

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010129.D
 Acq On : 20 Aug 2022 02:26
 Operator : KP/MD
 Sample : N4142-03
 Misc : 6.74g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 UST-EAST

Quant Time: Aug 22 02:51:49 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)

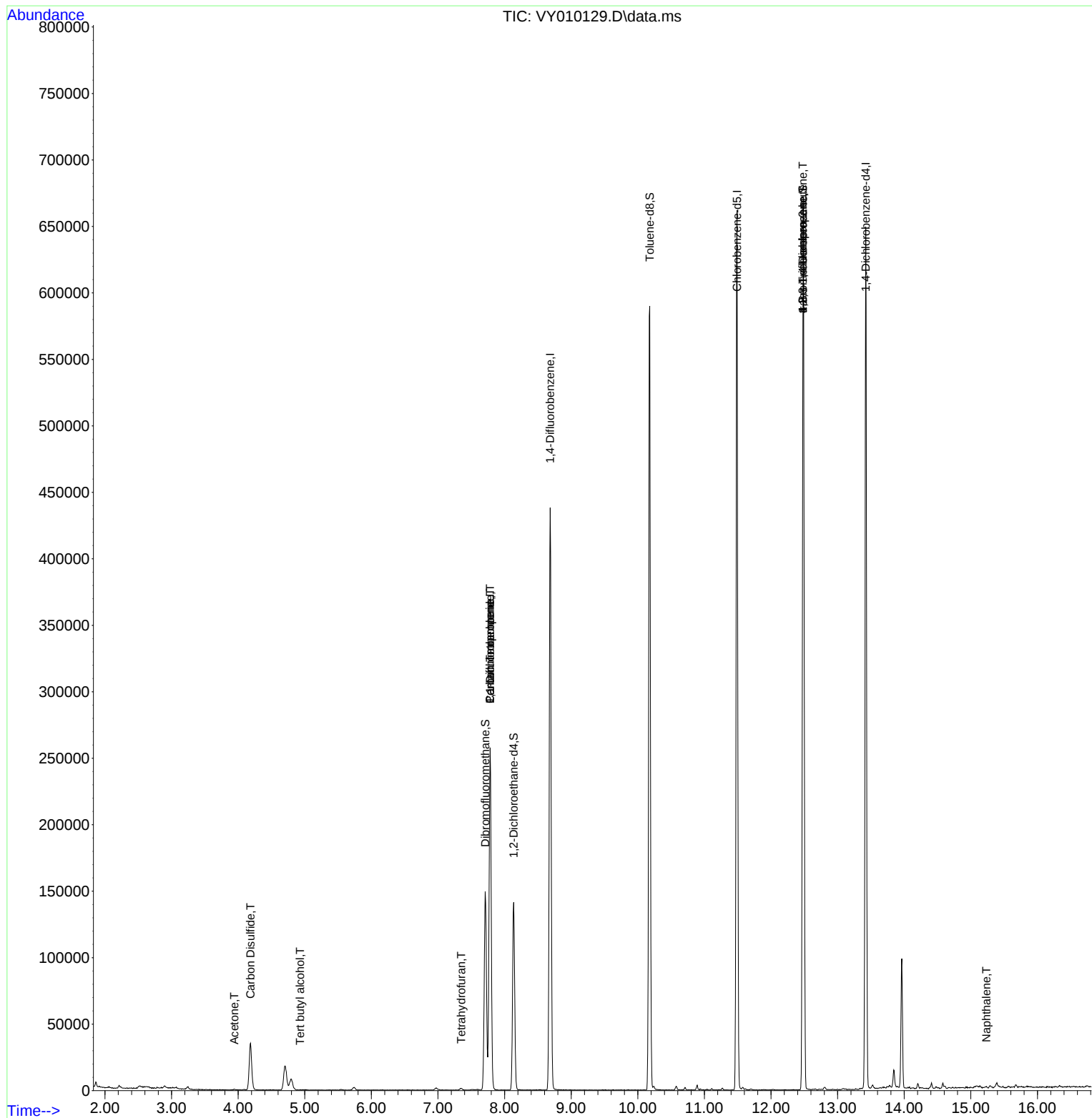
Internal Standards						
1) Pentafluorobenzene	7.783	168	209073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	397422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	380710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	175527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	105635	61.685	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.360%			
35) Dibromofluoromethane	7.710	113	108787	48.579	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.160%			
50) Toluene-d8	10.179	98	407537	48.567	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.140%			
62) 4-Bromofluorobenzene	12.477	95	134133	44.739	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.480%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.930	59	132	11.167	ug/l #	73
16) Acetone	3.942	43	783	1.827	ug/l #	51
17) Carbon Disulfide	4.186	76	73054	11.944	ug/l	97
20) Methylene Chloride	4.704	84	14778	Below Cal		98
29) Tetrahydrofuran	7.350	42	1075	2.438	ug/l	95
36) 1,1-Dichloropropene	7.783	75	14429	4.037	ug/l #	48
38) Carbon Tetrachloride	7.783	117	18935	5.051	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	67061	40.795	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	67061	81.937	ug/l #	19
95) Naphthalene	15.233	128	757	3.992	ug/l #	92

