

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022223\
 Data File : VY012693.D
 Acq On : 22 Feb 2023 20:47
 Operator : KP/MD
 Sample : 01640-02RE
 Misc : 3.66g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Quant Time: Feb 22 21:44:17 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	7.795	168	124196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	227362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	195121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	68255	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	83165	56.698	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.400%
35) Dibromofluoromethane	7.722	113	75473	49.146	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.300%
50) Toluene-d8	10.185	98	271657	47.218	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.440%
62) 4-Bromofluorobenzene	12.483	95	71766	38.980	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	77.960%

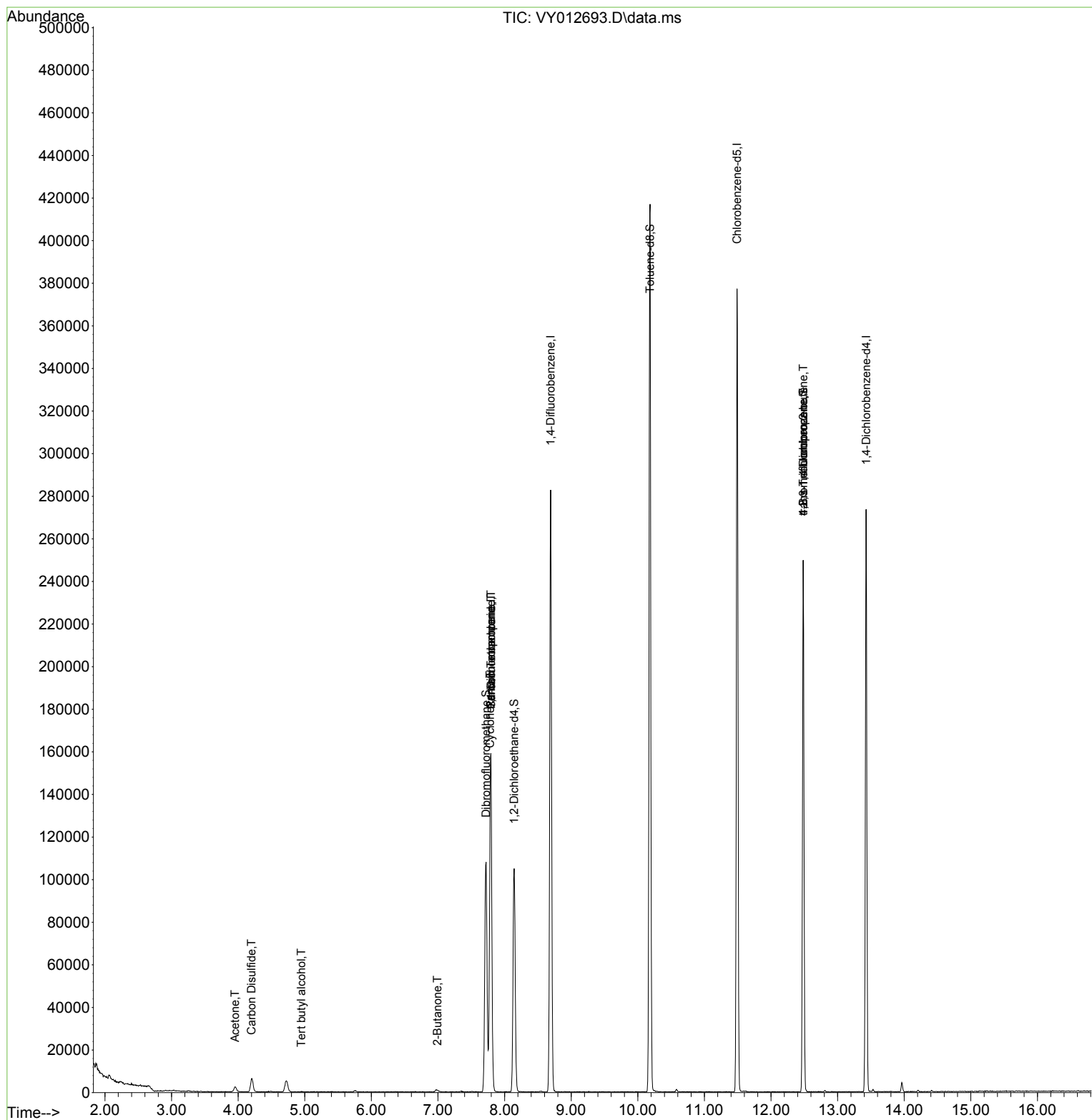
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.119	50	721	Below Cal	#	87
11) Tert butyl alcohol	4.948	59	218	1.359	ug/l #	74
16) Acetone	3.954	43	4359	9.107	ug/l	99
17) Carbon Disulfide	4.198	76	12224	2.769	ug/l #	94
20) Methylene Chloride	4.722	84	3916	Below Cal		94
25) 2-Butanone	6.990	43	841	1.324	ug/l #	52
31) Cyclohexane	7.783	56	2907	1.141	ug/l #	24
36) 1,1-Dichloropropene	7.795	75	10181	4.183	ug/l #	50
38) Carbon Tetrachloride	7.795	117	12569	4.994	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	37962	44.613	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	37962	94.513	ug/l #	9

