

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022223\
 Data File : VY012688.D
 Acq On : 22 Feb 2023 13:14
 Operator : KP/MD
 Sample : 01595-01RE
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-322-2

Quant Time: Feb 22 21:42:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	110738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	203119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	197813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90688	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	75141	57.453	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.900%
35) Dibromofluoromethane	7.716	113	66981	48.822	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.640%
50) Toluene-d8	10.179	98	247191	48.093	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.180%
62) 4-Bromofluorobenzene	12.483	95	83139	50.547	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.100%

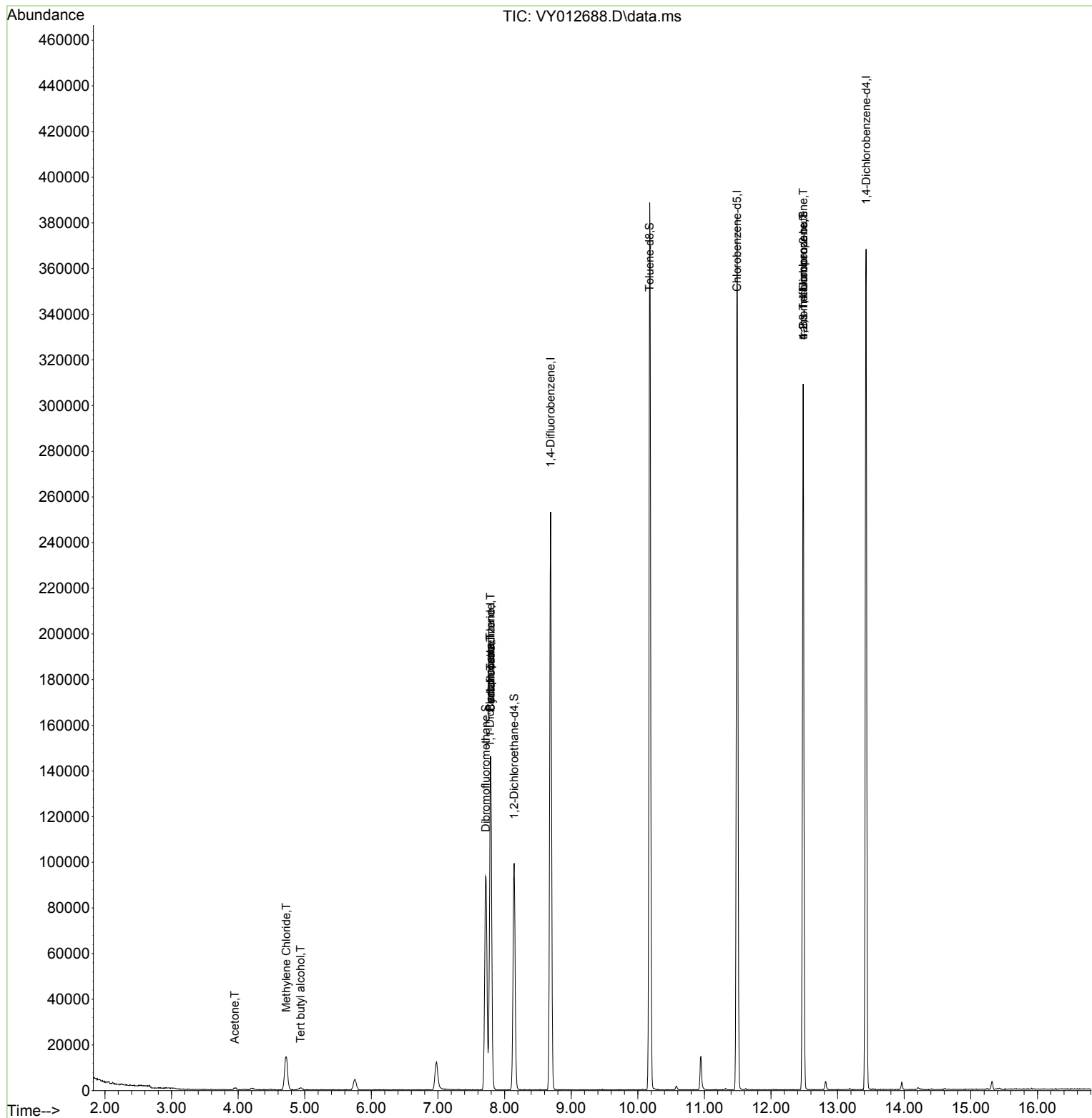
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	486	Below Cal		89
11) Tert butyl alcohol	4.936	59	1257	8.786	ug/l #	74
16) Acetone	3.948	43	1741	4.080	ug/l	97
20) Methylene Chloride	4.722	84	10404	2.066	ug/l	96
31) Cyclohexane	7.789	56	2838	1.249	ug/l #	4
36) 1,1-Dichloropropene	7.783	75	8829	4.060	ug/l #	49
38) Carbon Tetrachloride	7.789	117	10752	4.782	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	45646	40.374	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45646	85.532	ug/l #	9