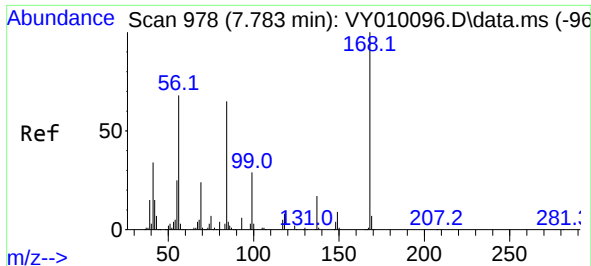
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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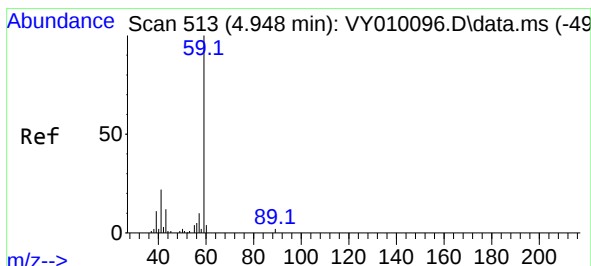
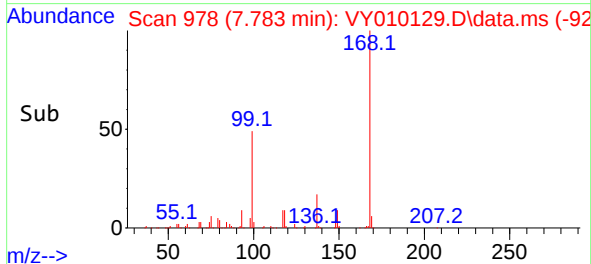
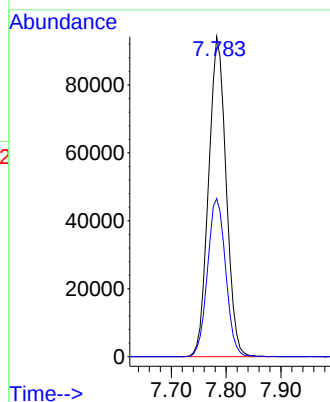
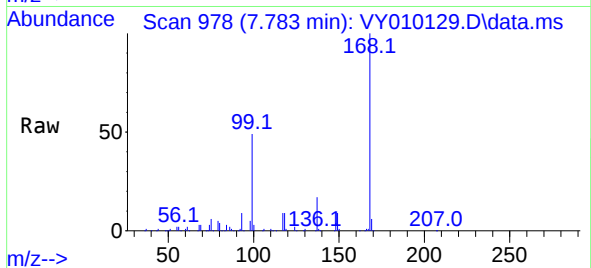




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010129.D
Acq: 20 Aug 2022 02:26

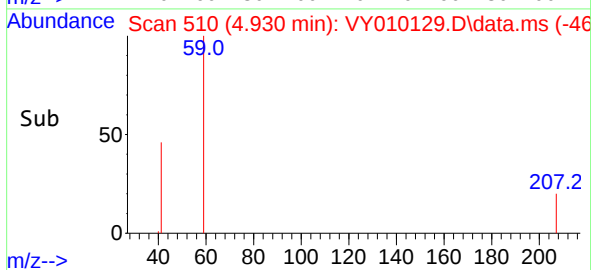
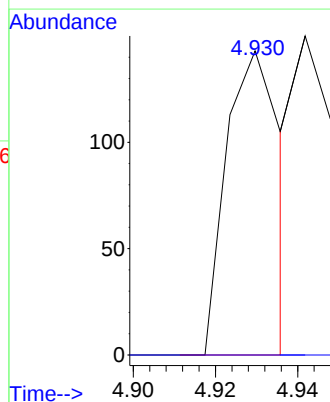
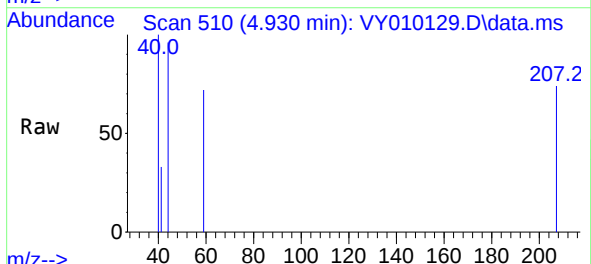
Instrument :
MSVOA_Y
ClientSampleId :
UST-EAST

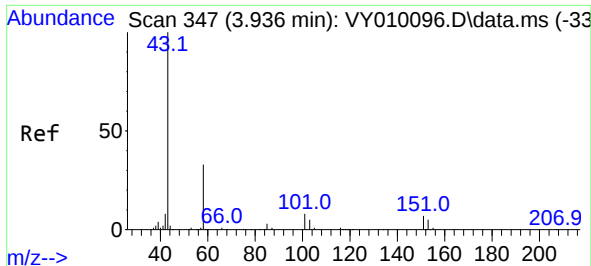
Tgt Ion:168 Resp: 209073
Ion Ratio Lower Upper
168 100
99 49.4 40.7 61.1



#11
Tert butyl alcohol
Concen: 11.167 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY010129.D
Acq: 20 Aug 2022 02:26

Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

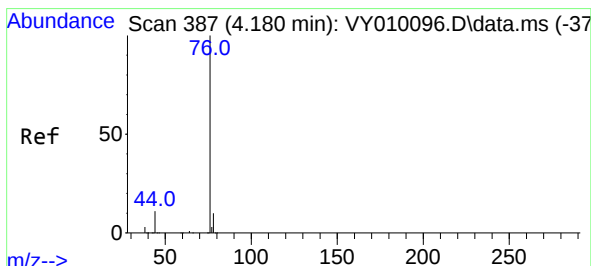
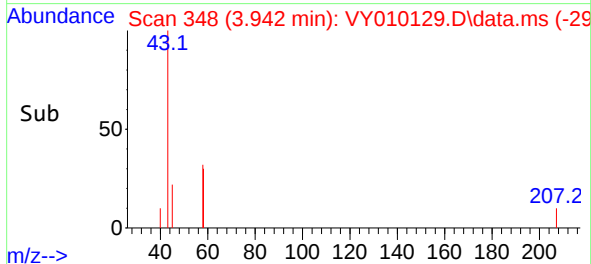
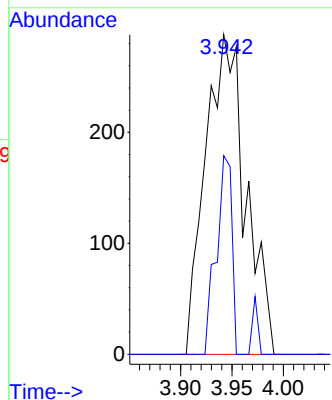
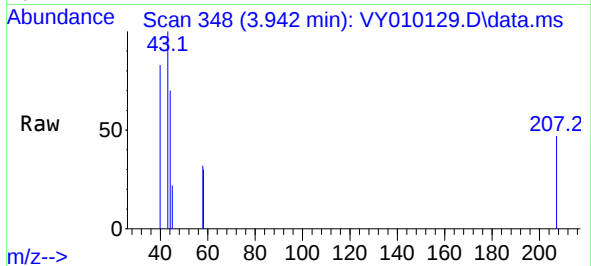




