

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011923\
 Data File : VY012277.D
 Acq On : 19 Jan 2023 19:41
 Operator : KP/MD
 Sample : 01217-14
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BORING-2

Quant Time: Jan 20 03:26:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

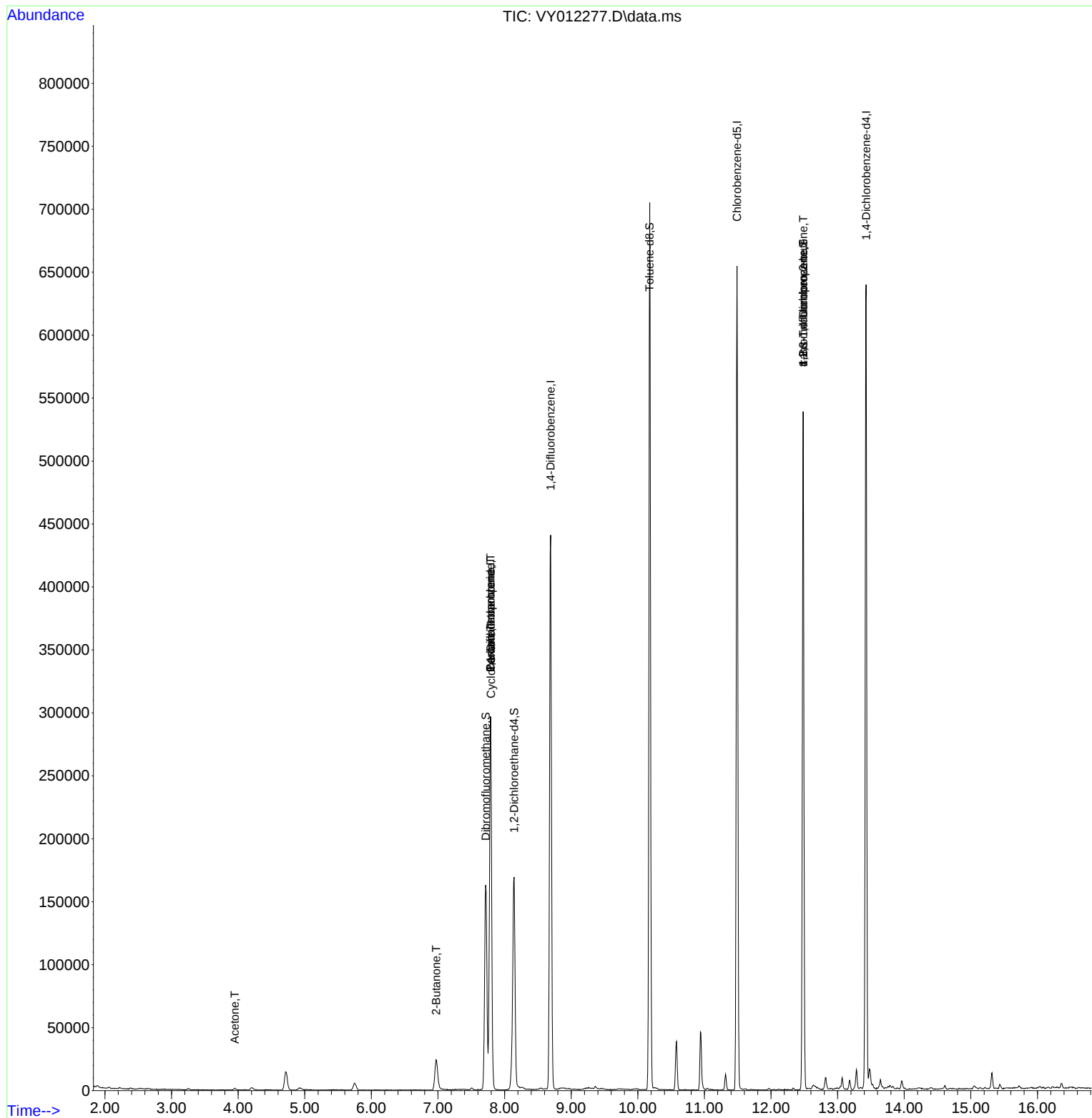
Internal Standards						
1) Pentafluorobenzene	7.789	168	238192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	395514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	372847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	174779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	127439	65.789	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.580%
35) Dibromofluoromethane	7.716	113	118330	56.502	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.000%
50) Toluene-d8	10.179	98	463004	65.118	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	130.240%
62) 4-Bromofluorobenzene	12.483	95	157466	53.338	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	1351	Below Cal	#	74
16) Acetone	3.948	43	2029	3.059	ug/l	95
20) Methylene Chloride	4.716	84	11968	Below Cal		92
25) 2-Butanone	6.972	43	2103	2.872	ug/l	92
31) Cyclohexane	7.795	56	4074	1.173	ug/l #	6
36) 1,1-Dichloropropene	7.789	75	16138	4.534	ug/l #	50
38) Carbon Tetrachloride	7.789	117	22828	4.966	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	78701	48.969	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	78701	100.898	ug/l #	13

