

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082322\
 Data File : VY010166.D
 Acq On : 23 Aug 2022 15:35
 Operator : KP/MD
 Sample : N4200-04RE
 Misc : 7.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S9RE

Quant Time: Aug 24 04:33:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

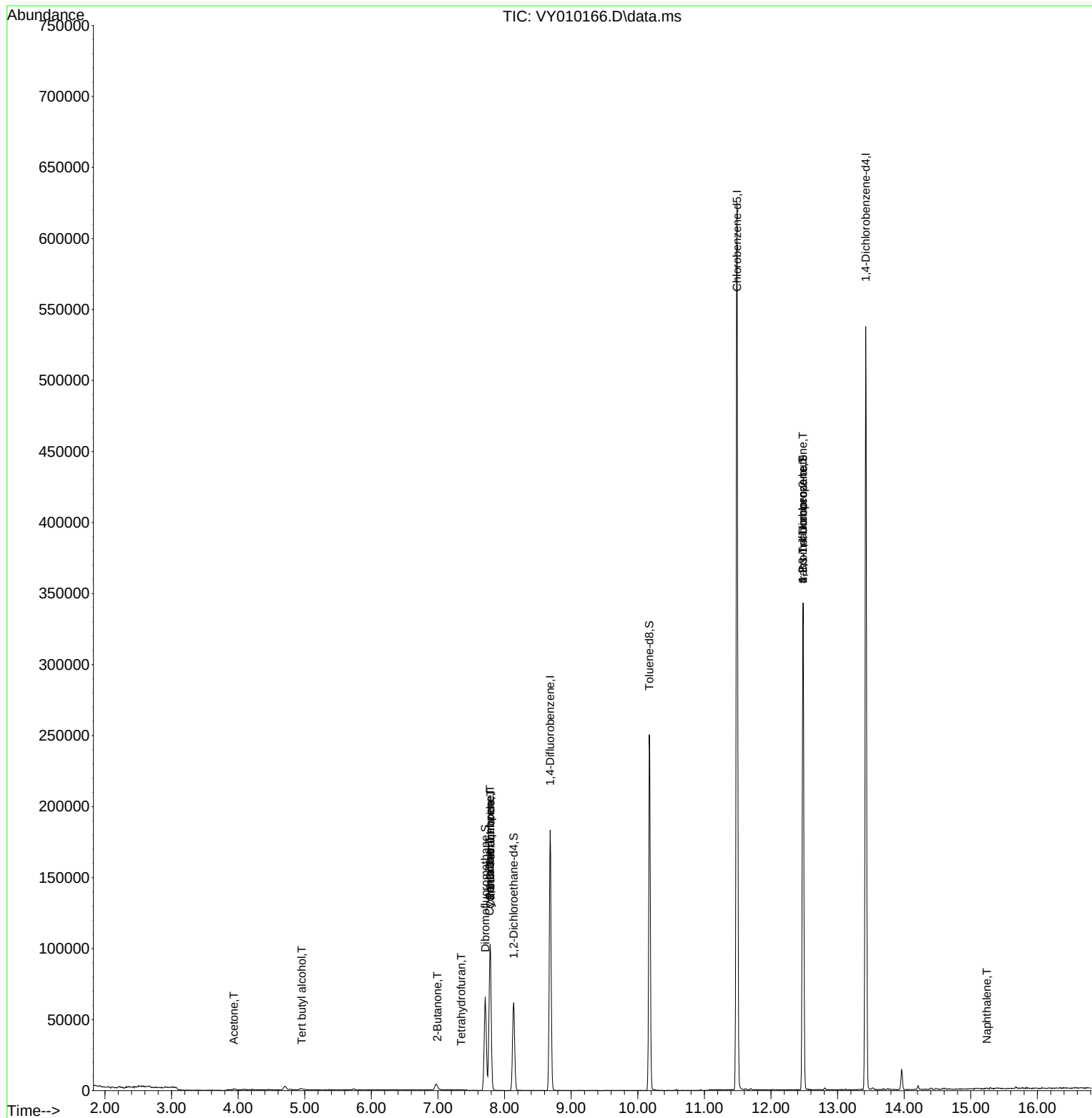
Internal Standards						
1) Pentafluorobenzene	7.783	168	81951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	156020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	347964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	141024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	48152	71.734	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.460%	
35) Dibromofluoromethane	7.710	113	44886	51.056	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.120%	
50) Toluene-d8	10.173	98	162530	49.338	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.680%	
62) 4-Bromofluorobenzene	12.477	95	103739	88.138	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 176.280%#	
Target Compounds						
11) Tert butyl alcohol	4.954	59	2185	40.541	ug/l #	78
16) Acetone	3.936	43	1101	6.553	ug/l #	77
20) Methylene Chloride	4.698	84	2103	Below Cal		92
25) 2-Butanone	6.990	43	296	1.095	ug/l #	46
29) Tetrahydrofuran	7.350	42	198	1.146	ug/l #	31
31) Cyclohexane	7.777	56	1575	1.145	ug/l #	5
36) 1,1-Dichloropropene	7.783	75	6133	4.370	ug/l #	48
38) Carbon Tetrachloride	7.789	117	7514	5.106	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	50879	38.523	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	50879	77.375	ug/l #	18
95) Naphthalene	15.239	128	631	3.996	ug/l #	81

