

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012291.D
 Acq On : 20 Jan 2023 15:26
 Operator : KP/MD
 Sample : 01220-04
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-G

Quant Time: Jan 23 02:21:06 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	216748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	360168	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	350852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	164928	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	122222	69.569	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.140%
35) Dibromofluoromethane	7.716	113	110131	57.748	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.500%
50) Toluene-d8	10.179	98	428617	66.276	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	132.560%
62) 4-Bromofluorobenzene	12.483	95	147185	54.748	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.500%

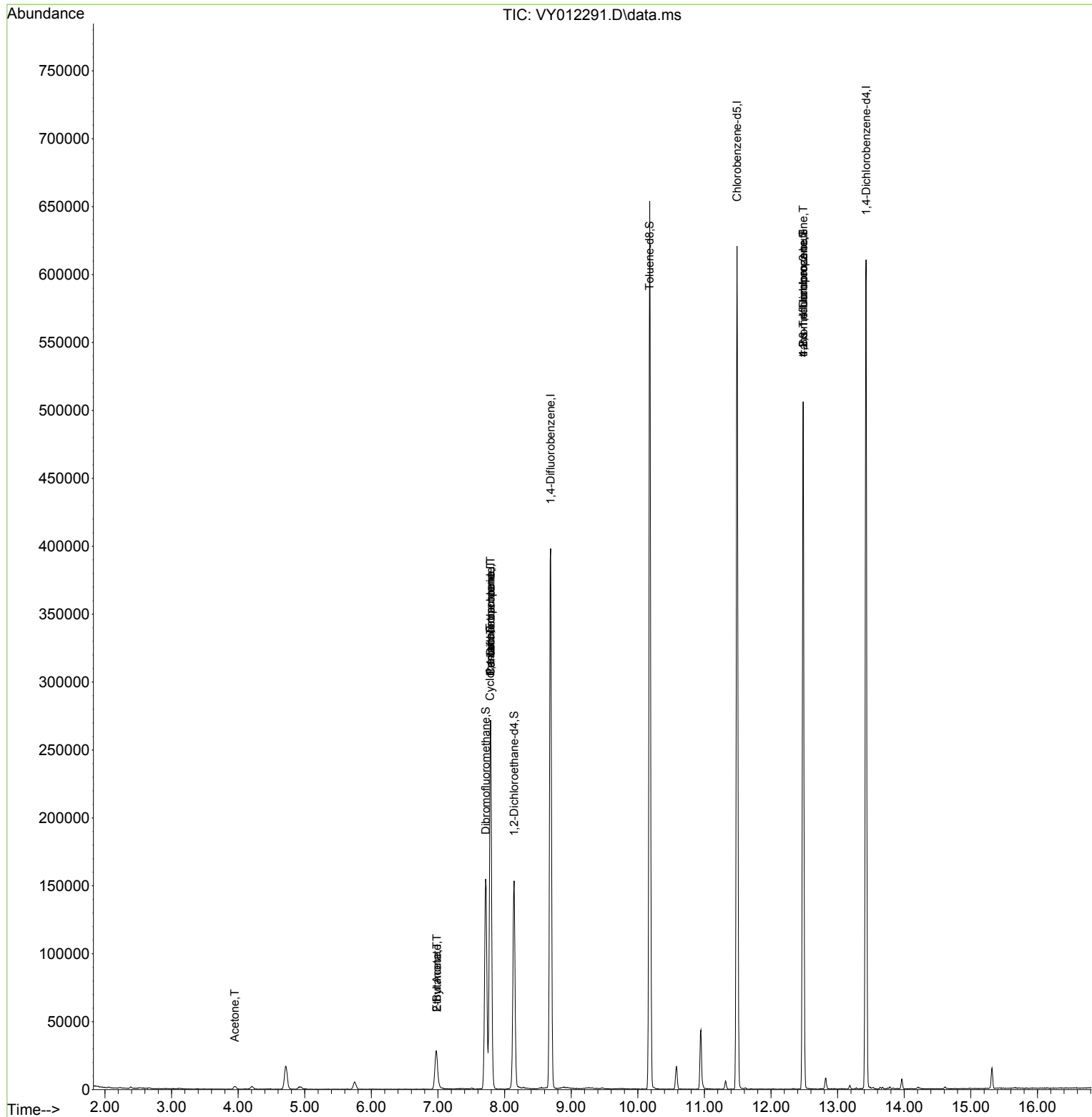
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.924	59	2228	Below Cal	#	74
16) Acetone	3.948	43	3879	6.427	ug/l	95
20) Methylene Chloride	4.710	84	14582	Below Cal		86
25) 2-Butanone	6.984	43	1995	2.994	ug/l	# 89
31) Cyclohexane	7.783	56	3713	1.175	ug/l	# 5
36) 1,1-Dichloropropene	7.789	75	14807	4.568	ug/l	# 50
37) Ethyl Acetate	6.984	43	1995	1.396	ug/l	# 11
38) Carbon Tetrachloride	7.789	117	20764	4.960	ug/l	# 19
76) 1,2,3-Trichloropropane	12.483	75	75725	49.932	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	75725	102.881	ug/l	# 13

