

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010131.D
 Acq On : 20 Aug 2022 03:12
 Operator : KP/MD
 Sample : N4142-05
 Misc : 6.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 UST-BOT

Quant Time: Aug 22 02:52:26 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)

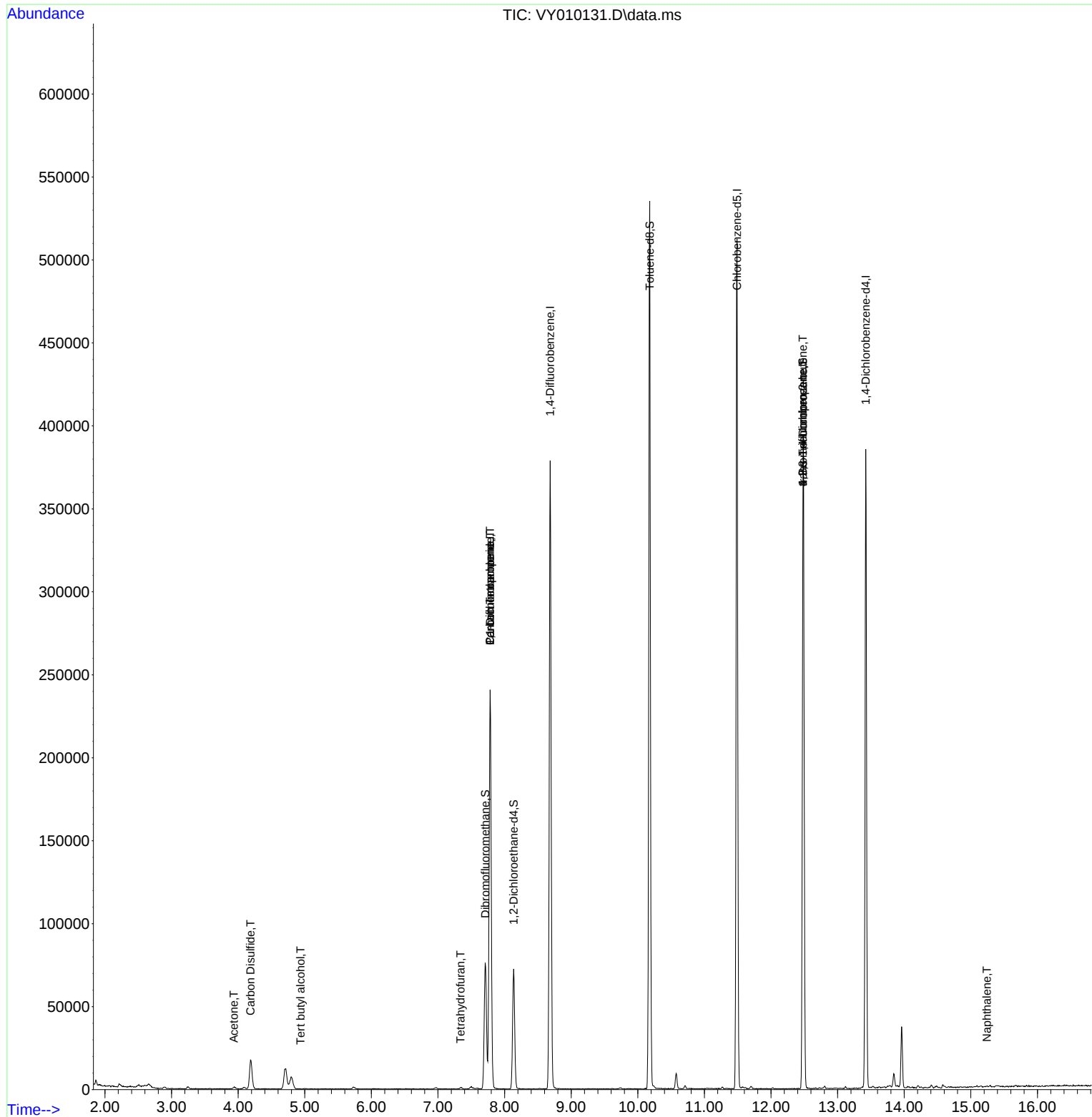
Internal Standards						
1) Pentafluorobenzene	7.783	168	194510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	333866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	293617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	103911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	55082	34.573	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.140%
35) Dibromofluoromethane	7.710	113	56299	29.926	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	59.860%
50) Toluene-d8	10.179	98	353115	50.092	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.180%
62) 4-Bromofluorobenzene	12.477	95	82891	32.911	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	65.820%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	108	11.081	ug/l #	73
16) Acetone	3.936	43	1846	4.629	ug/l	99
17) Carbon Disulfide	4.186	76	37169	6.532	ug/l	99
20) Methylene Chloride	4.716	84	9885	Below Cal		94
29) Tetrahydrofuran	7.338	42	671	1.636	ug/l #	83
36) 1,1-Dichloropropene	7.783	75	13089	4.359	ug/l #	48
38) Carbon Tetrachloride	7.783	117	17879	5.677	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	40265	41.376	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	40265	83.103	ug/l #	18
95) Naphthalene	15.239	128	333	3.965	ug/l #	69

