

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061722\
 Data File : VY009221.D
 Acq On : 17 Jun 2022 12:57
 Operator : KP/MD
 Sample : N3367-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 17 22:52:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 16 02:54:06 2022
 Response via : Initial Calibration

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

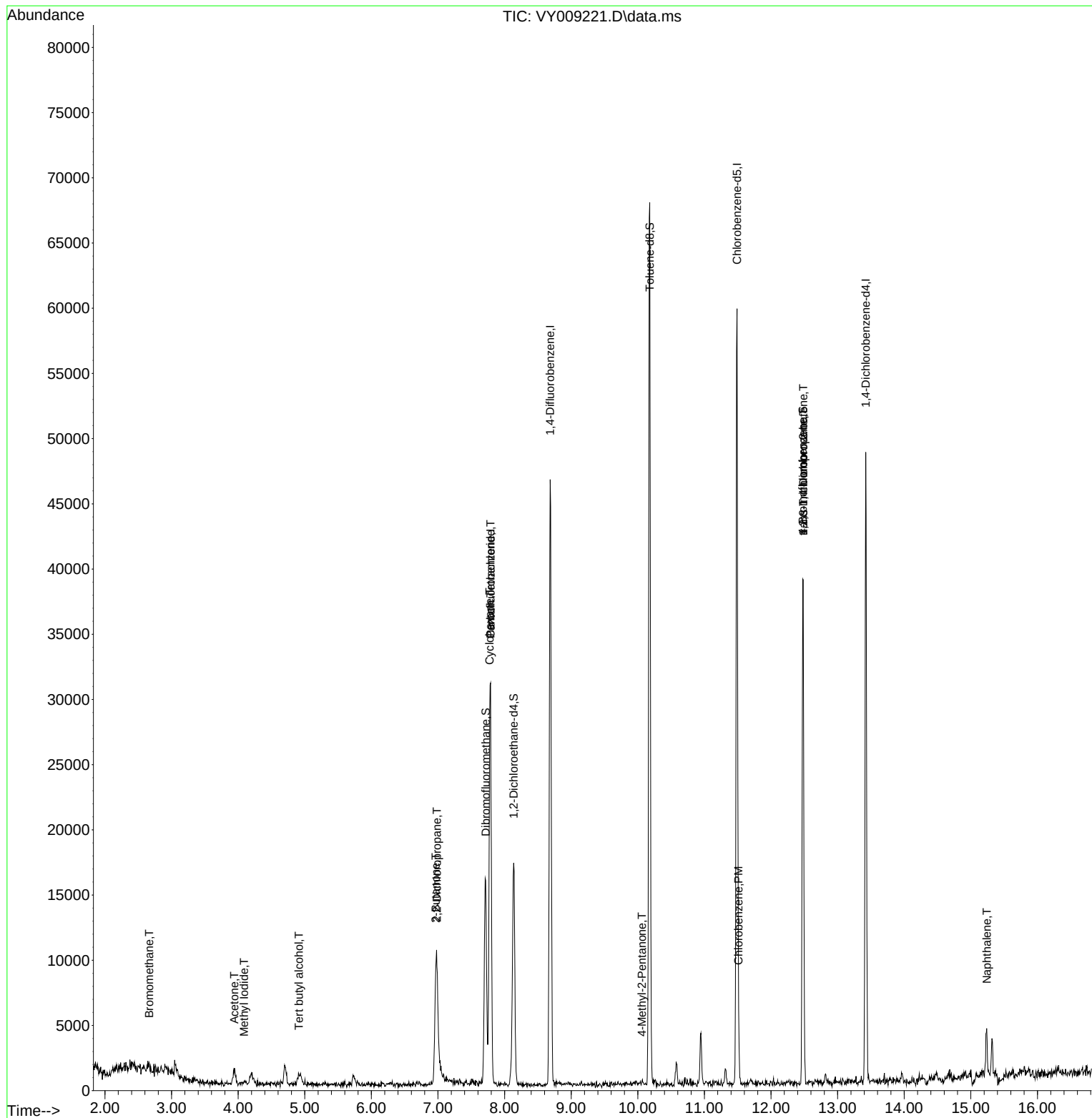
Internal Standards						
1) Pentafluorobenzene	7.789	168	25099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	39088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	31982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	12278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	12746	48.615	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.220%
35) Dibromofluoromethane	7.715	113	11274	46.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.000%
50) Toluene-d8	10.178	98	44684	47.899	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.800%
62) 4-Bromofluorobenzene	12.477	95	11671	35.206	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	70.420%
Target Compounds						
					Qvalue	
5) Bromomethane	2.661	94	178	1.025	ug/l #	75
10) Methyl Iodide	4.088	142	388	1.252	ug/l #	35
11) Tert butyl alcohol	4.911	59	1167	28.056	ug/l #	77
16) Acetone	3.942	43	1984	30.041	ug/l	96
18) Methyl Acetate	4.460	43	49	Below Cal	#	56
20) Methylene Chloride	4.692	84	538	Below Cal	#	23
25) 2-Butanone	6.966	43	449	4.296	ug/l #	54
26) 2,2-Dichloropropane	6.984	77	752	1.690	ug/l #	55
31) Cyclohexane	7.776	56	612	1.303	ug/l #	20
38) Carbon Tetrachloride	7.789	117	2454	6.295	ug/l #	16
51) 4-Methyl-2-Pentanone	10.063	43	365	1.672	ug/l #	66
65) Chlorobenzene	11.514	112	1409	2.034	ug/l #	79
76) 1,2,3-Trichloropropane	12.483	75	6132	45.231	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6132	90.141	ug/l #	8
95) Naphthalene	15.238	128	3484	6.709	ug/l #	95

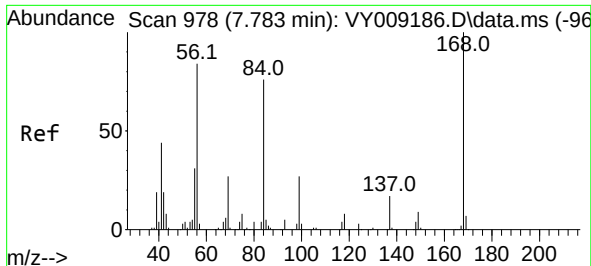
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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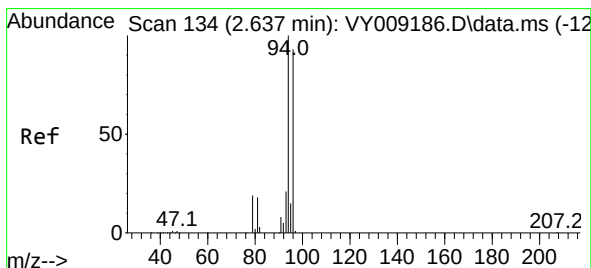
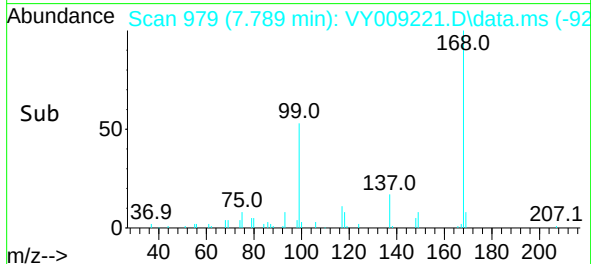
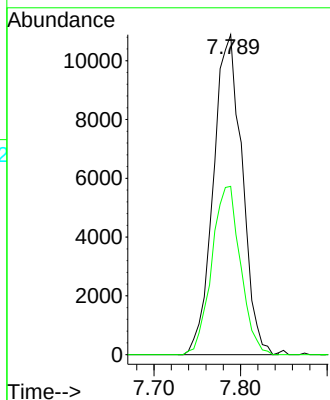
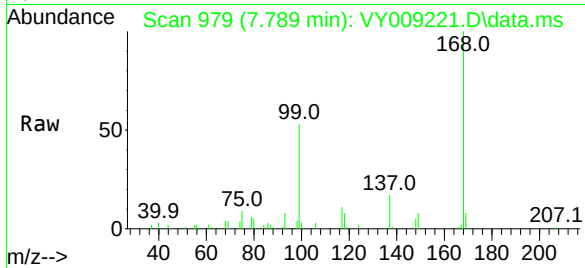




