

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091522\
 Data File : VY010512.D
 Acq On : 15 Sep 2022 15:39
 Operator : KP/MD
 Sample : N4634-04
 Misc : 5.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2

Quant Time: Sep 16 02:56:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

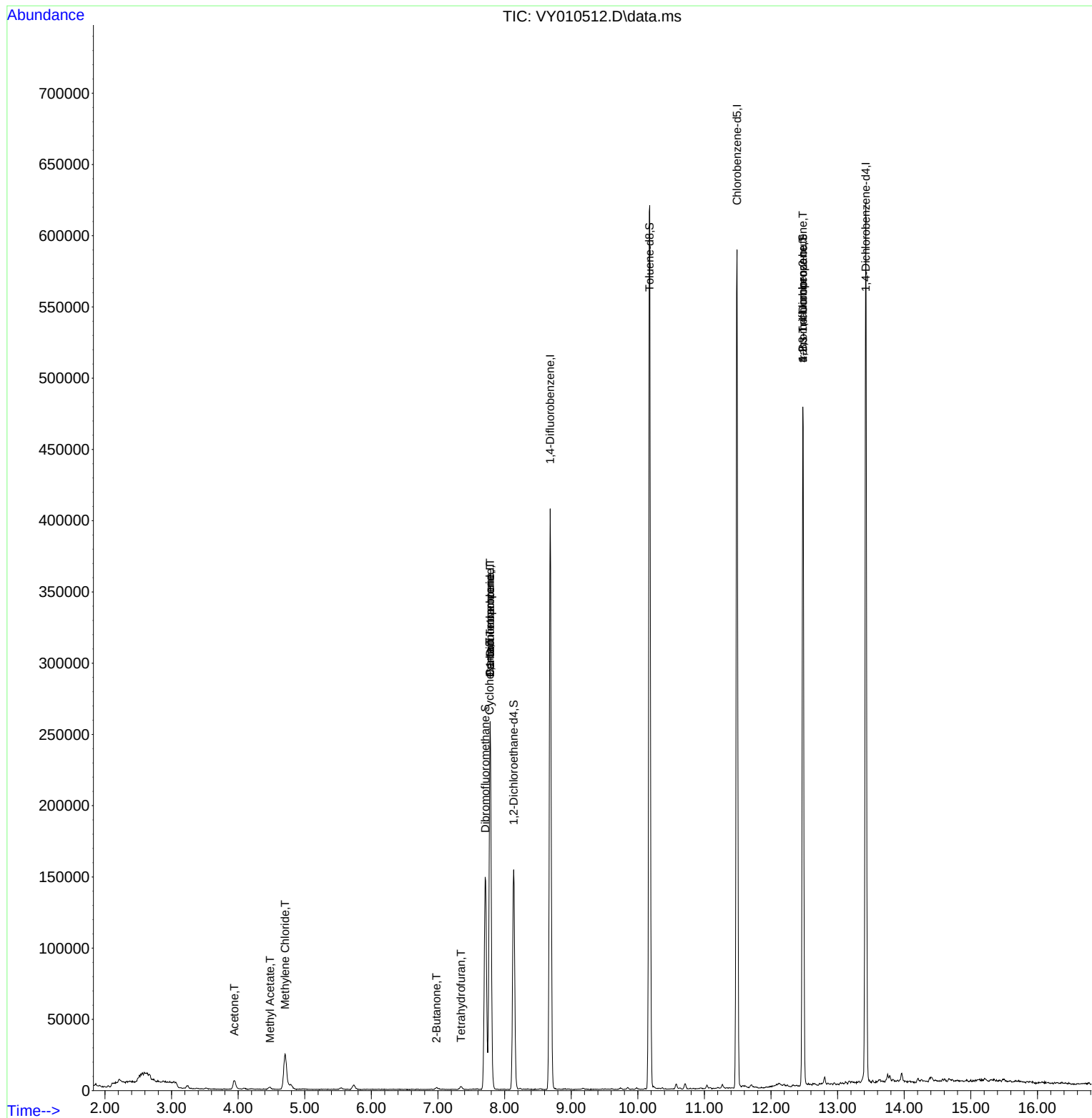
Internal Standards						
1) Pentafluorobenzene	7.783	168	204100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	349402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	331925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	121165	58.943	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.880%
35) Dibromofluoromethane	7.710	113	108735	43.819	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.640%
50) Toluene-d8	10.179	98	416423	51.779	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.560%
62) 4-Bromofluorobenzene	12.477	95	147715	45.824	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.640%
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	86	Below Cal	#	43
11) Tert butyl alcohol	4.948	59	249	Below Cal	#	77
16) Acetone	3.942	43	11671	24.740	ug/l	90
18) Methyl Acetate	4.479	43	2881	1.985	ug/l	93
20) Methylene Chloride	4.704	84	19086	1.722	ug/l	# 84
25) 2-Butanone	6.978	43	1004	1.339	ug/l	99
29) Tetrahydrofuran	7.344	42	1633	3.490	ug/l	# 88
31) Cyclohexane	7.777	56	4145	1.194	ug/l	# 4
36) 1,1-Dichloropropene	7.783	75	14635	4.308	ug/l	# 51
38) Carbon Tetrachloride	7.783	117	19969	5.284	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	76225	43.889	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	76225	97.449	ug/l	# 7

