

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082522\
 Data File : VY010206.D
 Acq On : 25 Aug 2022 14:36
 Operator : KP/MD
 Sample : N4353-04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Aug 26 06:46:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 06:12:05 2022
 Response via : Initial Calibration

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

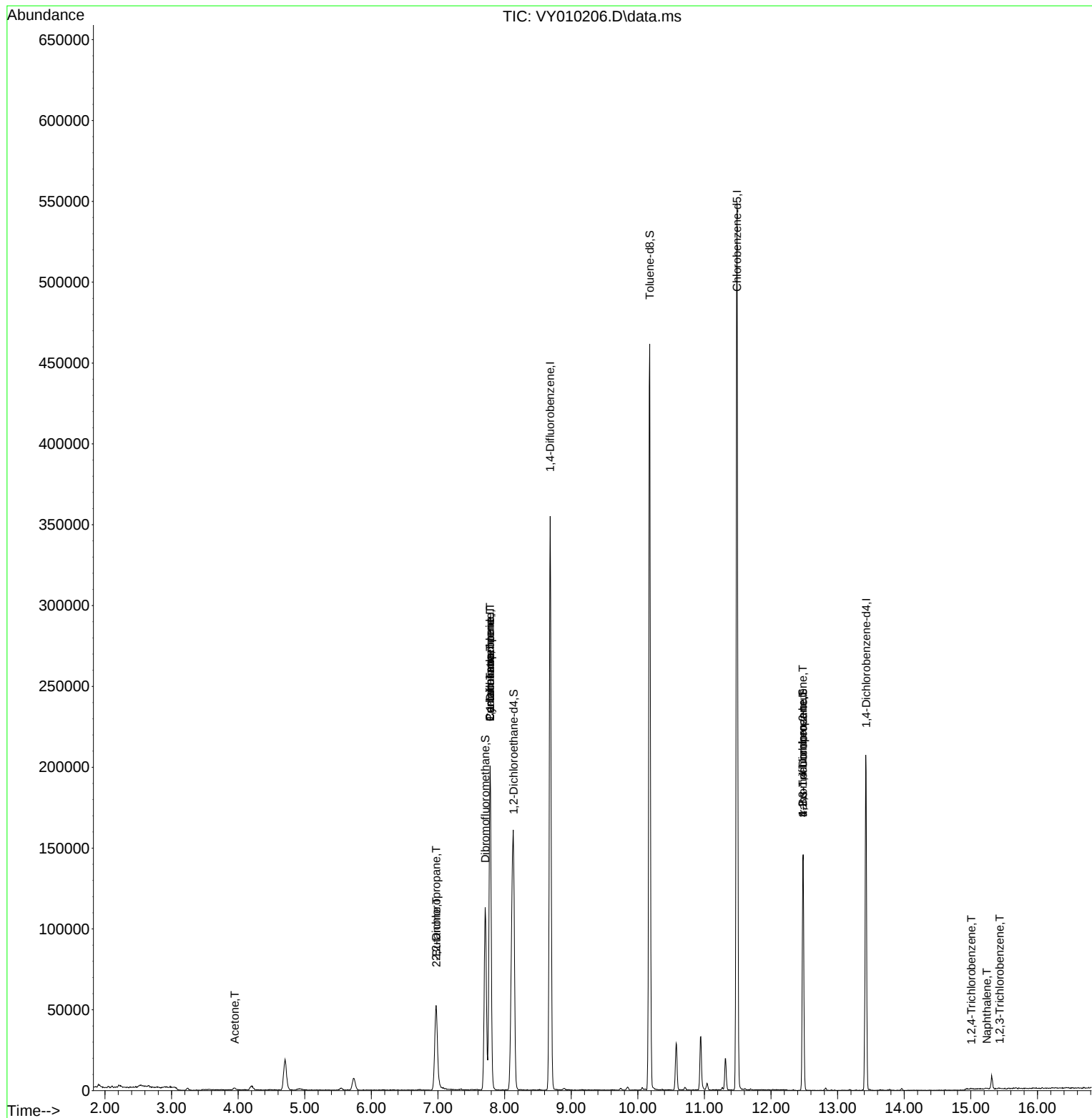
Internal Standards						
1) Pentafluorobenzene	7.783	168	157203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	295749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	295201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	50510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	86180	66.353	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.700%	
35) Dibromofluoromethane	7.710	113	78987	40.734	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 81.460%	
50) Toluene-d8	10.179	98	298382	44.341	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 88.680%	
62) 4-Bromofluorobenzene	12.477	95	43161	16.742	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 33.480%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	1064	Below Cal		95
11) Tert butyl alcohol	4.948	59	572	Below Cal	#	77
16) Acetone	3.948	43	2218	5.197	ug/l	91
18) Methyl Acetate	4.466	43	455	Below Cal	#	56
20) Methylene Chloride	4.704	84	13870	Below Cal		88
25) 2-Butanone	6.978	43	2926	4.129	ug/l #	87
26) 2,2-Dichloropropane	6.972	77	3973	1.316	ug/l #	55
31) Cyclohexane	7.783	56	3206	1.196	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12546	4.399	ug/l #	49
38) Carbon Tetrachloride	7.783	117	15135	5.010	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	22556	40.546	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	22556	86.212	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.007	180	132	4.710	ug/l #	76
95) Naphthalene	15.239	128	414	6.121	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.434	180	66	4.697	ug/l #	10

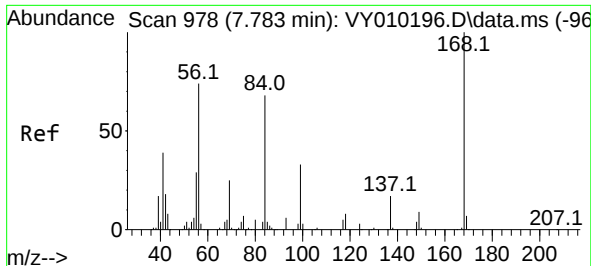
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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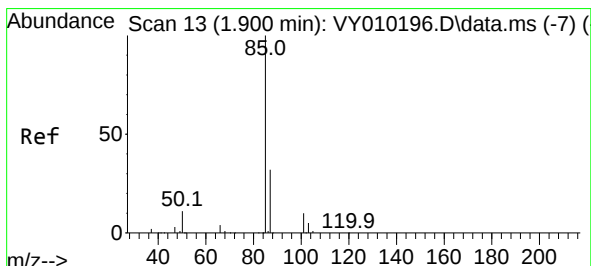
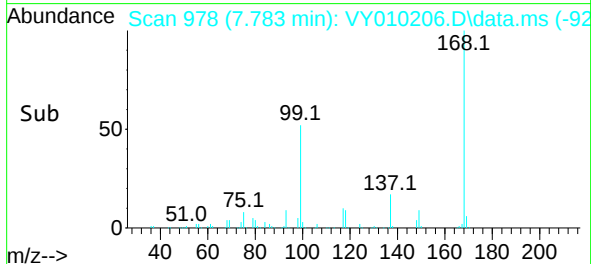
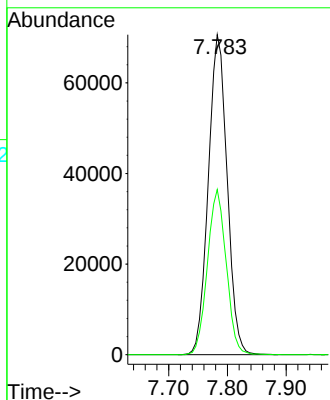
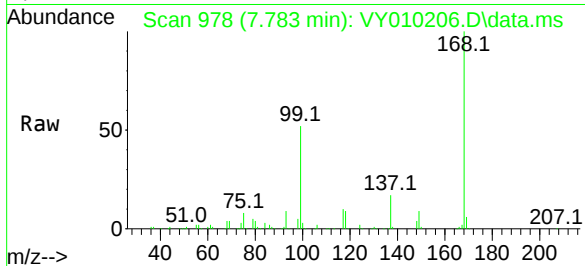