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009221.D
Acq: 17 Jun 2022 12:57

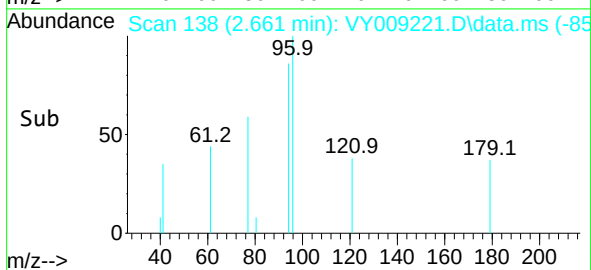
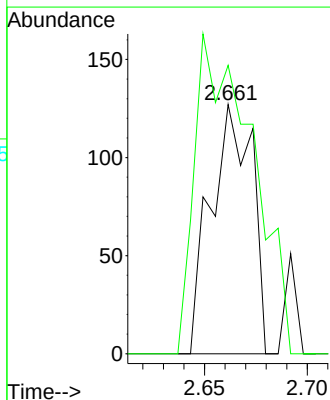
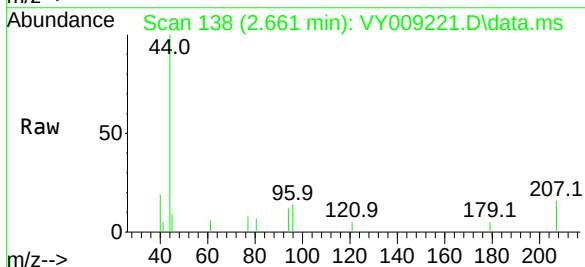
Instrument :
MSVOA_Y
ClientSampleId :

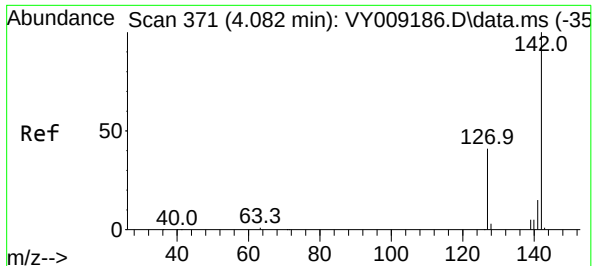
Tgt Ion:168 Resp: 25099
Ion Ratio Lower Upper
168 100
99 52.6 46.9 70.3



#5
Bromomethane
Concen: 1.025 ug/l
RT: 2.661 min Scan# 138
Delta R.T. 0.024 min
Lab File: VY009221.D
Acq: 17 Jun 2022 12:57

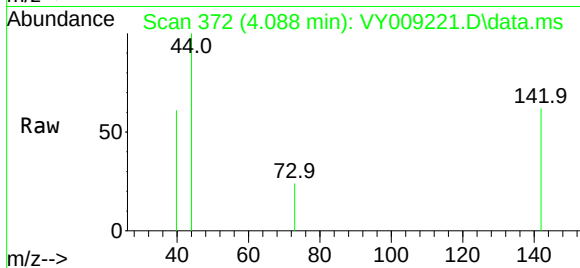
Tgt Ion: 94 Resp: 178
Ion Ratio Lower Upper
94 100
96 115.7 73.5 110.3#



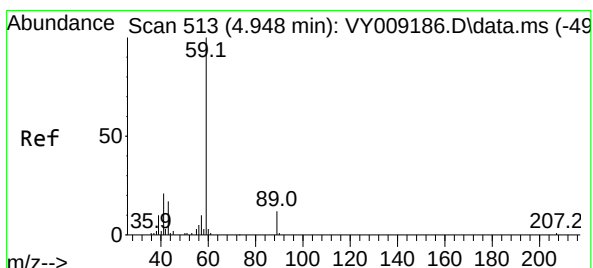
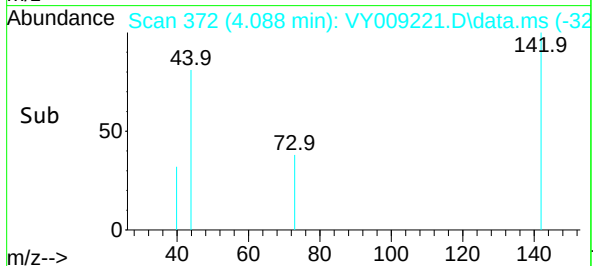
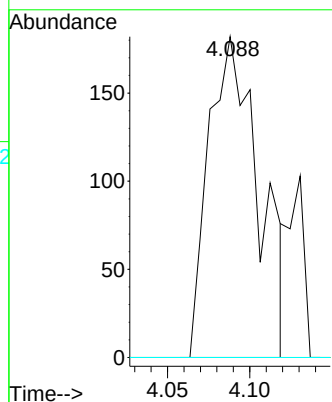


#10
Methyl Iodide
Concen: 1.252 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY009221.D
Acq: 17 Jun 2022 12:57

Instrument :
MSVOA_Y
ClientSampleId :

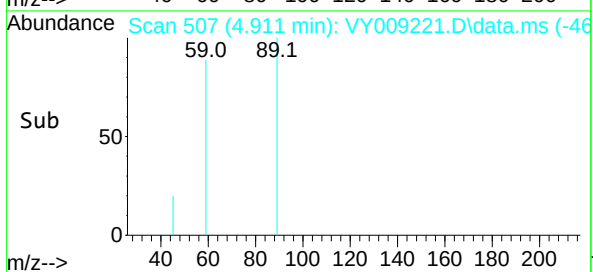
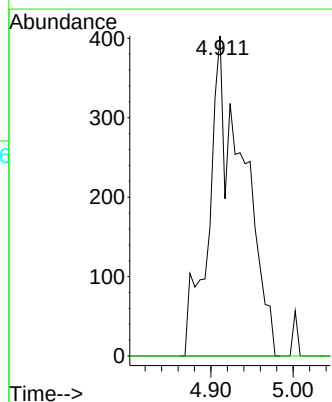
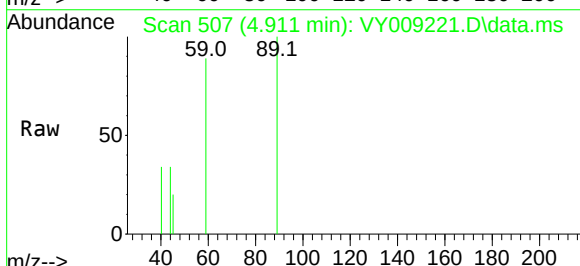


