

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010127.D
 Acq On : 20 Aug 2022 01:39
 Operator : KP/MD
 Sample : N4142-01
 Misc : 5.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 UST-NORTH

Quant Time: Aug 22 02:51:11 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)

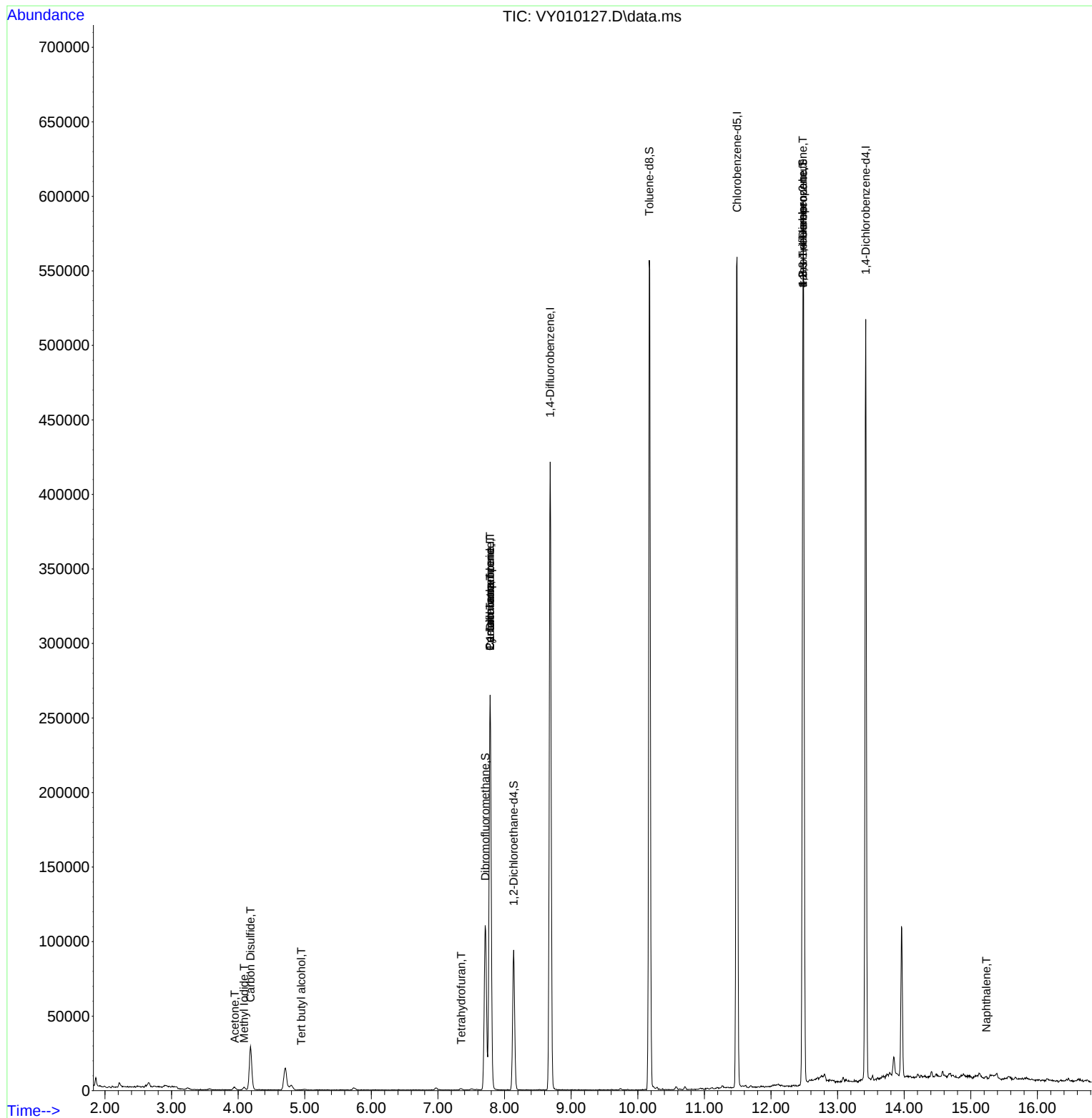
Internal Standards						
1) Pentafluorobenzene	7.783	168	216115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	378079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	328755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	68204	38.529	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.060%		
35) Dibromofluoromethane	7.710	113	82450	38.702	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	77.400%		
50) Toluene-d8	10.173	98	381554	47.797	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.600%		
62) 4-Bromofluorobenzene	12.477	95	109044	38.231	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	76.460%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	2835	1.105	ug/l #	95
11) Tert butyl alcohol	4.948	59	308	12.063	ug/l #	73
16) Acetone	3.948	43	3269	7.378	ug/l	97
17) Carbon Disulfide	4.186	76	59700	9.442	ug/l	99
20) Methylene Chloride	4.704	84	11461	Below Cal		96
29) Tetrahydrofuran	7.350	42	739	1.621	ug/l	94
31) Cyclohexane	7.783	56	3643	1.004	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15018	4.416	ug/l #	49
38) Carbon Tetrachloride	7.783	117	20237	5.674	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	53004	41.322	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53004	82.996	ug/l #	19
95) Naphthalene	15.233	128	1117	4.086	ug/l #	67

