

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083122\
 Data File : VY010246.D
 Acq On : 31 Aug 2022 15:30
 Operator : KP/MD
 Sample : N4353-04RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 3-4-COMP-2

Quant Time: Aug 31 23:41:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 02:23:17 2022
 Response via : Initial Calibration

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

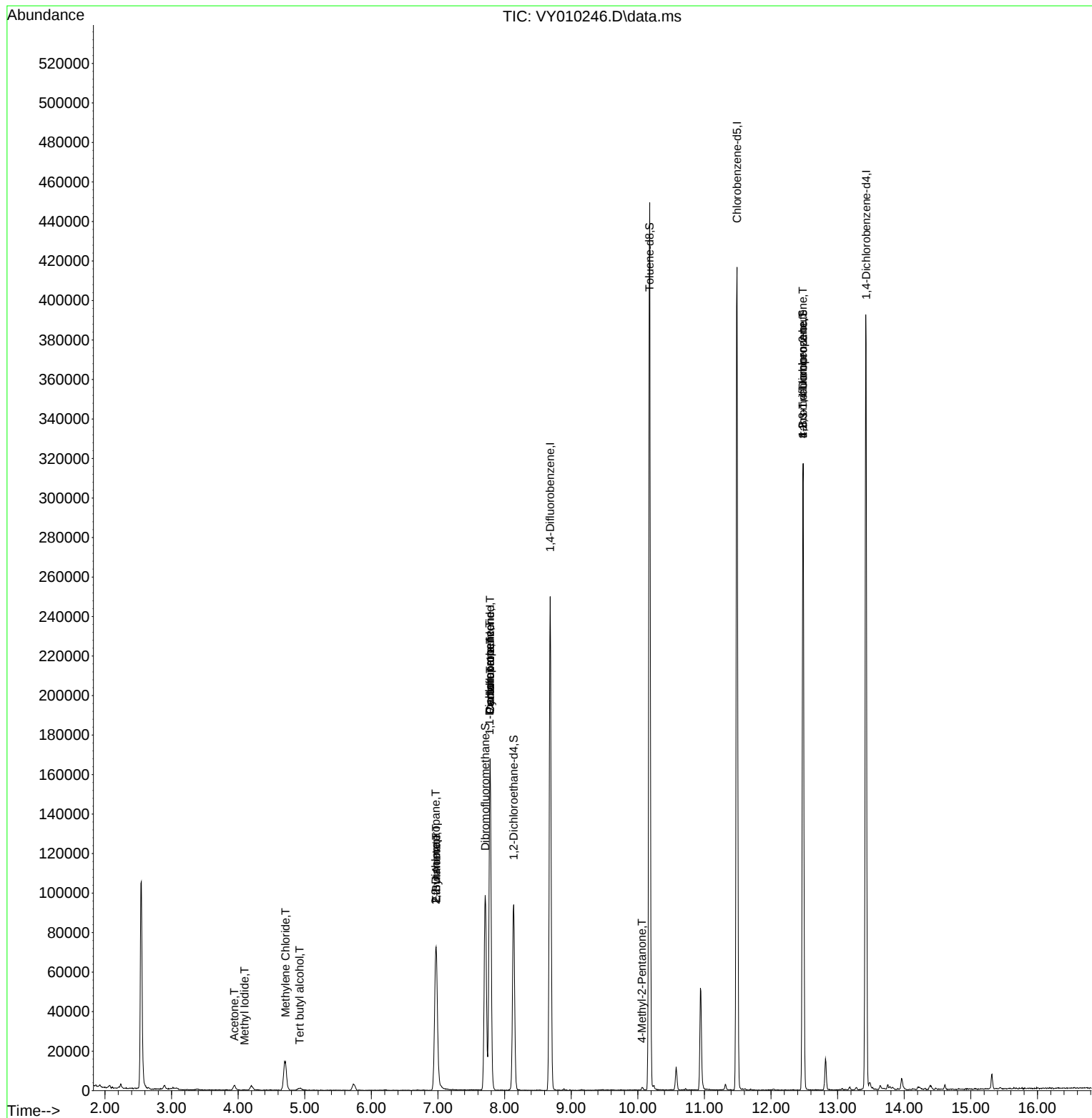
Internal Standards						
1) Pentafluorobenzene	7.783	168	141574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	222589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	240936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	110987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	75939	63.545	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 127.080%		
35) Dibromofluoromethane	7.710	113	70267	54.864	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 109.720%		
50) Toluene-d8	10.179	98	293738	61.100	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 122.200%		
62) 4-Bromofluorobenzene	12.477	95	91215	51.435	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 102.860%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.095	142	196	1.555	ug/l #	35
11) Tert butyl alcohol	4.924	59	832	6.976	ug/l #	77
16) Acetone	3.942	43	4490	17.915	ug/l	91
20) Methylene Chloride	4.710	84	12348	8.367	ug/l #	73
25) 2-Butanone	6.972	43	3663	8.486	ug/l #	79
26) 2,2-Dichloropropane	6.966	77	5827	2.861	ug/l #	55
31) Cyclohexane	7.783	56	2276	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	9184	4.731	ug/l #	50
37) Ethyl Acetate	6.972	43	3663	3.580	ug/l #	1
38) Carbon Tetrachloride	7.783	117	12069	5.419	ug/l #	16
51) 4-Methyl-2-Pentanone	10.063	43	1062	1.017	ug/l	95
76) 1,2,3-Trichloropropane	12.477	75	44930	41.170	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44930	85.893	ug/l #	7