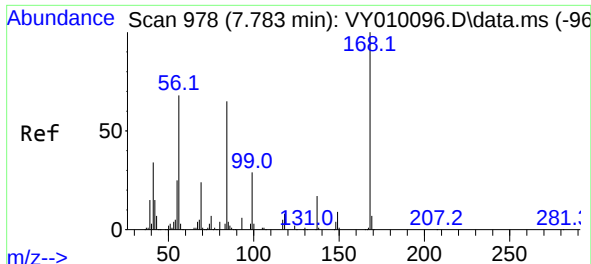
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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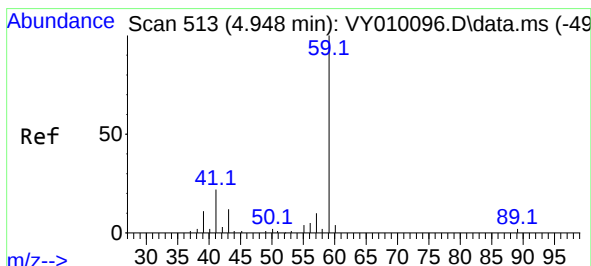
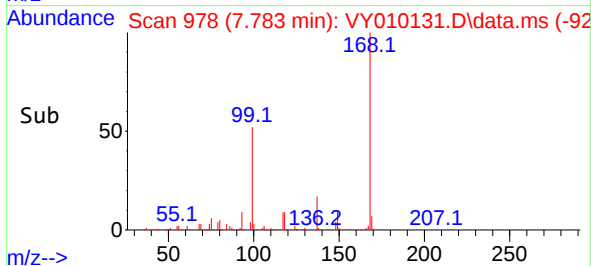
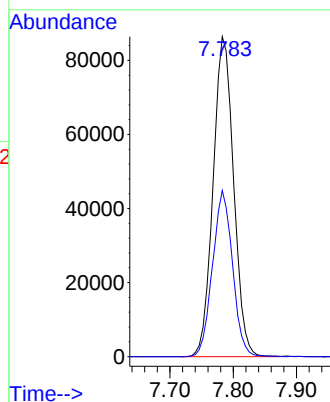
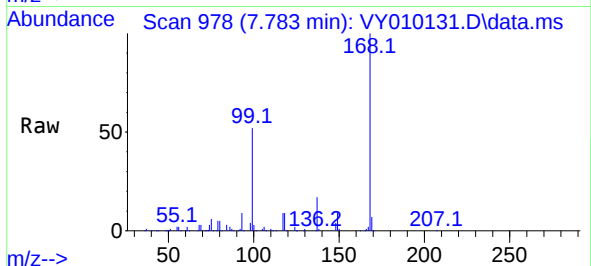




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

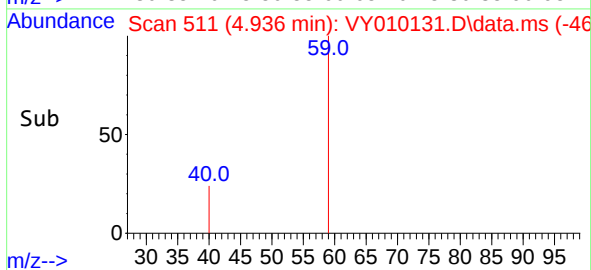
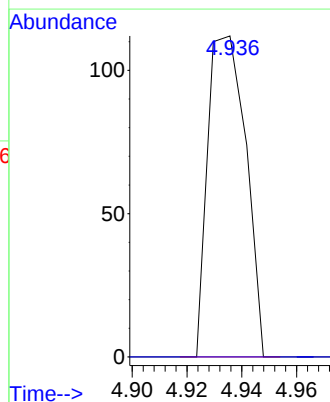
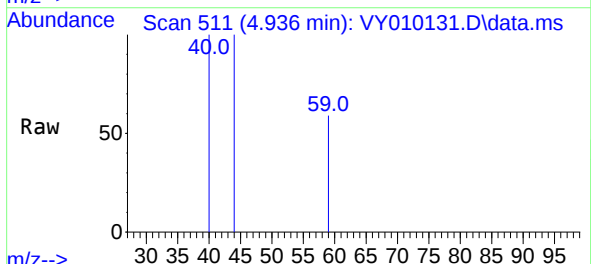
Instrument :
MSVOA_Y
ClientSampleId :
UST-BOT

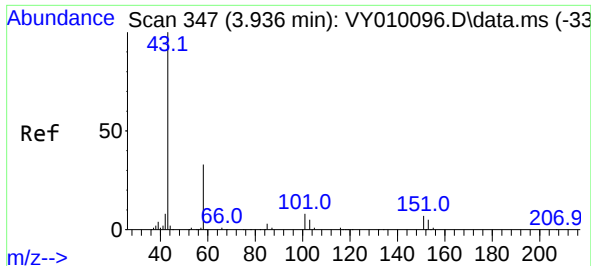
Tgt Ion:168 Resp: 194510
Ion Ratio Lower Upper
168 100
99 51.9 40.7 61.1



#11
Tert butyl alcohol
Concen: 11.081 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