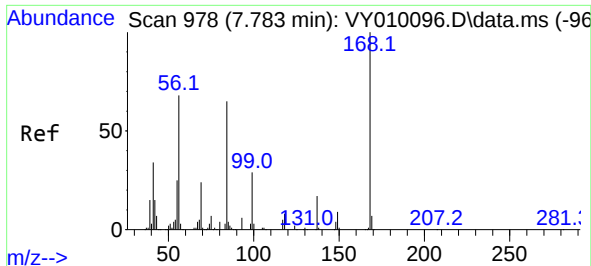
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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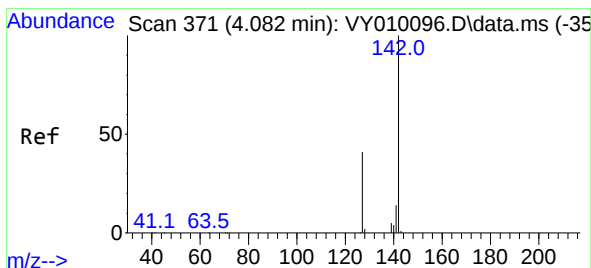
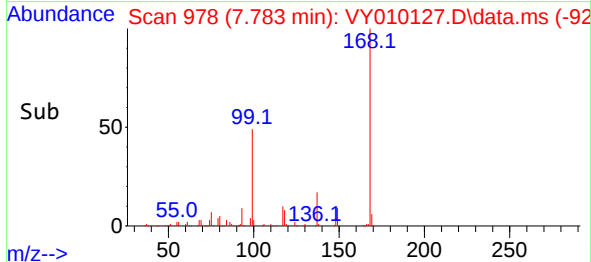
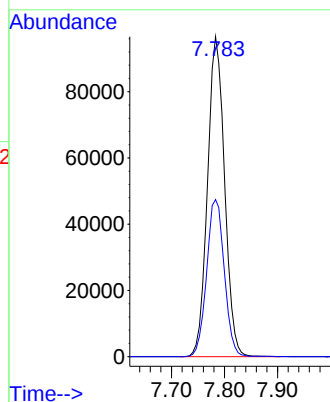
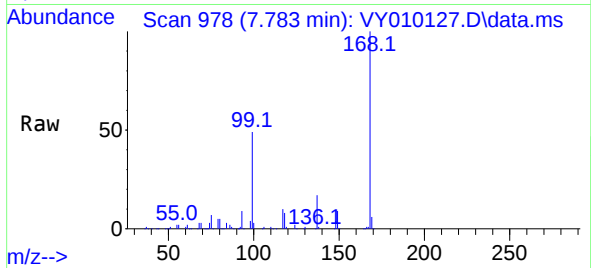




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010127.D
Acq: 20 Aug 2022 01:39

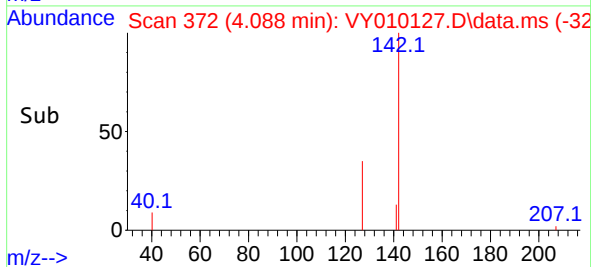
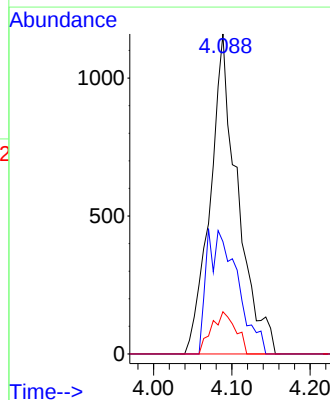
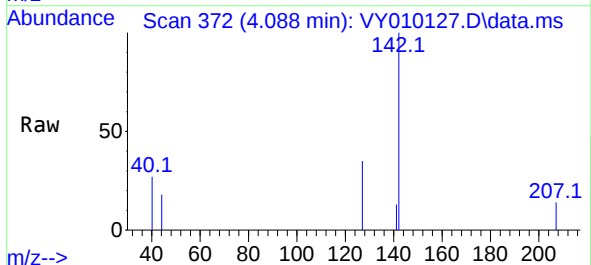
Instrument :
MSVOA_Y
ClientSampleId :
UST-NORTH

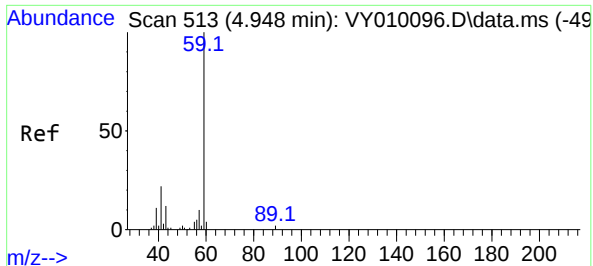
Tgt Ion:168 Resp: 216115
Ion Ratio Lower Upper
168 100
99 49.1 40.7 61.1



#10
Methyl Iodide
Concen: 1.105 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY010127.D
Acq: 20 Aug 2022 01:39

Tgt Ion:142 Resp: 2835
Ion Ratio Lower Upper
142 100
127 43.2 32.2 48.4
141 11.5 11.7 17.5#





#11

Tert butyl alcohol

Concen: 12.063 ug/l

RT: 4.948 min Scan# 513

Delta R.T. 0.000 min

Lab File: VY010127.D

Acq: 20 Aug 2022 01:39

Instrument :

MSVOA_Y

ClientSampleId :

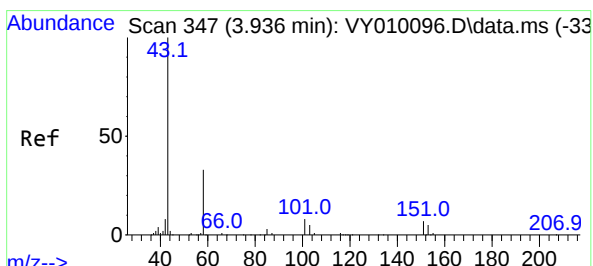
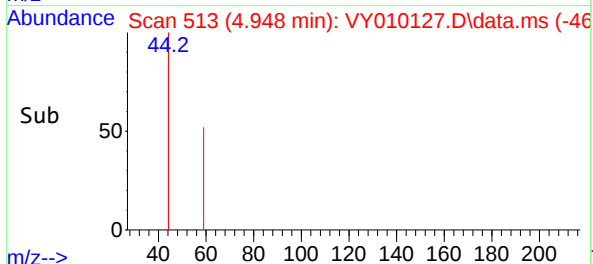
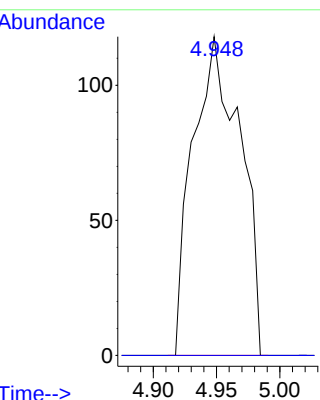
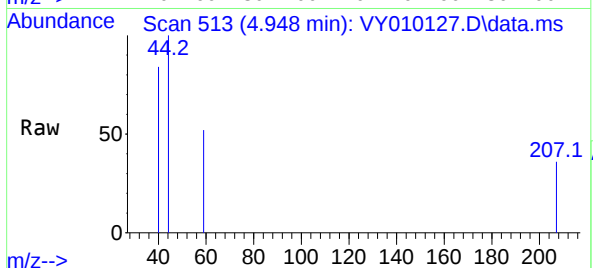
UST-NORTH