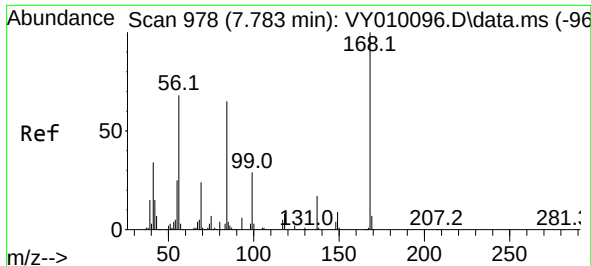
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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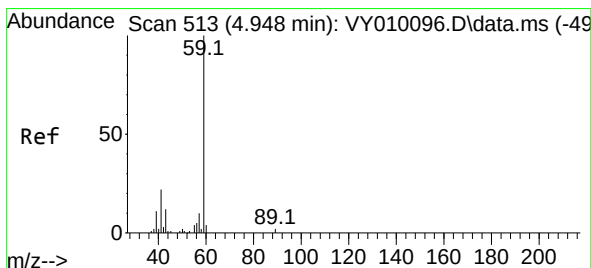
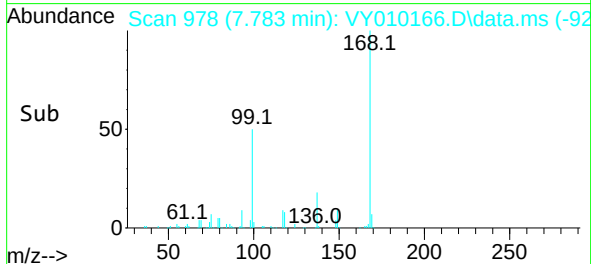
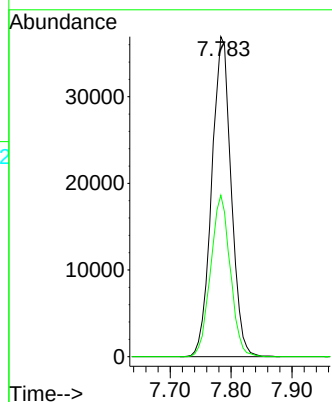
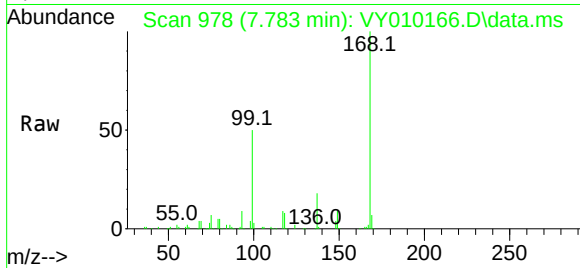




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010166.D
Acq: 23 Aug 2022 15:35

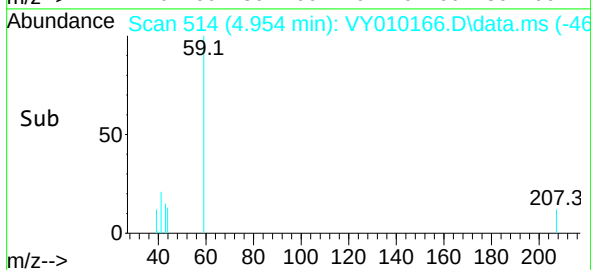
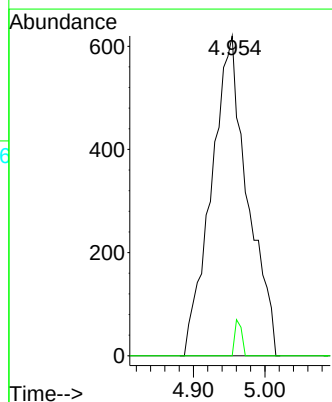
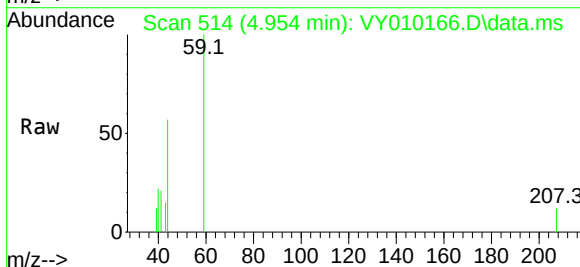
Instrument :
MSVOA_Y
ClientSampleId :
S9RE

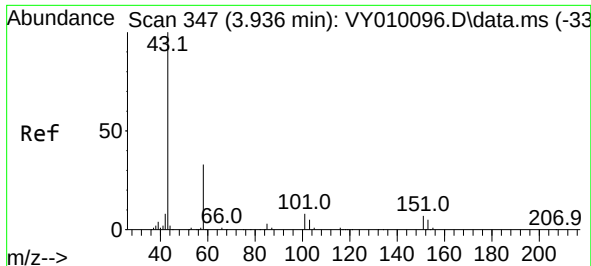
Tgt Ion:168 Resp: 81951
Ion Ratio Lower Upper
168 100
99 50.5 40.7 61.1



#11
Tert butyl alcohol
Concen: 40.541 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY010166.D
Acq: 23 Aug 2022 15:35

Tgt Ion: 59 Resp: 2185
Ion Ratio Lower Upper
59 100
57 2.1 8.2 12.2#

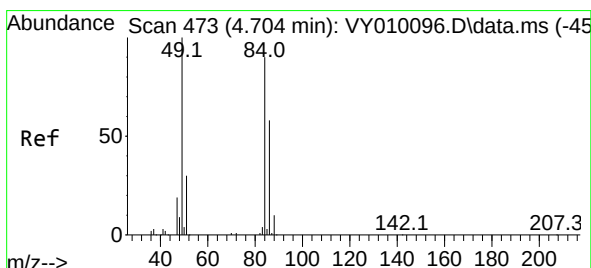
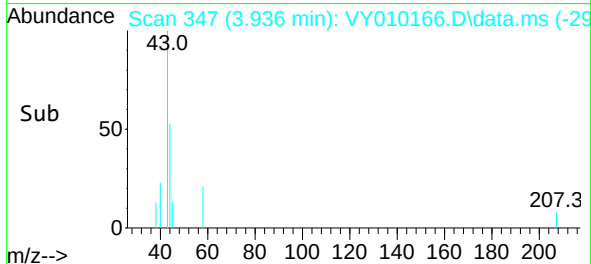
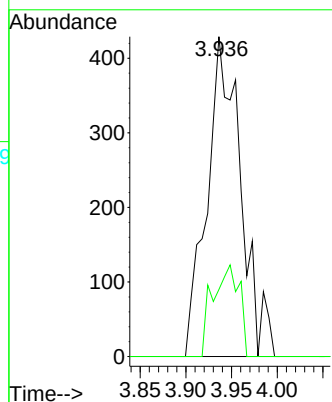
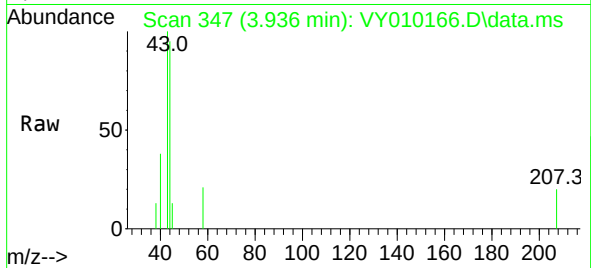