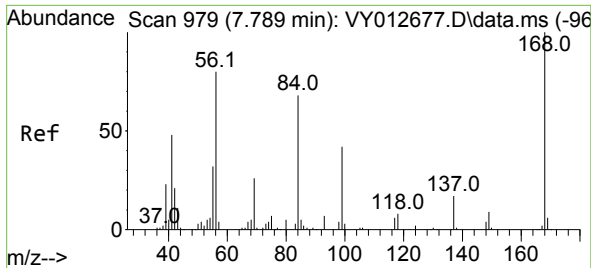
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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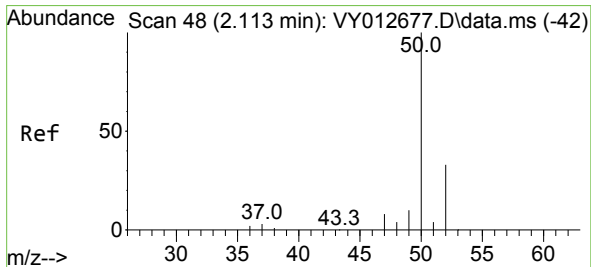
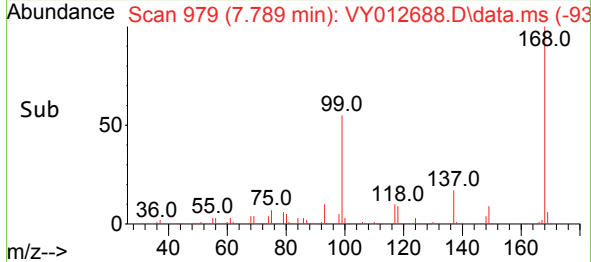
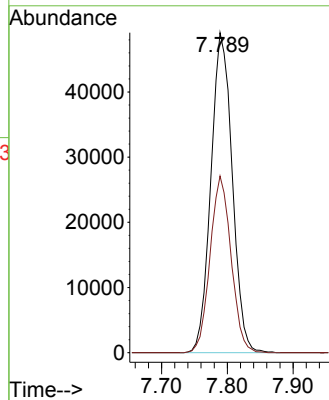
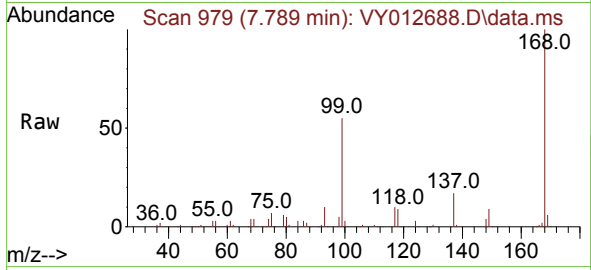




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012688.D
Acq: 22 Feb 2023 13:14

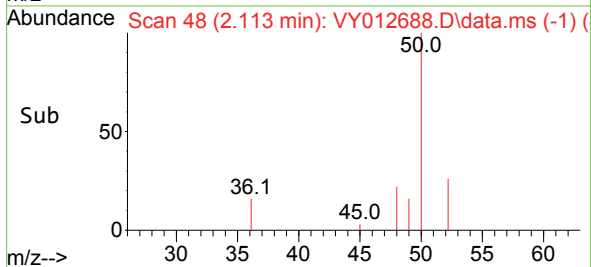
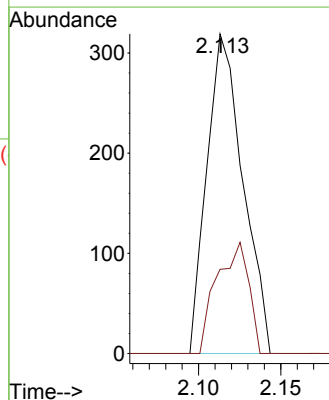
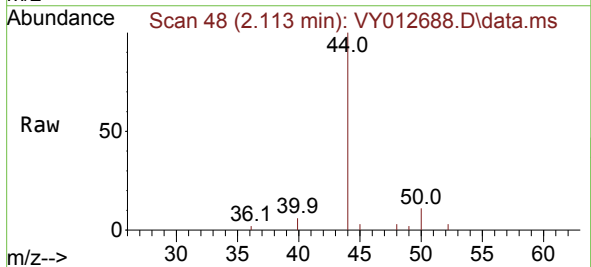
Instrument :
MSVOA_Y
ClientSampleId :
S-322-2

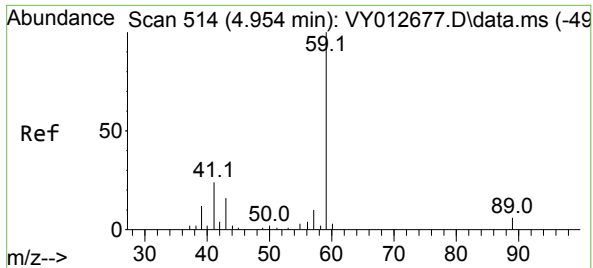
Tgt Ion:168 Resp: 110738
Ion Ratio Lower Upper
168 100
99 55.2 45.4 68.2



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY012688.D
Acq: 22 Feb 2023 13:14