#16
Acetone
Concen: 1.827 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010129.D
Acq: 20 Aug 2022 02:26

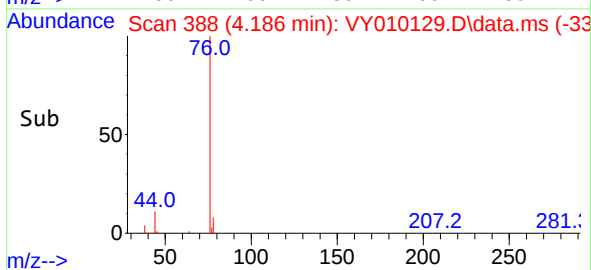
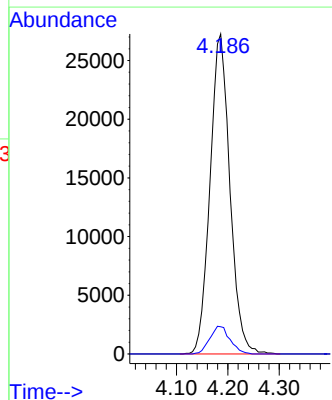
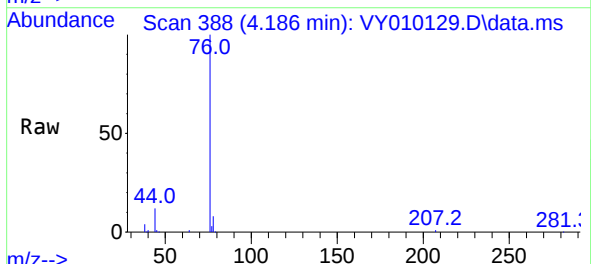
Instrument :
MSVOA_Y
ClientSampleId :
UST-EAST

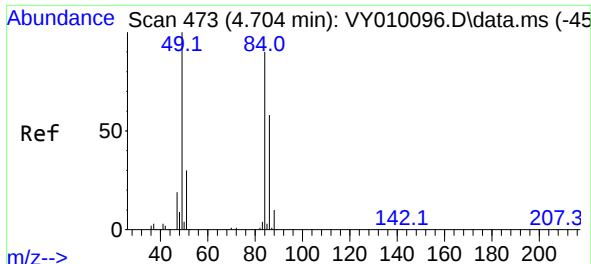
Tgt Ion: 43 Resp: 783
Ion Ratio Lower Upper
43 100
58 62.2 27.4 41.0#



#17
Carbon Disulfide
Concen: 11.944 ug/l
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010129.D
Acq: 20 Aug 2022 02:26

Tgt Ion: 76 Resp: 73054
Ion Ratio Lower Upper
76 100
78 8.5 7.7 11.5





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY010129.D

Acq: 20 Aug 2022 02:26

Instrument :

MSVOA_Y

ClientSampleId :

UST-EAST

Tgt Ion: 84 Resp: 14778

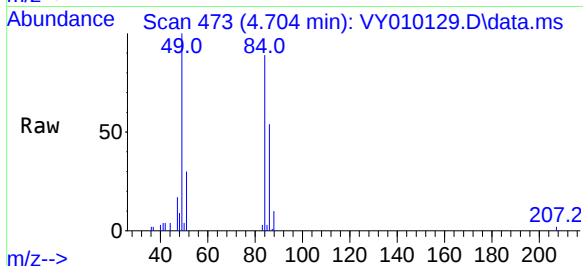
Ion Ratio Lower Upper

84 100

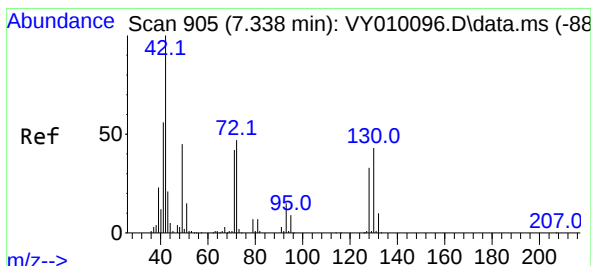
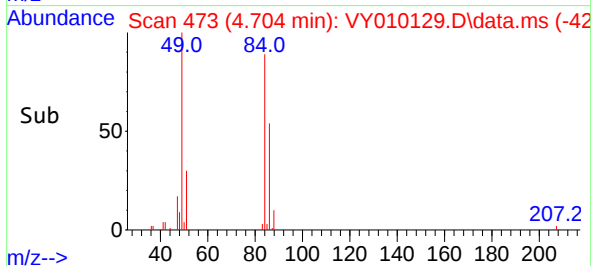
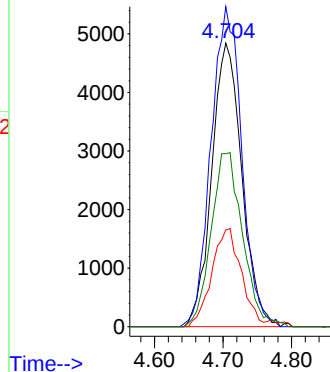
49 112.8 89.0 133.4