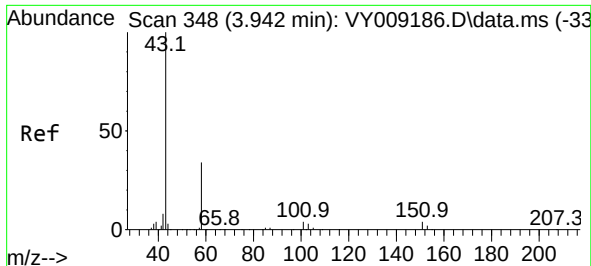
Tgt Ion:142 Resp: 388
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: 28.056 ug/l
RT: 4.911 min Scan# 507
Delta R.T. -0.037 min
Lab File: VY009221.D
Acq: 17 Jun 2022 12:57

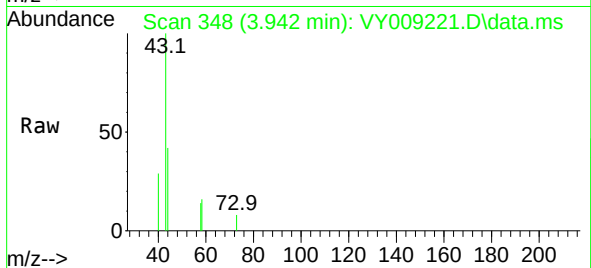
Tgt Ion: 59 Resp: 1167
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



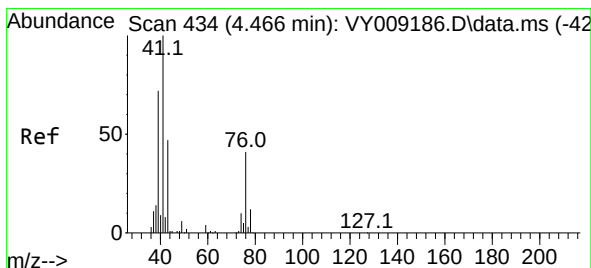
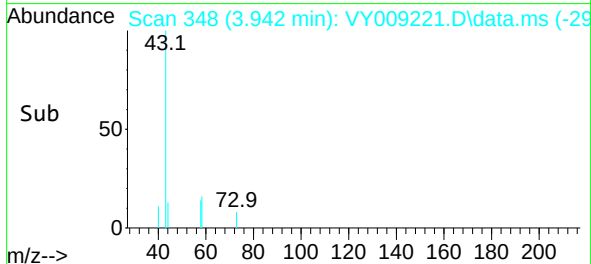
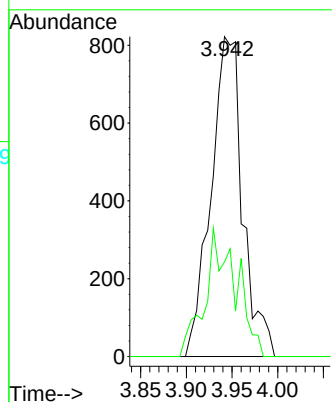


#16
Acetone
Concen: 30.041 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY009221.D
Acq: 17 Jun 2022 12:57

Instrument :
MSVOA_Y
ClientSampleId :

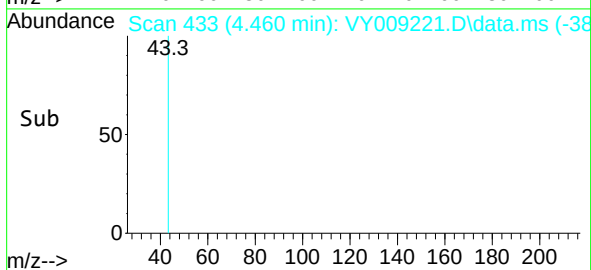
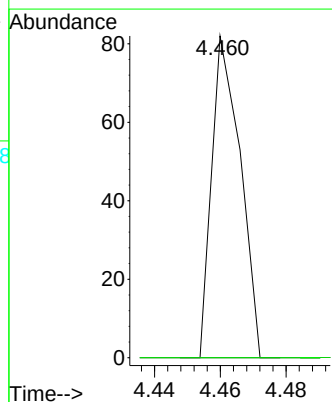
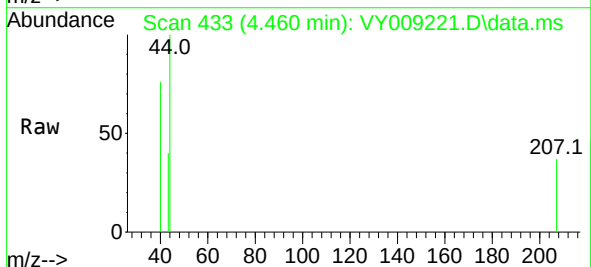


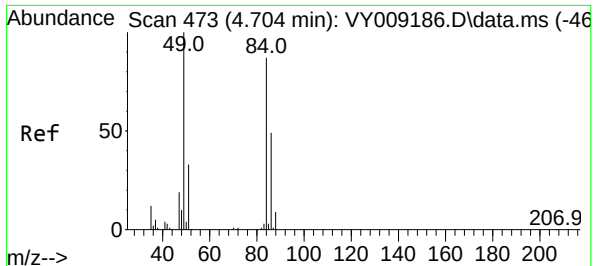
Tgt Ion: 43 Resp: 1984
Ion Ratio Lower Upper
43 100
58 29.6 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 433
Delta R.T. -0.006 min
Lab File: VY009221.D
Acq: 17 Jun 2022 12:57

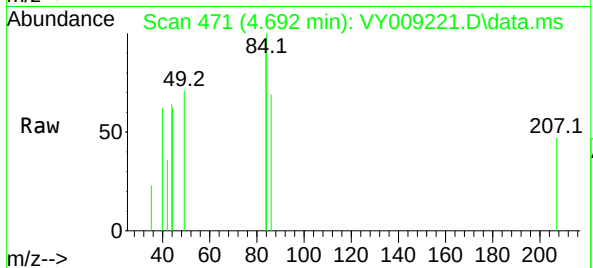
Tgt Ion: 43 Resp: 49
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



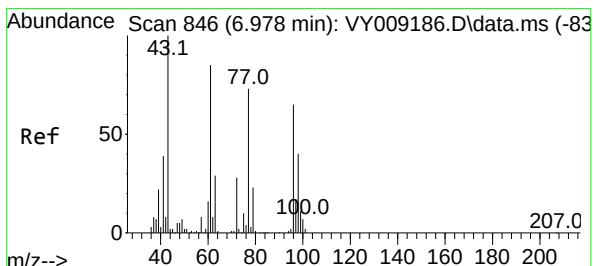
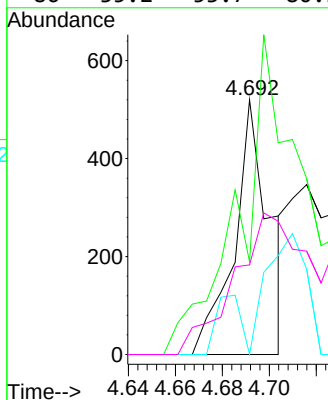
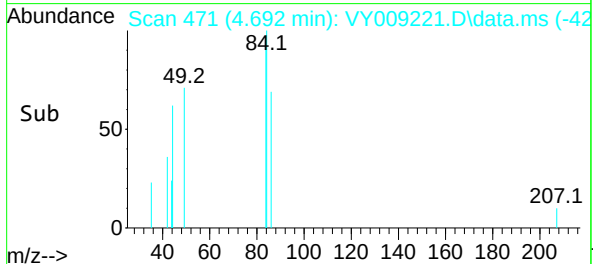


