

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010115.D
 Acq On : 19 Aug 2022 19:50
 Operator : KP/MD
 Sample : N4217-06
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP2-0815

Quant Time: Aug 22 02:45:18 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)

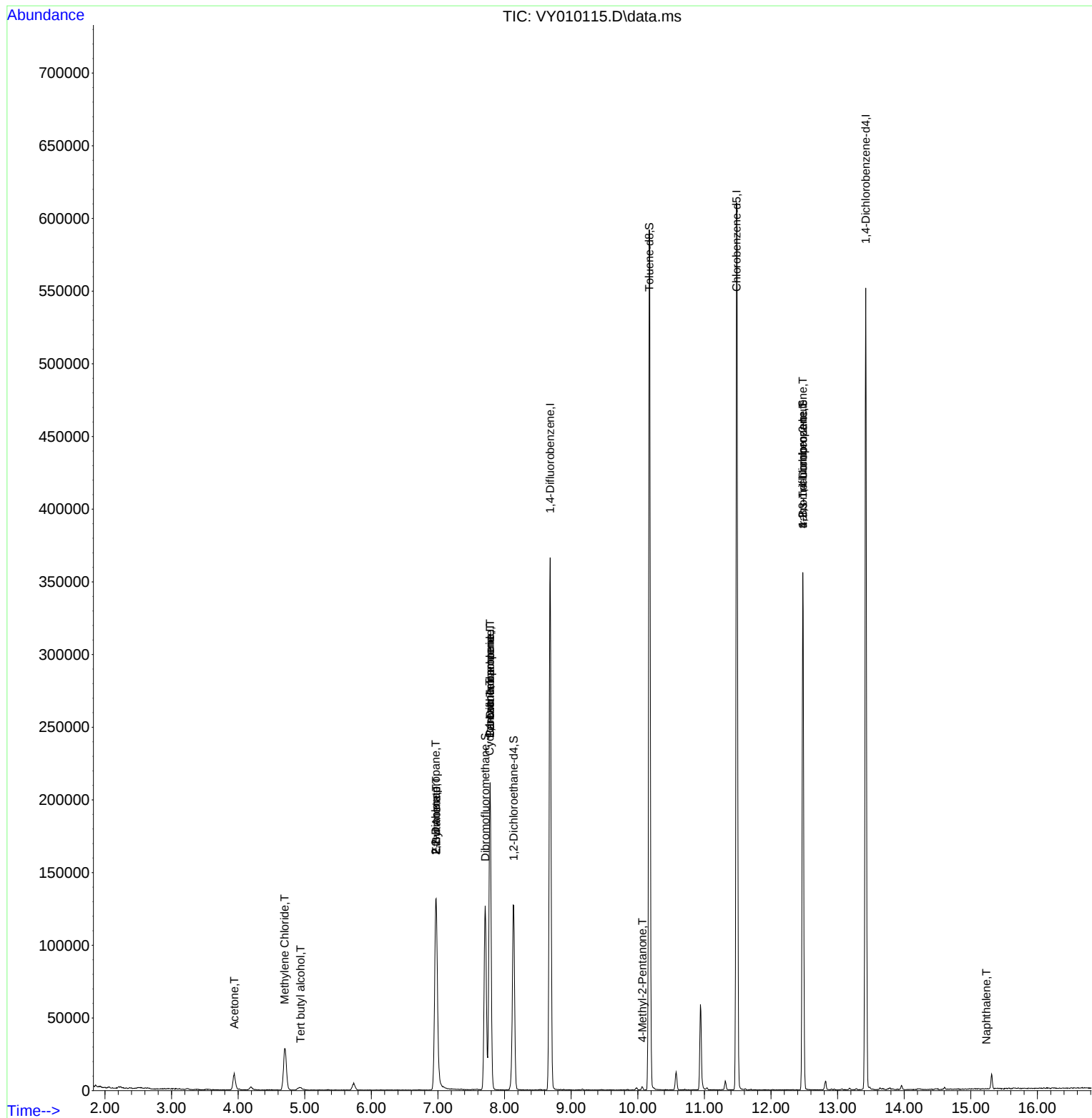
Internal Standards						
1) Pentafluorobenzene	7.783	168	170527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	318875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	345888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	144225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	94783	67.858	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.720%			
35) Dibromofluoromethane	7.710	113	92262	51.348	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.700%			
50) Toluene-d8	10.173	98	395264	58.708	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.420%			
62) 4-Bromofluorobenzene	12.477	95	106219	44.155	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.320%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	3326	32.463	ug/l #	78
16) Acetone	3.942	43	18666	53.394	ug/l	99
20) Methylene Chloride	4.698	84	21748	3.429	ug/l	92
25) 2-Butanone	6.972	43	6824	12.135	ug/l #	72
26) 2,2-Dichloropropane	6.966	77	10088	3.831	ug/l #	50
31) Cyclohexane	7.777	56	3181	1.112	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12655	4.412	ug/l #	47
37) Ethyl Acetate	6.972	43	6824	4.687	ug/l #	1
38) Carbon Tetrachloride	7.783	117	16124	5.361	ug/l #	15
51) 4-Methyl-2-Pentanone	10.069	43	1637	1.151	ug/l	90
76) 1,2,3-Trichloropropane	12.477	75	53809	39.838	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53809	80.014	ug/l #	18
95) Naphthalene	15.233	128	237	3.926	ug/l #	69