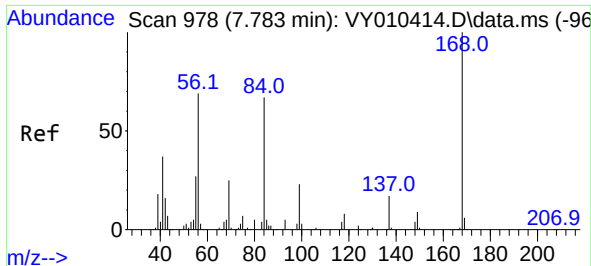
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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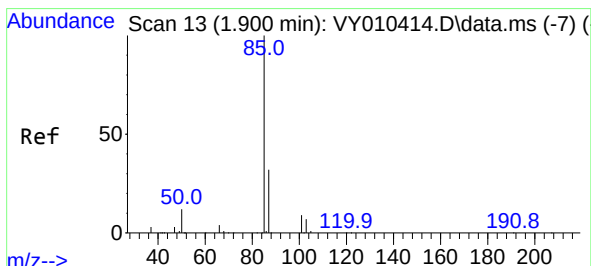
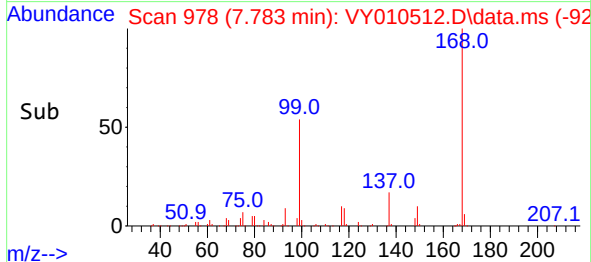
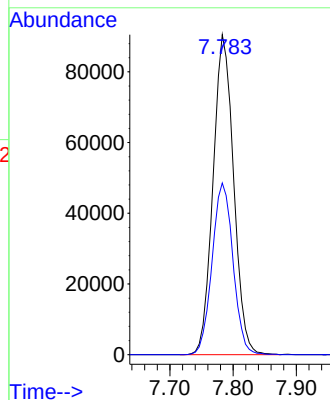
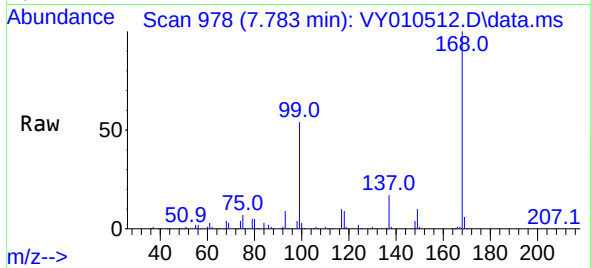




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

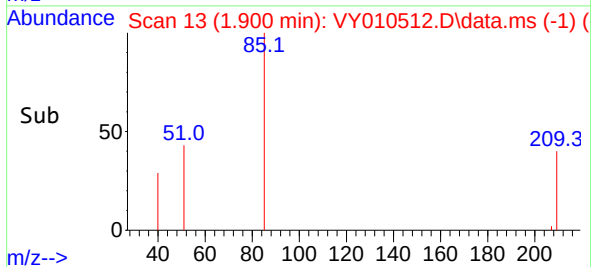
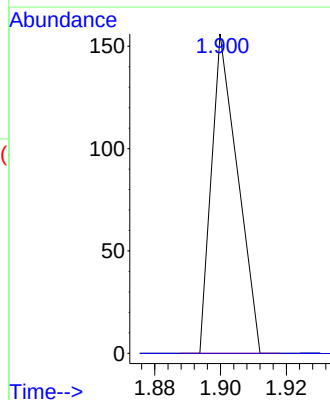
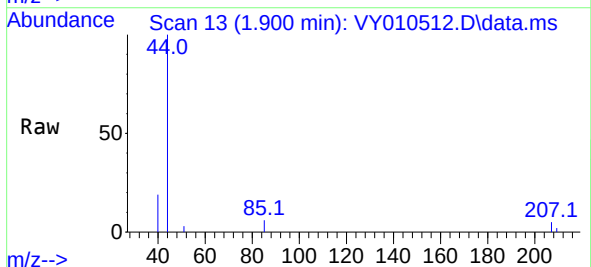
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

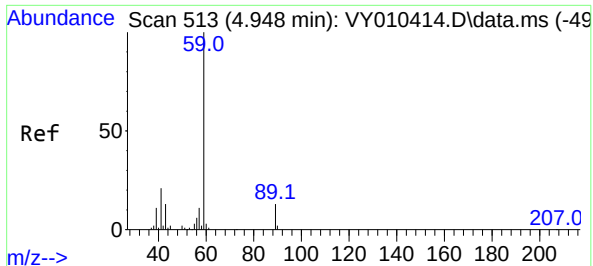
Tgt Ion:168 Resp: 204100
Ion Ratio Lower Upper
168 100
99 53.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

Tgt Ion: 85 Resp: 86
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

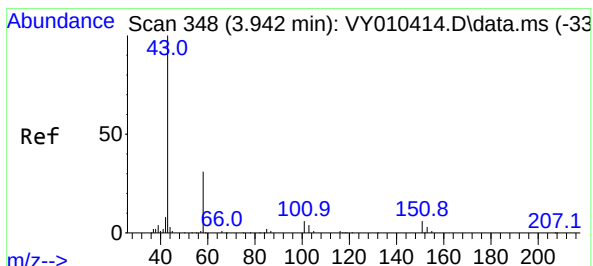
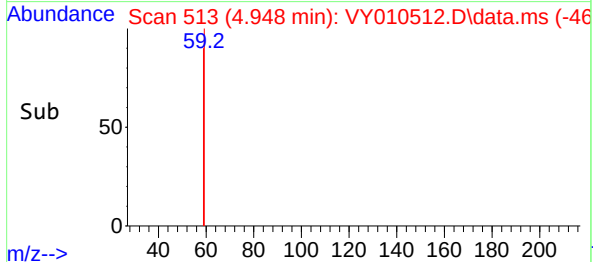
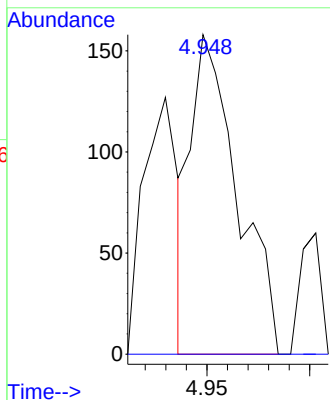
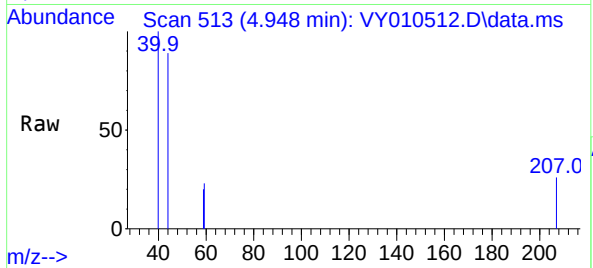