Tgt Ion: 50 Resp: 486
Ion Ratio Lower Upper
50 100
52 26.3 26.1 39.1

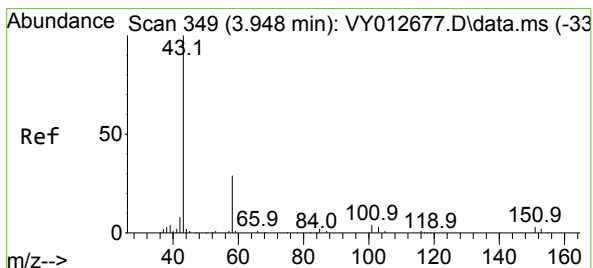
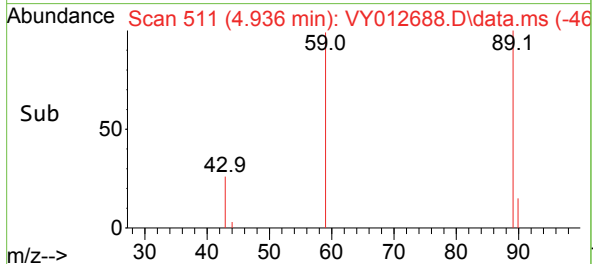
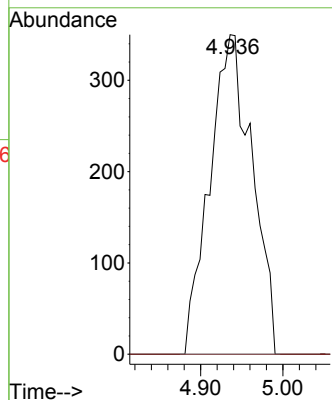
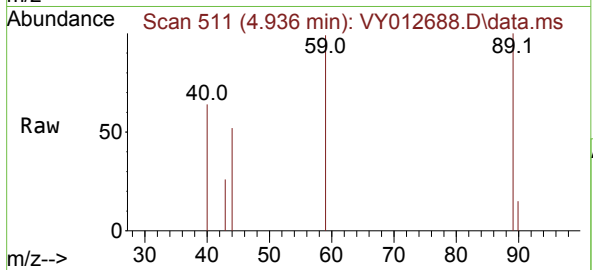




#11
Tert butyl alcohol
Concen: 8.786 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY012688.D
Acq: 22 Feb 2023 13:14

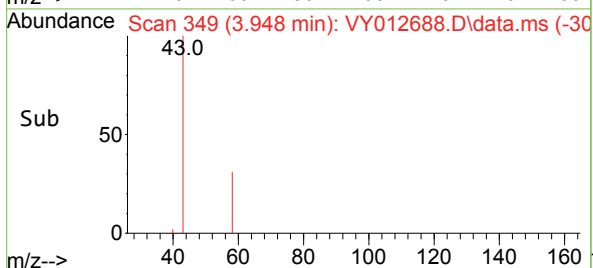
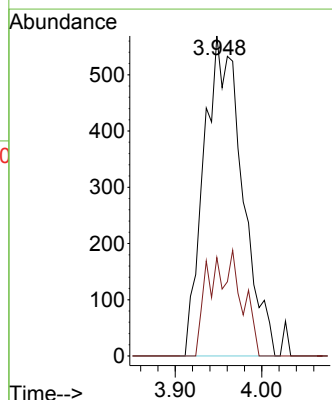
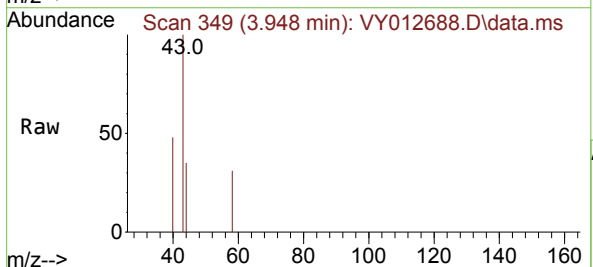
Instrument :
MSVOA_Y
ClientSampleId :
S-322-2

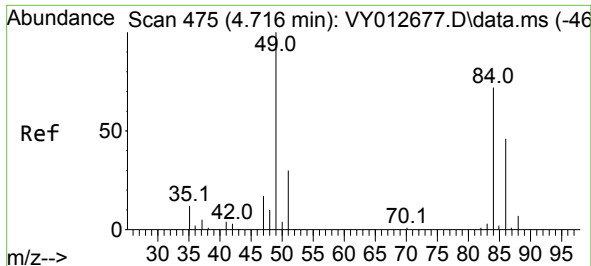
Tgt Ion: 59 Resp: 1257
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#16
Acetone
Concen: 4.080 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY012688.D
Acq: 22 Feb 2023 13:14

Tgt Ion: 43 Resp: 1741
Ion Ratio Lower Upper
43 100
58 30.8 23.3 34.9





#20

Methylene Chloride

Concen: 2.066 ug/l

RT: 4.722 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY012688.D

Acq: 22 Feb 2023 13:14

Instrument :

MSVOA_Y

ClientSampleId :

S-322-2

Tgt Ion: 84 Resp: 10404

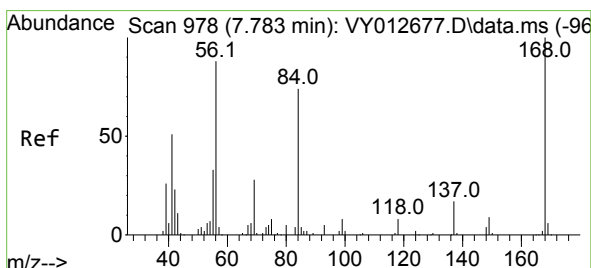
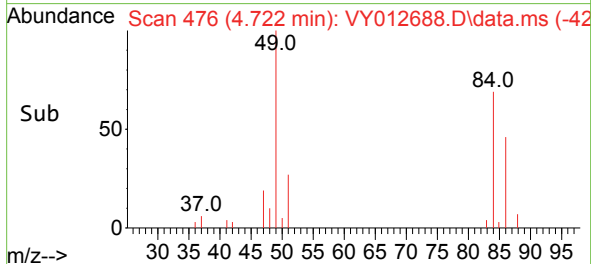
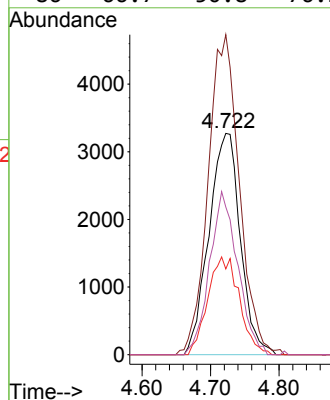
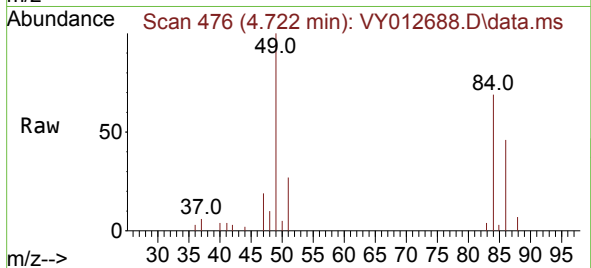
Ion Ratio Lower Upper