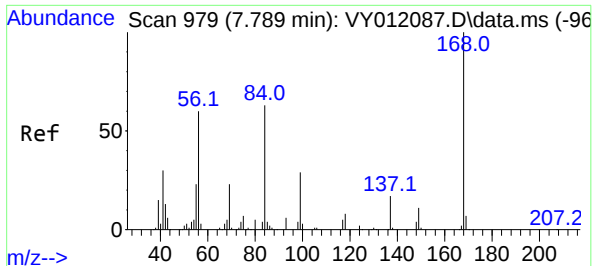
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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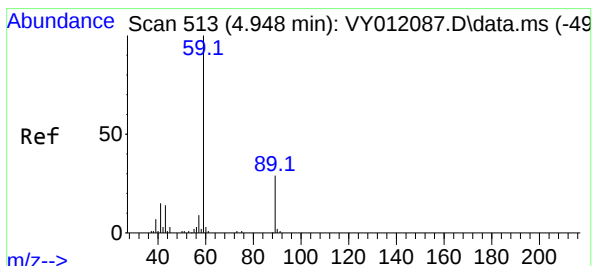
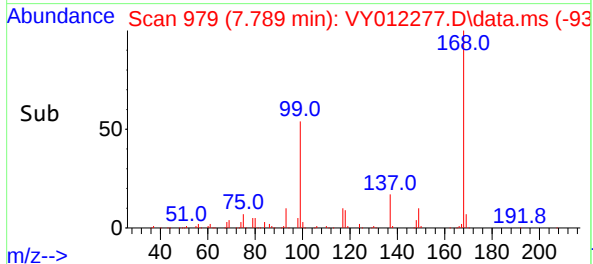
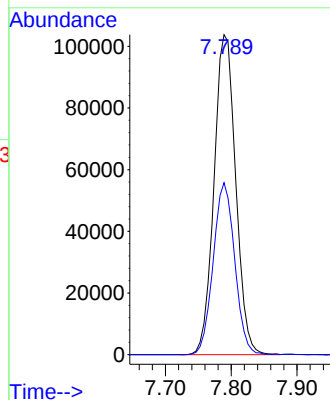
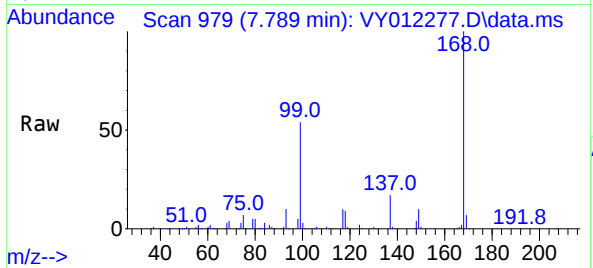




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012277.D
Acq: 19 Jan 2023 19:41

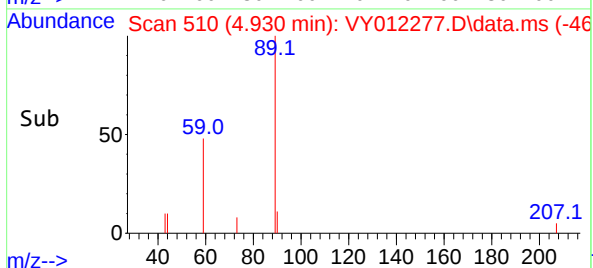
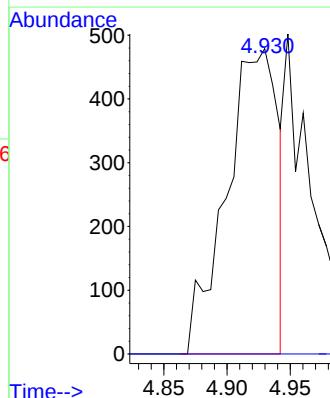
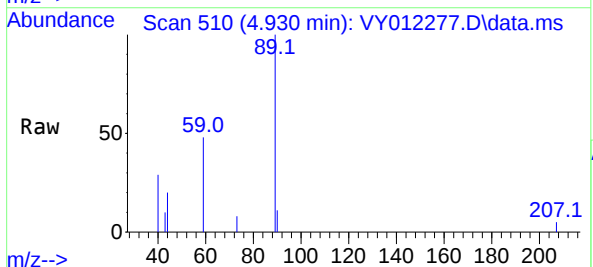
Instrument :
MSVOA_Y
ClientSampleId :
BORING-2

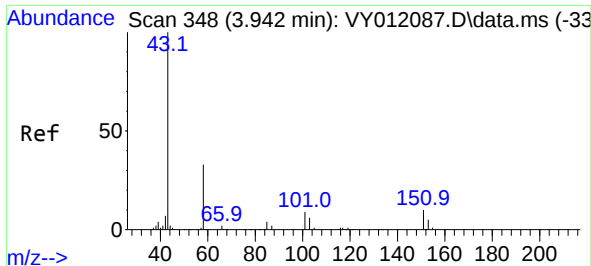
Tgt Ion:168 Resp: 238192
Ion Ratio Lower Upper
168 100
99 53.8 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012277.D
Acq: 19 Jan 2023 19:41