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

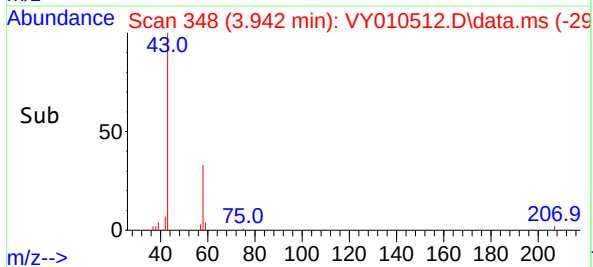
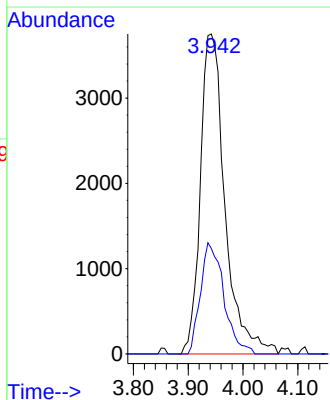
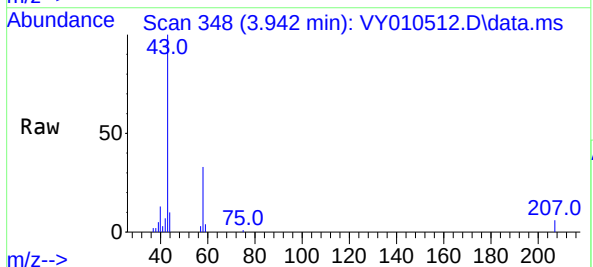
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

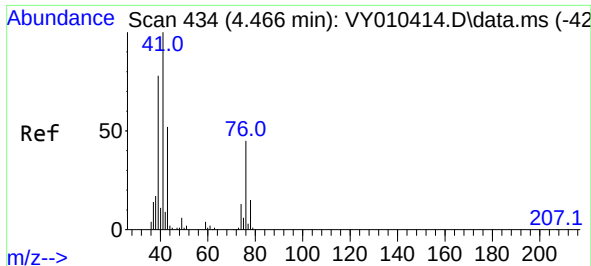
Tgt Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 24.740 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

Tgt Ion: 43 Resp: 11671
Ion Ratio Lower Upper
43 100
58 32.9 22.0 33.0

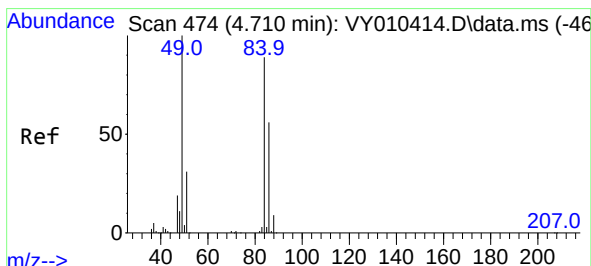
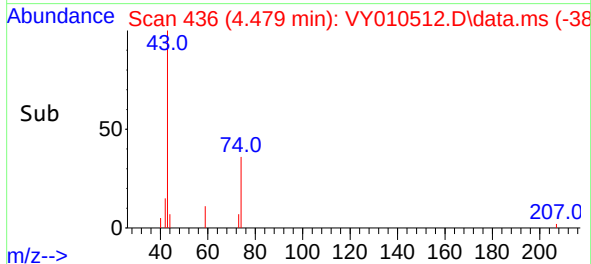
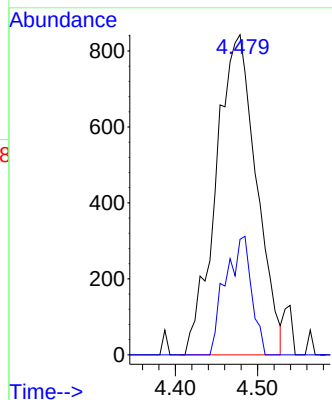
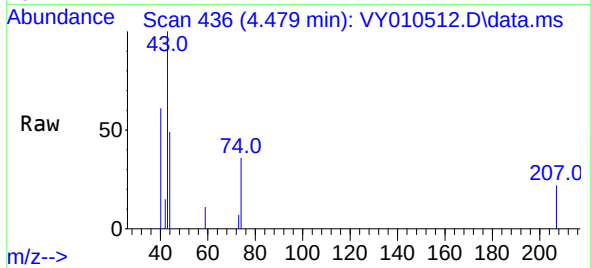




#18
Methyl Acetate
Concen: 1.985 ug/l
RT: 4.479 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

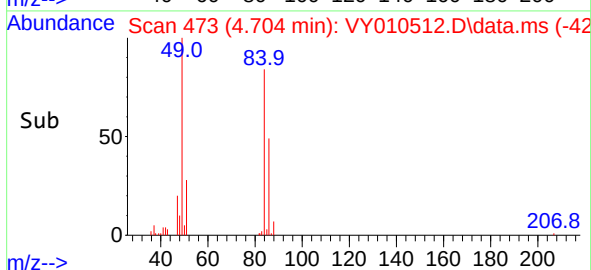
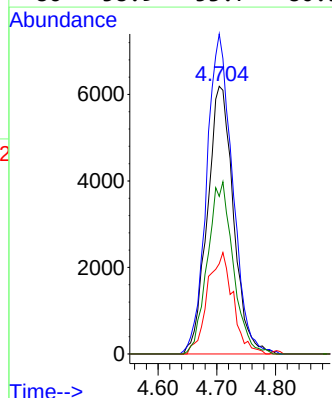
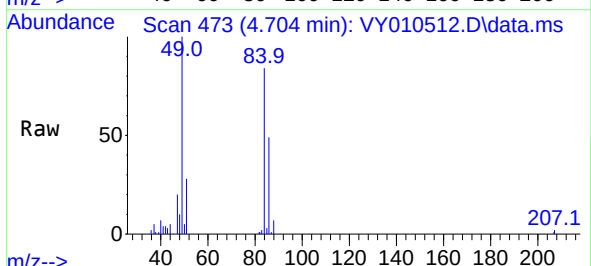
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