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010206.D
Acq: 25 Aug 2022 14:36

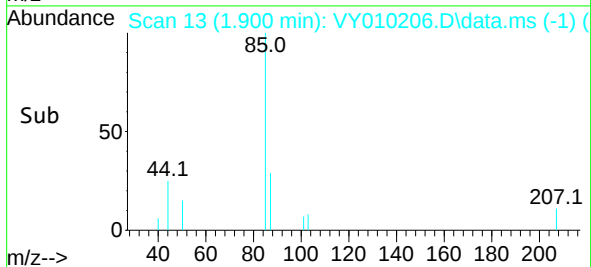
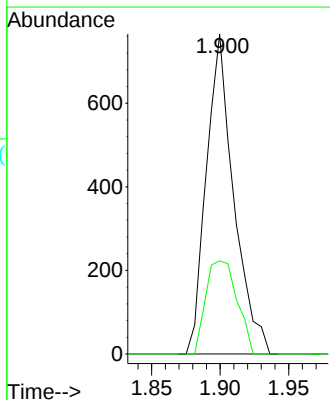
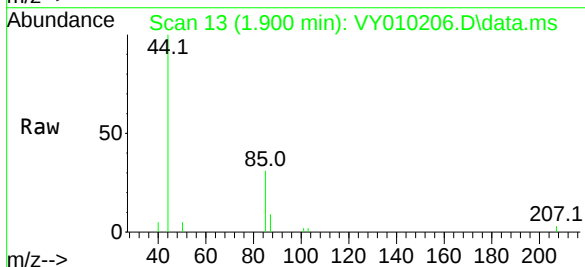
Instrument :
MSVOA_Y
ClientSampleId :
3-4-COMP-2

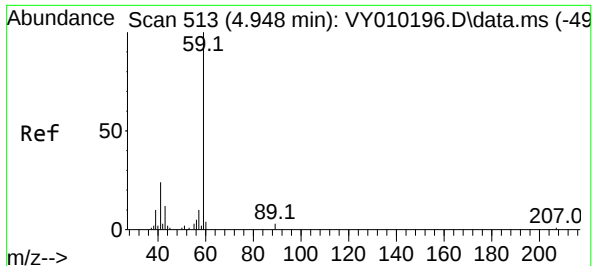
Tgt Ion:168 Resp: 157203
Ion Ratio Lower Upper
168 100
99 51.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010206.D
Acq: 25 Aug 2022 14:36

Tgt Ion: 85 Resp: 1064
Ion Ratio Lower Upper
85 100
87 29.1 16.1 48.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 513

Delta R.T. -0.000 min

Lab File: VY010206.D

Acq: 25 Aug 2022 14:36

Instrument :

MSVOA_Y

ClientSampleId :

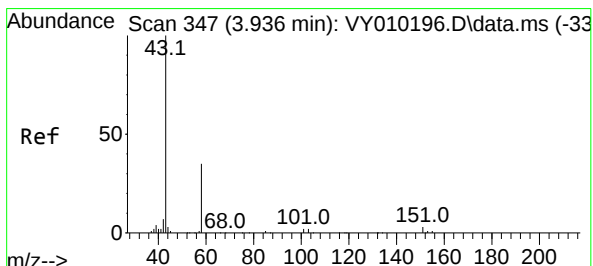
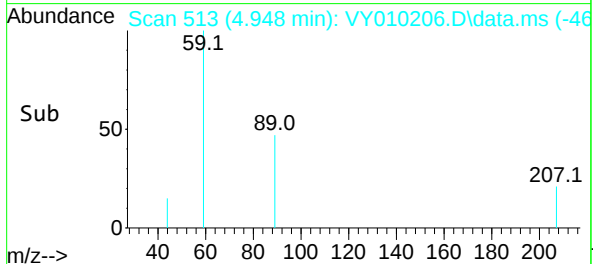
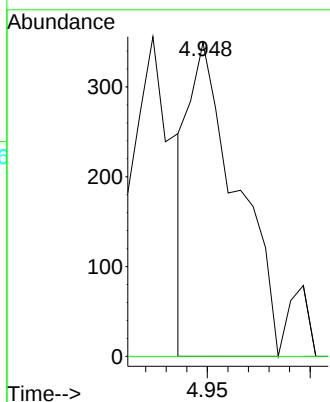
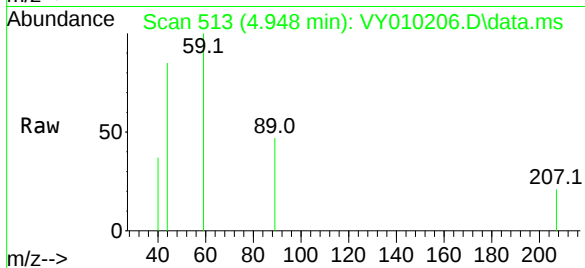
3-4-COMP-2

Tgt Ion: 59 Resp: 572

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 5.197 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.012 min

Lab File: VY010206.D

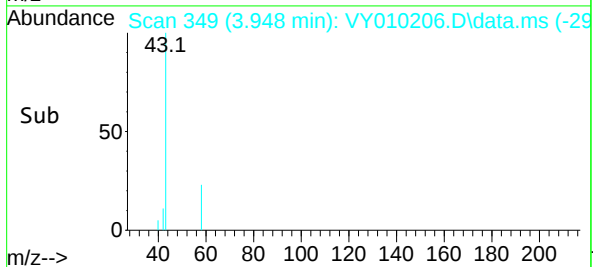
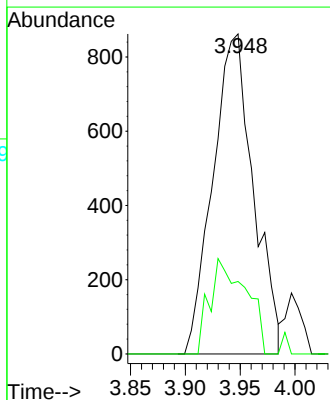
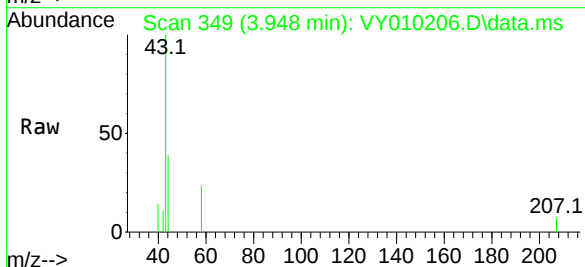
Acq: 25 Aug 2022 14:36