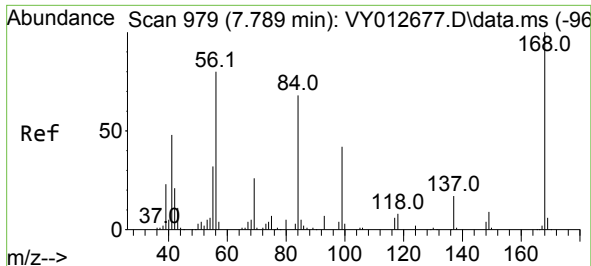
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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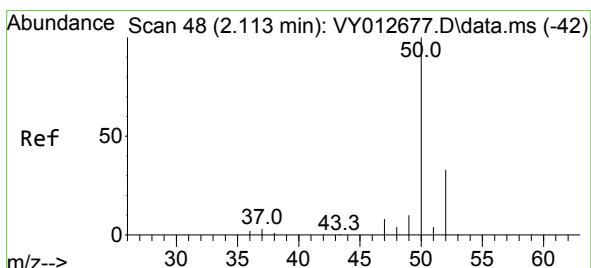
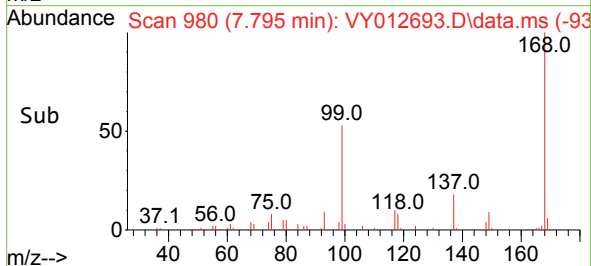
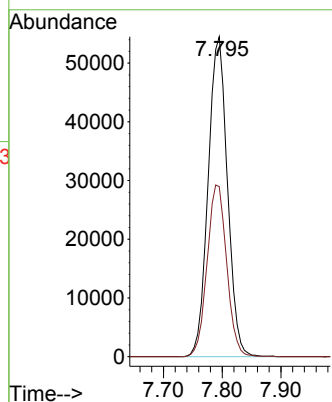
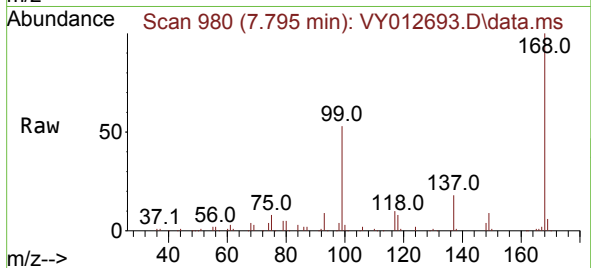




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY012693.D
Acq: 22 Feb 2023 20:47

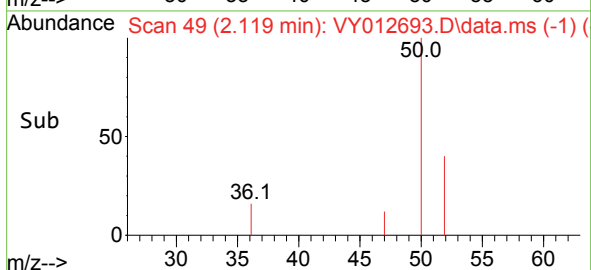
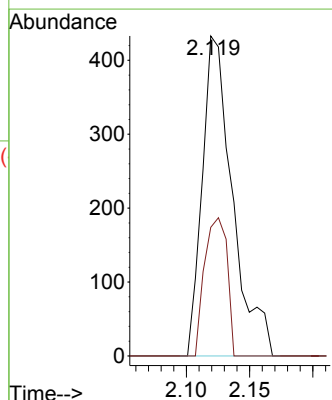
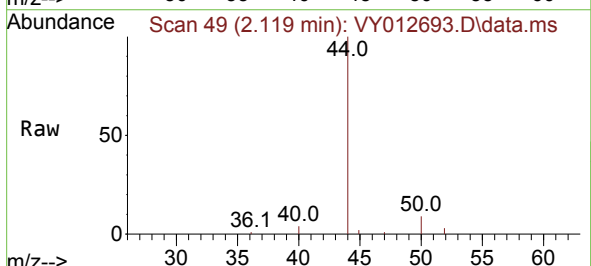
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

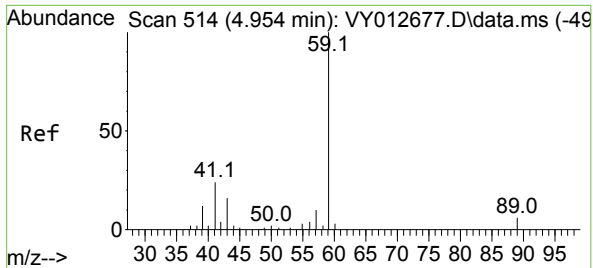
Tgt Ion:168 Resp: 124196
Ion Ratio Lower Upper
168 100
99 53.2 45.4 68.2



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012693.D
Acq: 22 Feb 2023 20:47

Tgt Ion: 50 Resp: 721
Ion Ratio Lower Upper
50 100
52 40.2 26.1 39.1#

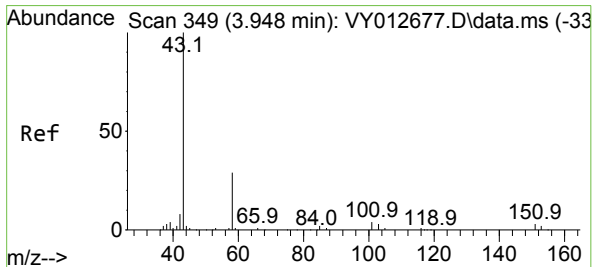
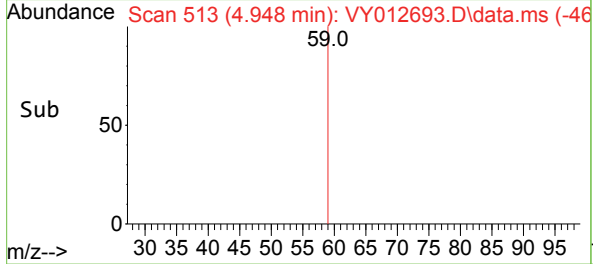
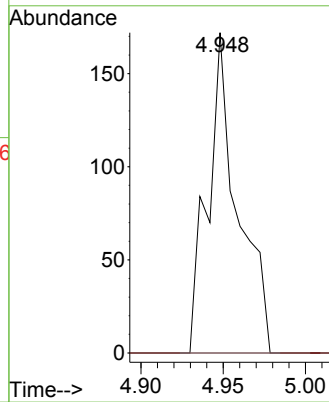
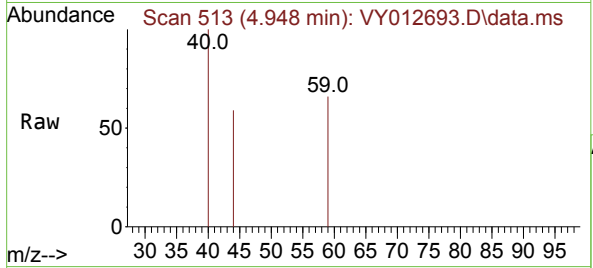