#20
Methylene Chloride
Concen: Below Cal
RT: 4.692 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY009221.D
Acq: 17 Jun 2022 12:57

Instrument :
MSVOA_Y
ClientSampleId :

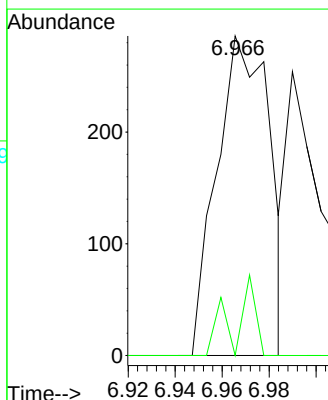
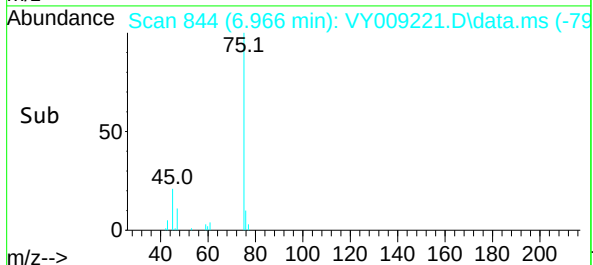
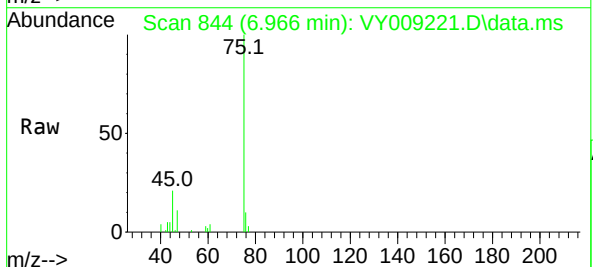


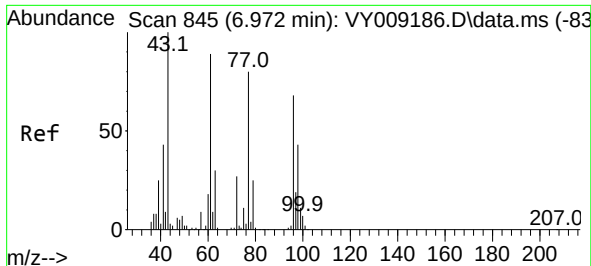
Tgt Ion: 84 Resp: 538
Ion Ratio Lower Upper
84 100
49 23.8 114.4 171.6#
51 0.0 35.3 52.9#
86 35.2 53.7 80.5#



#25
2-Butanone
Concen: 4.296 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.013 min
Lab File: VY009221.D
Acq: 17 Jun 2022 12:57

Tgt Ion: 43 Resp: 449
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.690 ug/l

RT: 6.984 min Scan# 845

Delta R.T. 0.012 min

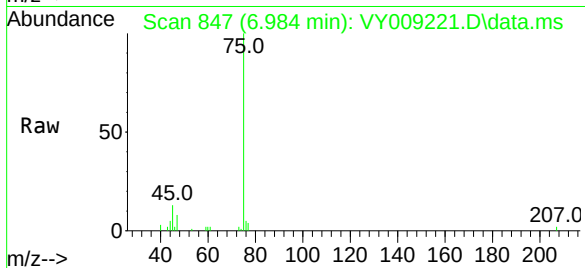
Lab File: VY009221.D

Acq: 17 Jun 2022 12:57

Instrument :

MSVOA_Y

ClientSampleId :

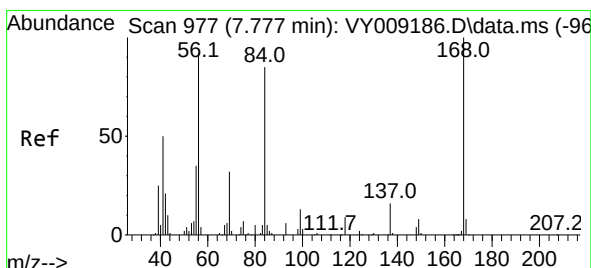
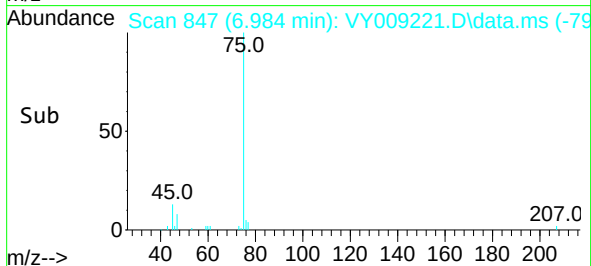
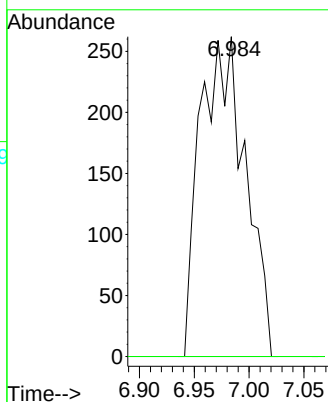


Tgt Ion: 77 Resp: 752

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.303 ug/l

RT: 7.776 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY009221.D

Acq: 17 Jun 2022 12:57

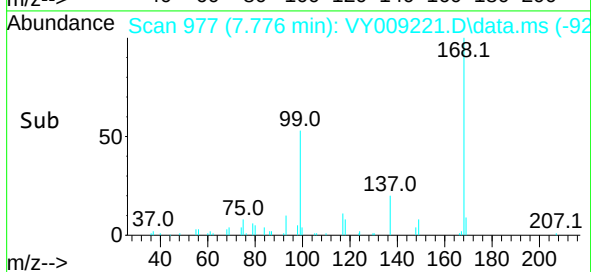
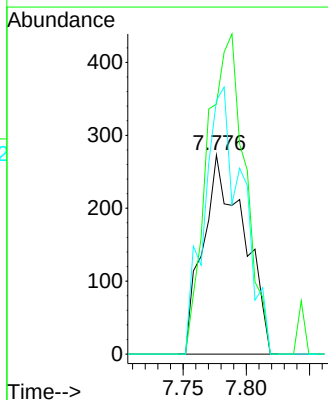
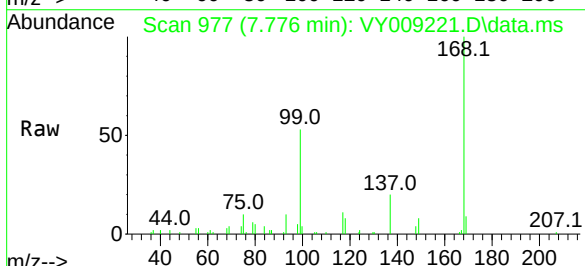
Tgt Ion: 56 Resp: 612