Tgt Ion: 59 Resp: 308

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 7.378 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.012 min

Lab File: VY010127.D

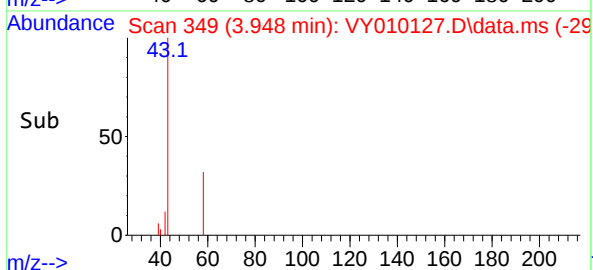
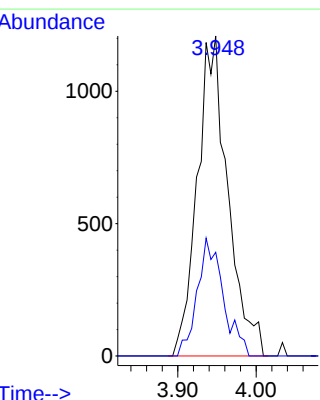
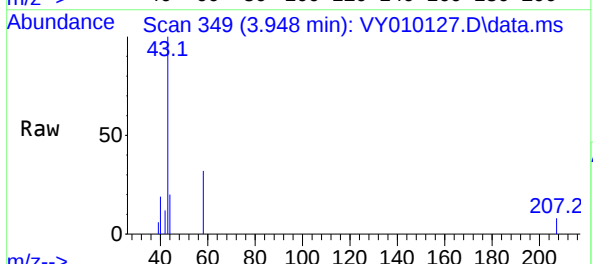
Acq: 20 Aug 2022 01:39

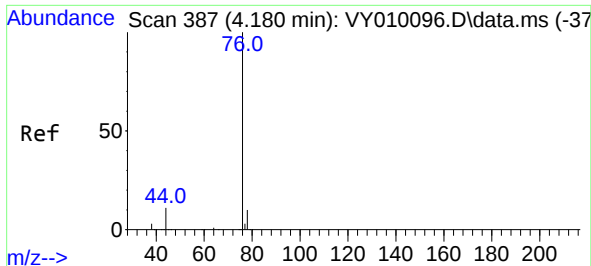
Tgt Ion: 43 Resp: 3269

Ion Ratio Lower Upper

43 100

58 32.4 27.4 41.0

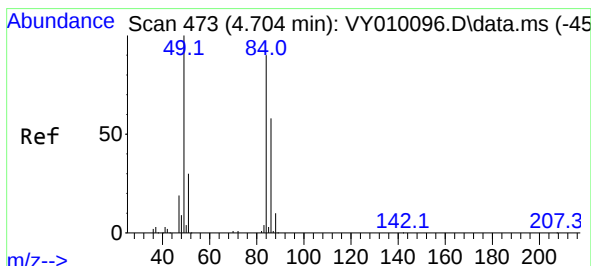
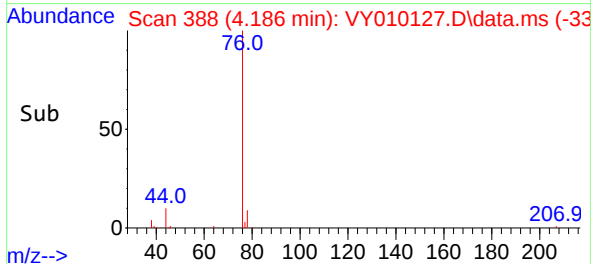
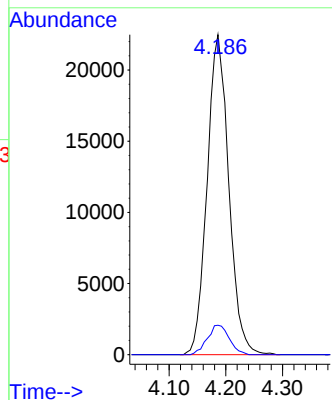
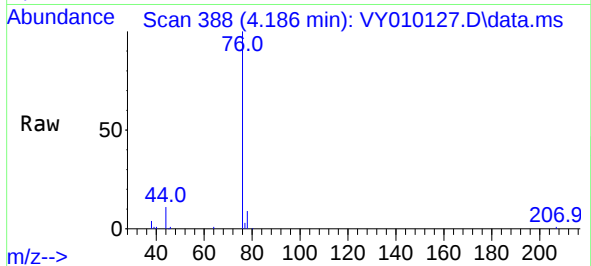




#17
Carbon Disulfide
Concen: 9.442 ug/l
RT: 4.186 min Scan# 387
Delta R.T. 0.006 min
Lab File: VY010127.D
Acq: 20 Aug 2022 01:39

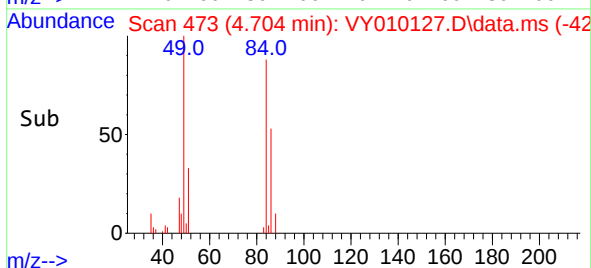
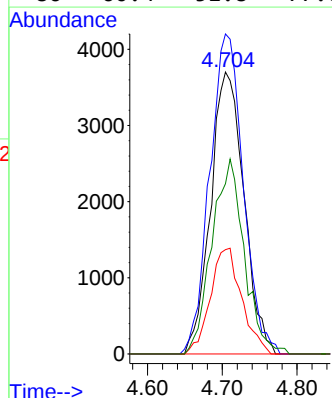
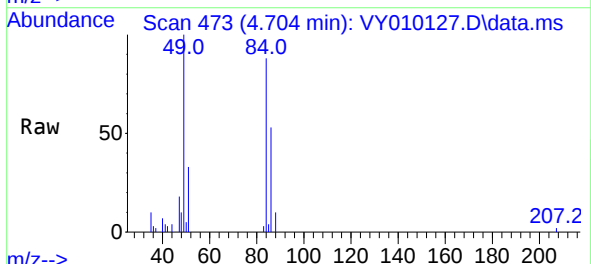
Instrument :
MSVOA_Y
ClientSampleId :
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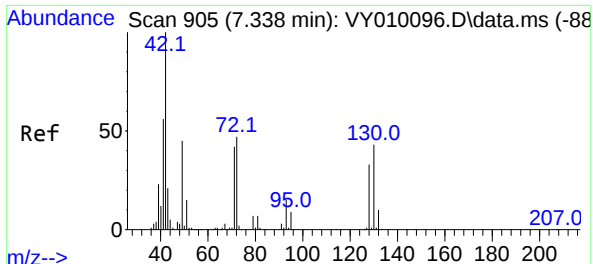
Tgt Ion: 76 Resp: 59700
Ion Ratio Lower Upper
76 100
78 9.2 7.7 11.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY010127.D
Acq: 20 Aug 2022 01:39