#11
Tert butyl alcohol
Concen: 1.359 ug/l
RT: 4.948 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY012693.D
Acq: 22 Feb 2023 20:47

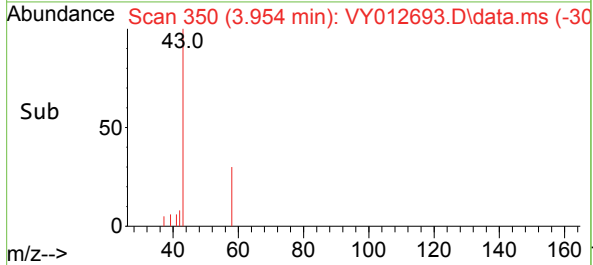
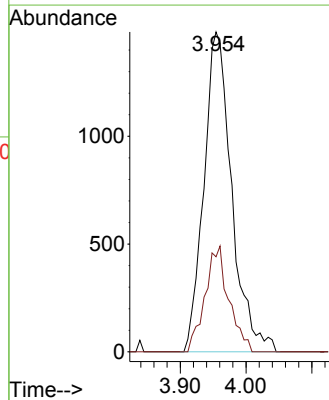
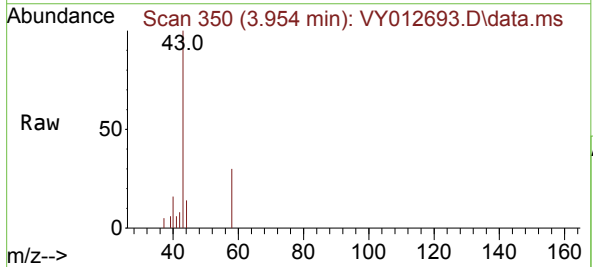
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

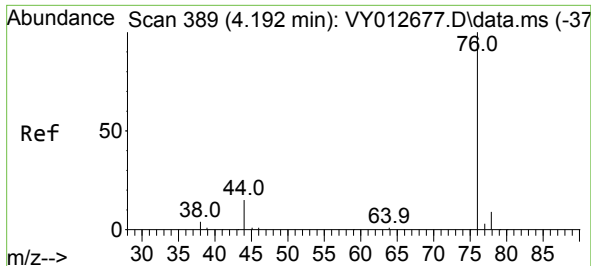
Tgt Ion: 59 Resp: 218
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#16
Acetone
Concen: 9.107 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY012693.D
Acq: 22 Feb 2023 20:47

Tgt Ion: 43 Resp: 4359
Ion Ratio Lower Upper
43 100
58 29.7 23.3 34.9





#17

Carbon Disulfide

Concen: 2.769 ug/l

RT: 4.198 min Scan# 389

Delta R.T. 0.006 min

Lab File: VY012693.D

Acq: 22 Feb 2023 20:47

Instrument :

MSVOA_Y

ClientSampleId :

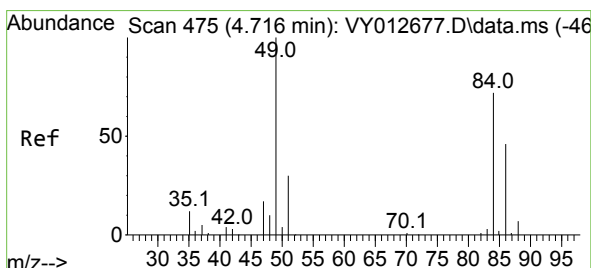
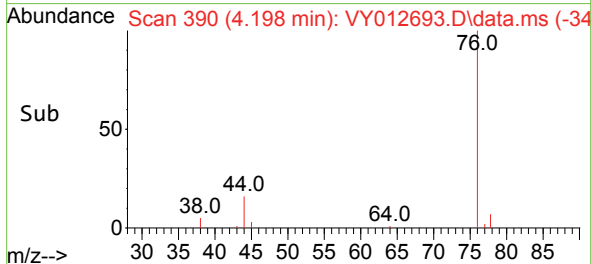
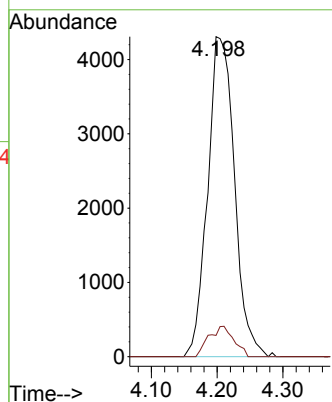
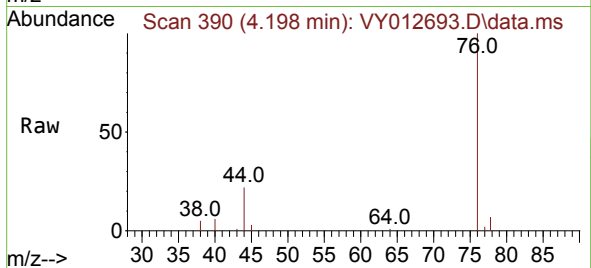
TP-2