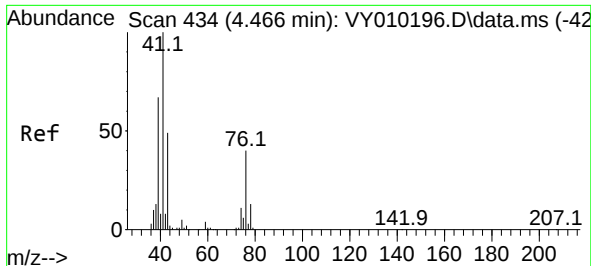
Tgt Ion: 43 Resp: 2218

Ion Ratio Lower Upper

43 100

58 22.6 22.0 33.0

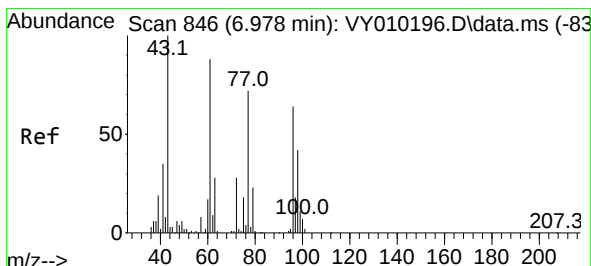
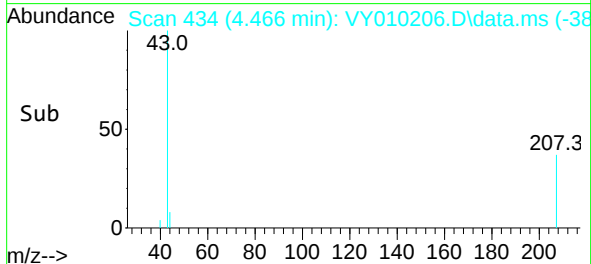
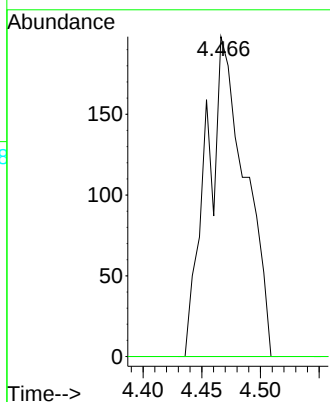
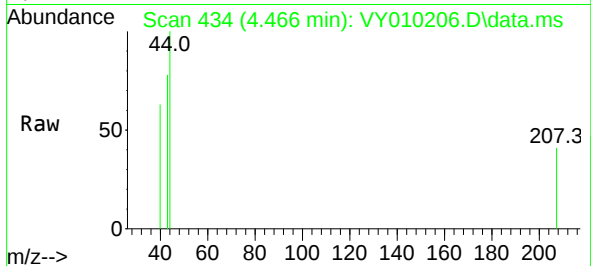




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010206.D
Acq: 25 Aug 2022 14:36

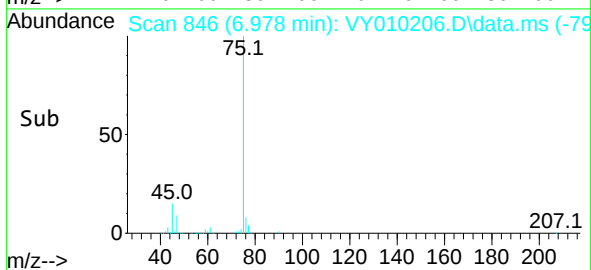
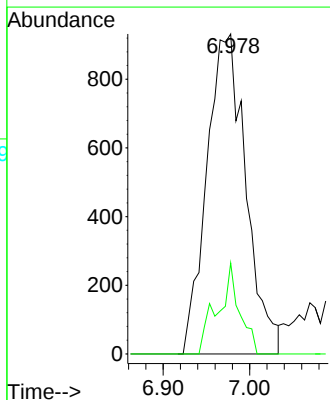
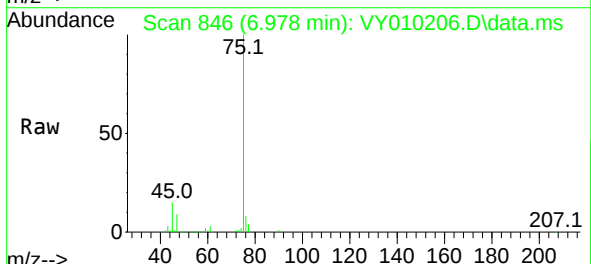
Instrument :
MSVOA_Y
ClientSampleId :
3-4-COMP-2

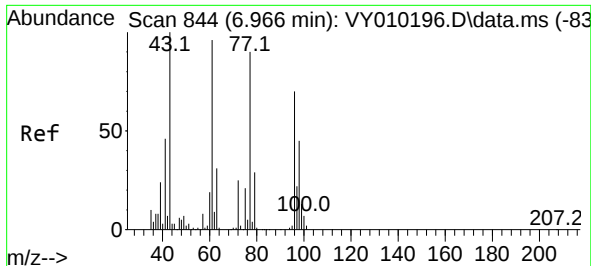
Tgt Ion: 43 Resp: 455
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#25
2-Butanone
Concen: 4.129 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010206.D
Acq: 25 Aug 2022 14:36

