

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050824\
 Data File : VY018192.D
 Acq On : 08 May 2024 16:47
 Operator : SY/MD
 Sample : P2395-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 09 02:28:24 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)

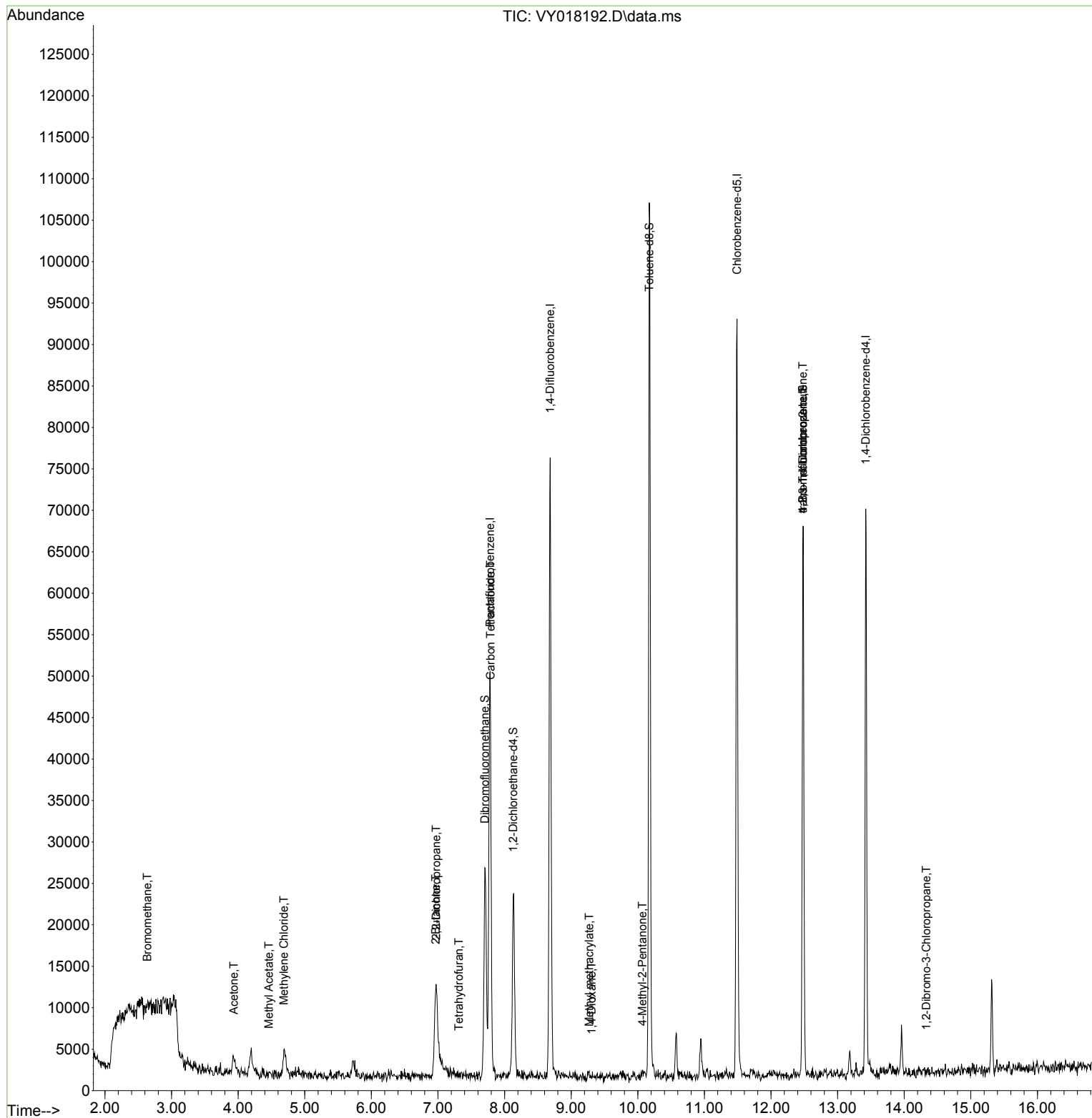
Internal Standards						
1) Pentafluorobenzene	7.783	168	39270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	67849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	52439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	18181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	15773	54.597	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 109.200%		
35) Dibromofluoromethane	7.704	113	19296	54.114	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery	= 108.220%		
50) Toluene-d8	10.173	98	73022	51.968	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery	= 103.940%		
62) 4-Bromofluorobenzene	12.477	95	19769	43.565	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery	= 87.140%		
Target Compounds						Qvalue
5) Bromomethane	2.637	94	495	1.410	ug/l #	41
11) Tert butyl alcohol	4.960	59	179	Below Cal	#	1
13) Acrolein	3.704	56	79	Below Cal	#	83
16) Acetone	3.936	43	3373	58.506	ug/l	95
18) Methyl Acetate	4.460	43	295	1.796	ug/l #	46
20) Methylene Chloride	4.686	84	893	2.191	ug/l #	77
25) 2-Butanone	6.966	43	590	6.402	ug/l #	41
26) 2,2-Dichloropropane	6.972	77	885	1.549	ug/l #	72
29) Tetrahydrofuran	7.313	42	148	2.433	ug/l #	41
31) Cyclohexane	7.777	56	1150	Below Cal	#	48
38) Carbon Tetrachloride	7.789	117	3913	7.006	ug/l #	18
48) Methyl methacrylate	9.270	41	313	1.549	ug/l #	19
49) 1,4-Dioxane	9.307	88	29	10.572	ug/l #	20
51) 4-Methyl-2-Pentanone	10.069	43	702	3.167	ug/l #	55
76) 1,2,3-Trichloropropane	12.477	75	9640	66.242	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	9640	127.626	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.330	75	38	1.283	ug/l #	1

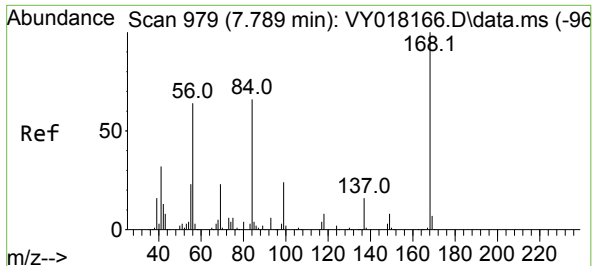
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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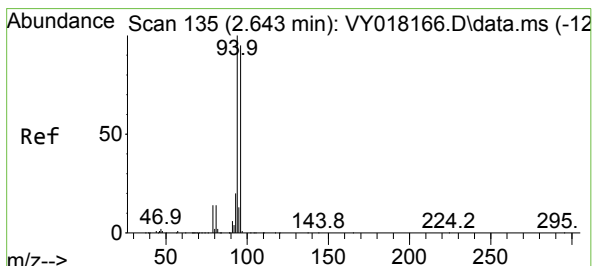
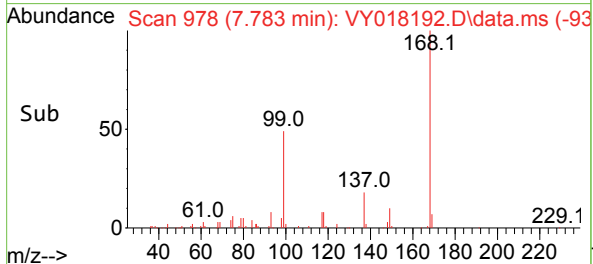
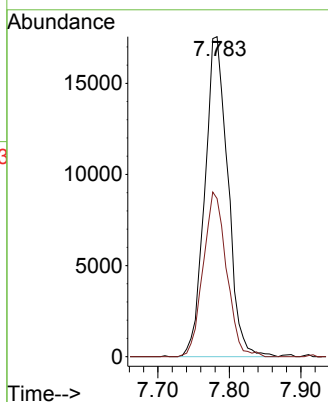
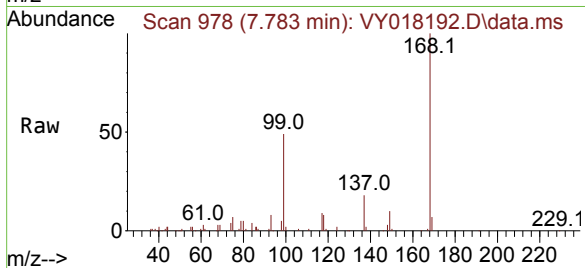