Tgt Ion: 84 Resp: 11461
Ion Ratio Lower Upper
84 100
49 113.5 89.0 133.4
51 37.0 27.0 40.6
86 60.4 51.8 77.6





#29

Tetrahydrofuran

Concen: 1.621 ug/l

RT: 7.350 min Scan# 905

Delta R.T. 0.012 min

Lab File: VY010127.D

Acq: 20 Aug 2022 01:39

Instrument :

MSVOA_Y

ClientSampleId :

UST-NORTH

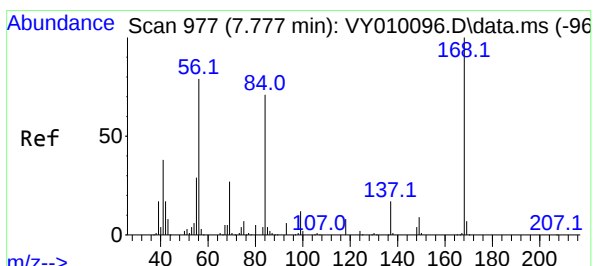
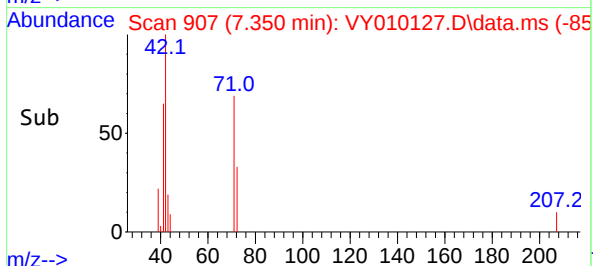
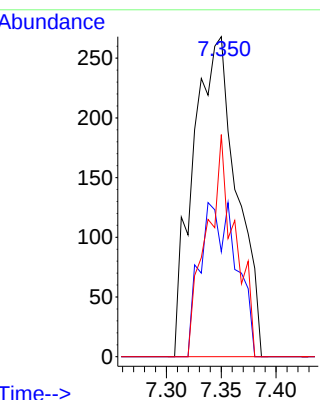
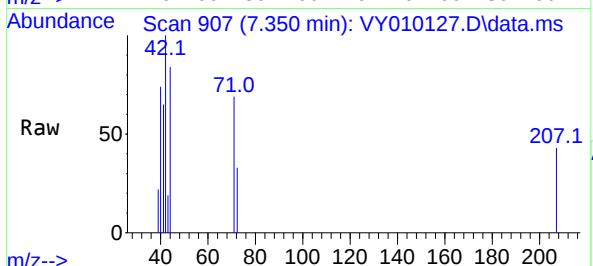
Tgt Ion: 42 Resp: 739

Ion Ratio Lower Upper

42 100

72 40.5 37.4 56.0

71 45.2 34.9 52.3



#31

Cyclohexane

Concen: 1.004 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010127.D

Acq: 20 Aug 2022 01:39

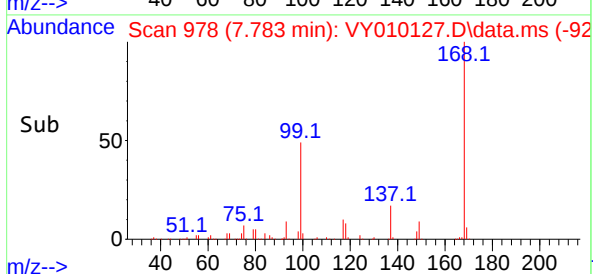
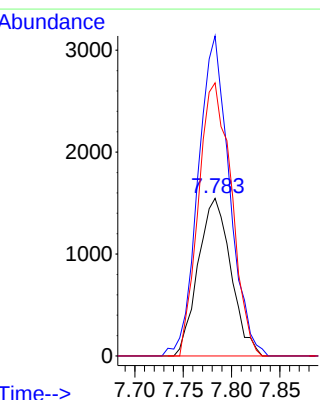
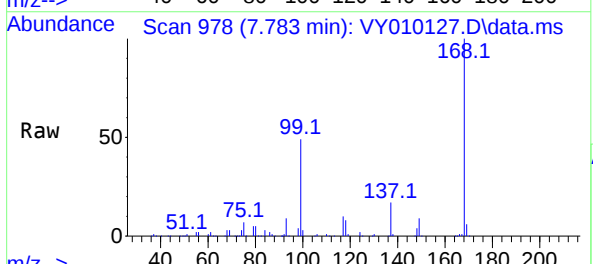
Tgt Ion: 56 Resp: 3643

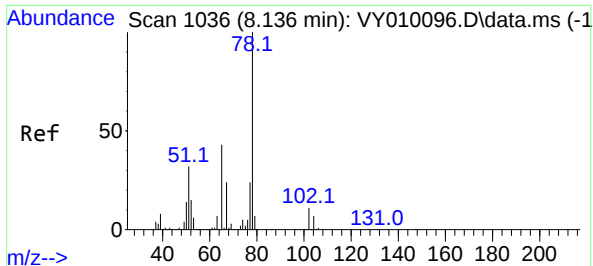
Ion Ratio Lower Upper

56 100

69 203.0 27.3 40.9#

84 173.2 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 38.529 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY010127.D

Acq: 20 Aug 2022 01:39

Instrument :

MSVOA_Y

ClientSampleId :