Tgt Ion: 59 Resp: 1351
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

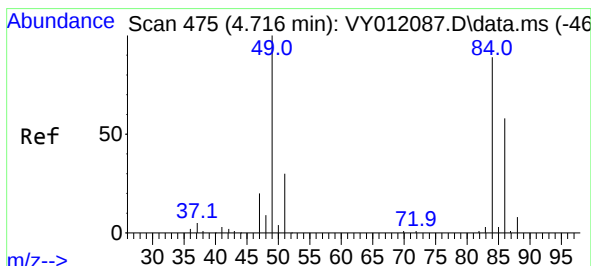
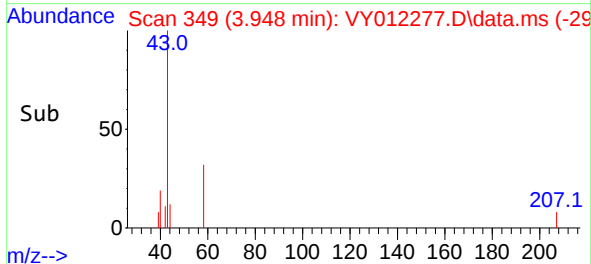
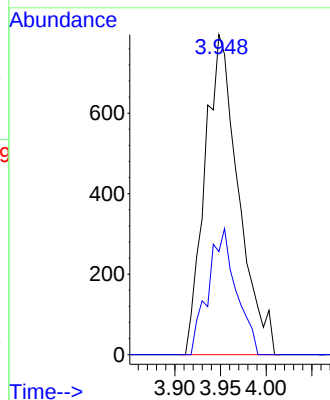
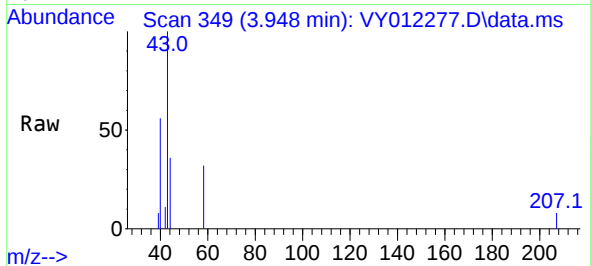




#16
Acetone
Concen: 3.059 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY012277.D
Acq: 19 Jan 2023 19:41

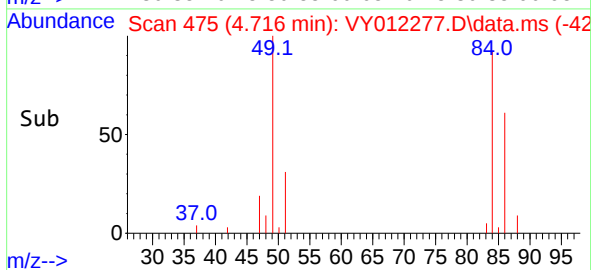
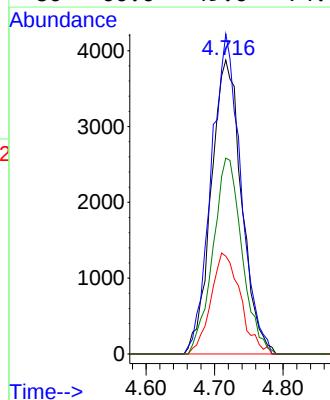
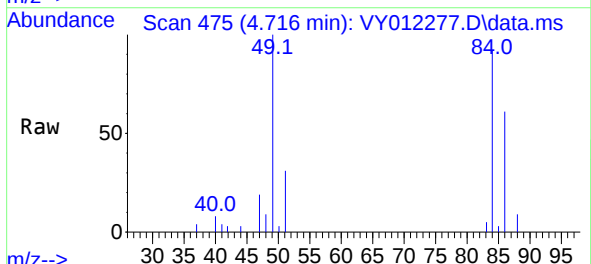
Instrument :
MSVOA_Y
ClientSampleId :
BORING-2

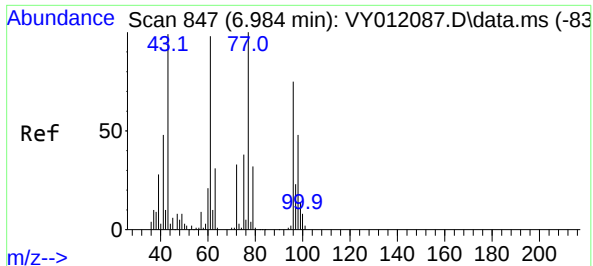
Tgt Ion: 43 Resp: 2029
Ion Ratio Lower Upper
43 100
58 32.2 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012277.D
Acq: 19 Jan 2023 19:41

Tgt Ion: 84 Resp: 11968
Ion Ratio Lower Upper
84 100
49 108.9 95.4 143.2
51 33.3 29.9 44.9
86 66.6 49.6 74.4





#25

2-Butanone

Concen: 2.872 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY012277.D

Acq: 19 Jan 2023 19:41

Instrument :

MSVOA_Y

ClientSampleId :

