

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042822\
 Data File : VY008547.D
 Acq On : 28 Apr 2022 14:59
 Operator : KP/MD
 Sample : N2588-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-2

Quant Time: Apr 29 02:01:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

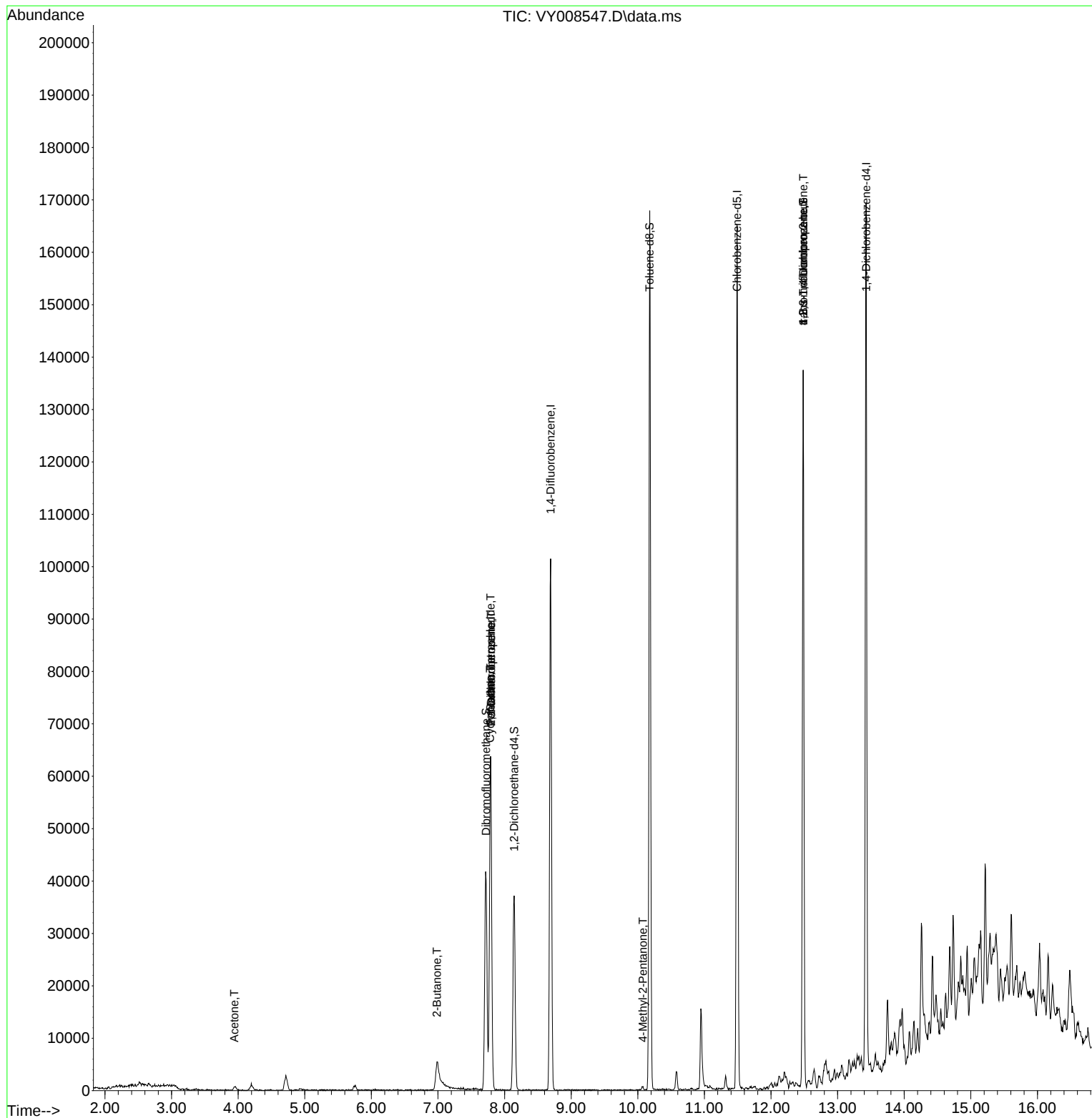
Internal Standards						
1) Pentafluorobenzene	7.795	168	50499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	90877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	90583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	41556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	29870	50.271	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.540%	
35) Dibromofluoromethane	7.722	113	29363	50.064	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.120%	
50) Toluene-d8	10.179	98	109825	47.118	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.240%	
62) 4-Bromofluorobenzene	12.483	95	38746	49.061	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	211	Below Cal	#	77
16) Acetone	3.942	43	1292	9.335	ug/l	91
20) Methylene Chloride	4.716	84	2337	Below Cal	#	84
25) 2-Butanone	6.984	43	400	1.868	ug/l	# 54
31) Cyclohexane	7.783	56	1077	1.103	ug/l	# 1
36) 1,1-Dichloropropene	7.795	75	4340	4.652	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	5163	5.326	ug/l	# 19
51) 4-Methyl-2-Pentanone	10.075	43	536	1.074	ug/l	# 81
76) 1,2,3-Trichloropropane	12.483	75	21273	39.555	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	21273	91.764	ug/l	# 7

