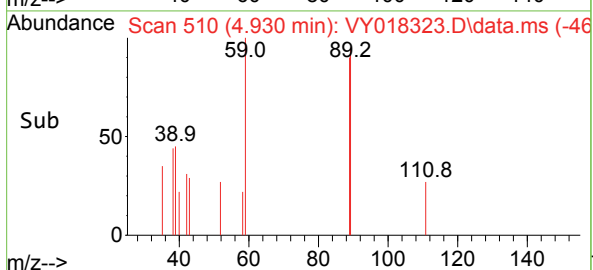
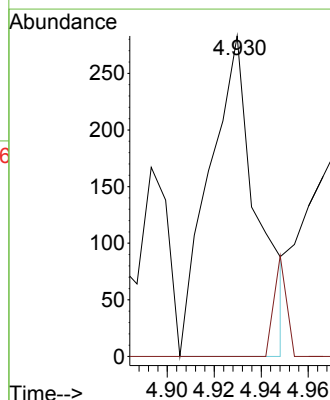
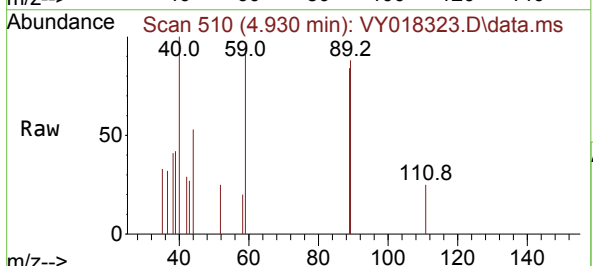
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

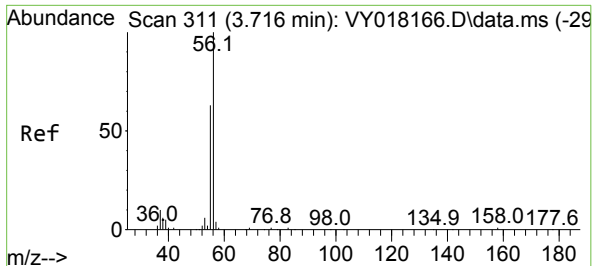
Tgt Ion:168 Resp: 146986
Ion Ratio Lower Upper
168 100
99 55.5 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY018323.D
Acq: 20 May 2024 10:18

Tgt Ion: 59 Resp: 399
Ion Ratio Lower Upper
59 100
57 8.3 3.0 4.6#

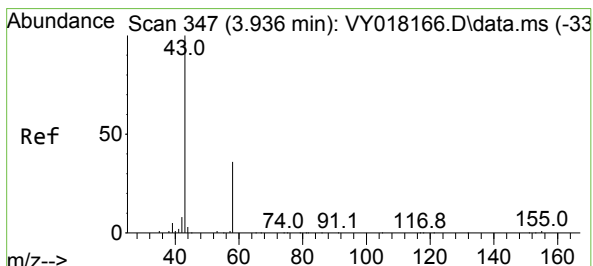
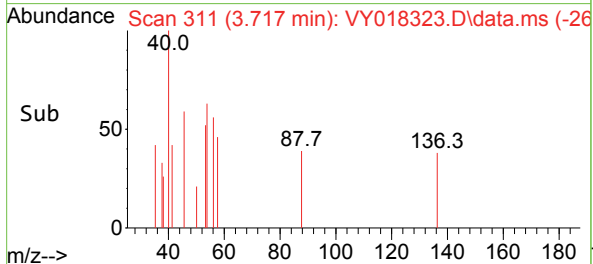
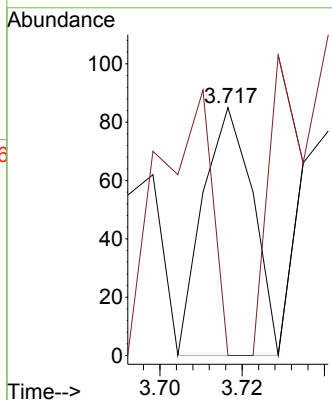
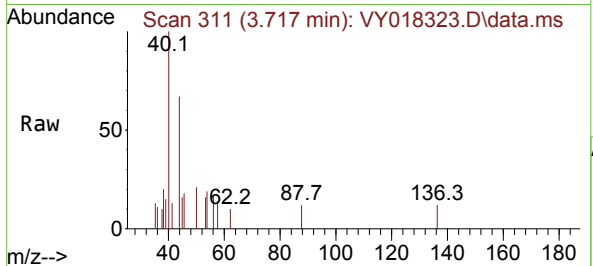




#13
Acrolein
Concen: Below Cal
RT: 3.717 min Scan# 311
Delta R.T. 0.001 min
Lab File: VY018323.D
Acq: 20 May 2024 10:18

