

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091522\
 Data File : VY010513.D
 Acq On : 15 Sep 2022 16:02
 Operator : KP/MD
 Sample : N4634-01
 Misc : 4.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1

Quant Time: Sep 16 02:56:27 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	205843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	352073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	328220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	144824	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	121152	58.438	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.880%
35) Dibromofluoromethane	7.710	113	109167	43.659	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.320%
50) Toluene-d8	10.179	98	417557	51.526	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.060%
62) 4-Bromofluorobenzene	12.477	95	142172	43.455	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.900%

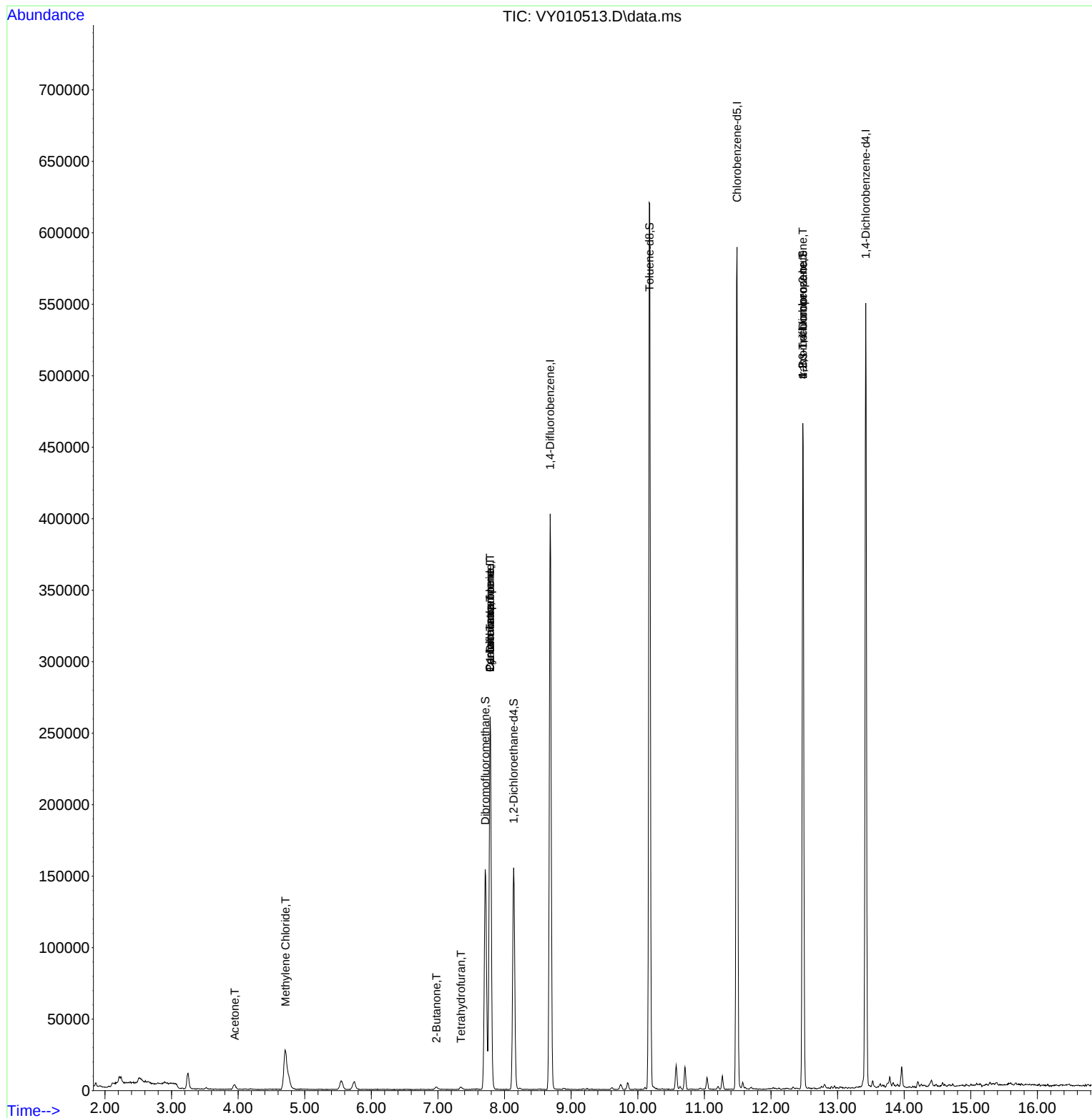
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.936	59	312	Below Cal	#	77
16) Acetone	3.948	43	6192	13.015	ug/l	95
20) Methylene Chloride	4.710	84	21135	2.671	ug/l #	79
25) 2-Butanone	6.978	43	927	1.226	ug/l #	80
29) Tetrahydrofuran	7.344	42	1223	2.592	ug/l	91
31) Cyclohexane	7.783	56	3890	1.111	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14913	4.357	ug/l #	51
38) Carbon Tetrachloride	7.783	117	20127	5.285	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	72256	45.206	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	72256	100.373	ug/l #	7