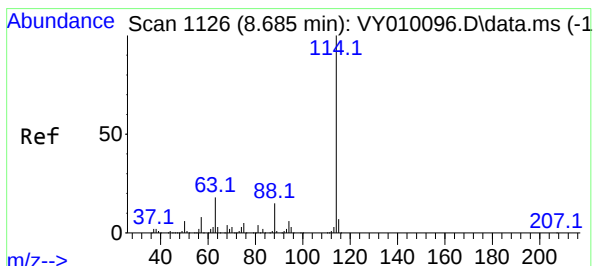
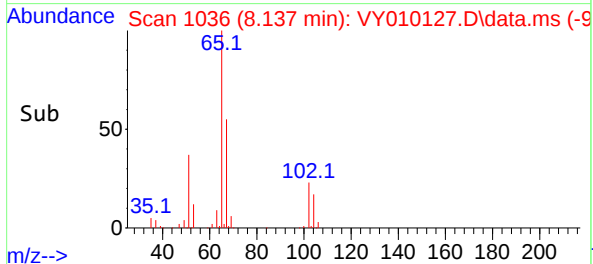
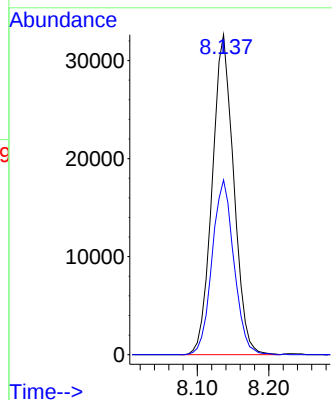
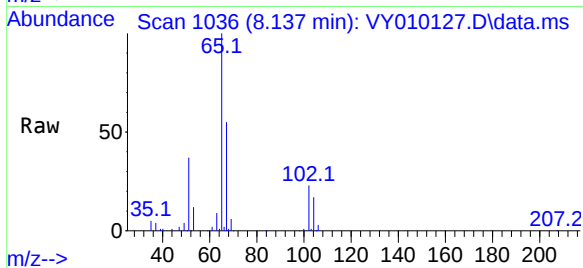
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Tgt Ion: 65 Resp: 68204

Ion Ratio Lower Upper

65 100

67 55.4 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: VY010127.D

Acq: 20 Aug 2022 01:39

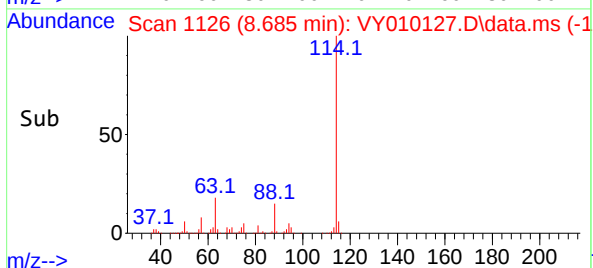
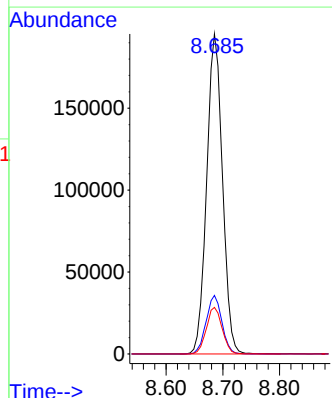
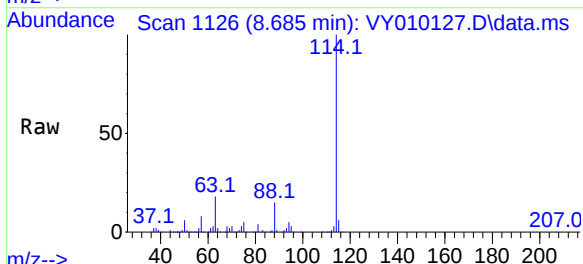
Tgt Ion: 114 Resp: 378079

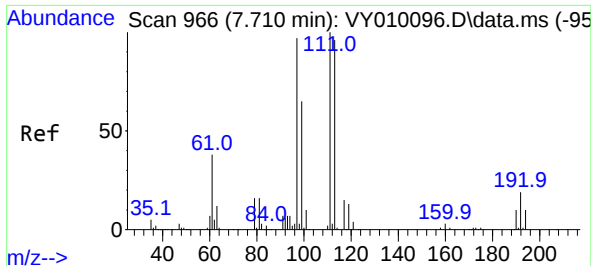
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

88 14.5 0.0 29.6

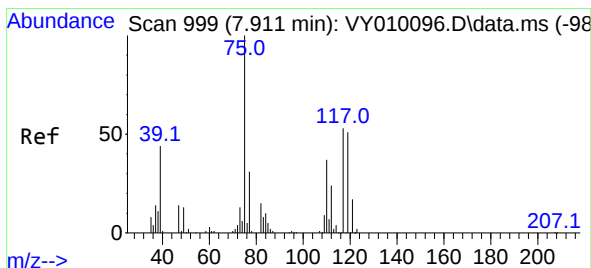
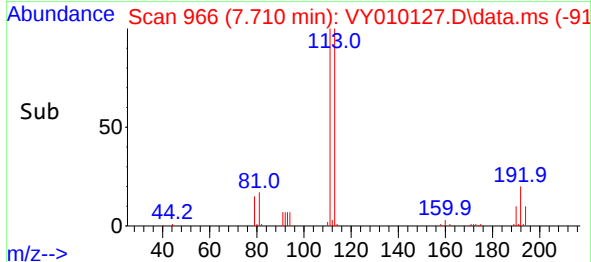
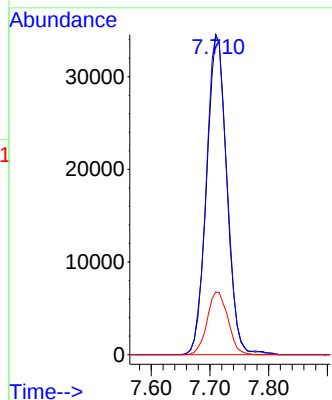
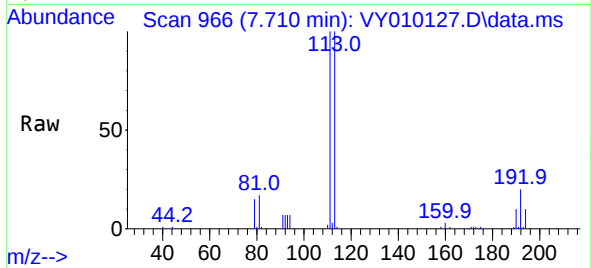




#35
Dibromofluoromethane
Concen: 38.702 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010127.D
Acq: 20 Aug 2022 01:39