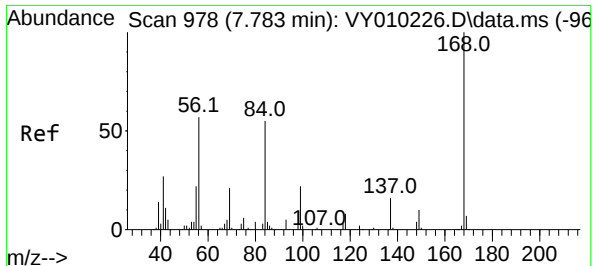
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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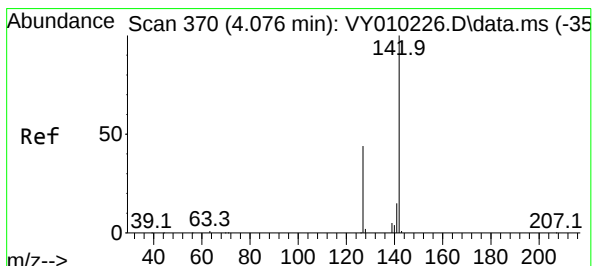
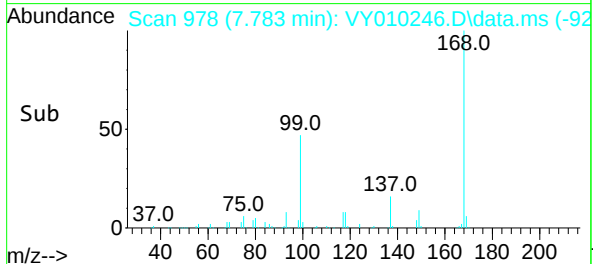
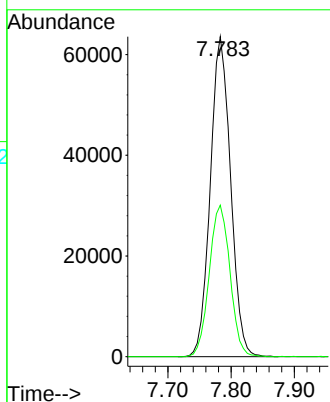
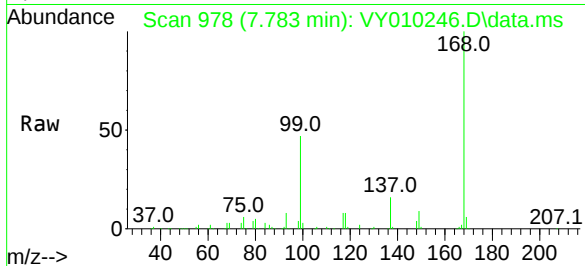




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010246.D
Acq: 31 Aug 2022 15:30

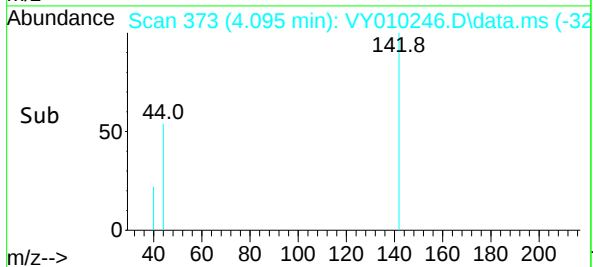
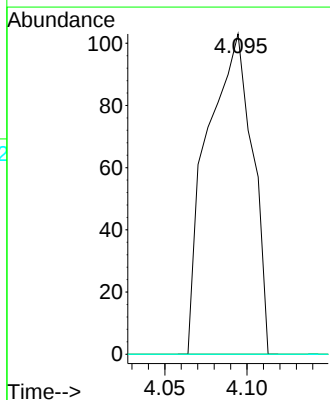
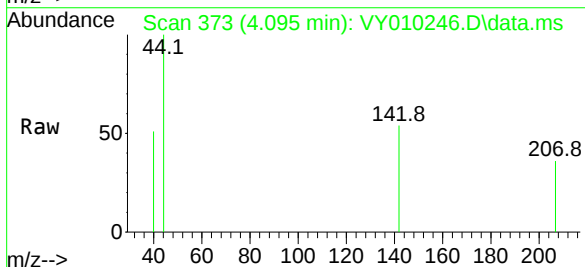
Instrument :
MSVOA_Y
ClientSampleId :
3-4-COMP-2

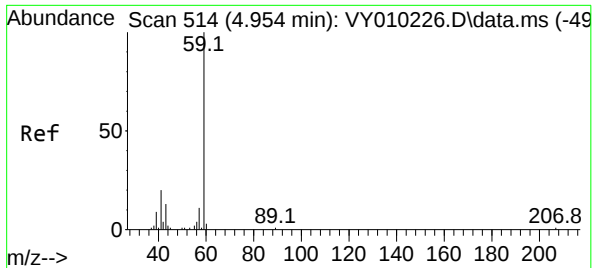
Tgt Ion:168 Resp: 141574
Ion Ratio Lower Upper
168 100
99 47.3 46.9 70.3



#10
Methyl Iodide
Concen: 1.555 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.019 min
Lab File: VY010246.D
Acq: 31 Aug 2022 15:30

Tgt Ion:142 Resp: 196
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: 6.976 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.031 min

Lab File: VY010246.D

Acq: 31 Aug 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

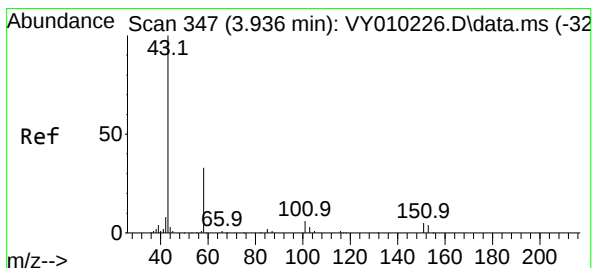
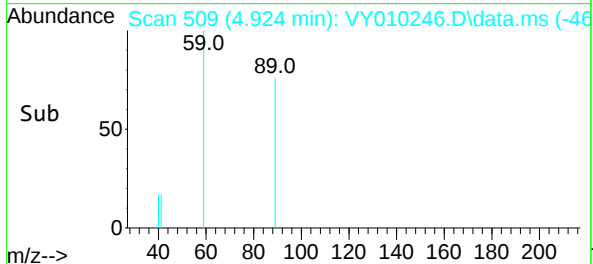
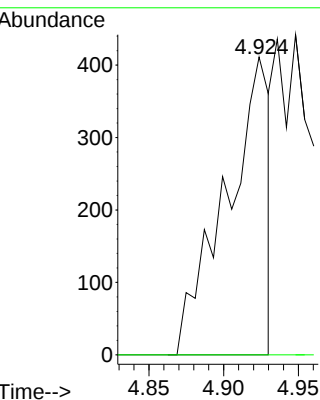
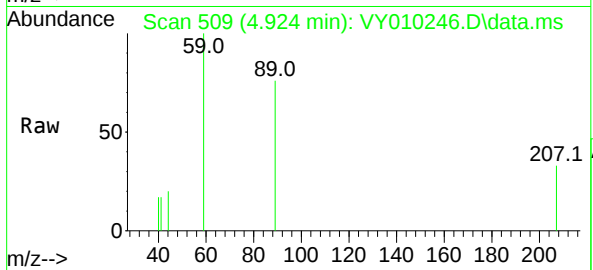
3-4-COMP-2

Tgt Ion: 59 Resp: 832

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 17.915 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY010246.D