51 34.2 27.0 40.6

86 61.0 51.8 77.6



Abundance



#29

Tetrahydrofuran

Concen: 2.438 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.012 min

Lab File: VY010129.D

Acq: 20 Aug 2022 02:26

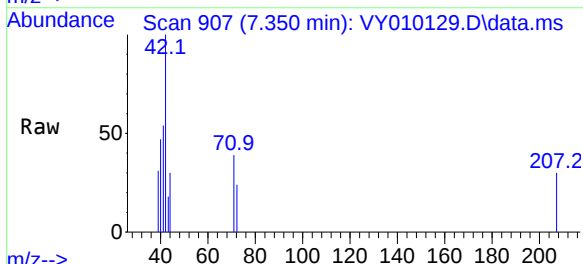
Tgt Ion: 42 Resp: 1075

Ion Ratio Lower Upper

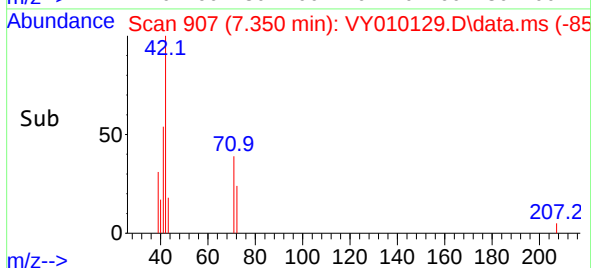
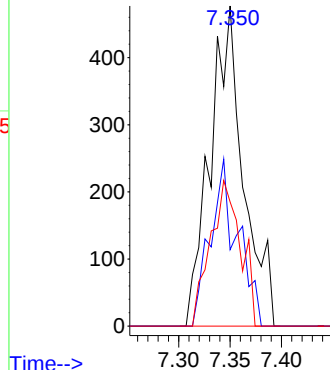
42 100

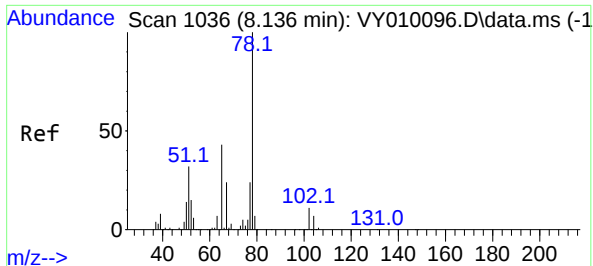
72 42.9 37.4 56.0

71 41.1 34.9 52.3



Abundance





#33

1,2-Dichloroethane-d4

Concen: 61.685 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010129.D

Acq: 20 Aug 2022 02:26

Instrument :

MSVOA_Y

ClientSampleId :

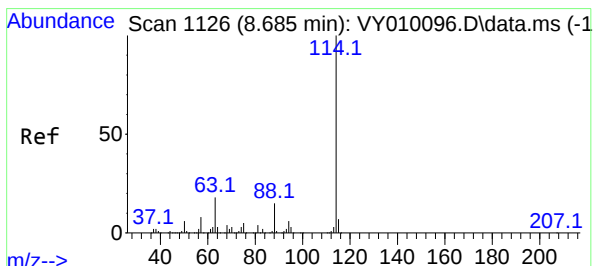
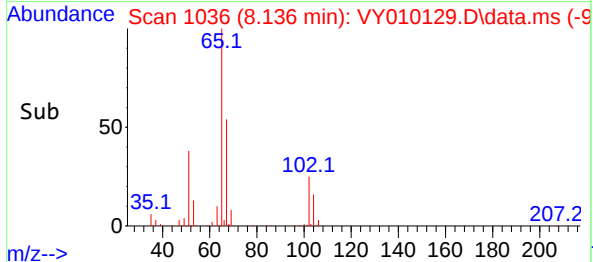
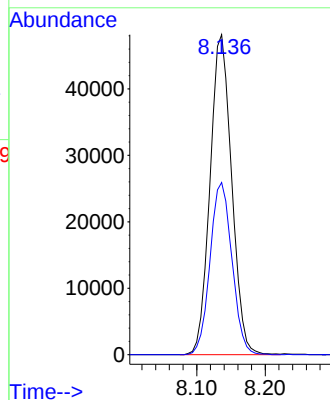
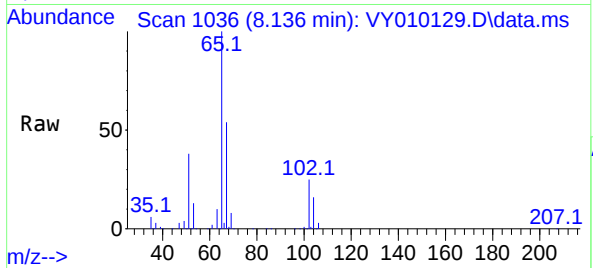
UST-EAST