Tgt Ion: 59 Resp: 108
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

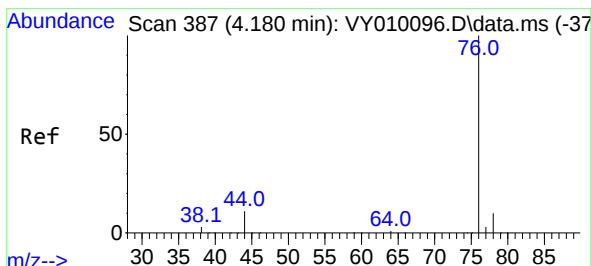
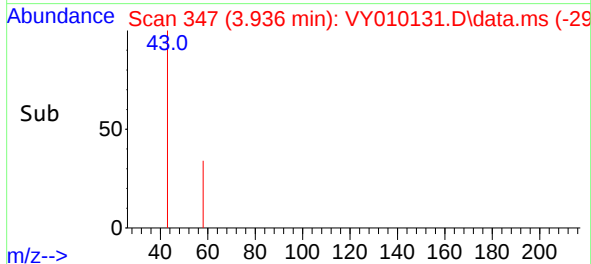
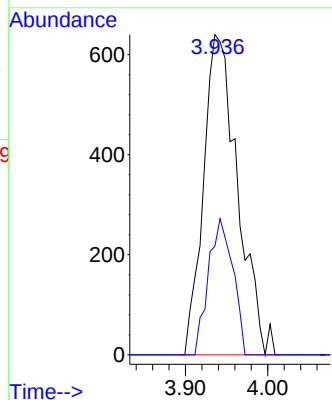
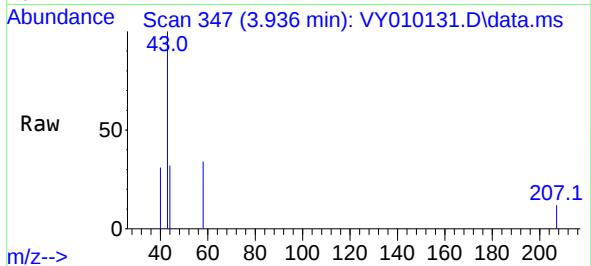




#16
Acetone
Concen: 4.629 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

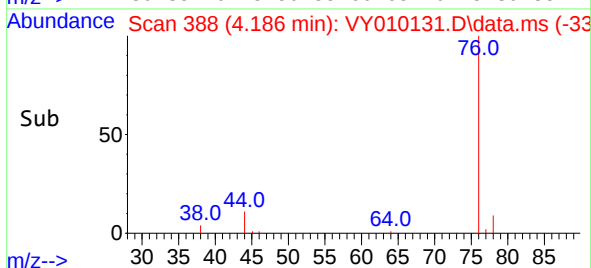
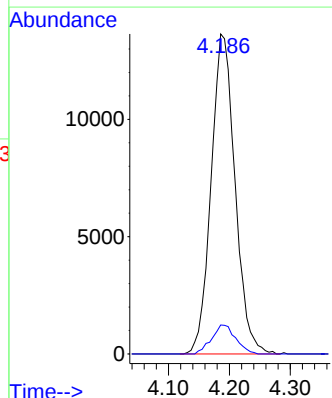
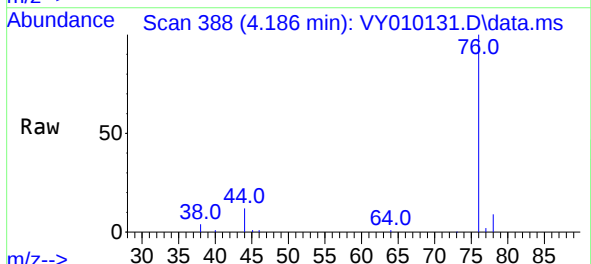
Instrument :
MSVOA_Y
ClientSampleId :
UST-BOT

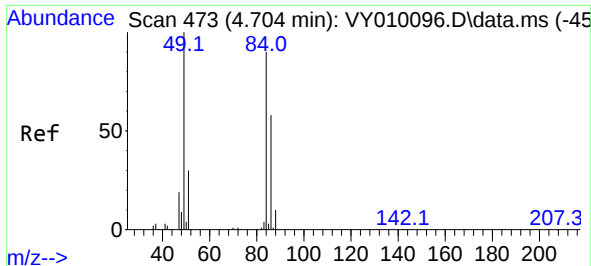
Tgt Ion: 43 Resp: 1846
Ion Ratio Lower Upper
43 100
58 33.9 27.4 41.0



#17
Carbon Disulfide
Concen: 6.532 ug/l
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

Tgt Ion: 76 Resp: 37169
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5



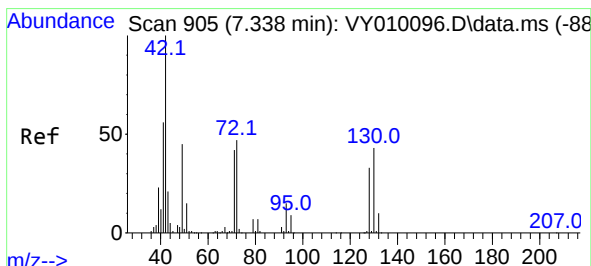
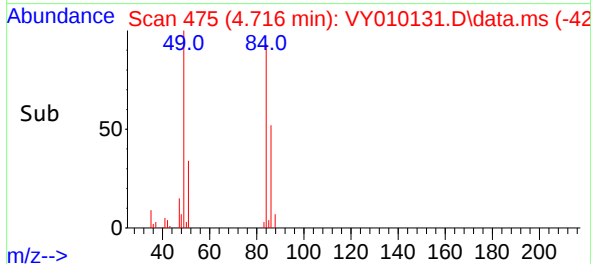
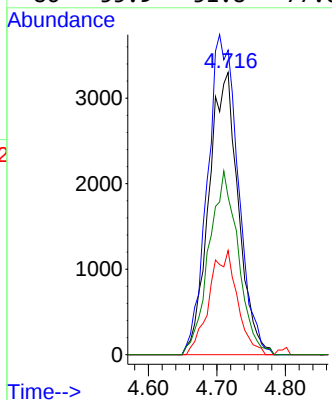
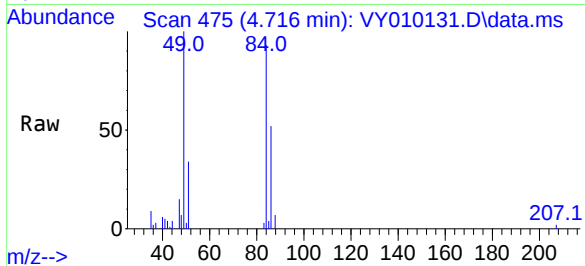