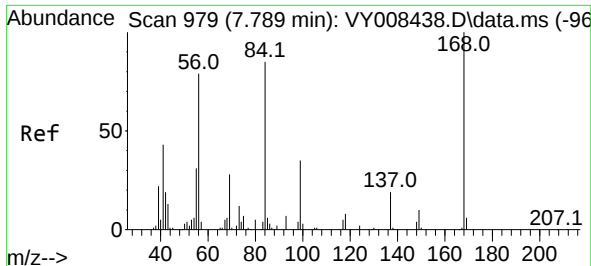
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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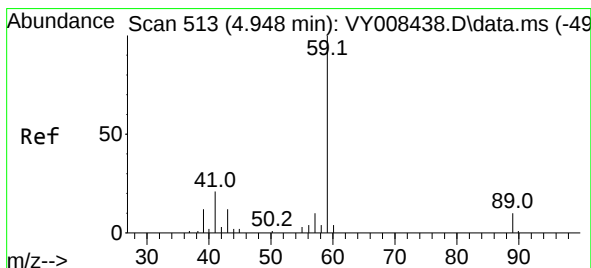
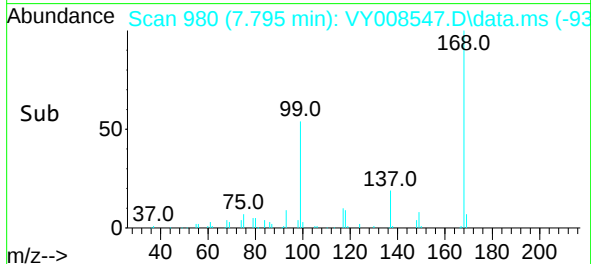
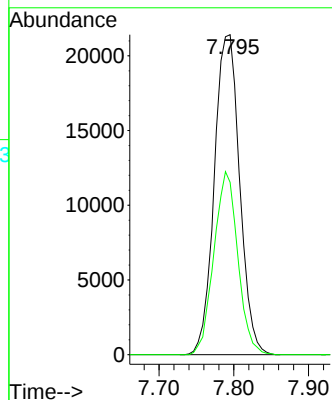
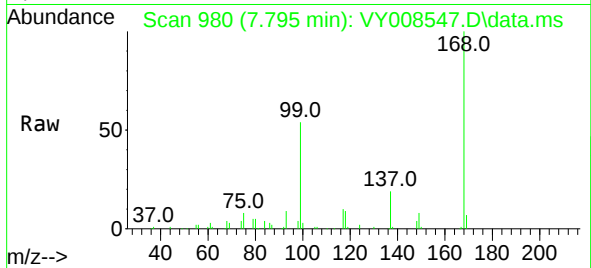




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008547.D
Acq: 28 Apr 2022 14:59

