

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052522\
 Data File : VY009101.D
 Acq On : 25 May 2022 19:37
 Operator : KP/MD
 Sample : N3025-05
 Misc : 6.64g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 UST-BOT

Quant Time: May 26 04:32:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

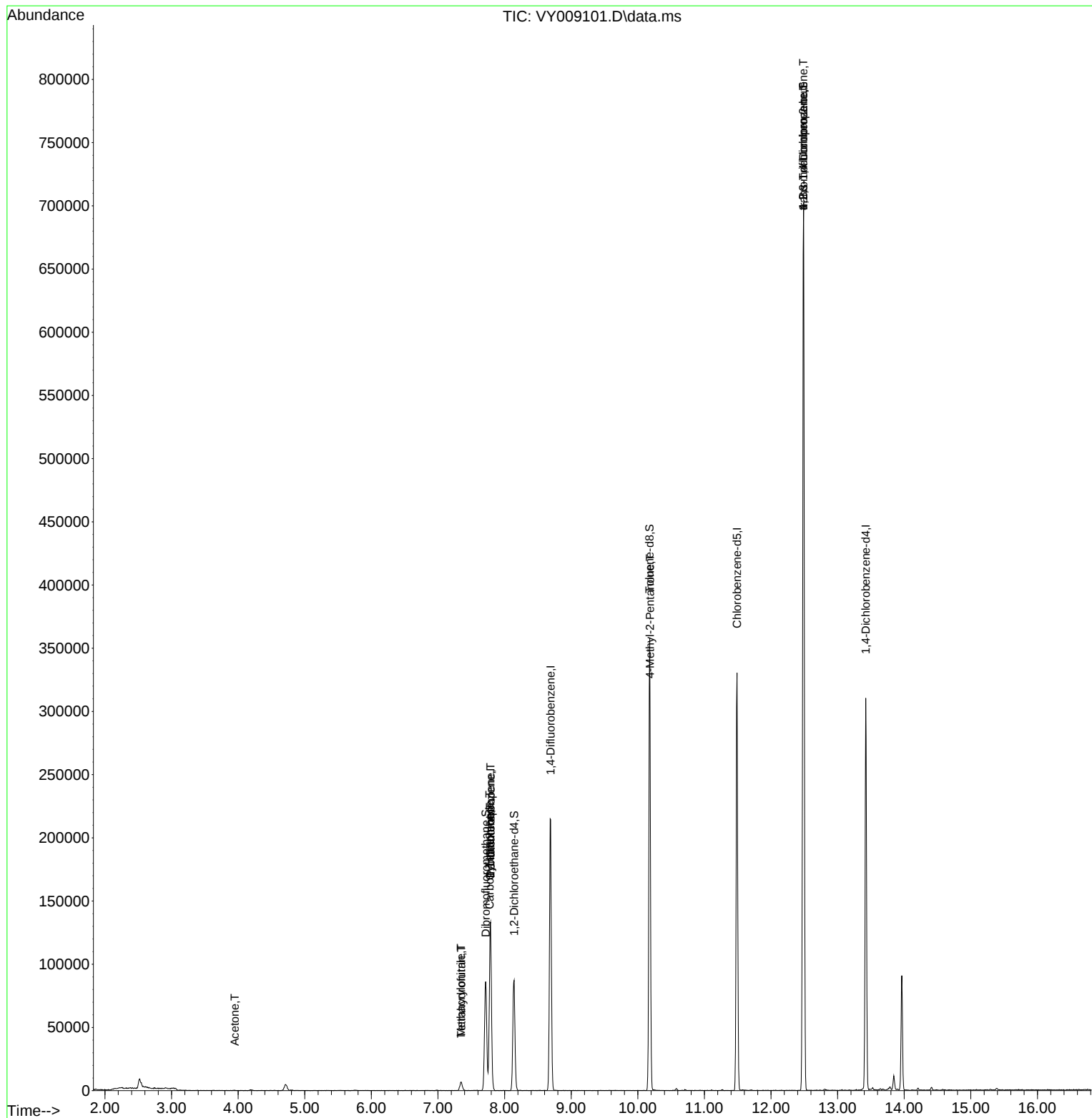
Internal Standards						
1) Pentafluorobenzene	7.789	168	99666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	180127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	167356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	72170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66216	64.554	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.100%	
35) Dibromofluoromethane	7.716	113	59603	53.212	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.420%	
50) Toluene-d8	10.179	98	224296	54.280	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.560%	
62) 4-Bromofluorobenzene	12.483	95	71122	42.667	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.340%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	310	1.452	ug/l #	47
20) Methylene Chloride	4.704	84	3396	Below Cal	#	77
29) Tetrahydrofuran	7.350	42	5209	20.108	ug/l	95
31) Cyclohexane	7.783	56	2412	1.202	ug/l #	31
36) 1,1-Dichloropropene	7.789	75	8586	4.504	ug/l #	53
38) Carbon Tetrachloride	7.777	117	10148	5.089	ug/l #	14
41) Methacrylonitrile	7.344	41	2974	5.829	ug/l #	52
51) 4-Methyl-2-Pentanone	10.185	43	1050	1.032	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	45356	58.522	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45356	120.117	ug/l #	9