Tgt Ion: 43 Resp: 2926
Ion Ratio Lower Upper
43 100
72 28.4 17.7 26.5#

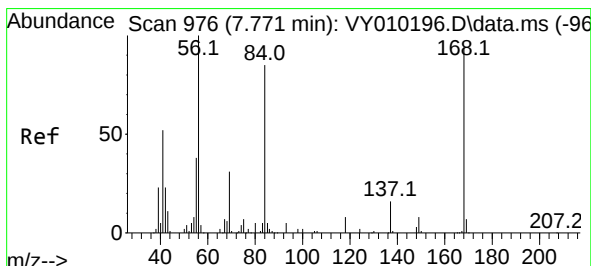
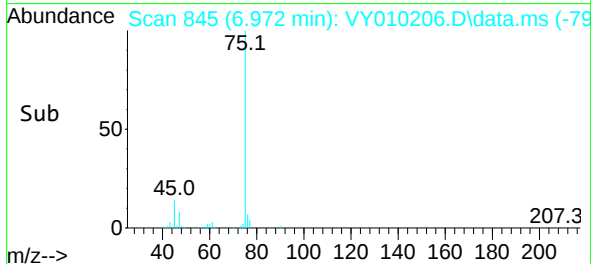
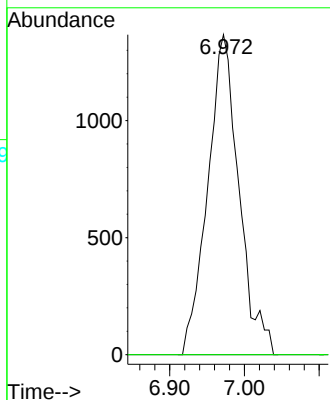
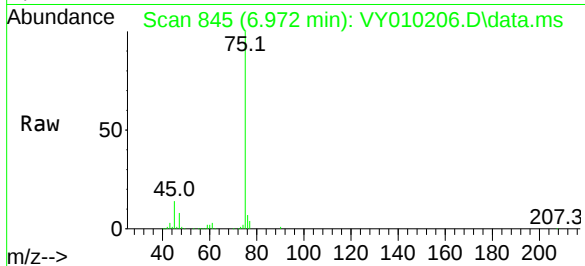




#26
2,2-Dichloropropane
Concen: 1.316 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY010206.D
Acq: 25 Aug 2022 14:36

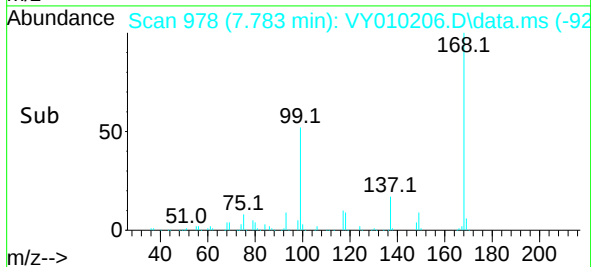
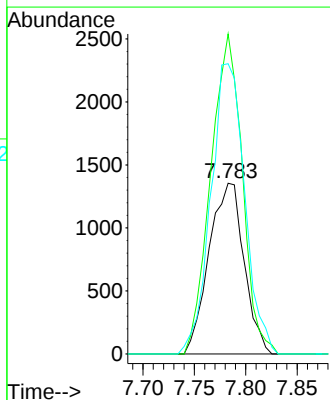
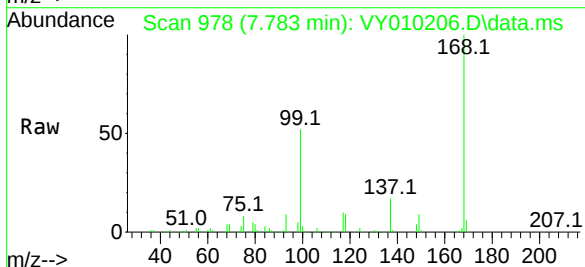
Instrument :
MSVOA_Y
ClientSampleId :
3-4-COMP-2

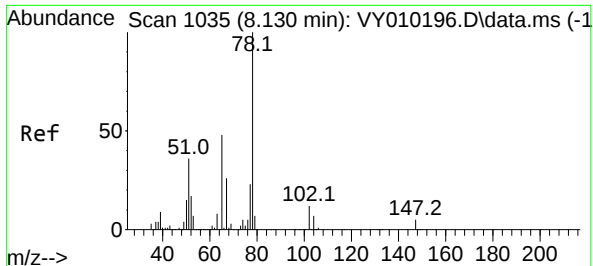
Tgt Ion: 77 Resp: 3973
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.012 min
Lab File: VY010206.D
Acq: 25 Aug 2022 14:36

Tgt Ion: 56 Resp: 3206
Ion Ratio Lower Upper
56 100
69 187.4 26.7 40.1#
84 170.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 66.353 ug/l

RT: 8.136 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VY010206.D

Acq: 25 Aug 2022 14:36

Instrument :

MSVOA_Y

ClientSampleId :

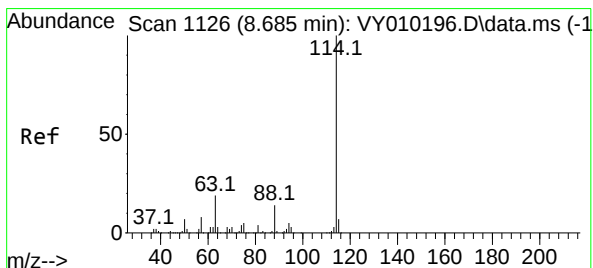
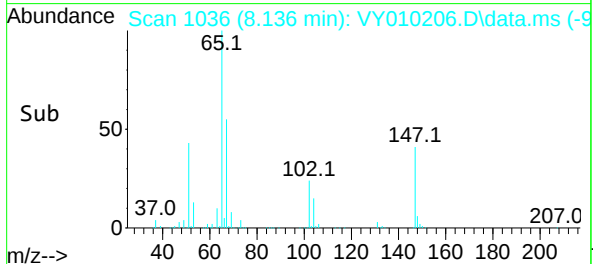
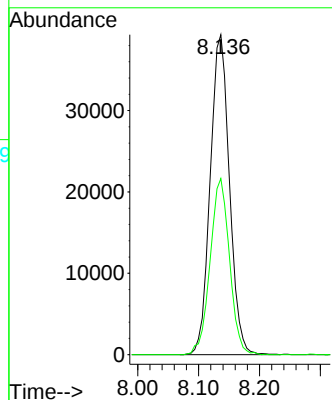
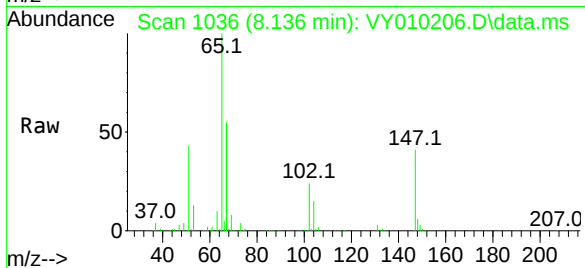
3-4-COMP-2