Tgt Ion: 76 Resp: 12224

Ion Ratio Lower Upper

76 100

78 6.7 7.1 10.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY012693.D

Acq: 22 Feb 2023 20:47

Tgt Ion: 84 Resp: 3916

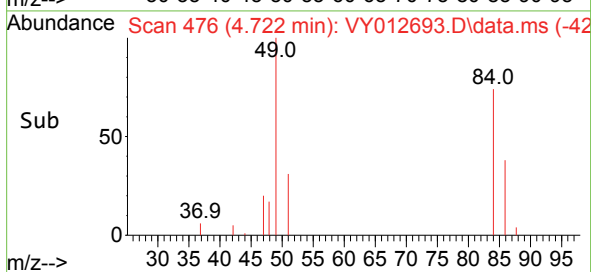
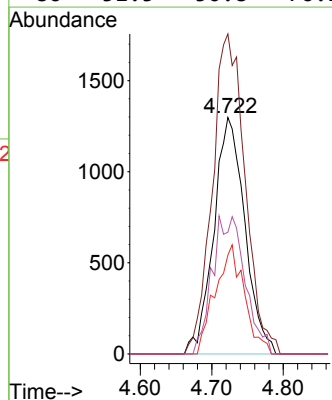
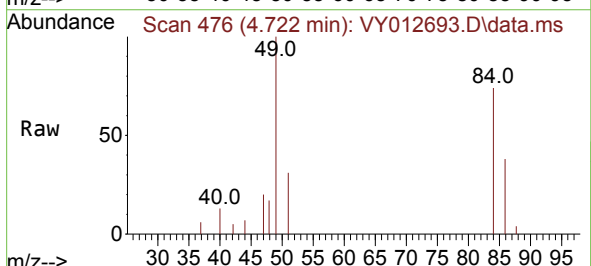
Ion Ratio Lower Upper

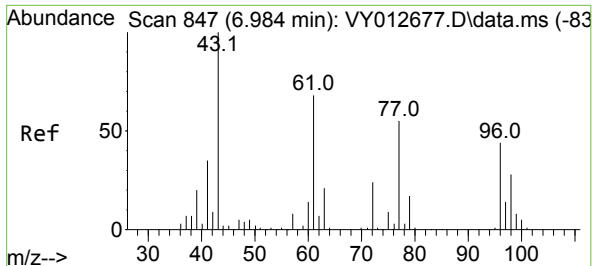
84 100

49 135.3 111.1 166.7

51 41.8 33.5 50.3

86 51.5 50.8 76.2





#25

2-Butanone

Concen: 1.324 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012693.D

Acq: 22 Feb 2023 20:47

Instrument :

MSVOA_Y

ClientSampleId :

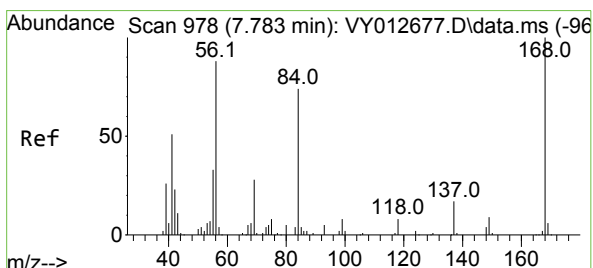
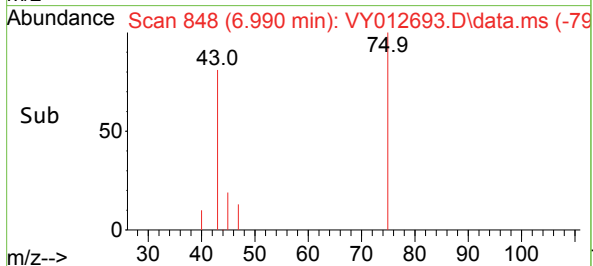
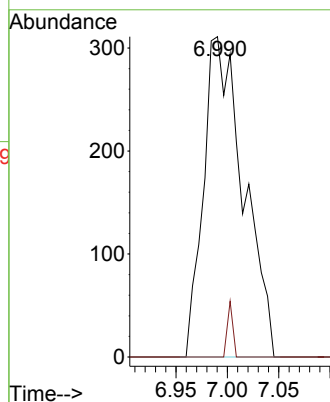
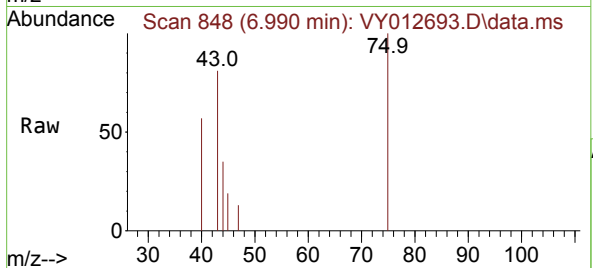
TP-2

Tgt Ion: 43 Resp: 841

Ion Ratio Lower Upper

43 100

72 0.0 18.8 28.2#



#31

Cyclohexane

Concen: 1.141 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012693.D

Acq: 22 Feb 2023 20:47

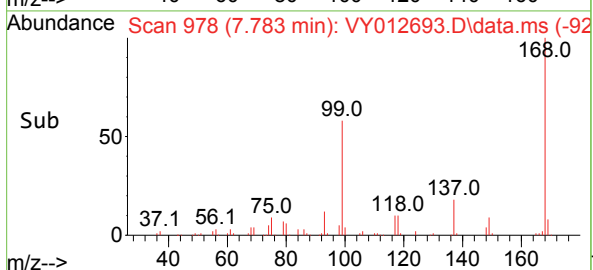
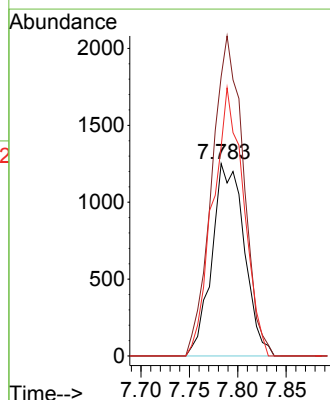
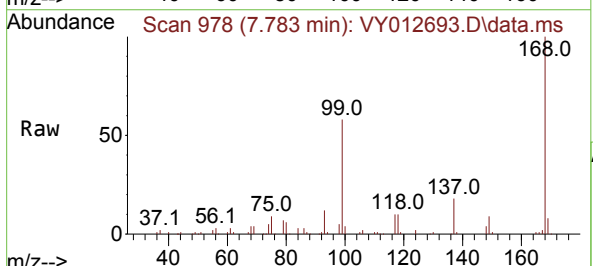
Tgt Ion: 56 Resp: 2907