84 100

49 142.6 111.1 166.7

51 38.7 33.5 50.3

86 66.7 50.8 76.2



#31

Cyclohexane

Concen: 1.249 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012688.D

Acq: 22 Feb 2023 13:14

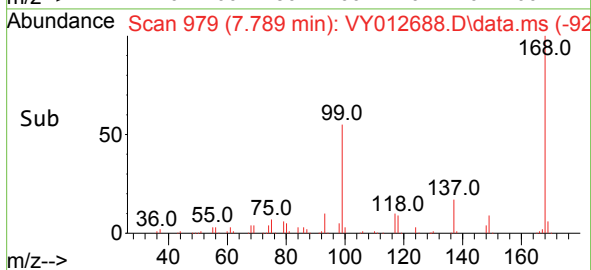
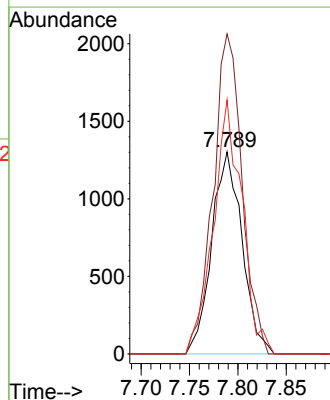
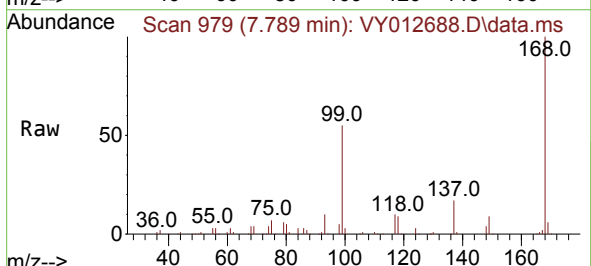
Tgt Ion: 56 Resp: 2838

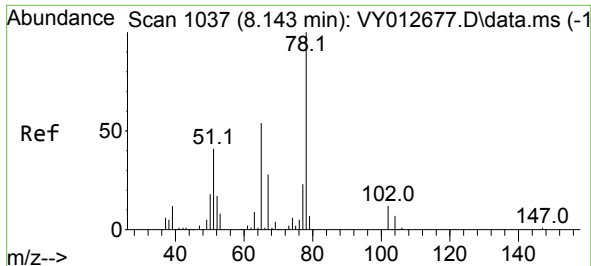
Ion Ratio Lower Upper

56 100

69 158.3 25.4 38.2#

84 125.7 67.3 100.9#





#33

1,2-Dichloroethane-d4

Concen: 57.453 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012688.D

Acq: 22 Feb 2023 13:14

Instrument :

MSVOA_Y

ClientSampleId :

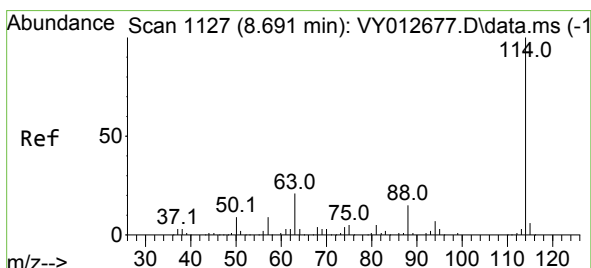
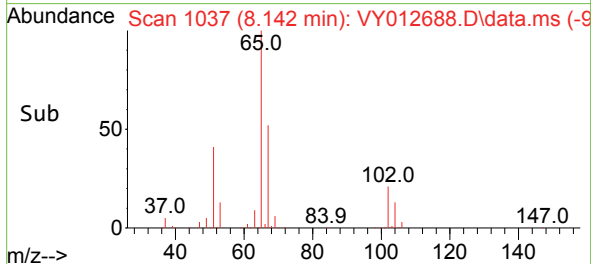
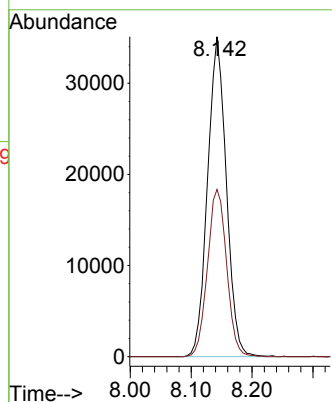
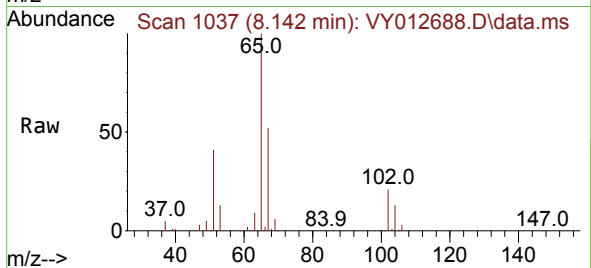
S-322-2