Tgt Ion: 65 Resp: 105635

Ion Ratio Lower Upper

65 100

67 54.5 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: VY010129.D

Acq: 20 Aug 2022 02:26

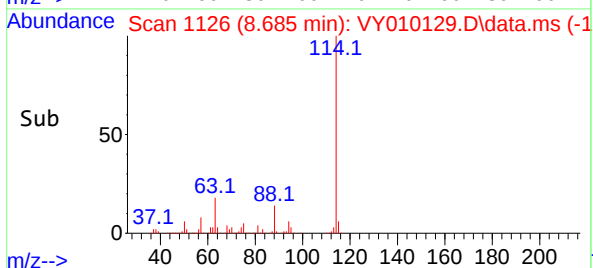
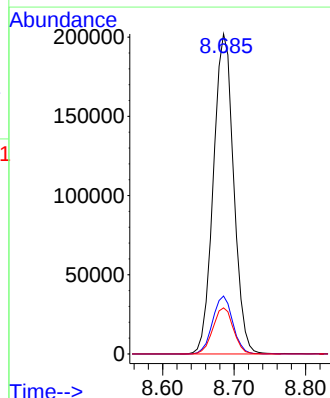
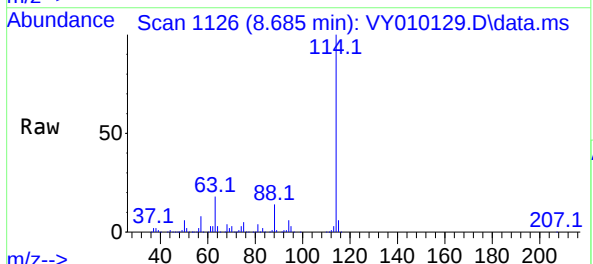
Tgt Ion: 114 Resp: 397422

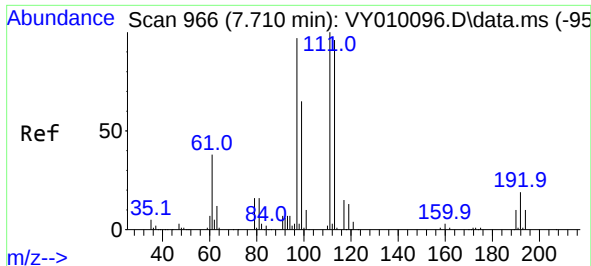
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

88 14.4 0.0 29.6

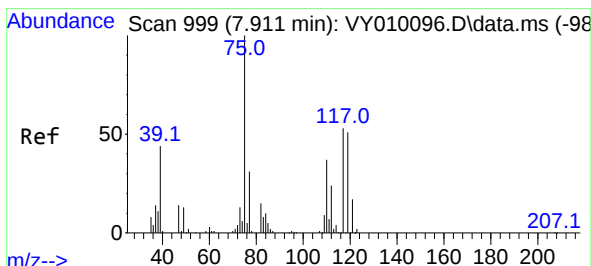
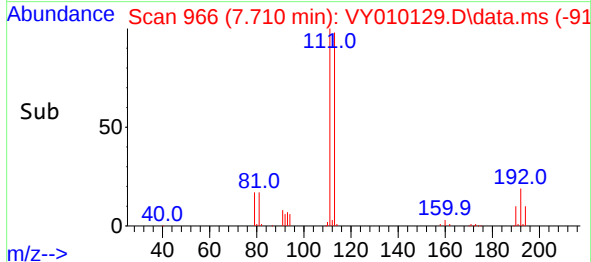
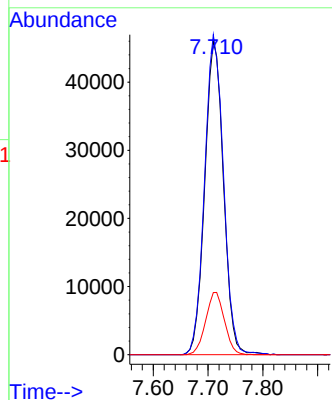
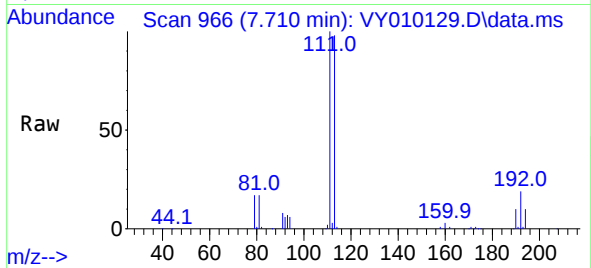




#35
Dibromofluoromethane
Concen: 48.579 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010129.D
Acq: 20 Aug 2022 02:26

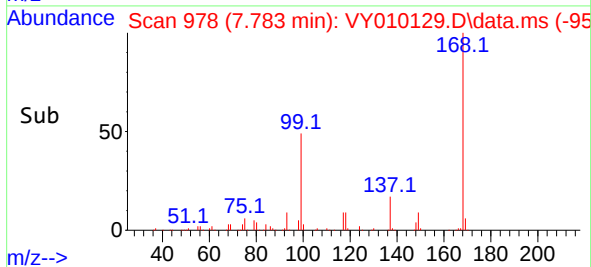
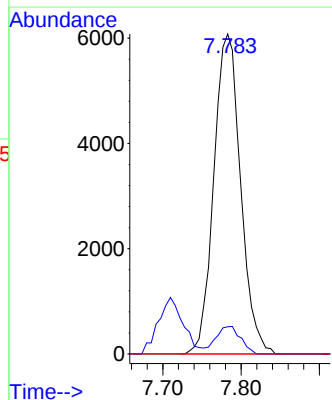
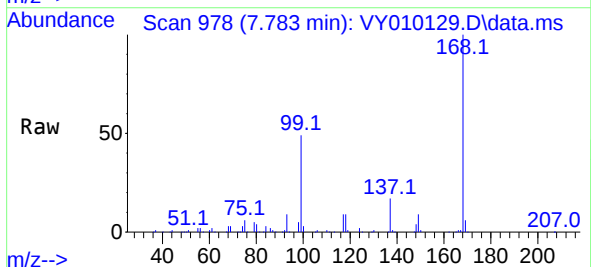
Instrument :
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ClientSampleId :
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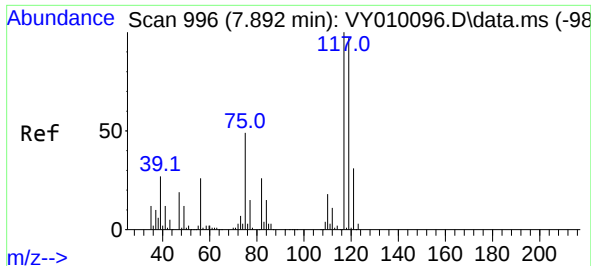
Tgt Ion:113 Resp: 108787
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 20.0 16.3 24.5