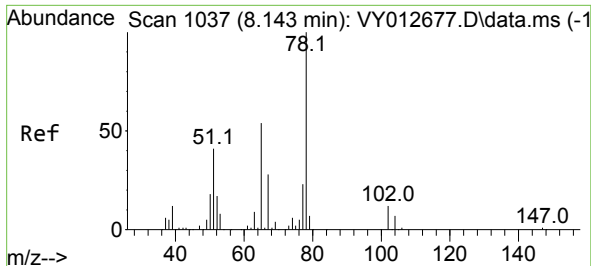
Ion Ratio Lower Upper

56 100

69 145.2 25.4 38.2#

84 108.8 67.3 100.9#

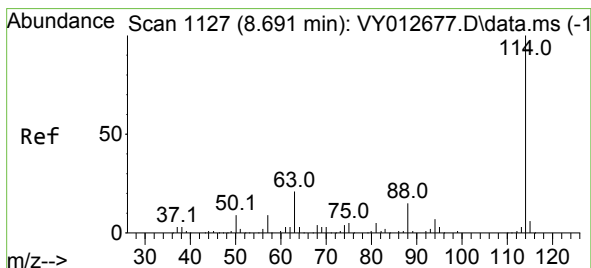
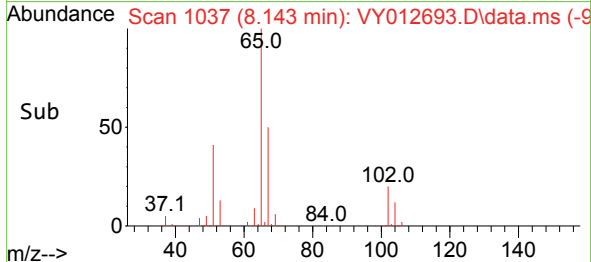
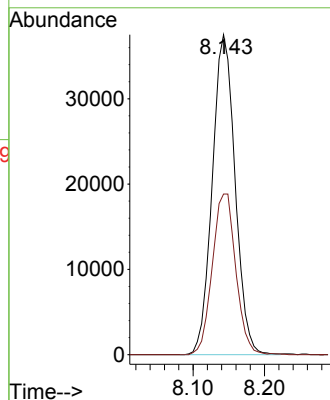
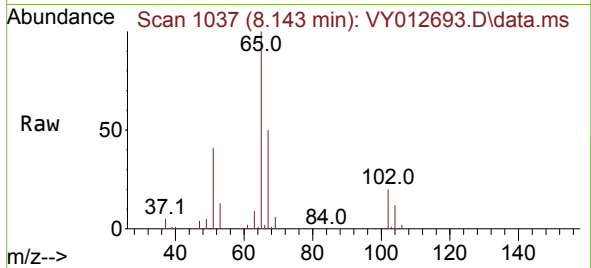




#33
1,2-Dichloroethane-d4
Concen: 56.698 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012693.D
Acq: 22 Feb 2023 20:47

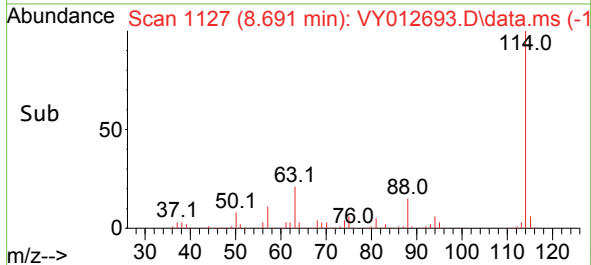
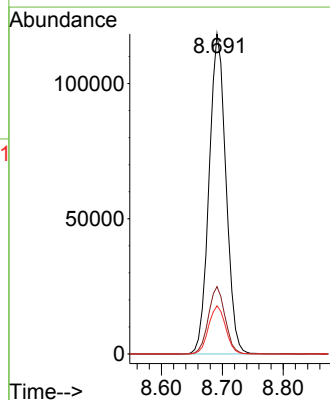
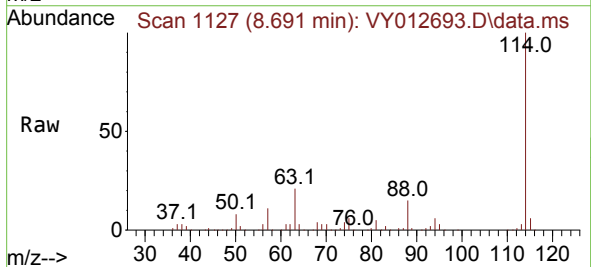
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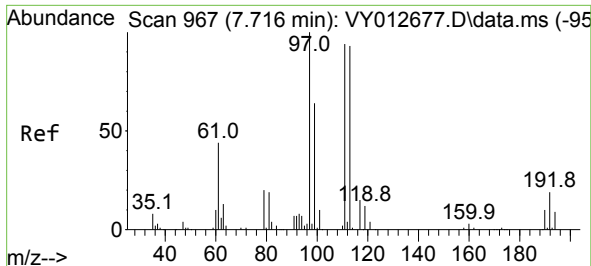
Tgt Ion: 65 Resp: 83165
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012693.D
Acq: 22 Feb 2023 20:47

Tgt Ion: 114 Resp: 227362
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.8
88 15.1 0.0 29.6

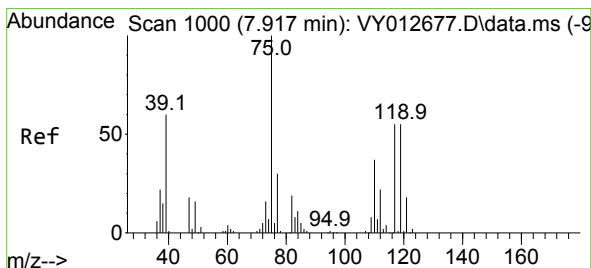
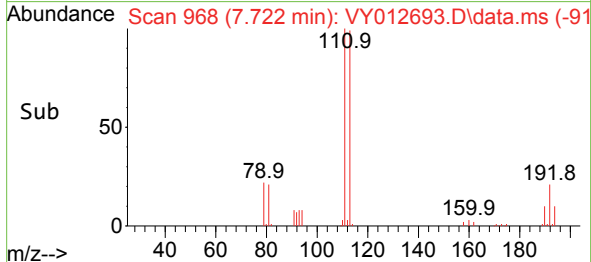
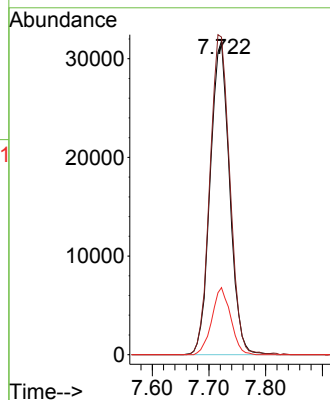
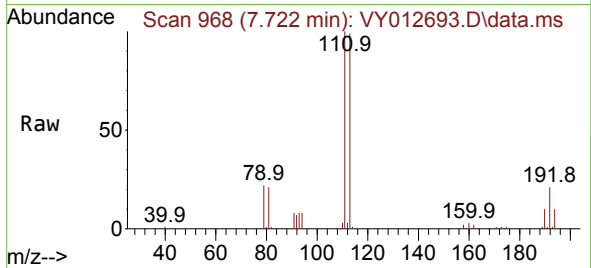