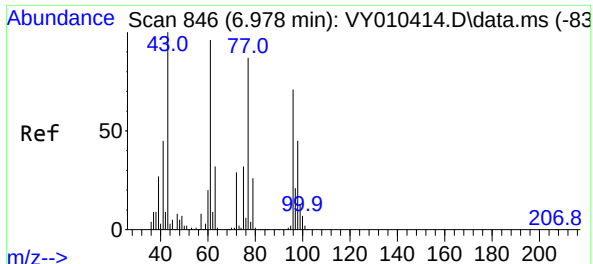
Tgt Ion: 43 Resp: 2881
Ion Ratio Lower Upper
43 100
74 23.7 16.6 24.8



#20
Methylene Chloride
Concen: 1.722 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

Tgt Ion: 84 Resp: 19086
Ion Ratio Lower Upper
84 100
49 119.6 114.4 171.6
51 33.7 35.3 52.9#
86 58.9 53.7 80.5

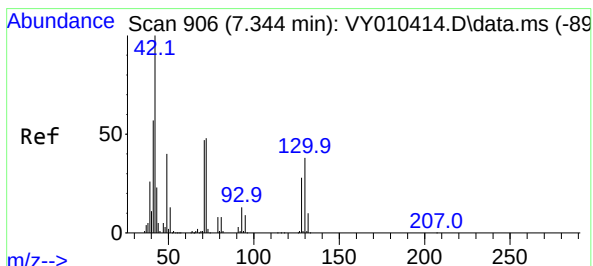
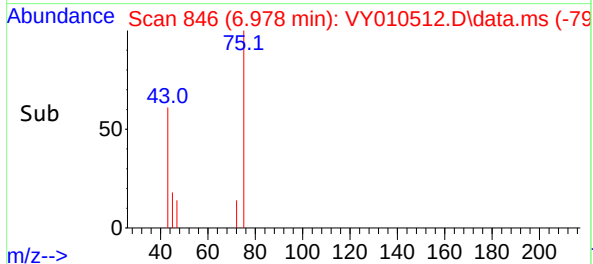
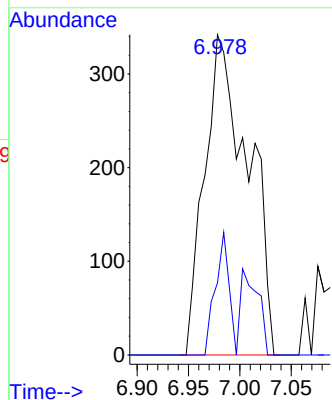
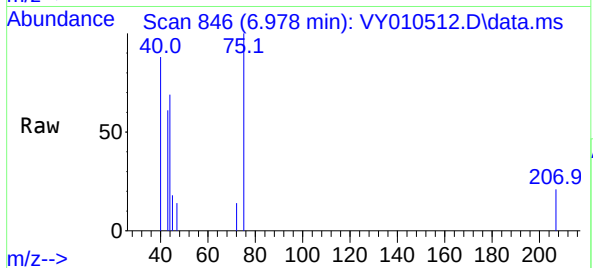




#25
2-Butanone
Concen: 1.339 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

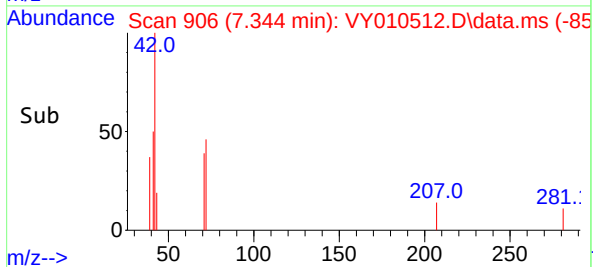
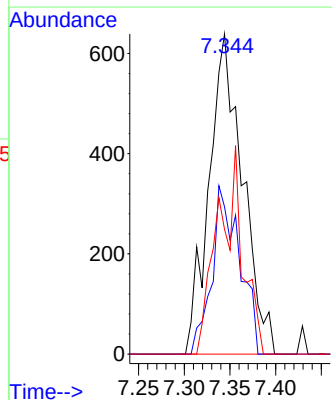
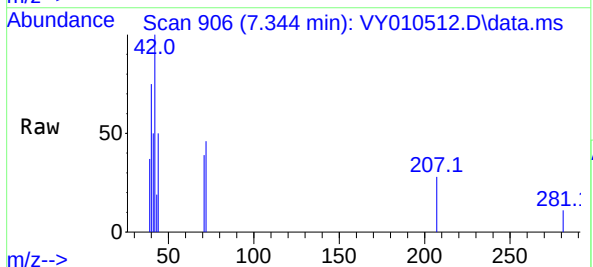
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

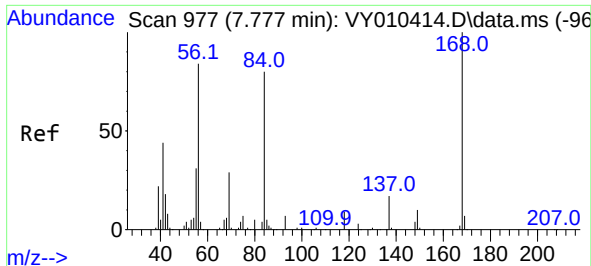
Tgt Ion: 43 Resp: 1004
Ion Ratio Lower Upper
43 100
72 22.5 17.7 26.5



#29
Tetrahydrofuran
Concen: 3.490 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

Tgt Ion: 42 Resp: 1633
Ion Ratio Lower Upper
42 100
72 43.2 30.3 45.5
71 26.9 29.0 43.4#