#36
1,1-Dichloropropene
Concen: 4.037 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010129.D
Acq: 20 Aug 2022 02:26

Tgt Ion: 75 Resp: 14429
Ion Ratio Lower Upper
75 100
110 8.0 18.6 56.0#
77 0.0 24.9 37.3#

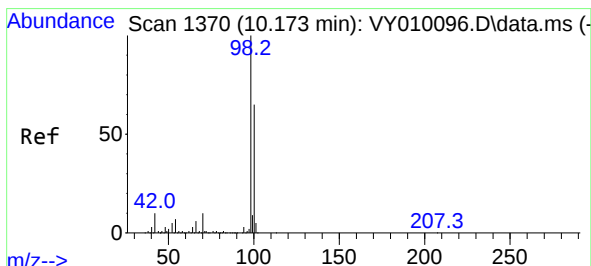
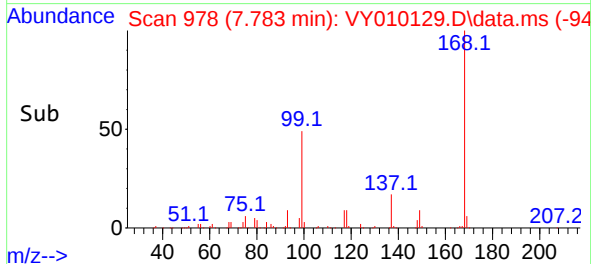
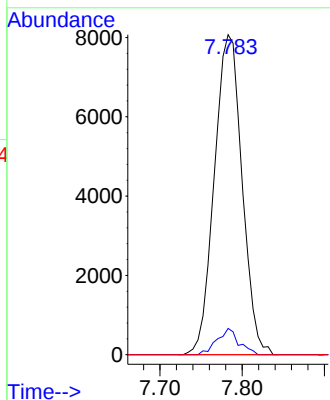
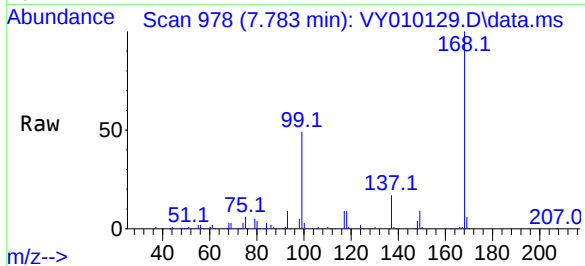




#38
Carbon Tetrachloride
Concen: 5.051 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010129.D
Acq: 20 Aug 2022 02:26

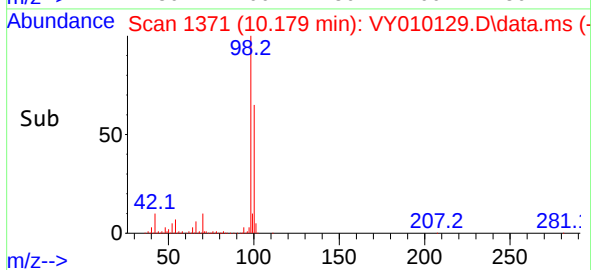
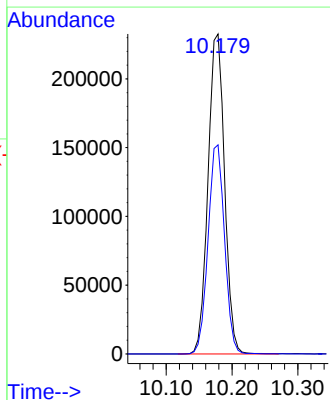
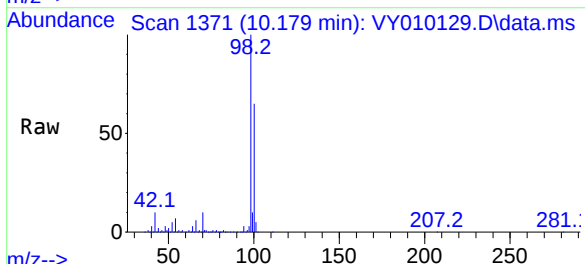
Instrument :
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UST-EAST

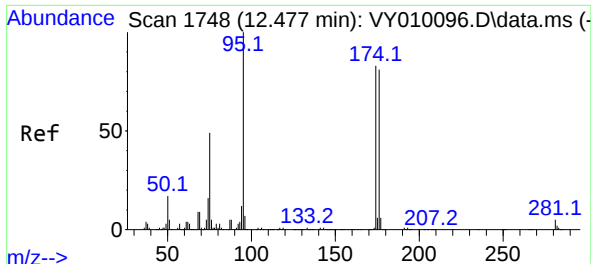
Tgt Ion:117 Resp: 18935
Ion Ratio Lower Upper
117 100
119 8.2 77.1 115.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.567 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010129.D
Acq: 20 Aug 2022 02:26