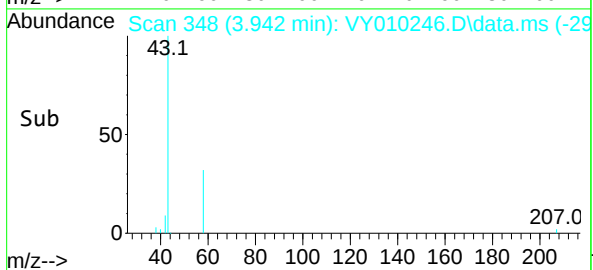
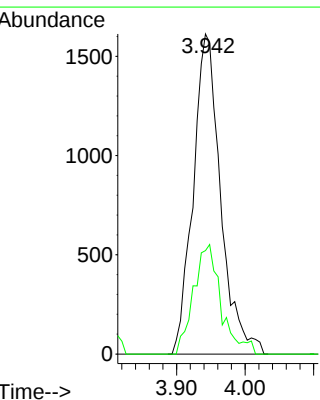
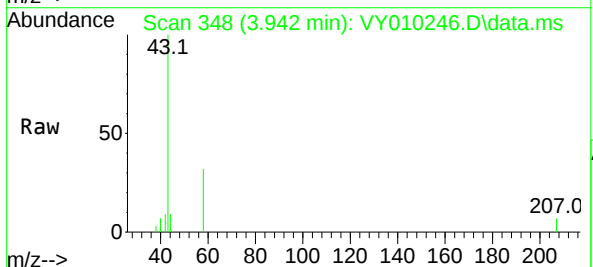
Acq: 31 Aug 2022 15:30

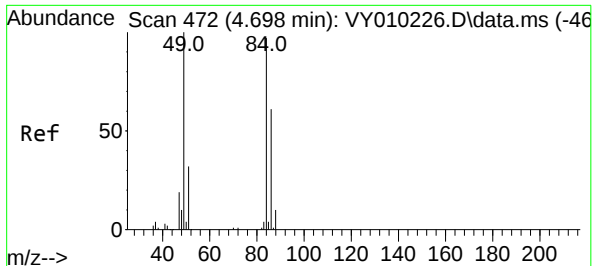
Tgt Ion: 43 Resp: 4490

Ion Ratio Lower Upper

43 100

58 32.3 22.0 33.0

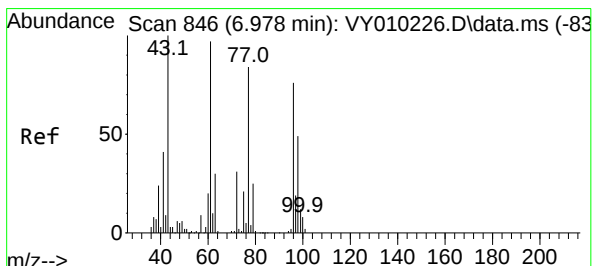
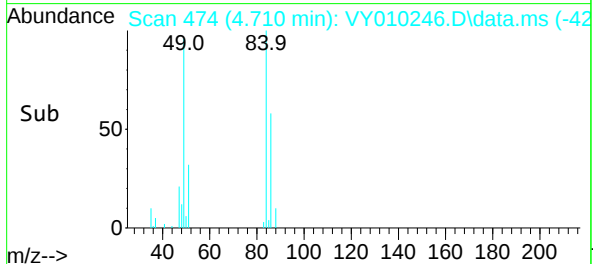
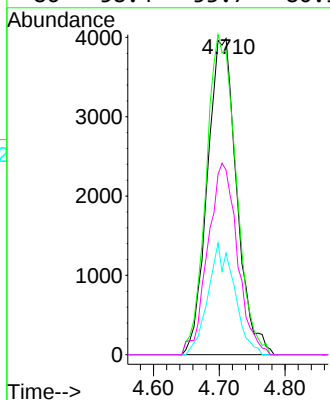
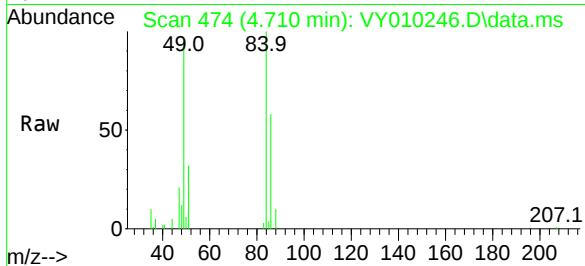




#20
Methylene Chloride
Concen: 8.367 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY010246.D
Acq: 31 Aug 2022 15:30

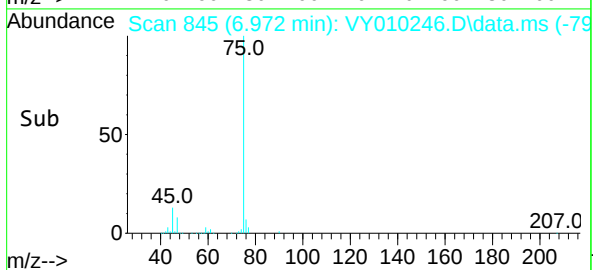
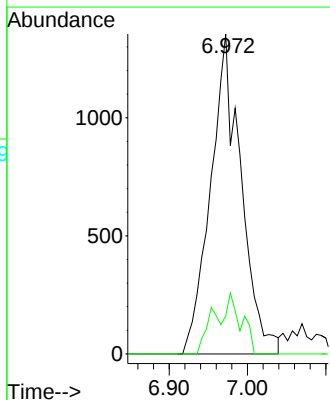
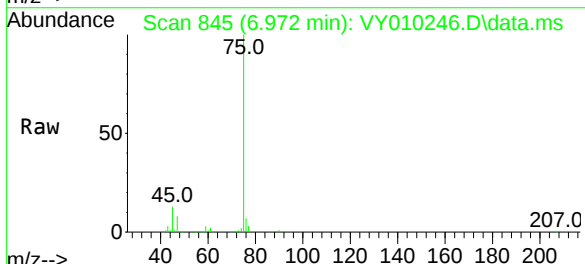
Instrument :
MSVOA_Y
ClientSampleId :
3-4-COMP-2

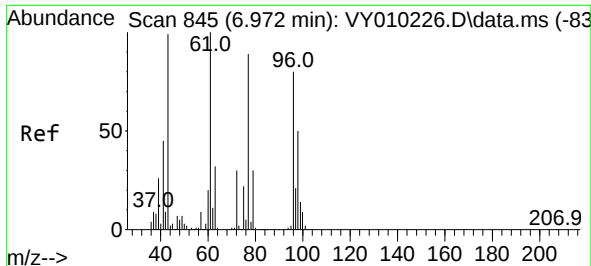
Tgt Ion: 84 Resp: 12348
Ion Ratio Lower Upper
84 100
49 96.2 114.4 171.6#
51 32.2 35.3 52.9#
86 58.4 53.7 80.5



#25
2-Butanone
Concen: 8.486 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010246.D
Acq: 31 Aug 2022 15:30