Tgt Ion: 65 Resp: 86180

Ion Ratio Lower Upper

65 100

67 55.5 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: VY010206.D

Acq: 25 Aug 2022 14:36

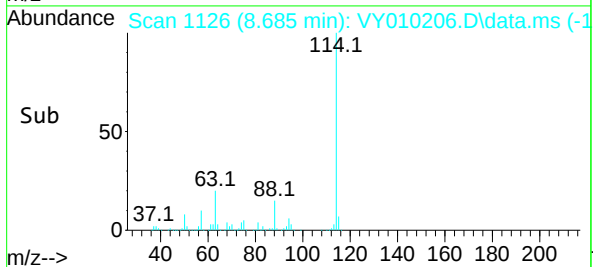
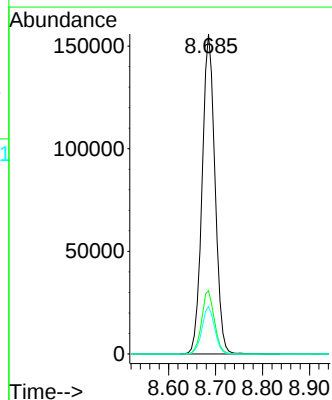
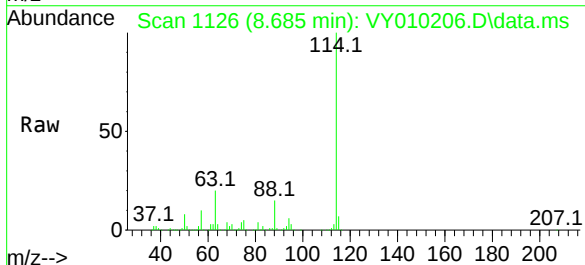
Tgt Ion: 114 Resp: 295749

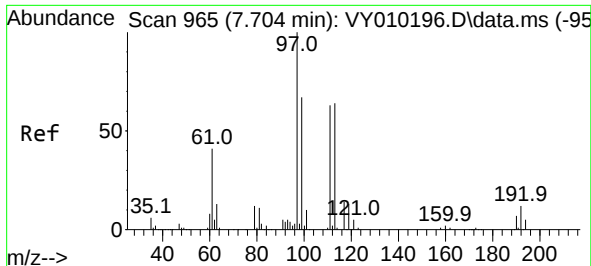
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 14.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 40.734 ug/l

RT: 7.710 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY010206.D

Acq: 25 Aug 2022 14:36

Instrument :

MSVOA_Y

ClientSampleId :

3-4-COMP-2

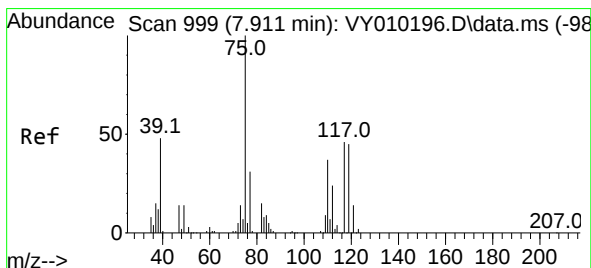
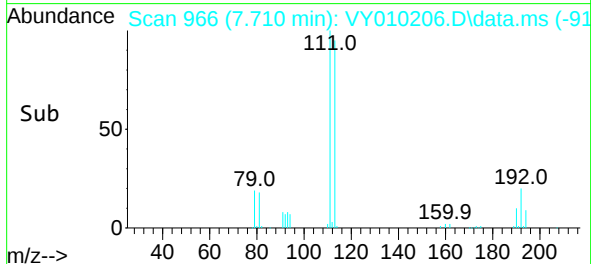
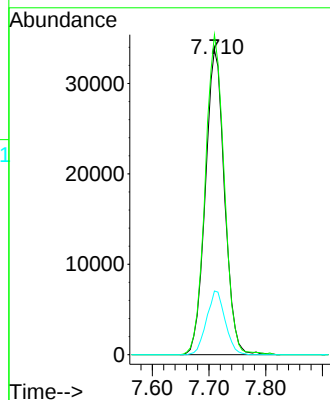
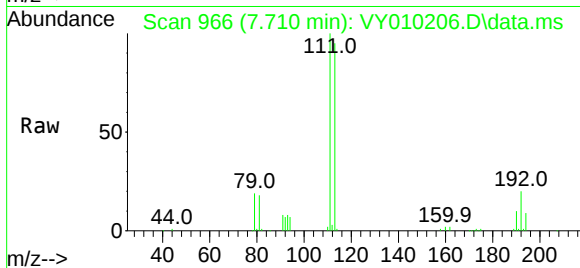
Tgt Ion:113 Resp: 78987

Ion Ratio Lower Upper

113 100

111 104.3 82.6 124.0

192 20.2 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.399 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY010206.D

Acq: 25 Aug 2022 14:36

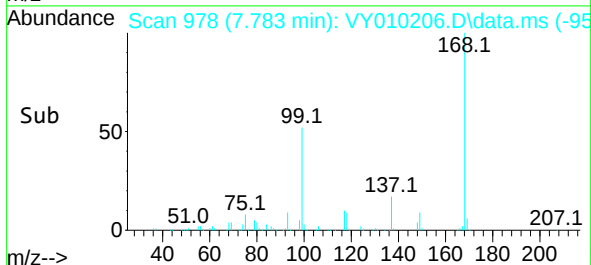
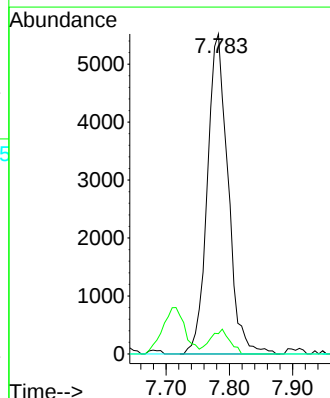
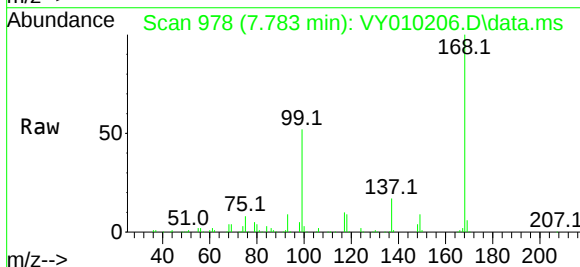
Tgt Ion: 75 Resp: 12546