#16
Acetone
Concen: 6.553 ug/l
RT: 3.936 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY010166.D
Acq: 23 Aug 2022 15:35

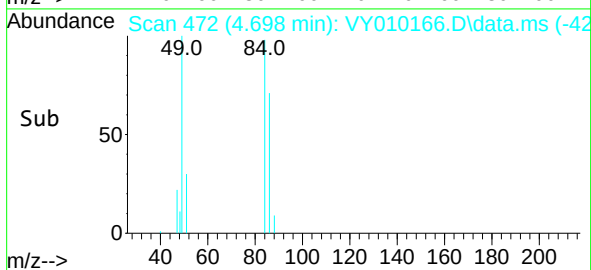
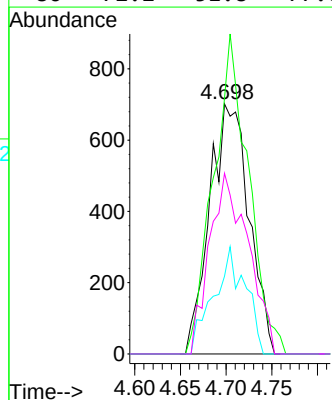
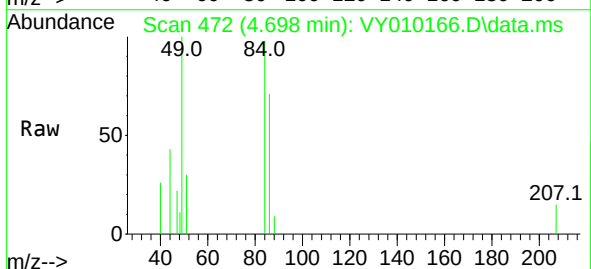
Instrument :
MSVOA_Y
ClientSampleId :
S9RE

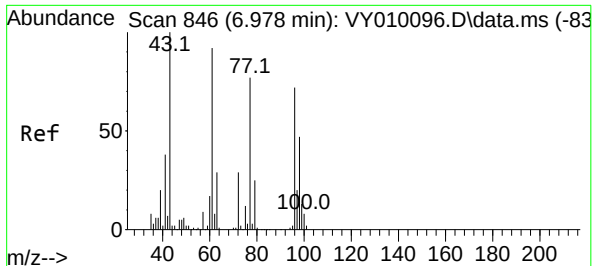
Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
58 21.0 27.4 41.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY010166.D
Acq: 23 Aug 2022 15:35

Tgt Ion: 84 Resp: 2103
Ion Ratio Lower Upper
84 100
49 102.3 89.0 133.4
51 31.1 27.0 40.6
86 72.2 51.8 77.6





#25

2-Butanone

Concen: 1.095 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY010166.D

Acq: 23 Aug 2022 15:35

Instrument :

MSVOA_Y

ClientSampleId :

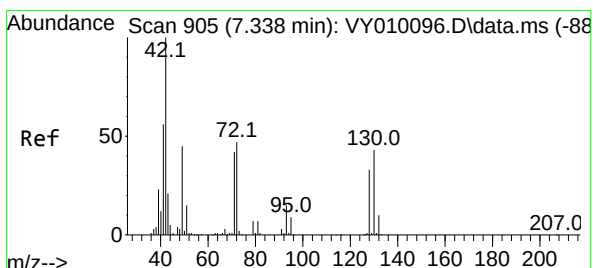
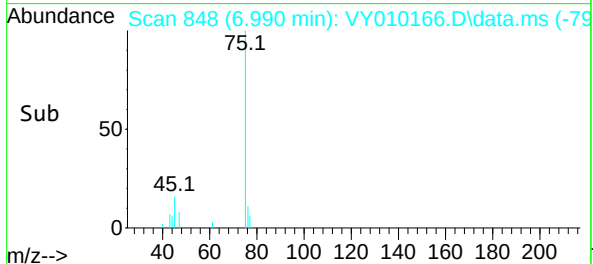
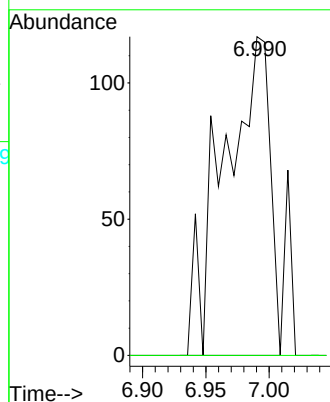
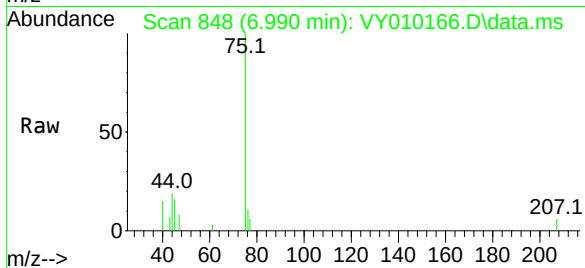
S9RE