Tgt Ion: 65 Resp: 75141

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012688.D

Acq: 22 Feb 2023 13:14

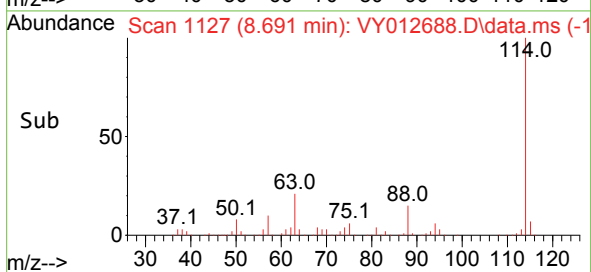
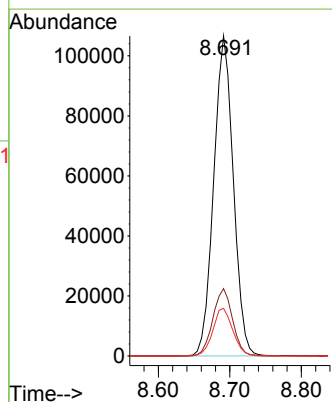
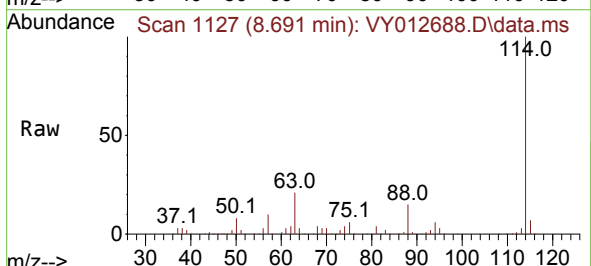
Tgt Ion: 114 Resp: 203119

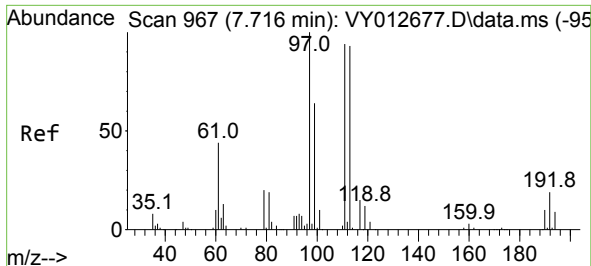
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.8

88 14.9 0.0 29.6

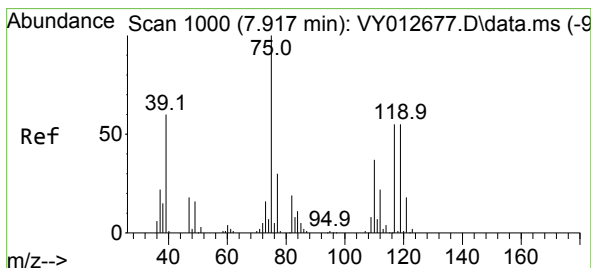
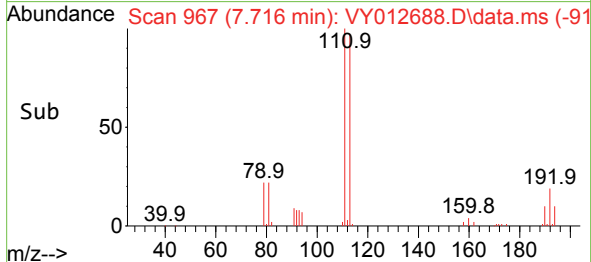
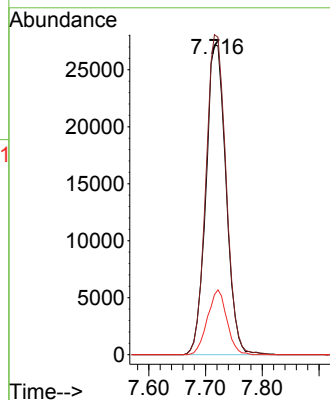
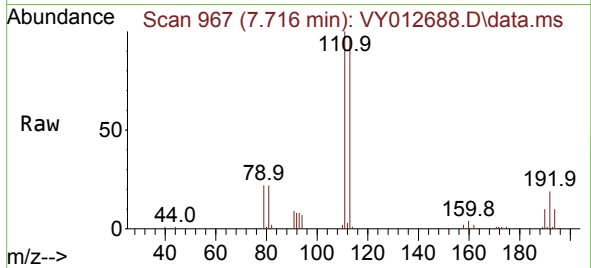




#35
Dibromofluoromethane
Concen: 48.822 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012688.D
Acq: 22 Feb 2023 13:14