Tgt Ion: 43 Resp: 3663
Ion Ratio Lower Upper
43 100
72 11.9 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 2.861 ug/l

RT: 6.966 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010246.D

Acq: 31 Aug 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

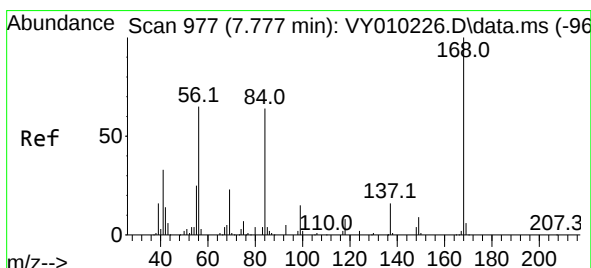
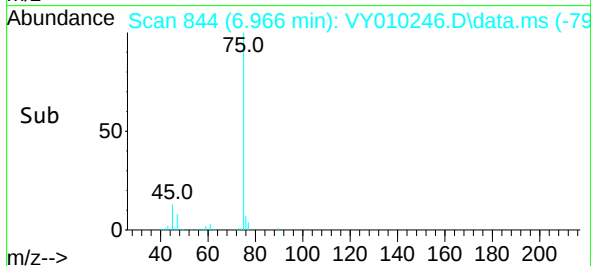
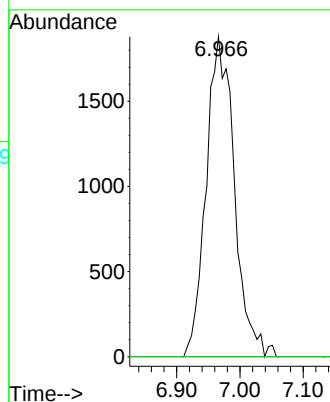
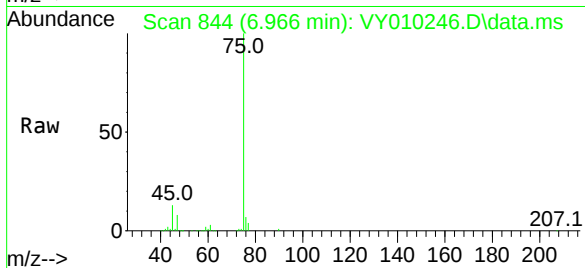
3-4-COMP-2

Tgt Ion: 77 Resp: 5827

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.069 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010246.D

Acq: 31 Aug 2022 15:30

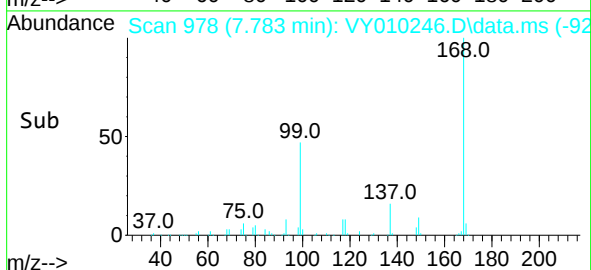
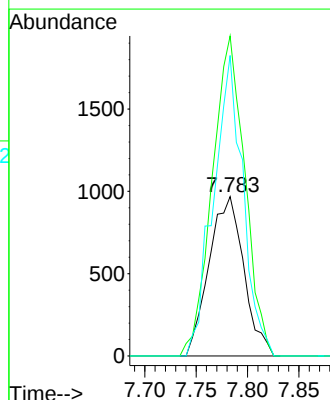
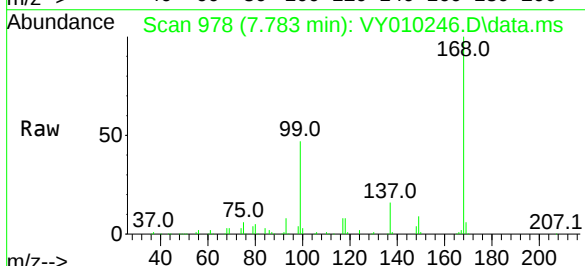
Tgt Ion: 56 Resp: 2276

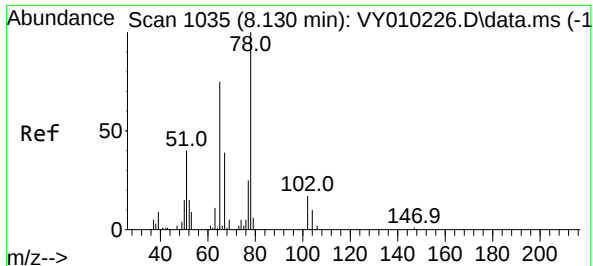
Ion Ratio Lower Upper

56 100

69 200.8 26.7 40.1#

84 188.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 63.545 ug/l

RT: 8.136 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VY010246.D

Acq: 31 Aug 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

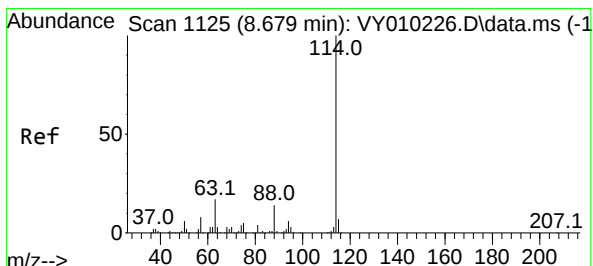
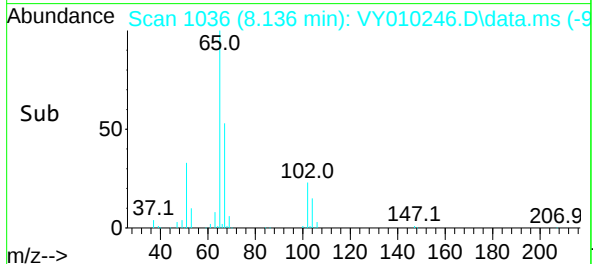
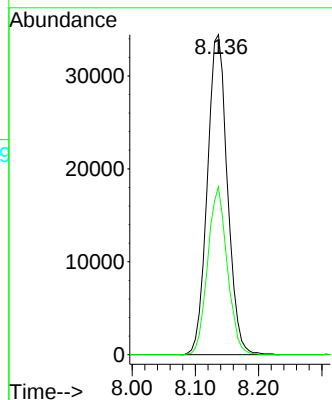
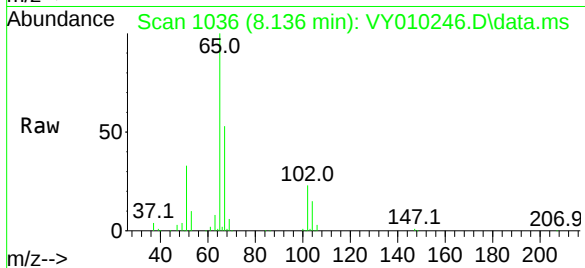
3-4-COMP-2