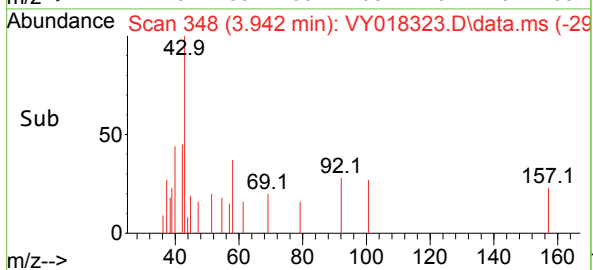
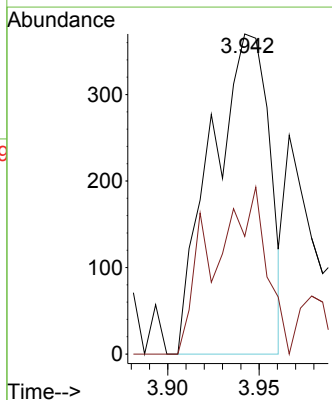
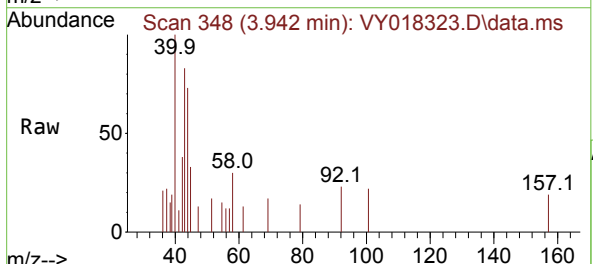
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

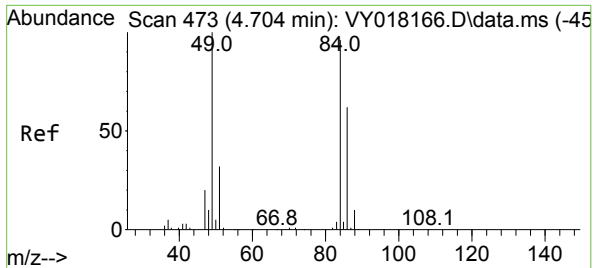
Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 113.9 55.7 83.5#



#16
Acetone
Concen: 3.786 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY018323.D
Acq: 20 May 2024 10:18

Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
58 36.8 31.7 47.5

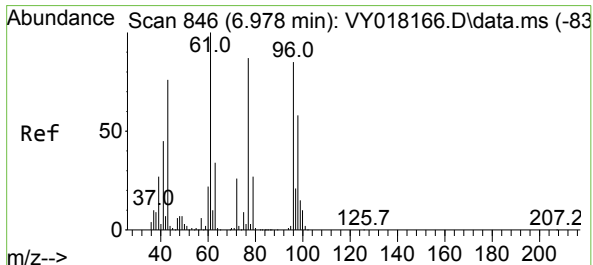
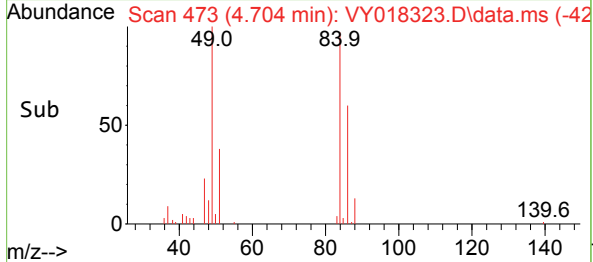
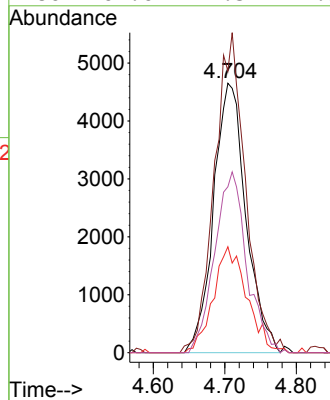
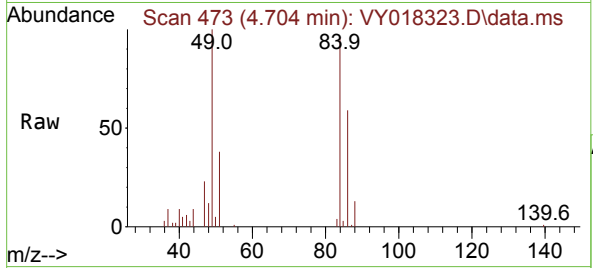




#20
Methylene Chloride
Concen: 9.588 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY018323.D
Acq: 20 May 2024 10:18

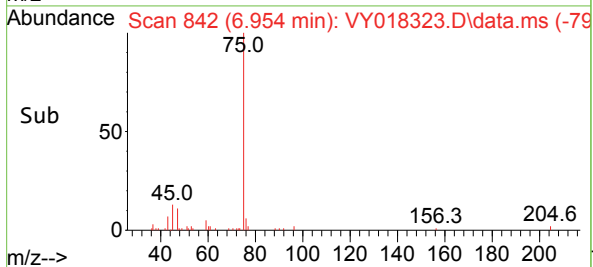
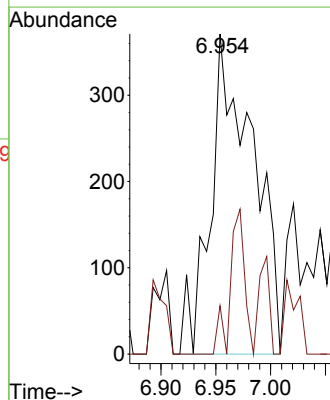
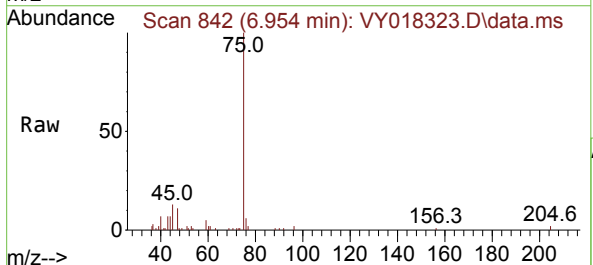
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