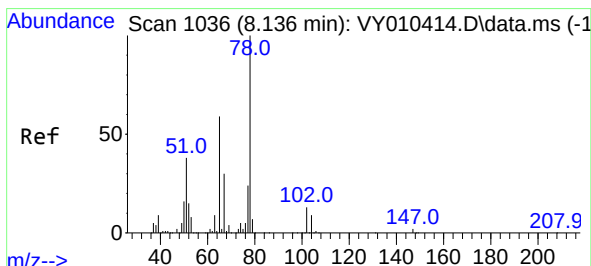
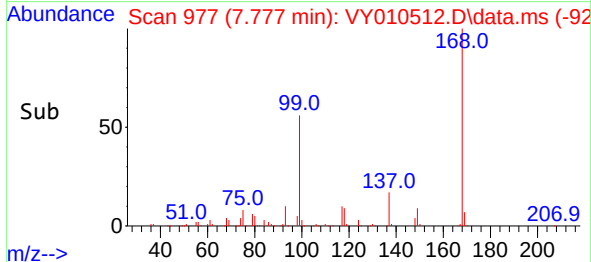
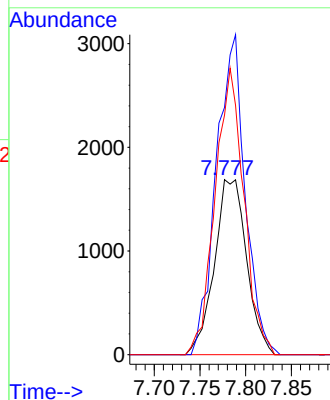
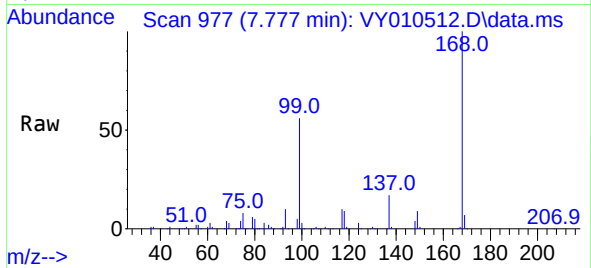




#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

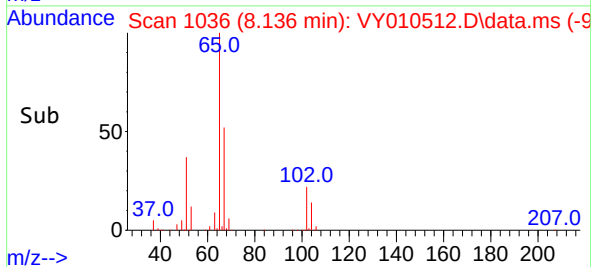
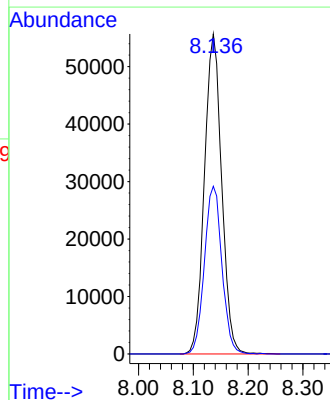
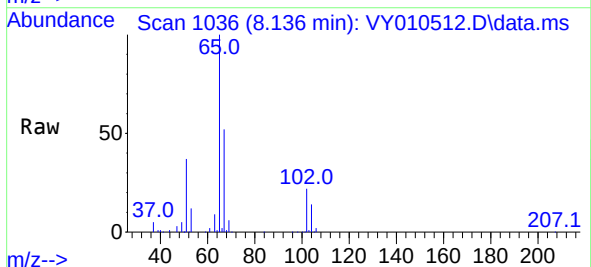
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

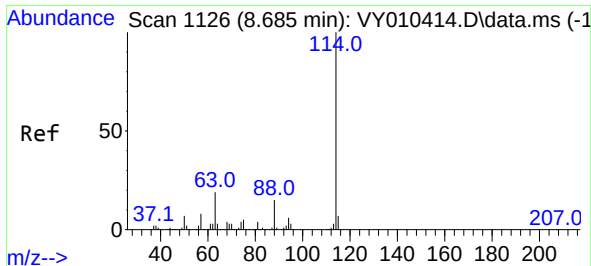
Tgt Ion: 56 Resp: 4145
Ion Ratio Lower Upper
56 100
69 141.3 26.7 40.1#
84 136.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 58.943 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

Tgt Ion: 65 Resp: 121165
Ion Ratio Lower Upper
65 100
67 53.2 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: VY010512.D

Acq: 15 Sep 2022 15:39

Instrument :

MSVOA_Y

ClientSampleId :

WC-2

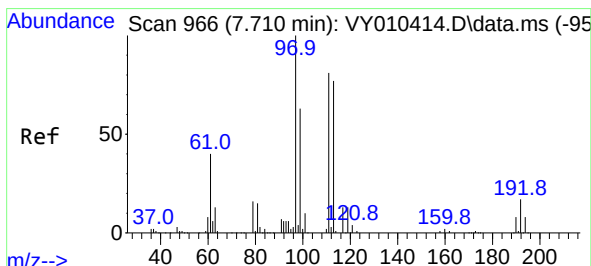
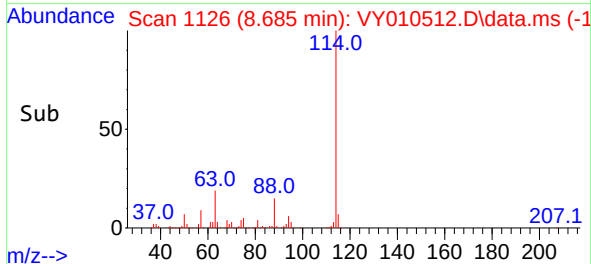
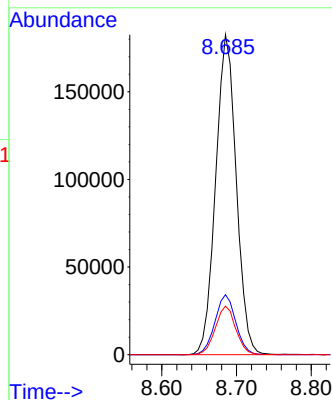
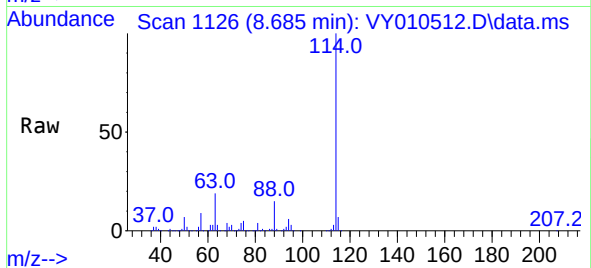
Tgt Ion:114 Resp: 349402