#35
Dibromofluoromethane
Concen: 49.146 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY012693.D
Acq: 22 Feb 2023 20:47

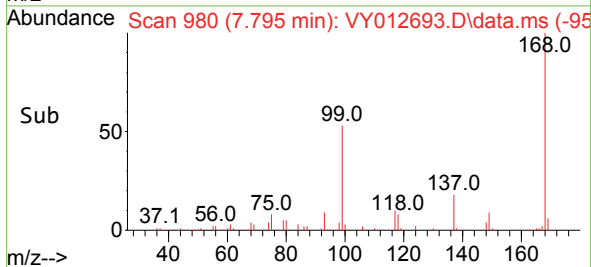
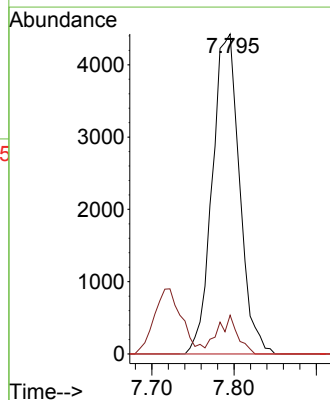
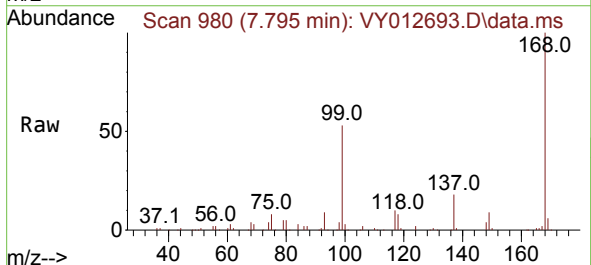
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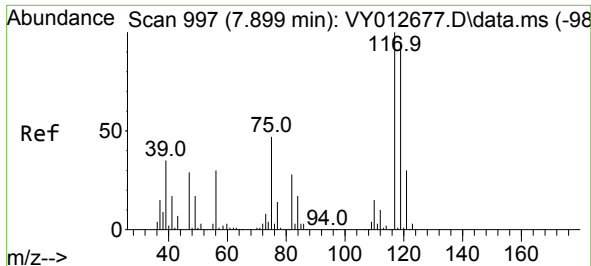
Tgt Ion:113 Resp: 75473
Ion Ratio Lower Upper
113 100
111 104.8 82.0 123.0
192 20.7 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.183 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY012693.D
Acq: 22 Feb 2023 20:47

Tgt Ion: 75 Resp: 10181
Ion Ratio Lower Upper
75 100
110 8.8 17.6 52.8#
77 0.0 24.6 37.0#

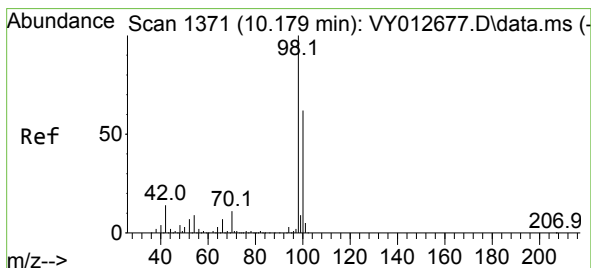
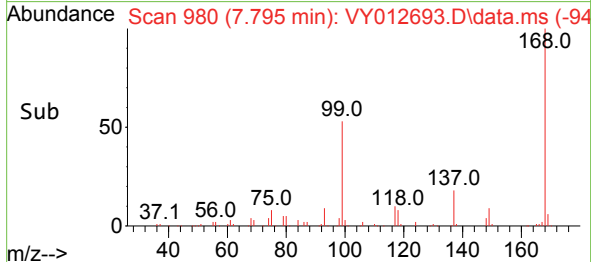
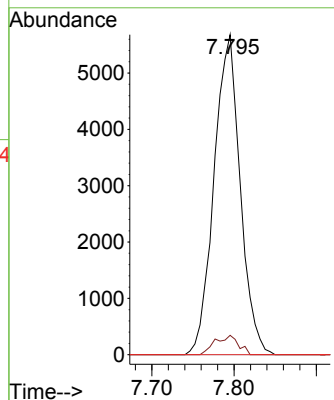
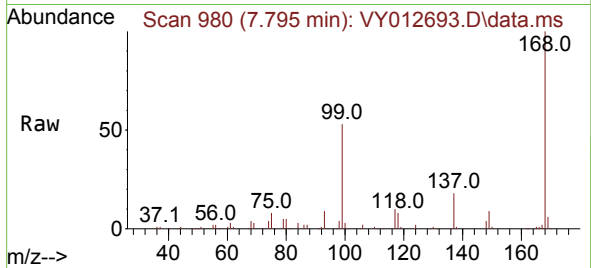




#38
Carbon Tetrachloride
Concen: 4.994 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY012693.D
Acq: 22 Feb 2023 20:47