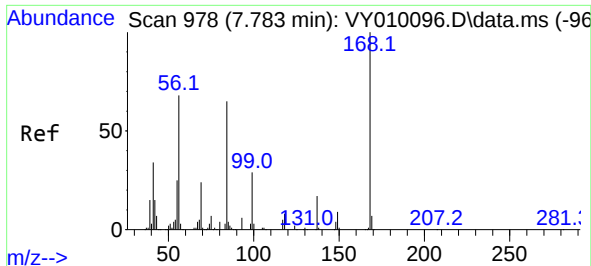
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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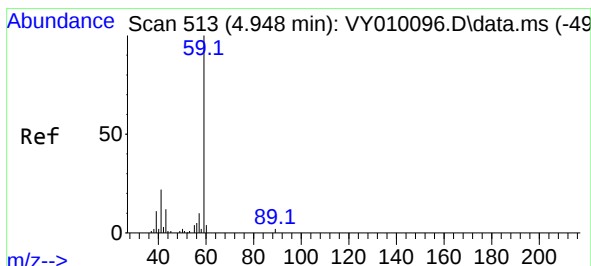
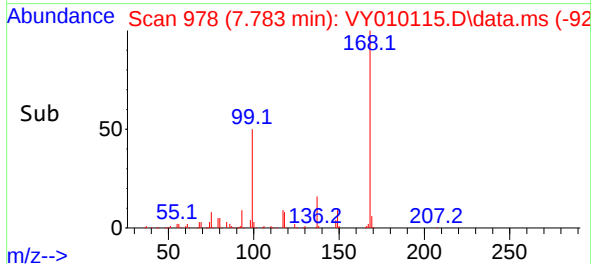
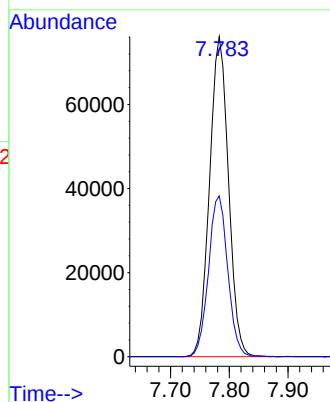
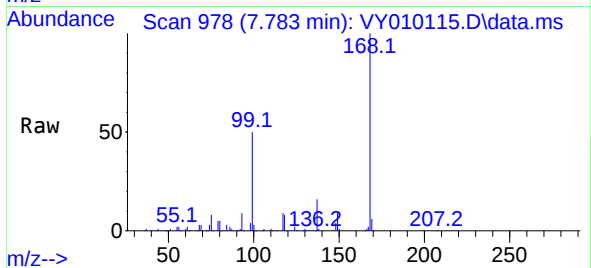




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

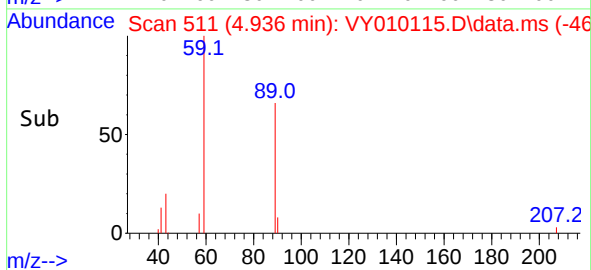
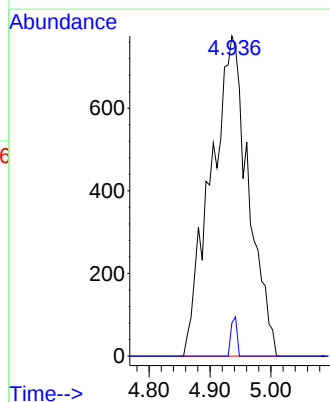
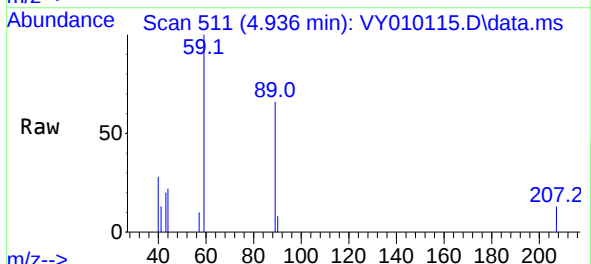
Instrument :
MSVOA_Y
ClientSampleId :
TP2-0815

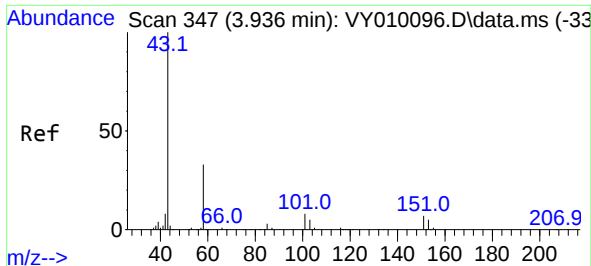
Tgt Ion:168 Resp: 170527
Ion Ratio Lower Upper
168 100
99 50.2 40.7 61.1



#11
Tert butyl alcohol
Concen: 32.463 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

Tgt Ion: 59 Resp: 3326
Ion Ratio Lower Upper
59 100
57 1.9 8.2 12.2#

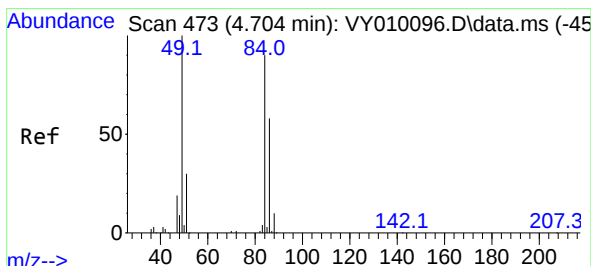
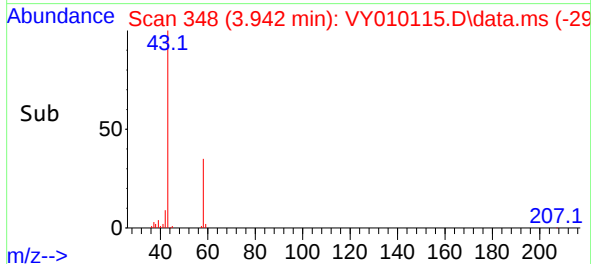
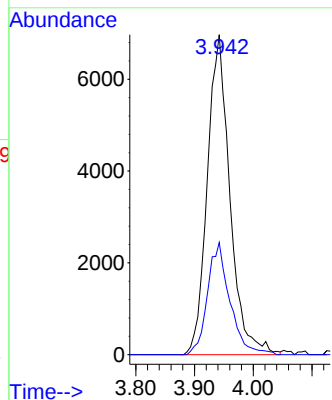
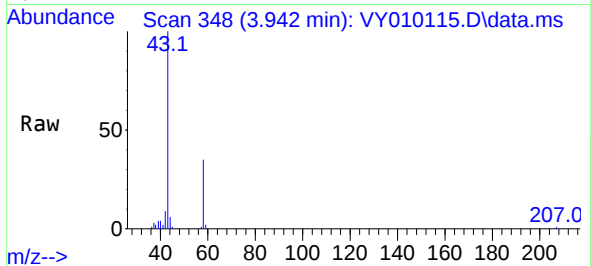