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

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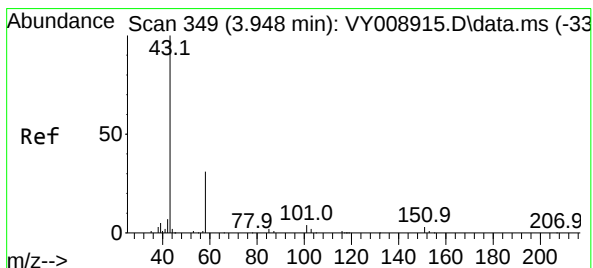
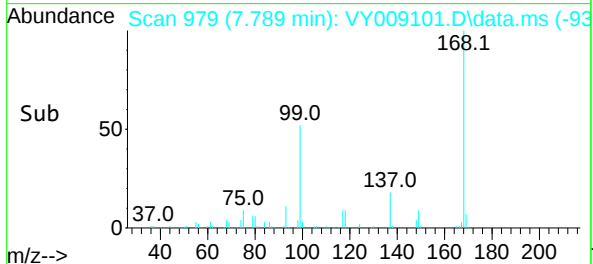
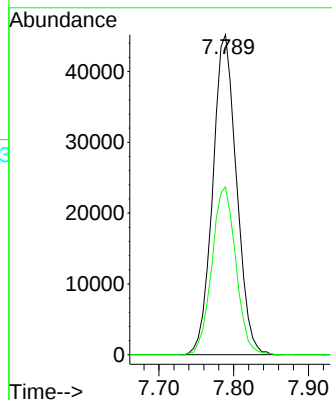
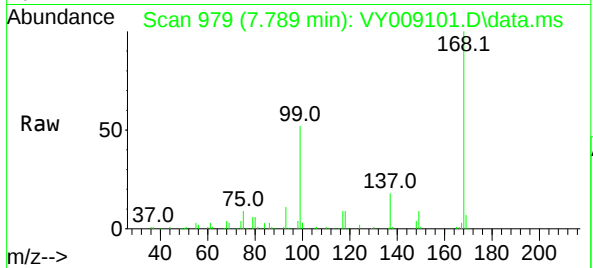




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

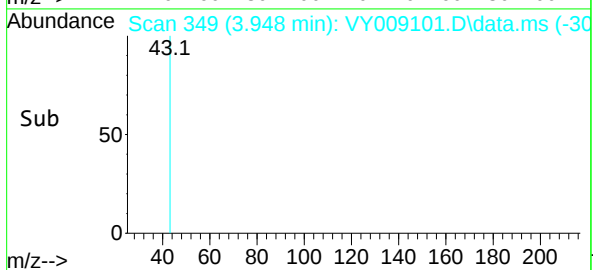
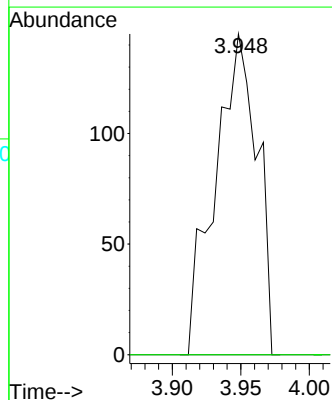
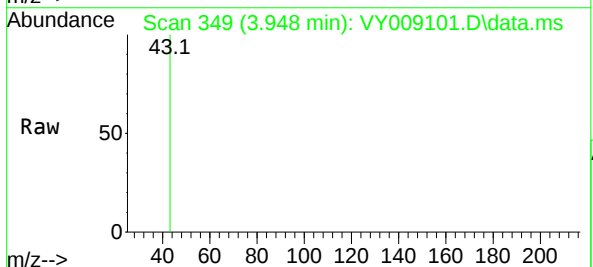
Instrument :
MSVOA_Y
ClientSampleId :
UST-BOT

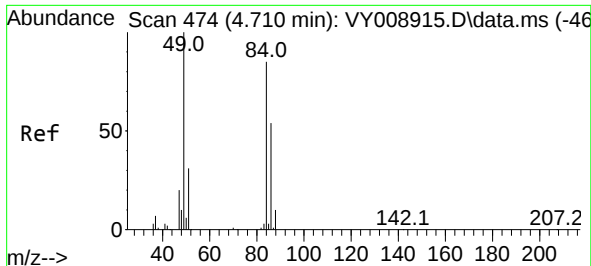
Tgt Ion:168 Resp: 99666
Ion Ratio Lower Upper
168 100
99 52.5 46.9 70.3



#16
Acetone
Concen: 1.452 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

Tgt Ion: 43 Resp: 310
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



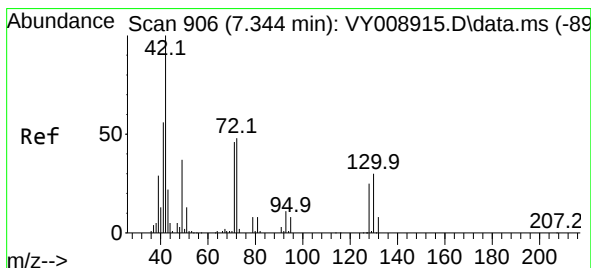
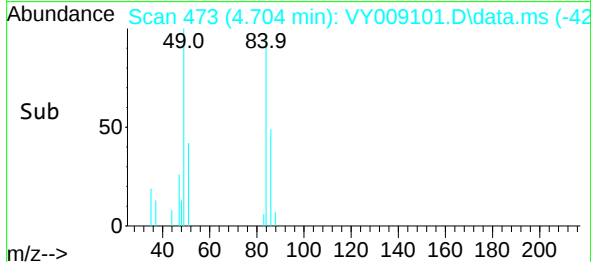
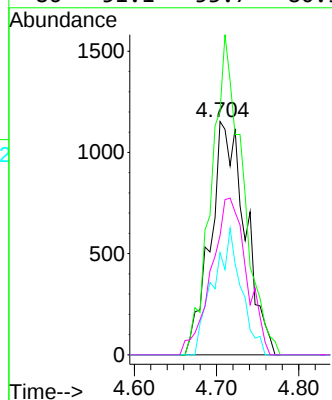
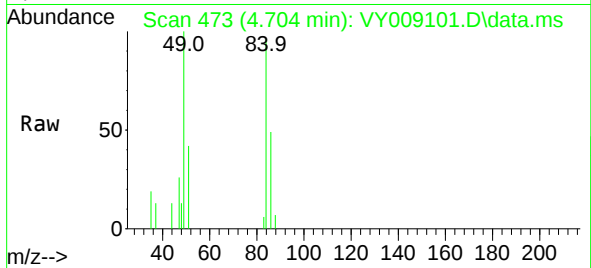