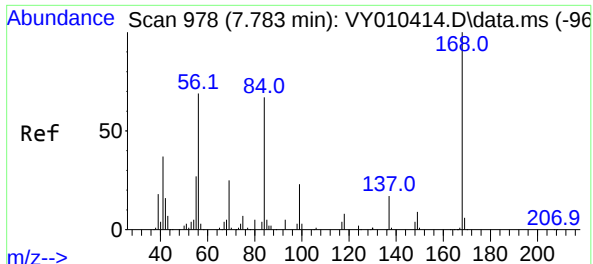
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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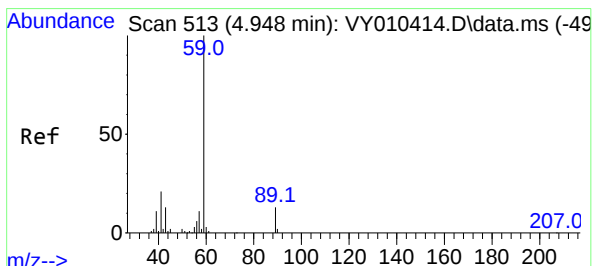
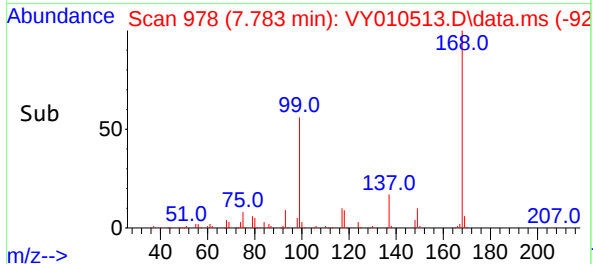
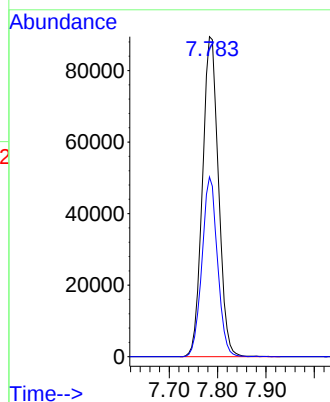
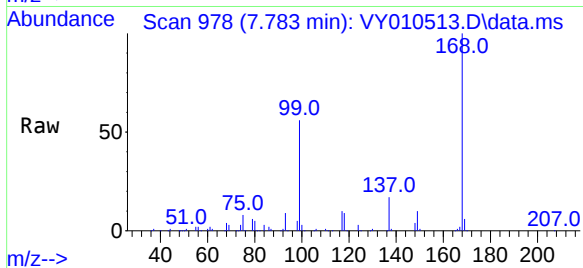




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010513.D
Acq: 15 Sep 2022 16:02

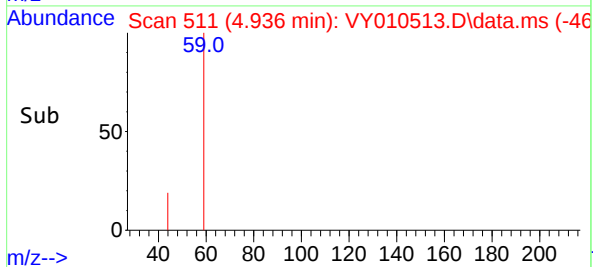
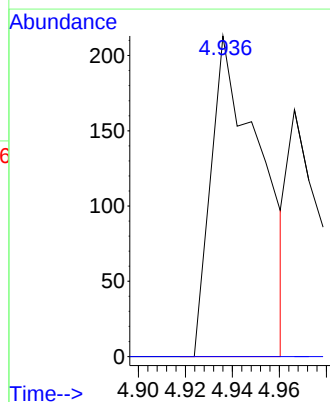
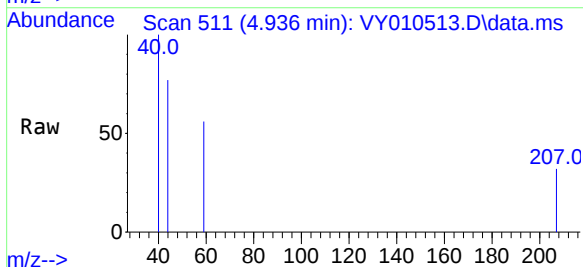
Instrument :
MSVOA_D
ClientSampleId :
WC-1

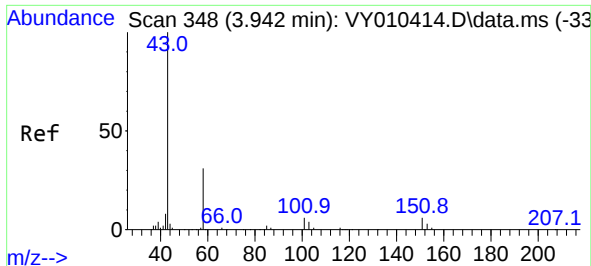
Tgt Ion:168 Resp: 205843
Ion Ratio Lower Upper
168 100
99 56.2 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010513.D
Acq: 15 Sep 2022 16:02

Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

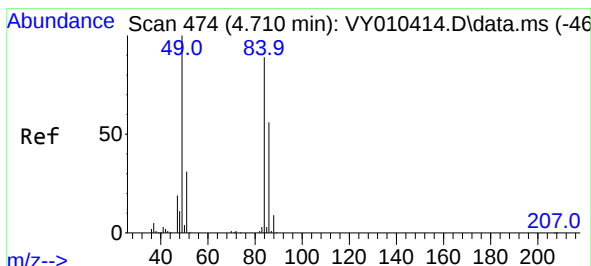
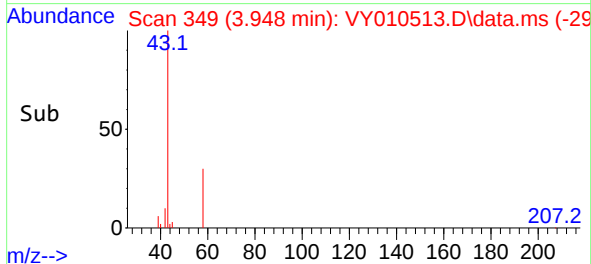
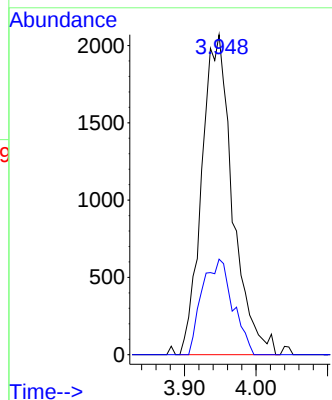
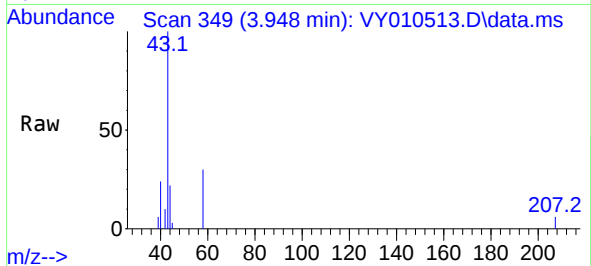