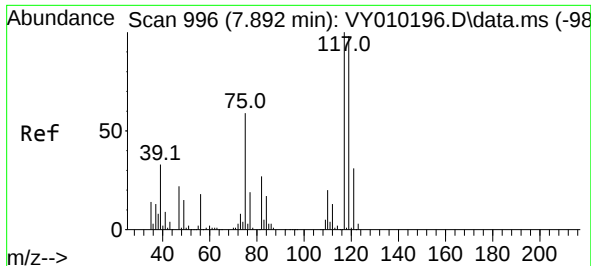
Ion Ratio Lower Upper

75 100

110 7.2 17.1 51.2#

77 0.0 24.4 36.6#

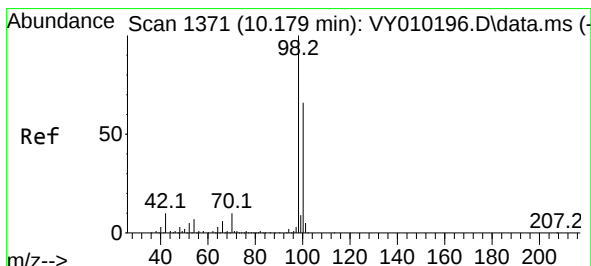
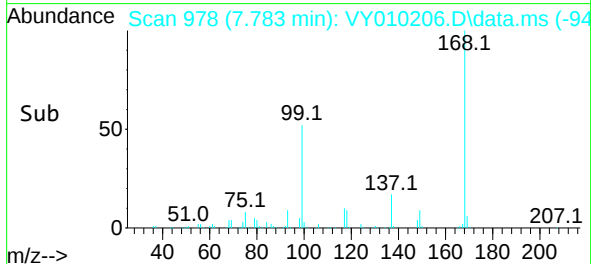
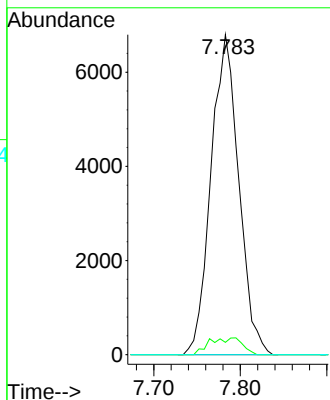
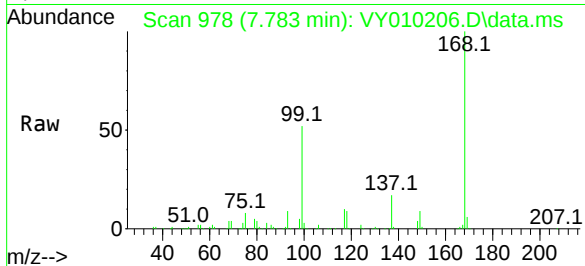




#38
Carbon Tetrachloride
Concen: 5.010 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010206.D
Acq: 25 Aug 2022 14:36

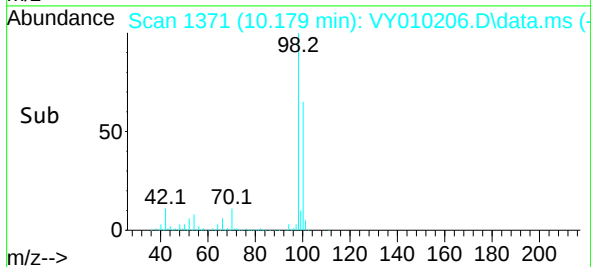
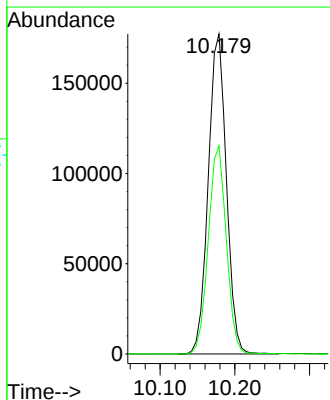
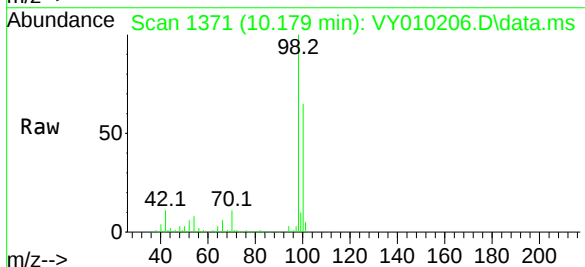
Instrument :
MSVOA_Y
ClientSampleId :
3-4-COMP-2

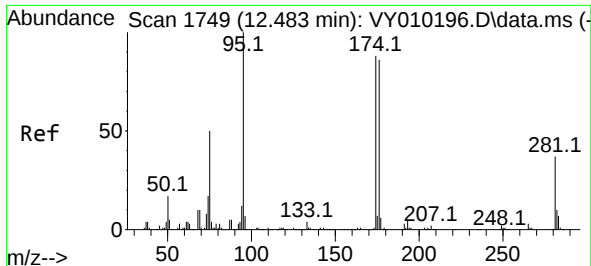
Tgt Ion:117 Resp: 15135
Ion Ratio Lower Upper
117 100
119 3.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 44.341 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010206.D
Acq: 25 Aug 2022 14:36

Tgt Ion: 98 Resp: 298382
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2

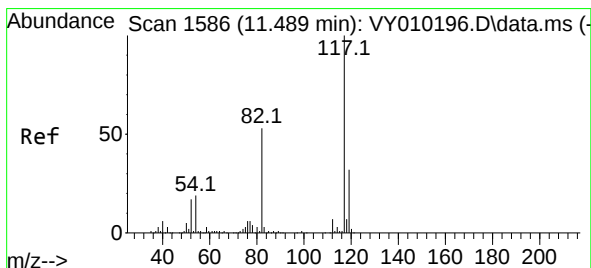
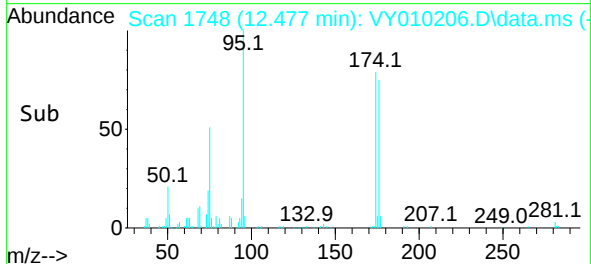
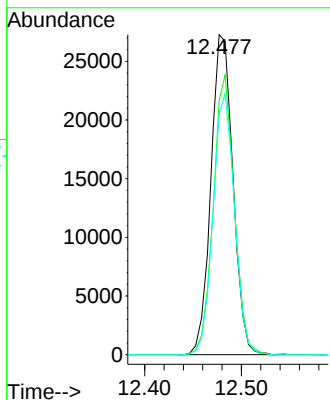
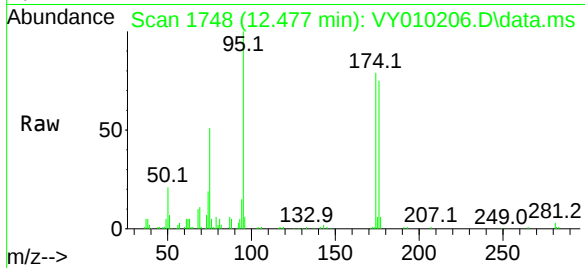




#62
4-Bromofluorobenzene
Concen: 16.742 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010206.D
Acq: 25 Aug 2022 14:36