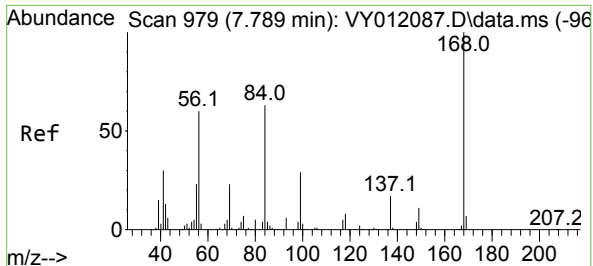
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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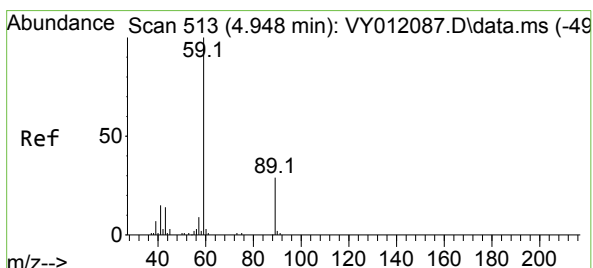
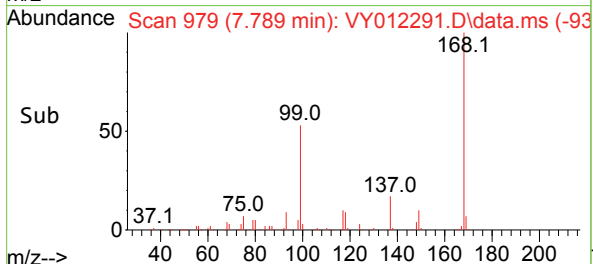
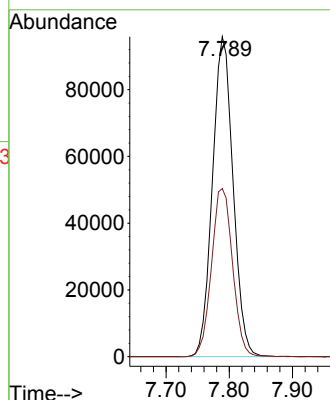
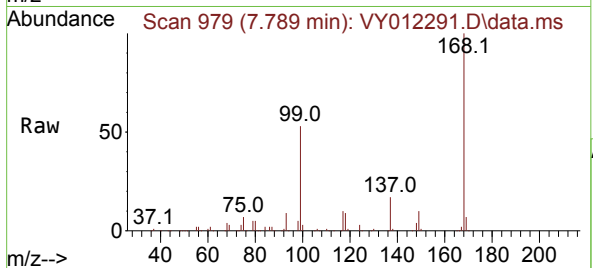




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012291.D
Acq: 20 Jan 2023 15:26

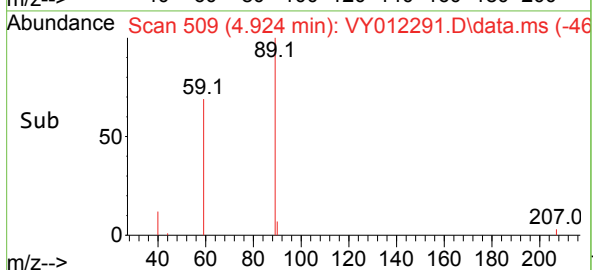
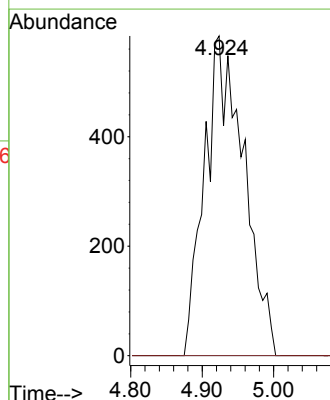
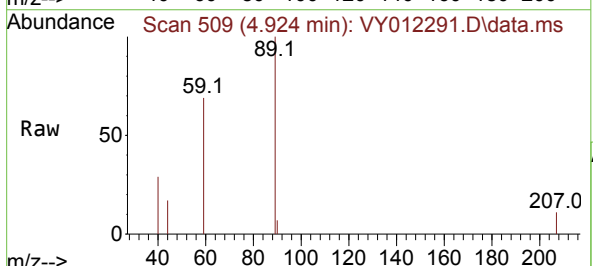
Instrument :
MSVOA_Y
ClientSampleId :
TP-G

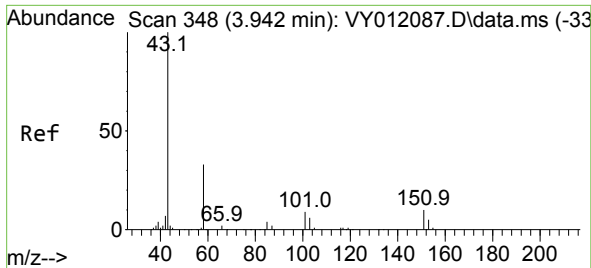
Tgt Ion:168 Resp: 216748
Ion Ratio Lower Upper
168 100
99 52.5 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY012291.D
Acq: 20 Jan 2023 15:26

Tgt Ion: 59 Resp: 2228
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 6.427 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012291.D

Acq: 20 Jan 2023 15:26

Instrument :

MSVOA_Y

ClientSampleId :

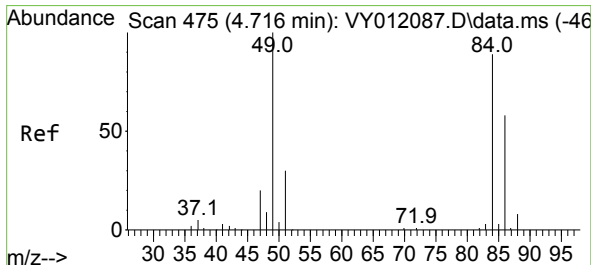
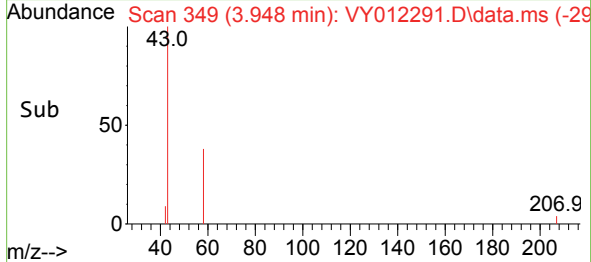
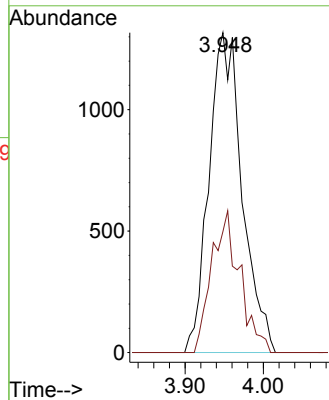
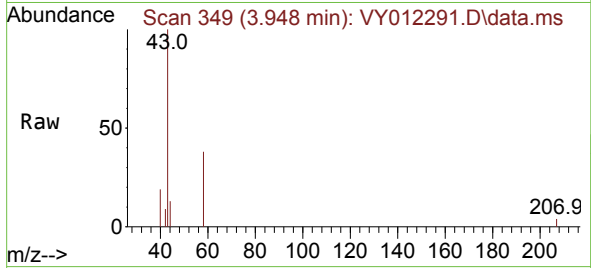
TP-G