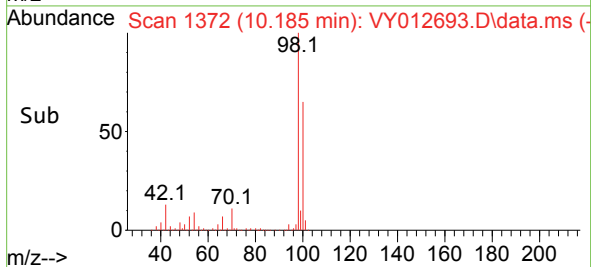
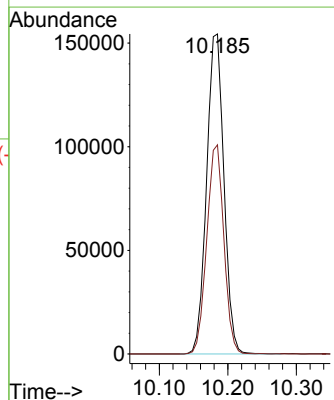
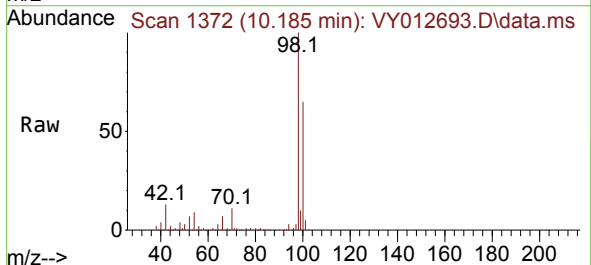
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

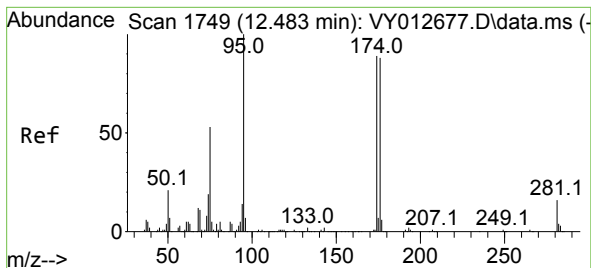
Tgt Ion:117 Resp: 12569
Ion Ratio Lower Upper
117 100
119 6.1 75.5 113.3#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 47.218 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY012693.D
Acq: 22 Feb 2023 20:47

Tgt Ion: 98 Resp: 271657
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 38.980 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012693.D

Acq: 22 Feb 2023 20:47

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

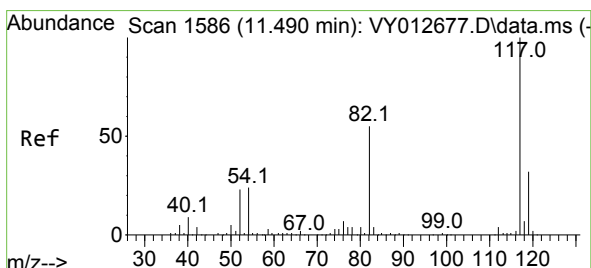
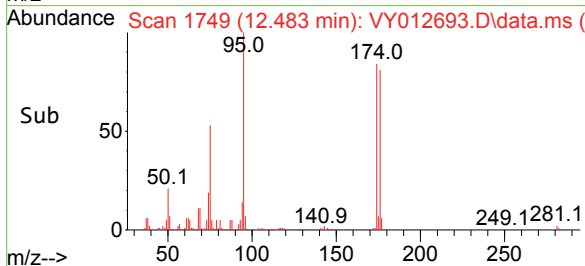
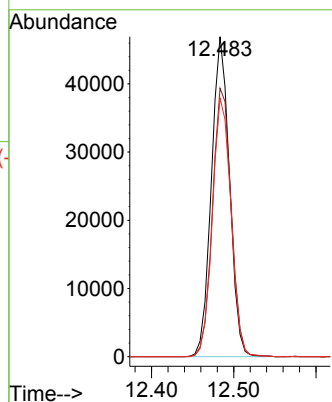
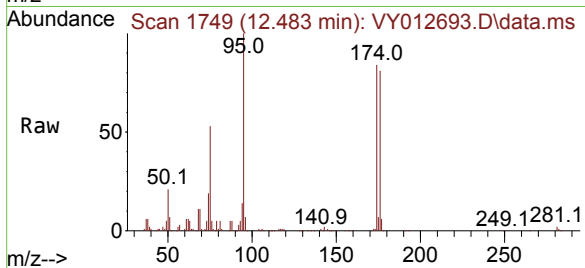
Tgt Ion: 95 Resp: 71766

Ion Ratio Lower Upper

95 100

174 87.0 0.0 172.8

176 83.3 0.0 169.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY012693.D

Acq: 22 Feb 2023 20:47

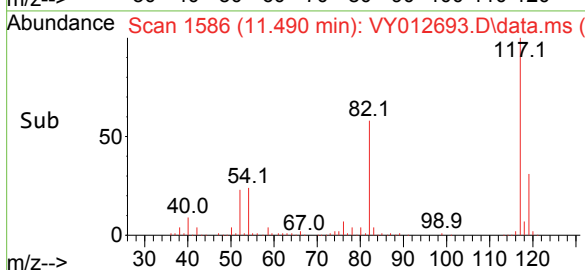
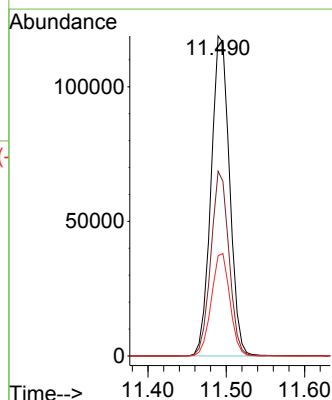
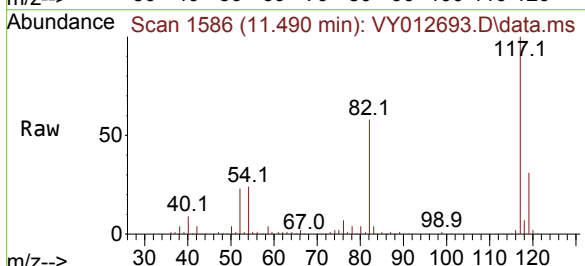
Tgt Ion: 117 Resp: 195121