Tgt Ion: 43 Resp: 296

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



#29

Tetrahydrofuran

Concen: 1.146 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.012 min

Lab File: VY010166.D

Acq: 23 Aug 2022 15:35

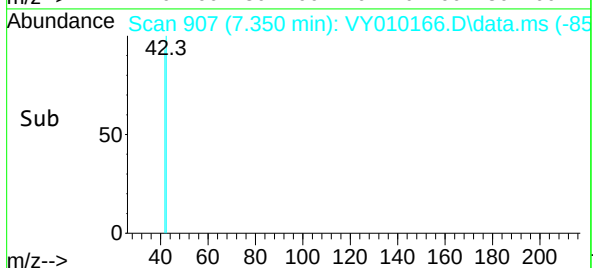
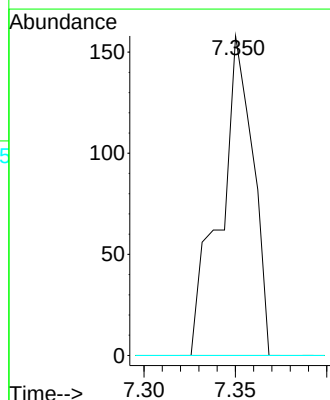
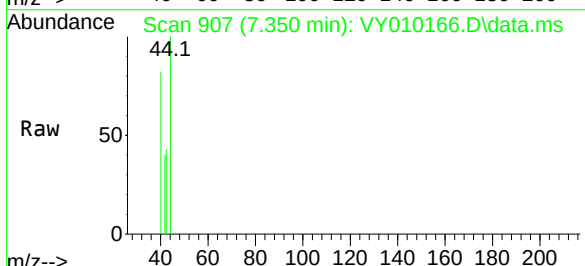
Tgt Ion: 42 Resp: 198

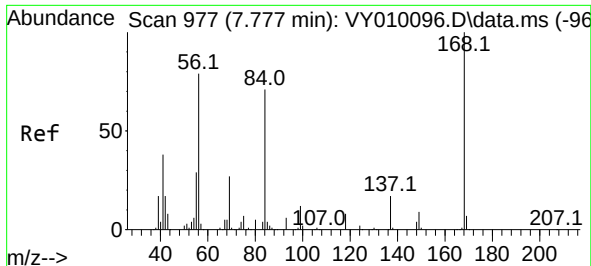
Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

71 0.0 34.9 52.3#

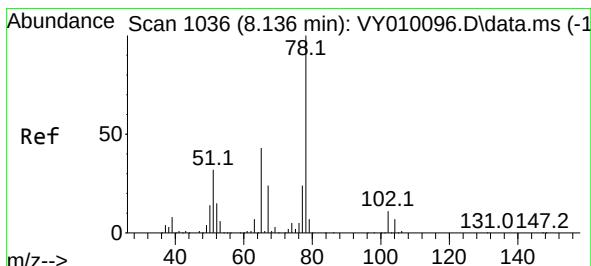
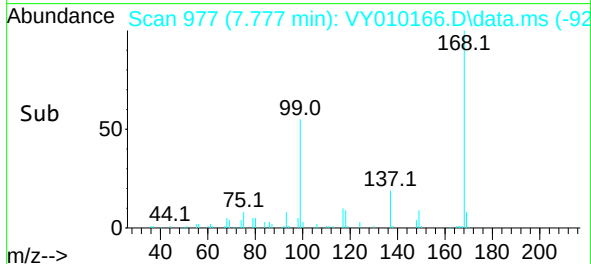
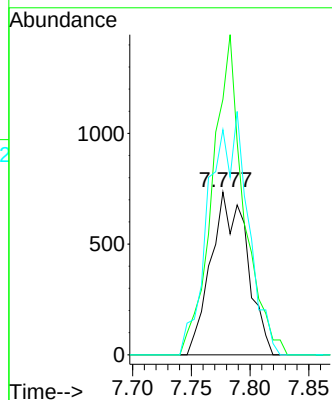
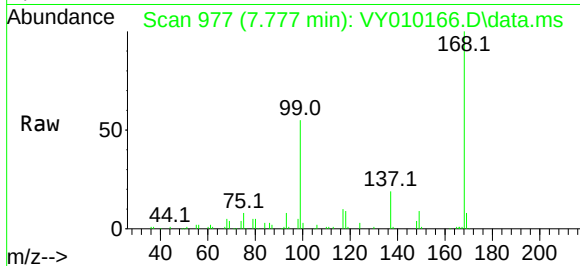




#31
Cyclohexane
Concen: 1.145 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010166.D
Acq: 23 Aug 2022 15:35

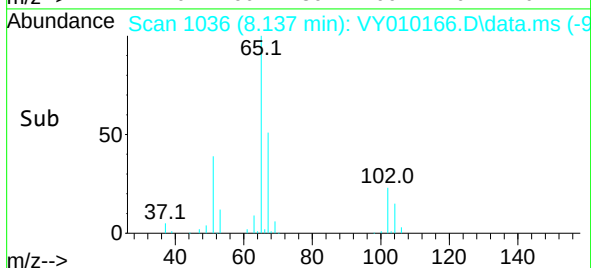
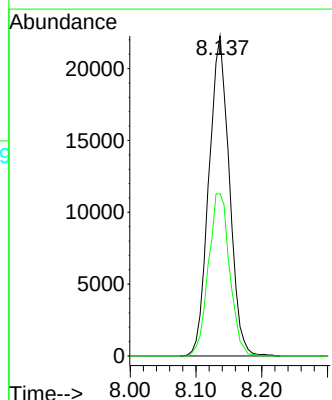
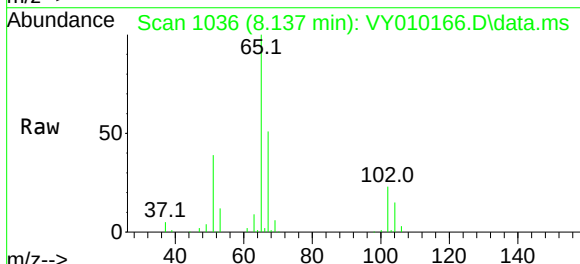
Instrument :
MSVOA_Y
ClientSampleId :
S9RE

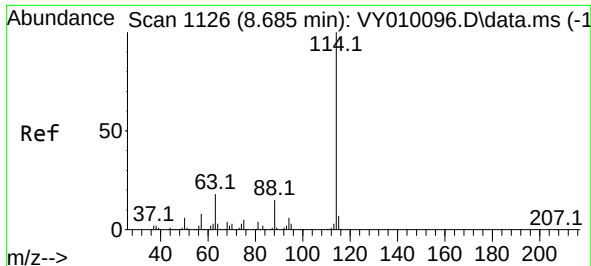
Tgt Ion: 56 Resp: 1575
Ion Ratio Lower Upper
56 100
69 157.0 27.3 40.9#
84 138.4 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 71.734 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010166.D
Acq: 23 Aug 2022 15:35