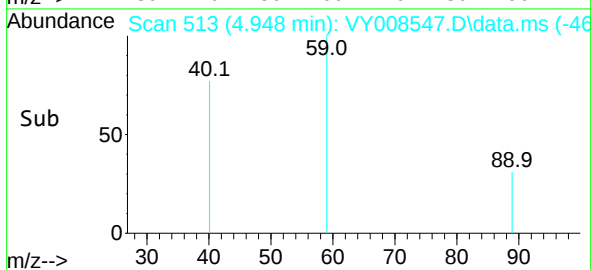
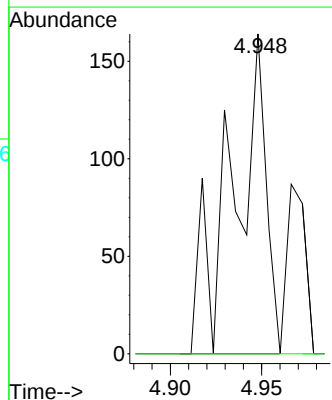
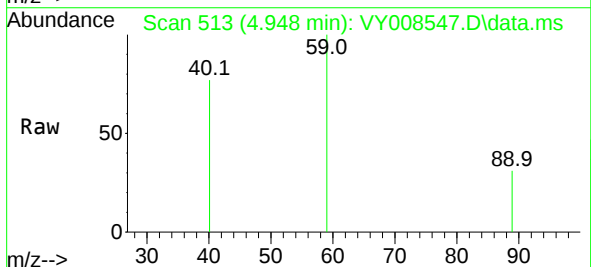
Instrument :
MSVOA_Y
ClientSampleId :
MH-2

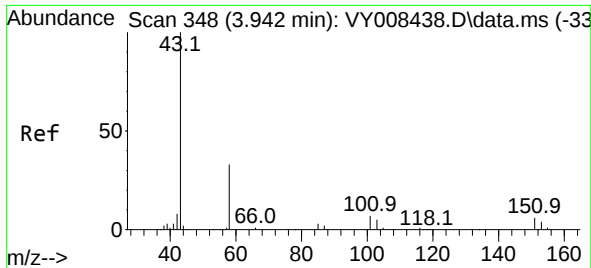
Tgt Ion:168 Resp: 50499
Ion Ratio Lower Upper
168 100
99 53.9 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY008547.D
Acq: 28 Apr 2022 14:59

Tgt Ion: 59 Resp: 211
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 9.335 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY008547.D

Acq: 28 Apr 2022 14:59

Instrument :

MSVOA_Y

ClientSampleId :

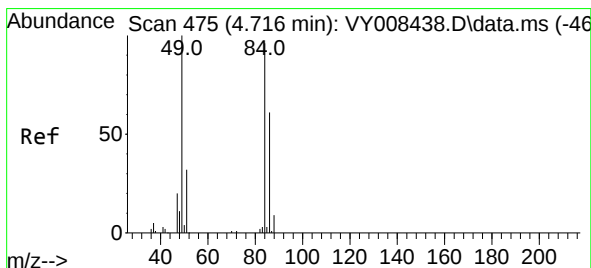
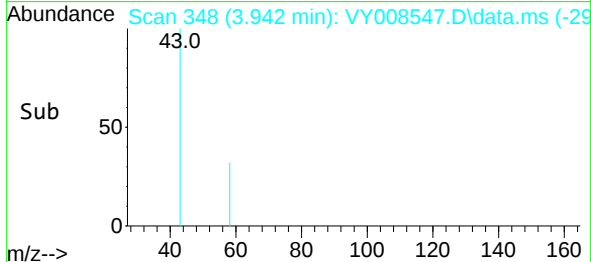
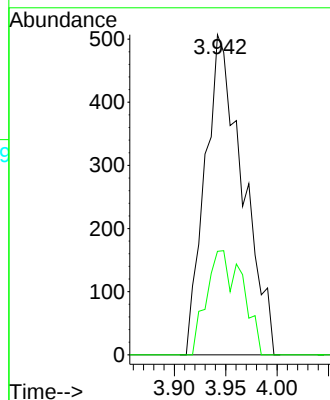
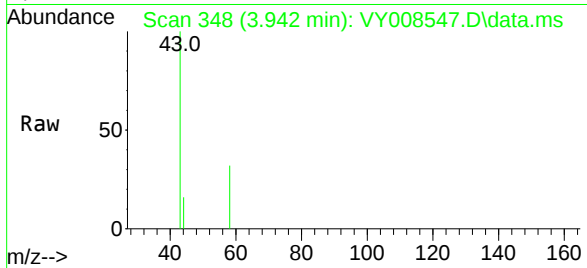
MH-2