#16
Acetone
Concen: 13.015 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010513.D
Acq: 15 Sep 2022 16:02

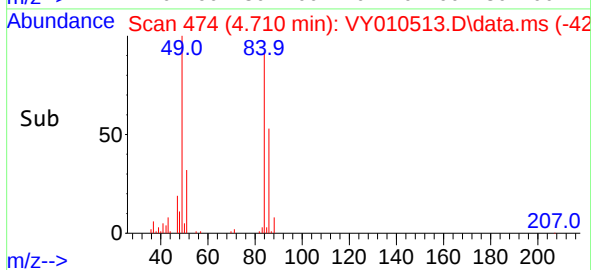
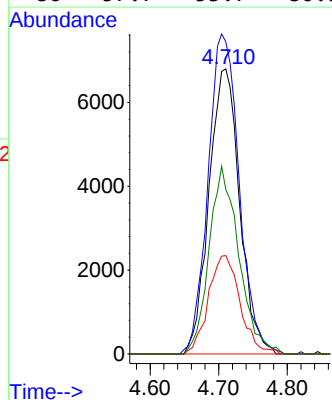
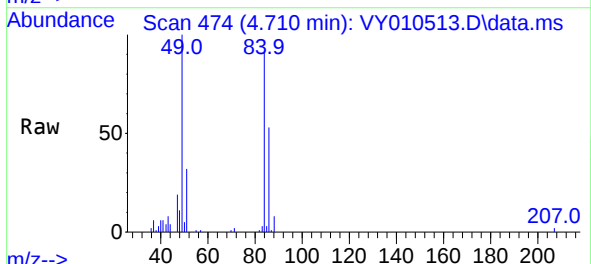
Instrument :
MSVOA_D
ClientSampleId :
WC-1

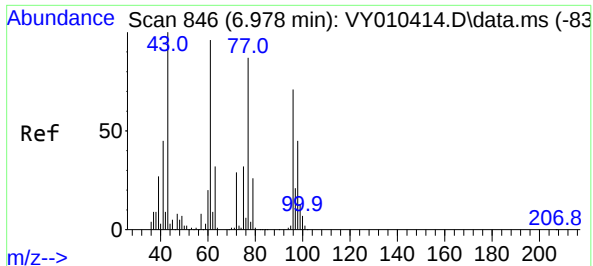
Tgt Ion: 43 Resp: 6192
Ion Ratio Lower Upper
43 100
58 29.9 22.0 33.0



#20
Methylene Chloride
Concen: 2.671 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010513.D
Acq: 15 Sep 2022 16:02

Tgt Ion: 84 Resp: 21135
Ion Ratio Lower Upper
84 100
49 109.5 114.4 171.6#
51 34.5 35.3 52.9#
86 57.7 53.7 80.5





#25

2-Butanone

Concen: 1.226 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010513.D

Acq: 15 Sep 2022 16:02

Instrument :

MSVOA_D

ClientSampleId :

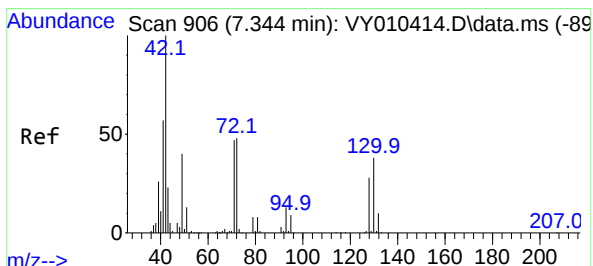
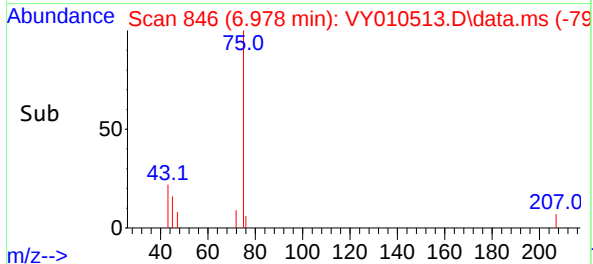
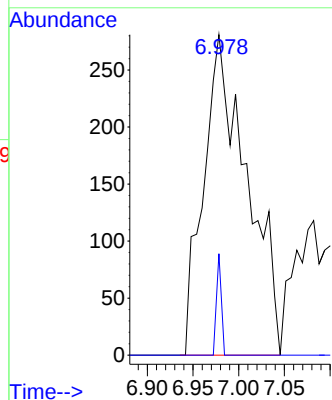
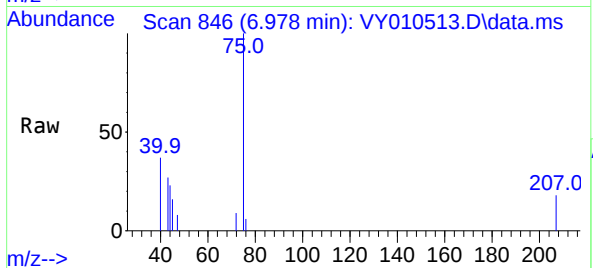
WC-1

