

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010128.D
 Acq On : 20 Aug 2022 02:02
 Operator : KP/MD
 Sample : N4142-02
 Misc : 6.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 UST-SOUTH

Quant Time: Aug 22 02:51:31 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)

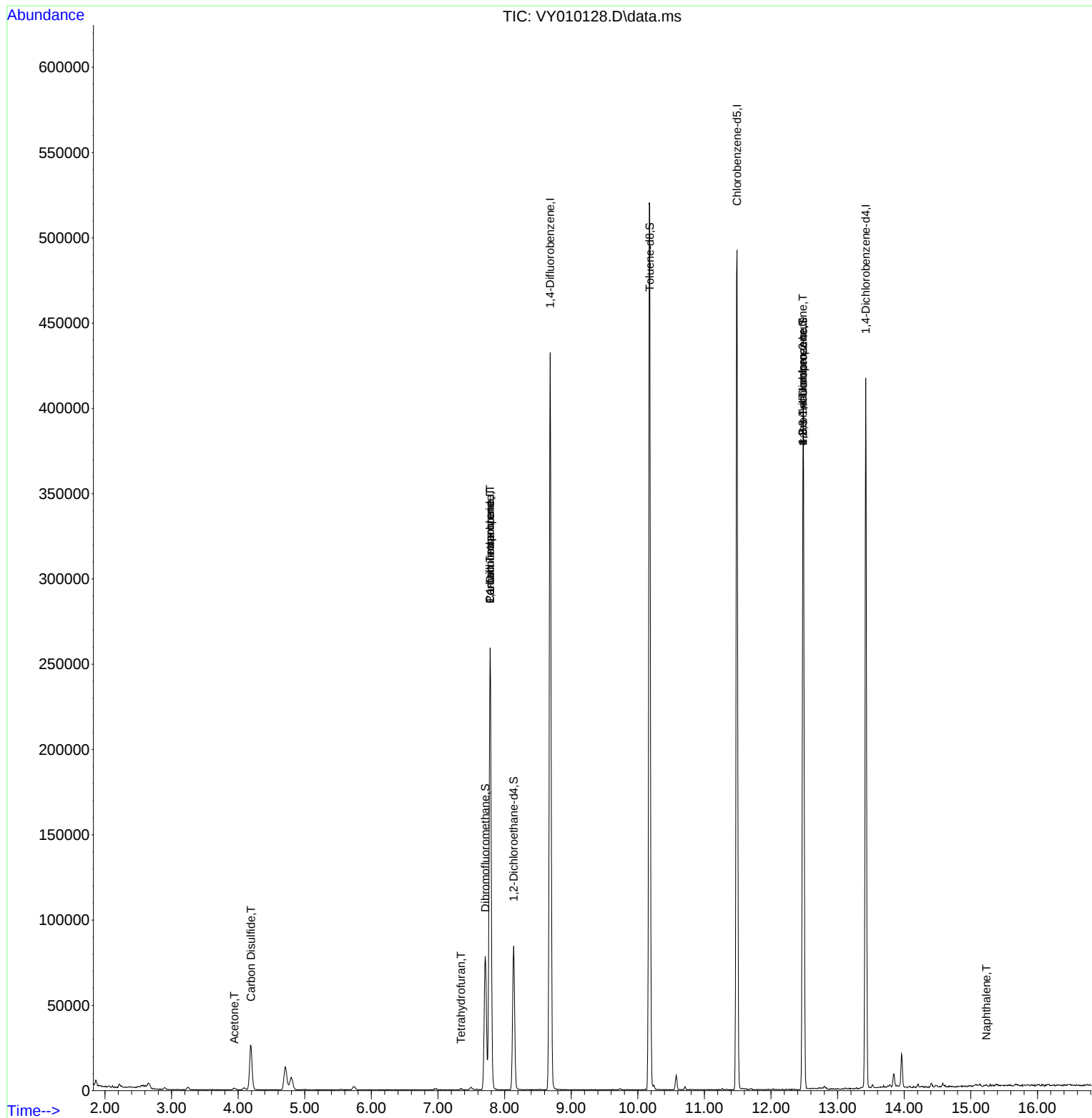
Internal Standards						
1) Pentafluorobenzene	7.783	168	209903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	375193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	286045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	62702	36.469	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	72.940%
35) Dibromofluoromethane	7.710	113	58107	27.485	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	54.960%
50) Toluene-d8	10.179	98	354223	44.715	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.420%
62) 4-Bromofluorobenzene	12.477	95	87973	31.081	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	62.160%
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	1825	4.241	ug/l	97
17) Carbon Disulfide	4.192	76	54064	8.804	ug/l	97
20) Methylene Chloride	4.704	84	10626	Below Cal	#	93
29) Tetrahydrofuran	7.344	42	455	1.028	ug/l	91
36) 1,1-Dichloropropene	7.783	75	14125	4.186	ug/l	# 49
38) Carbon Tetrachloride	7.783	117	19269	5.445	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	43520	42.580	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	43520	85.522	ug/l	# 18
95) Naphthalene	15.233	128	415	3.979	ug/l	# 79