Tgt Ion: 65 Resp: 48152
Ion Ratio Lower Upper
65 100
67 52.6 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010166.D

Acq: 23 Aug 2022 15:35

Instrument :

MSVOA_Y

ClientSampleId :

S9RE

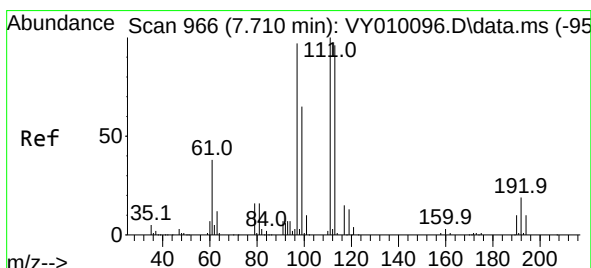
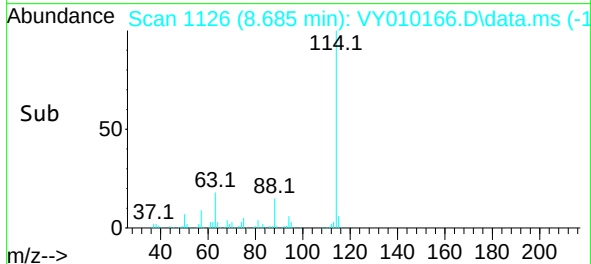
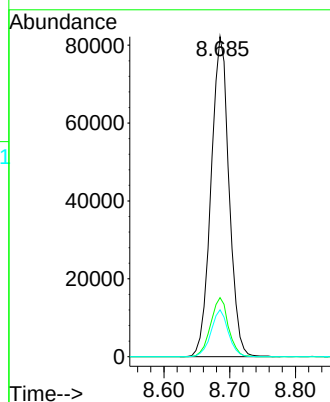
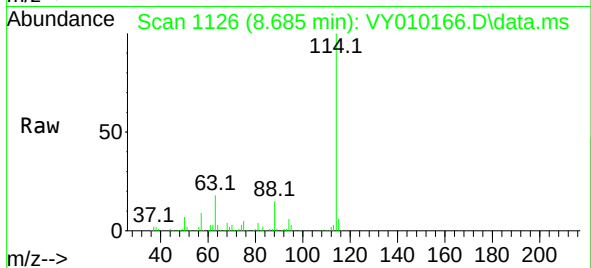
Tgt Ion:114 Resp: 156020

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

88 14.7 0.0 29.6



#35

Dibromofluoromethane

Concen: 51.056 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010166.D

Acq: 23 Aug 2022 15:35

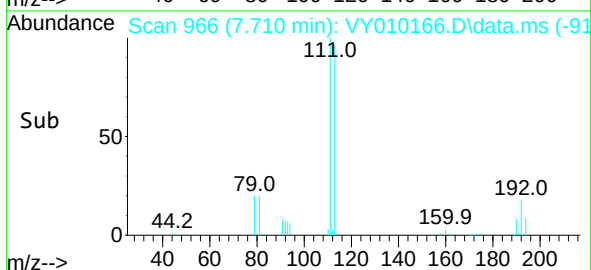
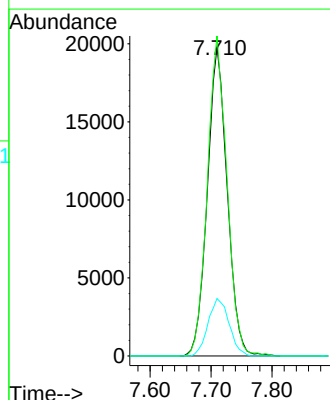
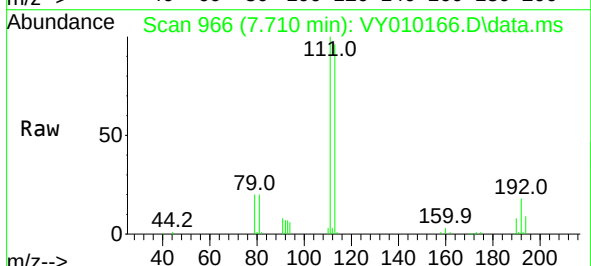
Tgt Ion:113 Resp: 44886

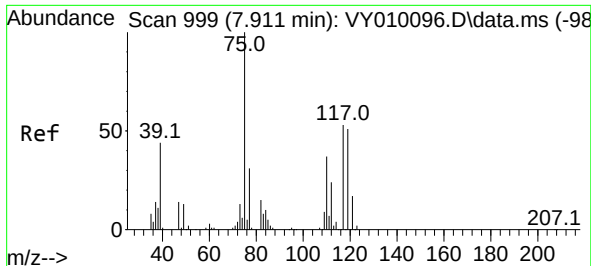
Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

192 19.7 16.3 24.5

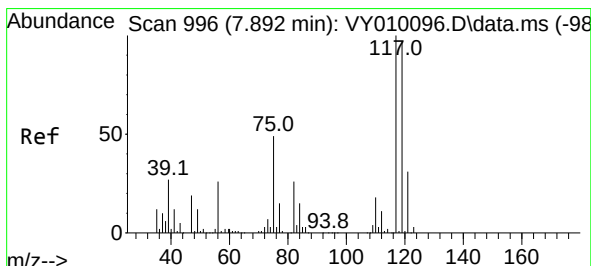
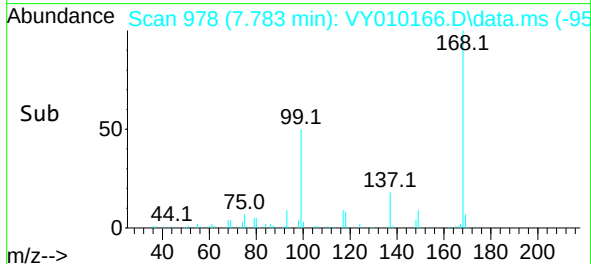
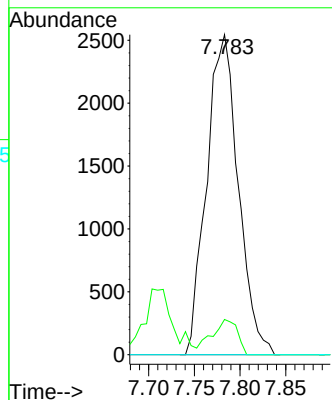
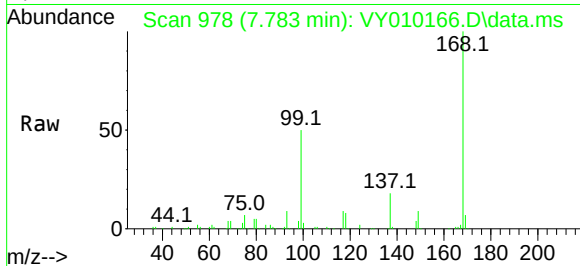