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

Instrument :
MSVOA_Y
ClientSampleId :
UST-BOT

Tgt Ion: 84 Resp: 9885

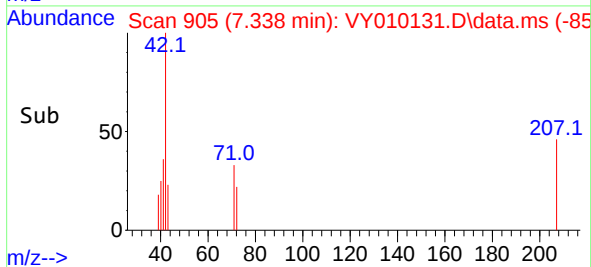
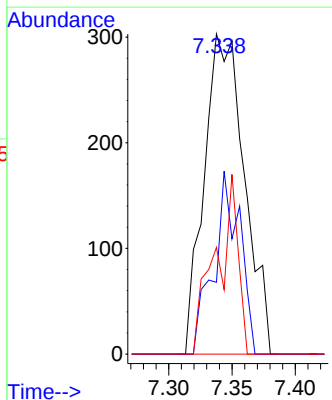
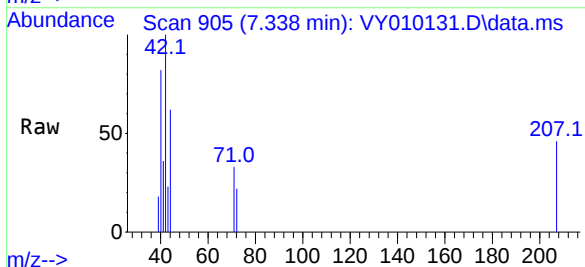
Ion	Ratio	Lower	Upper
84	100		
49	107.9	89.0	133.4
51	36.9	27.0	40.6
86	55.9	51.8	77.6

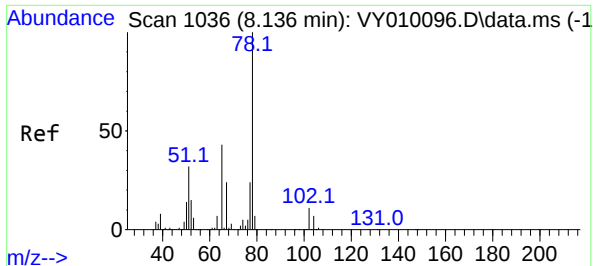


#29
Tetrahydrofuran
Concen: 1.636 ug/l
RT: 7.338 min Scan# 905
Delta R.T. -0.000 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

Tgt Ion: 42 Resp: 671

Ion	Ratio	Lower	Upper
42	100		
72	37.1	37.4	56.0#
71	30.7	34.9	52.3#





#33

1,2-Dichloroethane-d4

Concen: 34.573 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010131.D

Acq: 20 Aug 2022 03:12

Instrument :

MSVOA_Y

ClientSampleId :

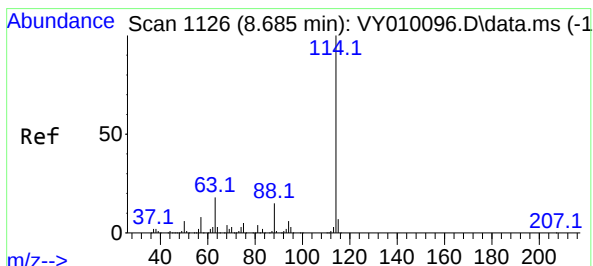
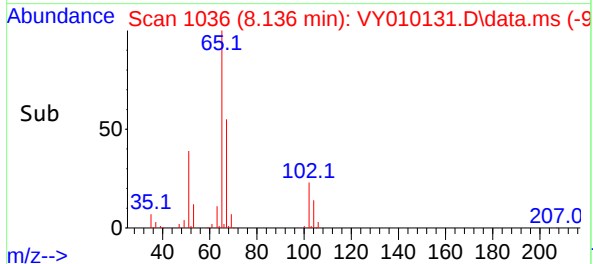
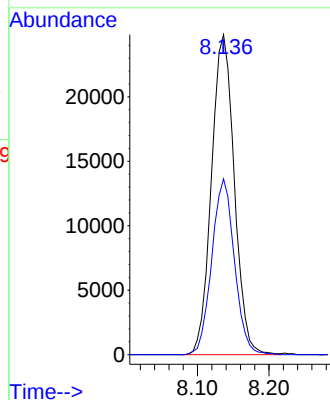
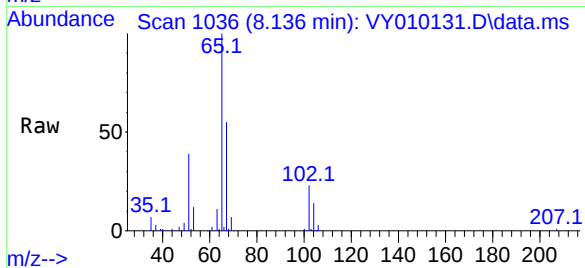
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Tgt Ion: 65 Resp: 55082