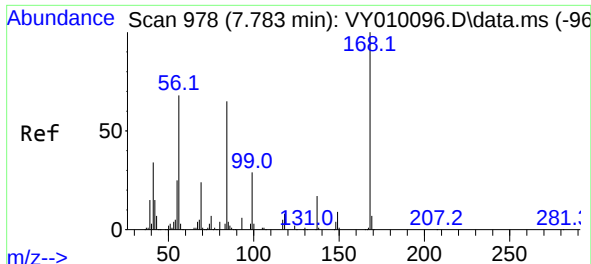
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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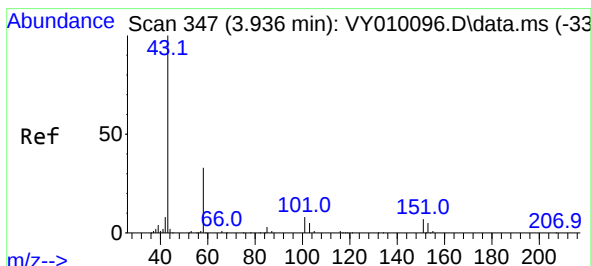
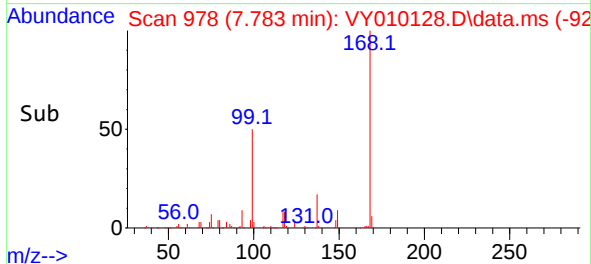
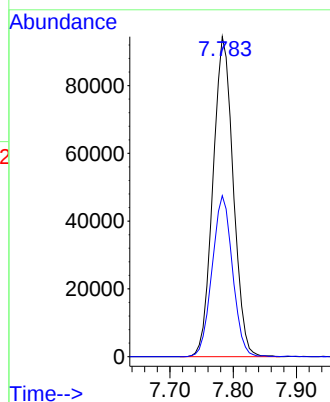
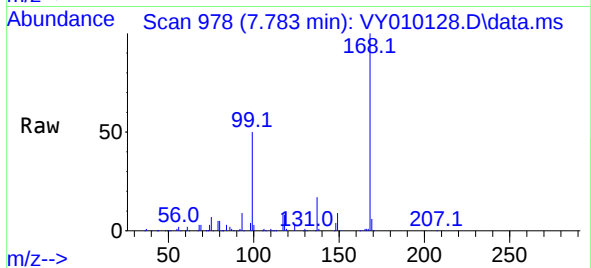




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010128.D
Acq: 20 Aug 2022 02:02

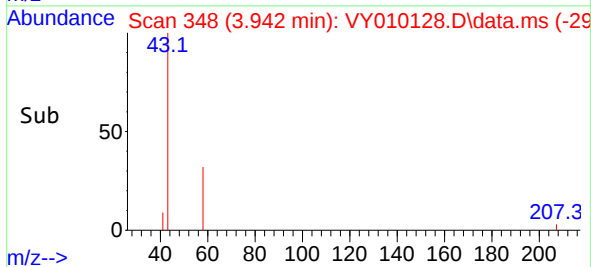
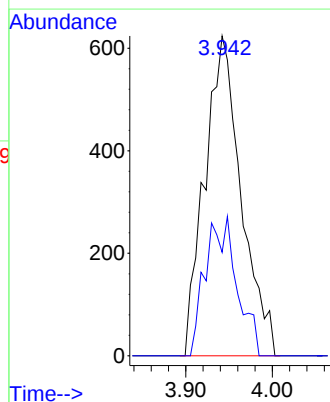
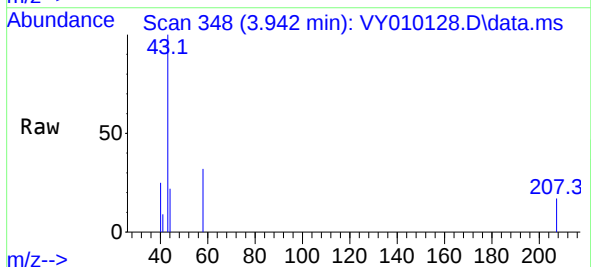
Instrument :
MSVOA_Y
ClientSampleId :
UST-SOUTH

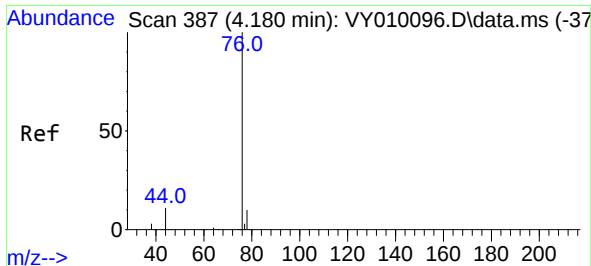
Tgt Ion:168 Resp: 209903
Ion Ratio Lower Upper
168 100
99 50.3 40.7 61.1



#16
Acetone
Concen: 4.241 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010128.D
Acq: 20 Aug 2022 02:02