Tgt Ion: 43 Resp: 1292

Ion Ratio Lower Upper

43 100

58 32.3 22.0 33.0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY008547.D

Acq: 28 Apr 2022 14:59

Tgt Ion: 84 Resp: 2337

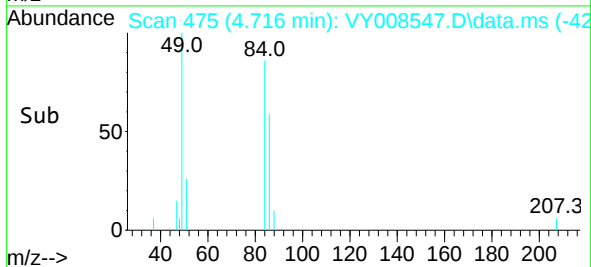
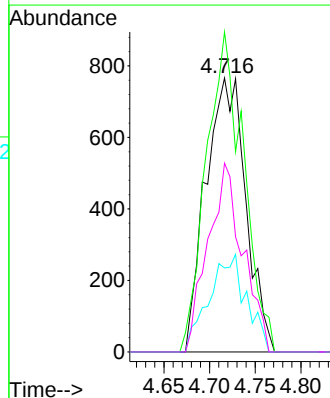
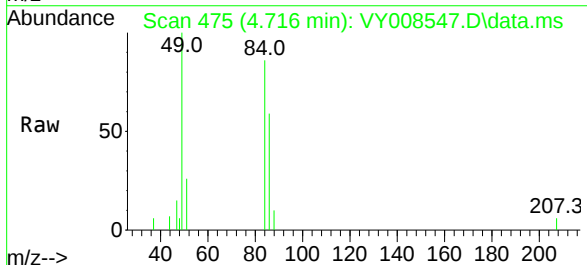
Ion Ratio Lower Upper

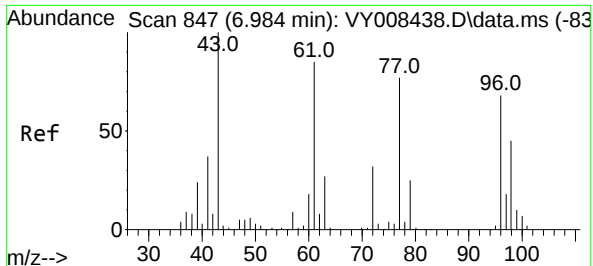
84 100

49 116.8 114.4 171.6

51 30.7 35.3 52.9#

86 68.9 53.7 80.5





#25

2-Butanone

Concen: 1.868 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY008547.D

Acq: 28 Apr 2022 14:59

Instrument :

MSVOA_Y

ClientSampleId :