#36
1,1-Dichloropropene
Concen: 4.370 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010166.D
Acq: 23 Aug 2022 15:35

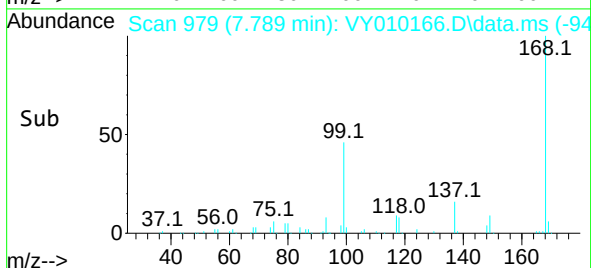
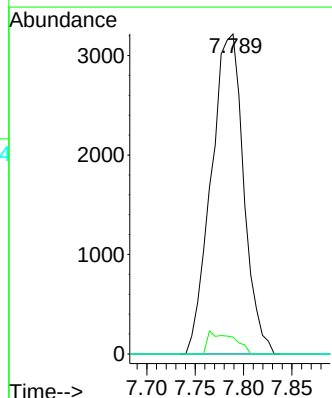
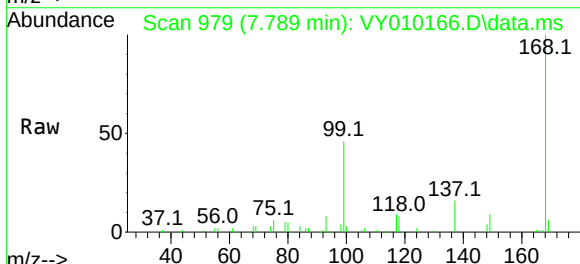
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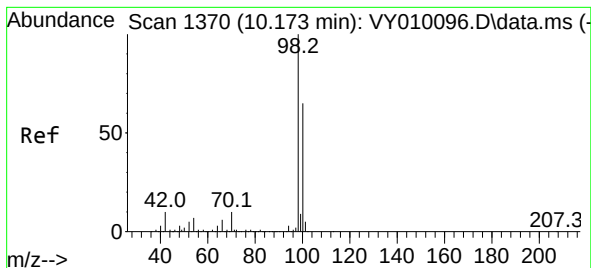
Tgt Ion: 75 Resp: 6133
Ion Ratio Lower Upper
75 100
110 8.9 18.6 56.0#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.106 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.103 min
Lab File: VY010166.D
Acq: 23 Aug 2022 15:35

Tgt Ion: 117 Resp: 7514
Ion Ratio Lower Upper
117 100
119 5.2 77.1 115.7#
121 0.0 24.7 37.1#

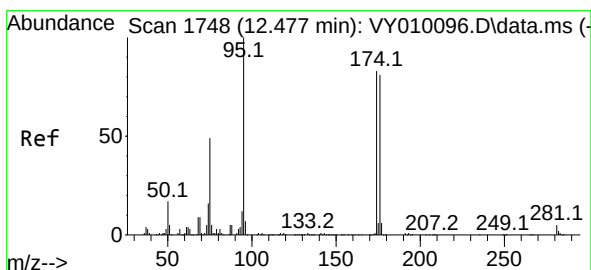
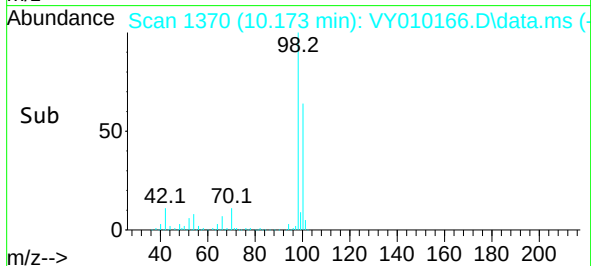
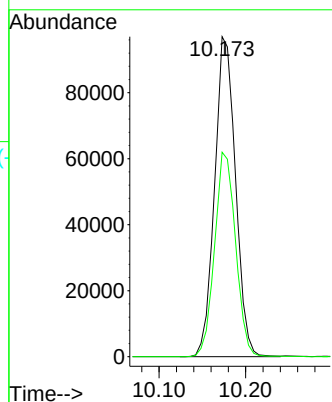
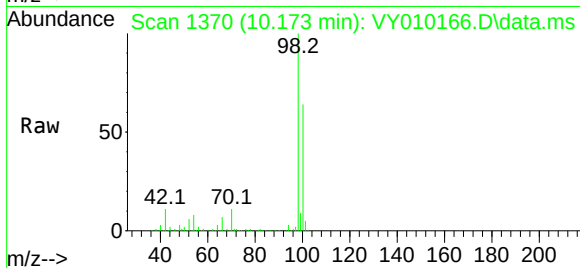




#50
Toluene-d8
Concen: 49.338 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010166.D
Acq: 23 Aug 2022 15:35