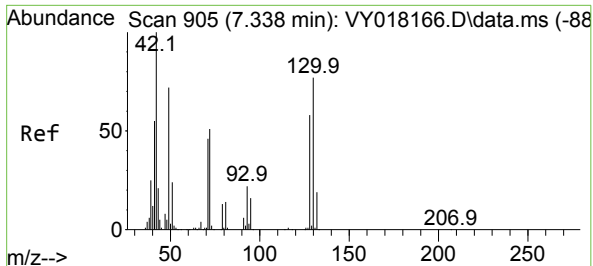
Tgt Ion:	84	Resp:	14624
Ion	Ratio	Lower	Upper
84	100		
49	104.5	84.4	126.6
51	39.3	26.0	39.0#
86	61.6	49.5	74.3



#25
2-Butanone
Concen: 2.916 ug/l
RT: 6.954 min Scan# 842
Delta R.T. -0.024 min
Lab File: VY018323.D
Acq: 20 May 2024 10:18

Tgt Ion:	43	Resp:	1006
Ion	Ratio	Lower	Upper
43	100		
72	15.1	27.3	40.9#





#29

Tetrahydrofuran

Concen: 1.484 ug/l

RT: 7.362 min Scan# 905

Delta R.T. 0.024 min

Lab File: VY018323.D

Acq: 20 May 2024 10:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBL01

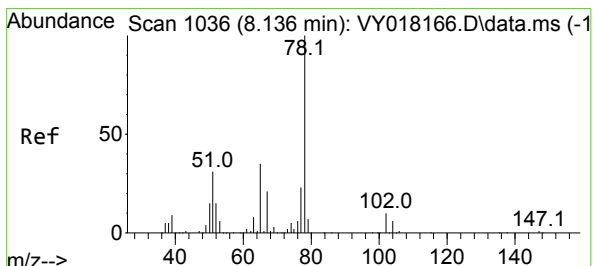
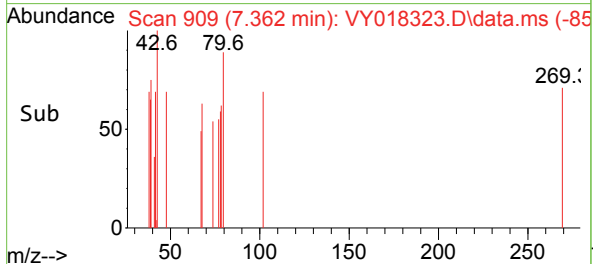
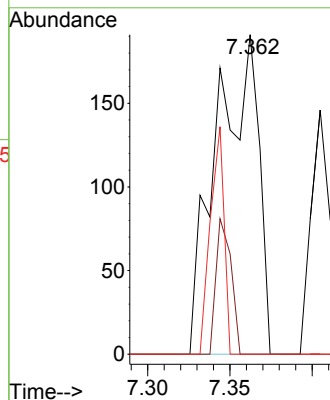
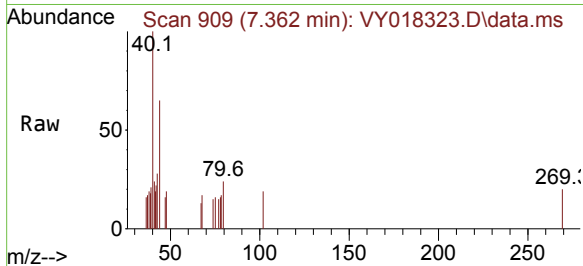
Tgt Ion: 42 Resp: 338

Ion Ratio Lower Upper

42 100

72 15.4 43.0 64.4#

71 23.4 40.8 61.2#



#33

1,2-Dichloroethane-d4

Concen: 66.529 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY018323.D

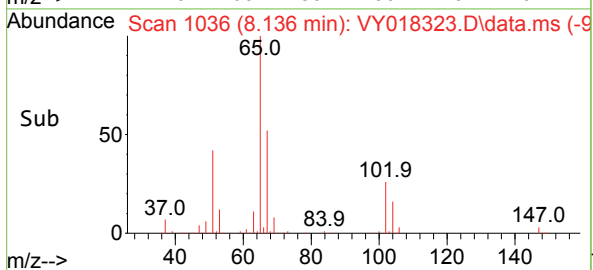
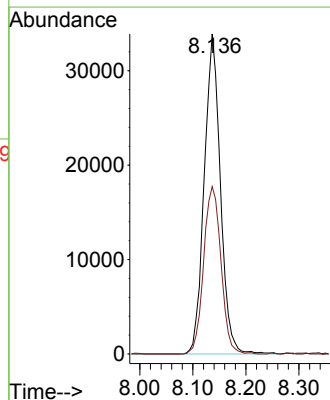
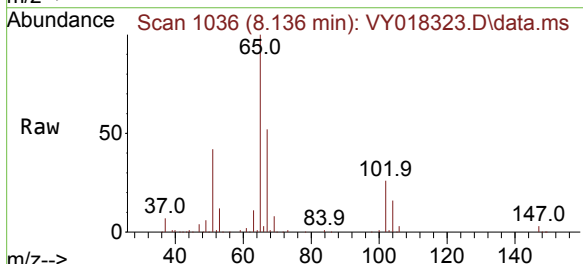
Acq: 20 May 2024 10:18