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 43.819 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010512.D

Acq: 15 Sep 2022 15:39

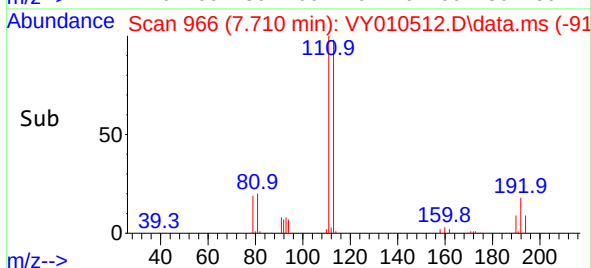
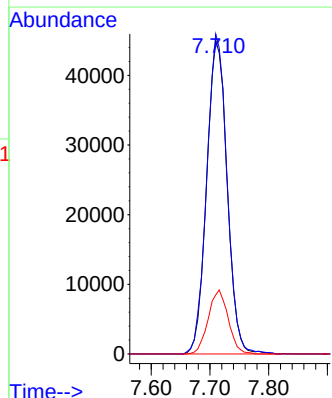
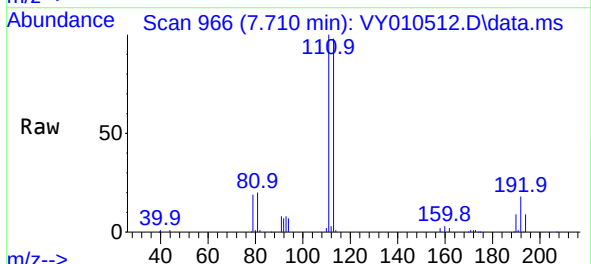
Tgt Ion:113 Resp: 108735

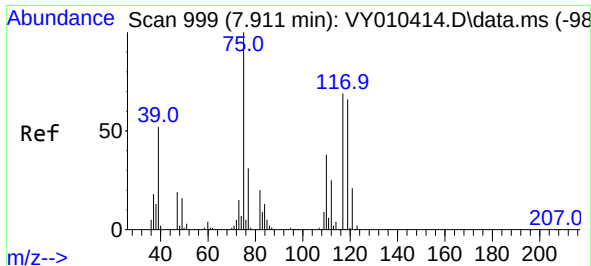
Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

192 19.9 17.6 26.4

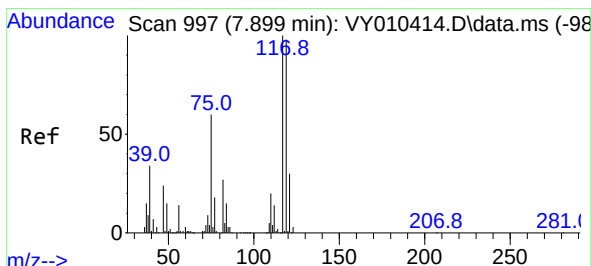
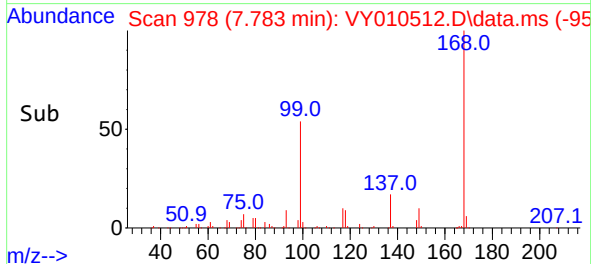
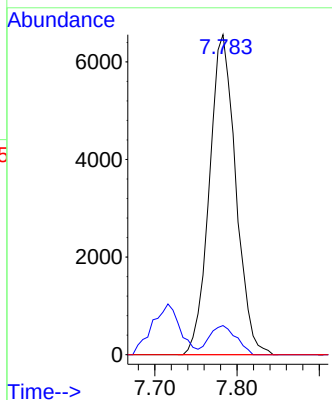
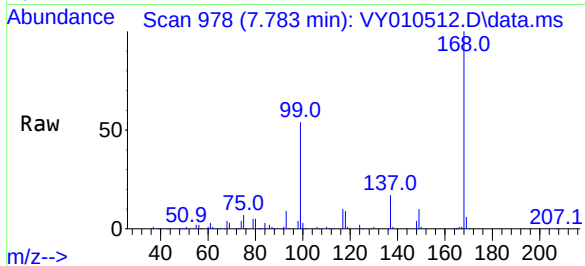




#36
 1,1-Dichloropropene
 Concen: 4.308 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY010512.D
 Acq: 15 Sep 2022 15:39

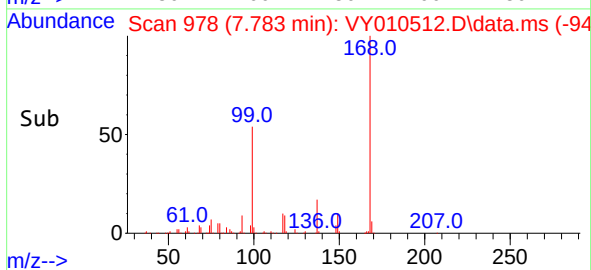
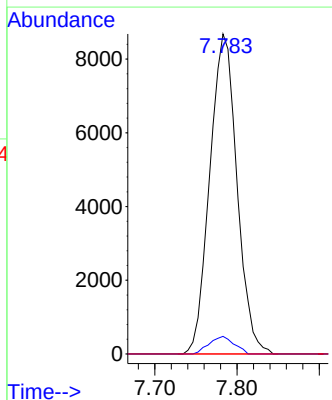
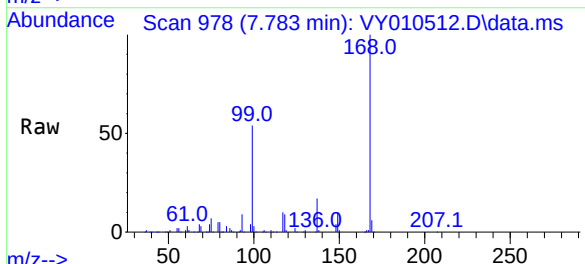
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2