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018192.D
Acq: 08 May 2024 16:47

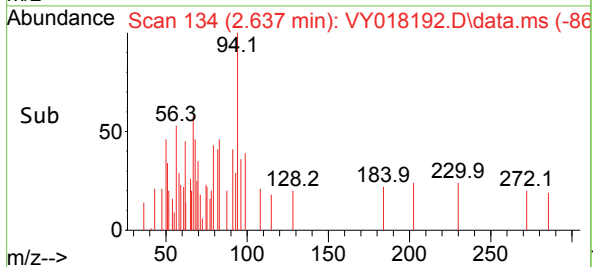
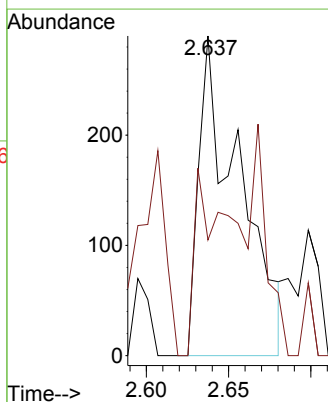
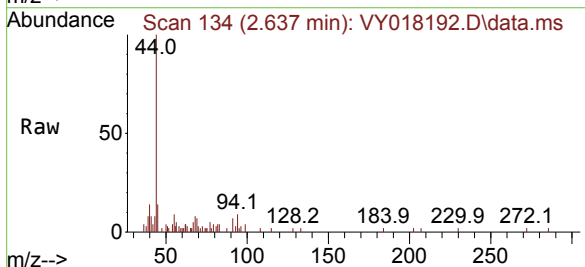
Instrument :
MSVOA_Y
ClientSampleId :

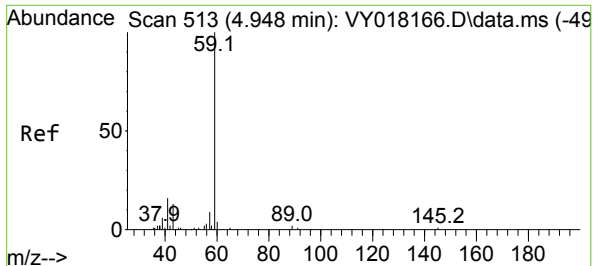
Tgt Ion:168 Resp: 39270
Ion Ratio Lower Upper
168 100
99 49.4 39.1 58.7



#5
Bromomethane
Concen: 1.410 ug/l
RT: 2.637 min Scan# 134
Delta R.T. -0.006 min
Lab File: VY018192.D
Acq: 08 May 2024 16:47

Tgt Ion: 94 Resp: 495
Ion Ratio Lower Upper
94 100
96 36.2 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.960 min Scan# 51

Delta R.T. 0.012 min

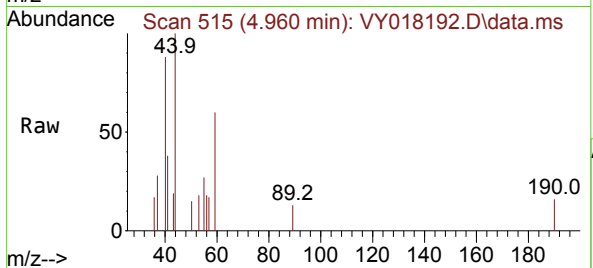
Lab File: VY018192.D

Acq: 08 May 2024 16:47

Instrument :

MSVOA_Y

ClientSampleId :

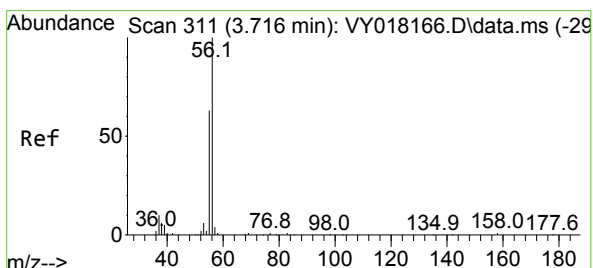
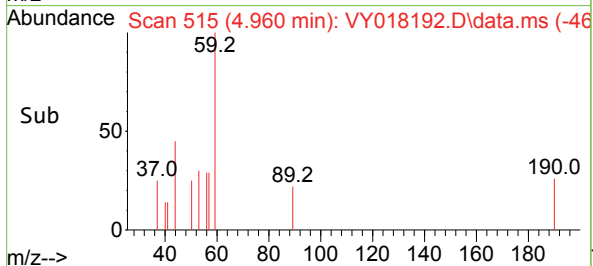
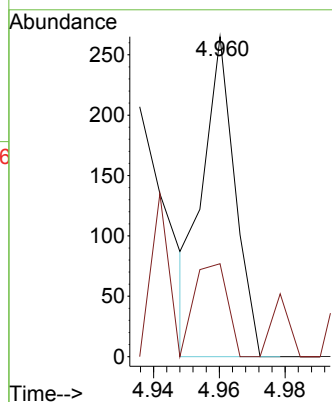


Tgt Ion: 59 Resp: 179

Ion Ratio Lower Upper

59 100

57 58.1 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.704 min Scan# 309

Delta R.T. -0.012 min

Lab File: VY018192.D

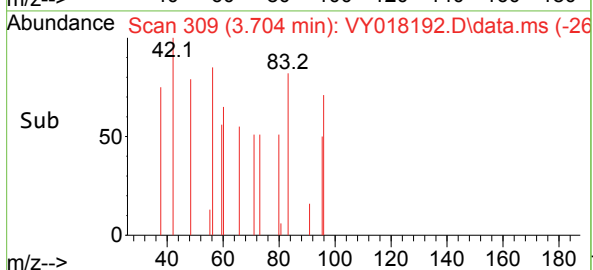
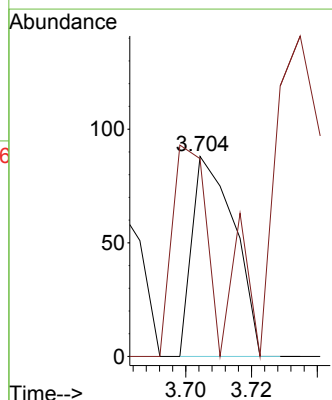
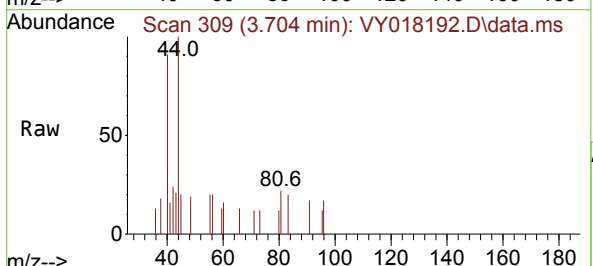
Acq: 08 May 2024 16:47