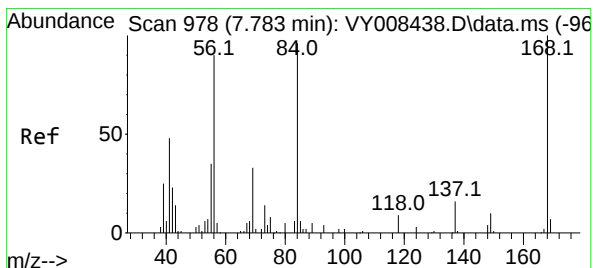
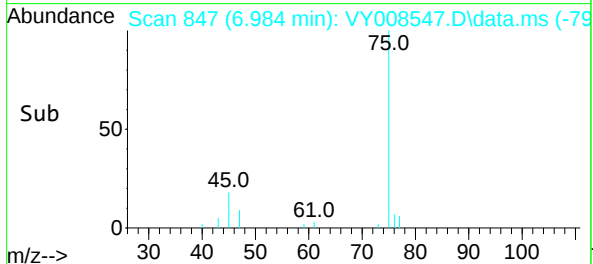
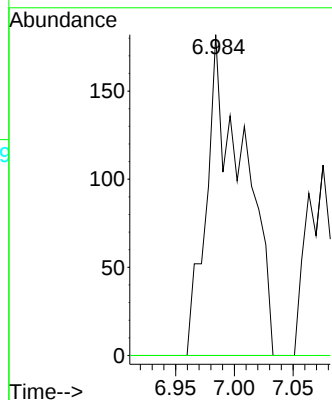
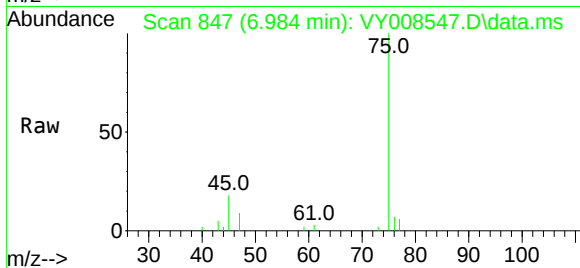
MH-2

Tgt Ion: 43 Resp: 400

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.103 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY008547.D

Acq: 28 Apr 2022 14:59

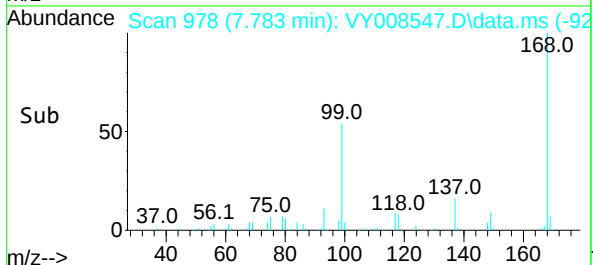
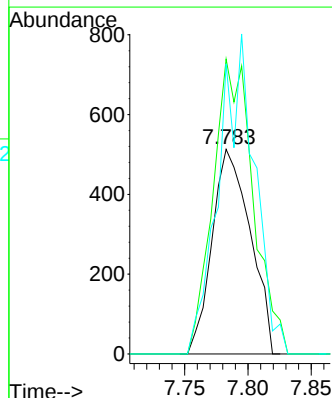
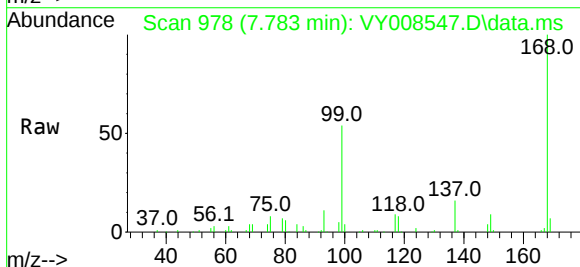
Tgt Ion: 56 Resp: 1077

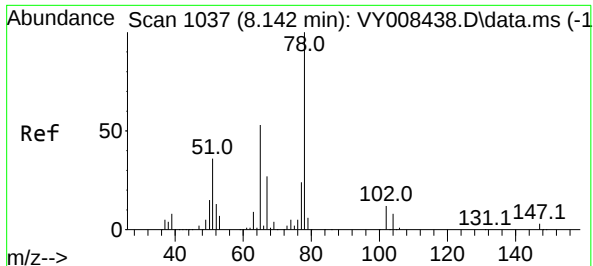
Ion Ratio Lower Upper

56 100

69 144.1 26.7 40.1#

84 141.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.271 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008547.D

Acq: 28 Apr 2022 14:59

Instrument :

MSVOA_Y

ClientSampleId :