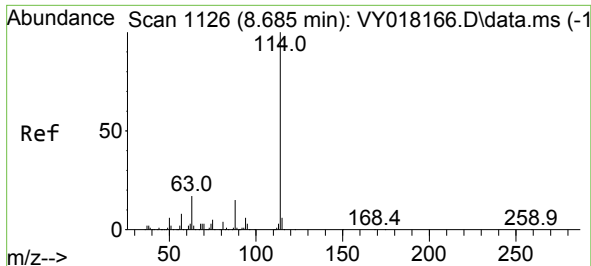
Tgt Ion: 65 Resp: 71940

Ion Ratio Lower Upper

65 100

67 55.9 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY018323.D

Acq: 20 May 2024 10:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBL01

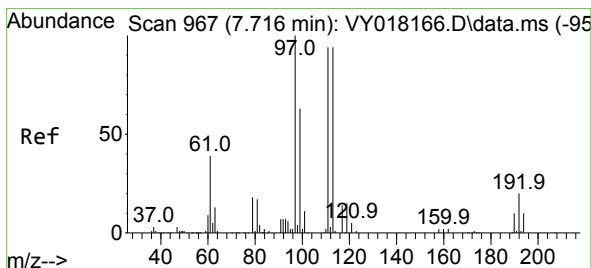
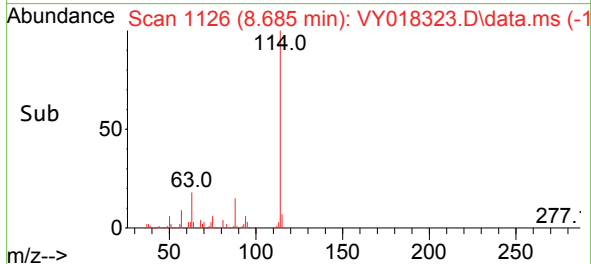
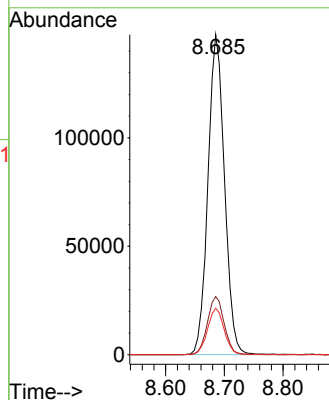
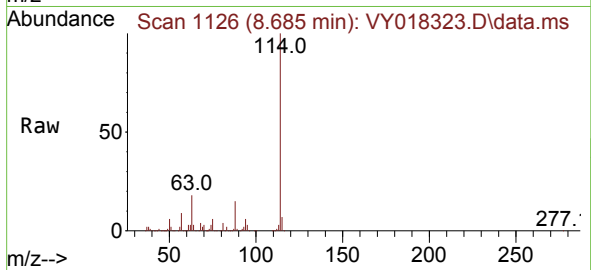
Tgt Ion:114 Resp: 288648

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 14.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 56.626 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY018323.D

Acq: 20 May 2024 10:18

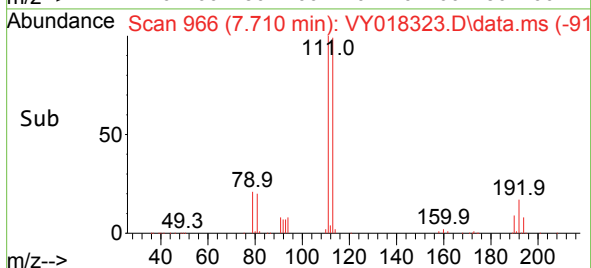
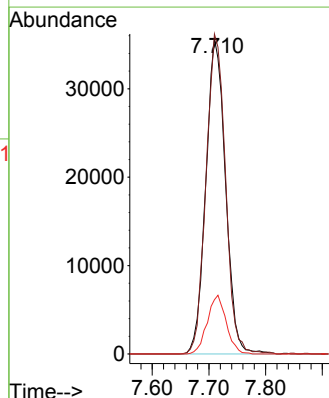
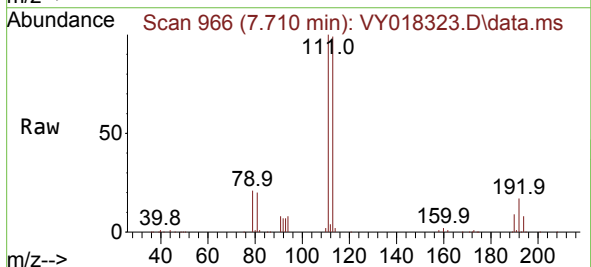
Tgt Ion:113 Resp: 85900

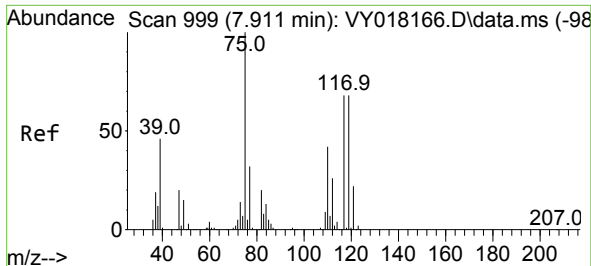
Ion Ratio Lower Upper

113 100

111 100.4 82.2 123.4

192 18.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.548 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY018323.D