Tgt Ion: 43 Resp: 927

Ion Ratio Lower Upper

43 100

72 31.7 17.7 26.5#



#29

Tetrahydrofuran

Concen: 2.592 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY010513.D

Acq: 15 Sep 2022 16:02

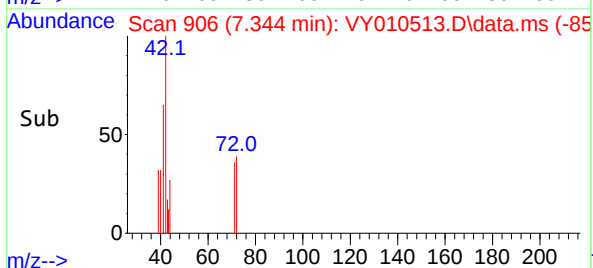
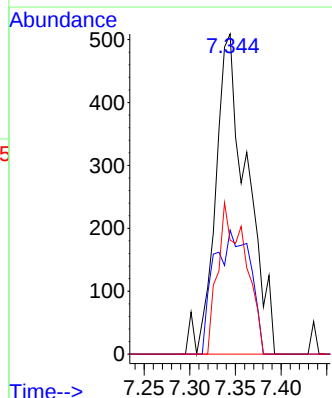
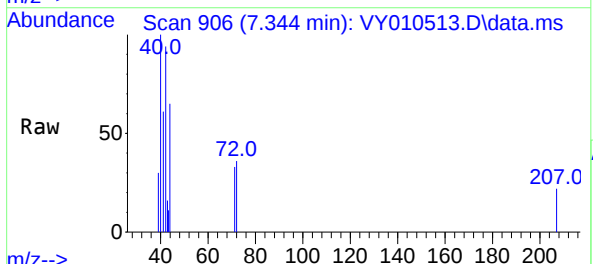
Tgt Ion: 42 Resp: 1223

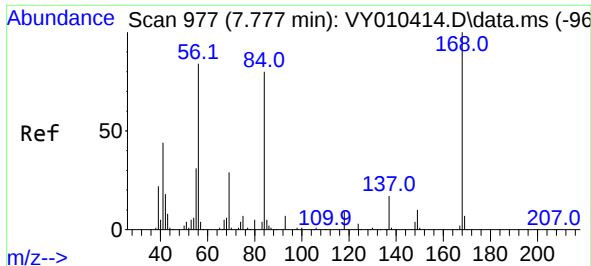
Ion Ratio Lower Upper

42 100

72 44.2 30.3 45.5

71 40.7 29.0 43.4

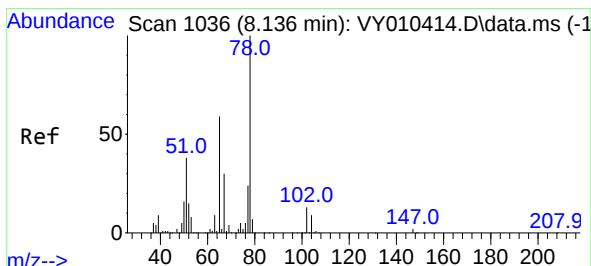
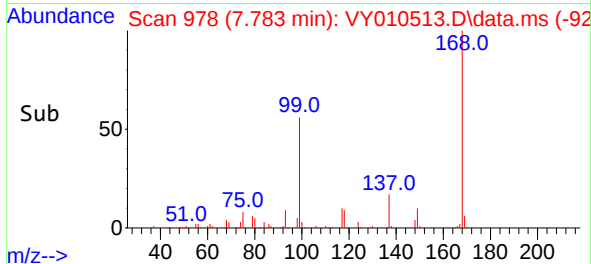
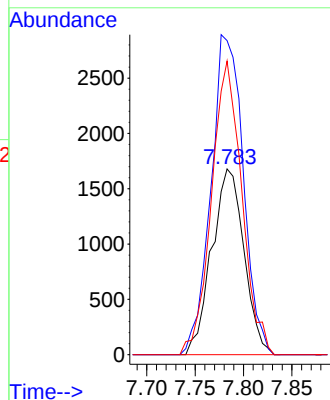
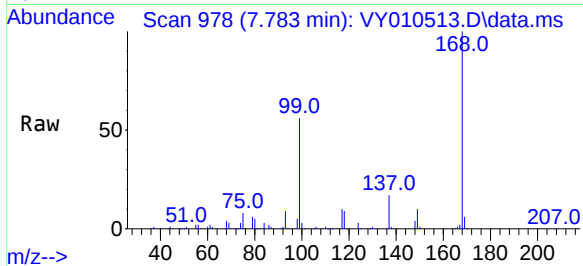




#31
Cyclohexane
Concen: 1.111 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010513.D
Acq: 15 Sep 2022 16:02