#16
Acetone
Concen: 53.394 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

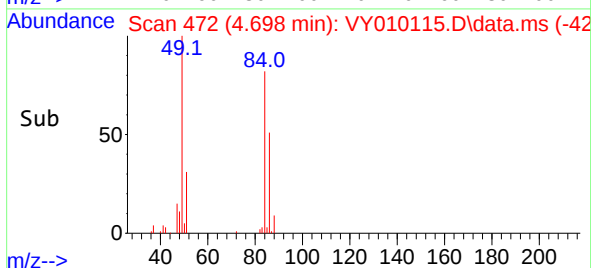
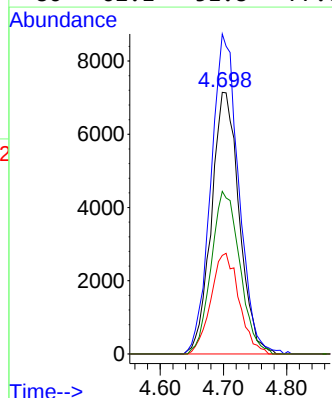
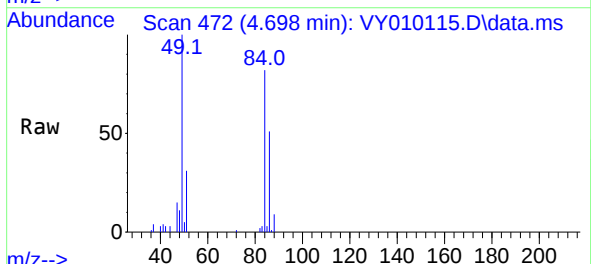
Instrument :
MSVOA_Y
ClientSampleId :
TP2-0815

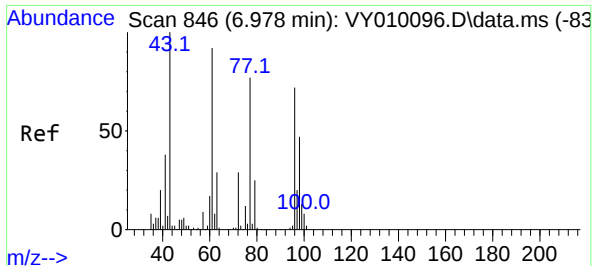
Tgt Ion: 43 Resp: 18666
Ion Ratio Lower Upper
43 100
58 35.0 27.4 41.0



#20
Methylene Chloride
Concen: 3.429 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

Tgt Ion: 84 Resp: 21748
Ion Ratio Lower Upper
84 100
49 122.3 89.0 133.4
51 37.7 27.0 40.6
86 62.1 51.8 77.6





#25

2-Butanone

Concen: 12.135 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY010115.D

Acq: 19 Aug 2022 19:50

Instrument :

MSVOA_Y

ClientSampleId :

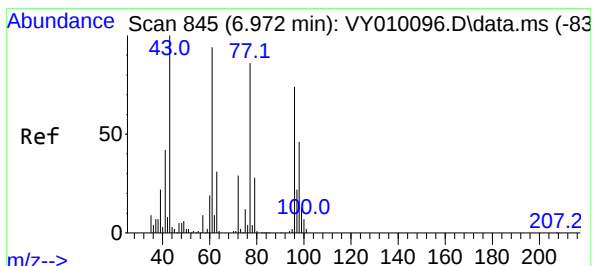
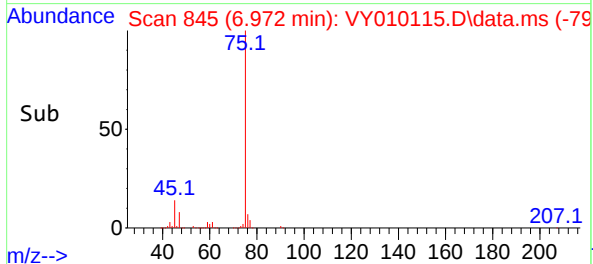
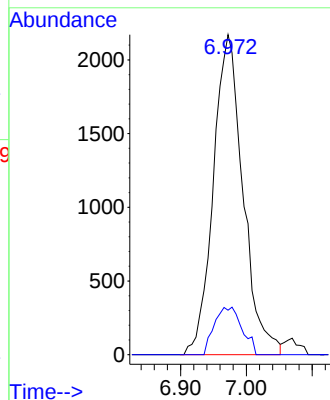
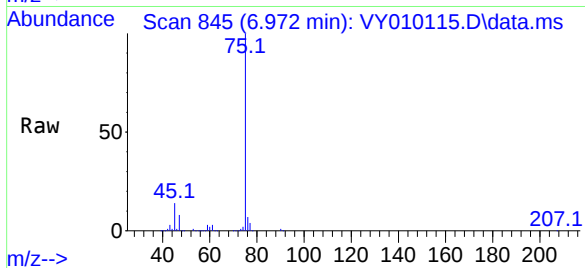
TP2-0815

Tgt Ion: 43 Resp: 6824

Ion Ratio Lower Upper

43 100

72 13.9 23.2 34.8#



#26

2,2-Dichloropropane

Concen: 3.831 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010115.D

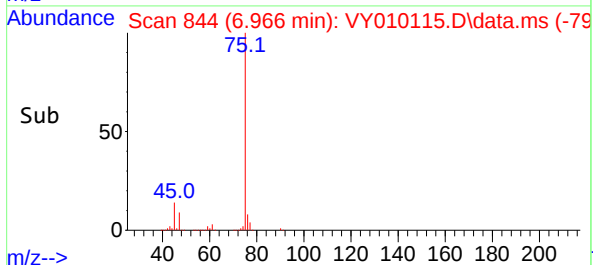
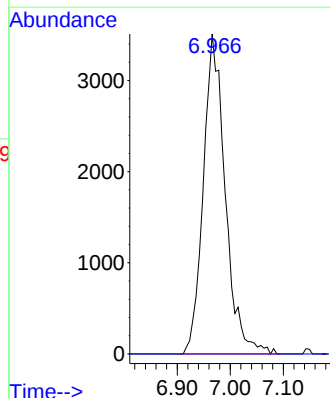
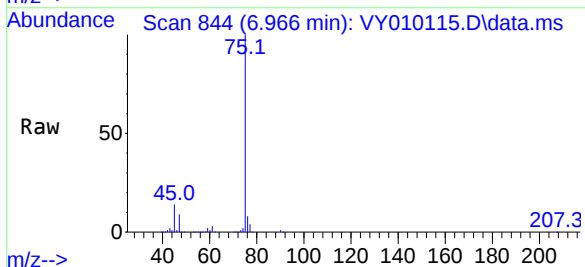
Acq: 19 Aug 2022 19:50