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

Instrument :
MSVOA_Y
ClientSampleId :
UST-BOT

Tgt Ion: 84 Resp: 3396

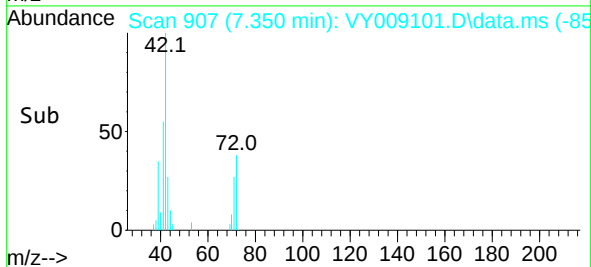
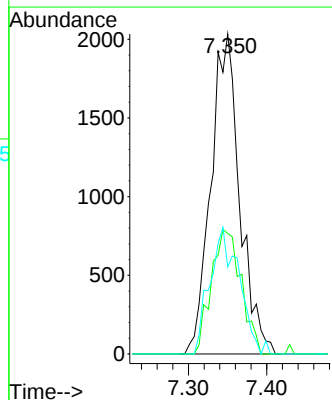
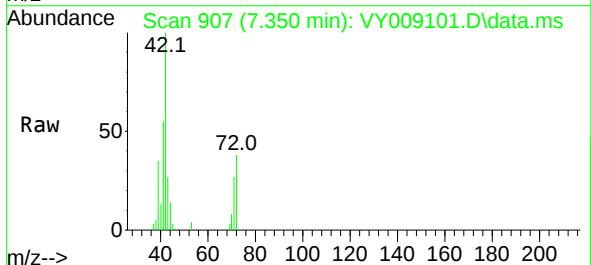
Ion	Ratio	Lower	Upper
84	100		
49	104.3	114.4	171.6#
51	43.8	35.3	52.9
86	51.1	53.7	80.5#

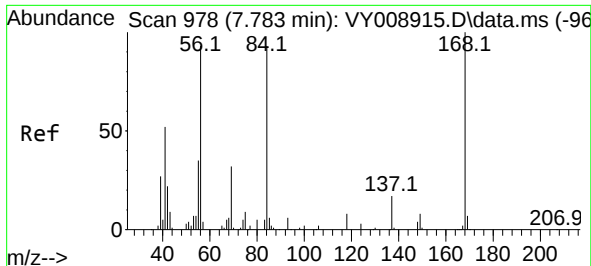


#29
Tetrahydrofuran
Concen: 20.108 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

Tgt Ion: 42 Resp: 5209

Ion	Ratio	Lower	Upper
42	100		
72	40.0	30.3	45.5
71	40.3	29.0	43.4

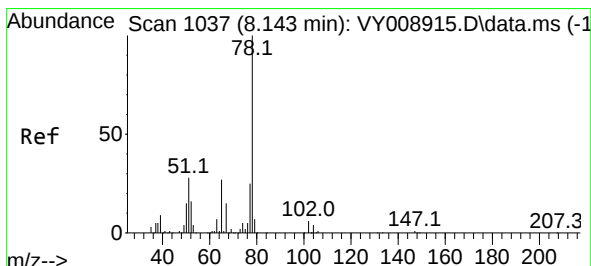
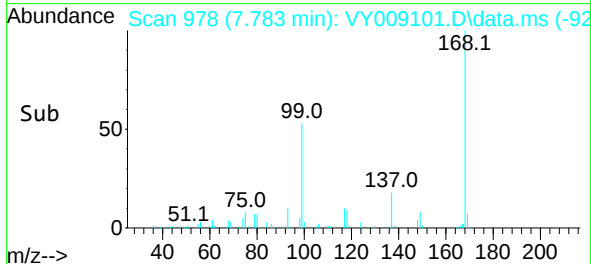
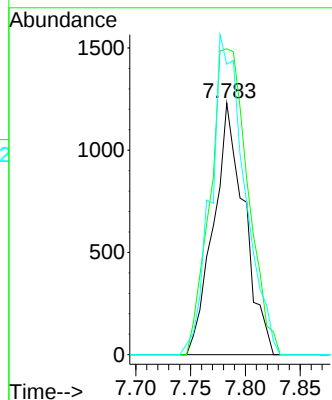
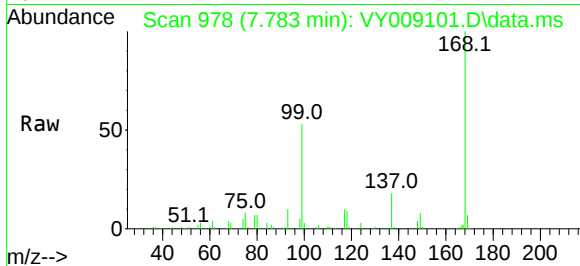