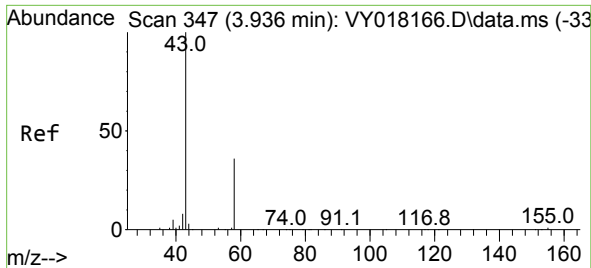
Tgt Ion: 56 Resp: 79

Ion Ratio Lower Upper

56 100

55 83.5 55.7 83.5#





#16

Acetone

Concen: 58.506 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY018192.D

Acq: 08 May 2024 16:47

Instrument :

MSVOA_Y

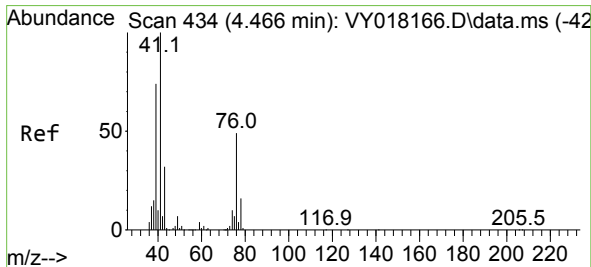
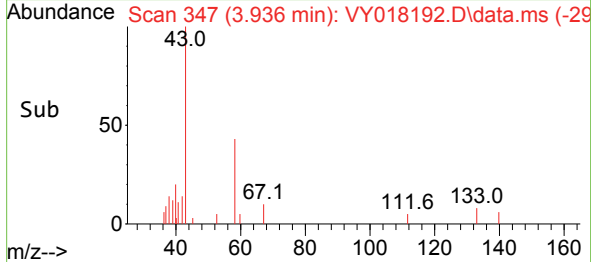
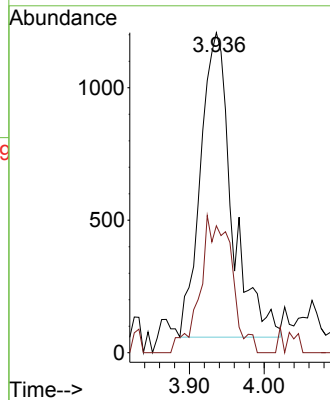
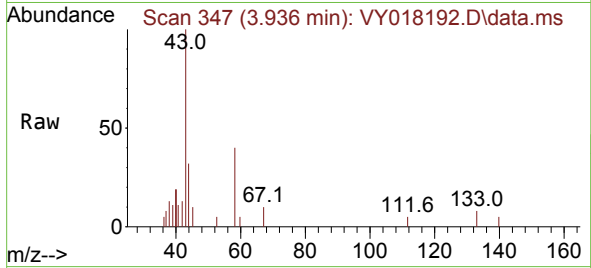
ClientSampleId :

Tgt Ion: 43 Resp: 3373

Ion Ratio Lower Upper

43 100

58 36.7 31.7 47.5



#18

Methyl Acetate

Concen: 1.796 ug/l

RT: 4.460 min Scan# 433

Delta R.T. -0.006 min

Lab File: VY018192.D

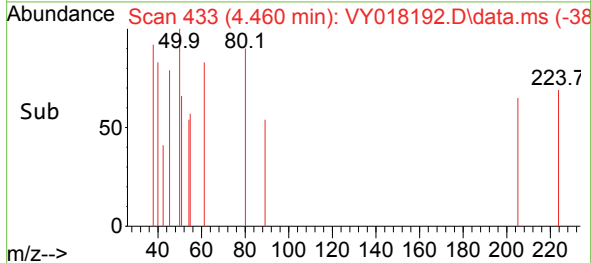
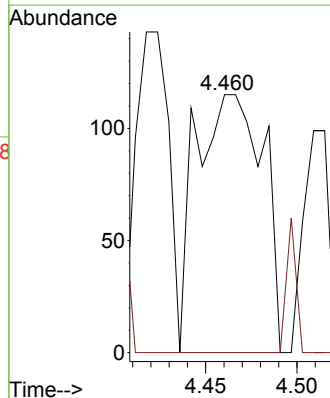
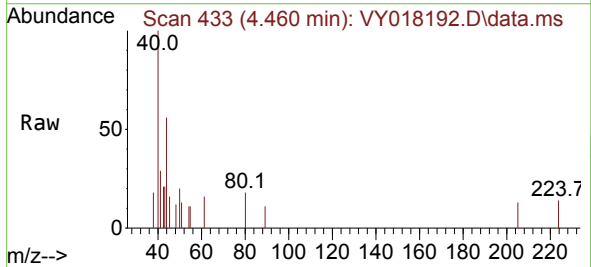
Acq: 08 May 2024 16:47

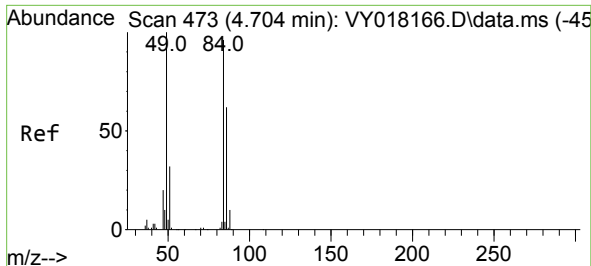
Tgt Ion: 43 Resp: 295

Ion Ratio Lower Upper

43 100

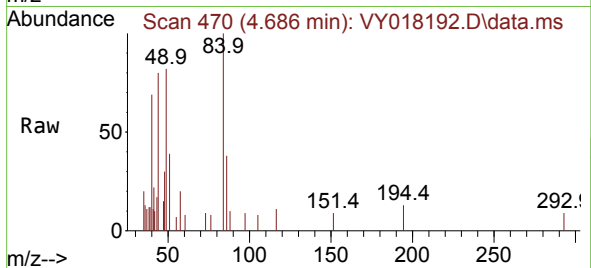
74 0.0 23.3 34.9#



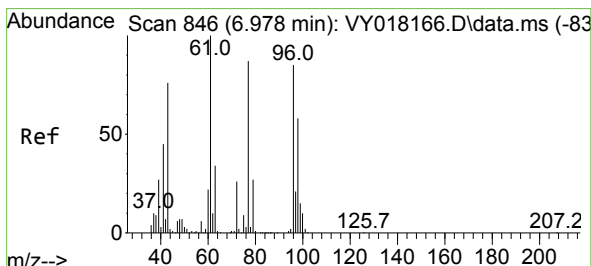
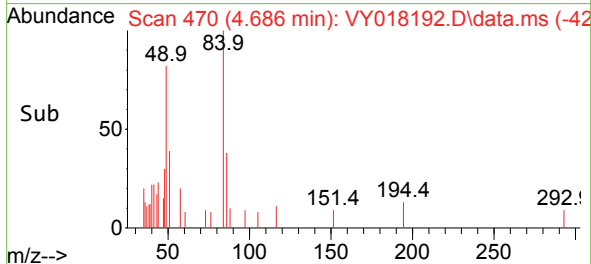
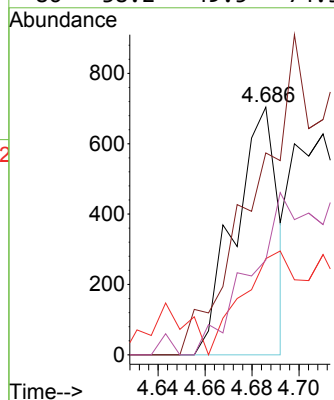


#20
Methylene Chloride
Concen: 2.191 ug/l
RT: 4.686 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY018192.D
Acq: 08 May 2024 16:47

Instrument :
MSVOA_Y
ClientSampleId :