Tgt Ion: 43 Resp: 1825
Ion Ratio Lower Upper
43 100
58 32.4 27.4 41.0

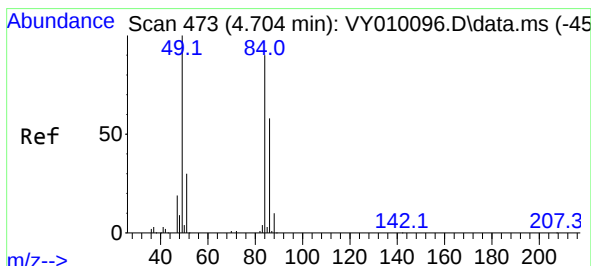
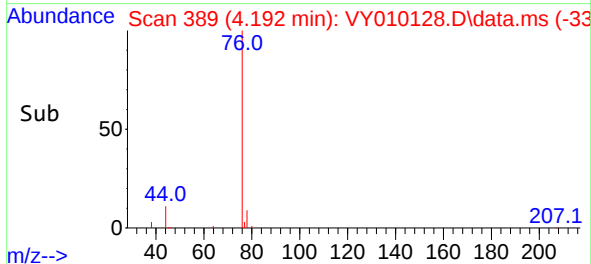
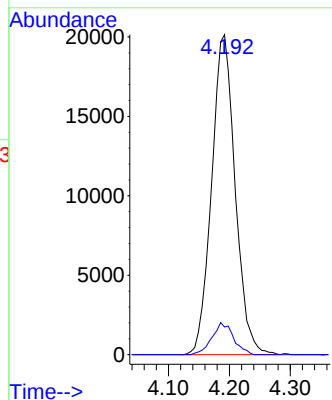
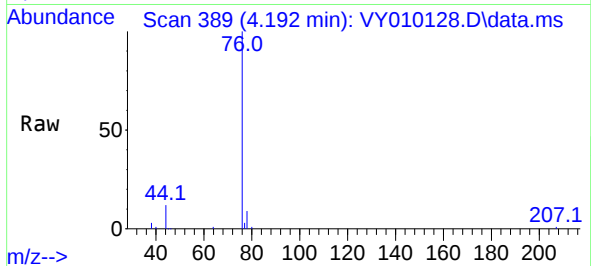




#17
Carbon Disulfide
Concen: 8.804 ug/l
RT: 4.192 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY010128.D
Acq: 20 Aug 2022 02:02

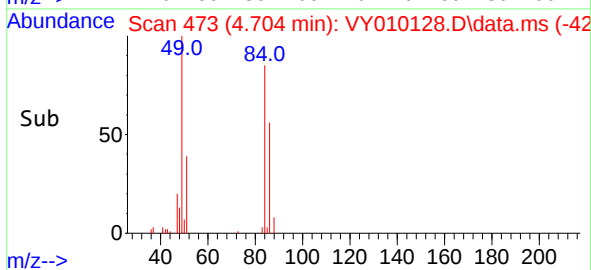
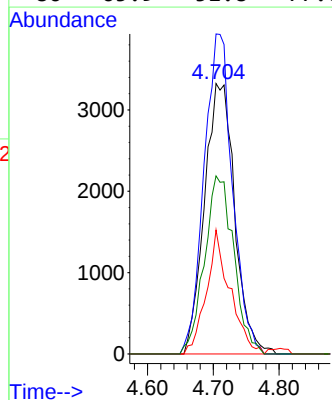
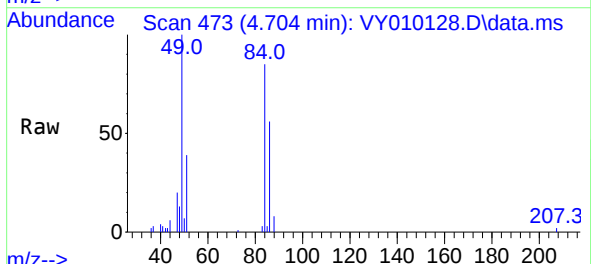
Instrument :
MSVOA_Y
ClientSampleId :
UST-SOUTH

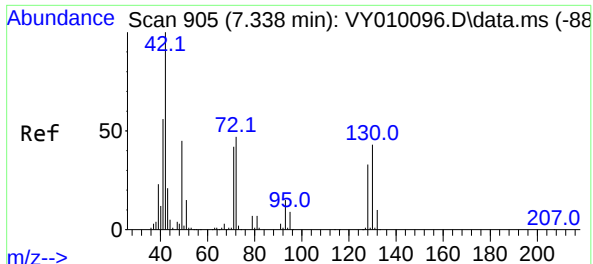
Tgt Ion: 76 Resp: 54064
Ion Ratio Lower Upper
76 100
78 8.6 7.7 11.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY010128.D
Acq: 20 Aug 2022 02:02

Tgt Ion: 84 Resp: 10626
Ion Ratio Lower Upper
84 100
49 118.3 89.0 133.4
51 45.9 27.0 40.6#
86 65.9 51.8 77.6





#29

Tetrahydrofuran

Concen: 1.028 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY010128.D

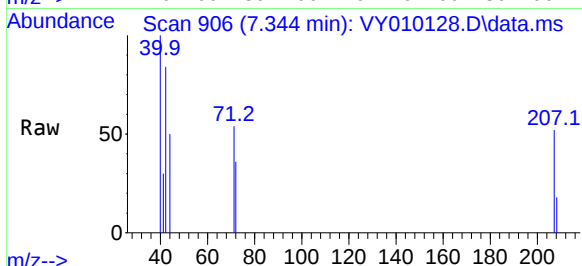
Acq: 20 Aug 2022 02:02

Instrument :

MSVOA_Y

ClientSampleId :