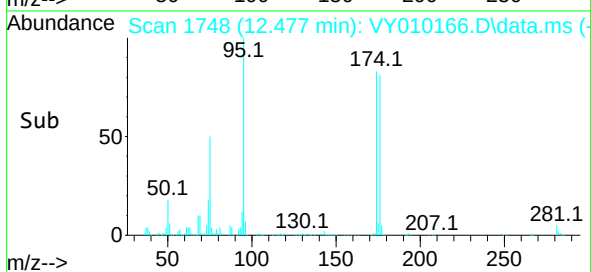
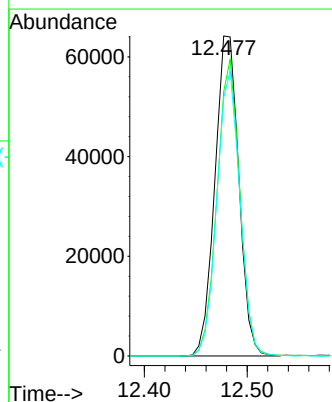
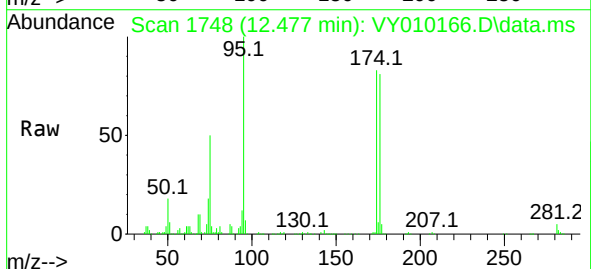
Instrument :
MSVOA_Y
ClientSampleId :
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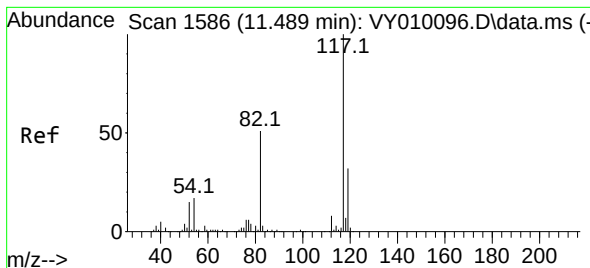
Tgt Ion: 98 Resp: 162530
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 88.138 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010166.D
Acq: 23 Aug 2022 15:35

Tgt Ion: 95 Resp: 103739
Ion Ratio Lower Upper
95 100
174 88.3 0.0 173.8
176 85.6 0.0 167.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010166.D

Acq: 23 Aug 2022 15:35

Instrument :

MSVOA_Y

ClientSampleId :

S9RE

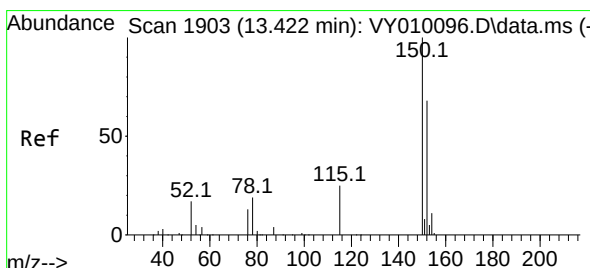
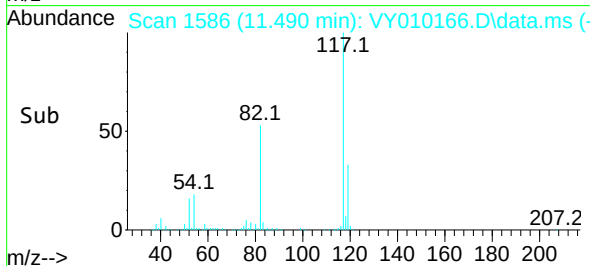
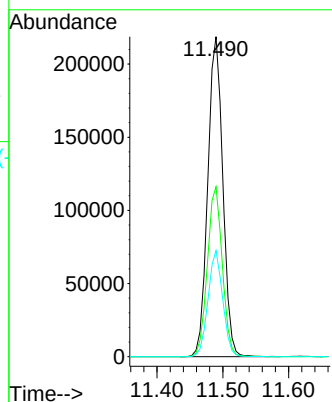
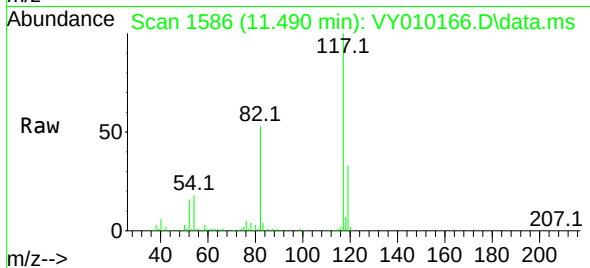
Tgt Ion:117 Resp: 347964

Ion Ratio Lower Upper

117 100

82 53.1 40.6 61.0

119 33.2 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY010166.D

Acq: 23 Aug 2022 15:35

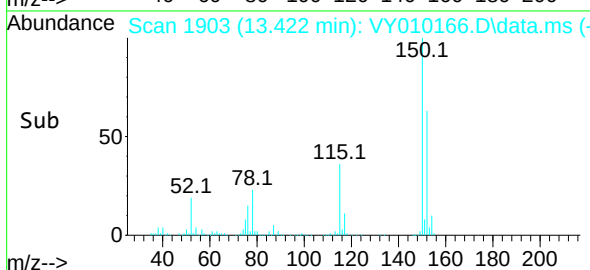
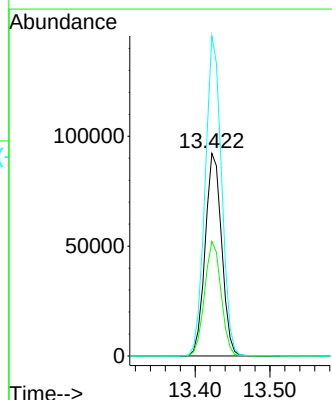
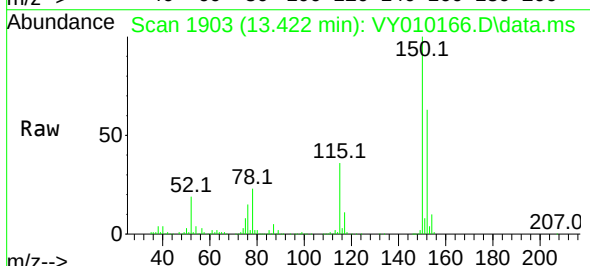
Tgt Ion:152 Resp: 141024