Ion Ratio Lower Upper

65 100

67 54.4 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: VY010131.D

Acq: 20 Aug 2022 03:12

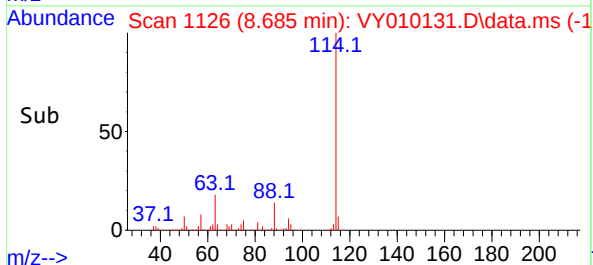
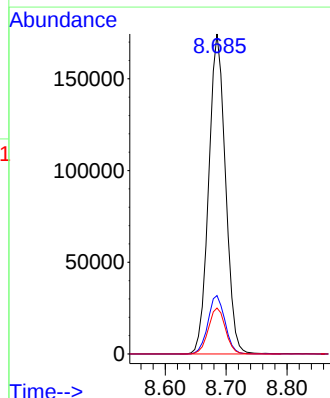
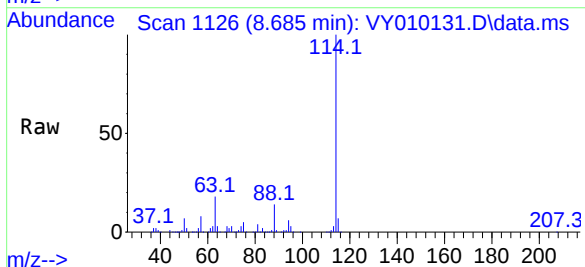
Tgt Ion: 114 Resp: 333866

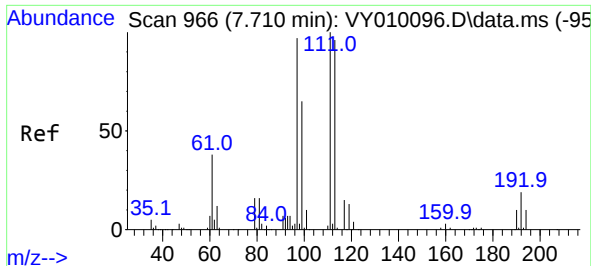
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 14.3 0.0 29.6

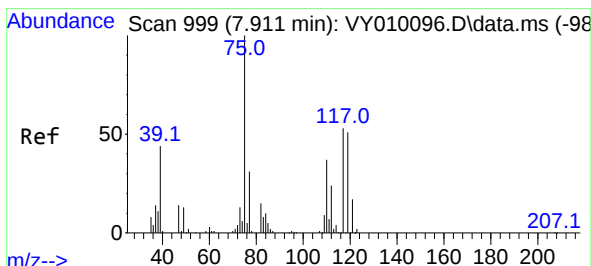
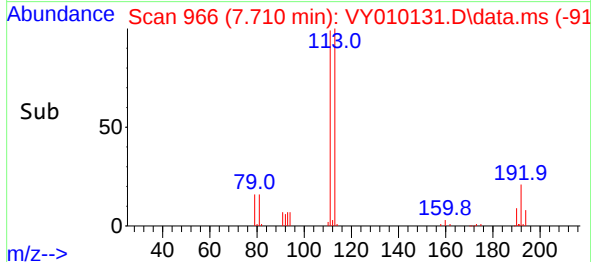
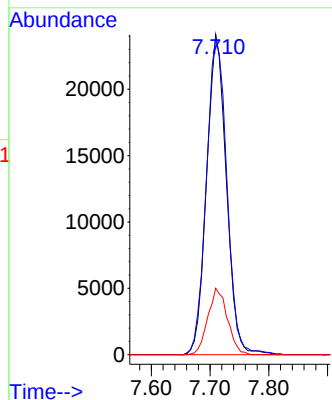
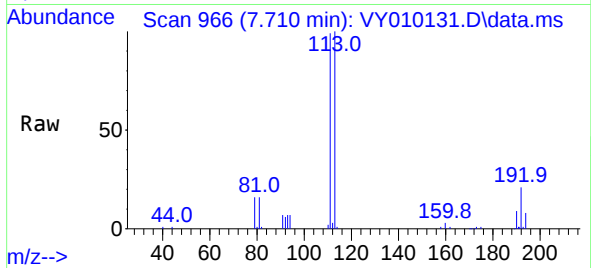




#35
Dibromofluoromethane
Concen: 29.926 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

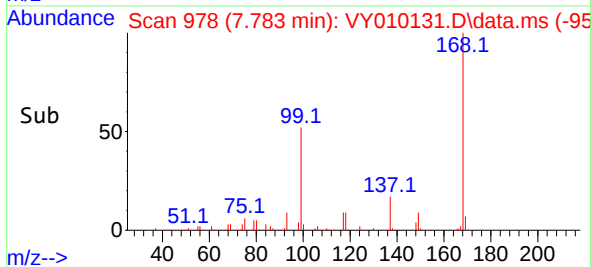
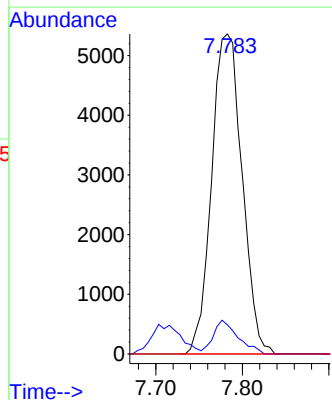
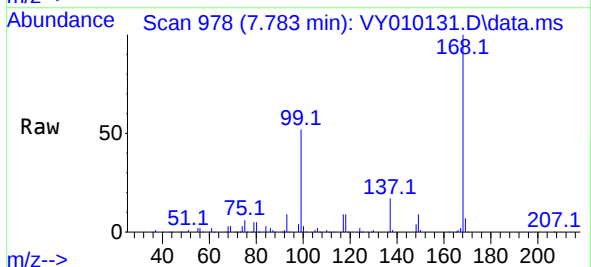
Instrument :
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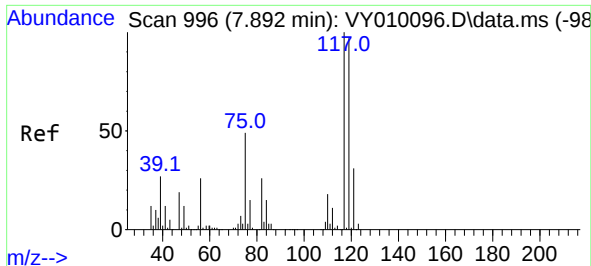
Tgt Ion:113 Resp: 56299
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 20.5 16.3 24.5