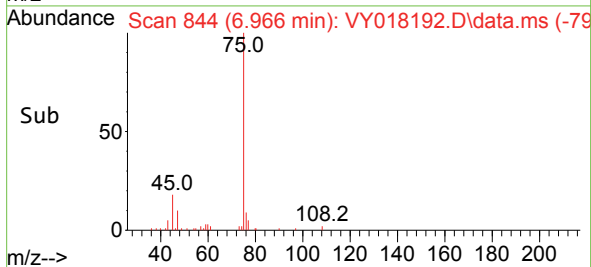
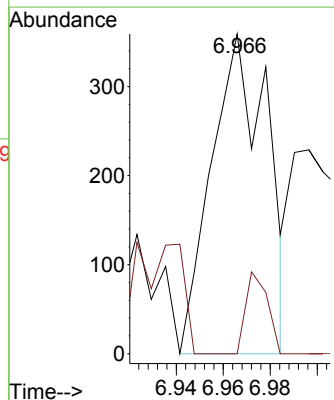
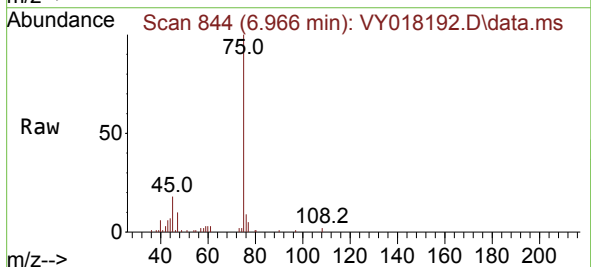


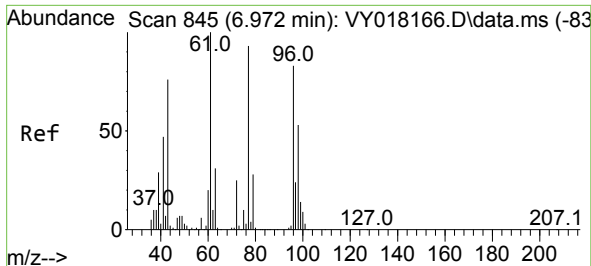
Tgt Ion:	84	Resp:	893
Ion	Ratio	Lower	Upper
84	100		
49	81.5	84.4	126.6#
51	28.6	26.0	39.0
86	38.2	49.5	74.3#



#25
2-Butanone
Concen: 6.402 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY018192.D
Acq: 08 May 2024 16:47

Tgt Ion:	43	Resp:	590
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#26

2,2-Dichloropropane

Concen: 1.549 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

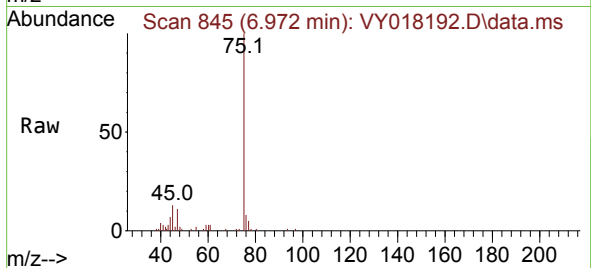
Lab File: VY018192.D

Acq: 08 May 2024 16:47

Instrument :

MSVOA_Y

ClientSampleId :

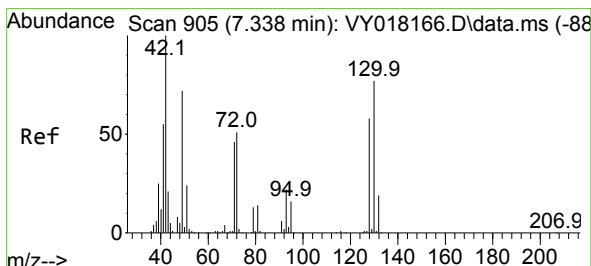
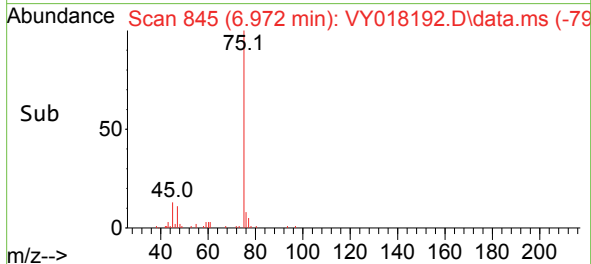
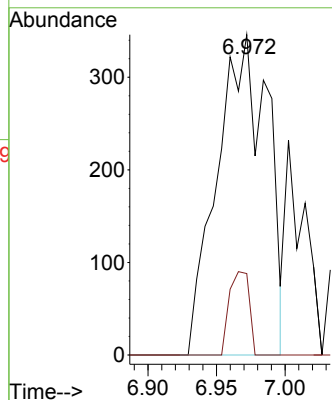


Tgt Ion: 77 Resp: 885

Ion Ratio Lower Upper

77 100

97 10.3 12.0 36.1#



#29

Tetrahydrofuran

Concen: 2.433 ug/l

RT: 7.313 min Scan# 901

Delta R.T. -0.024 min

Lab File: VY018192.D

Acq: 08 May 2024 16:47

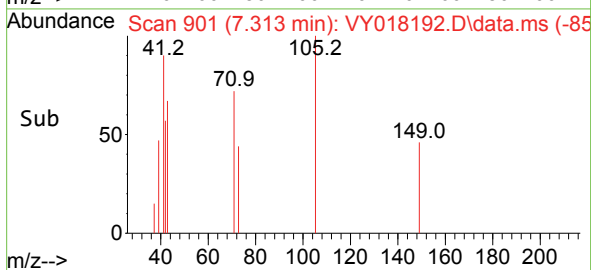
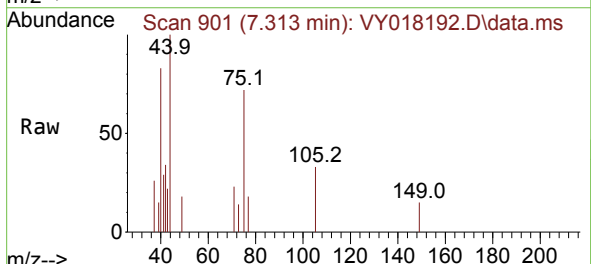
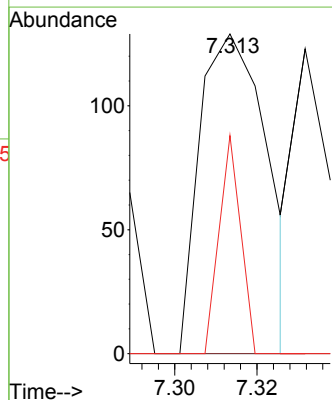
Tgt Ion: 42 Resp: 148

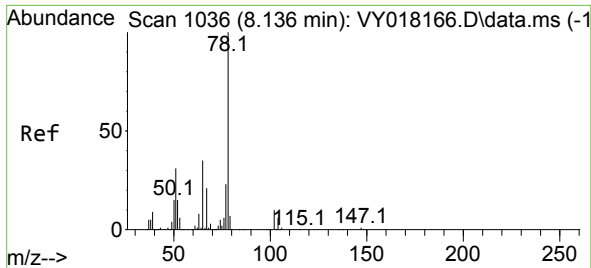
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 21.6 40.8 61.2#





#33

1,2-Dichloroethane-d4

Concen: 54.597 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY018192.D

Acq: 08 May 2024 16:47

Instrument :