UST-SOUTH



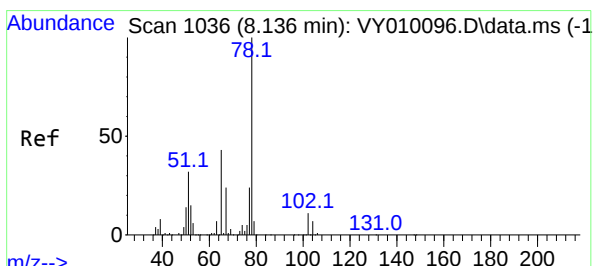
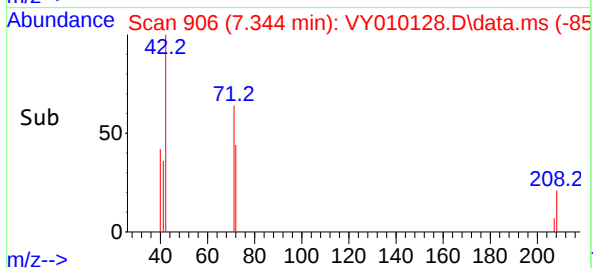
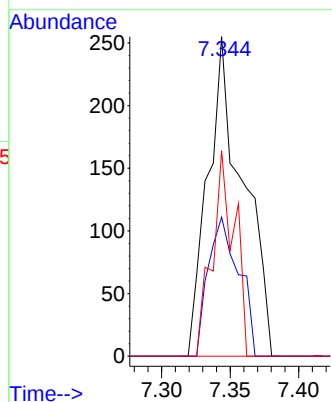
Tgt Ion: 42 Resp: 455

Ion Ratio Lower Upper

42 100

72 37.8 37.4 56.0

71 40.9 34.9 52.3



#33

1,2-Dichloroethane-d4

Concen: 36.469 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010128.D

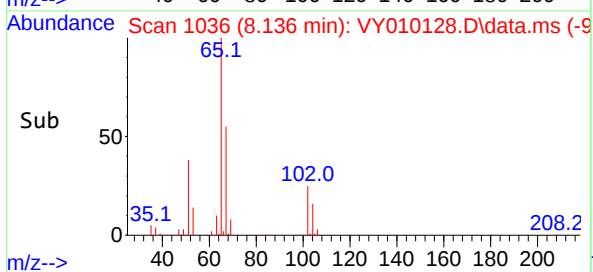
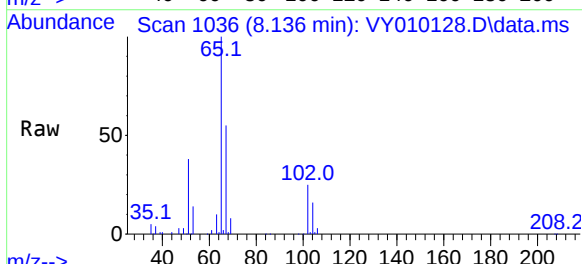
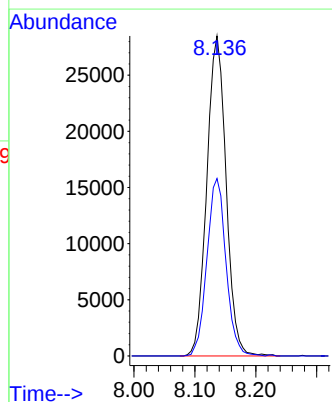
Acq: 20 Aug 2022 02:02

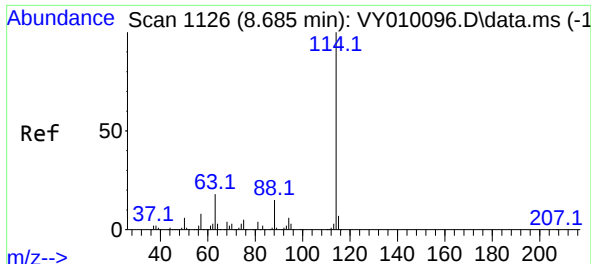
Tgt Ion: 65 Resp: 62702

Ion Ratio Lower Upper

65 100

67 54.8 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: VY010128.D

Acq: 20 Aug 2022 02:02

Instrument :

MSVOA_Y

ClientSampleId :

UST-SOUTH

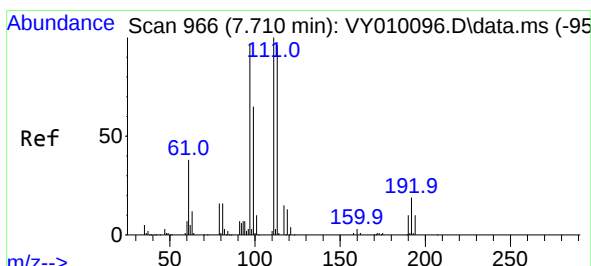
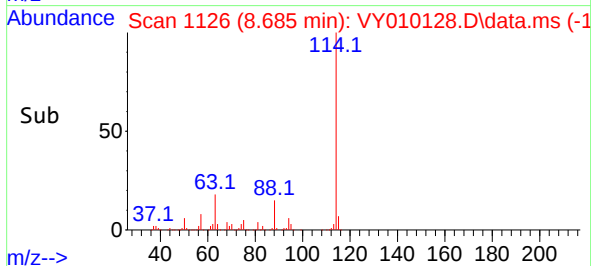
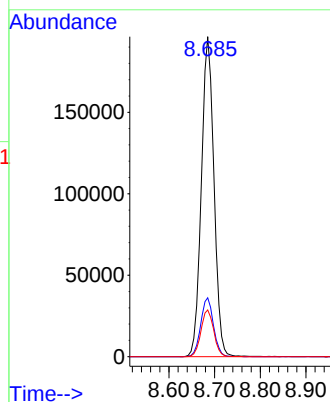
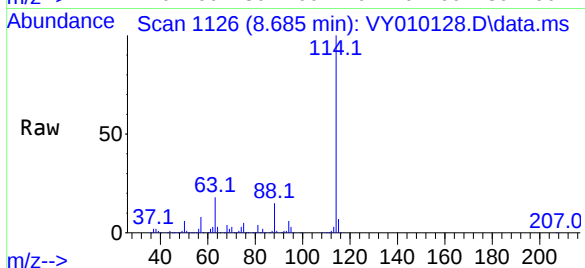
Tgt Ion:114 Resp: 375193