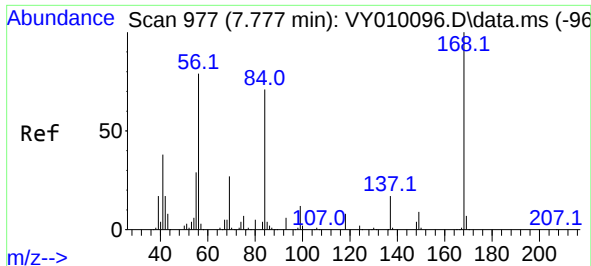
Tgt Ion: 77 Resp: 10088

Ion Ratio Lower Upper

77 100

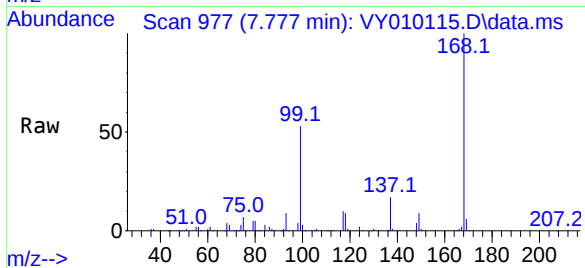
97 0.0 12.4 37.4#



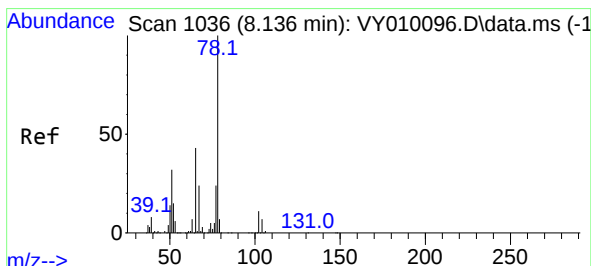
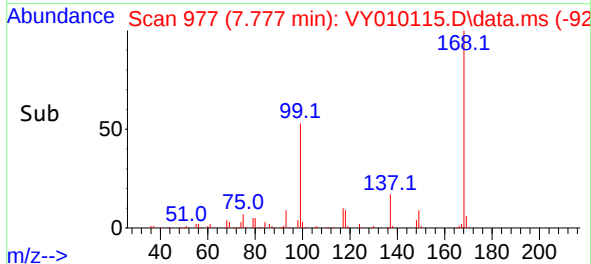
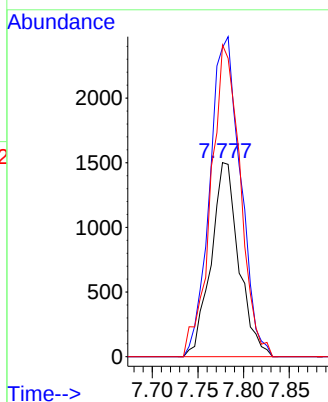


#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

Instrument :
MSVOA_Y
ClientSampleId :
TP2-0815

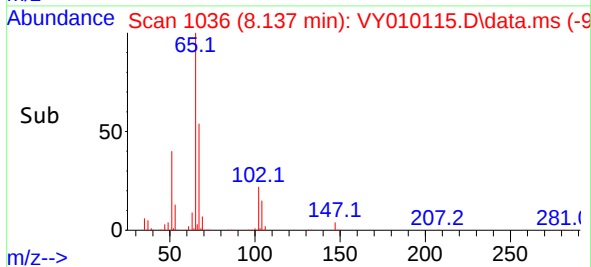
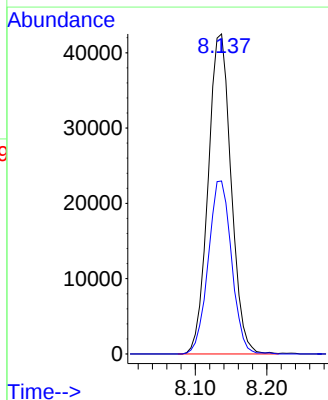
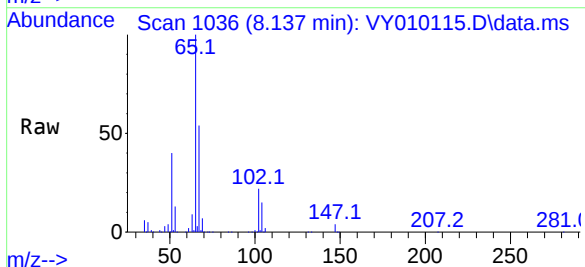


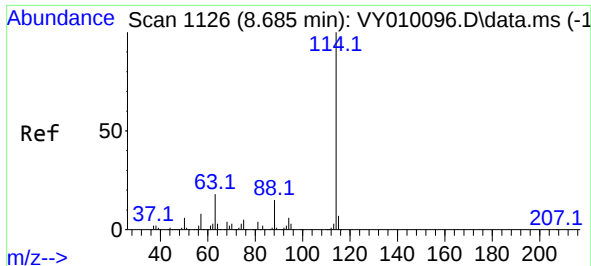
Tgt Ion: 56 Resp: 3181
Ion Ratio Lower Upper
56 100
69 159.3 27.3 40.9#
84 160.6 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 67.858 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

Tgt Ion: 65 Resp: 94783
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.6

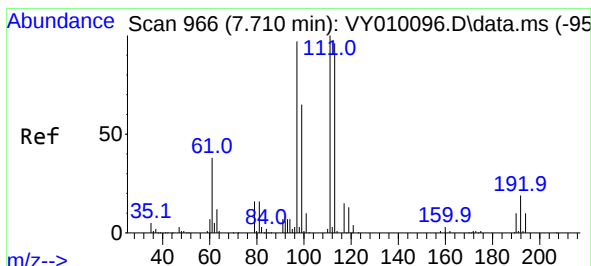
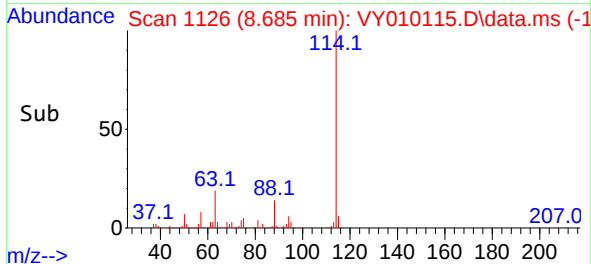
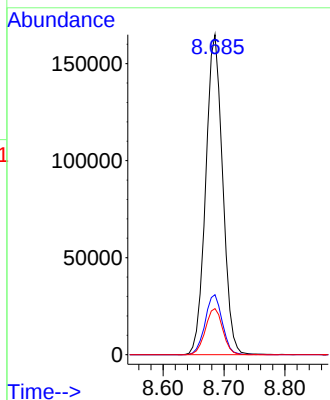
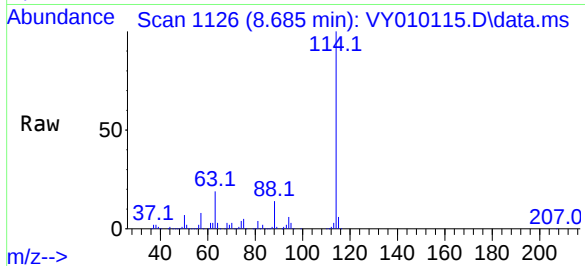