#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

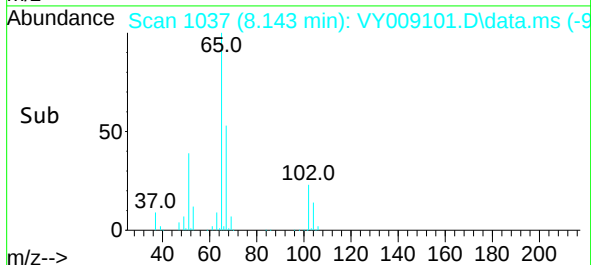
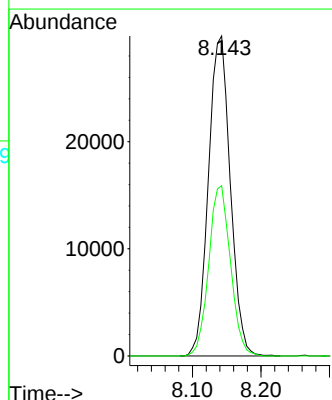
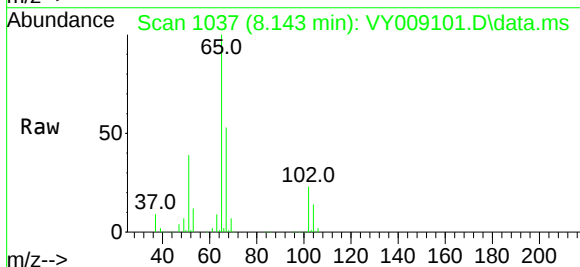
Instrument :
MSVOA_Y
ClientSampleId :
UST-BOT

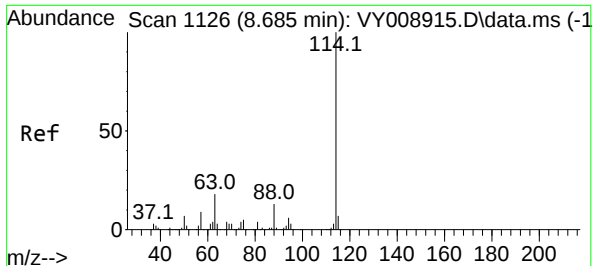
Tgt Ion: 56 Resp: 2412
Ion Ratio Lower Upper
56 100
69 121.5 26.7 40.1#
84 115.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 64.554 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

Tgt Ion: 65 Resp: 66216
Ion Ratio Lower Upper
65 100
67 52.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY009101.D

Acq: 25 May 2022 19:37

Instrument :

MSVOA_Y

ClientSampleId :

UST-BOT

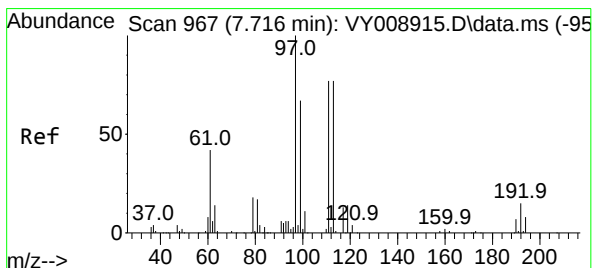
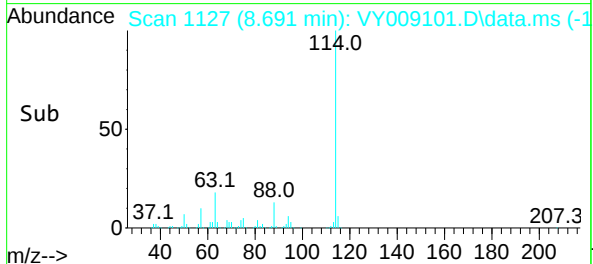
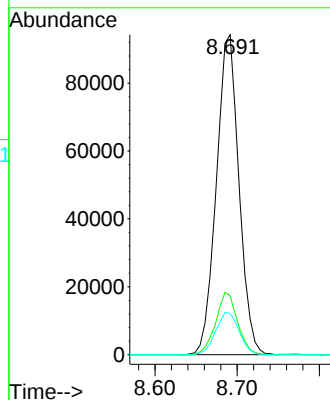
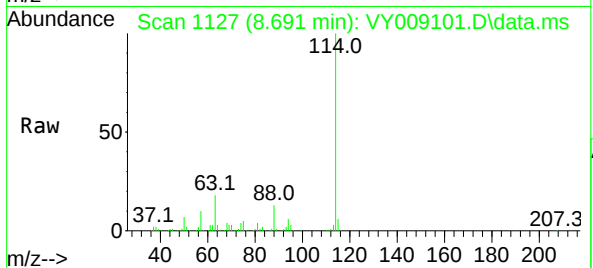
Tgt Ion:114 Resp: 180127

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 12.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.212 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY009101.D

Acq: 25 May 2022 19:37

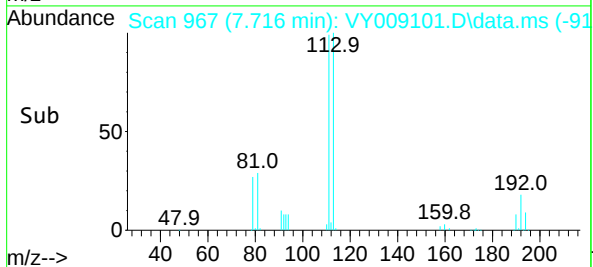
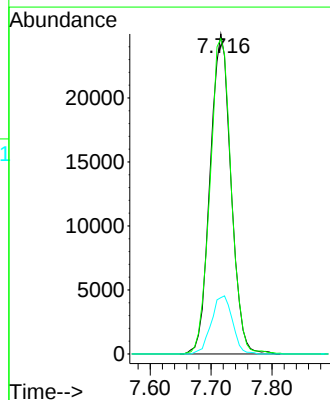
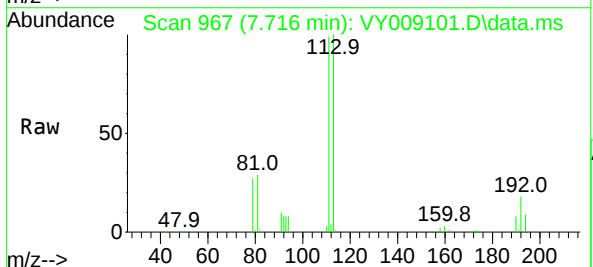
Tgt Ion:113 Resp: 59603