#36
1,1-Dichloropropene
Concen: 4.359 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

Tgt Ion: 75 Resp: 13089
Ion Ratio Lower Upper
75 100
110 8.5 18.6 56.0#
77 0.0 24.9 37.3#

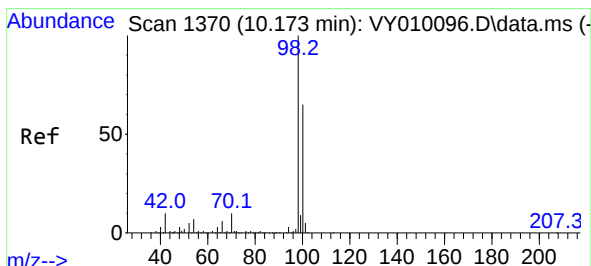
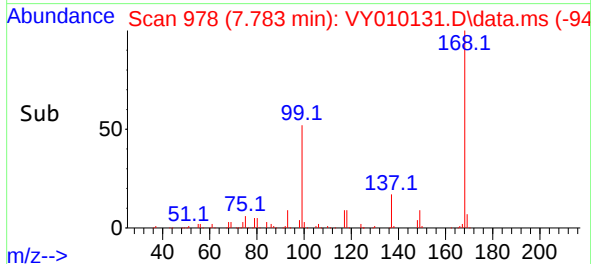
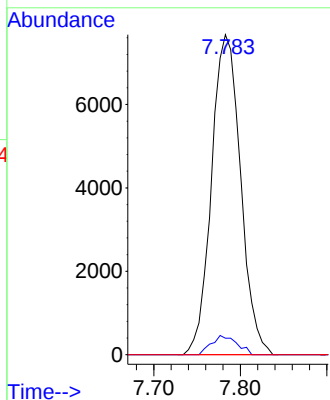
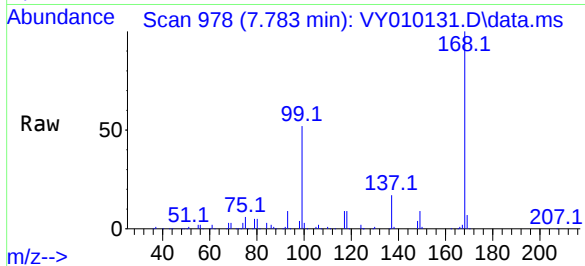




#38
Carbon Tetrachloride
Concen: 5.677 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

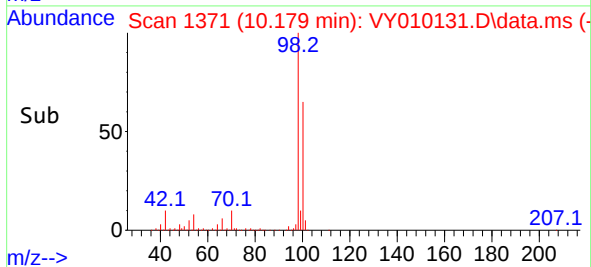
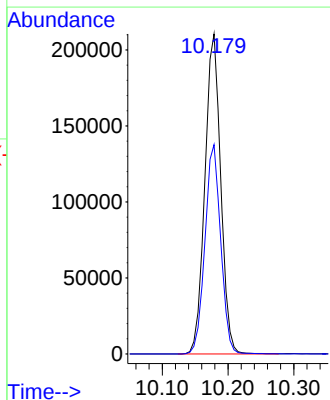
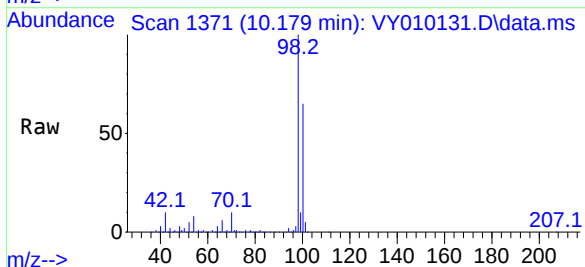
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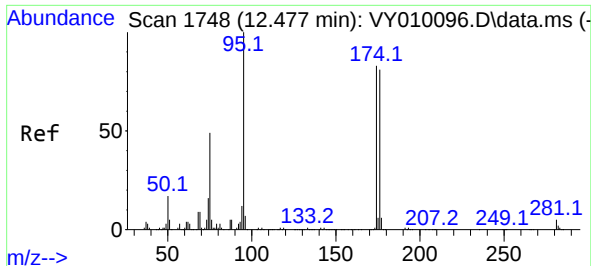
Tgt Ion:117 Resp: 17879
Ion Ratio Lower Upper
117 100
119 5.2 77.1 115.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.092 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