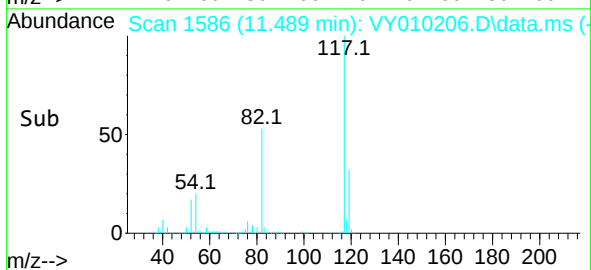
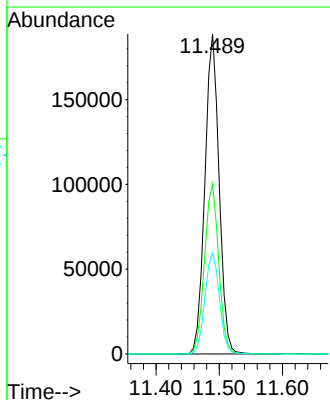
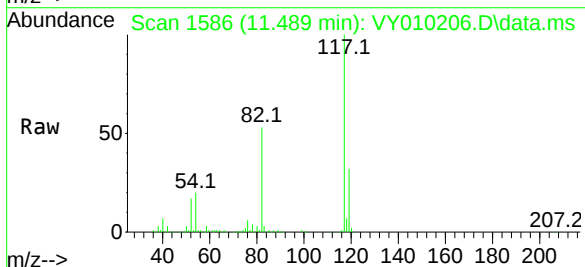
Instrument :
MSVOA_Y
ClientSampleId :
3-4-COMP-2

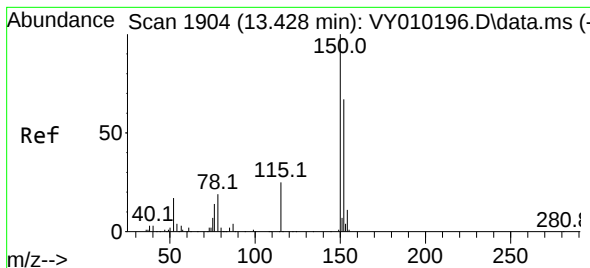
Tgt Ion: 95 Resp: 43161
Ion Ratio Lower Upper
95 100
174 83.4 0.0 177.0
176 79.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010206.D
Acq: 25 Aug 2022 14:36

Tgt Ion: 117 Resp: 295201
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 31.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY010206.D

Acq: 25 Aug 2022 14:36

Instrument :

MSVOA_Y

ClientSampleId :

3-4-COMP-2

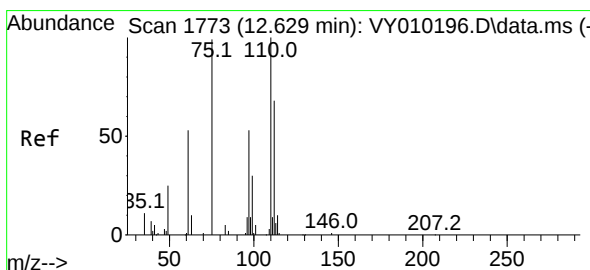
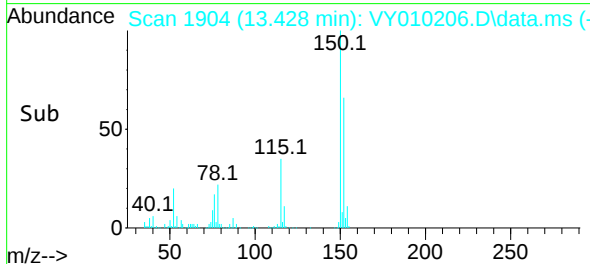
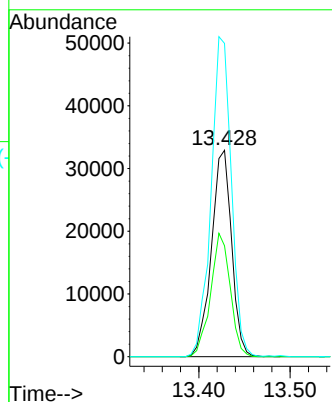
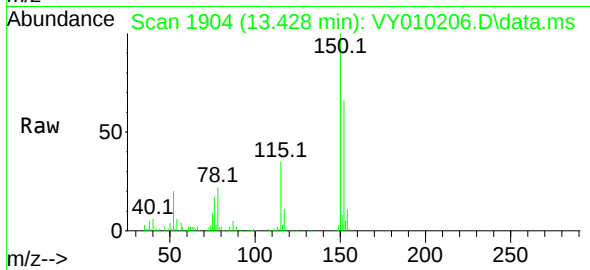
Tgt Ion:152 Resp: 50510

Ion Ratio Lower Upper

152 100

115 57.9 28.2 84.7

150 155.2 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 40.546 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY010206.D

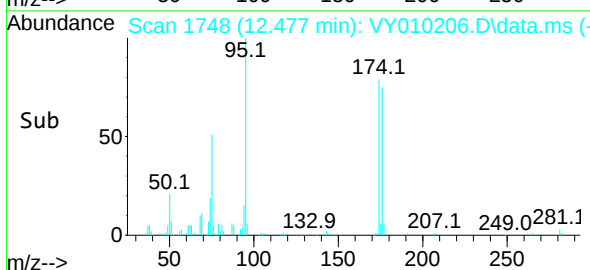
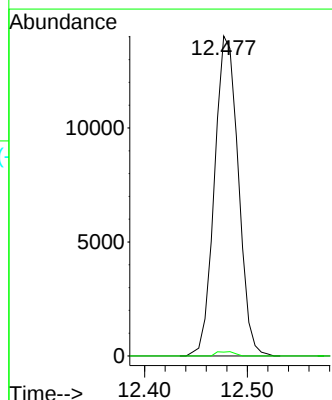
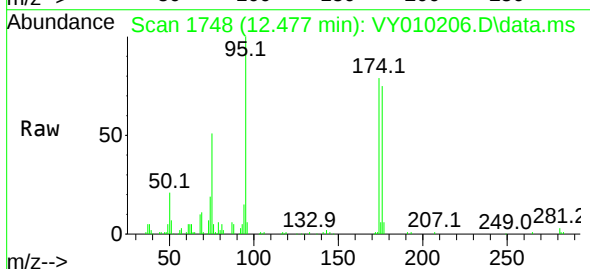
Acq: 25 Aug 2022 14:36