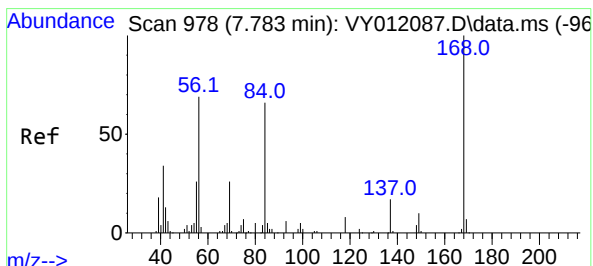
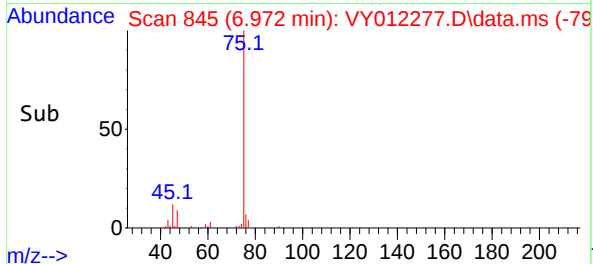
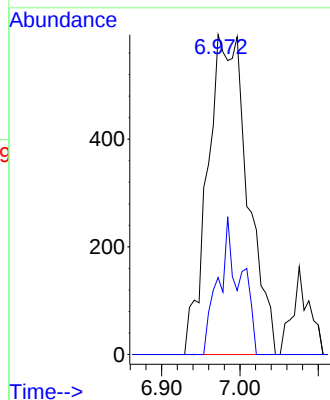
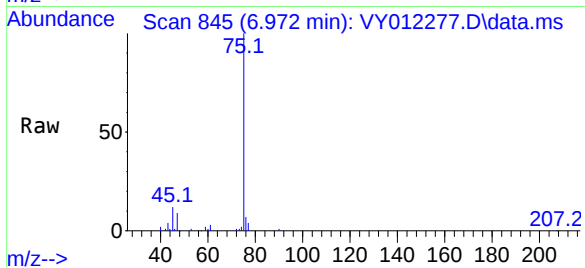
BORING-2

Tgt Ion: 43 Resp: 2103

Ion Ratio Lower Upper

43 100

72 24.1 22.6 34.0



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY012277.D

Acq: 19 Jan 2023 19:41

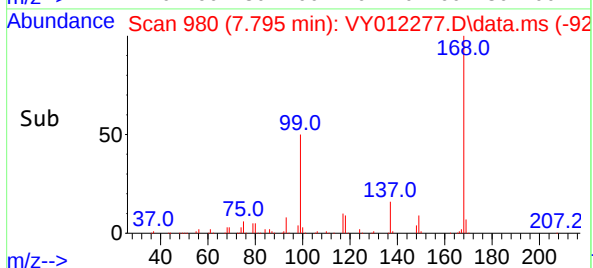
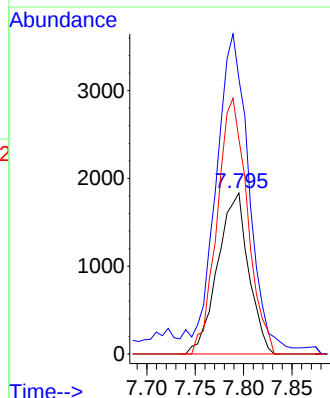
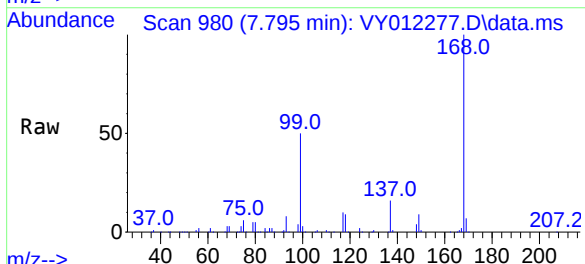
Tgt Ion: 56 Resp: 4074

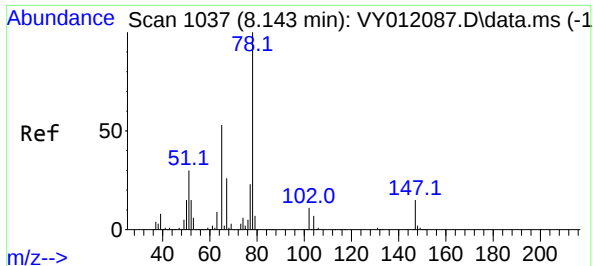
Ion Ratio Lower Upper

56 100

69 163.3 29.2 43.8#

84 133.4 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 65.789 ug/l

RT: 8.143 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012277.D

Acq: 19 Jan 2023 19:41

Instrument :

MSVOA_Y

ClientSampleId :

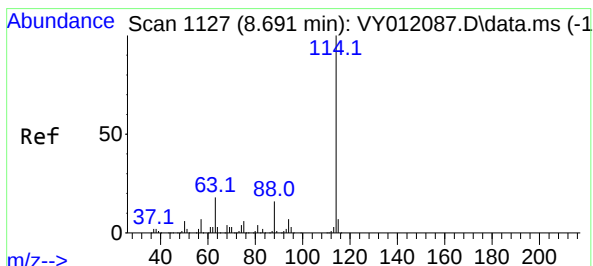
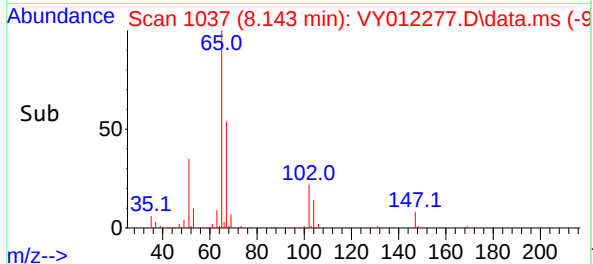
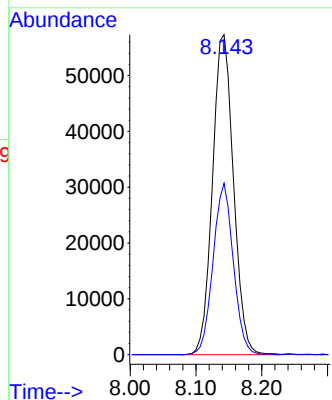
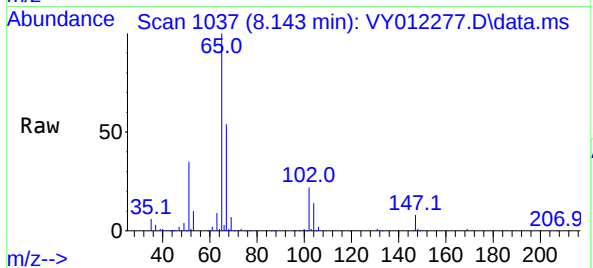
BORING-2