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY010115.D
 Acq: 19 Aug 2022 19:50

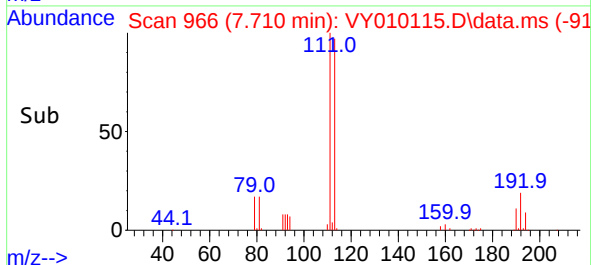
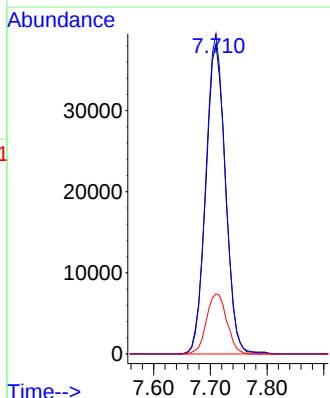
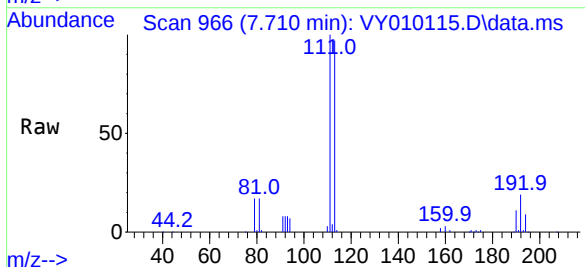
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP2-0815

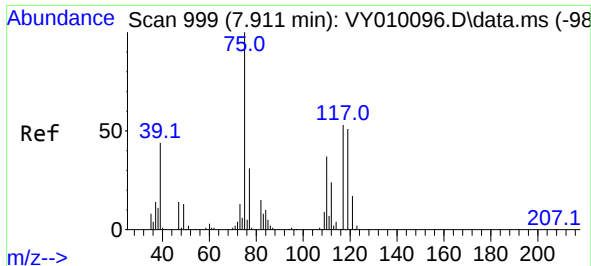
Tgt Ion:114 Resp: 318875
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.6
 88 14.4 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 51.348 ug/l
 RT: 7.710 min Scan# 966
 Delta R.T. -0.000 min
 Lab File: VY010115.D
 Acq: 19 Aug 2022 19:50

Tgt Ion:113 Resp: 92262
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.8 124.2
 192 20.0 16.3 24.5





#36

1,1-Dichloropropene

Concen: 4.412 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010115.D

Acq: 19 Aug 2022 19:50

Instrument :

MSVOA_Y

ClientSampleId :

TP2-0815

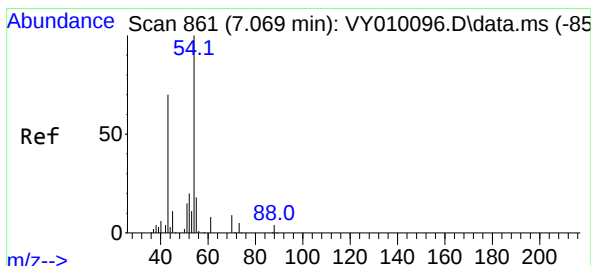
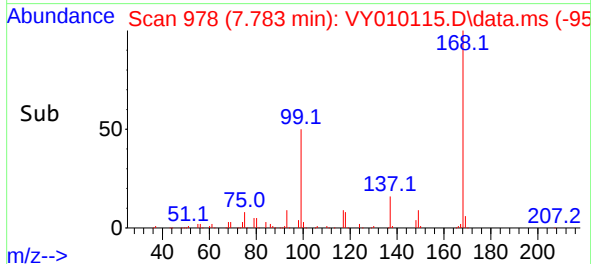
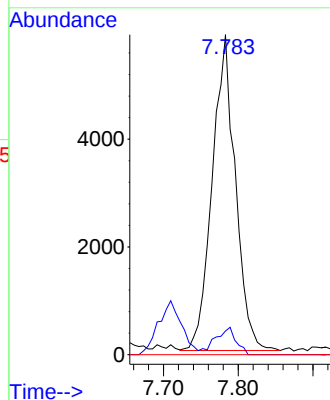
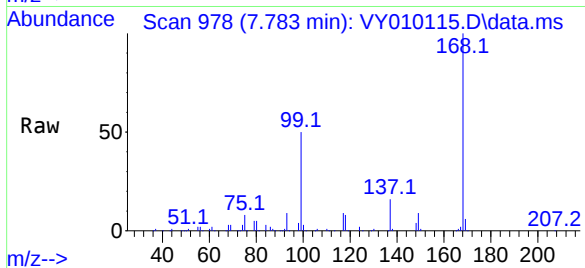
Tgt Ion: 75 Resp: 12655

Ion Ratio Lower Upper

75 100

110 7.8 18.6 56.0#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 4.687 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.097 min

Lab File: VY010115.D

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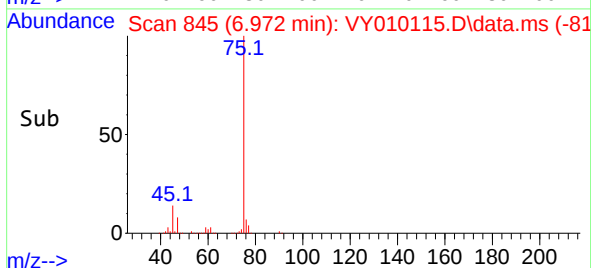
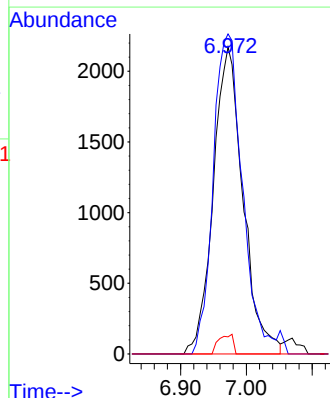
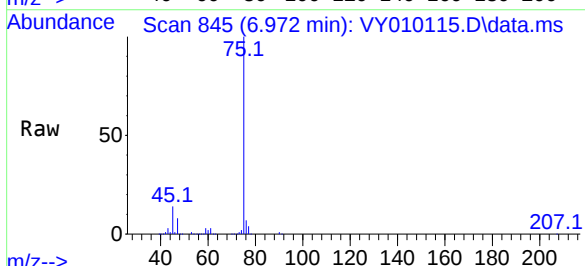
Tgt Ion: 43 Resp: 6824