Tgt Ion: 65 Resp: 75939

Ion Ratio Lower Upper

65 100

67 51.1 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY010246.D

Acq: 31 Aug 2022 15:30

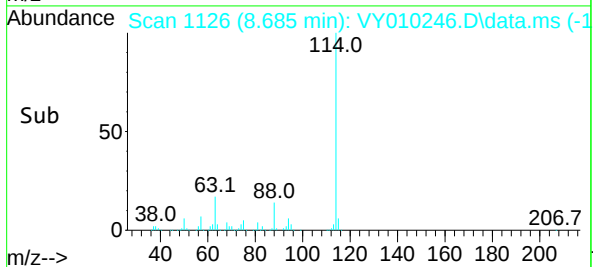
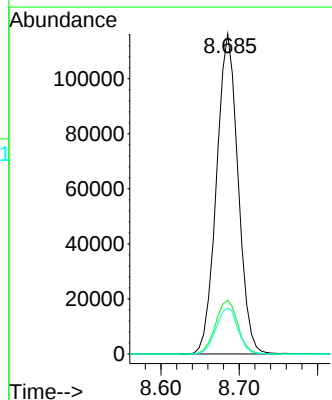
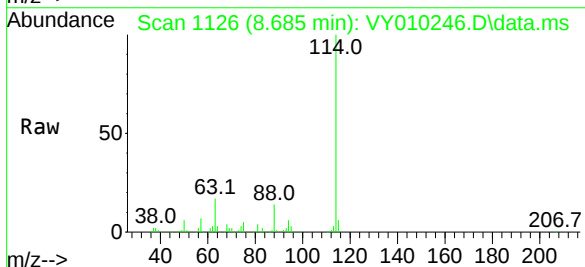
Tgt Ion: 114 Resp: 222589

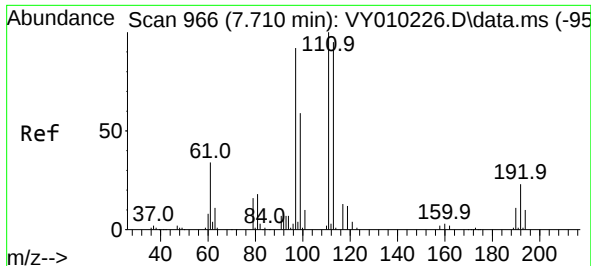
Ion Ratio Lower Upper

114 100

63 16.8 0.0 43.2

88 14.4 0.0 31.8

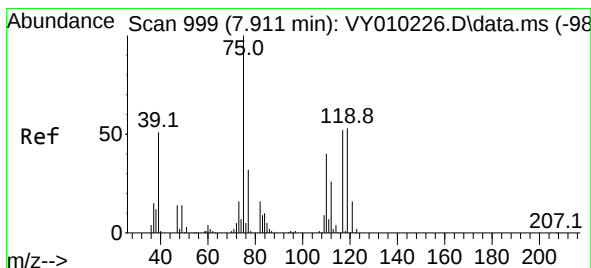
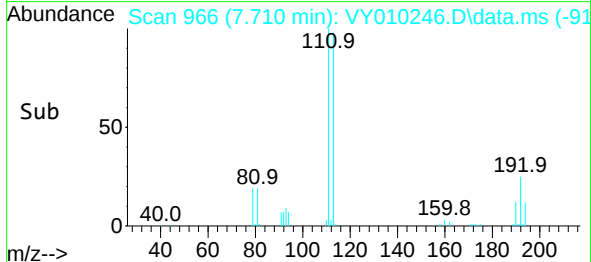
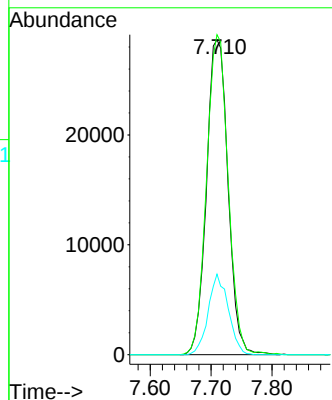
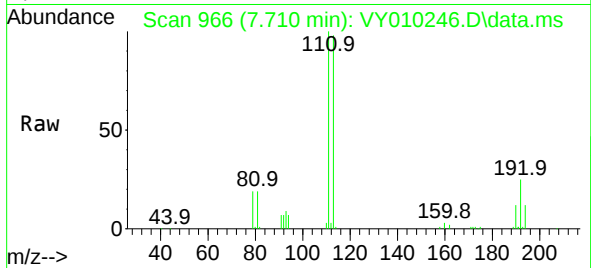




#35
Dibromofluoromethane
Concen: 54.864 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010246.D
Acq: 31 Aug 2022 15:30

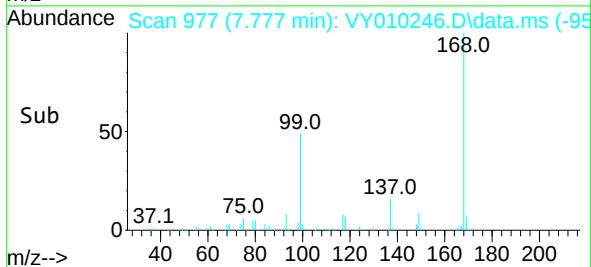
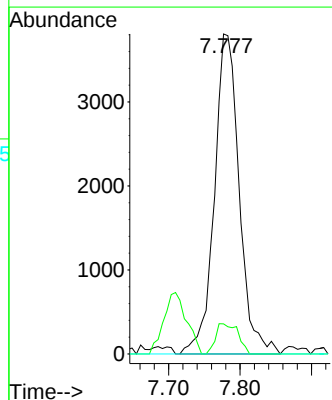
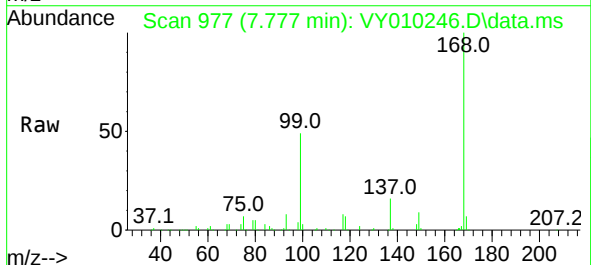
Instrument :
MSVOA_Y
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3-4-COMP-2