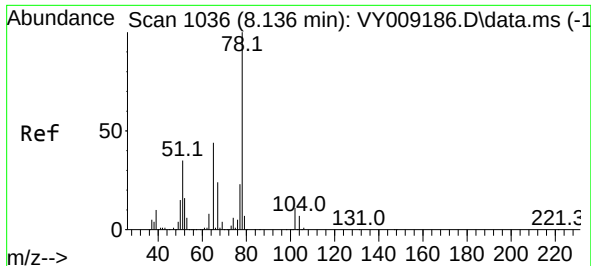
Ion Ratio Lower Upper

56 100

69 125.6 26.7 40.1#

84 127.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 48.615 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY009221.D

Acq: 17 Jun 2022 12:57

Instrument :

MSVOA_Y

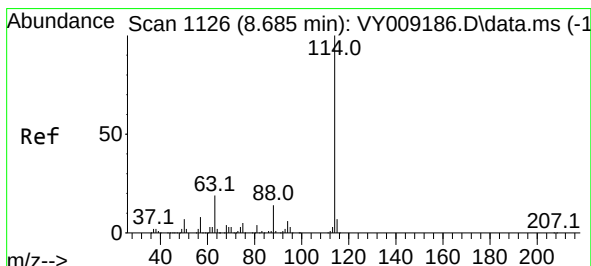
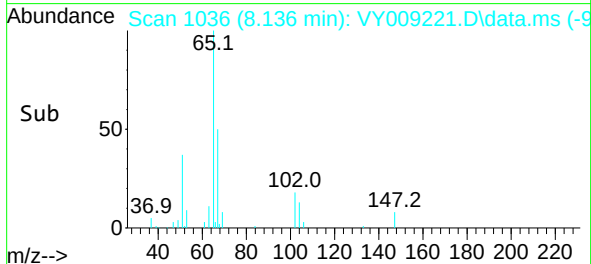
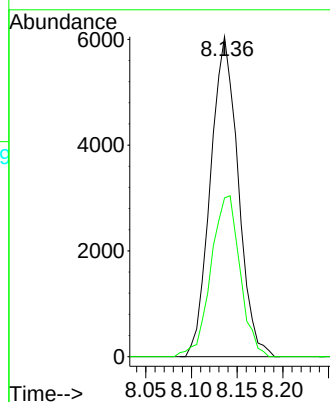
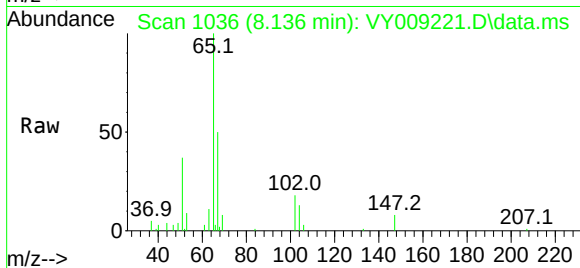
ClientSampleId :

Tgt Ion: 65 Resp: 12746

Ion Ratio Lower Upper

65 100

67 52.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009221.D

Acq: 17 Jun 2022 12:57

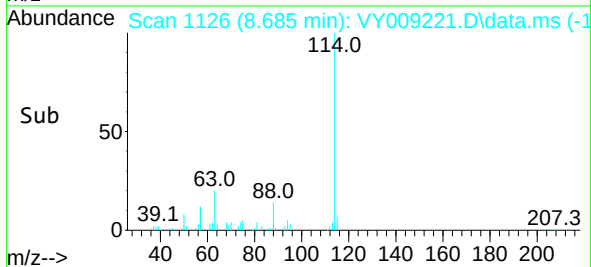
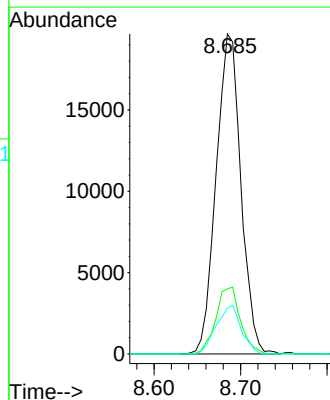
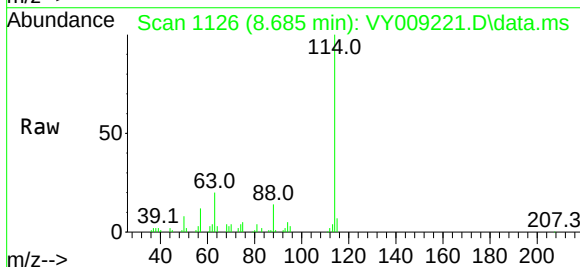
Tgt Ion: 114 Resp: 39088

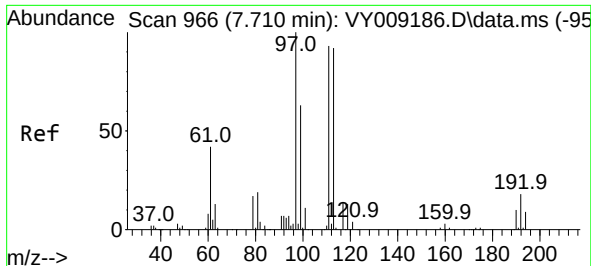
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

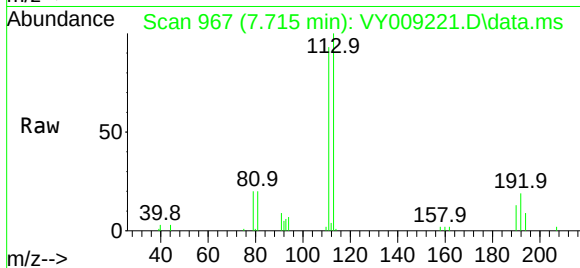
88 14.2 0.0 31.8



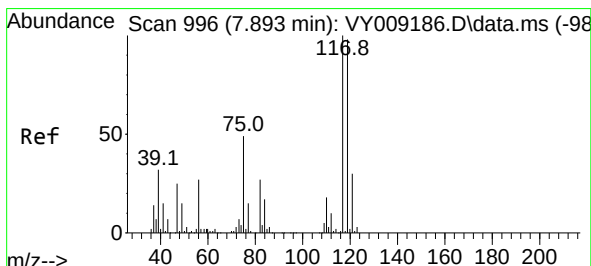
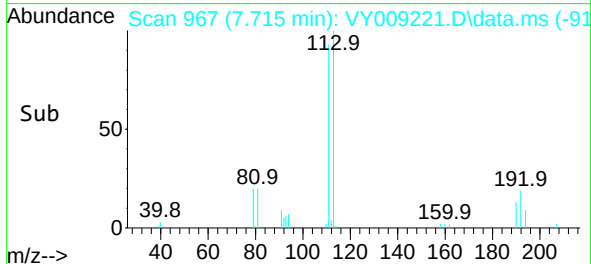
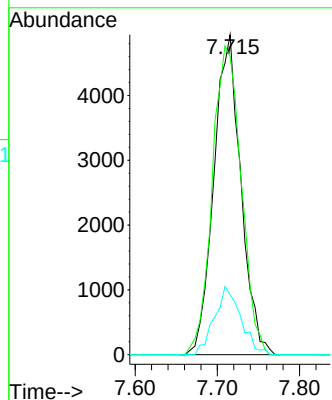


#35
Dibromofluoromethane
Concen: 46.004 ug/l
RT: 7.715 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY009221.D
Acq: 17 Jun 2022 12:57

Instrument :
MSVOA_Y
ClientSampleId :