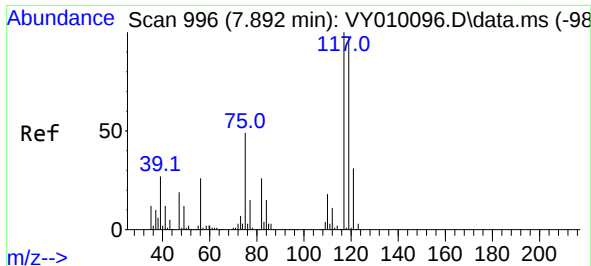
Ion Ratio Lower Upper

43 100

61 102.4 11.7 17.5#

70 3.1 9.0 13.4#

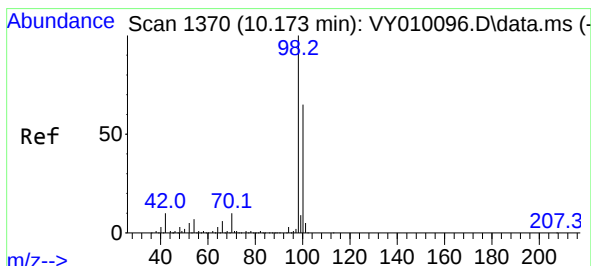
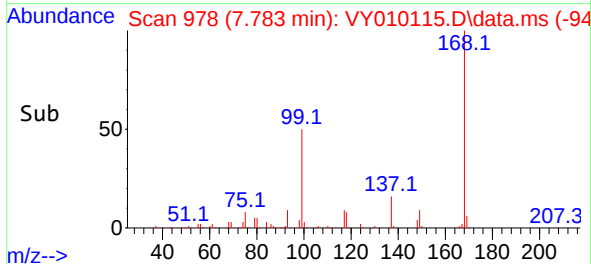
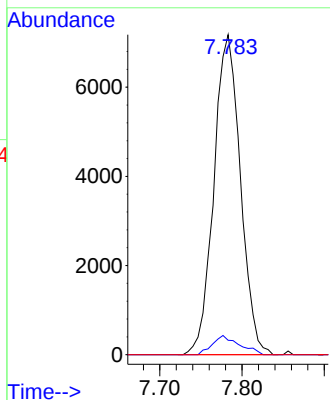
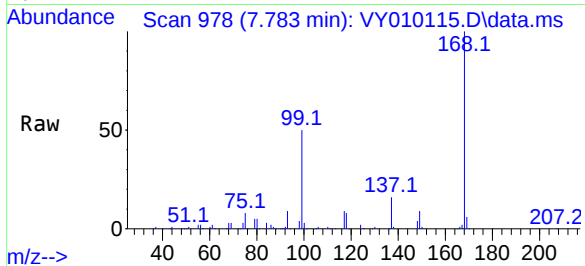




#38
Carbon Tetrachloride
Concen: 5.361 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

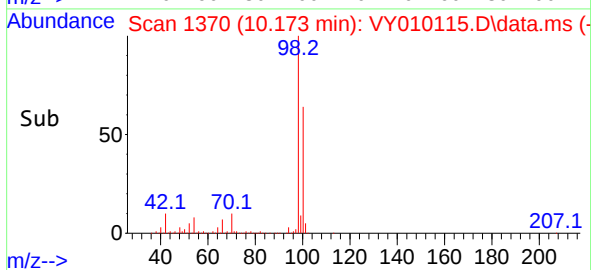
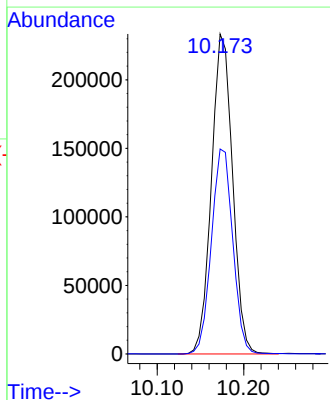
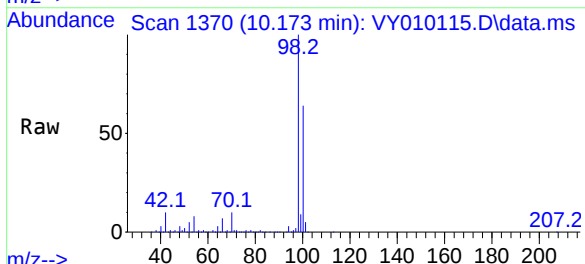
Instrument :
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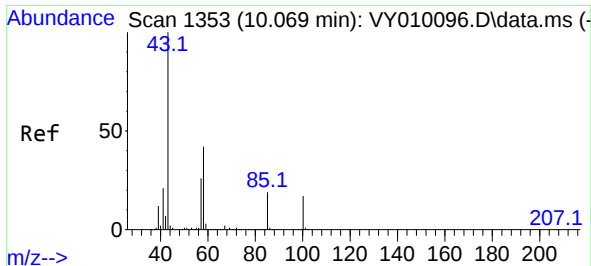
Tgt Ion:117 Resp: 16124
Ion Ratio Lower Upper
117 100
119 4.5 77.1 115.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 58.708 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

Tgt Ion: 98 Resp: 395264
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

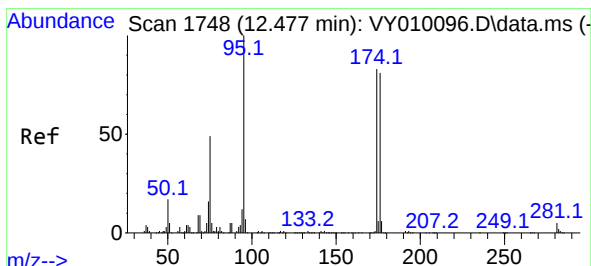
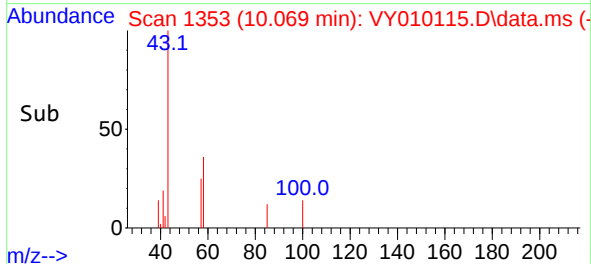
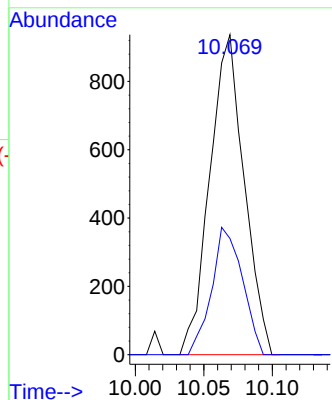
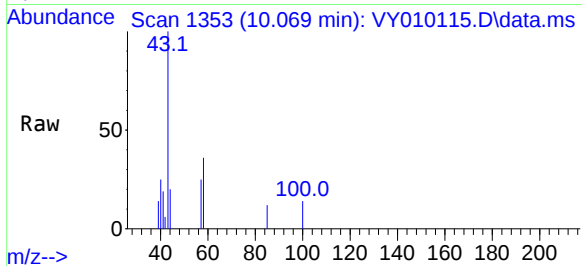