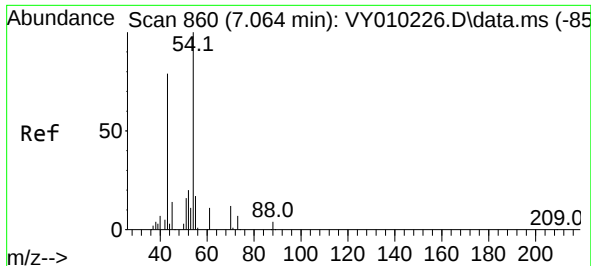
Tgt Ion:113 Resp: 70267
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 23.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.731 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY010246.D
Acq: 31 Aug 2022 15:30

Tgt Ion: 75 Resp: 9184
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.580 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY010246.D

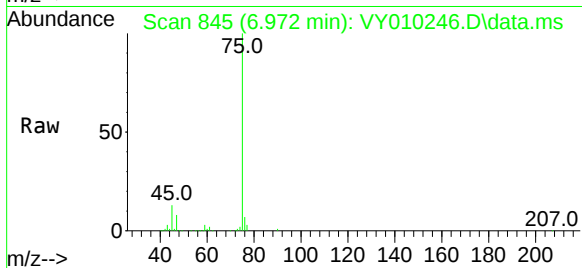
Acq: 31 Aug 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

3-4-COMP-2



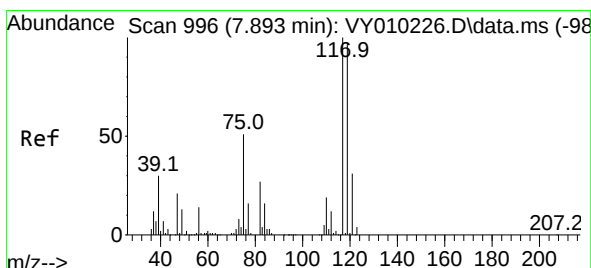
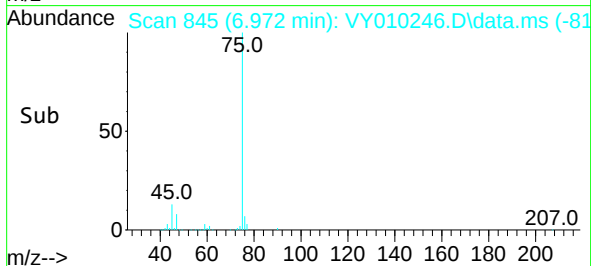
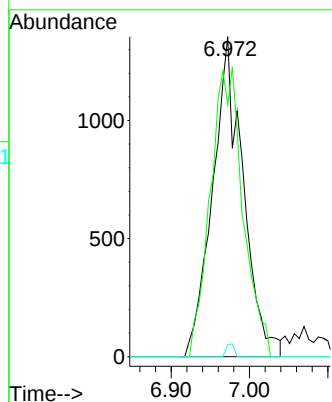
Tgt Ion: 43 Resp: 3663

Ion Ratio Lower Upper

43 100

61 96.8 9.7 14.5#

70 1.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.419 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010246.D

Acq: 31 Aug 2022 15:30

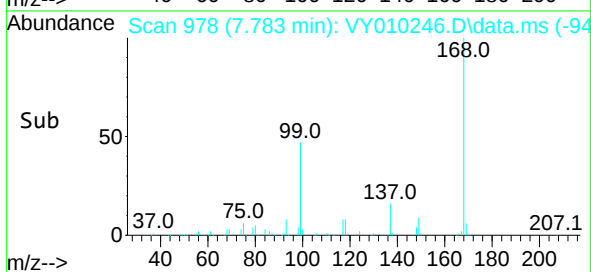
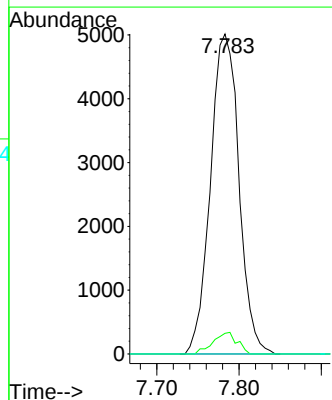
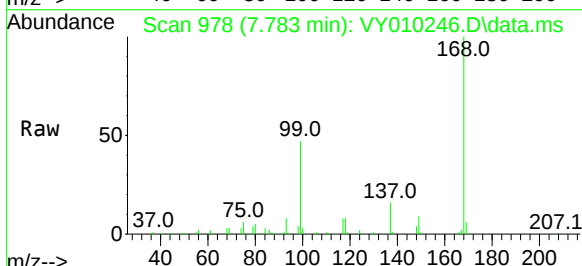
Tgt Ion: 117 Resp: 12069

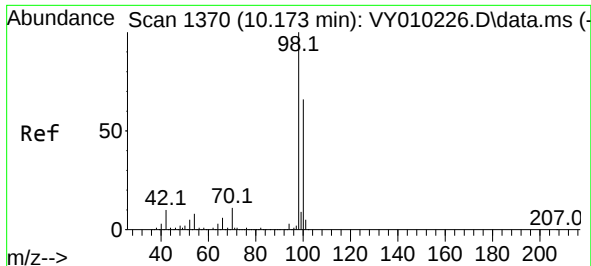
Ion Ratio Lower Upper

117 100

119 6.4 77.9 116.9#

121 0.0 24.8 37.2#

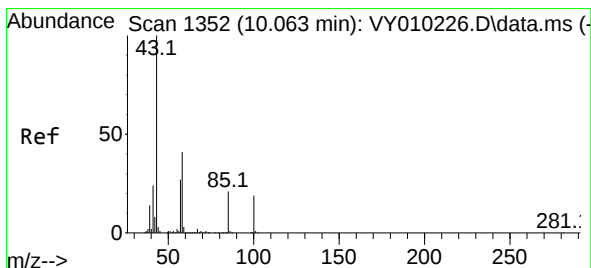
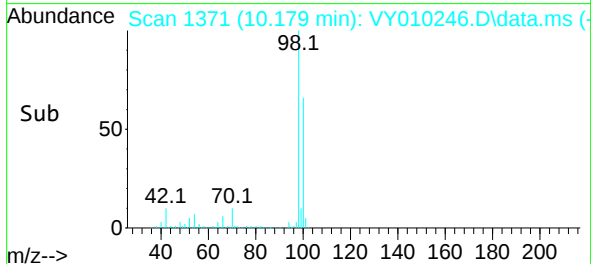
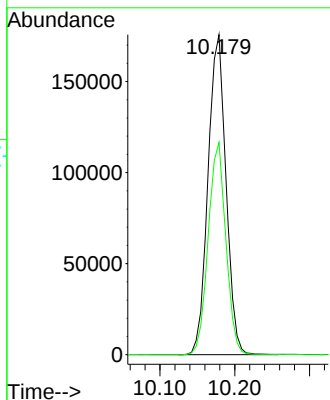
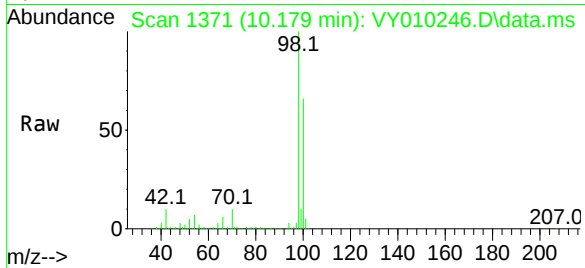