MSVOA_Y

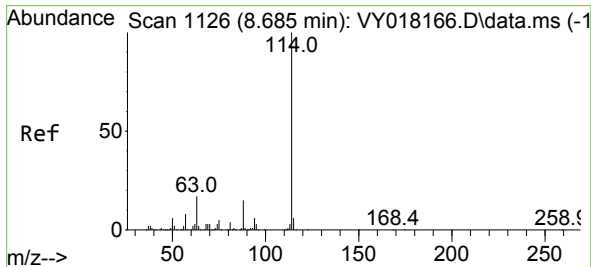
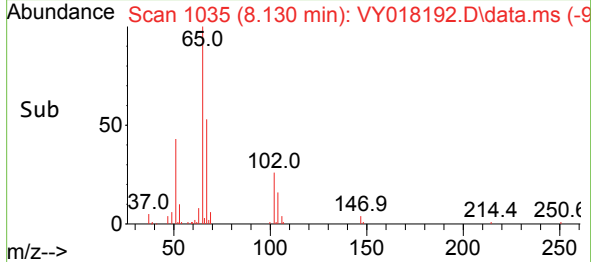
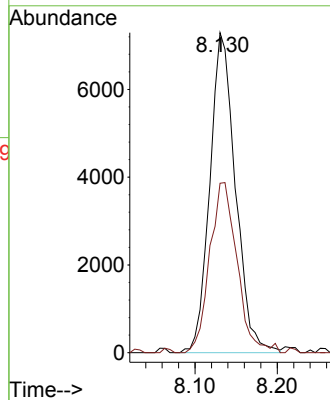
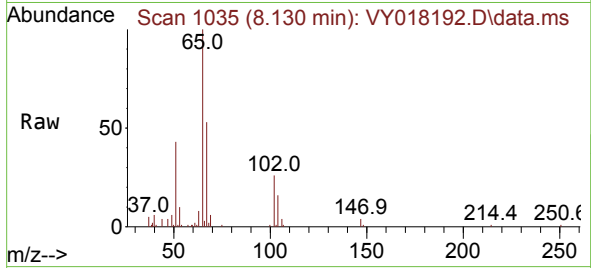
ClientSampleId :

Tgt Ion: 65 Resp: 15773

Ion Ratio Lower Upper

65 100

67 56.9 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: VY018192.D

Acq: 08 May 2024 16:47

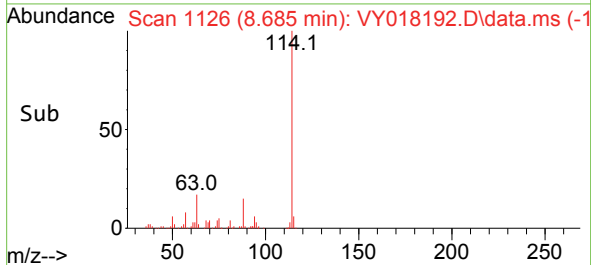
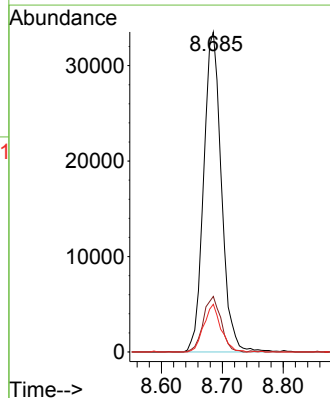
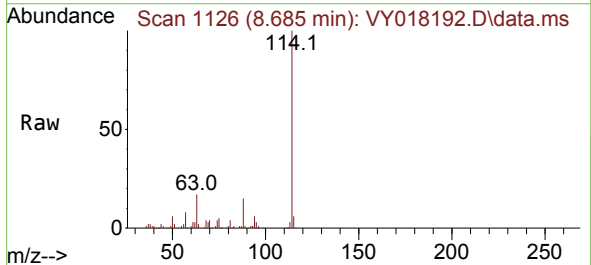
Tgt Ion: 114 Resp: 67849

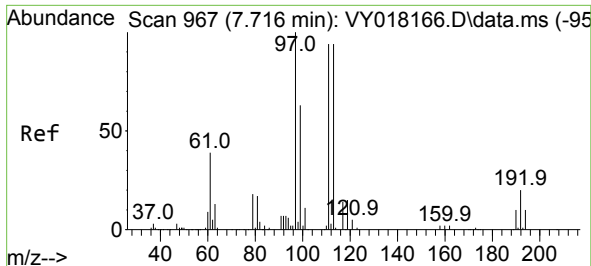
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

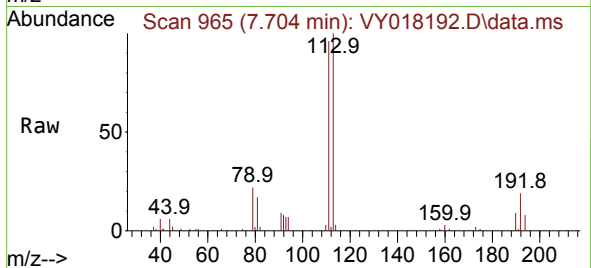
88 14.9 0.0 27.2



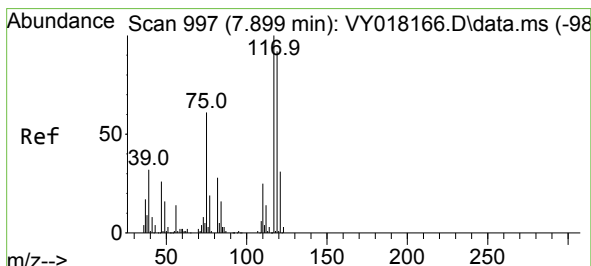
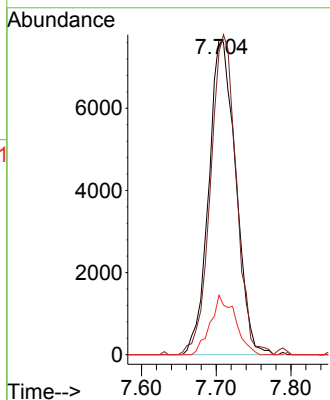
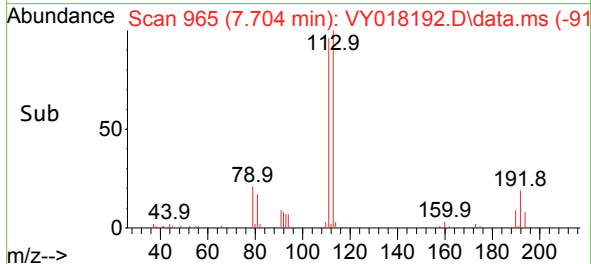


#35
Dibromofluoromethane
Concen: 54.114 ug/l
RT: 7.704 min Scan# 912
Delta R.T. -0.012 min
Lab File: VY018192.D
Acq: 08 May 2024 16:47

Instrument :
MSVOA_Y
ClientSampleId :

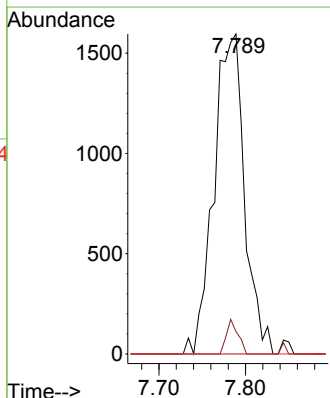
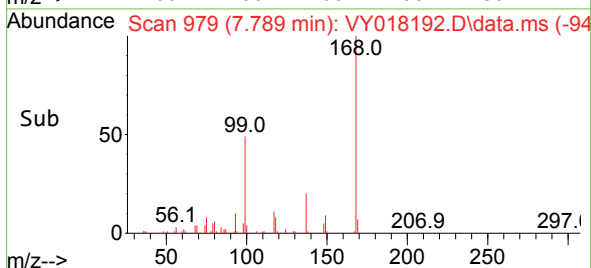
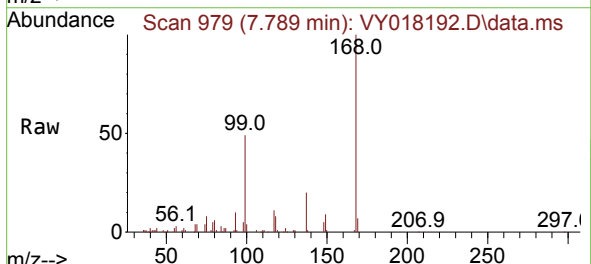