Tgt Ion: 65 Resp: 127439

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012277.D

Acq: 19 Jan 2023 19:41

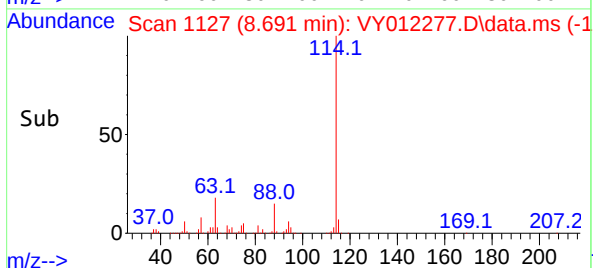
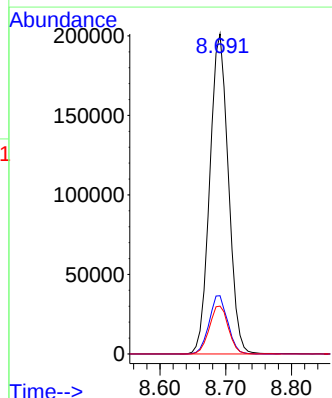
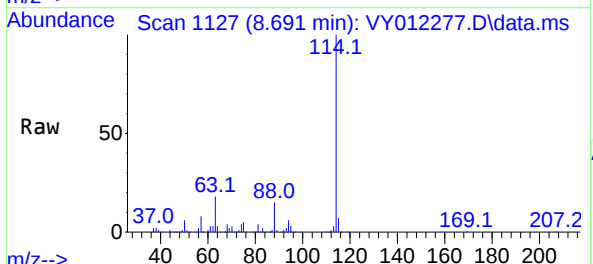
Tgt Ion:114 Resp: 395514

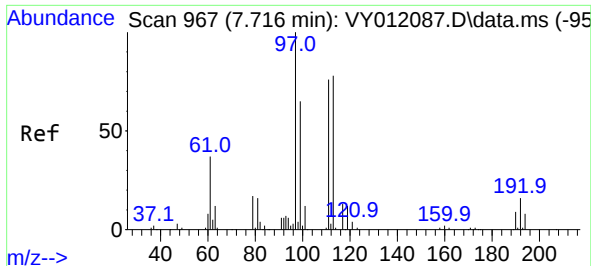
Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.0 0.0 32.2

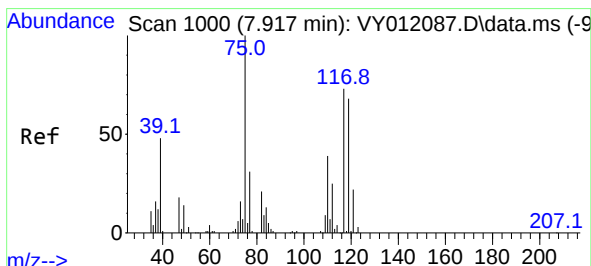
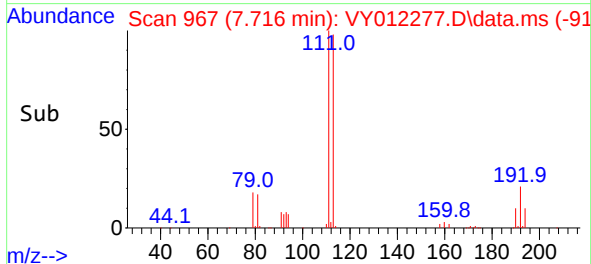
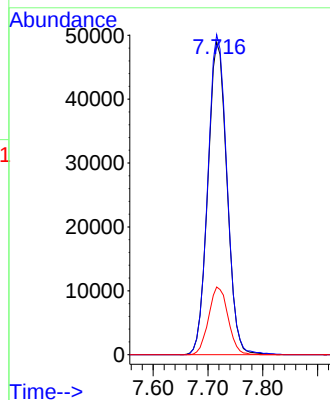
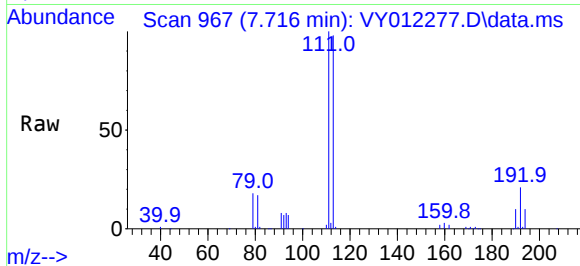




#35
Dibromofluoromethane
Concen: 56.502 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012277.D
Acq: 19 Jan 2023 19:41