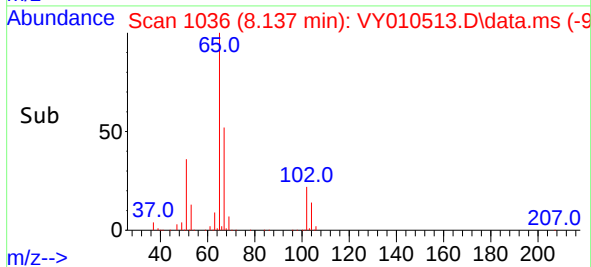
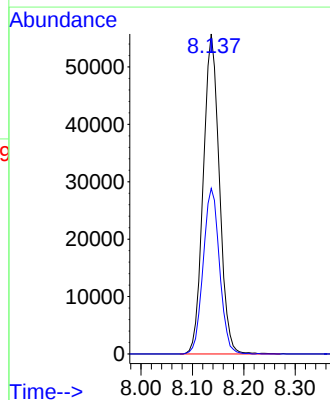
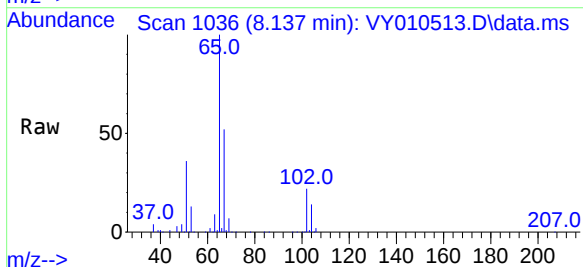
Instrument :
MSVOA_D
ClientSampleId :
WC-1

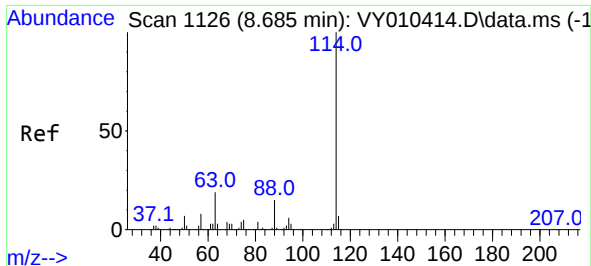
Tgt Ion: 56 Resp: 3890
Ion Ratio Lower Upper
56 100
69 169.1 26.7 40.1#
84 158.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 58.438 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010513.D
Acq: 15 Sep 2022 16:02

Tgt Ion: 65 Resp: 121152
Ion Ratio Lower Upper
65 100
67 52.3 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: VY010513.D

Acq: 15 Sep 2022 16:02

Instrument :

MSVOA_D

ClientSampleId :

WC-1

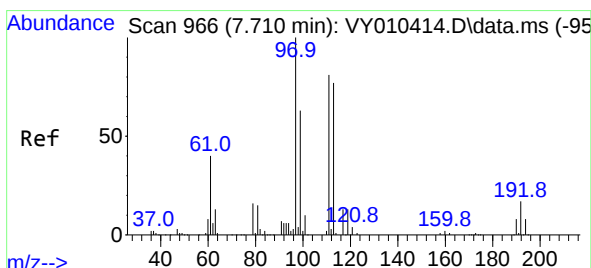
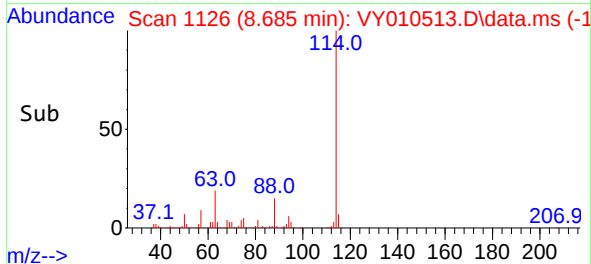
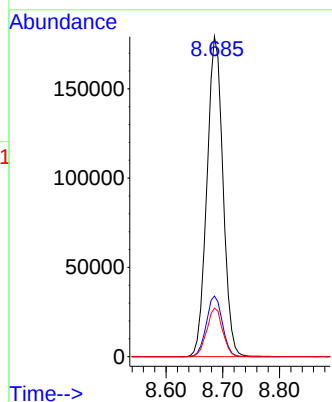
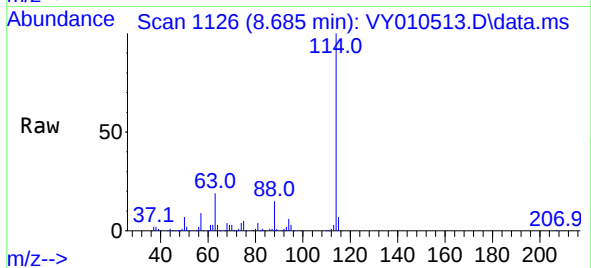
Tgt Ion:114 Resp: 352073

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 43.659 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010513.D

Acq: 15 Sep 2022 16:02

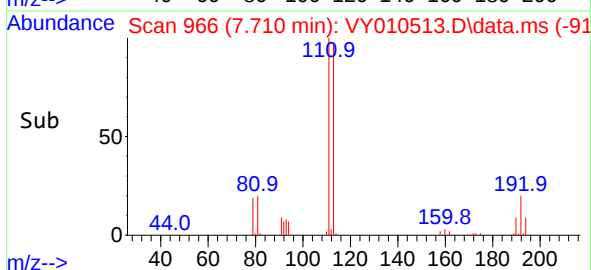
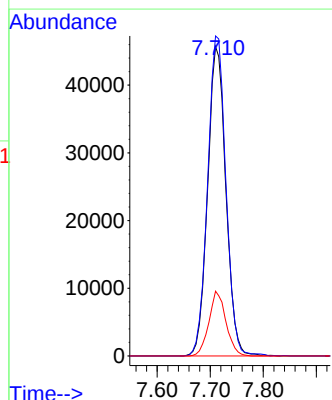
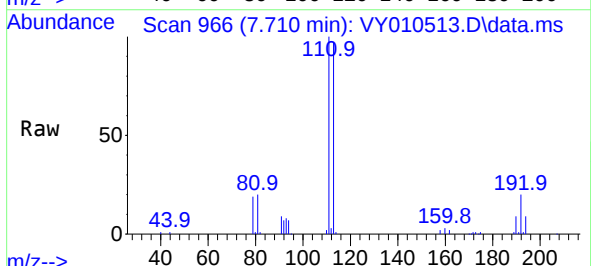
Tgt Ion:113 Resp: 109167