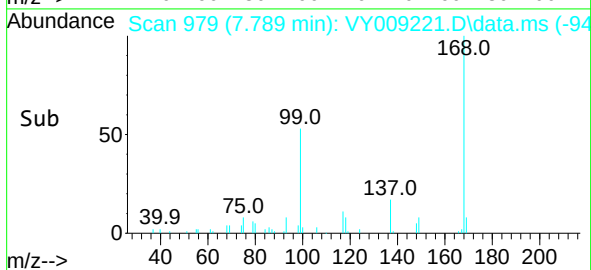
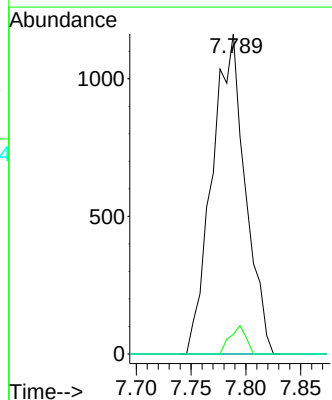
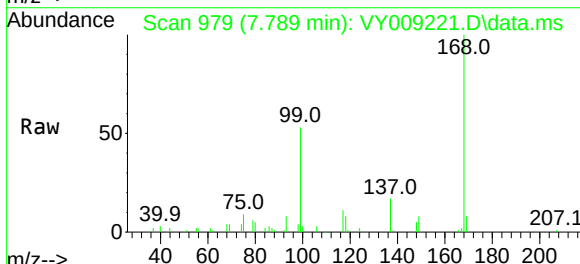


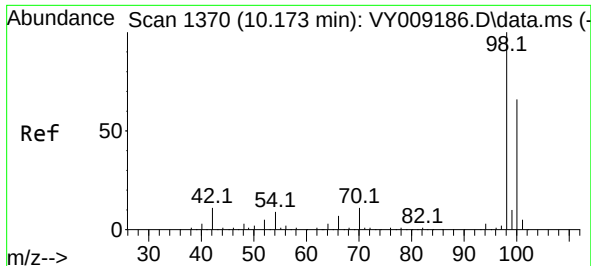
Tgt Ion:113 Resp: 11274
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 20.8 17.6 26.4



#38
Carbon Tetrachloride
Concen: 6.295 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY009221.D
Acq: 17 Jun 2022 12:57

Tgt Ion:117 Resp: 2454
Ion Ratio Lower Upper
117 100
119 6.1 77.9 116.9#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 47.899 ug/l

RT: 10.178 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY009221.D

Acq: 17 Jun 2022 12:57

Instrument :

MSVOA_Y

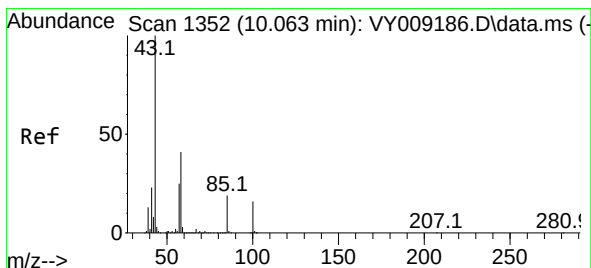
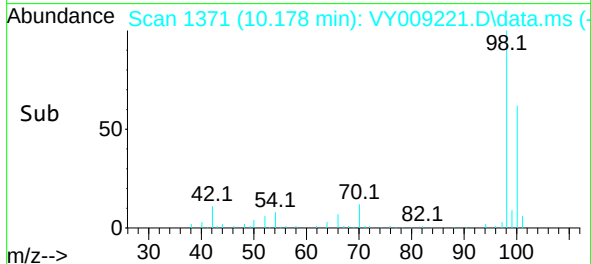
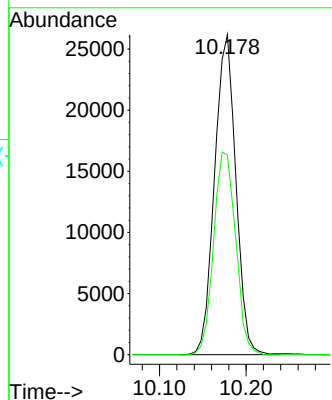
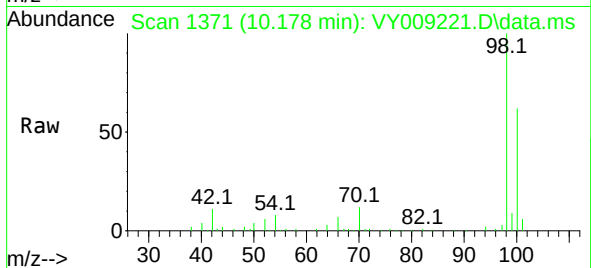
ClientSampleId :

Tgt Ion: 98 Resp: 44684

Ion Ratio Lower Upper

98 100

100 65.6 50.2 75.2



#51

4-Methyl-2-Pentanone

Concen: 1.672 ug/l

RT: 10.063 min Scan# 1352

Delta R.T. -0.000 min

Lab File: VY009221.D

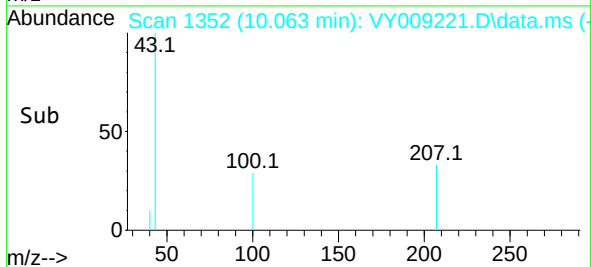
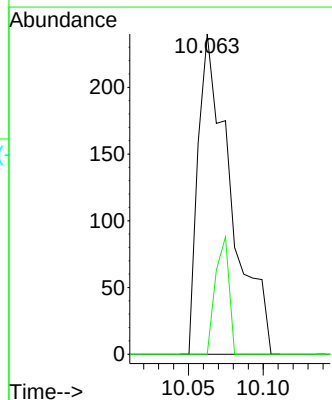
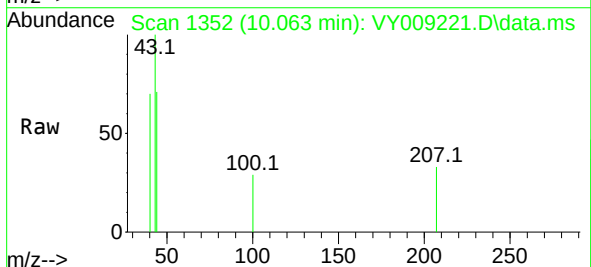
Acq: 17 Jun 2022 12:57