Tgt Ion: 43 Resp: 3879

Ion Ratio Lower Upper

43 100

58 37.8 27.9 41.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012291.D

Acq: 20 Jan 2023 15:26

Tgt Ion: 84 Resp: 14582

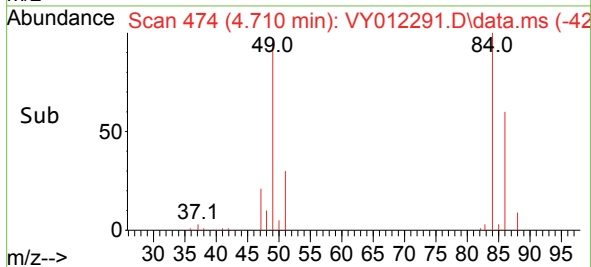
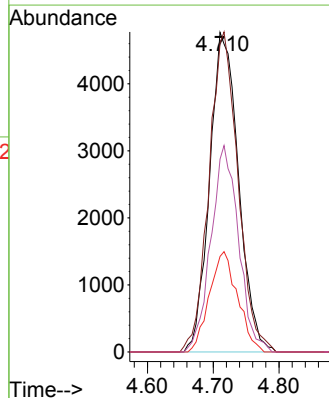
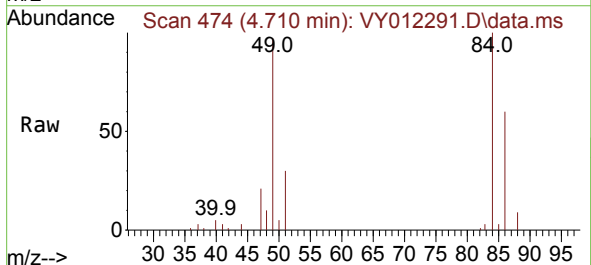
Ion Ratio Lower Upper

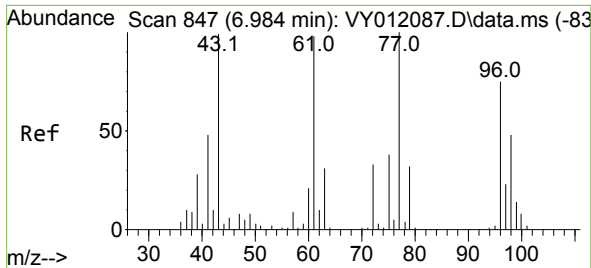
84 100

49 96.6 95.4 143.2

51 29.9 29.9 44.9

86 60.4 49.6 74.4

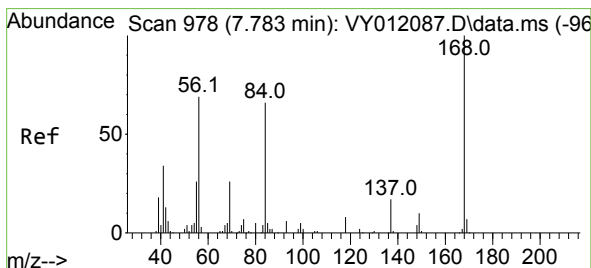
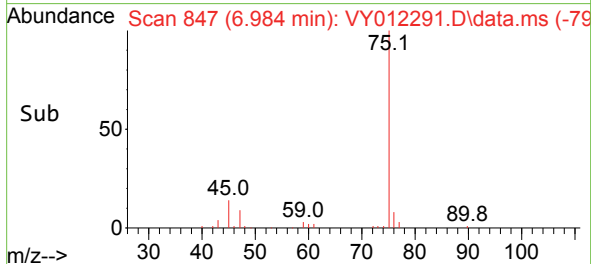
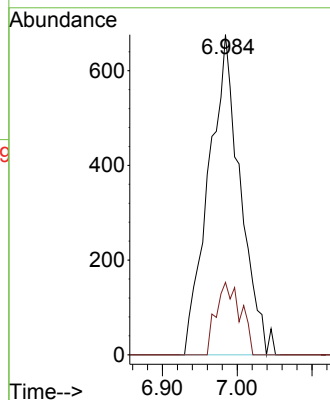
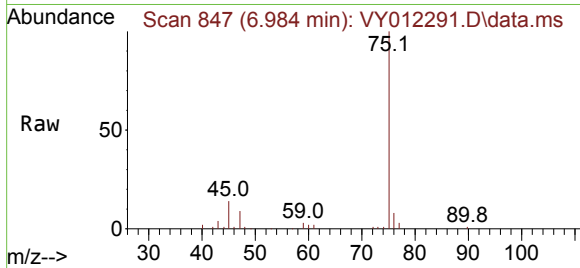




#25
2-Butanone
Concen: 2.994 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012291.D
Acq: 20 Jan 2023 15:26