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

88 14.6 0.0 29.6



#35

Dibromofluoromethane

Concen: 27.485 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010128.D

Acq: 20 Aug 2022 02:02

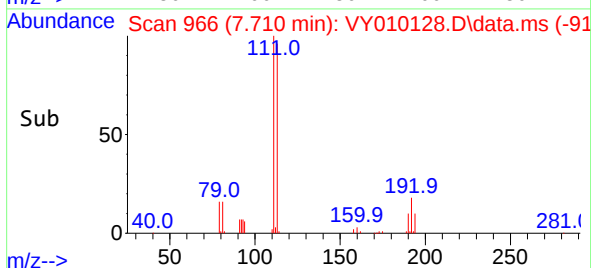
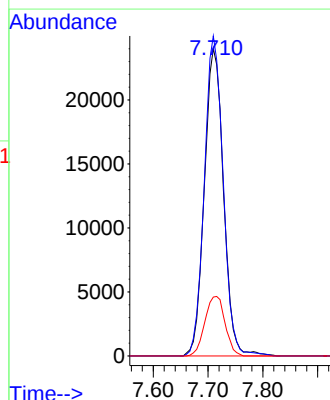
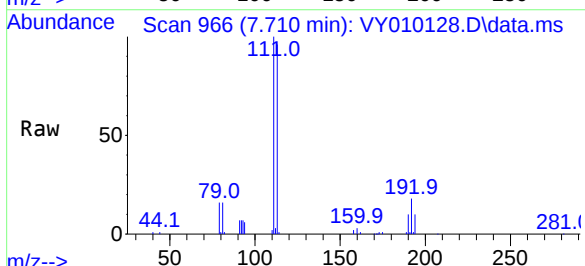
Tgt Ion:113 Resp: 58107

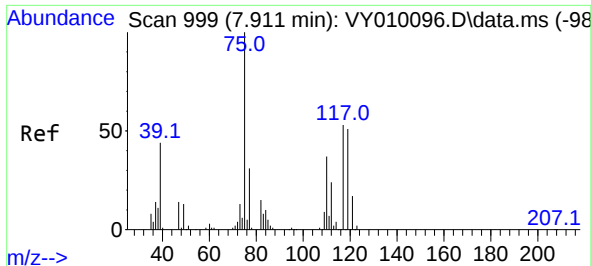
Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 20.4 16.3 24.5

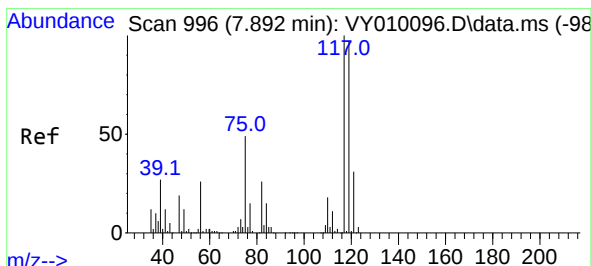
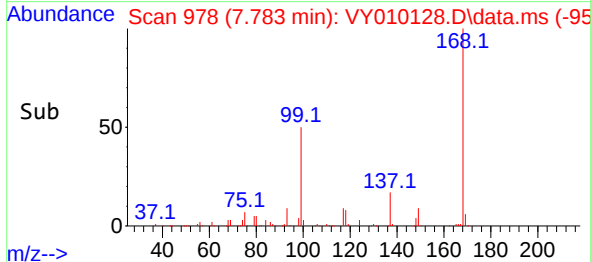
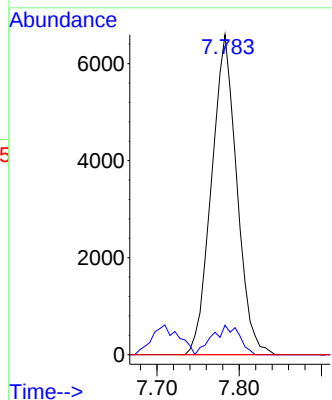
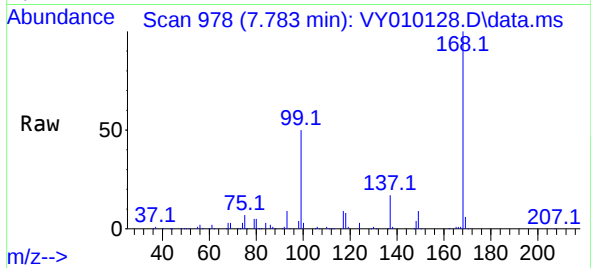




#36
1,1-Dichloropropene
Concen: 4.186 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010128.D
Acq: 20 Aug 2022 02:02