Tgt Ion: 98 Resp: 407537
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

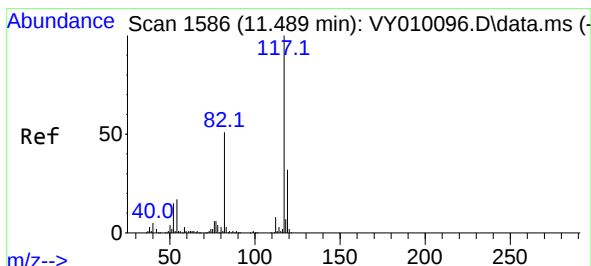
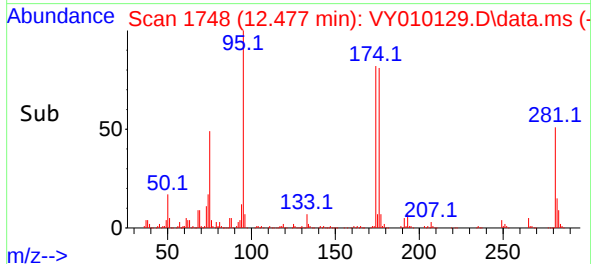
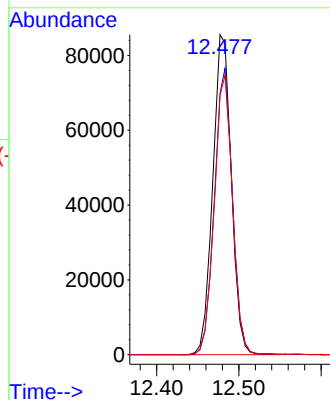
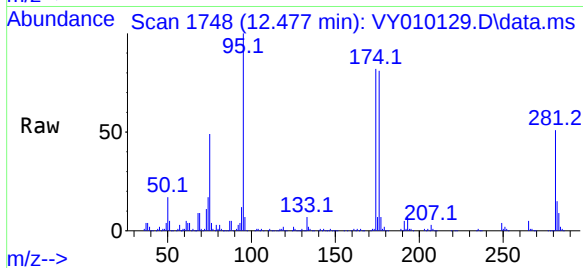




#62
4-Bromofluorobenzene
Concen: 44.739 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010129.D
Acq: 20 Aug 2022 02:26

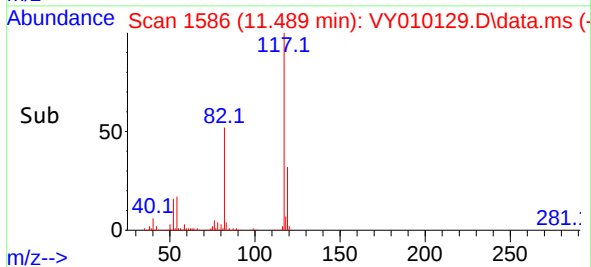
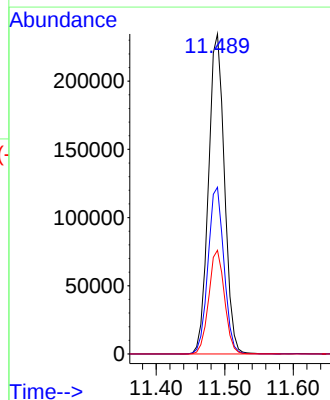
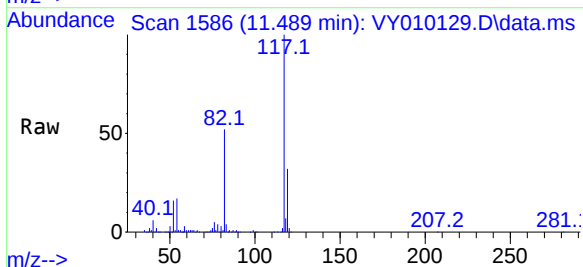
Instrument :
MSVOA_Y
ClientSampleId :
UST-EAST

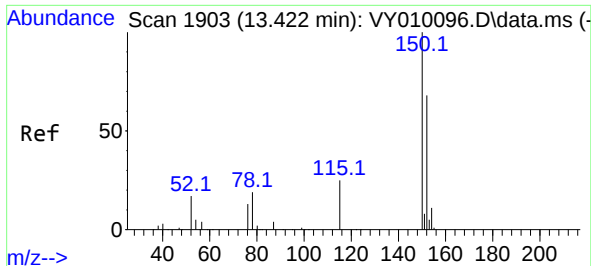
Tgt Ion: 95 Resp: 134133
Ion Ratio Lower Upper
95 100
174 86.8 0.0 173.8
176 85.5 0.0 167.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010129.D
Acq: 20 Aug 2022 02:26

Tgt Ion: 117 Resp: 380710
Ion Ratio Lower Upper
117 100
82 52.1 40.6 61.0
119 32.4 25.8 38.8

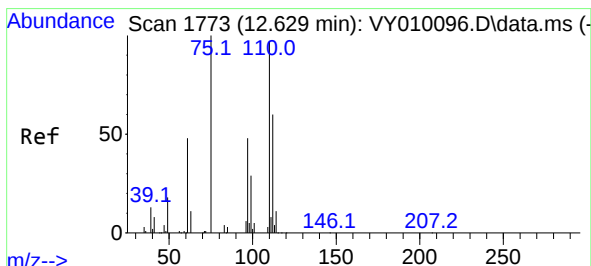
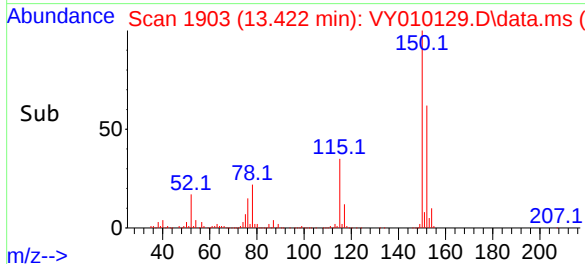
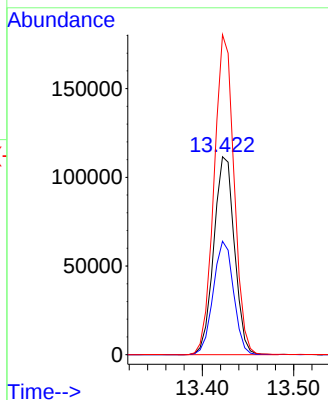
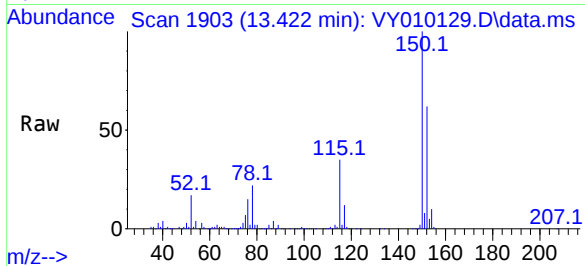