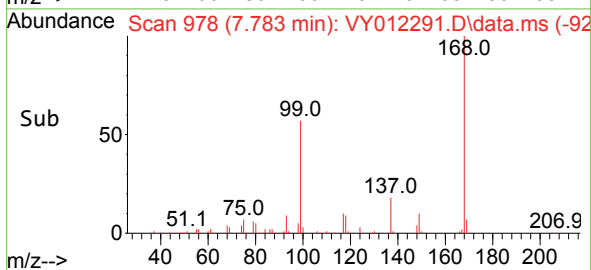
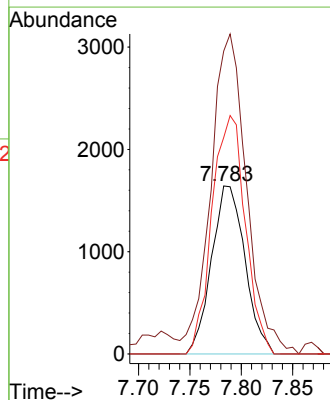
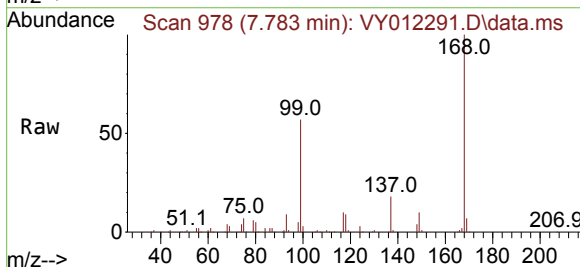
Instrument :
MSVOA_Y
ClientSampleId :
TP-G

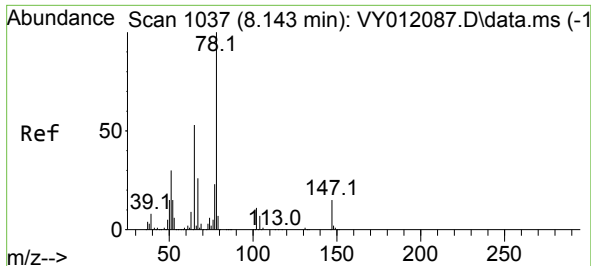
Tgt Ion: 43 Resp: 1995
Ion Ratio Lower Upper
43 100
72 22.6 22.6 34.0#



#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY012291.D
Acq: 20 Jan 2023 15:26

Tgt Ion: 56 Resp: 3713
Ion Ratio Lower Upper
56 100
69 172.9 29.2 43.8#
84 128.9 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 69.569 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012291.D

Acq: 20 Jan 2023 15:26

Instrument :

MSVOA_Y

ClientSampleId :

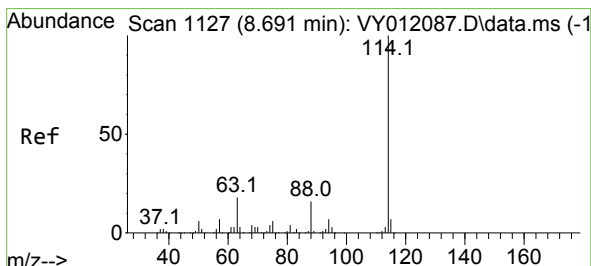
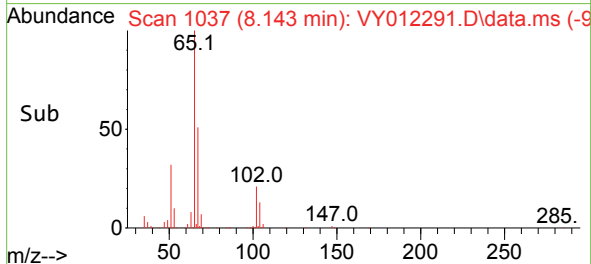
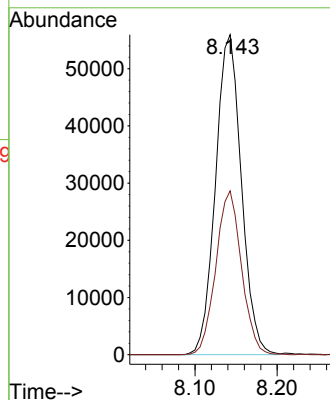
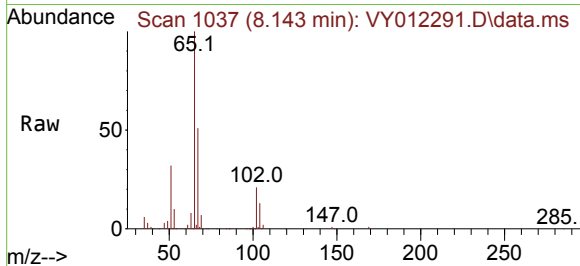
TP-G

Tgt Ion: 65 Resp: 122222

Ion Ratio Lower Upper

65 100

67 50.8 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: VY012291.D

Acq: 20 Jan 2023 15:26

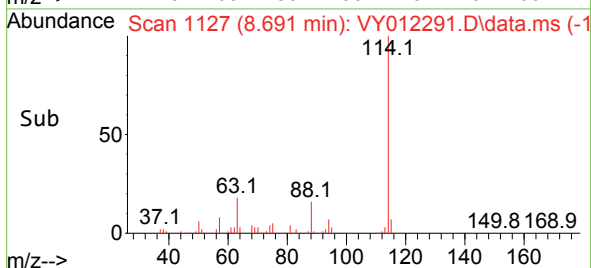
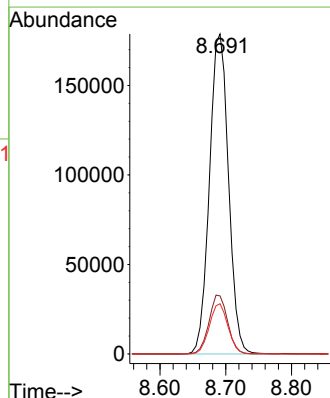
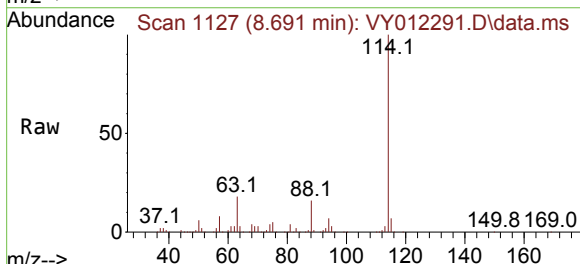
Tgt Ion: 114 Resp: 360168