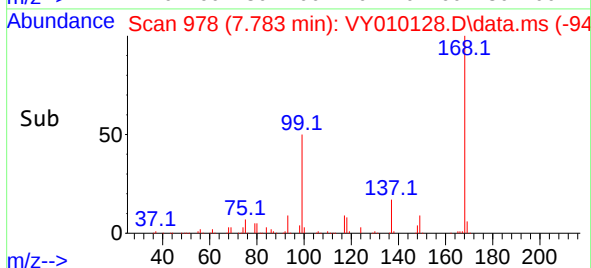
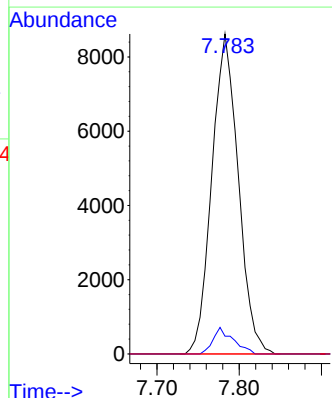
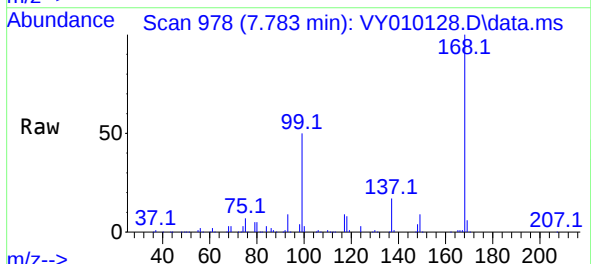
Instrument :
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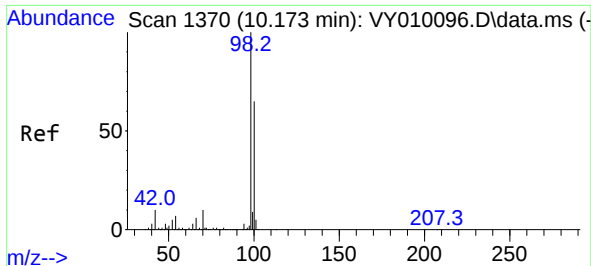
Tgt Ion: 75 Resp: 14125
Ion Ratio Lower Upper
75 100
110 9.8 18.6 56.0#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.445 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY010128.D
Acq: 20 Aug 2022 02:02

Tgt Ion: 117 Resp: 19269
Ion Ratio Lower Upper
117 100
119 5.5 77.1 115.7#
121 0.0 24.7 37.1#

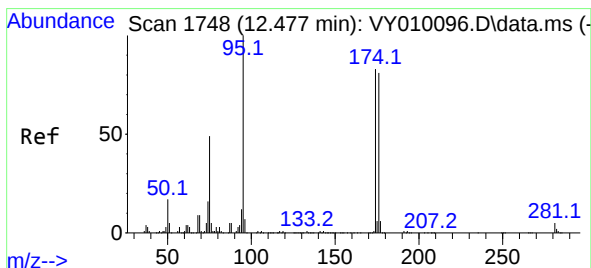
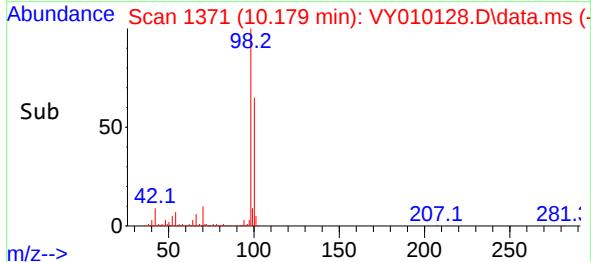
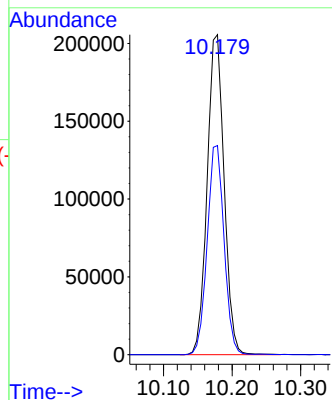
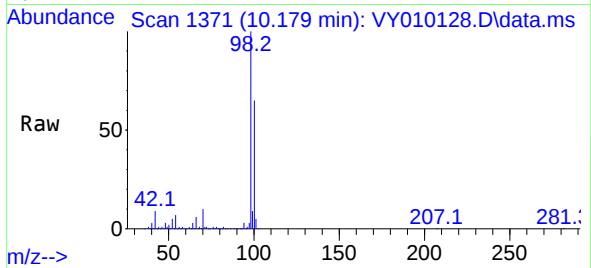




#50
Toluene-d8
Concen: 44.715 ug/l
RT: 10.179 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VY010128.D
Acq: 20 Aug 2022 02:02

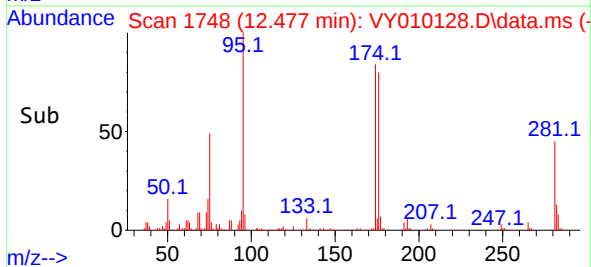
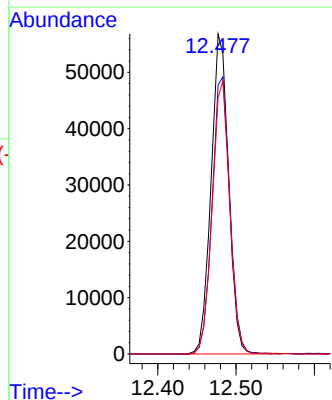
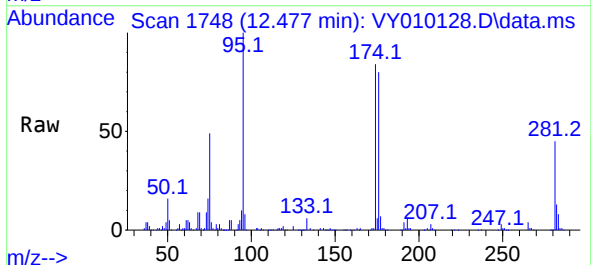
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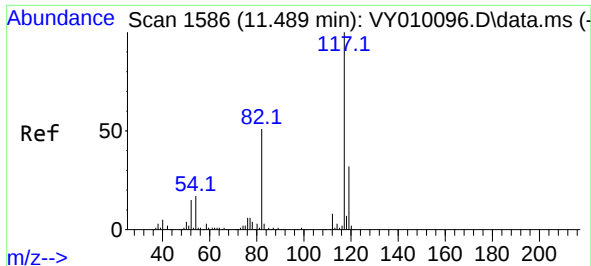
Tgt Ion: 98 Resp: 354223
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 31.081 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010128.D
Acq: 20 Aug 2022 02:02