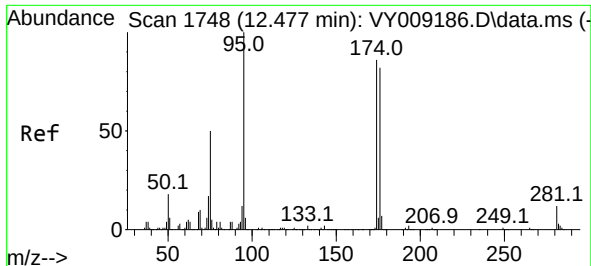
Tgt Ion: 43 Resp: 365

Ion Ratio Lower Upper

43 100

58 15.1 28.1 42.1#

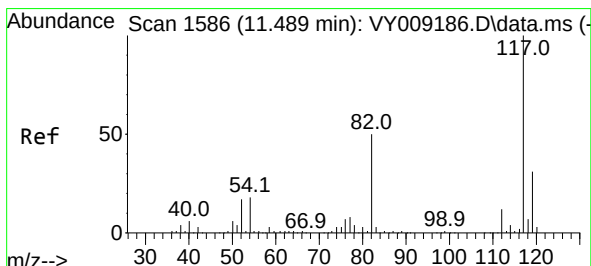
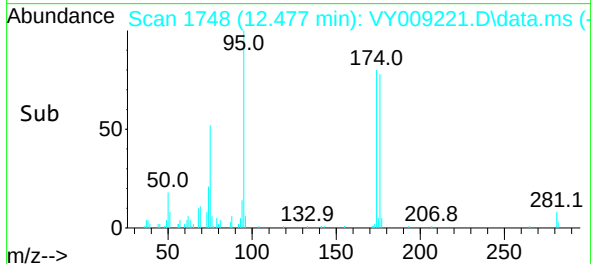
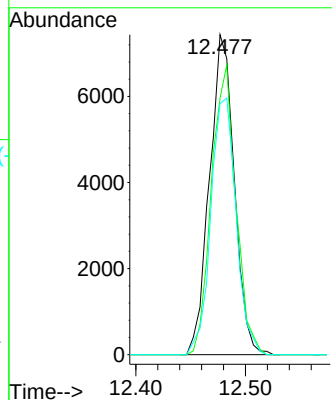
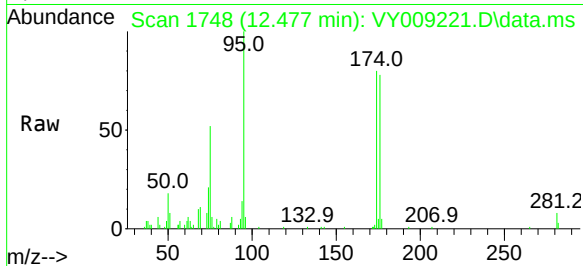




#62
4-Bromofluorobenzene
Concen: 35.206 ug/l
RT: 12.477 min Scan# 11671
Delta R.T. -0.000 min
Lab File: VY009221.D
Acq: 17 Jun 2022 12:57

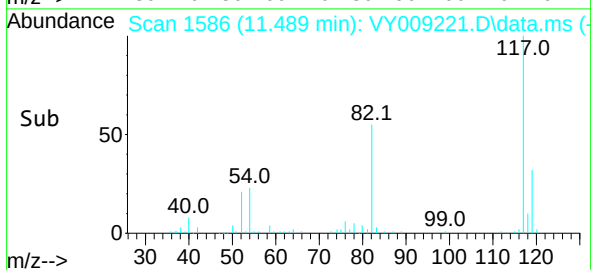
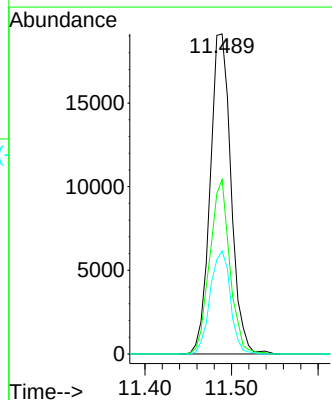
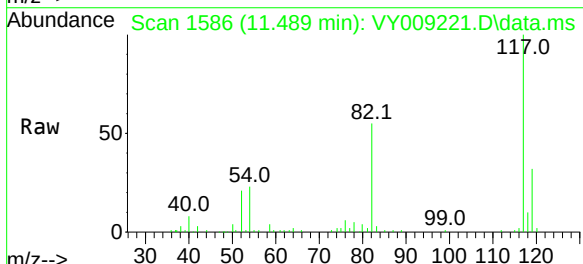
Instrument :
MSVOA_Y
ClientSampleId :

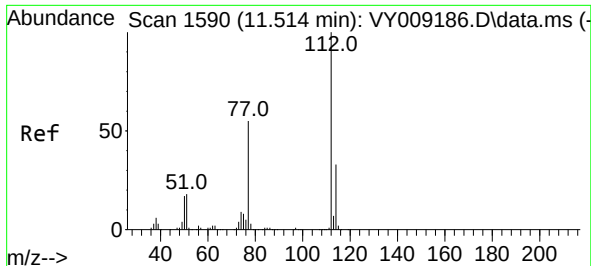
Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	177.0
176	81.9	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009221.D
Acq: 17 Jun 2022 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.0	64.4
119	32.2	25.4	38.0

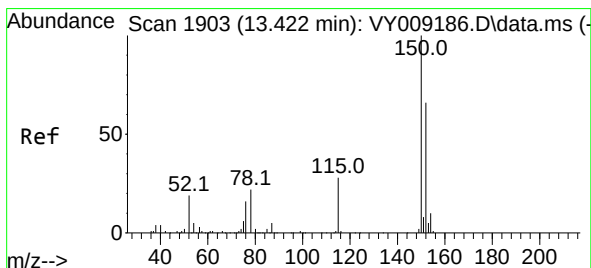
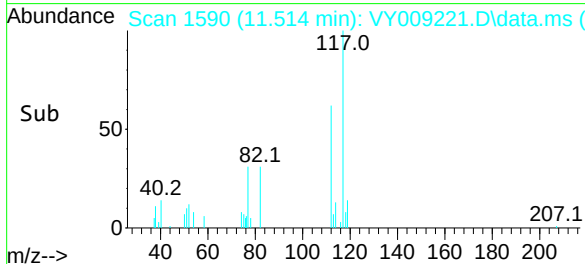
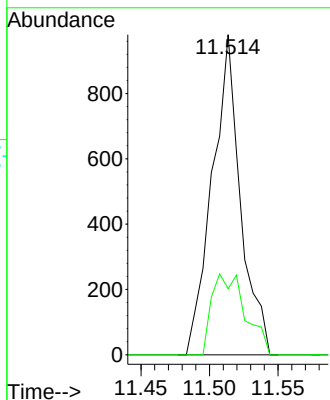
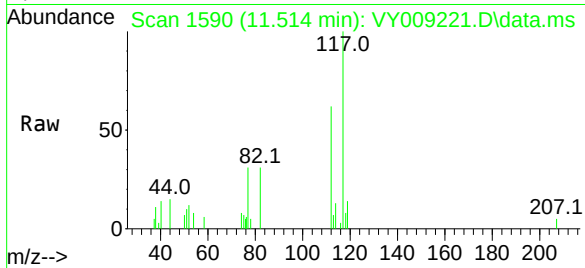




#65
Chlorobenzene
Concen: 2.034 ug/l
RT: 11.514 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009221.D
Acq: 17 Jun 2022 12:57