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010129.D
Acq: 20 Aug 2022 02:26

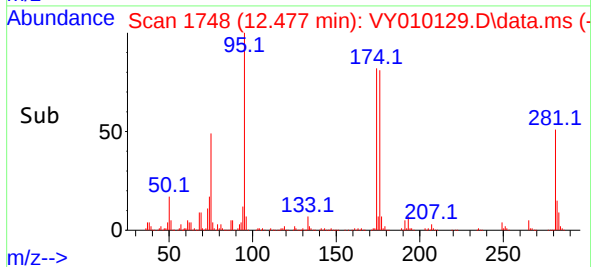
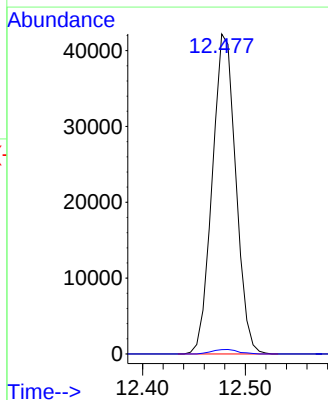
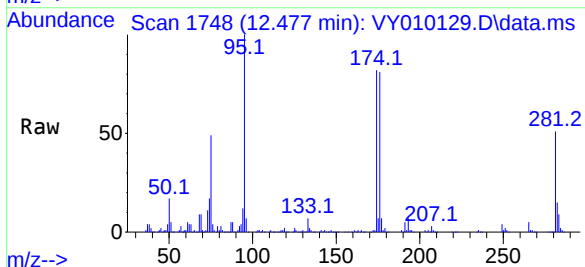
Instrument :
MSVOA_Y
ClientSampleId :
UST-EAST

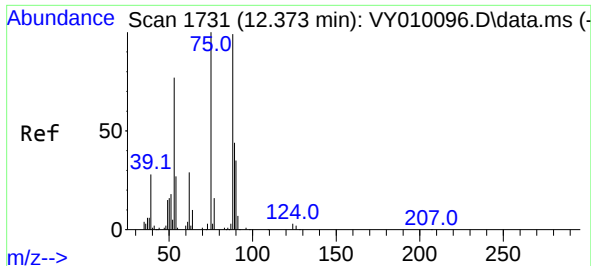
Tgt Ion:152 Resp: 175527
Ion Ratio Lower Upper
152 100
115 56.5 28.1 84.2
150 156.5 0.0 346.2



#76
1,2,3-Trichloropropane
Concen: 40.795 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010129.D
Acq: 20 Aug 2022 02:26

Tgt Ion: 75 Resp: 67061
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

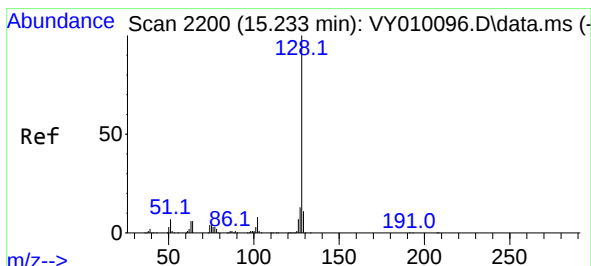
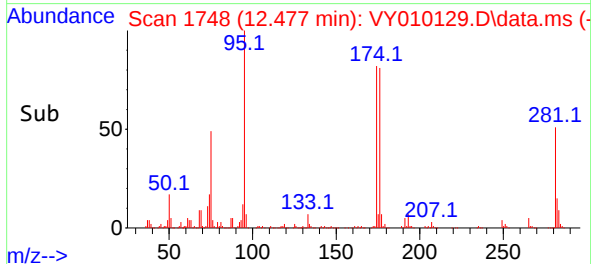
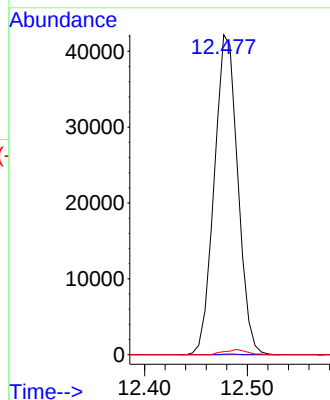
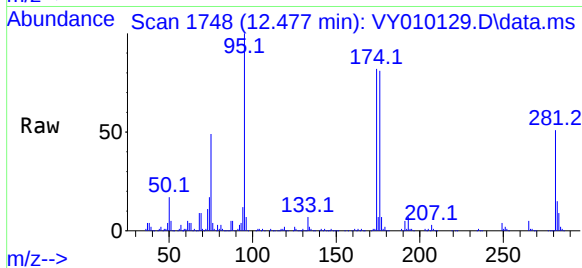




#81
trans-1,4-Dichloro-2-butene
Concen: 81.937 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010129.D
Acq: 20 Aug 2022 02:26

Instrument :
MSVOA_Y
ClientSampleId :
UST-EAST

Tgt Ion: 75 Resp: 67061
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 1.5 36.8 55.2#



#95
Naphthalene
Concen: 3.992 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010129.D
Acq: 20 Aug 2022 02:26

Tgt Ion: 128 Resp: 757
Ion Ratio Lower Upper
128 100
127 9.5 10.2 15.2#
129 8.2 8.9 13.3#