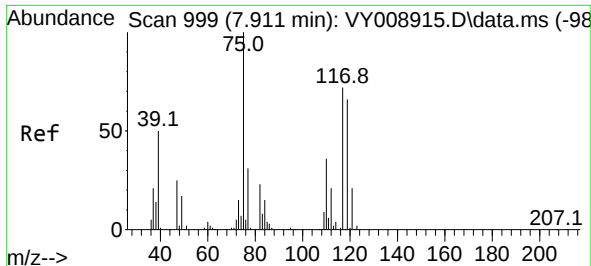
Ion Ratio Lower Upper

113 100

111 100.0 82.6 124.0

192 18.4 17.6 26.4

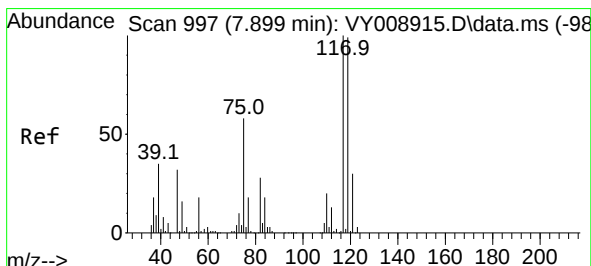
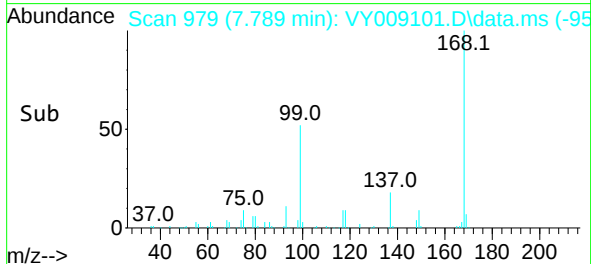
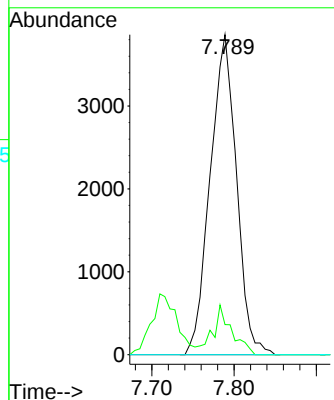
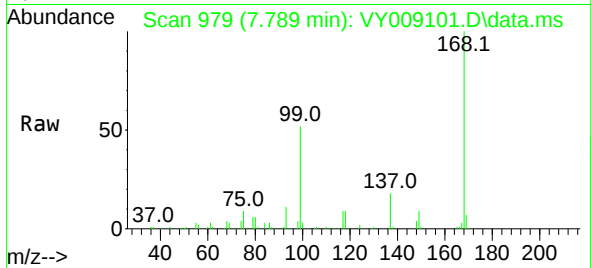




#36
1,1-Dichloropropene
Concen: 4.504 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.122 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

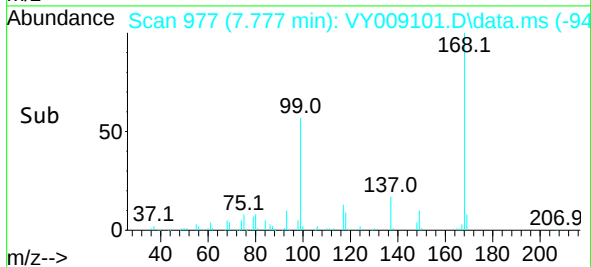
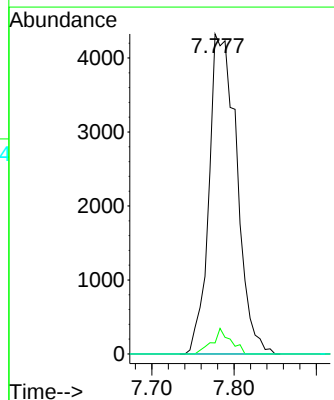
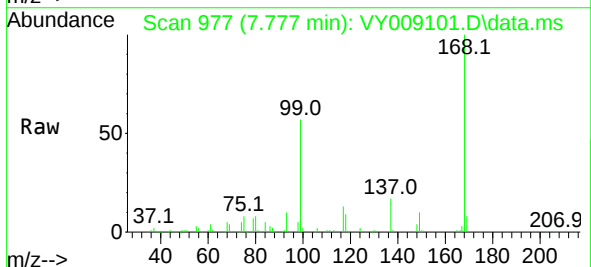
Instrument :
MSVOA_Y
ClientSampleId :
UST-BOT