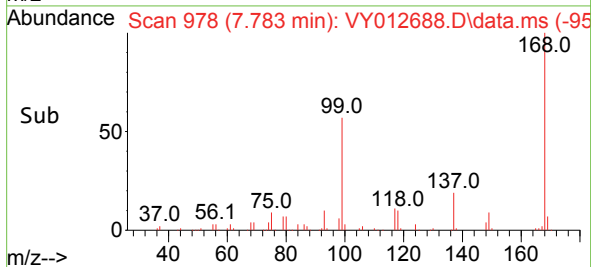
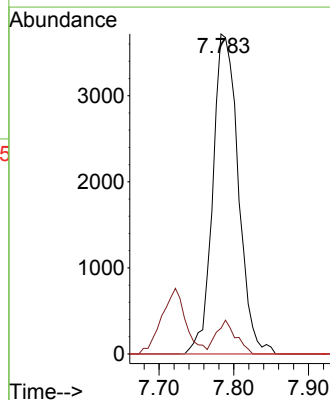
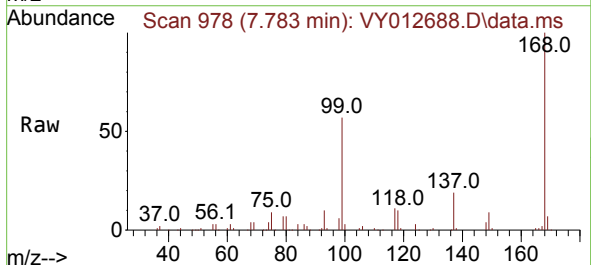
Instrument :
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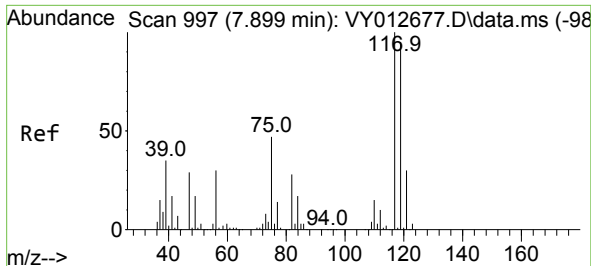
Tgt Ion:113 Resp: 66981
Ion Ratio Lower Upper
113 100
111 103.5 82.0 123.0
192 20.1 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.060 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012688.D
Acq: 22 Feb 2023 13:14

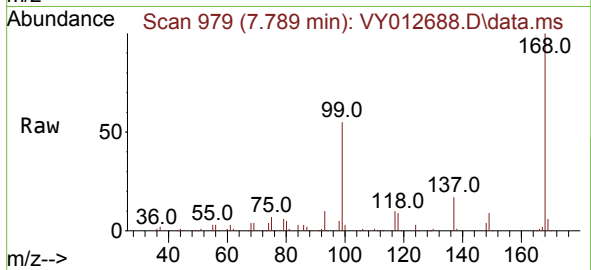
Tgt Ion: 75 Resp: 8829
Ion Ratio Lower Upper
75 100
110 8.1 17.6 52.8#
77 0.0 24.6 37.0#



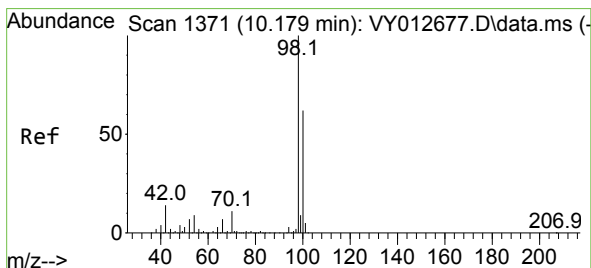
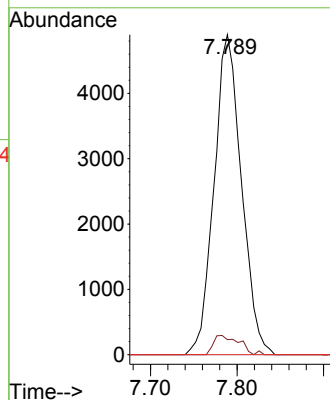
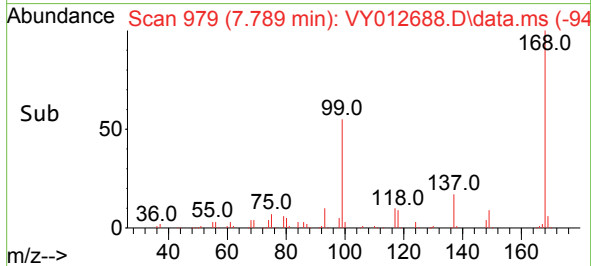


#38
Carbon Tetrachloride
Concen: 4.782 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012688.D
Acq: 22 Feb 2023 13:14

Instrument :
MSVOA_Y
ClientSampleId :
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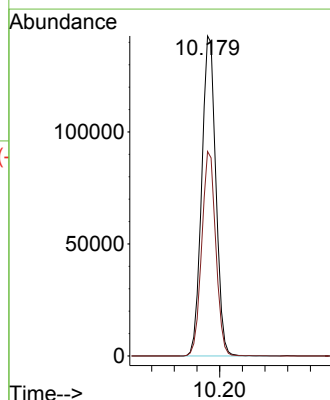
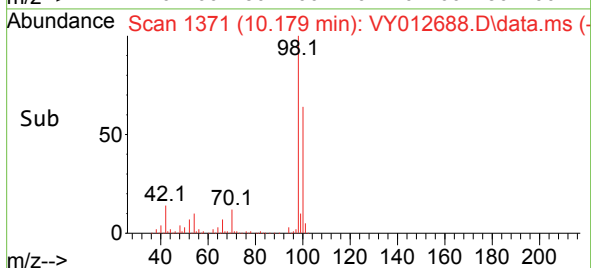
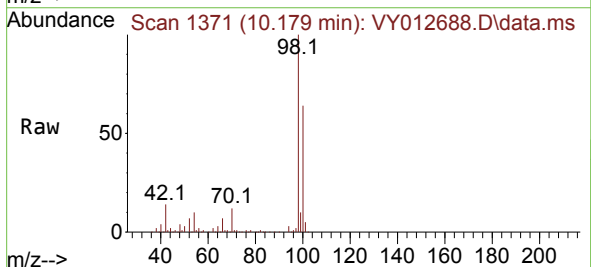