Tgt Ion: 98 Resp: 353115
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

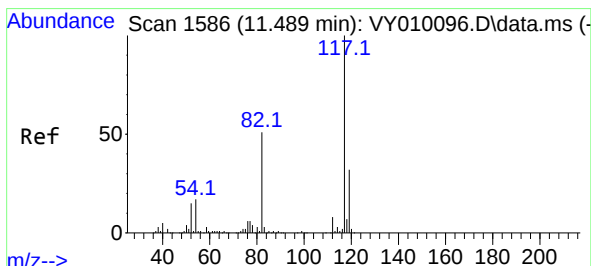
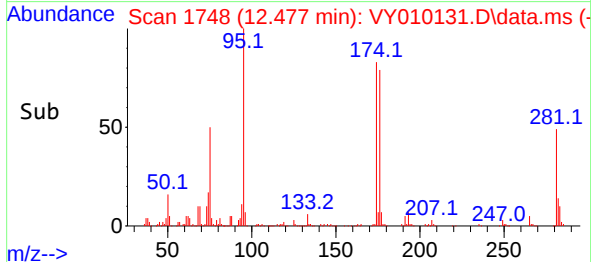
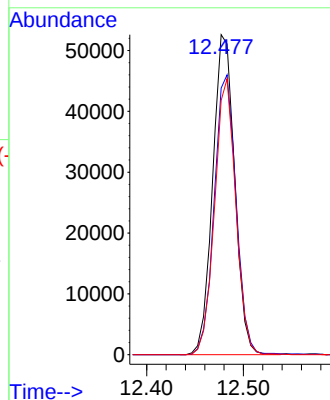
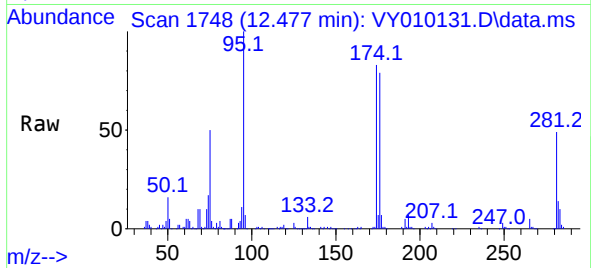




#62
4-Bromofluorobenzene
Concen: 32.911 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

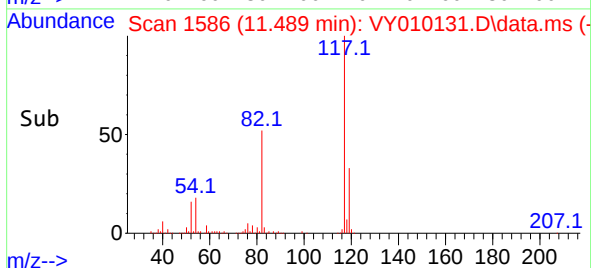
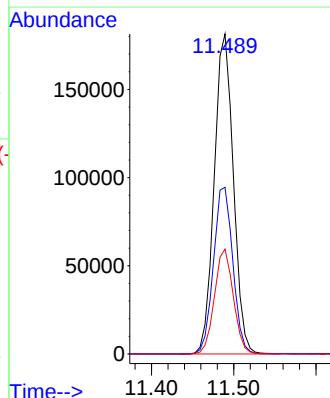
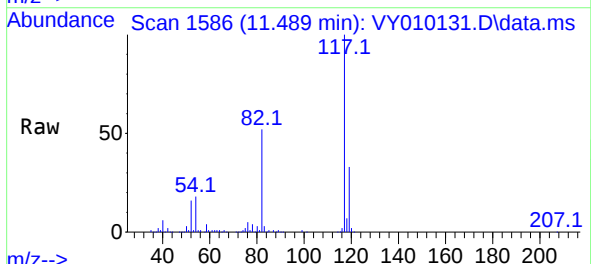
Instrument :
MSVOA_Y
ClientSampleId :
UST-BOT

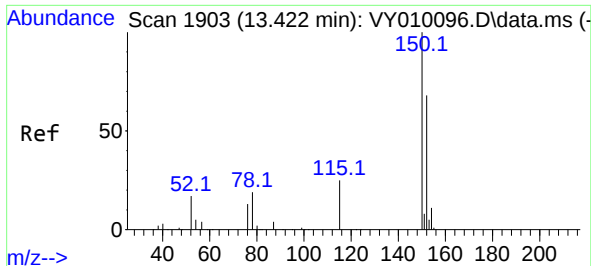
Tgt Ion: 95 Resp: 82891
Ion Ratio Lower Upper
95 100
174 87.4 0.0 173.8
176 83.0 0.0 167.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

Tgt Ion: 117 Resp: 293617
Ion Ratio Lower Upper
117 100
82 52.1 40.6 61.0
119 32.8 25.8 38.8

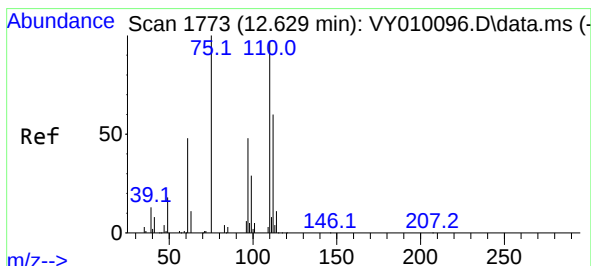
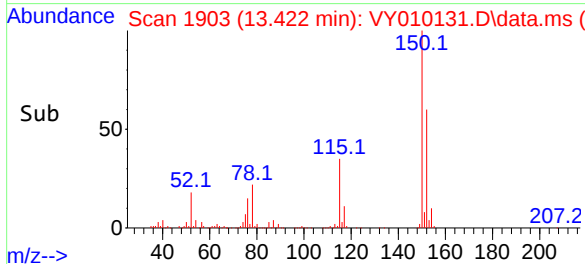
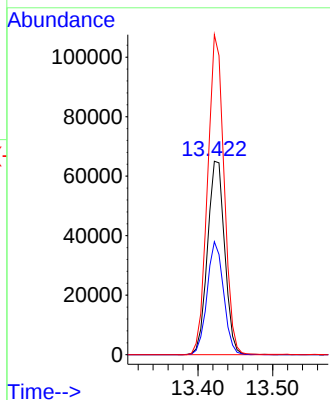
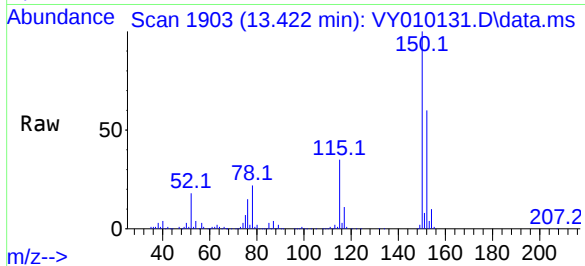