#50
Toluene-d8
Concen: 61.100 ug/l
RT: 10.179 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VY010246.D
Acq: 31 Aug 2022 15:30

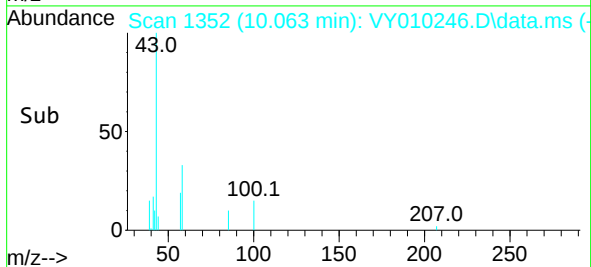
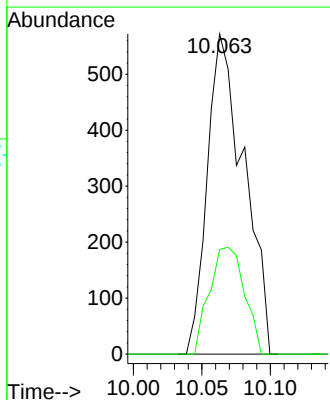
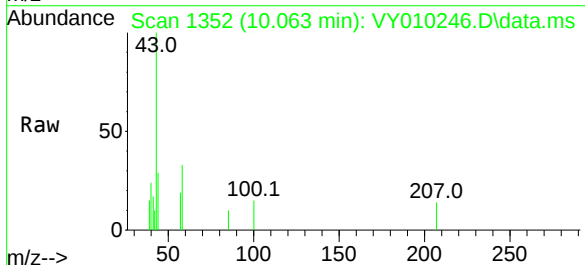
Instrument :
MSVOA_Y
ClientSampleId :
3-4-COMP-2

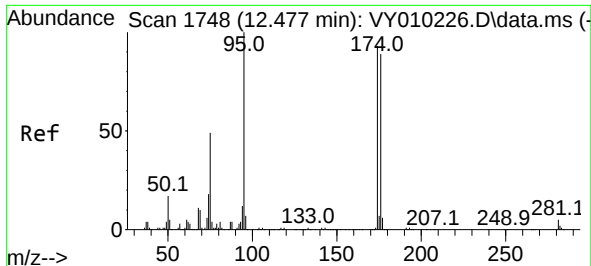
Tgt Ion: 98 Resp: 293738
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.017 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.000 min
Lab File: VY010246.D
Acq: 31 Aug 2022 15:30

Tgt Ion: 43 Resp: 1062
Ion Ratio Lower Upper
43 100
58 31.9 28.1 42.1

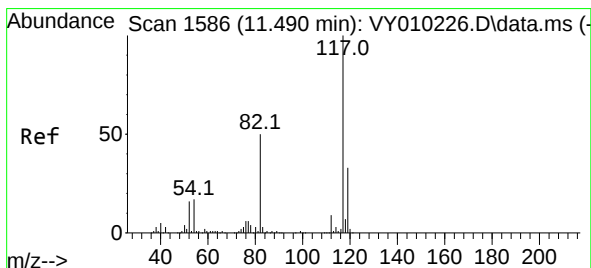
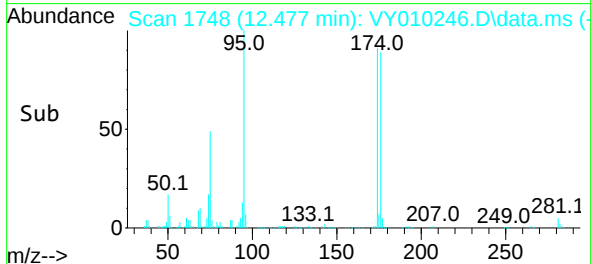
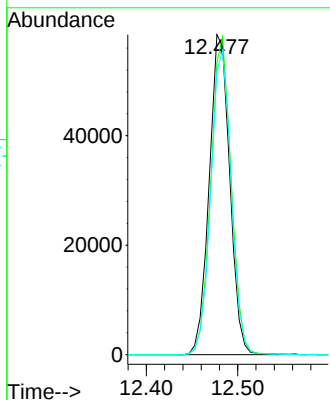
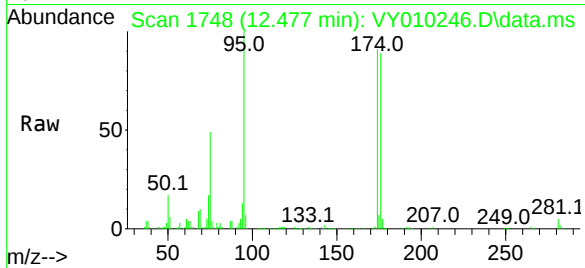




#62
4-Bromofluorobenzene
Concen: 51.435 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY010246.D
Acq: 31 Aug 2022 15:30

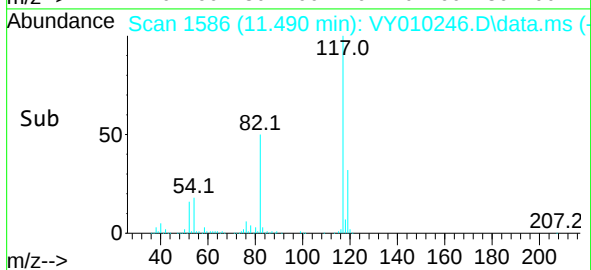
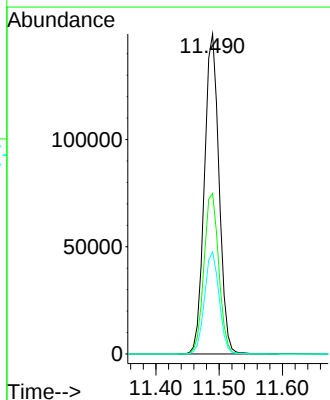
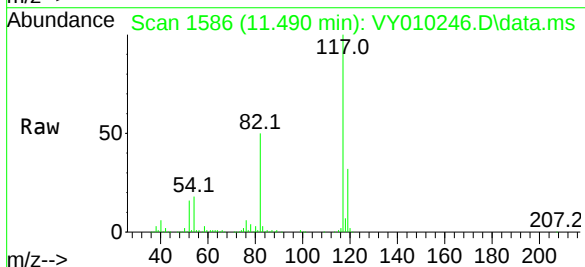
Instrument :
MSVOA_Y
ClientSampleId :
3-4-COMP-2