Acq: 20 May 2024 10:18

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ClientSampleId :

VY0520SBL01

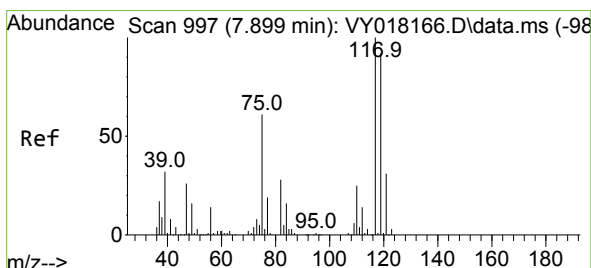
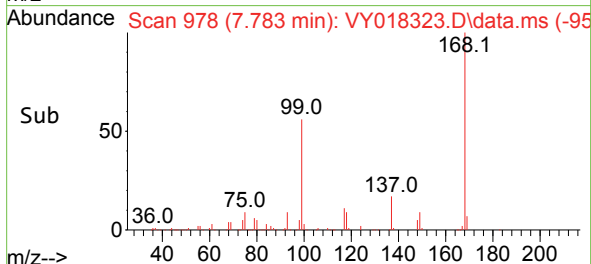
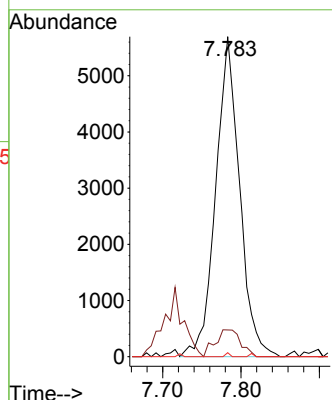
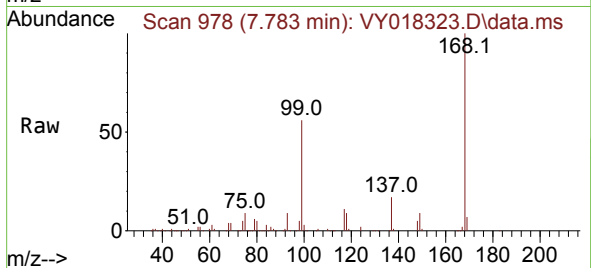
Tgt Ion: 75 Resp: 12065

Ion Ratio Lower Upper

75 100

110 8.9 19.0 57.0#

77 0.2 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.358 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY018323.D

Acq: 20 May 2024 10:18

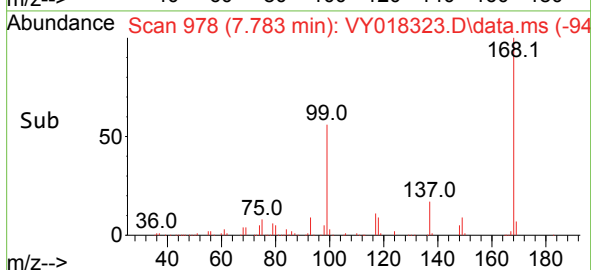
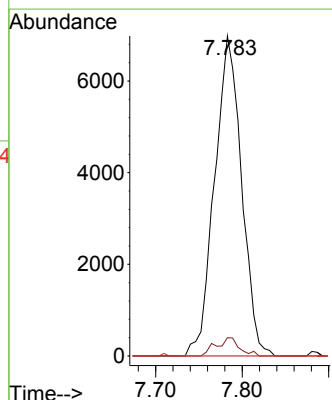
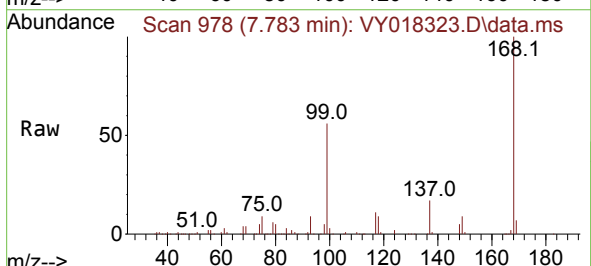
Tgt Ion: 117 Resp: 15107

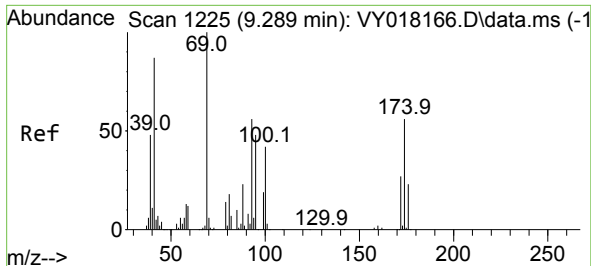
Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