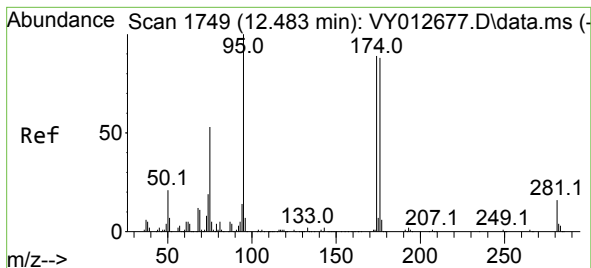
Tgt Ion:117 Resp: 10752
Ion Ratio Lower Upper
117 100
119 4.7 75.5 113.3#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 48.093 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012688.D
Acq: 22 Feb 2023 13:14

Tgt Ion: 98 Resp: 247191
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 50.547 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012688.D

Acq: 22 Feb 2023 13:14

Instrument :

MSVOA_Y

ClientSampleId :

S-322-2

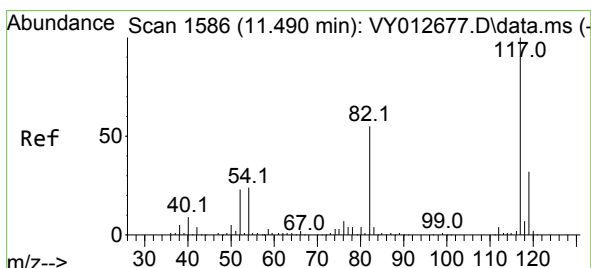
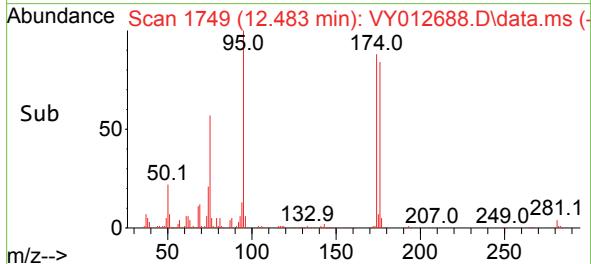
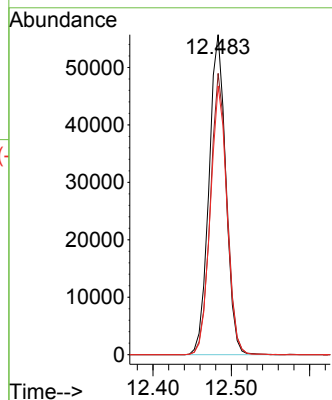
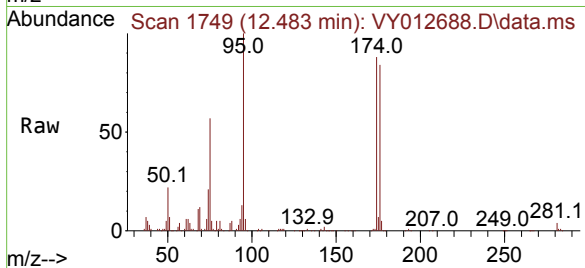
Tgt Ion: 95 Resp: 83139

Ion Ratio Lower Upper

95 100

174 86.9 0.0 172.8

176 83.1 0.0 169.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY012688.D

Acq: 22 Feb 2023 13:14

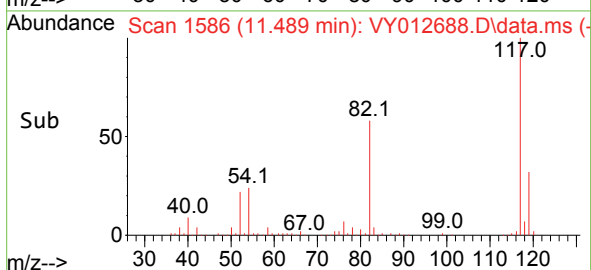
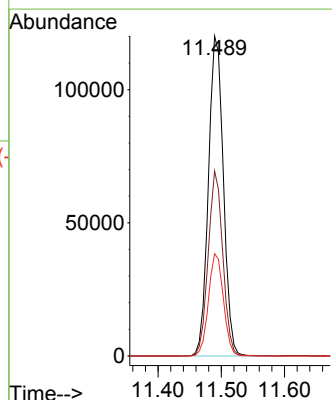
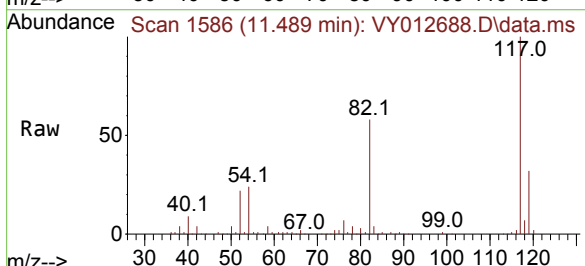
Tgt Ion: 117 Resp: 197813