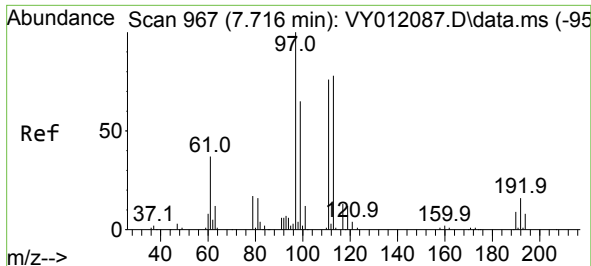
Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.7 0.0 32.2

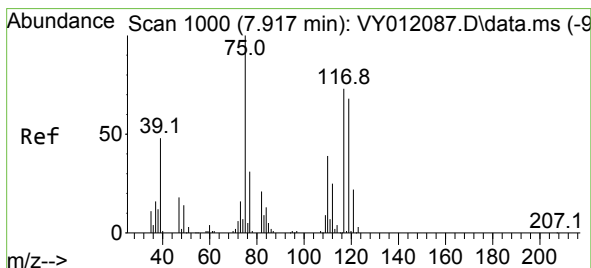
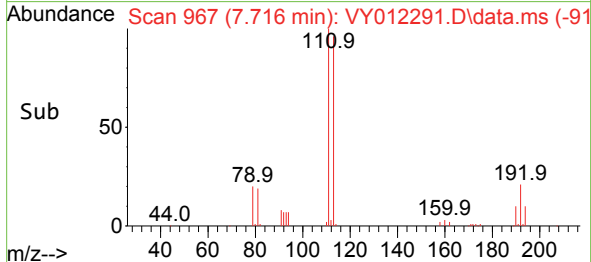
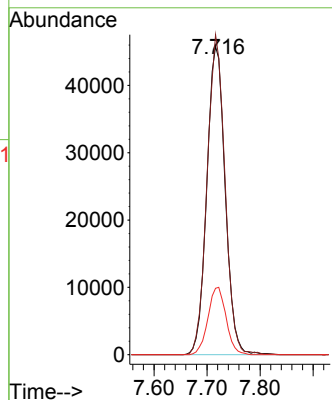
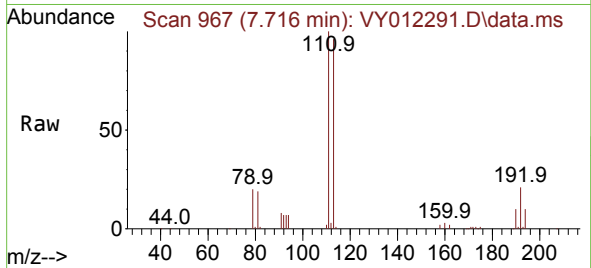




#35
 Dibromofluoromethane
 Concen: 57.748 ug/l
 RT: 7.716 min Scan# 910
 Delta R.T. -0.000 min
 Lab File: VY012291.D
 Acq: 20 Jan 2023 15:26

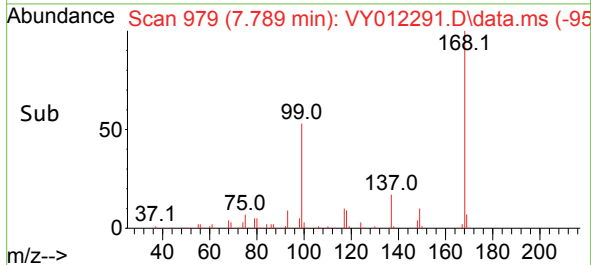
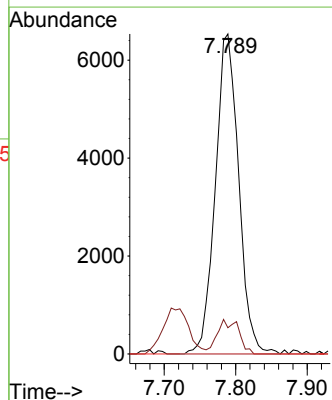
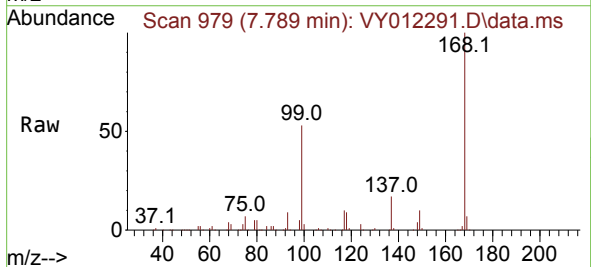
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-G

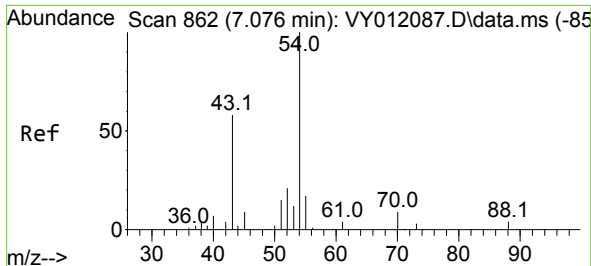
Tgt Ion:113 Resp: 110131
 Ion Ratio Lower Upper
 113 100
 111 101.1 83.0 124.4
 192 21.6 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 4.568 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.128 min
 Lab File: VY012291.D
 Acq: 20 Jan 2023 15:26