Tgt Ion: 95 Resp: 87973
Ion Ratio Lower Upper
95 100
174 88.3 0.0 173.8
176 85.5 0.0 167.2

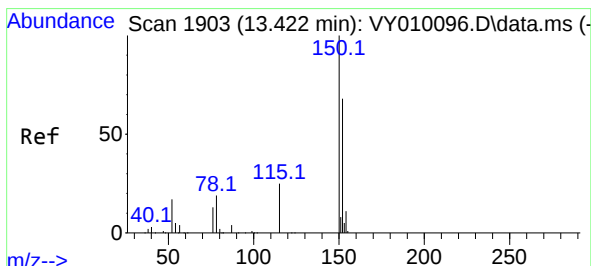
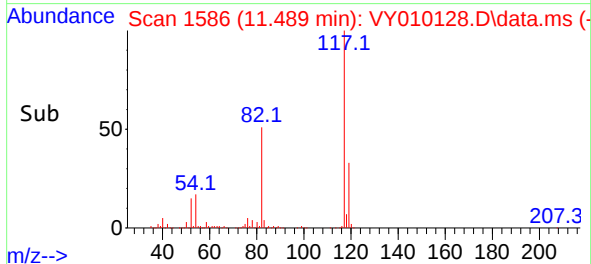
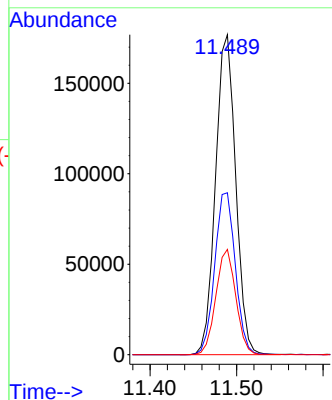
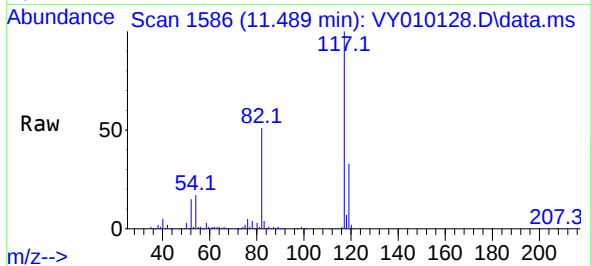




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY010128.D
Acq: 20 Aug 2022 02:02

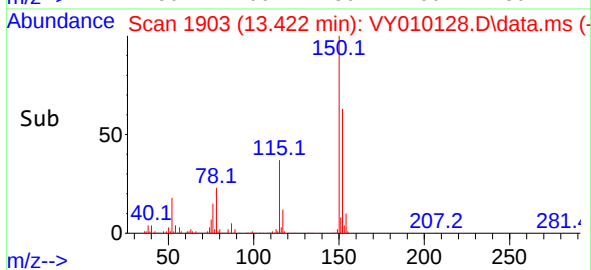
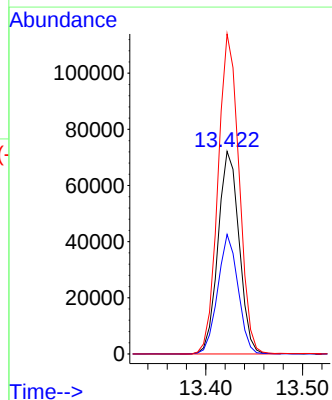
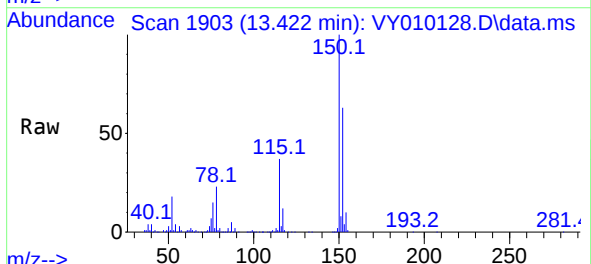
Instrument :
MSVOA_Y
ClientSampleId :
UST-SOUTH

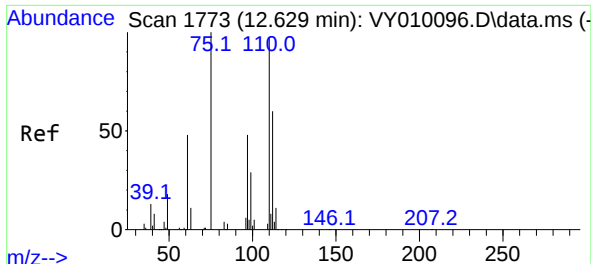
Tgt Ion:117 Resp: 286045
Ion Ratio Lower Upper
117 100
82 50.6 40.6 61.0
119 32.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010128.D
Acq: 20 Aug 2022 02:02

Tgt Ion:152 Resp: 109135
Ion Ratio Lower Upper
152 100
115 56.9 28.1 84.2
150 157.6 0.0 346.2