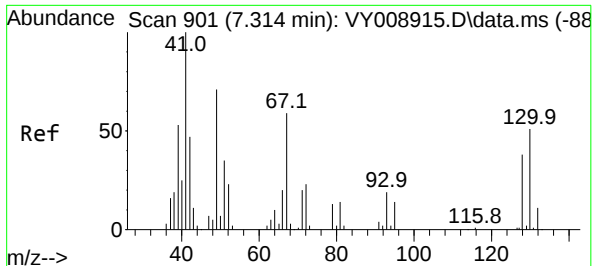
Tgt Ion: 75 Resp: 8586
Ion Ratio Lower Upper
75 100
110 11.2 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.089 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.122 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

Tgt Ion: 117 Resp: 10148
Ion Ratio Lower Upper
117 100
119 3.4 77.9 116.9#
121 0.0 24.8 37.2#

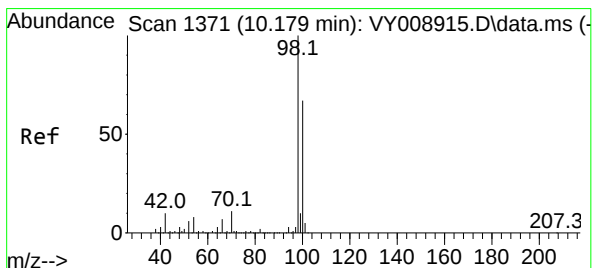
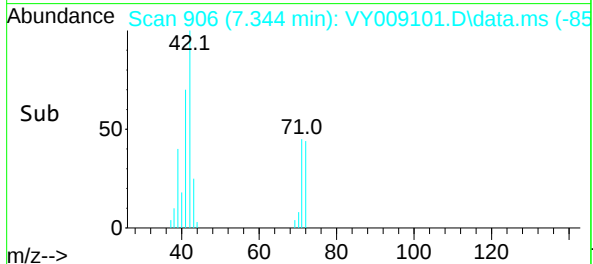
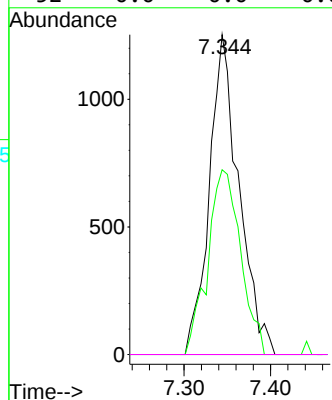
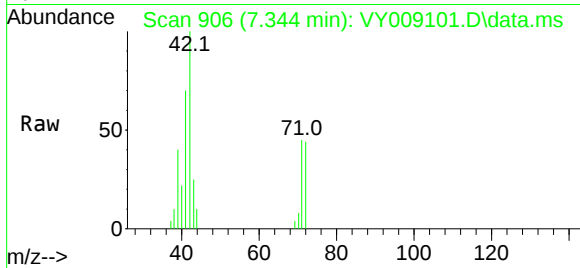




#41
Methacrylonitrile
Concen: 5.829 ug/l
RT: 7.344 min Scan# 901
Delta R.T. 0.030 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

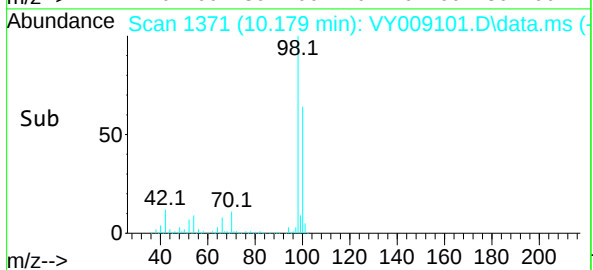
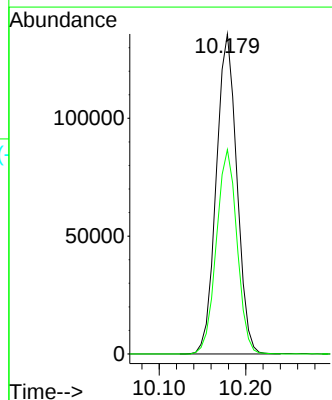
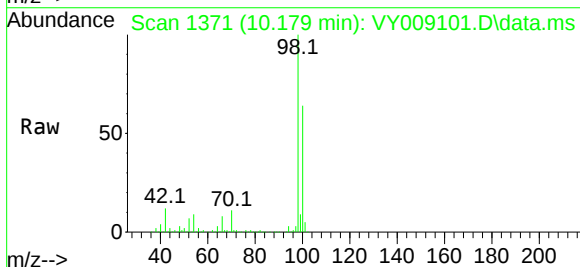
Instrument :
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UST-BOT

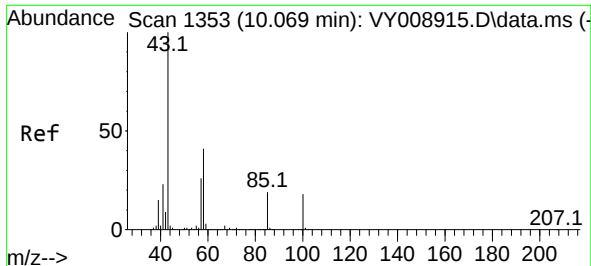
Tgt Ion: 41 Resp: 2974
Ion Ratio Lower Upper
41 100
39 64.2 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 54.280 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