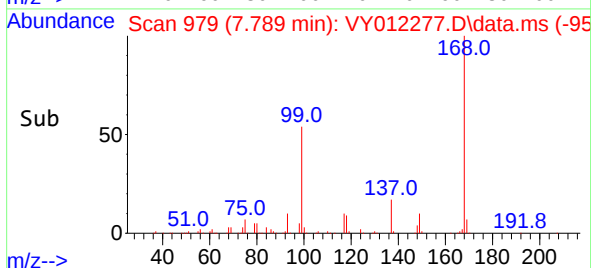
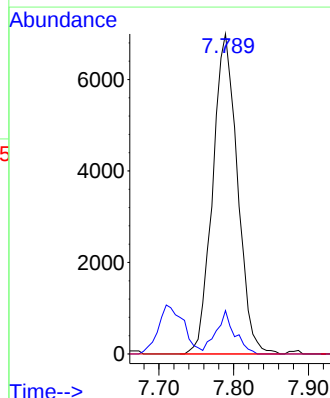
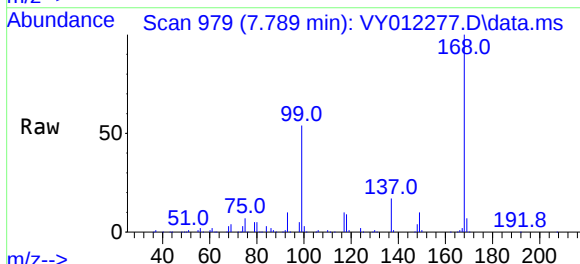
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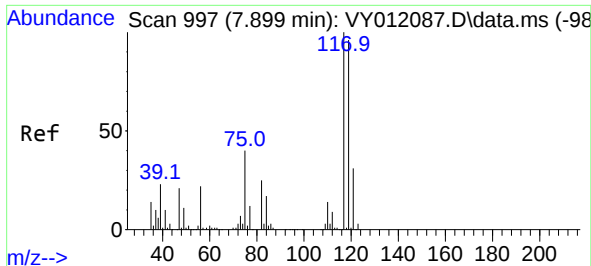
Tgt Ion:113 Resp: 118330
Ion Ratio Lower Upper
113 100
111 102.4 83.0 124.4
192 22.0 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.534 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012277.D
Acq: 19 Jan 2023 19:41

Tgt Ion: 75 Resp: 16138
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.1#
77 0.0 25.1 37.7#

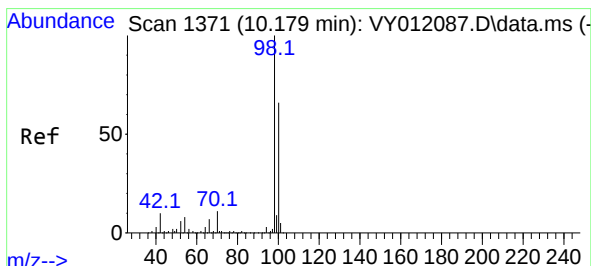
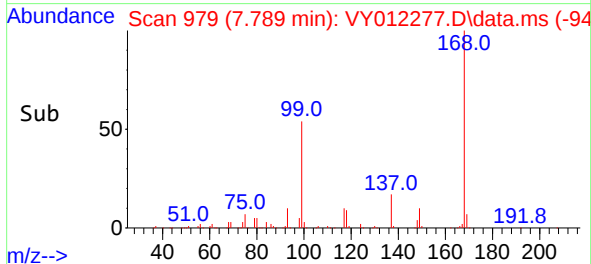
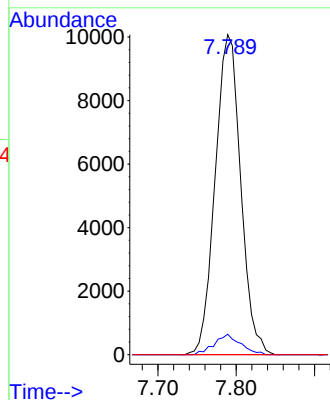
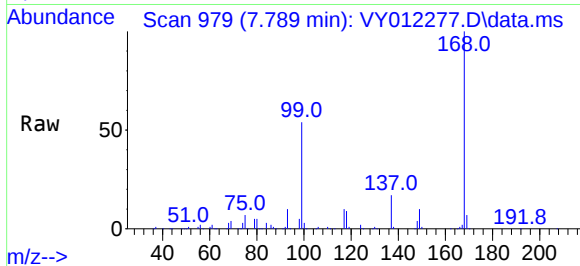




#38
Carbon Tetrachloride
Concen: 4.966 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012277.D
Acq: 19 Jan 2023 19:41

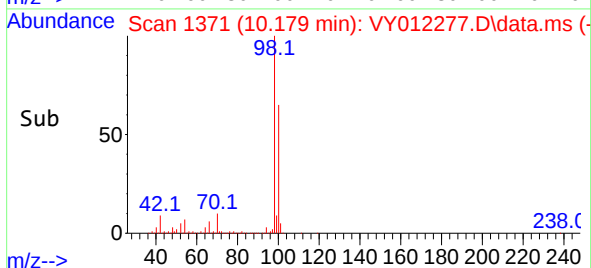
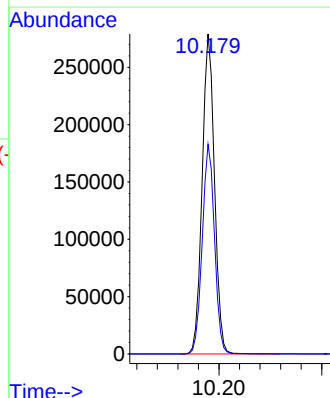
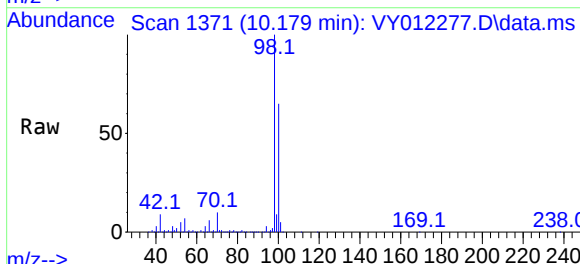
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BORING-2