#51
4-Methyl-2-Pentanone
Concen: 1.151 ug/l
RT: 10.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

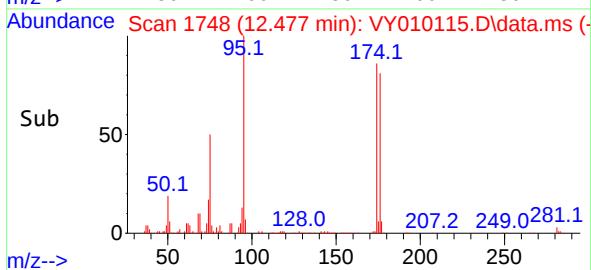
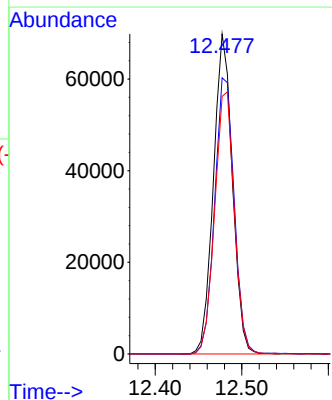
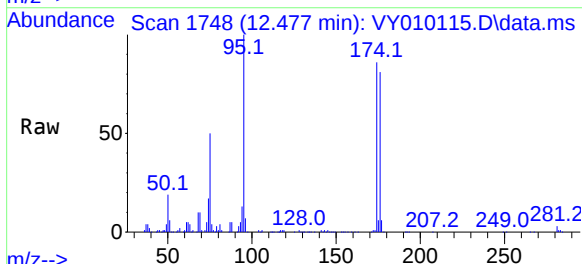
Instrument :
MSVOA_Y
ClientSampleId :
TP2-0815

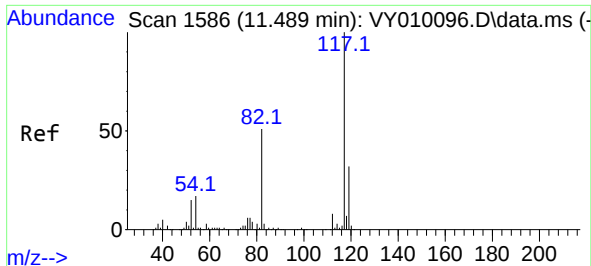
Tgt Ion: 43 Resp: 1637
Ion Ratio Lower Upper
43 100
58 35.6 33.3 49.9



#62
4-Bromofluorobenzene
Concen: 44.155 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

Tgt Ion: 95 Resp: 106219
Ion Ratio Lower Upper
95 100
174 89.3 0.0 173.8
176 84.9 0.0 167.2

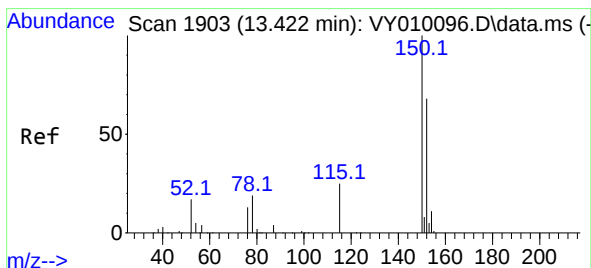
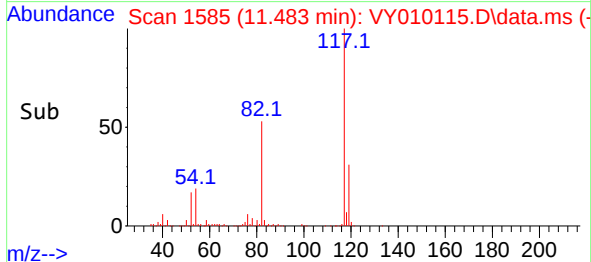
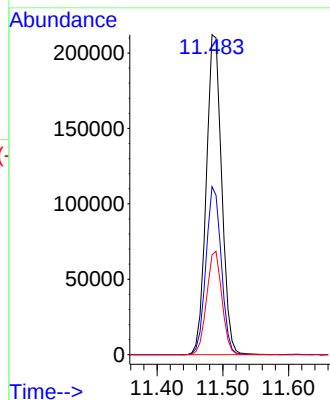
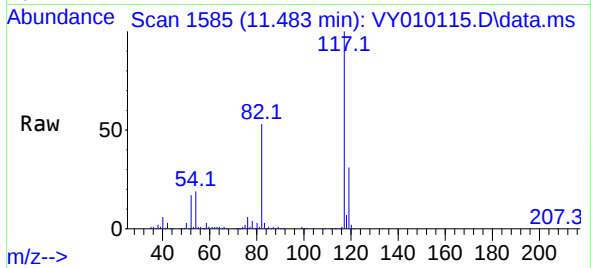




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

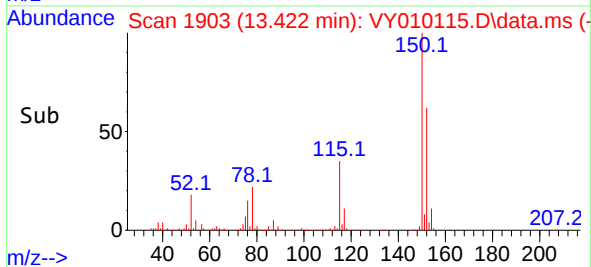
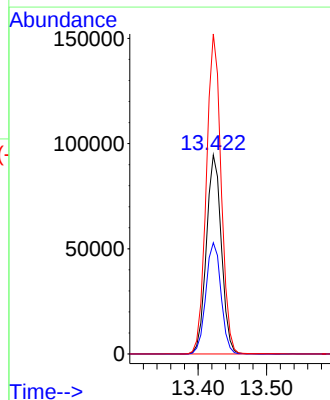
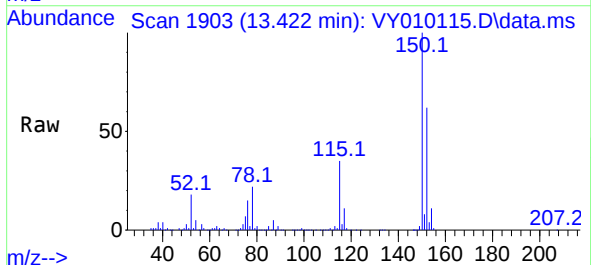
Instrument :
MSVOA_Y
ClientSampleId :
TP2-0815