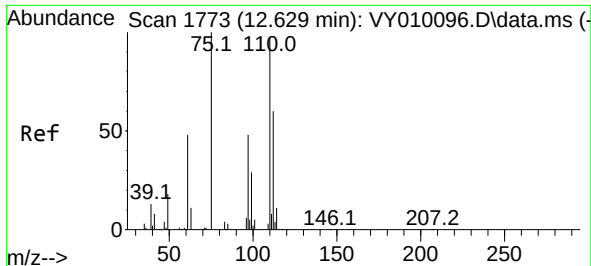
Ion Ratio Lower Upper

152 100

115 56.4 28.1 84.2

150 157.3 0.0 346.2

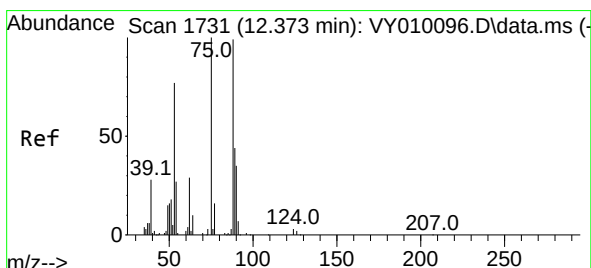
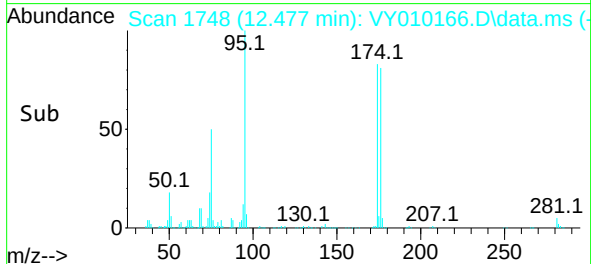
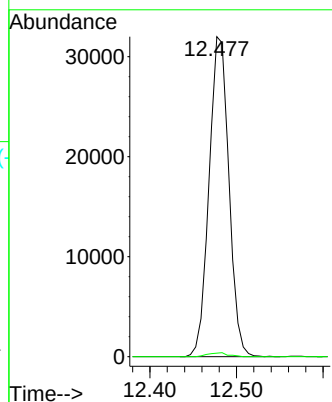
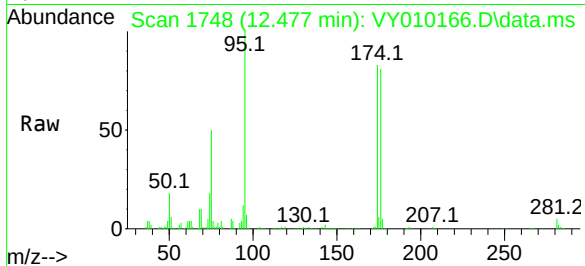




#76
1,2,3-Trichloropropane
Concen: 38.523 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010166.D
Acq: 23 Aug 2022 15:35

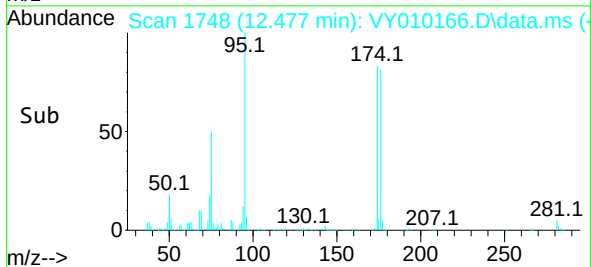
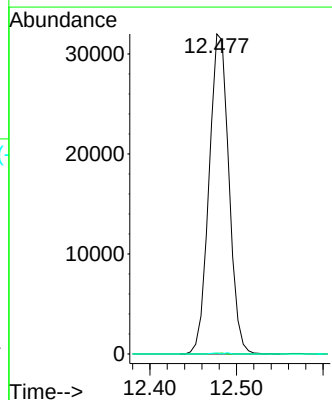
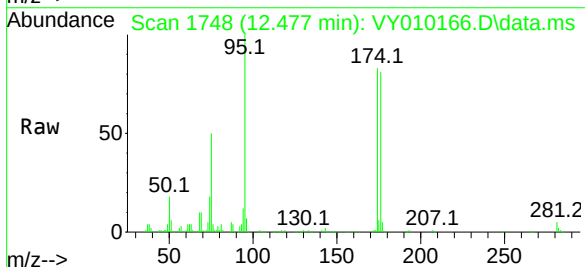
Instrument :
MSVOA_Y
ClientSampleId :
S9RE

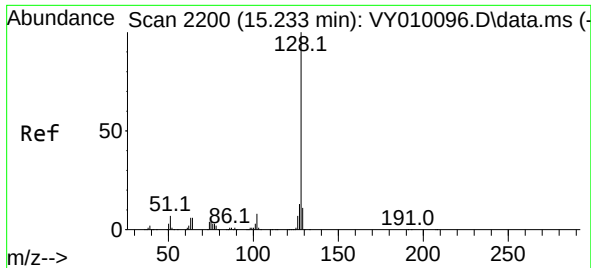
Tgt Ion: 75 Resp: 50879
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.375 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010166.D
Acq: 23 Aug 2022 15:35

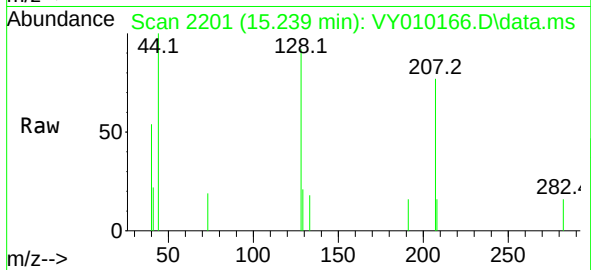
Tgt Ion: 75 Resp: 50879
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.1 36.8 55.2#





#95
Naphthalene
Concen: 3.996 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY010166.D
Acq: 23 Aug 2022 15:35

Instrument :
MSVOA_Y
ClientSampleId :
S9RE



Tgt Ion:128 Resp: 631
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 12.2 8.9 13.3