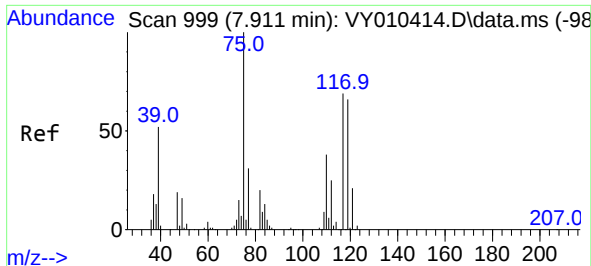
Ion Ratio Lower Upper

113 100

111 103.9 82.6 124.0

192 19.6 17.6 26.4

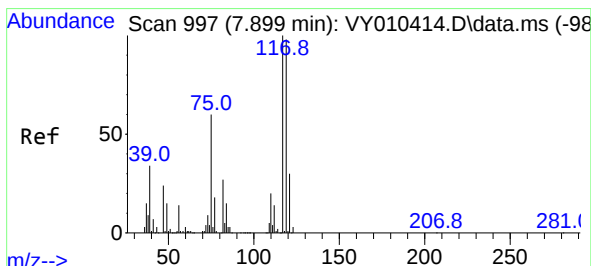
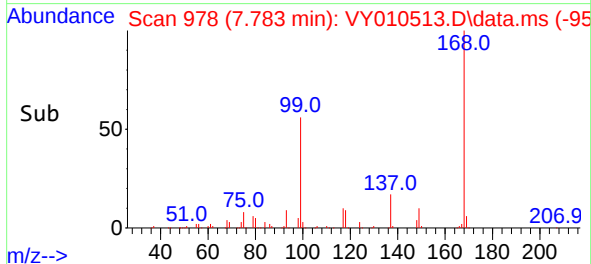
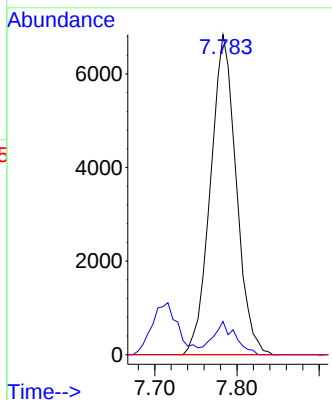
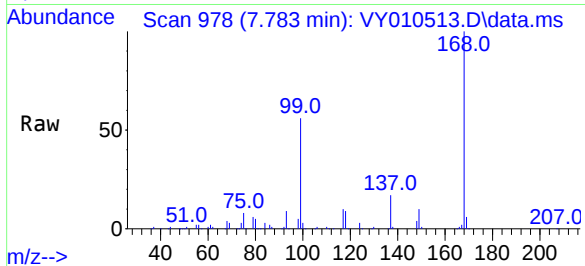




#36
1,1-Dichloropropene
Concen: 4.357 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010513.D
Acq: 15 Sep 2022 16:02

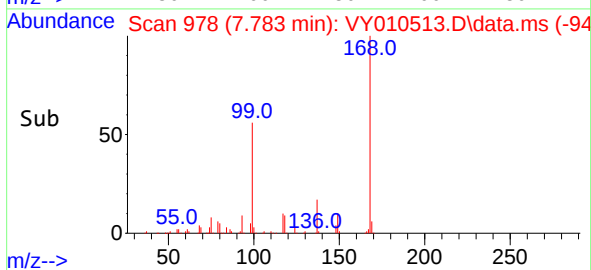
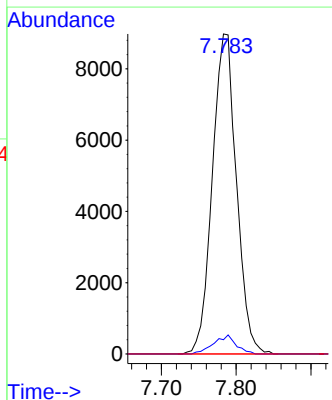
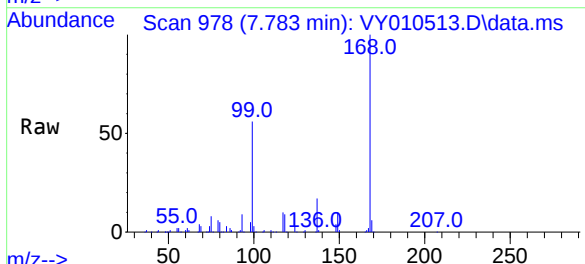
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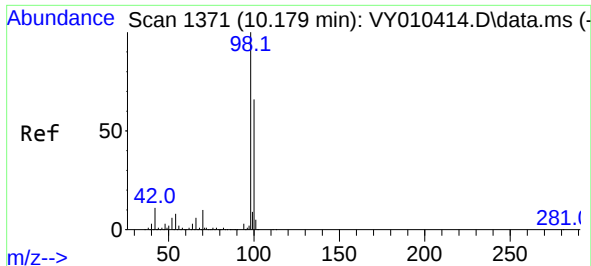
Tgt Ion: 75 Resp: 14913
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.285 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY010513.D
Acq: 15 Sep 2022 16:02