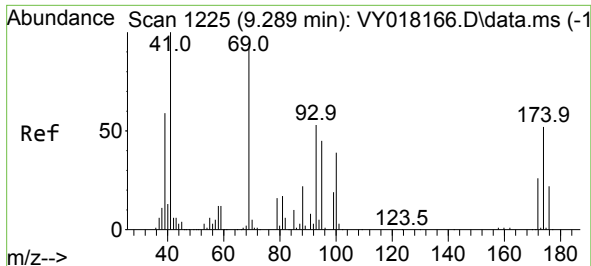
Tgt Ion:113 Resp: 19296
Ion Ratio Lower Upper
113 100
111 96.9 82.2 123.4
192 17.4 15.9 23.9



#38
Carbon Tetrachloride
Concen: 7.006 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY018192.D
Acq: 08 May 2024 16:47

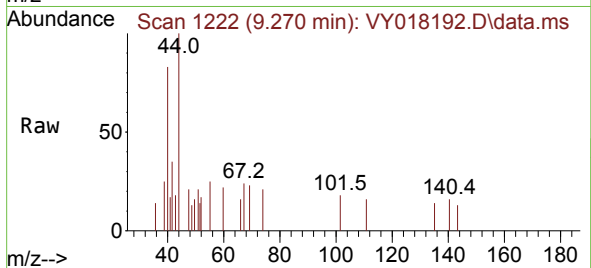
Tgt Ion:117 Resp: 3913
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.6#
121 0.0 24.0 36.0#



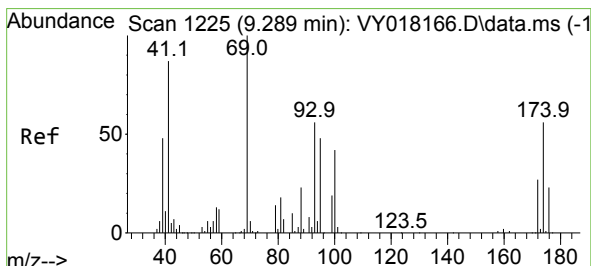
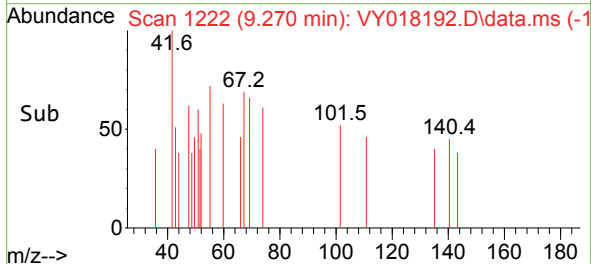
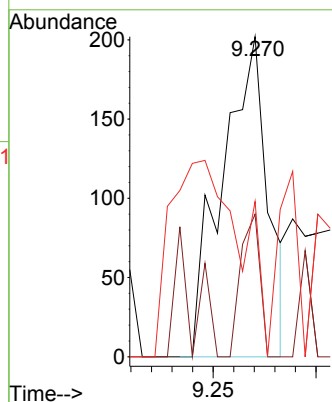


#48
Methyl methacrylate
Concen: 1.549 ug/l
RT: 9.270 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY018192.D
Acq: 08 May 2024 16:47

Instrument :
MSVOA_Y
ClientSampleId :

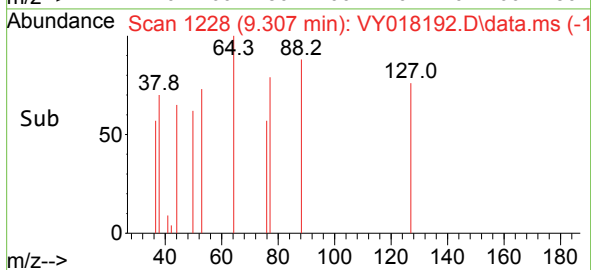
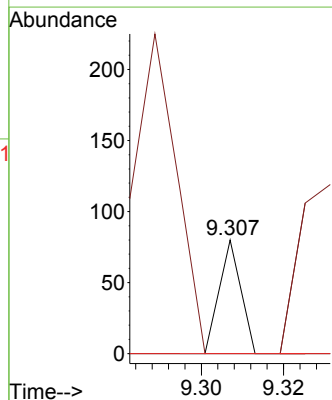
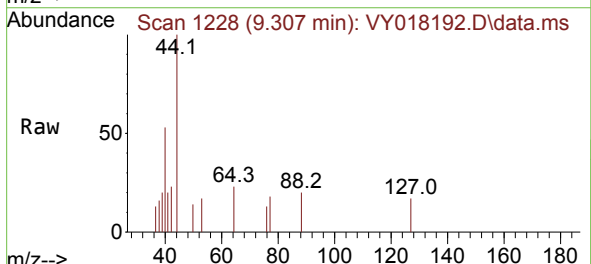


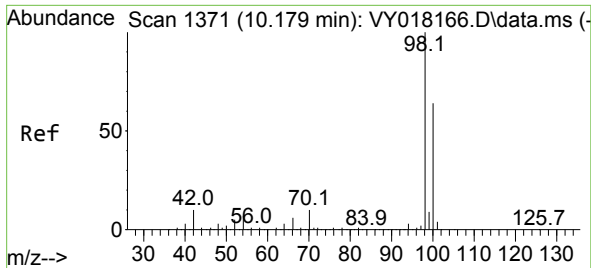
Tgt Ion: 41 Resp: 313
Ion Ratio Lower Upper
41 100
69 18.8 84.1 126.1#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 10.572 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. 0.018 min
Lab File: VY018192.D
Acq: 08 May 2024 16:47

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 569.0 0.0 0.0#
58 0.0 49.3 73.9#

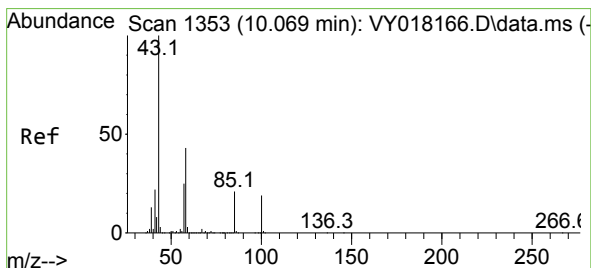
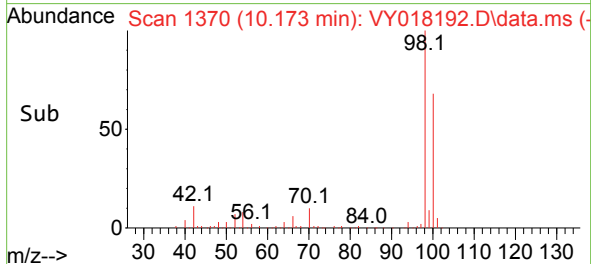
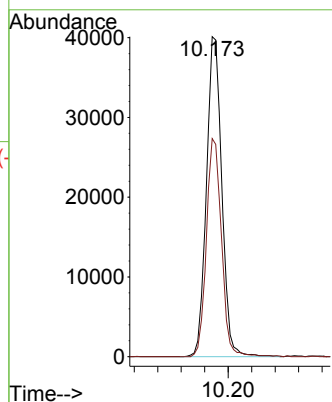
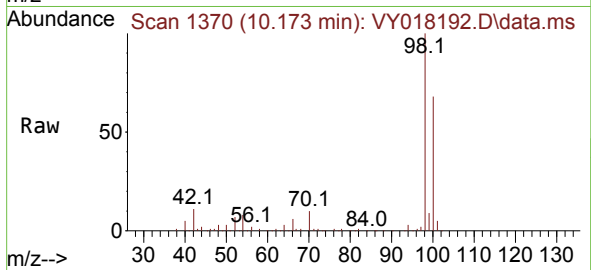