121 0.0 24.0 36.0#

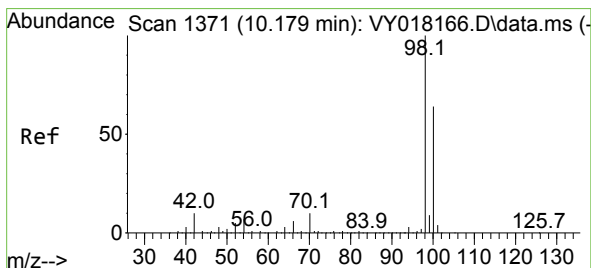
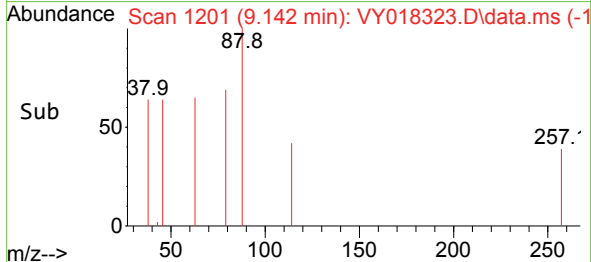
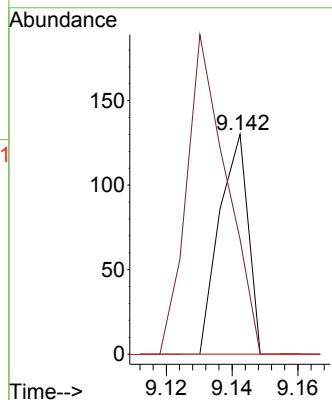
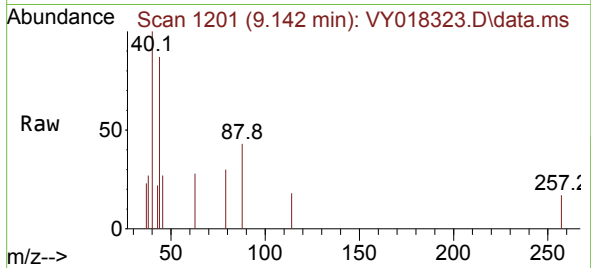




#49
1,4-Dioxane
Concen: 6.769 ug/l
RT: 9.142 min Scan# 1201
Delta R.T. -0.146 min
Lab File: VY018323.D
Acq: 20 May 2024 10:18

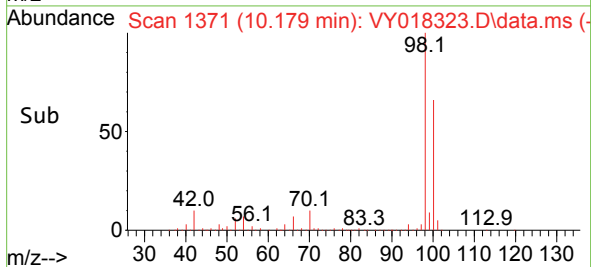
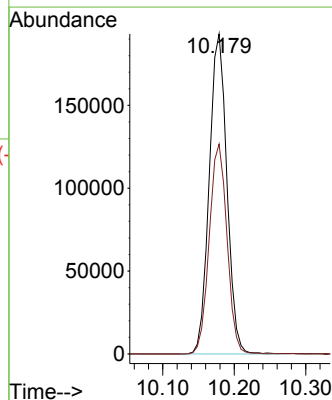
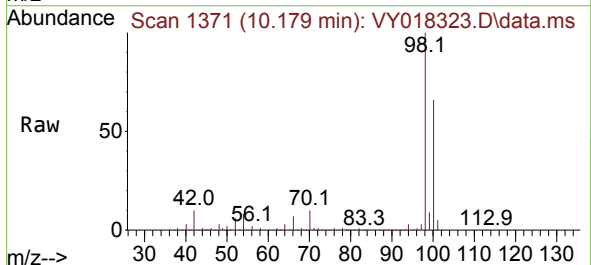
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

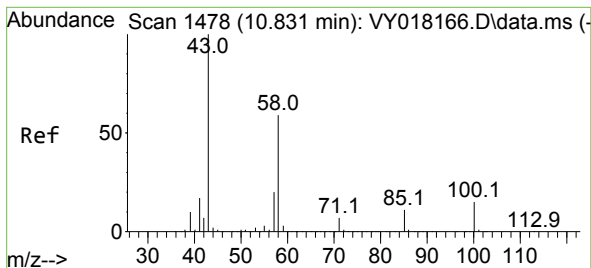
Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 201.3 0.0 0.0#
58 0.0 49.3 73.9#



#50
Toluene-d8
Concen: 55.364 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY018323.D
Acq: 20 May 2024 10:18

Tgt Ion: 98 Resp: 330959
Ion Ratio Lower Upper
98 100
100 66.0 52.0 78.0

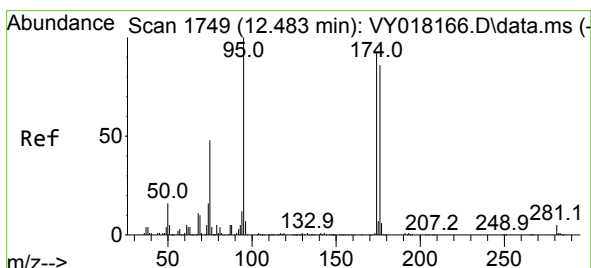
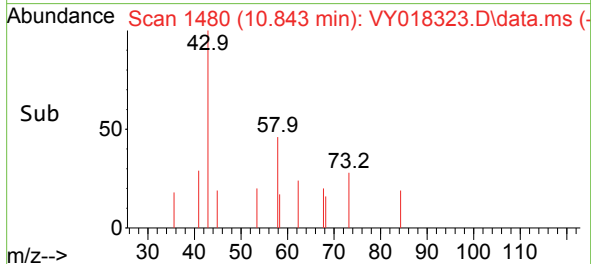
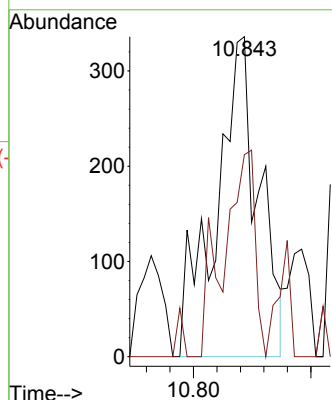
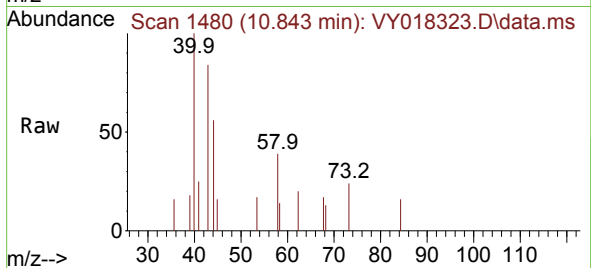