Tgt Ion: 117 Resp: 20127
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#

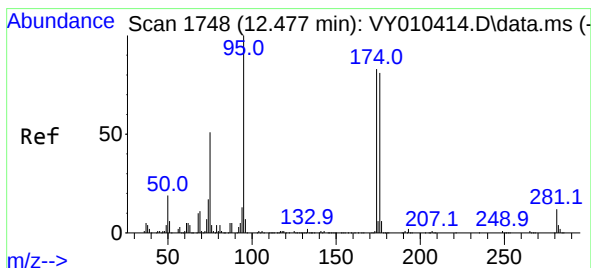
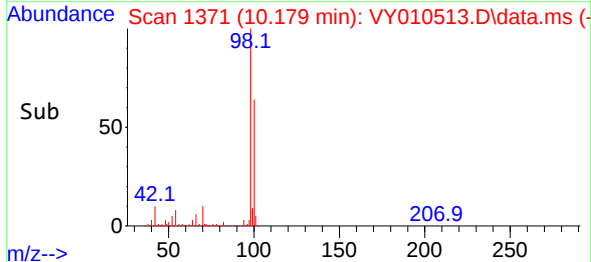
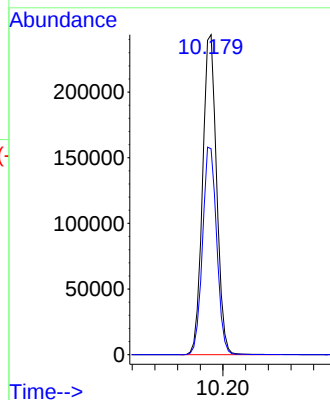
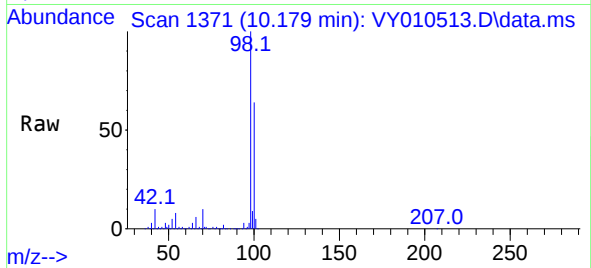




#50
Toluene-d8
Concen: 51.526 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010513.D
Acq: 15 Sep 2022 16:02

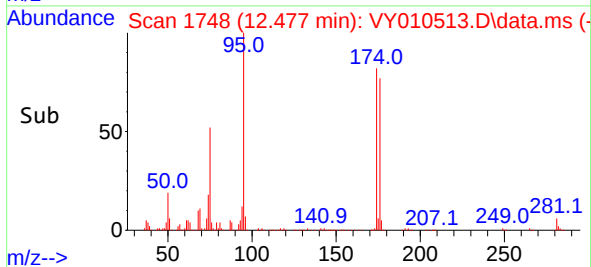
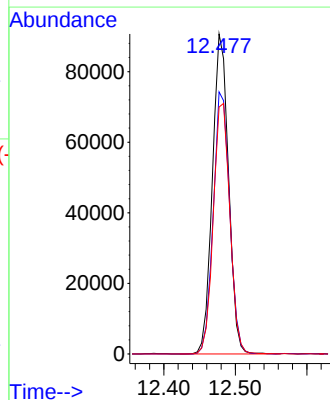
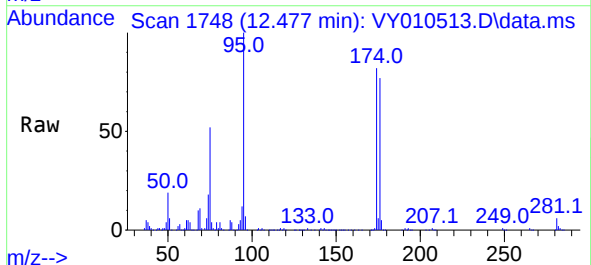
Instrument :
MSVOA_D
ClientSampleId :
WC-1

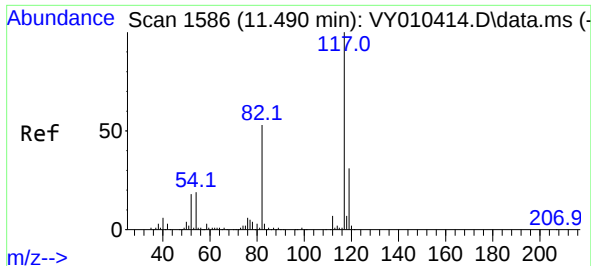
Tgt Ion: 98 Resp: 417557
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 43.455 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010513.D
Acq: 15 Sep 2022 16:02

Tgt Ion: 95 Resp: 142172
Ion Ratio Lower Upper
95 100
174 82.9 0.0 177.0
176 80.6 0.0 175.8

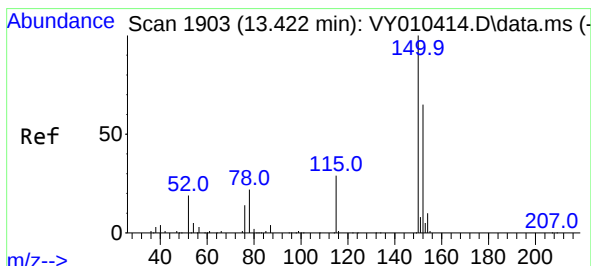
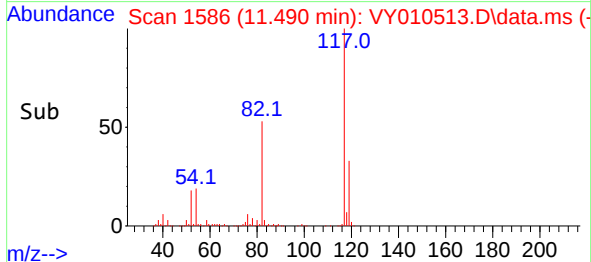
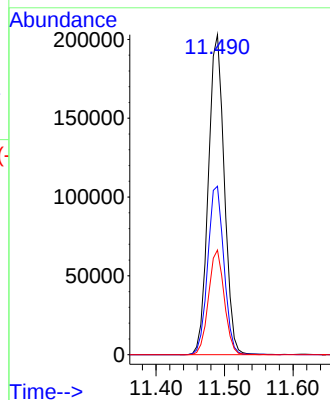
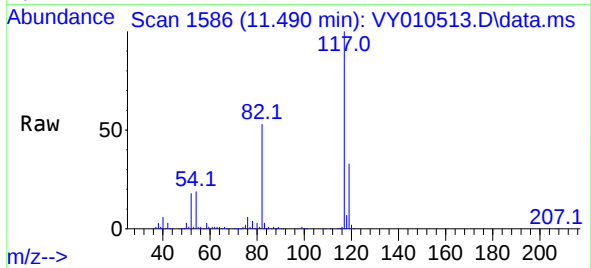