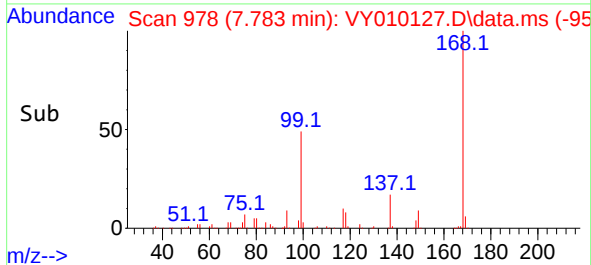
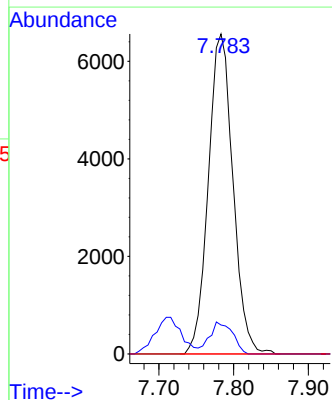
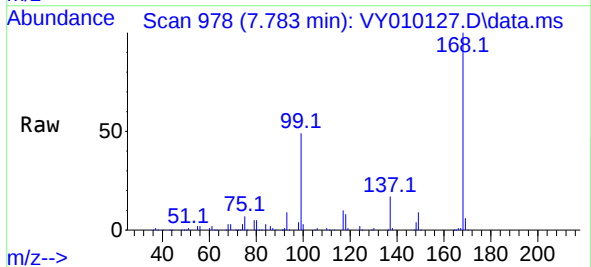
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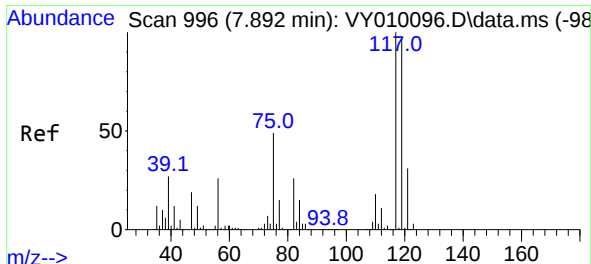
Tgt Ion:113 Resp: 82450
Ion Ratio Lower Upper
113 100
111 101.7 82.8 124.2
192 20.1 16.3 24.5



#36
1,1-Dichloropropene
Concen: 4.416 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010127.D
Acq: 20 Aug 2022 01:39

Tgt Ion: 75 Resp: 15018
Ion Ratio Lower Upper
75 100
110 9.3 18.6 56.0#
77 0.0 24.9 37.3#

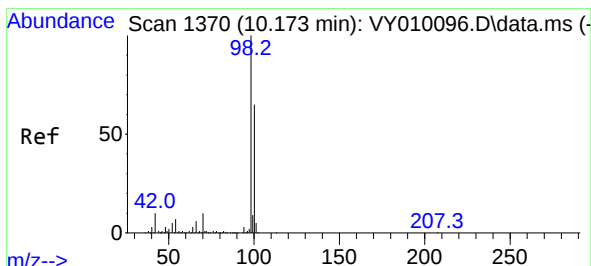
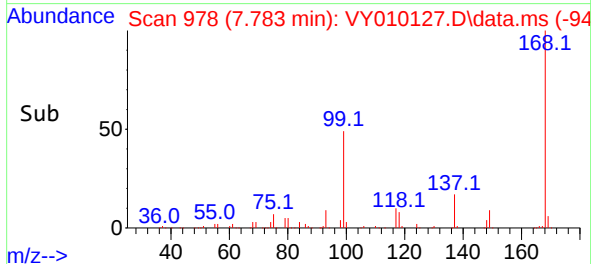
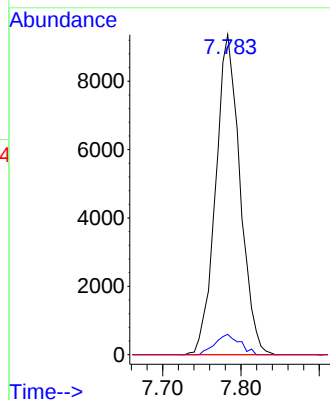
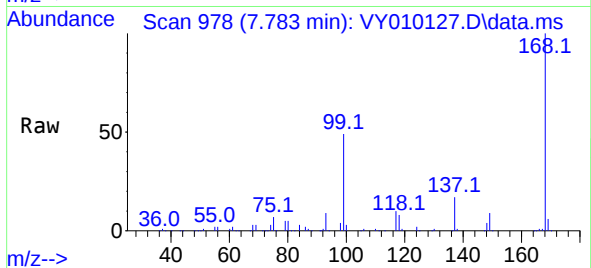




#38
Carbon Tetrachloride
Concen: 5.674 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010127.D
Acq: 20 Aug 2022 01:39

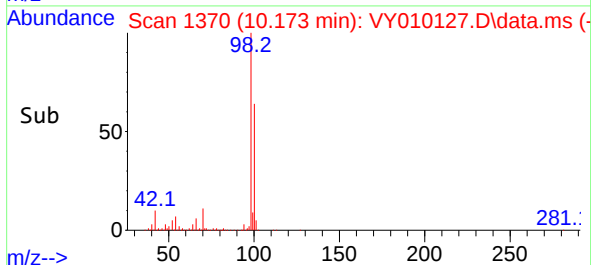
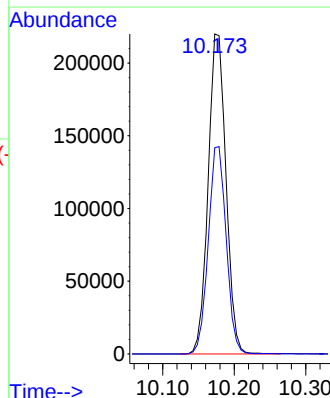
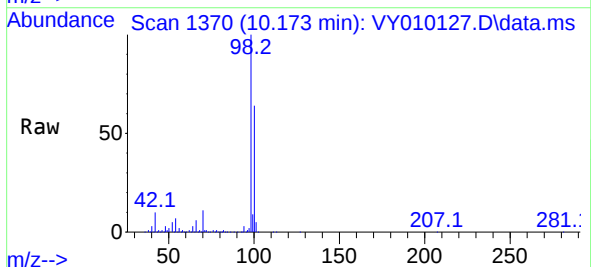
Instrument :
MSVOA_Y
ClientSampleId :
UST-NORTH