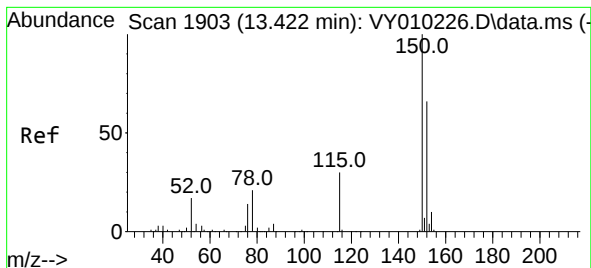
Tgt Ion: 95 Resp: 91215
Ion Ratio Lower Upper
95 100
174 98.5 0.0 177.0
176 94.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010246.D
Acq: 31 Aug 2022 15:30

Tgt Ion: 117 Resp: 240936
Ion Ratio Lower Upper
117 100
82 50.2 43.0 64.4
119 31.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY010246.D

Acq: 31 Aug 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

3-4-COMP-2

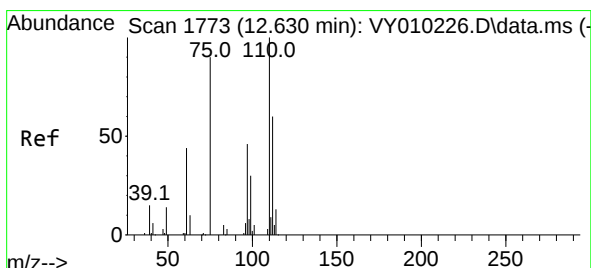
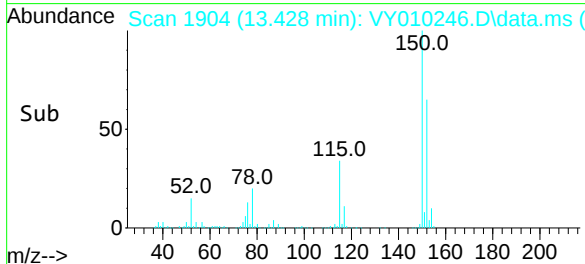
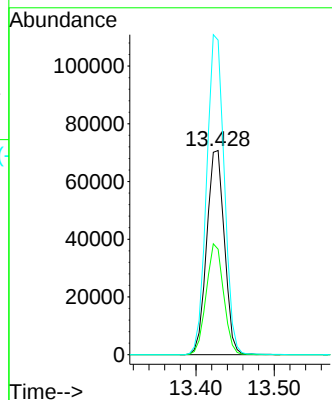
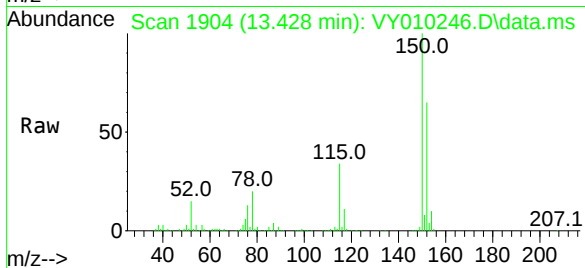
Tgt Ion:152 Resp: 110987

Ion Ratio Lower Upper

152 100

115 53.4 28.2 84.7

150 156.1 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 41.170 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY010246.D

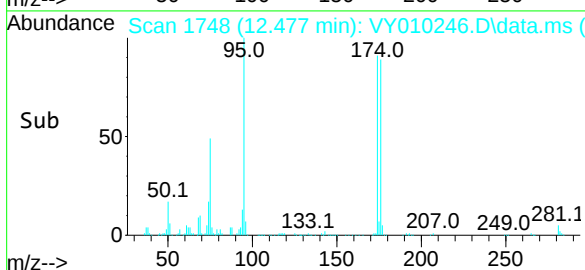
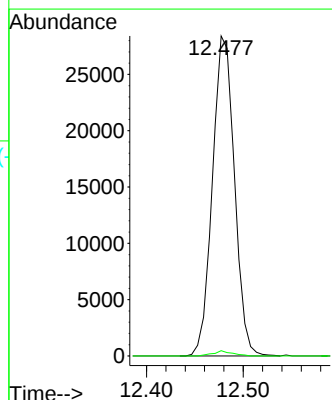
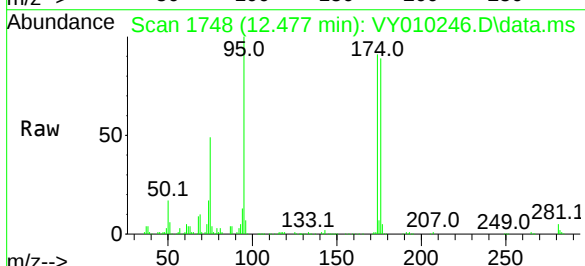
Acq: 31 Aug 2022 15:30

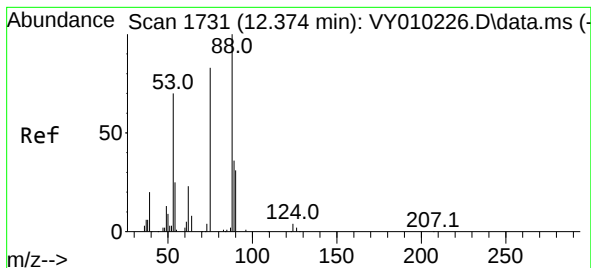
Tgt Ion: 75 Resp: 44930

Ion Ratio Lower Upper

75 100

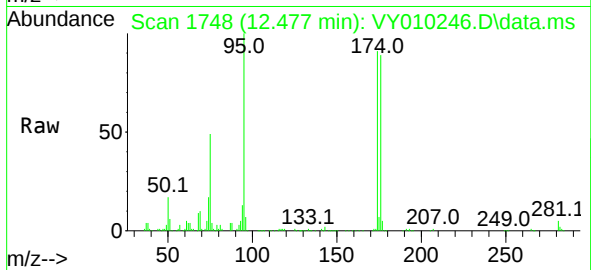
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.893 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY010246.D
 Acq: 31 Aug 2022 15:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 3-4-COMP-2



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.1	37.0	55.4#