Tgt Ion: 98 Resp: 224296
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

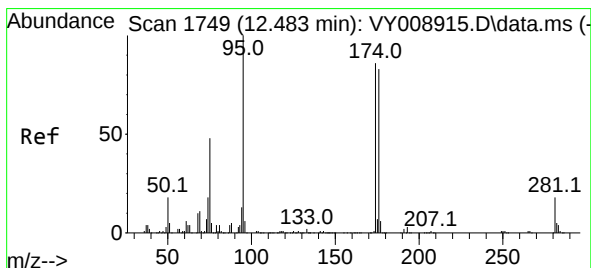
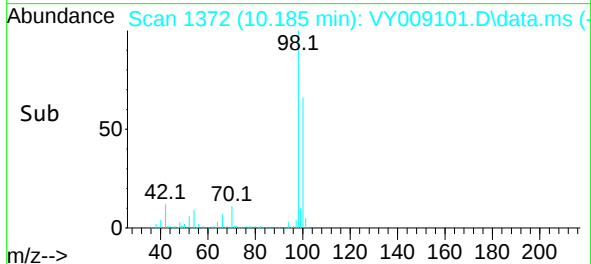
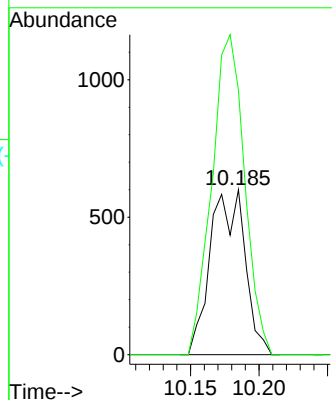
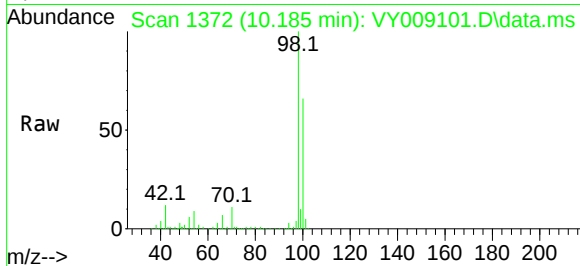




#51
4-Methyl-2-Pentanone
Concen: 1.032 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

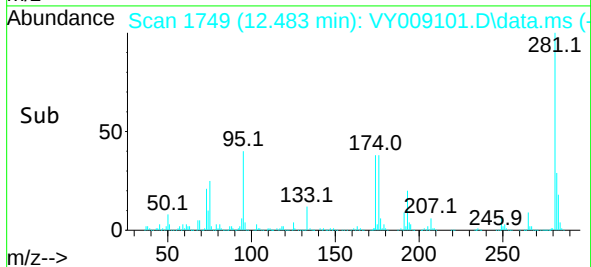
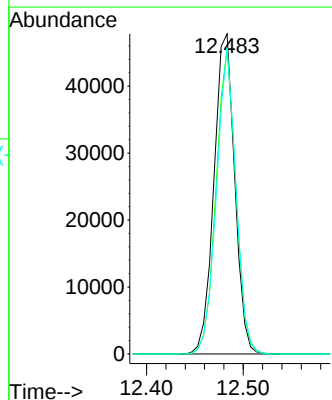
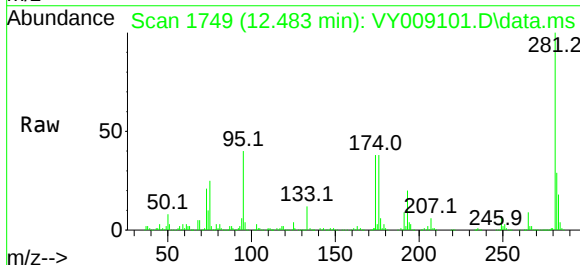
Instrument :
MSVOA_Y
ClientSampleId :
UST-BOT

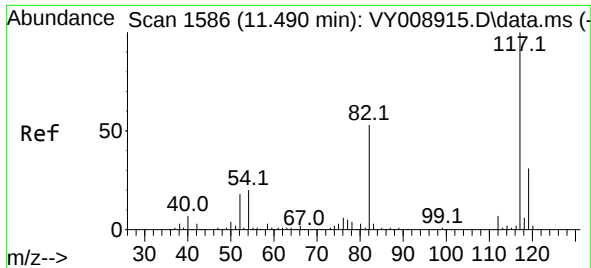
Tgt Ion: 43 Resp: 1050
Ion Ratio Lower Upper
43 100
58 184.4 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 42.667 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

Tgt Ion: 95 Resp: 71122
Ion Ratio Lower Upper
95 100
174 91.0 0.0 177.0
176 89.9 0.0 175.8

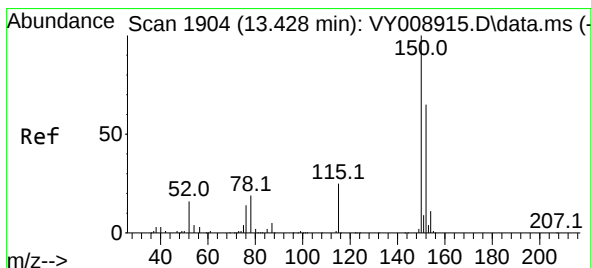
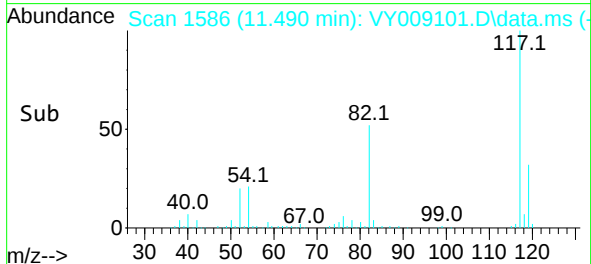
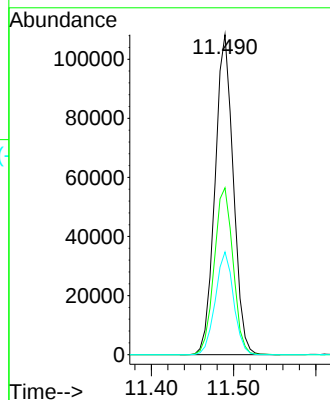
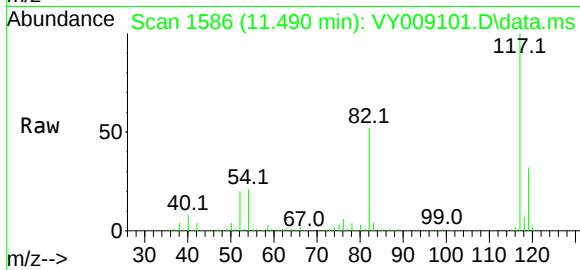