#59
2-Hexanone
Concen: 1.295 ug/l
RT: 10.843 min Scan# 1478
Delta R.T. 0.012 min
Lab File: VY018323.D
Acq: 20 May 2024 10:18

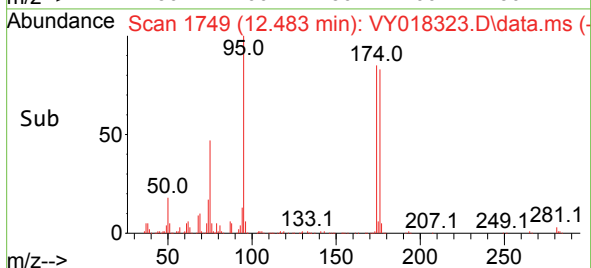
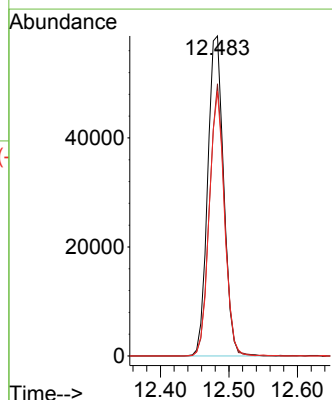
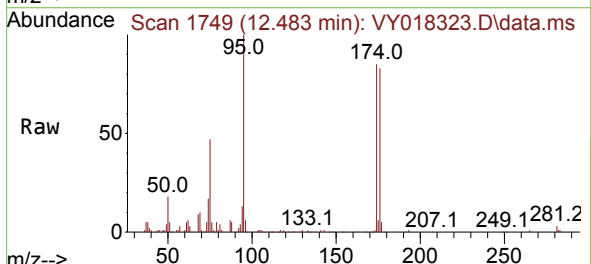
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

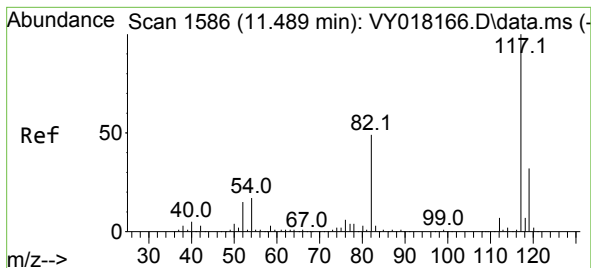
Tgt Ion: 43 Resp: 854
Ion Ratio Lower Upper
43 100
58 46.8 31.4 94.0



#62
4-Bromofluorobenzene
Concen: 49.393 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018323.D
Acq: 20 May 2024 10:18

Tgt Ion: 95 Resp: 95352
Ion Ratio Lower Upper
95 100
174 80.0 0.0 175.6
176 78.4 0.0 171.4

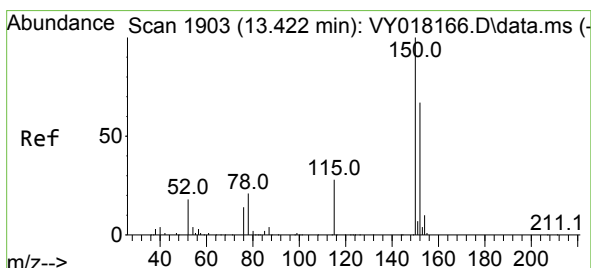
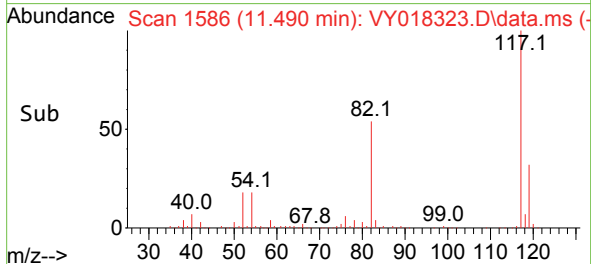
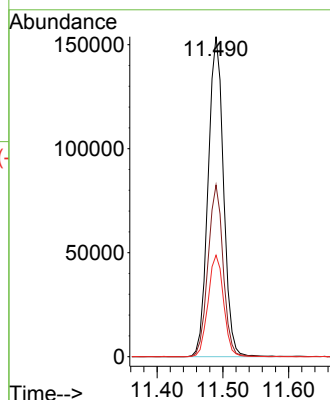
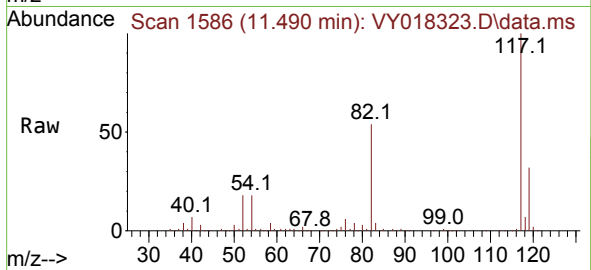