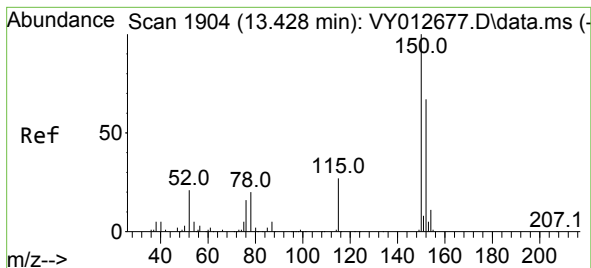
Ion Ratio Lower Upper

117 100

82 57.7 44.1 66.1

119 31.4 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: VY012693.D

Acq: 22 Feb 2023 20:47

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

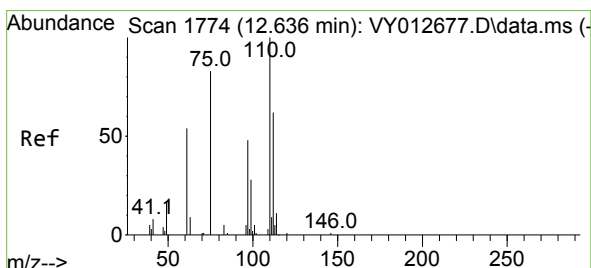
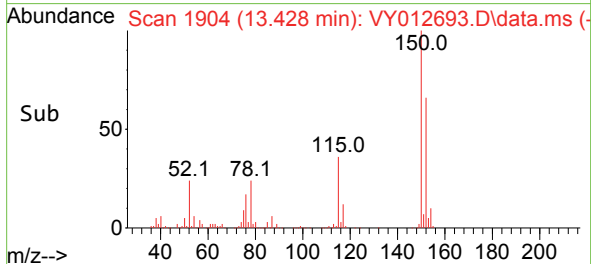
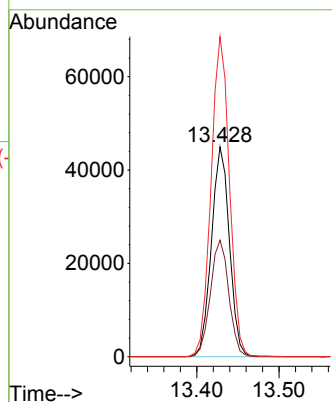
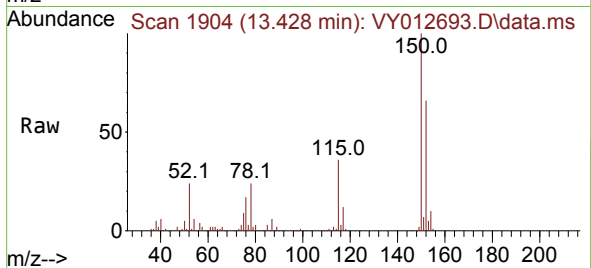
Tgt Ion:152 Resp: 68255

Ion Ratio Lower Upper

152 100

115 56.8 28.7 86.3

150 155.6 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 44.613 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY012693.D

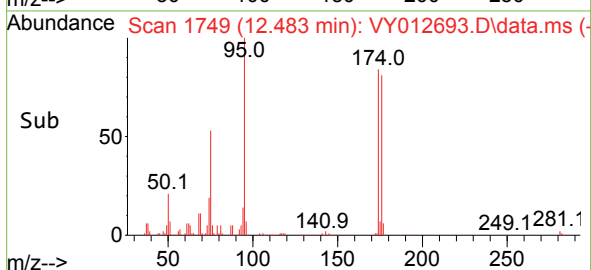
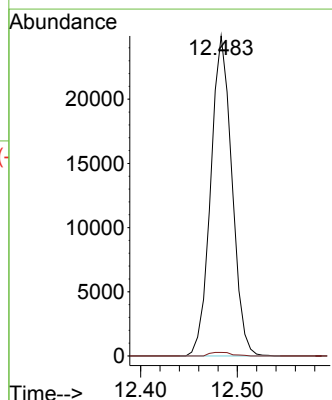
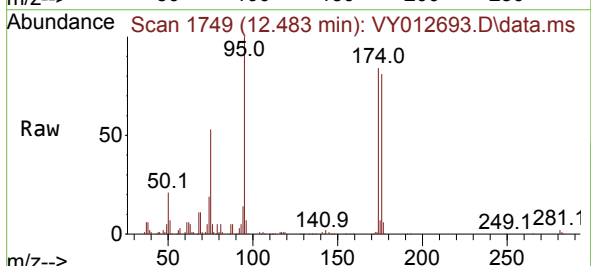
Acq: 22 Feb 2023 20:47

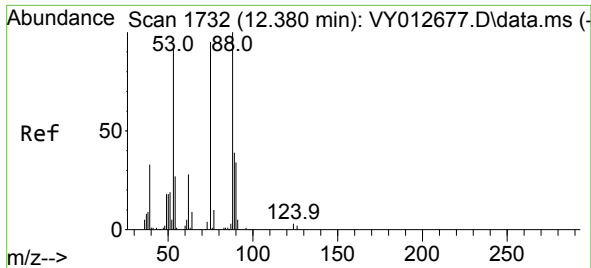
Tgt Ion: 75 Resp: 37962

Ion Ratio Lower Upper

75 100

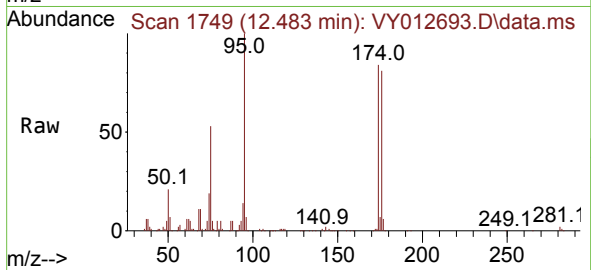
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.513 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY012693.D
 Acq: 22 Feb 2023 20:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2



Tgt Ion:	75	Resp:	37962
Ion	Ratio	Lower	Upper
75	100		
53	0.0	80.4	120.6#
89	0.0	36.5	54.7#