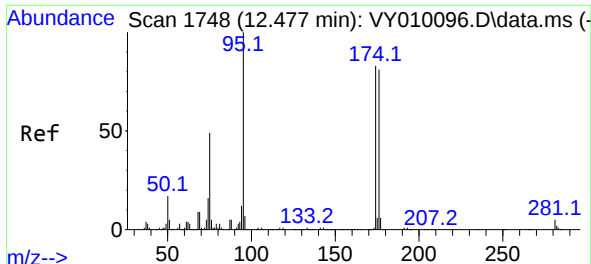
Tgt Ion:117 Resp: 20237
Ion Ratio Lower Upper
117 100
119 6.3 77.1 115.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.797 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY010127.D
Acq: 20 Aug 2022 01:39

Tgt Ion: 98 Resp: 381554
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

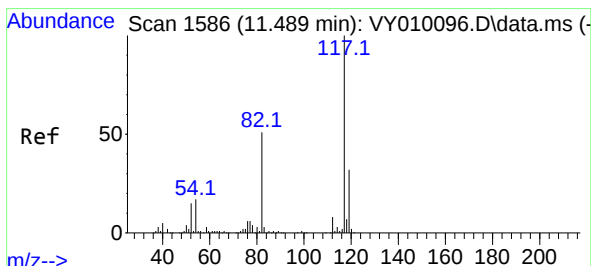
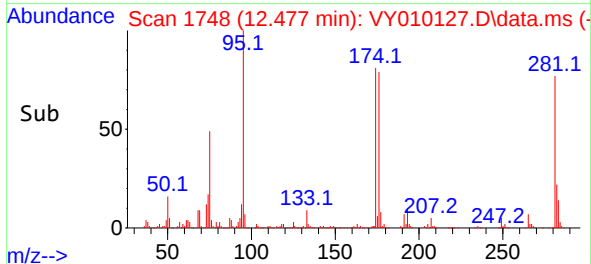
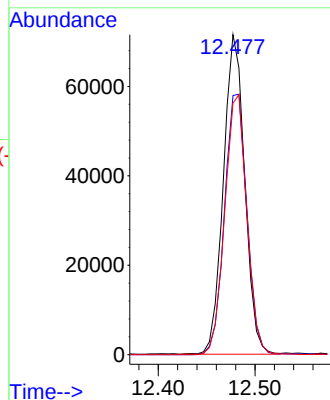
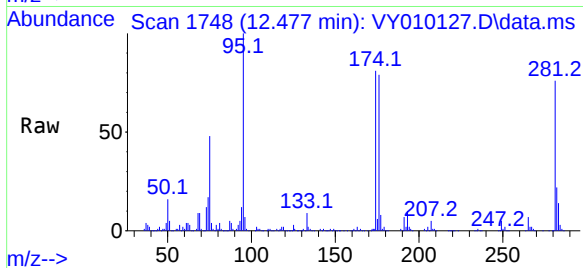




#62
4-Bromofluorobenzene
Concen: 38.231 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010127.D
Acq: 20 Aug 2022 01:39

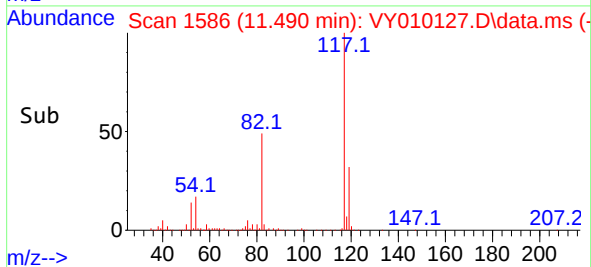
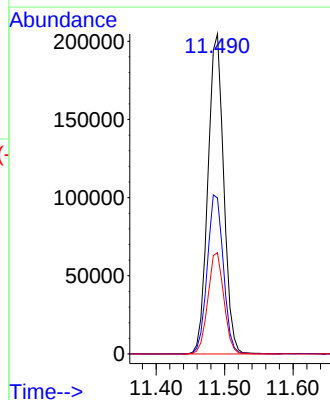
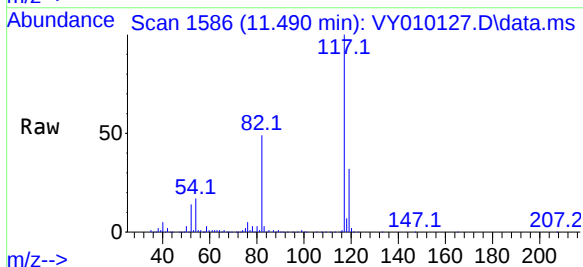
Instrument :
MSVOA_Y
ClientSampleId :
UST-NORTH

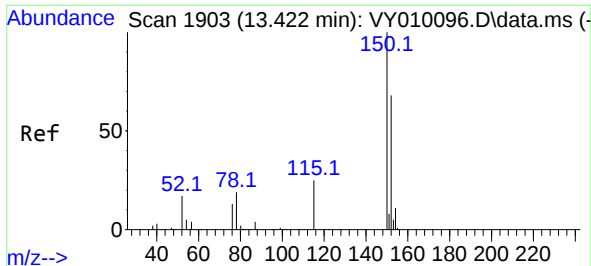
Tgt Ion: 95 Resp: 109044
Ion Ratio Lower Upper
95 100
174 86.2 0.0 173.8
176 84.4 0.0 167.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010127.D
Acq: 20 Aug 2022 01:39

Tgt Ion: 117 Resp: 328755
Ion Ratio Lower Upper
117 100
82 48.7 40.6 61.0
119 31.7 25.8 38.8