Tgt Ion: 75 Resp: 14807
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.1 54.1#
 77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.396 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY012291.D

Acq: 20 Jan 2023 15:26

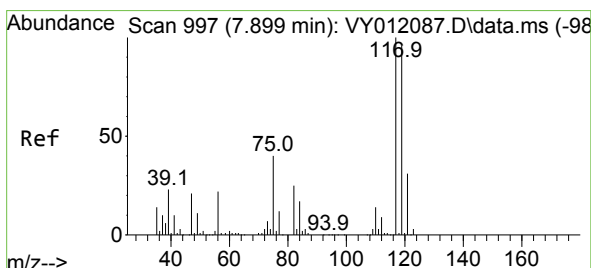
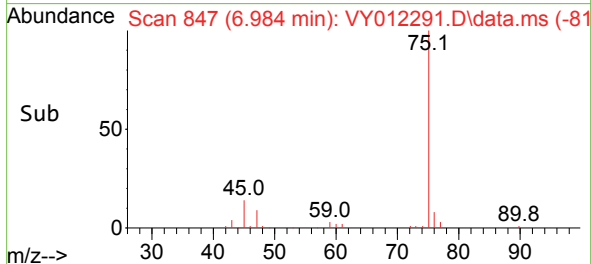
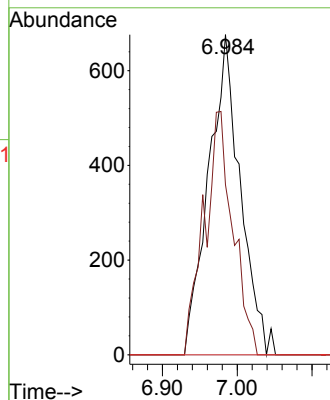
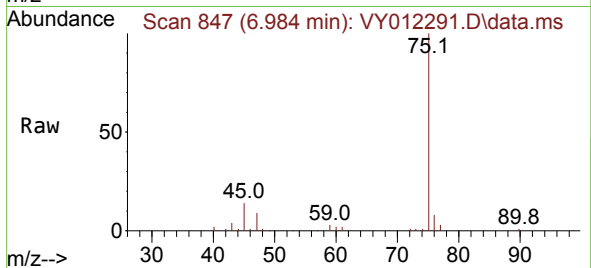
Instrument :

MSVOA_Y

ClientSampleId :

TP-G

Tgt Ion:	43	Resp:	1995
Ion	Ratio	Lower	Upper
43	100		
61	68.7	11.3	16.9#
70	0.0	8.2	12.4#



#38

Carbon Tetrachloride

Concen: 4.960 ug/l

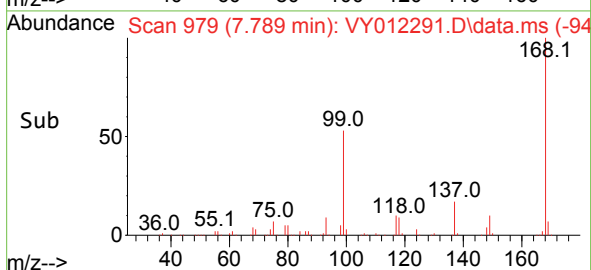
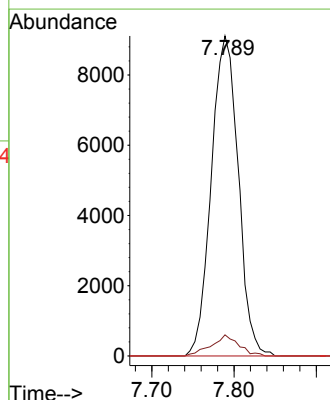
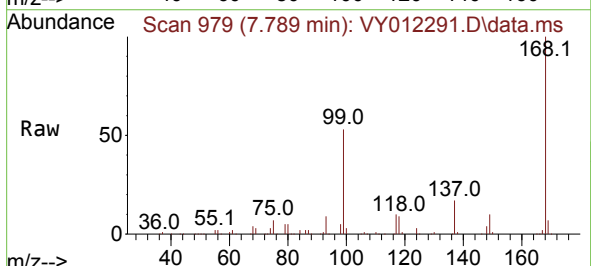
RT: 7.789 min Scan# 979

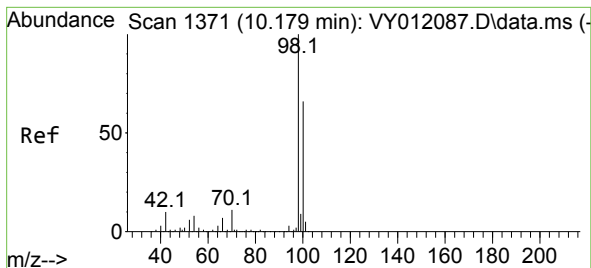
Delta R.T. -0.110 min

Lab File: VY012291.D

Acq: 20 Jan 2023 15:26

Tgt Ion:	117	Resp:	20764
Ion	Ratio	Lower	Upper
117	100		
119	6.6	73.8	110.8#
121	0.0	25.2	37.8#