#50
Toluene-d8
Concen: 51.968 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018192.D
Acq: 08 May 2024 16:47

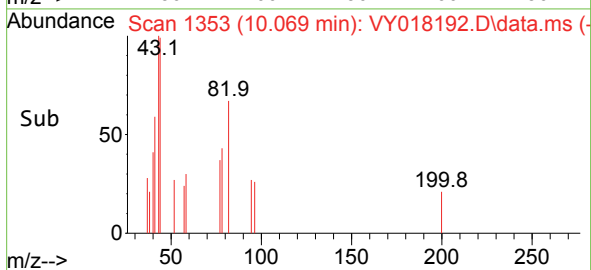
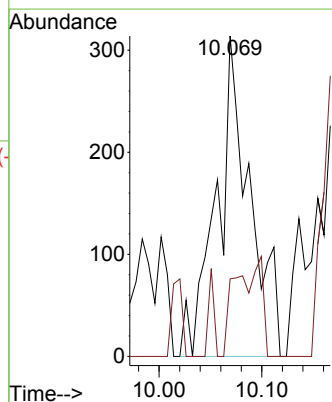
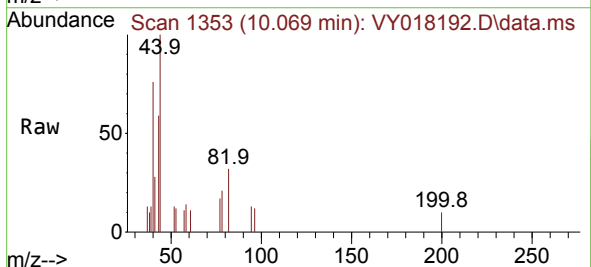
Instrument :
MSVOA_Y
ClientSampleId :

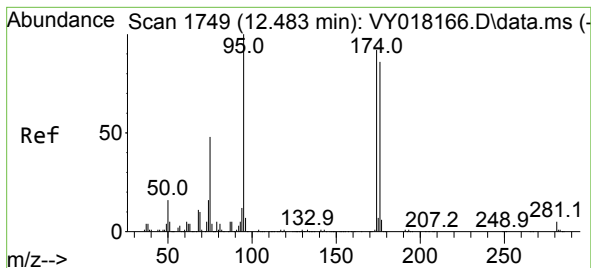
Tgt Ion: 98 Resp: 73022
Ion Ratio Lower Upper
98 100
100 67.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.167 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY018192.D
Acq: 08 May 2024 16:47

Tgt Ion: 43 Resp: 702
Ion Ratio Lower Upper
43 100
58 15.4 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 43.565 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

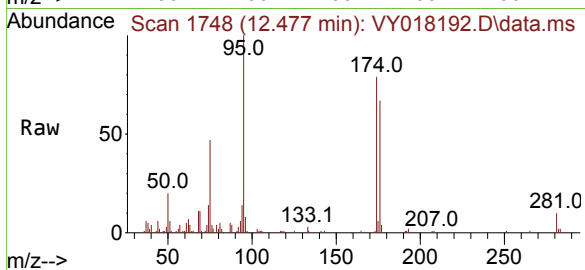
Lab File: VY018192.D

Acq: 08 May 2024 16:47

Instrument :

MSVOA_Y

ClientSampleId :



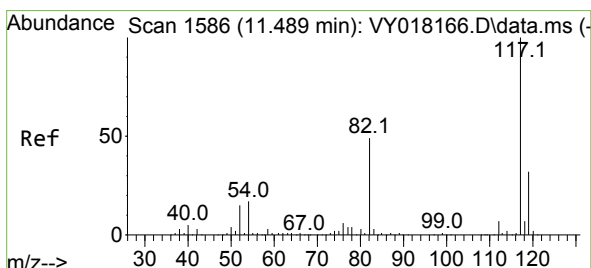
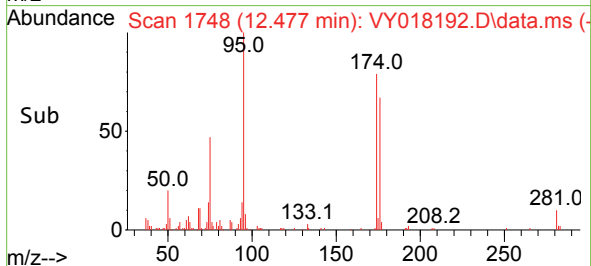
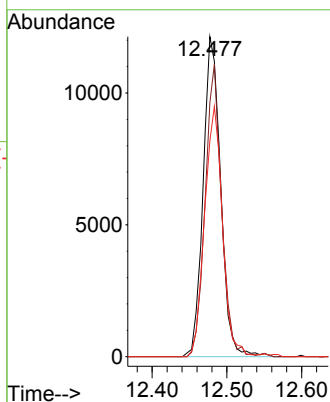
Tgt Ion: 95 Resp: 19769

Ion Ratio Lower Upper

95 100

174 85.7 0.0 175.6

176 80.1 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: VY018192.D

Acq: 08 May 2024 16:47

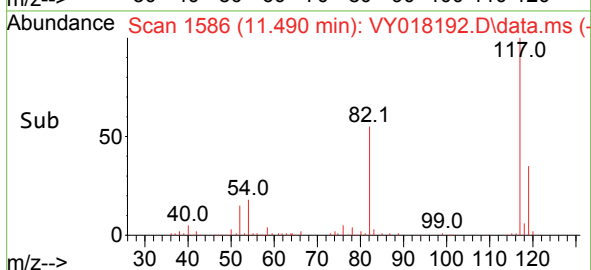
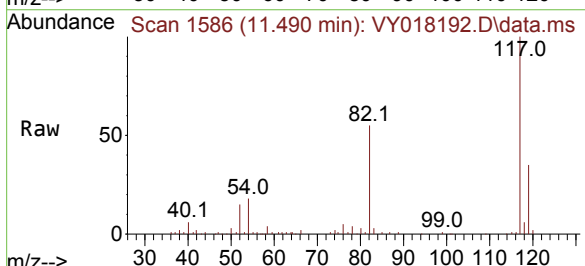
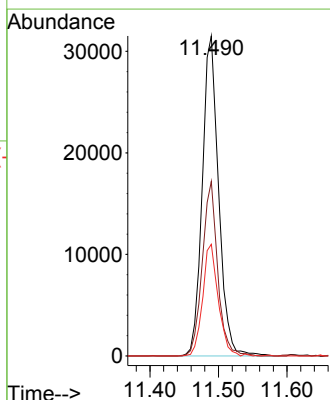
Tgt Ion: 117 Resp: 52439