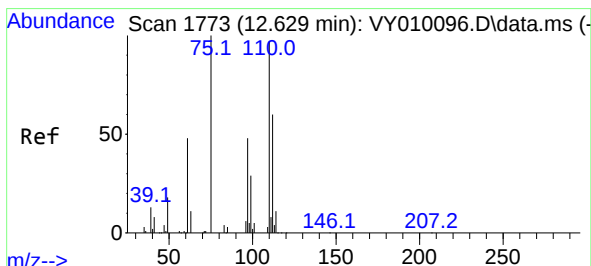
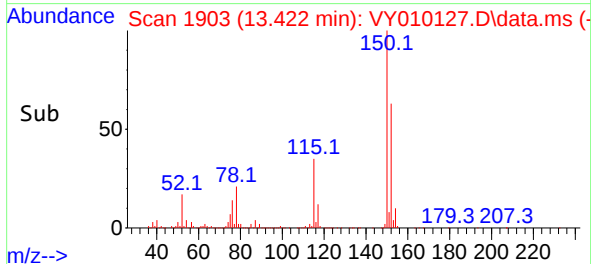
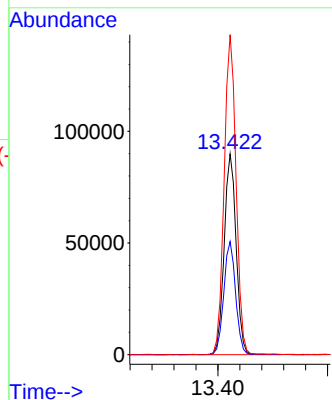
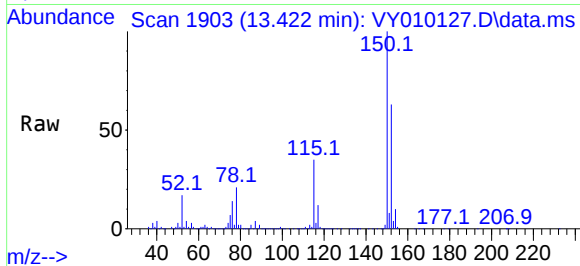




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010127.D
Acq: 20 Aug 2022 01:39

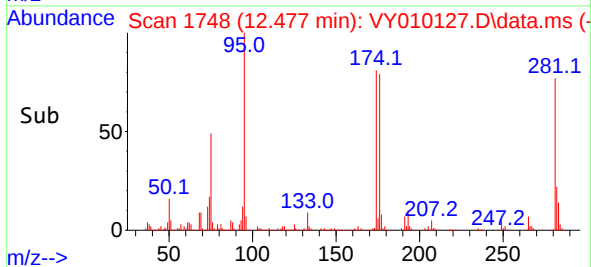
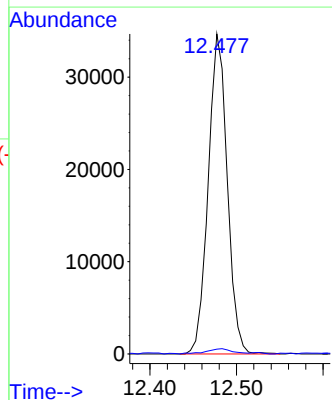
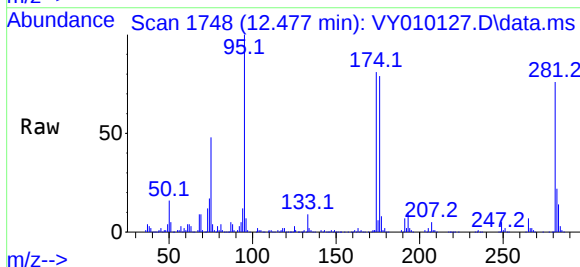
Instrument :
MSVOA_Y
ClientSampleId :
UST-NORTH

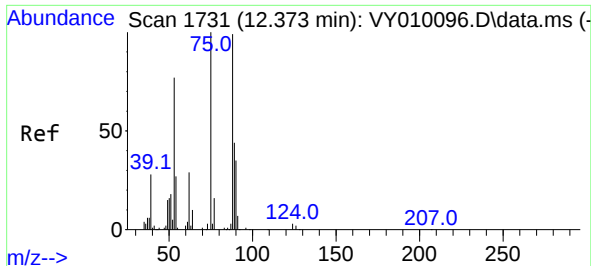
Tgt Ion:152 Resp: 136964
Ion Ratio Lower Upper
152 100
115 55.6 28.1 84.2
150 158.2 0.0 346.2



#76
1,2,3-Trichloropropane
Concen: 41.322 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010127.D
Acq: 20 Aug 2022 01:39

Tgt Ion: 75 Resp: 53004
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#

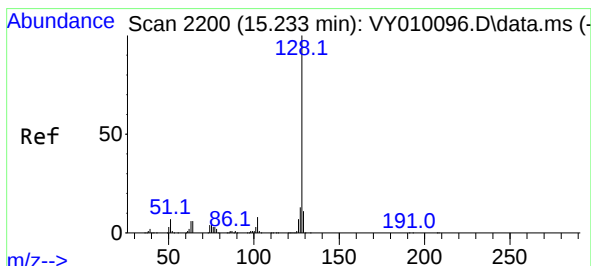
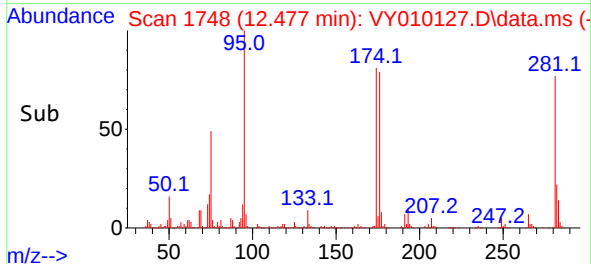
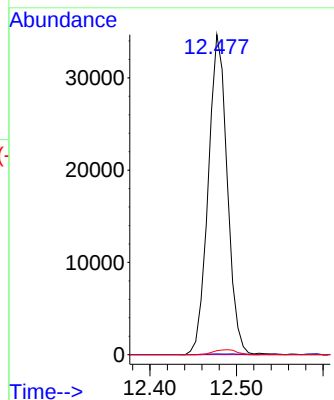
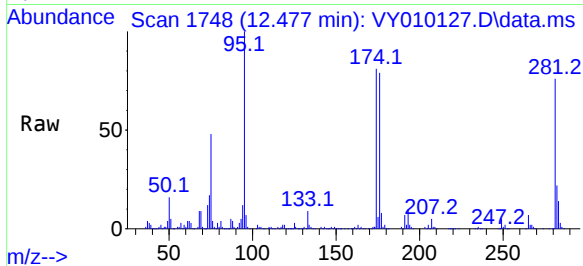




#81
trans-1,4-Dichloro-2-butene
Concen: 82.996 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010127.D
Acq: 20 Aug 2022 01:39

Instrument :
MSVOA_Y
ClientSampleId :
UST-NORTH

Tgt Ion: 75 Resp: 53004
Ion Ratio Lower Upper
75 100
53 0.5 62.6 94.0#
89 1.8 36.8 55.2#



#95
Naphthalene
Concen: 4.086 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010127.D
Acq: 20 Aug 2022 01:39

Tgt Ion:128 Resp: 1117
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 24.2 8.9 13.3#