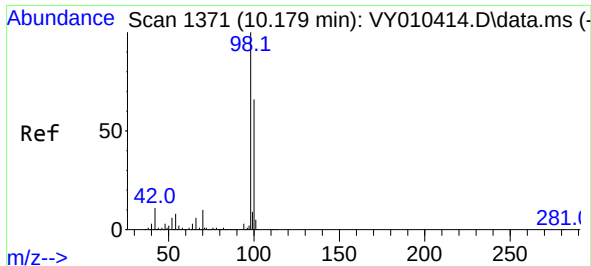
Tgt Ion: 75 Resp: 14635
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.284 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY010512.D
 Acq: 15 Sep 2022 15:39

Tgt Ion: 117 Resp: 19969
 Ion Ratio Lower Upper
 117 100
 119 5.5 77.9 116.9#
 121 0.0 24.8 37.2#

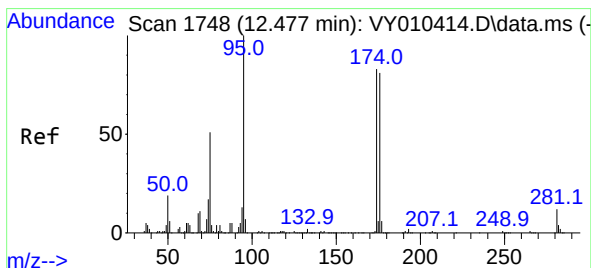
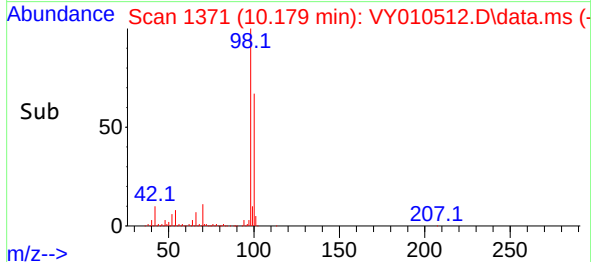
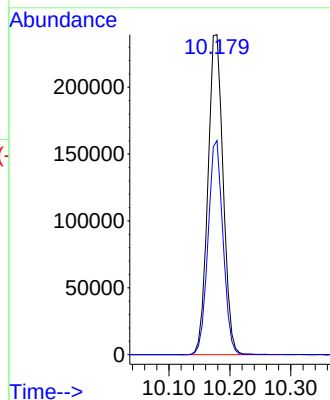
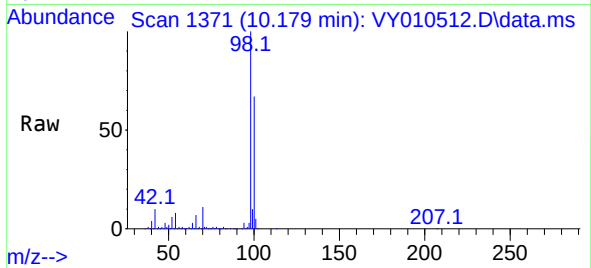




#50
Toluene-d8
Concen: 51.779 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

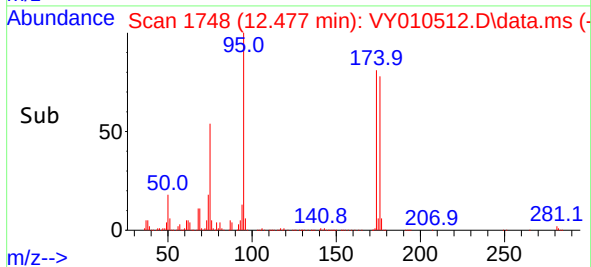
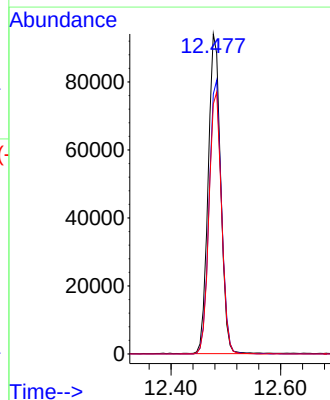
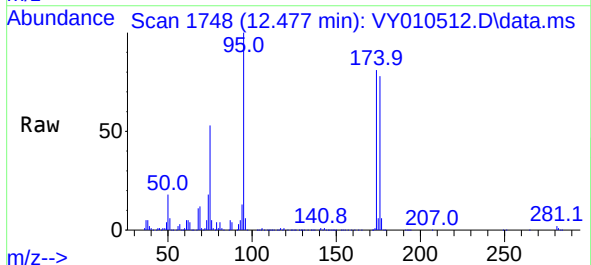
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

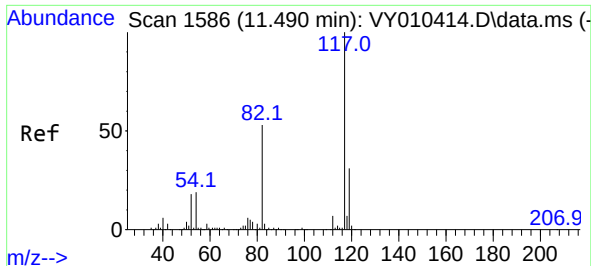
Tgt Ion: 98 Resp: 416423
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 45.824 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

Tgt Ion: 95 Resp: 147715
Ion Ratio Lower Upper
95 100
174 85.1 0.0 177.0
176 82.2 0.0 175.8