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010513.D
Acq: 15 Sep 2022 16:02

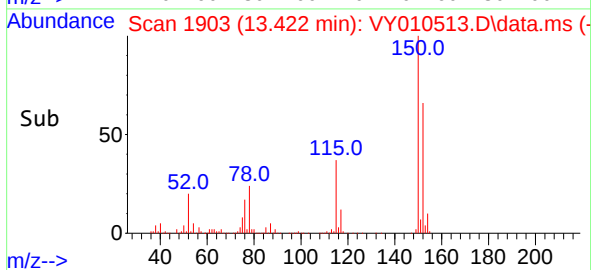
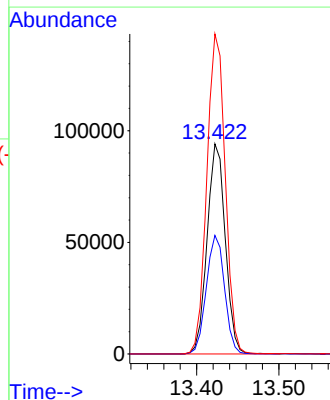
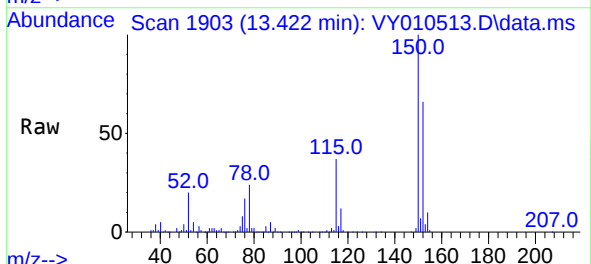
Instrument :
MSVOA_D
ClientSampleId :
WC-1

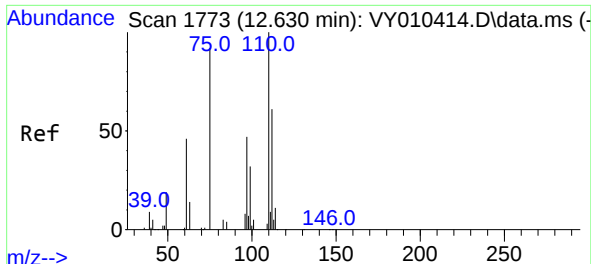
Tgt Ion:117 Resp: 328220
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010513.D
Acq: 15 Sep 2022 16:02

Tgt Ion:152 Resp: 144824
Ion Ratio Lower Upper
152 100
115 56.7 28.2 84.7
150 154.0 0.0 347.6

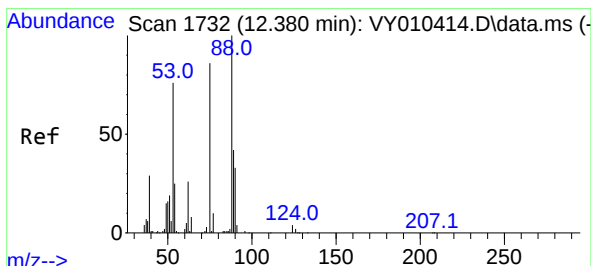
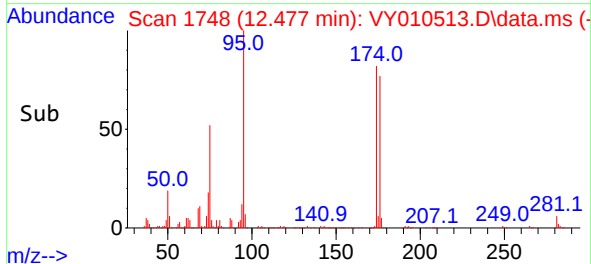
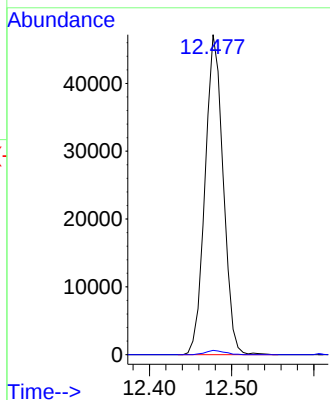
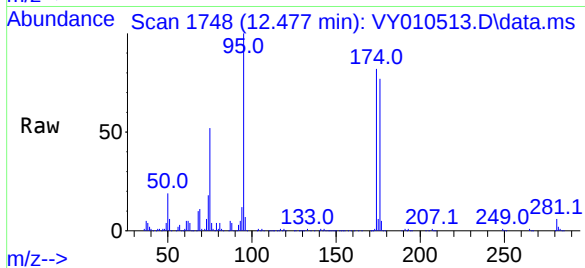




#76
1,2,3-Trichloropropane
Concen: 45.206 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010513.D
Acq: 15 Sep 2022 16:02

Instrument :
MSVOA_D
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 72256
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.373 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010513.D
Acq: 15 Sep 2022 16:02

Tgt Ion: 75 Resp: 72256
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.3 37.0 55.4#