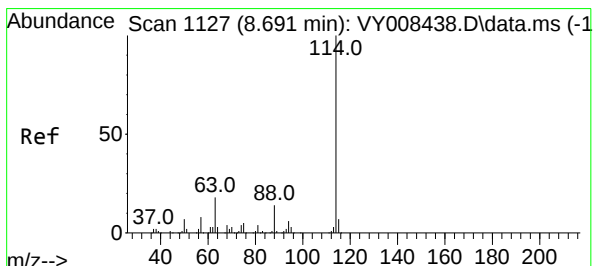
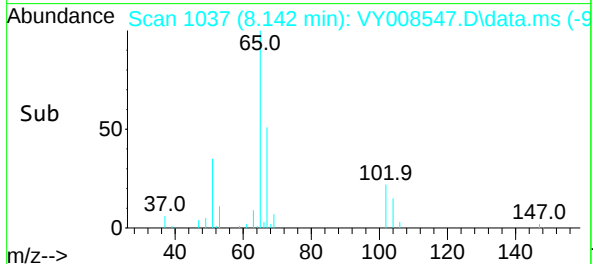
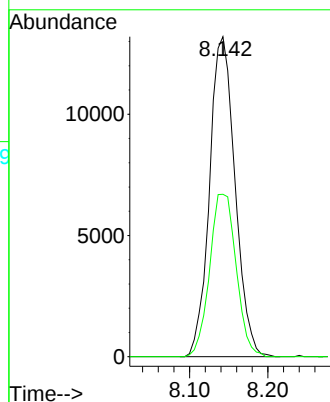
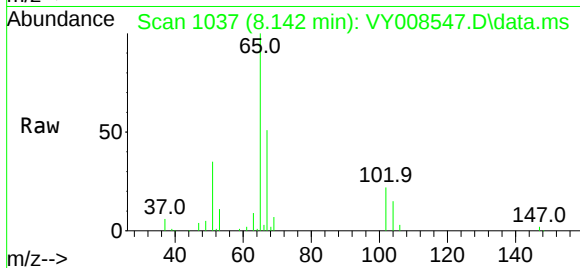
MH-2

Tgt Ion: 65 Resp: 29870

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008547.D

Acq: 28 Apr 2022 14:59

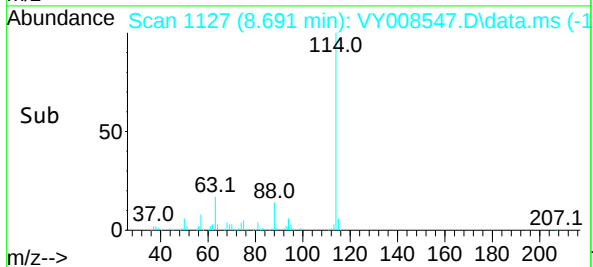
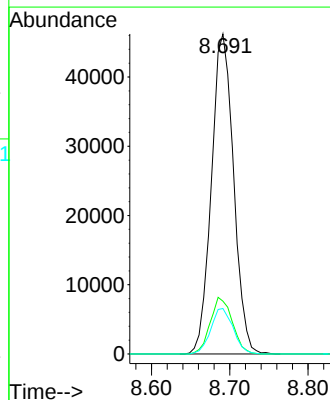
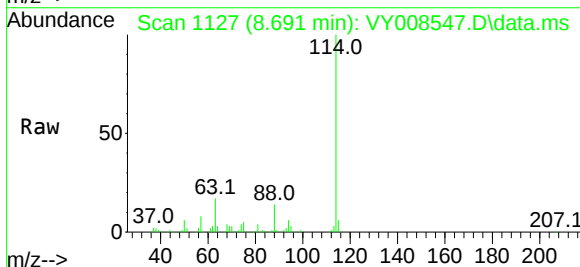
Tgt Ion: 114 Resp: 90877

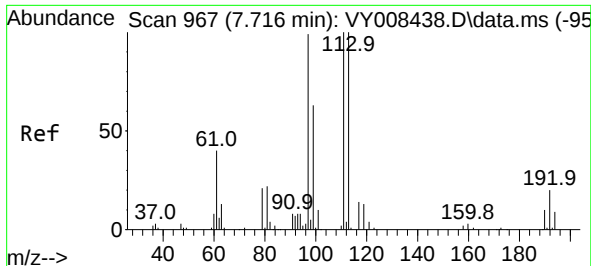
Ion Ratio Lower Upper

114 100

63 16.5 0.0 43.2

88 14.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.064 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY008547.D