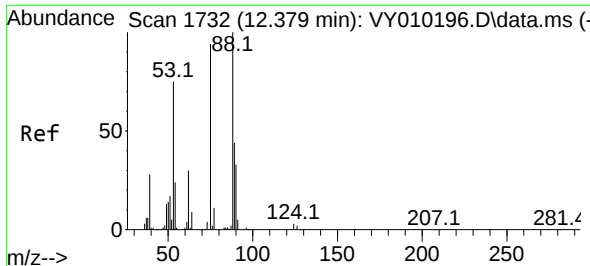
Tgt Ion: 75 Resp: 22556

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

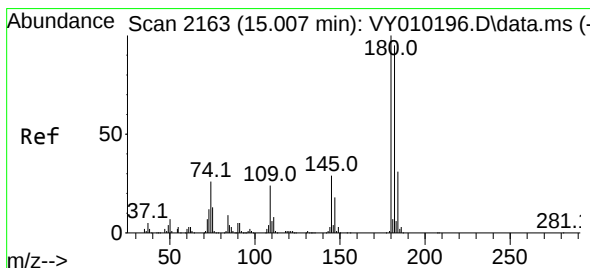
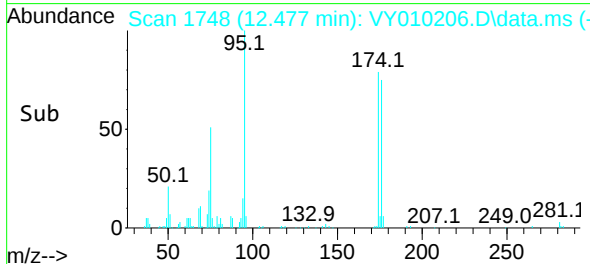
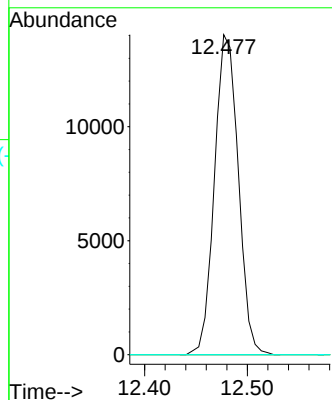
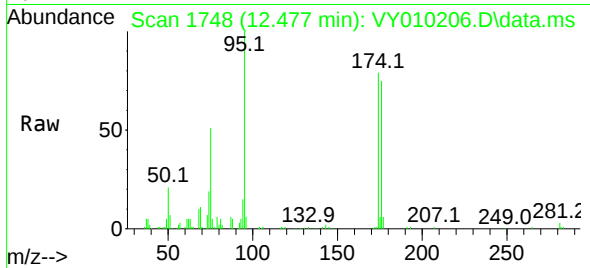




#81
trans-1,4-Dichloro-2-butene
Concen: 86.212 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY010206.D
Acq: 25 Aug 2022 14:36

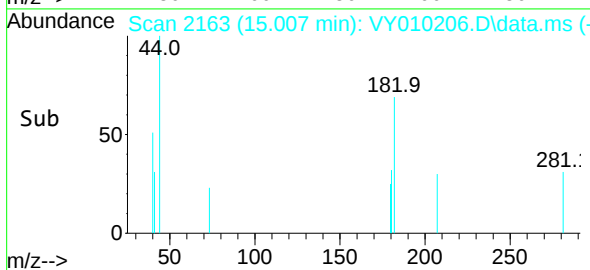
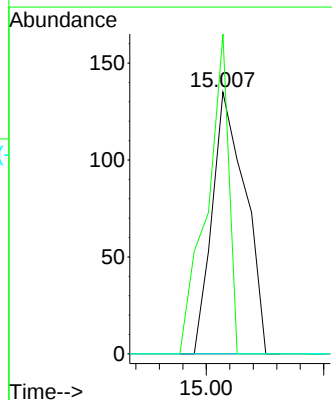
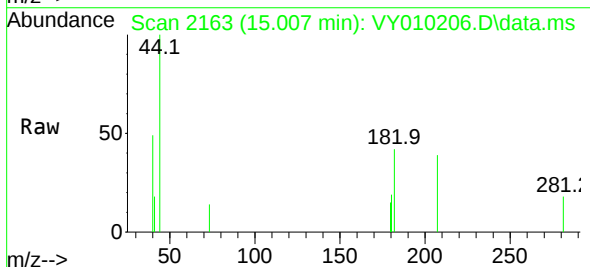
Instrument :
MSVOA_Y
ClientSampleId :
3-4-COMP-2

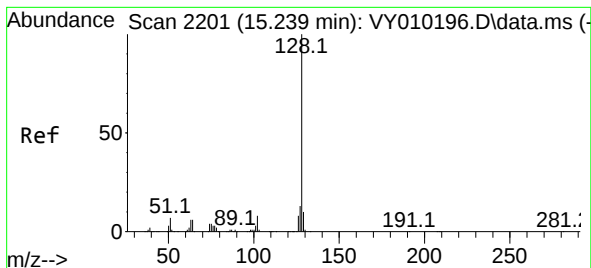
Tgt Ion: 75 Resp: 22556
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 4.710 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY010206.D
Acq: 25 Aug 2022 14:36

Tgt Ion: 180 Resp: 132
Ion Ratio Lower Upper
180 100
182 80.3 47.3 141.9
145 0.0 14.6 43.8#





#95

Naphthalene

Concen: 6.121 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY010206.D

Acq: 25 Aug 2022 14:36

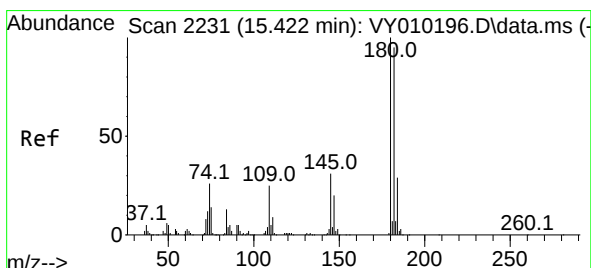
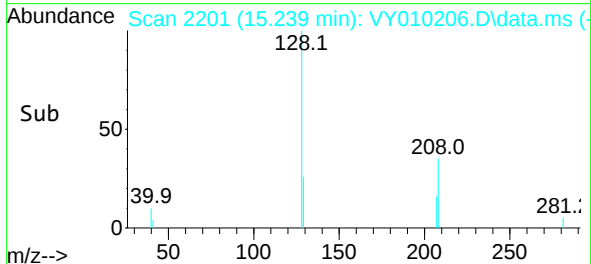
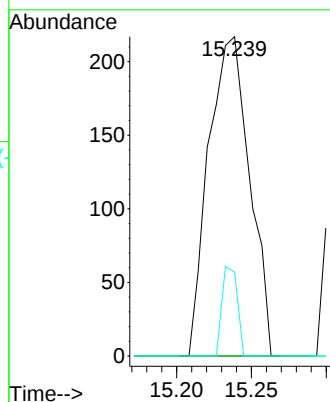
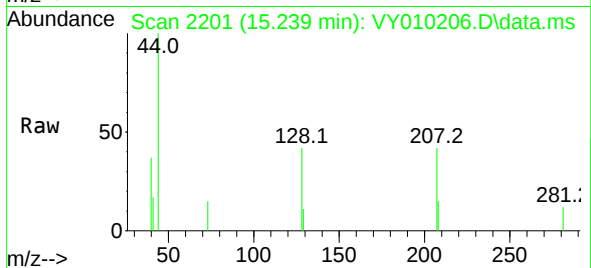
Instrument :

MSVOA_Y

ClientSampleId :

3-4-COMP-2

Tgt Ion:128	Resp:	414
Ion	Ratio	Lower Upper
128	100	
127	0.0	11.0 16.4#
129	10.4	8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 4.697 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.012 min

Lab File: VY010206.D

Acq: 25 Aug 2022 14:36

Tgt Ion:180	Resp:	66
Ion	Ratio	Lower Upper
180	100	
182	192.4	47.3 141.9#
145	0.0	15.3 45.9#