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018323.D
Acq: 20 May 2024 10:18

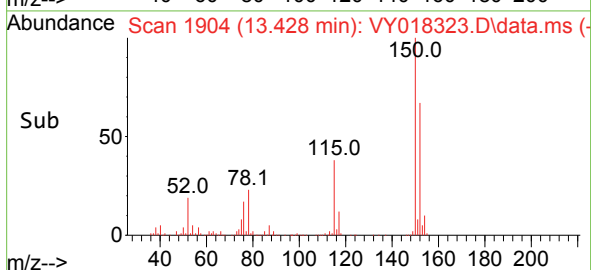
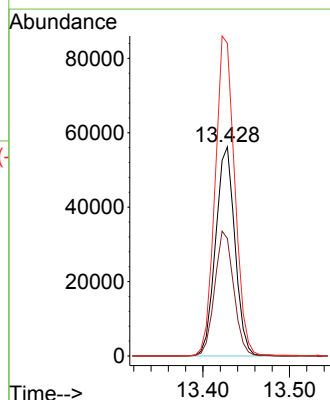
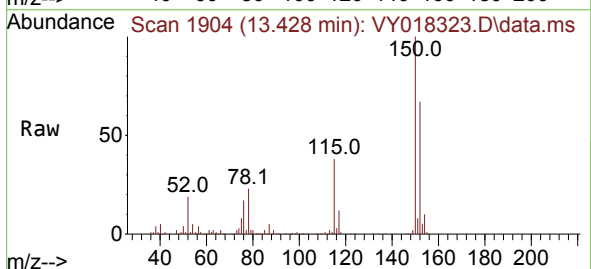
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

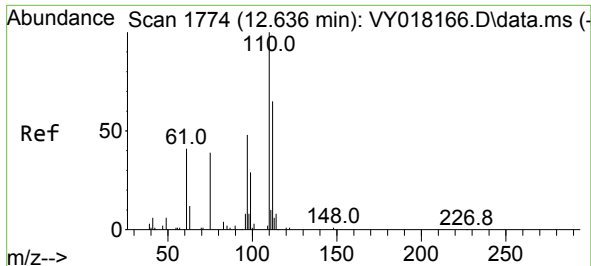
Tgt Ion:117 Resp: 250611
Ion Ratio Lower Upper
117 100
82 53.7 42.4 63.6
119 31.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY018323.D
Acq: 20 May 2024 10:18

Tgt Ion:152 Resp: 87052
Ion Ratio Lower Upper
152 100
115 58.9 28.2 84.7
150 155.8 0.0 345.6

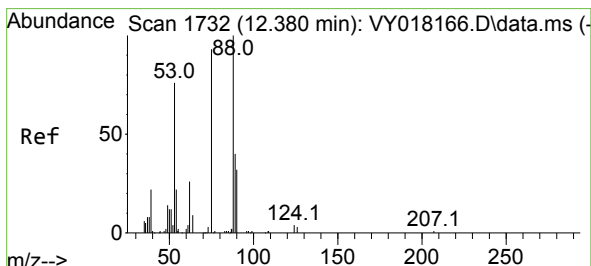
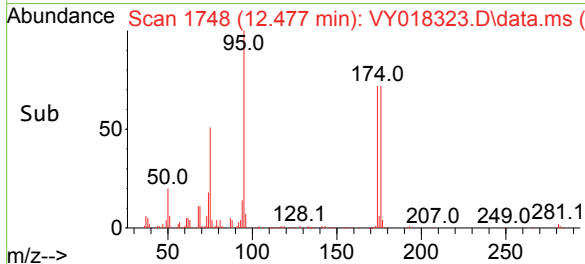
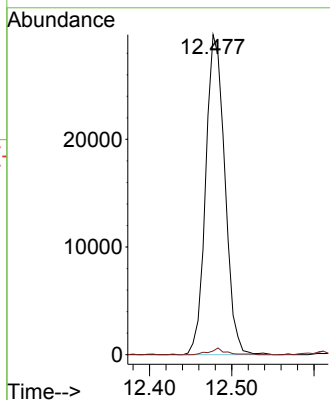
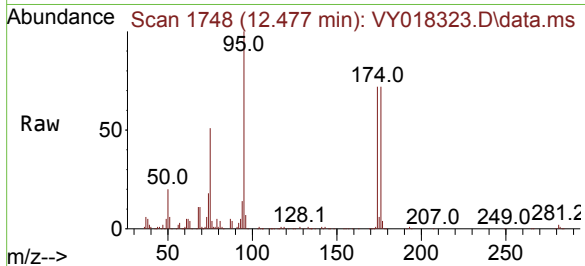




#76
1,2,3-Trichloropropane
Concen: 68.927 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY018323.D
Acq: 20 May 2024 10:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Tgt Ion: 75 Resp: 48028
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.799 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY018323.D
Acq: 20 May 2024 10:18

Tgt Ion: 75 Resp: 48028
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#