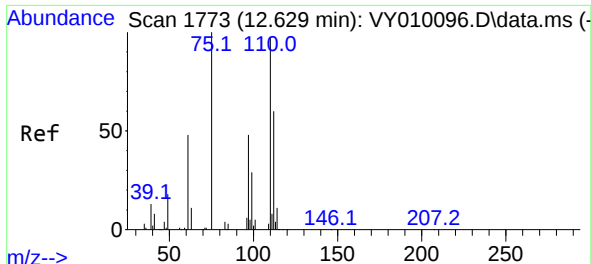
Tgt Ion:117 Resp: 345888
Ion Ratio Lower Upper
117 100
82 52.5 40.6 61.0
119 31.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

Tgt Ion:152 Resp: 144225
Ion Ratio Lower Upper
152 100
115 56.3 28.1 84.2
150 158.3 0.0 346.2

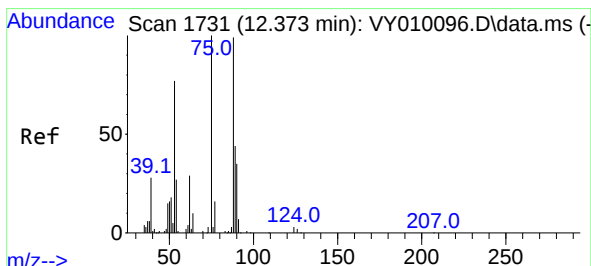
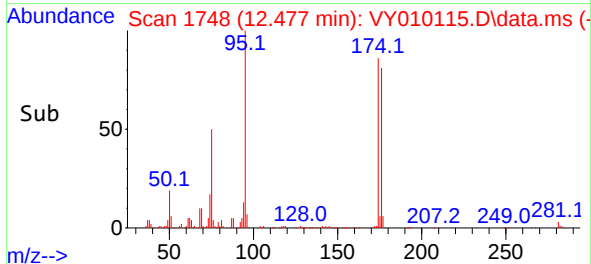
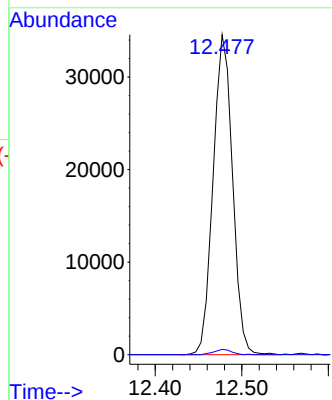
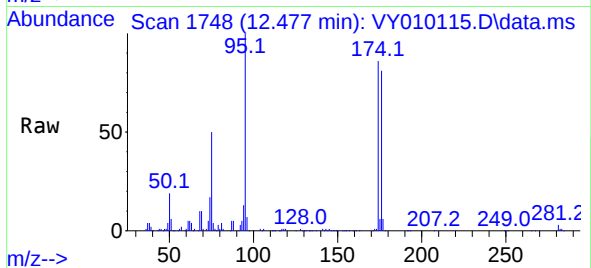




#76
1,2,3-Trichloropropane
Concen: 39.838 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

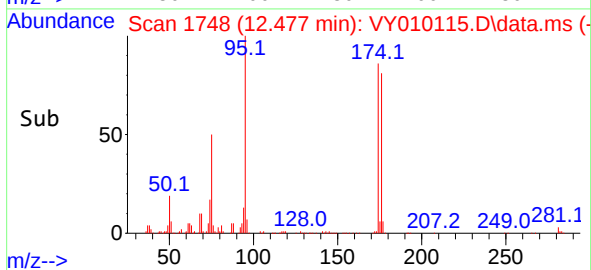
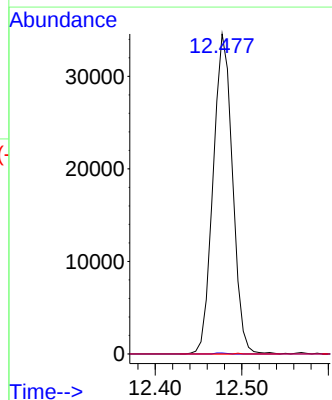
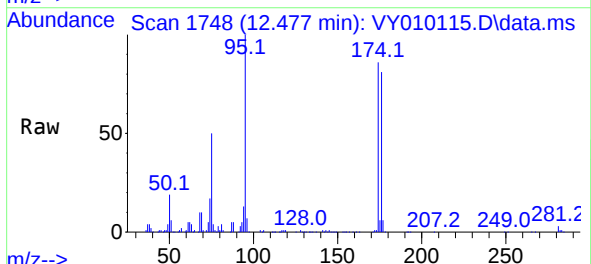
Instrument :
MSVOA_Y
ClientSampleId :
TP2-0815

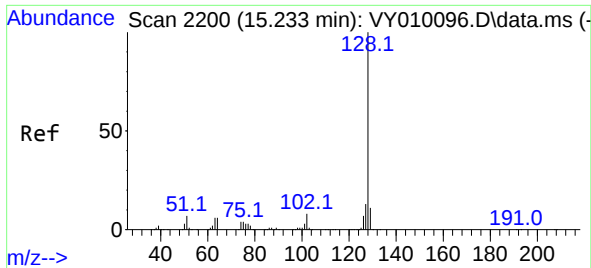
Tgt Ion: 75 Resp: 53809
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.014 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

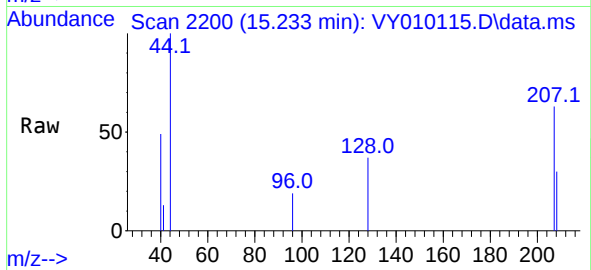
Tgt Ion: 75 Resp: 53809
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.1 36.8 55.2#





#95
Naphthalene
Concen: 3.926 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY010115.D
Acq: 19 Aug 2022 19:50

Instrument :
MSVOA_Y
ClientSampleId :
TP2-0815



Tgt Ion:128 Resp: 237
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.9 13.3#