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

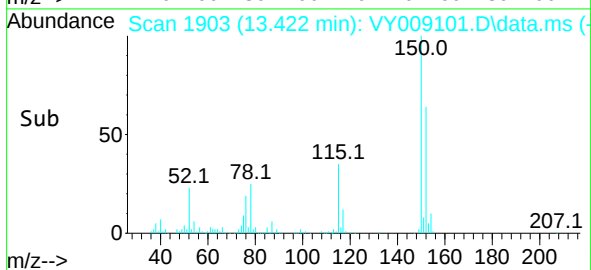
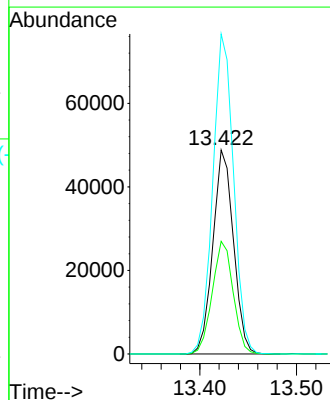
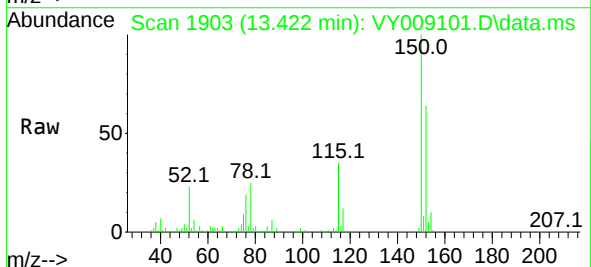
Instrument :
MSVOA_Y
ClientSampleId :
UST-BOT

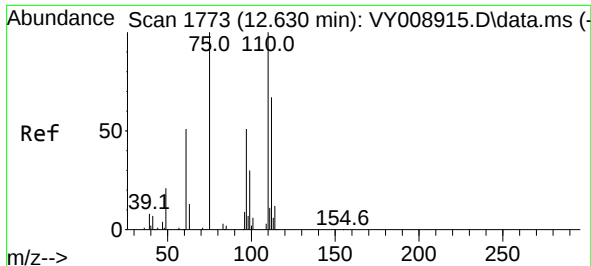
Tgt Ion:117 Resp: 167356
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.4
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

Tgt Ion:152 Resp: 72170
Ion Ratio Lower Upper
152 100
115 56.2 28.2 84.7
150 157.6 0.0 347.6

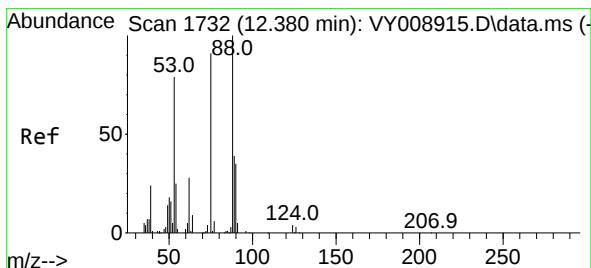
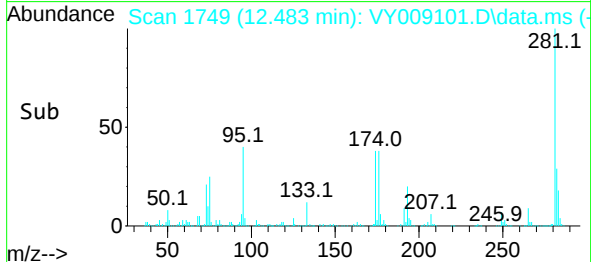
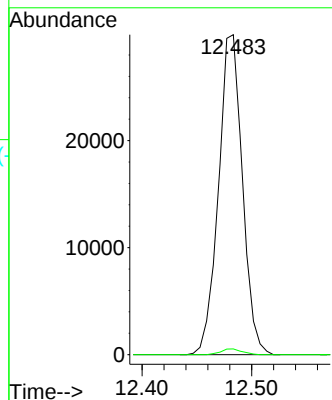
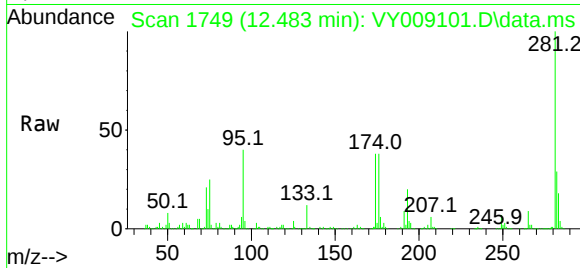




#76
1,2,3-Trichloropropane
Concen: 58.522 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

Instrument :
MSVOA_Y
ClientSampleId :
UST-BOT

Tgt Ion: 75 Resp: 45356
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.117 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY009101.D
Acq: 25 May 2022 19:37

Tgt Ion: 75 Resp: 45356
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 3.2 37.0 55.4#