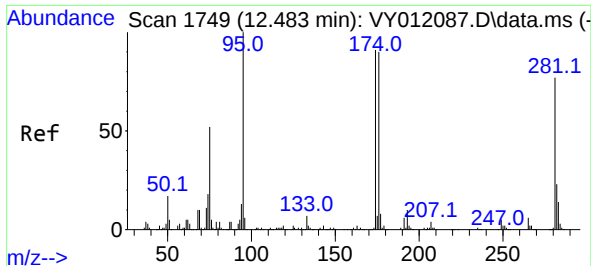
Tgt Ion:117 Resp: 22828
Ion Ratio Lower Upper
117 100
119 6.4 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 65.118 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012277.D
Acq: 19 Jan 2023 19:41

Tgt Ion: 98 Resp: 463004
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

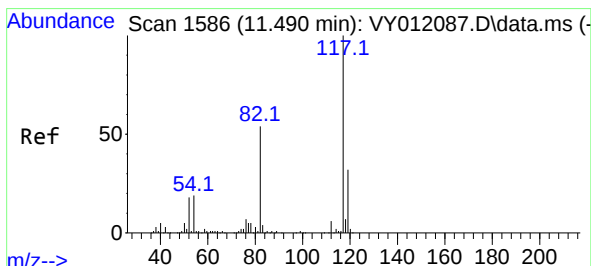
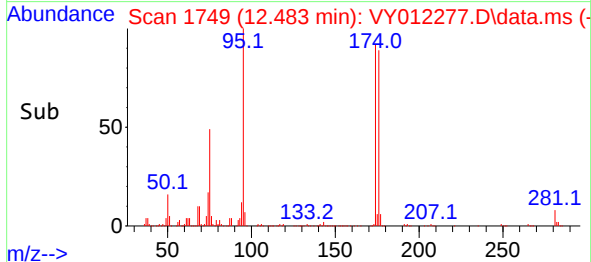
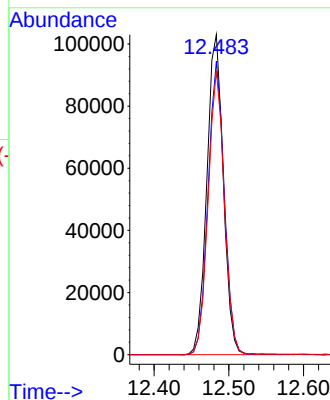
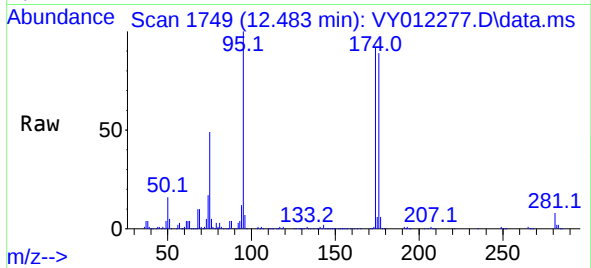




#62
4-Bromofluorobenzene
Concen: 53.338 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012277.D
Acq: 19 Jan 2023 19:41

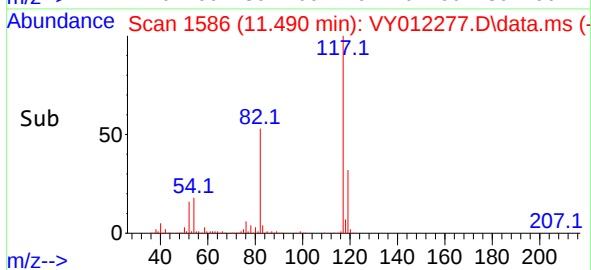
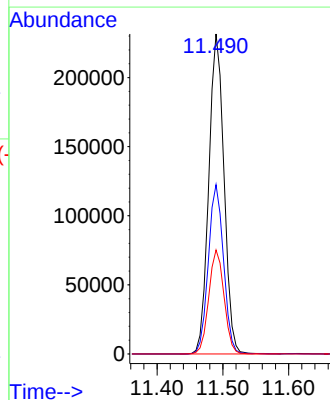
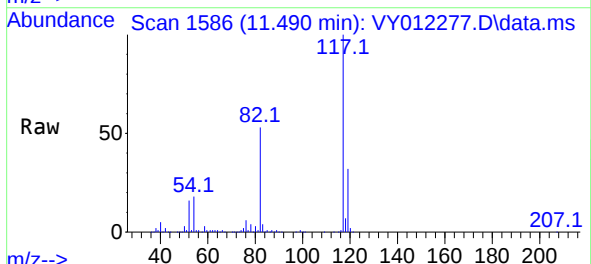
Instrument :
MSVOA_Y
ClientSampleId :
BORING-2