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

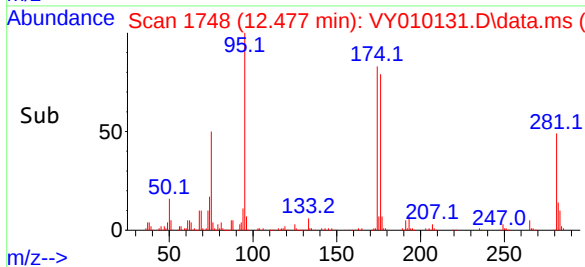
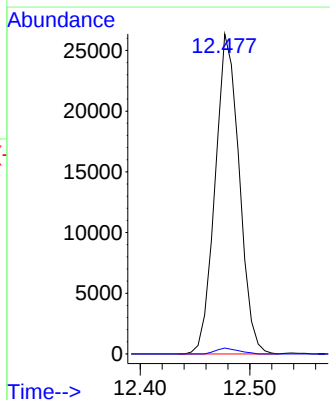
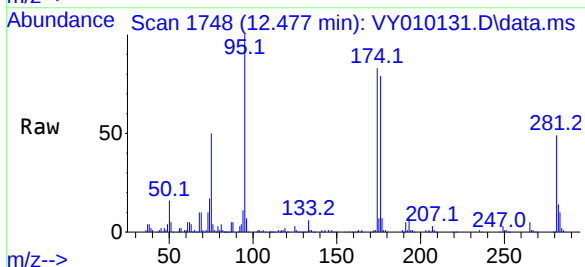
Instrument :
MSVOA_Y
ClientSampleId :
UST-BOT

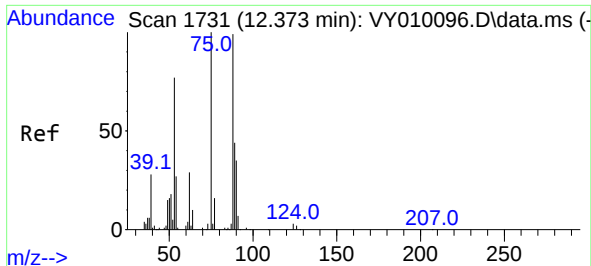
Tgt Ion:152 Resp: 103911
Ion Ratio Lower Upper
152 100
115 56.1 28.1 84.2
150 159.0 0.0 346.2



#76
1,2,3-Trichloropropane
Concen: 41.376 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

Tgt Ion: 75 Resp: 40265
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

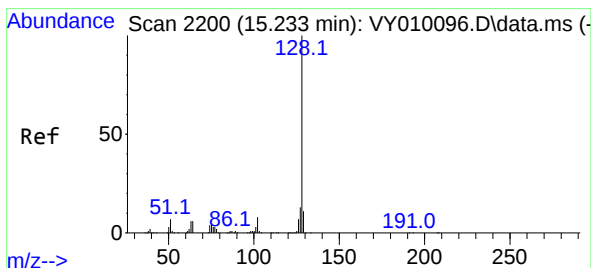
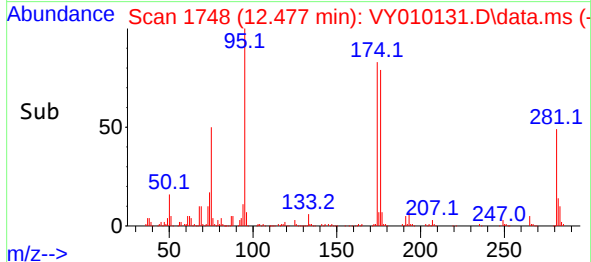
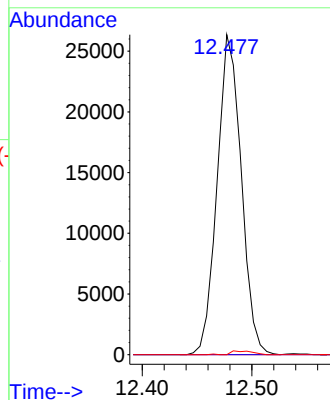
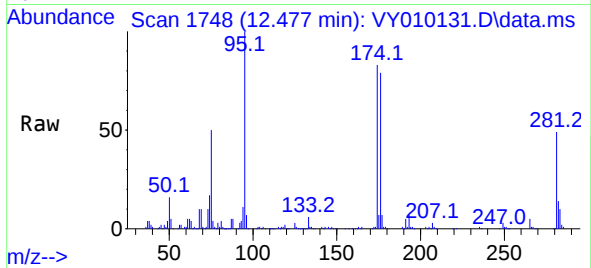




#81
trans-1,4-Dichloro-2-butene
Concen: 83.103 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

Instrument :
MSVOA_Y
ClientSampleId :
UST-BOT

Tgt Ion: 75 Resp: 40265
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 1.1 36.8 55.2#



#95
Naphthalene
Concen: 3.965 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY010131.D
Acq: 20 Aug 2022 03:12

Tgt Ion:128 Resp: 333
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.9 13.3#