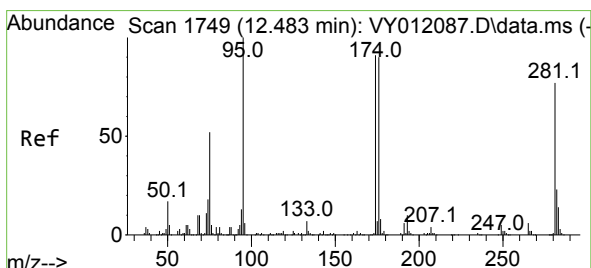
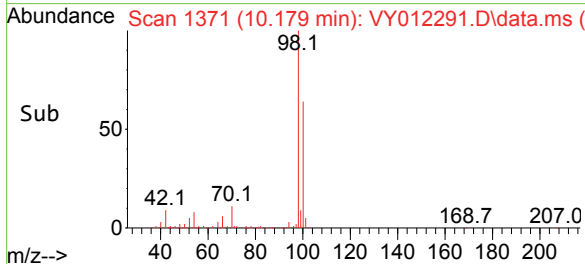
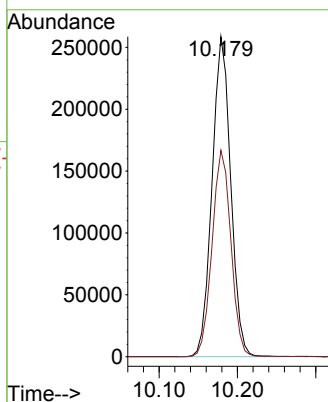
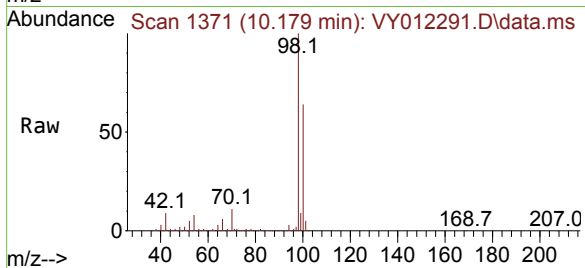




#50
Toluene-d8
Concen: 66.276 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012291.D
Acq: 20 Jan 2023 15:26

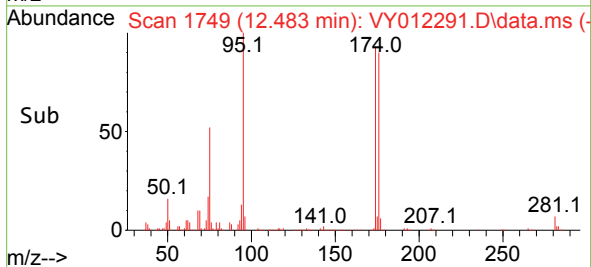
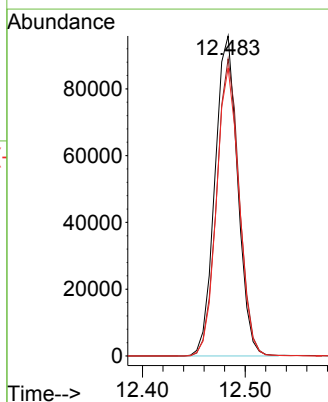
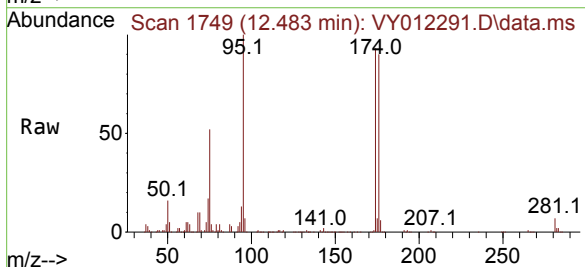
Instrument :
MSVOA_Y
ClientSampleId :
TP-G

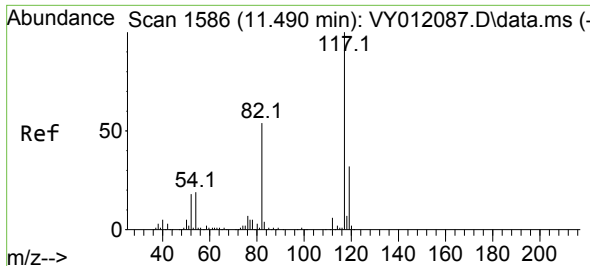
Tgt Ion: 98 Resp: 428617
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 54.748 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012291.D
Acq: 20 Jan 2023 15:26

Tgt Ion: 95 Resp: 147185
Ion Ratio Lower Upper
95 100
174 92.6 0.0 172.0
176 89.6 0.0 167.6

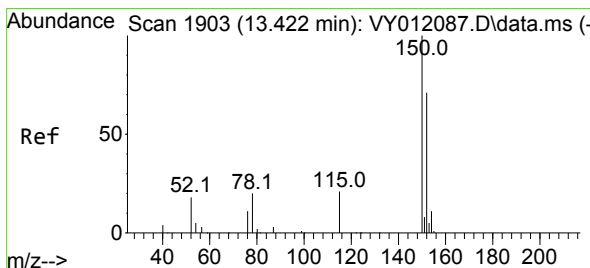
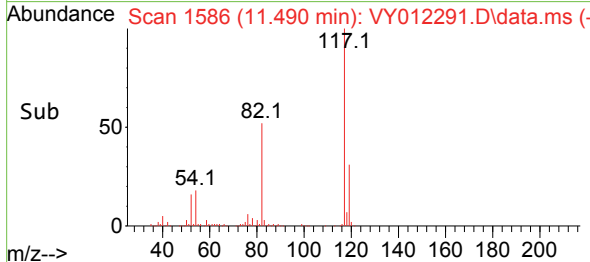
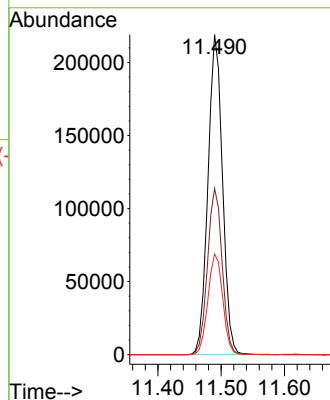
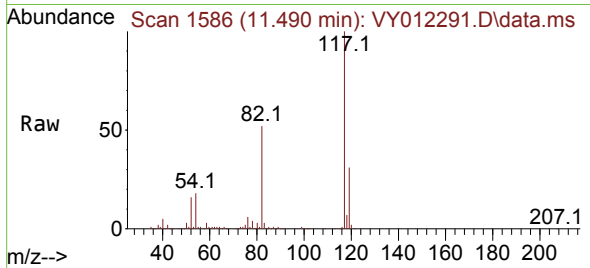