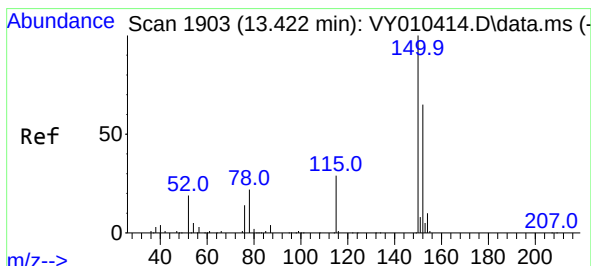
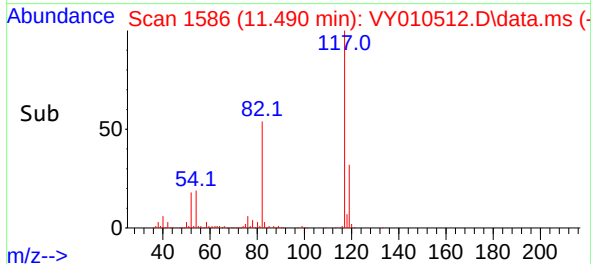
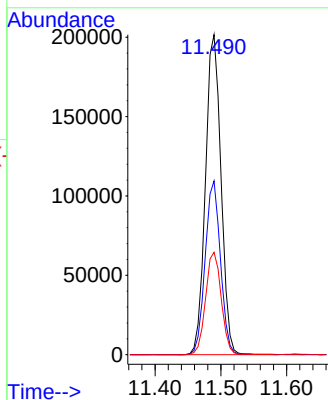
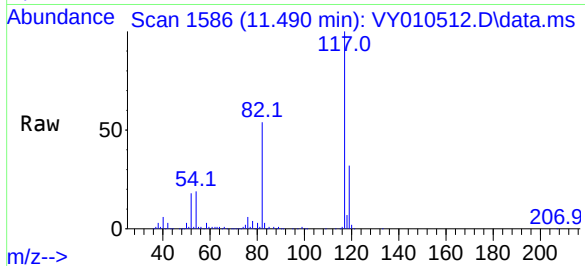




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

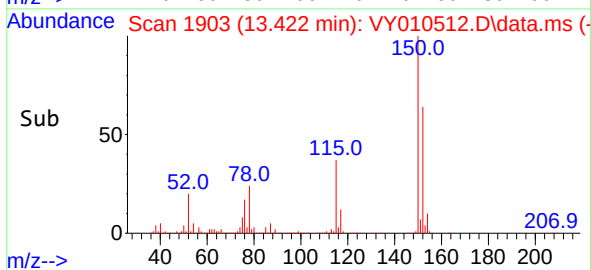
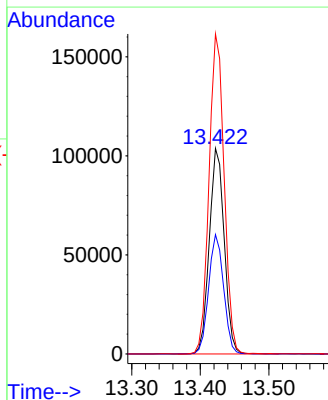
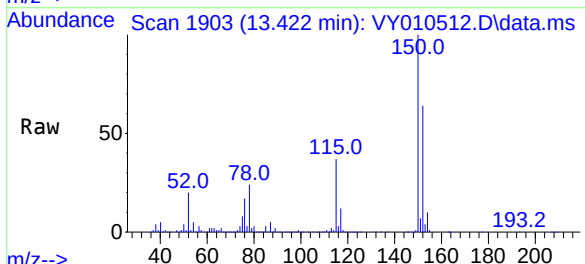
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

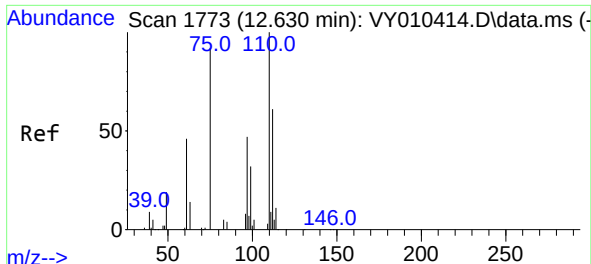
Tgt Ion:117 Resp: 331925
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

Tgt Ion:152 Resp: 157364
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 157.4 0.0 347.6

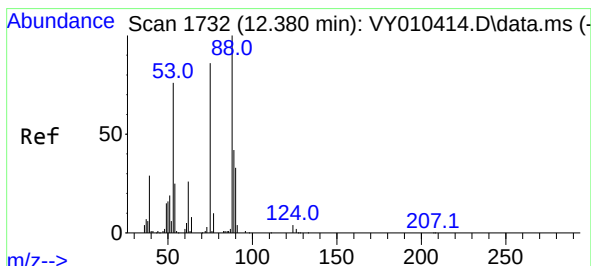
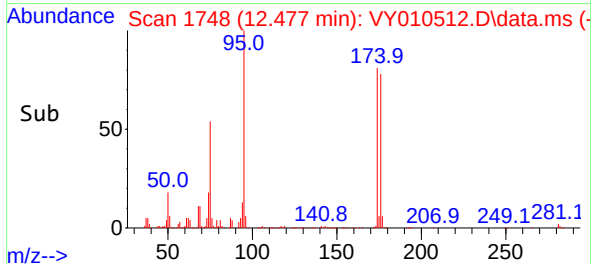
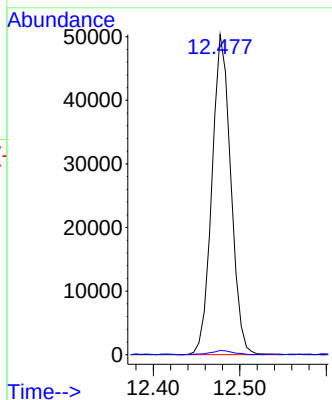
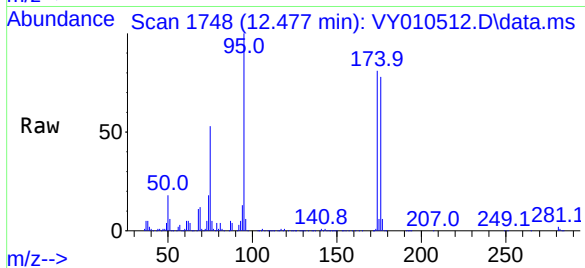




#76
1,2,3-Trichloropropane
Concen: 43.889 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

Instrument :
MSVOA_Y
ClientSampleId :
WC-2

Tgt Ion: 75 Resp: 76225
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.449 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010512.D
Acq: 15 Sep 2022 15:39

Tgt Ion: 75 Resp: 76225
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.1 37.0 55.4#