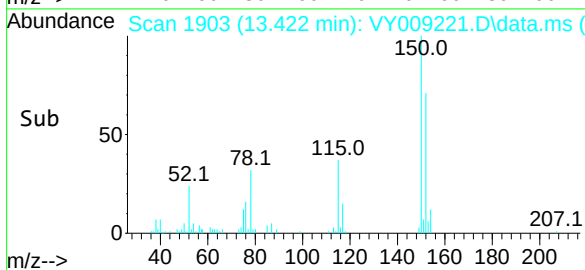
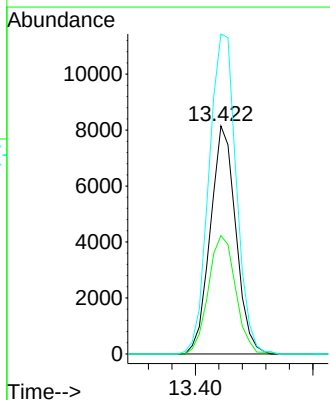
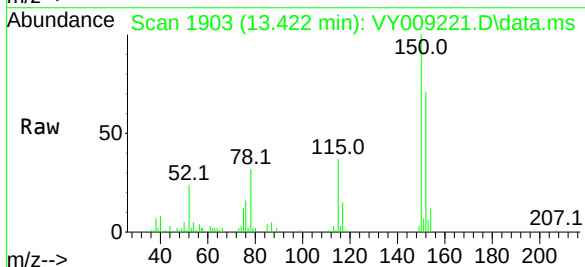
Instrument :
MSVOA_Y
ClientSampleId :

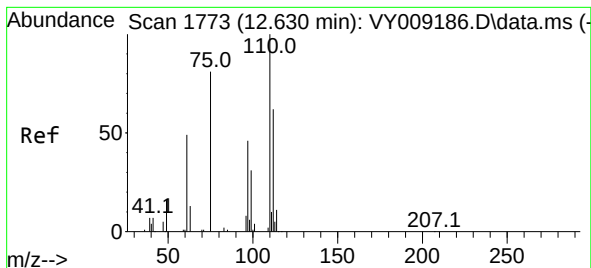
Tgt Ion:112 Resp: 1409
Ion Ratio Lower Upper
112 100
114 20.6 25.8 38.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009221.D
Acq: 17 Jun 2022 12:57

Tgt Ion:152 Resp: 12278
Ion Ratio Lower Upper
152 100
115 55.3 28.2 84.7
150 150.4 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 45.231 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY009221.D

Acq: 17 Jun 2022 12:57

Instrument :

MSVOA_Y

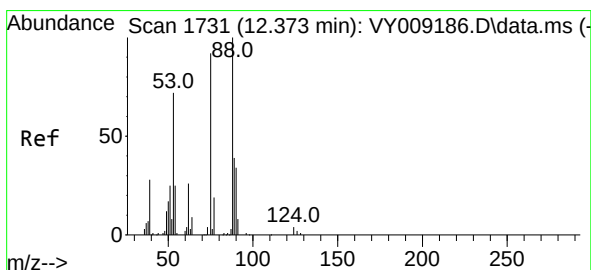
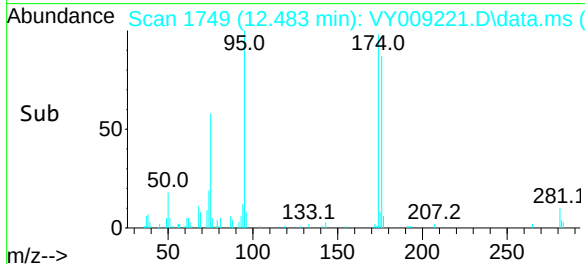
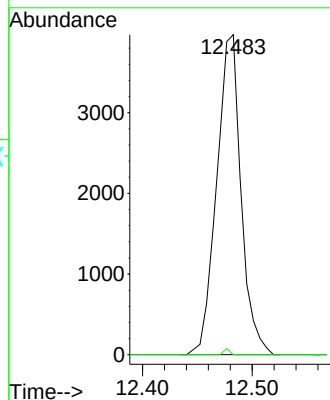
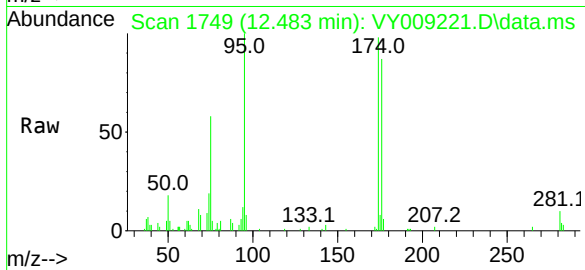
ClientSampleId :

Tgt Ion: 75 Resp: 6132

Ion Ratio Lower Upper

75 100

77 0.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.141 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.109 min

Lab File: VY009221.D

Acq: 17 Jun 2022 12:57

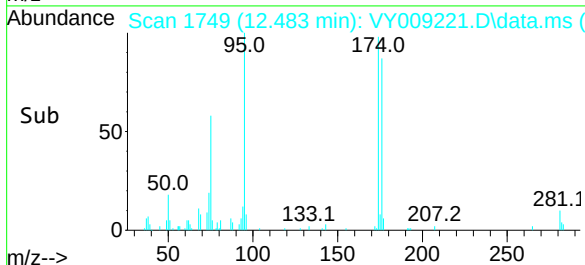
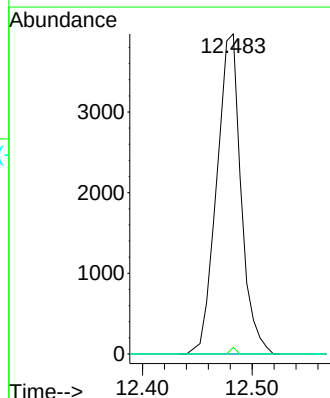
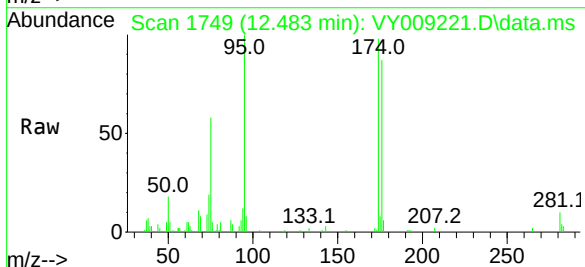
Tgt Ion: 75 Resp: 6132

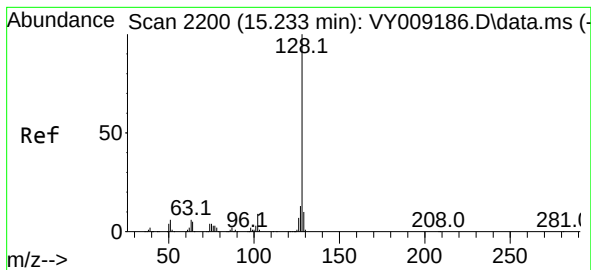
Ion Ratio Lower Upper

75 100

53 0.5 85.3 127.9#

89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 6.709 ug/l

RT: 15.238 min Scan# 21

Delta R.T. 0.006 min

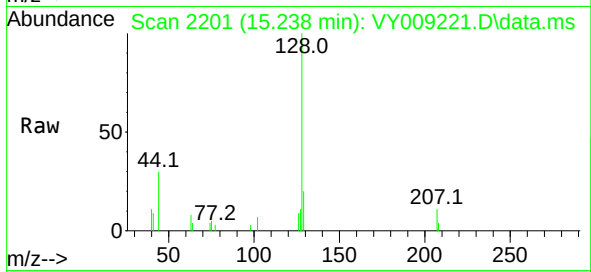
Lab File: VY009221.D

Acq: 17 Jun 2022 12:57

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 3484

Ion Ratio Lower Upper

128 100

127 11.8 11.0 16.4

129 12.7 8.4 12.6#