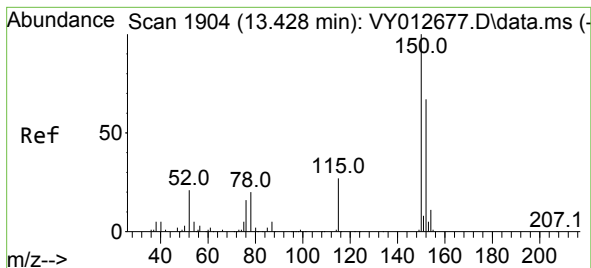
Ion Ratio Lower Upper

117 100

82 57.8 44.1 66.1

119 31.9 25.5 38.3

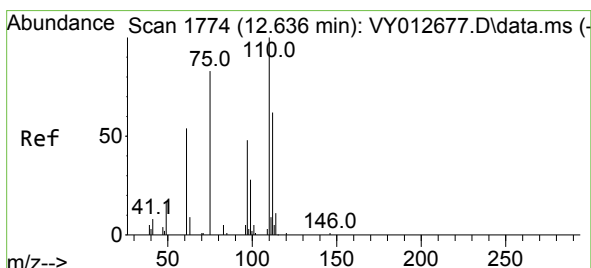
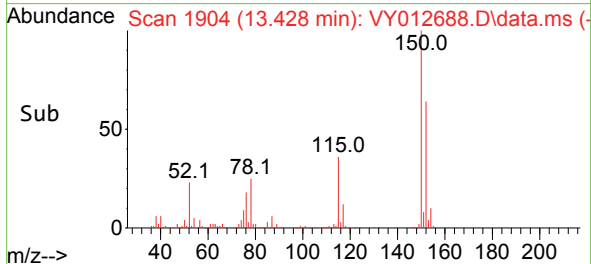
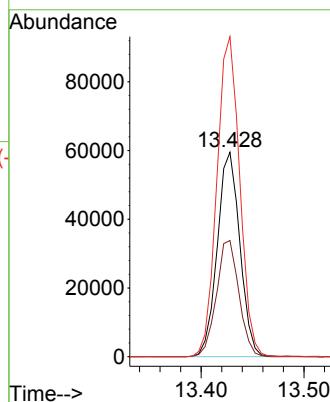
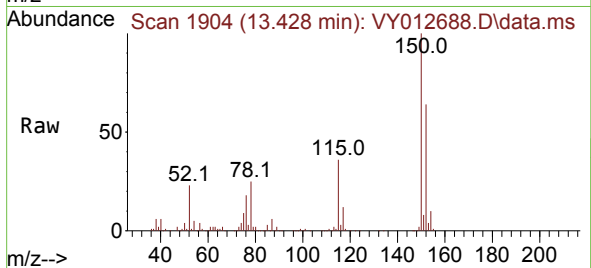




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012688.D
 Acq: 22 Feb 2023 13:14

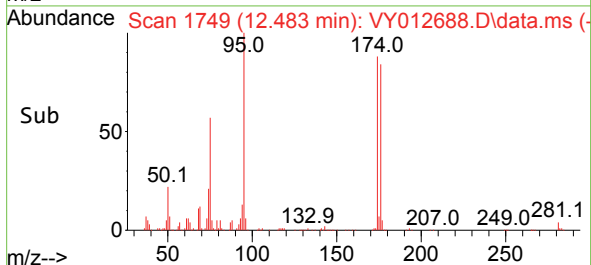
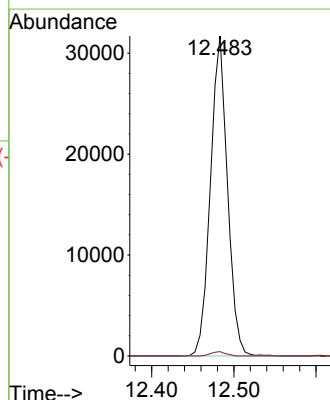
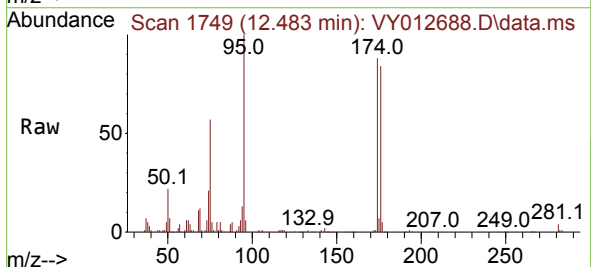
Instrument :
 MSVOA_Y
 ClientSampleId :
 S-322-2

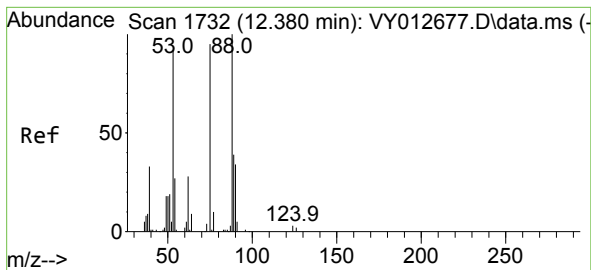
Tgt Ion:152 Resp: 90688
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.7 86.3
 150 158.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 40.374 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY012688.D
 Acq: 22 Feb 2023 13:14

Tgt Ion: 75 Resp: 45646
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.532 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY012688.D
 Acq: 22 Feb 2023 13:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-322-2

Tgt Ion: 75 Resp: 45646
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.4 120.6#
 89 0.0 36.5 54.7#