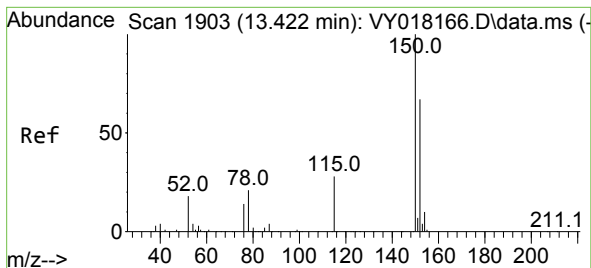
Ion Ratio Lower Upper

117 100

82 54.5 42.4 63.6

119 34.9 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

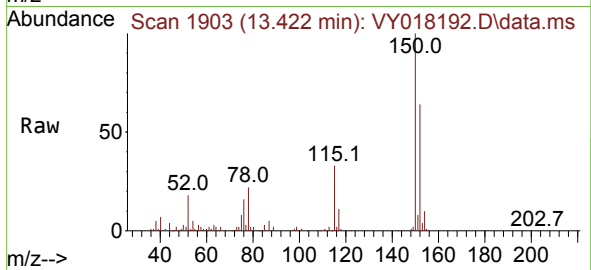
Lab File: VY018192.D

Acq: 08 May 2024 16:47

Instrument :

MSVOA_Y

ClientSampleId :



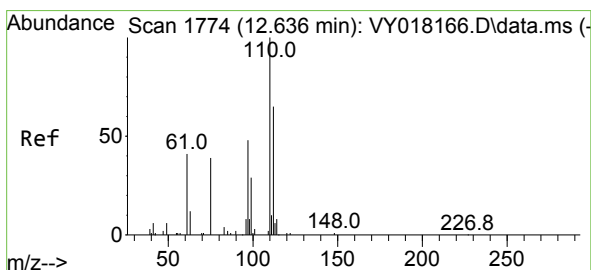
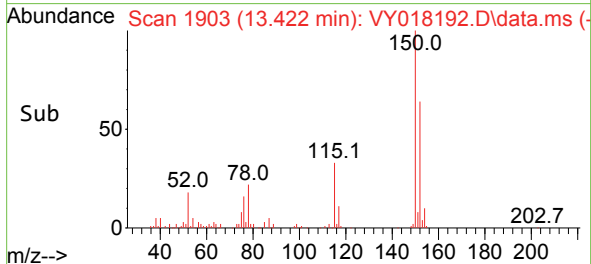
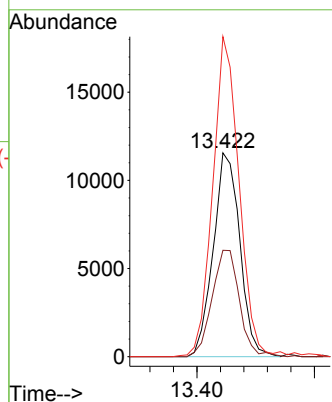
Tgt Ion:152 Resp: 18181

Ion Ratio Lower Upper

152 100

115 53.6 28.2 84.7

150 156.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 66.242 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY018192.D

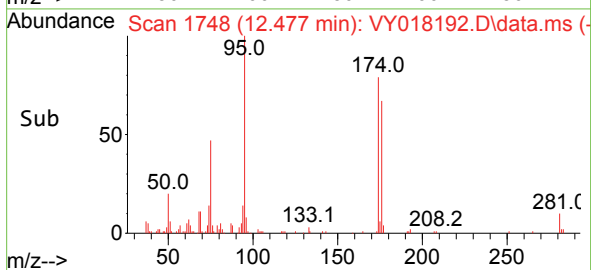
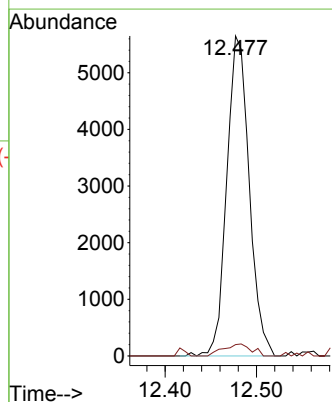
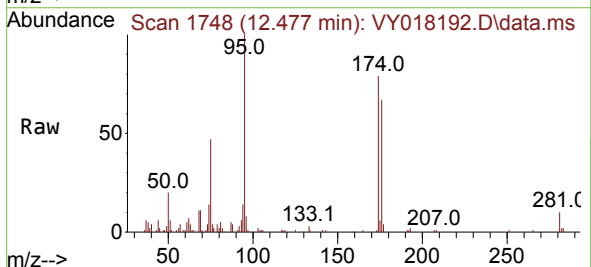
Acq: 08 May 2024 16:47

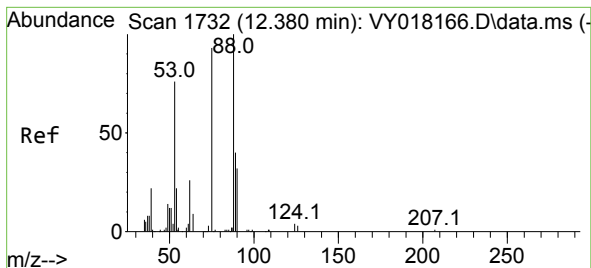
Tgt Ion: 75 Resp: 9640

Ion Ratio Lower Upper

75 100

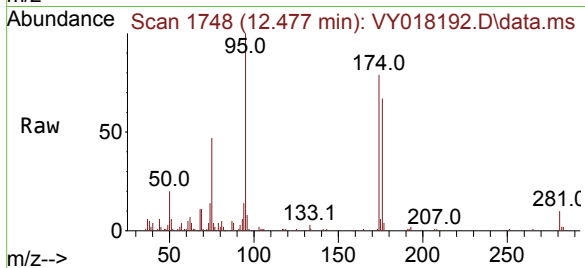
77 4.6 0.0 0.0#



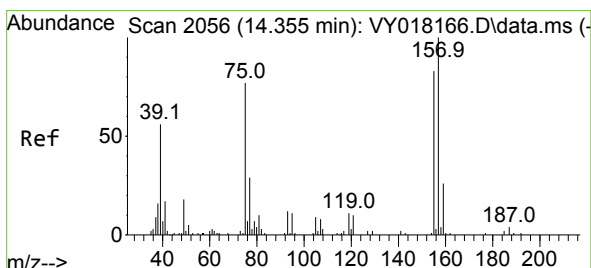
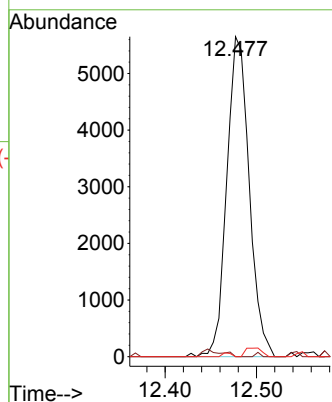
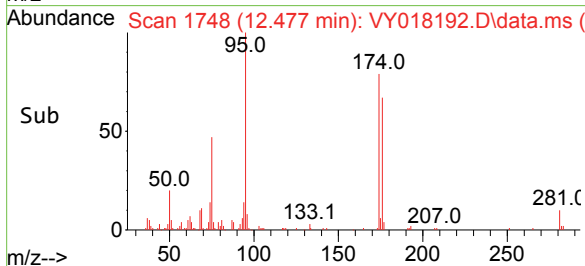


#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.626 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY018192.D
 Acq: 08 May 2024 16:47

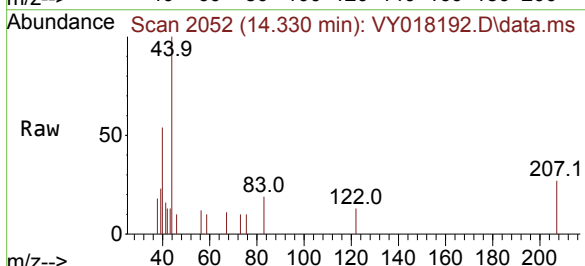
Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 9640
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.5 35.8 53.6#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.283 ug/l
 RT: 14.330 min Scan# 2052
 Delta R.T. -0.024 min
 Lab File: VY018192.D
 Acq: 08 May 2024 16:47



Tgt Ion: 75 Resp: 38
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.6 145.8#
 157 0.0 62.7 188.2#