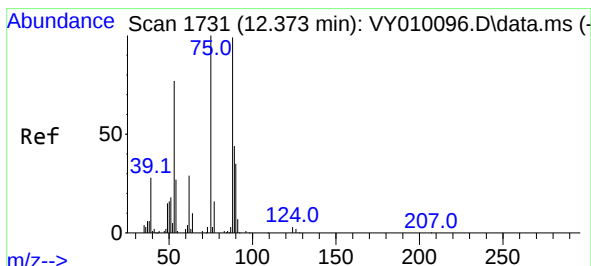
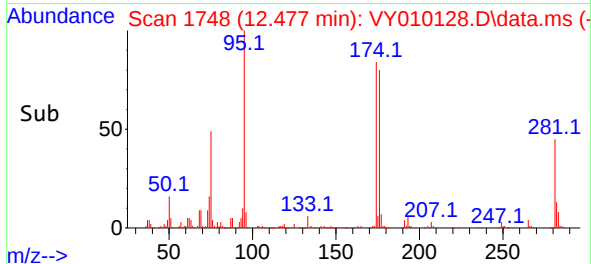
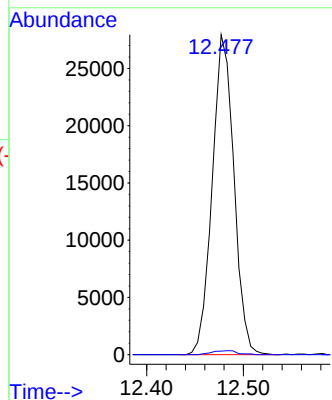
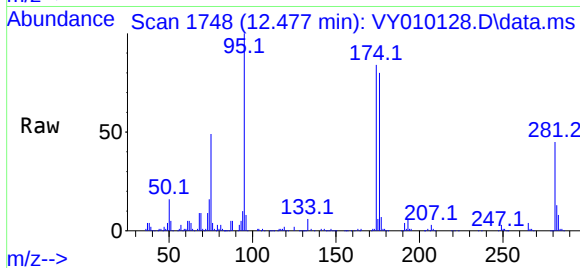




#76
1,2,3-Trichloropropane
Concen: 42.580 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010128.D
Acq: 20 Aug 2022 02:02

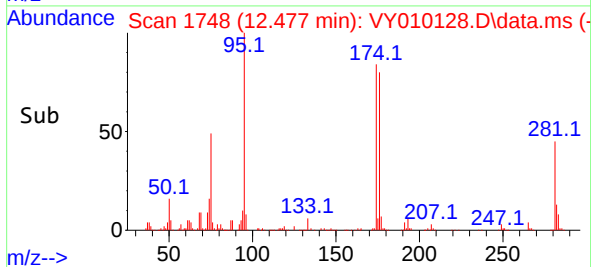
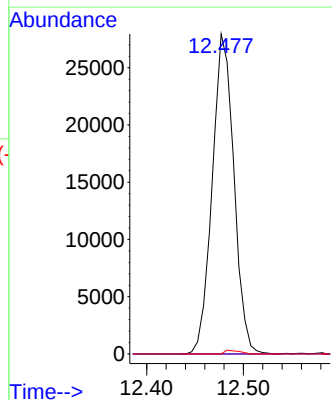
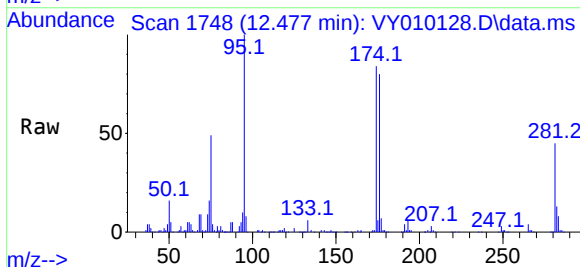
Instrument :
MSVOA_Y
ClientSampleId :
UST-SOUTH

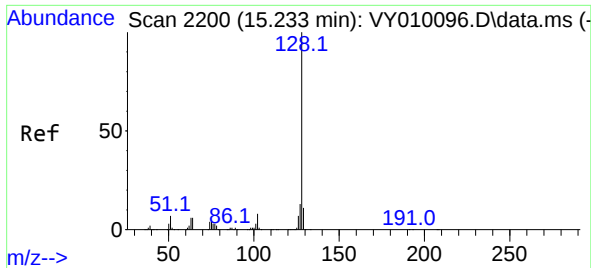
Tgt Ion: 75 Resp: 43520
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.522 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010128.D
Acq: 20 Aug 2022 02:02

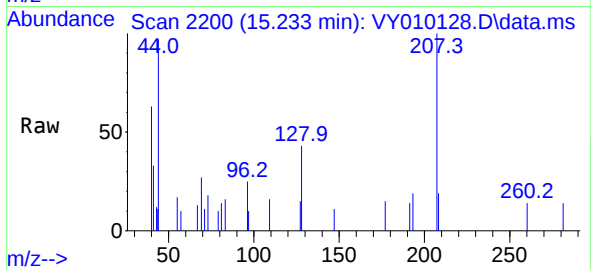
Tgt Ion: 75 Resp: 43520
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.8 36.8 55.2#





#95
Naphthalene
Concen: 3.979 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY010128.D
Acq: 20 Aug 2022 02:02

Instrument :
MSVOA_Y
ClientSampleId :
UST-SOUTH



Tgt Ion:	128	Resp:	415
Ion	Ratio	Lower	Upper
128	100		
127	7.0	10.2	15.2#
129	0.0	8.9	13.3#