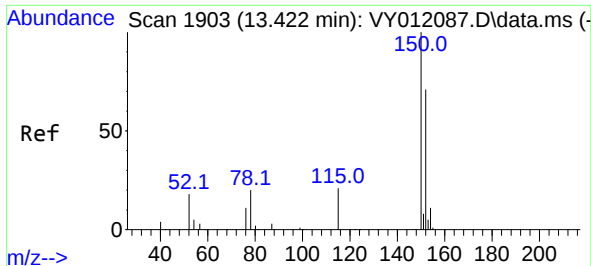
Tgt Ion: 95 Resp: 157466
Ion Ratio Lower Upper
95 100
174 91.0 0.0 172.0
176 87.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012277.D
Acq: 19 Jan 2023 19:41

Tgt Ion: 117 Resp: 372847
Ion Ratio Lower Upper
117 100
82 52.9 44.8 67.2
119 32.5 25.4 38.2

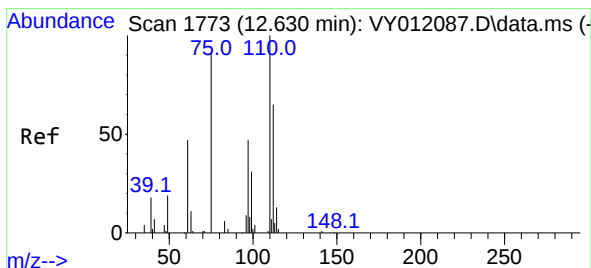
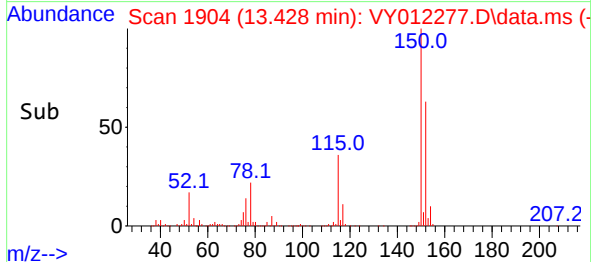
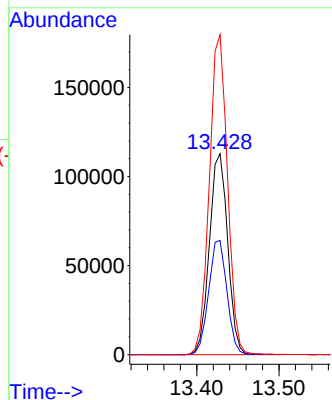
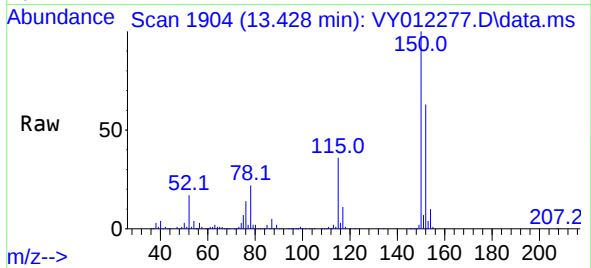




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY012277.D
Acq: 19 Jan 2023 19:41

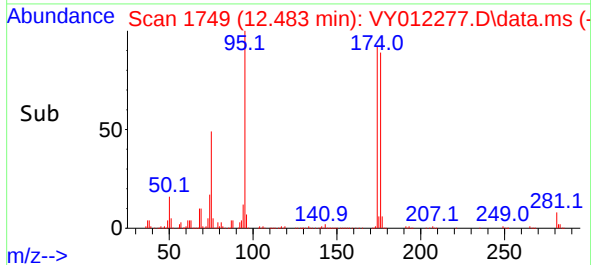
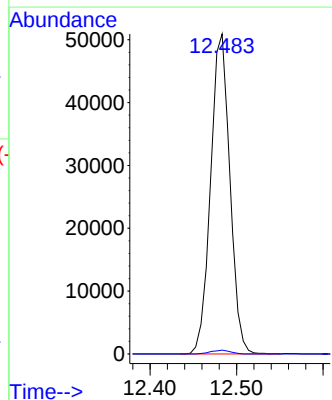
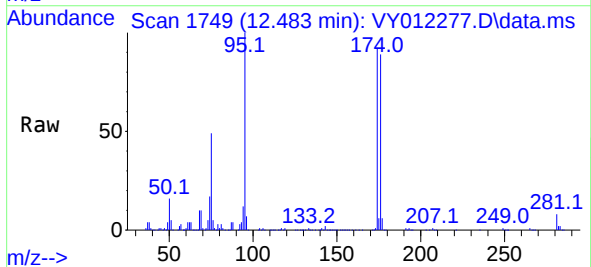
Instrument :
MSVOA_Y
ClientSampleId :
BORING-2

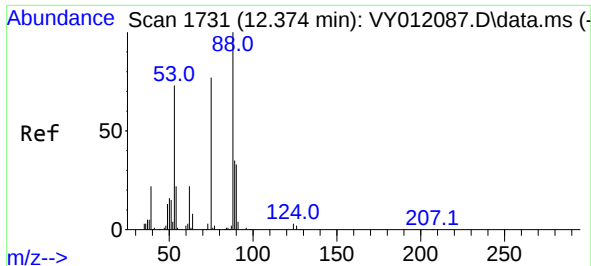
Tgt Ion:152 Resp: 174779
Ion Ratio Lower Upper
152 100
115 57.0 29.1 87.3
150 157.6 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 48.969 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012277.D
Acq: 19 Jan 2023 19:41

Tgt Ion: 75 Resp: 78701
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 100.898 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012277.D
Acq: 19 Jan 2023 19:41

Instrument :
MSVOA_Y
ClientSampleId :
BORING-2

Tgt Ion: 75 Resp: 78701
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