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012291.D
Acq: 20 Jan 2023 15:26

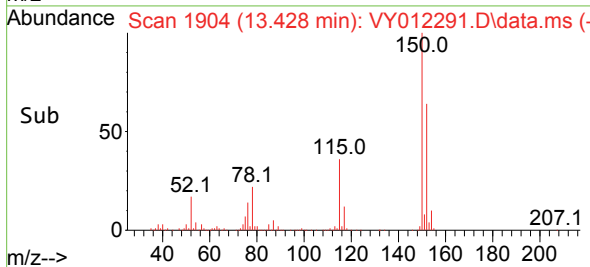
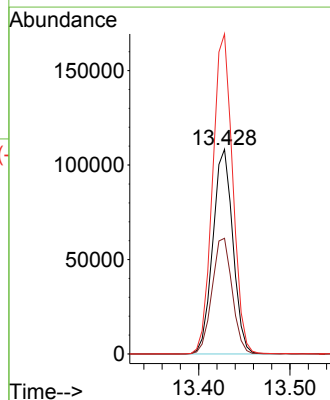
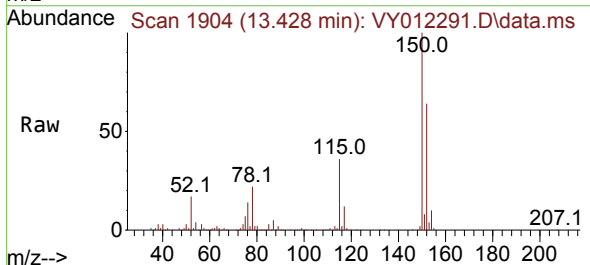
Instrument :
MSVOA_Y
ClientSampleId :
TP-G

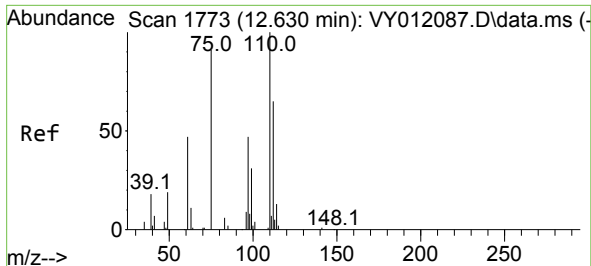
Tgt Ion:117 Resp: 350852
Ion Ratio Lower Upper
117 100
82 51.9 44.8 67.2
119 31.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012291.D
Acq: 20 Jan 2023 15:26

Tgt Ion:152 Resp: 164928
Ion Ratio Lower Upper
152 100
115 57.0 29.1 87.3
150 156.3 0.0 342.6

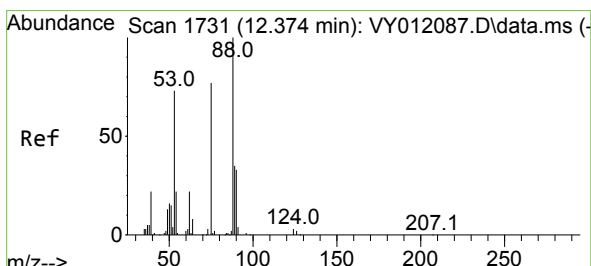
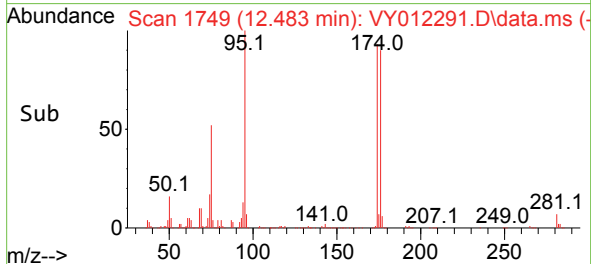
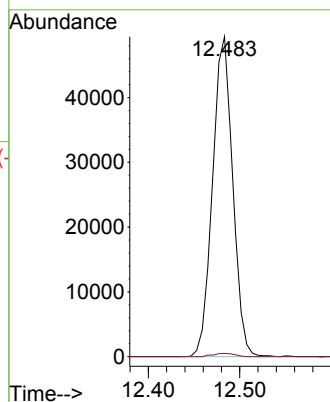
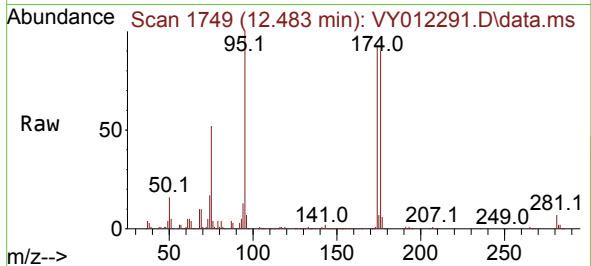




#76
1,2,3-Trichloropropane
Concen: 49.932 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012291.D
Acq: 20 Jan 2023 15:26

Instrument :
MSVOA_Y
ClientSampleId :
TP-G

Tgt Ion: 75 Resp: 75725
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.881 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012291.D
Acq: 20 Jan 2023 15:26

Tgt Ion: 75 Resp: 75725
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