Acq: 28 Apr 2022 14:59

Instrument :

MSVOA_Y

ClientSampleId :

MH-2

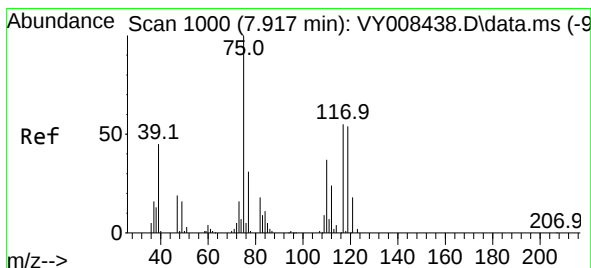
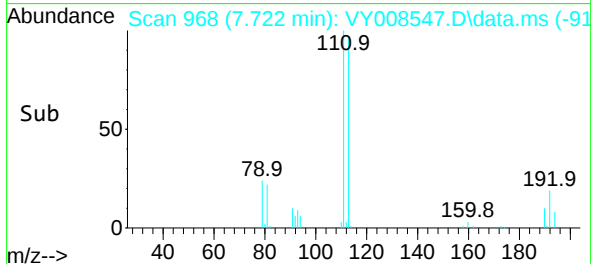
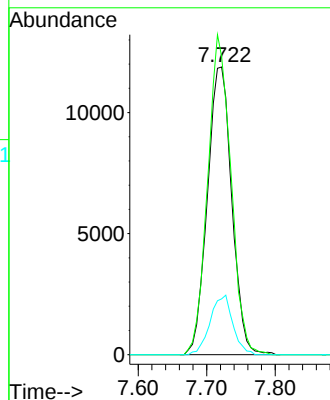
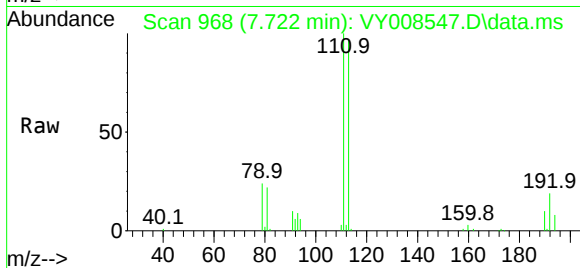
Tgt Ion:113 Resp: 29363

Ion Ratio Lower Upper

113 100

111 106.0 82.6 124.0

192 19.2 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.652 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.122 min

Lab File: VY008547.D

Acq: 28 Apr 2022 14:59

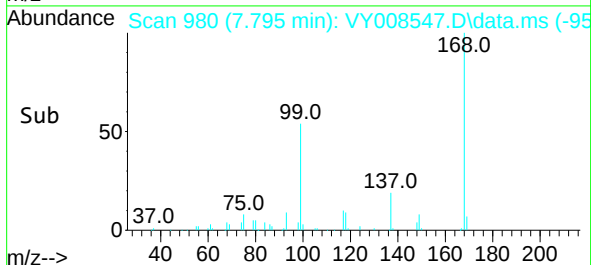
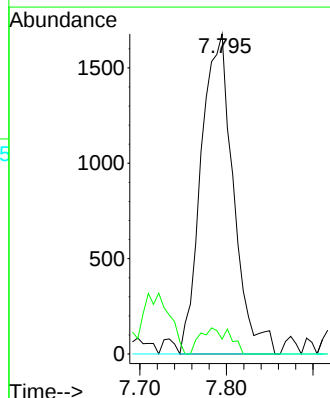
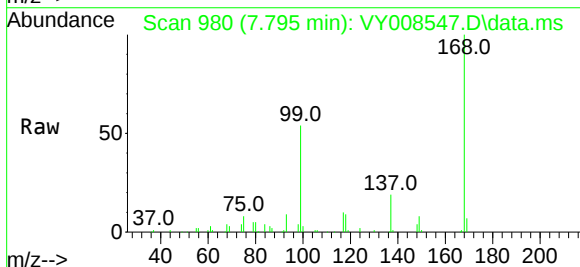
Tgt Ion: 75 Resp: 4340

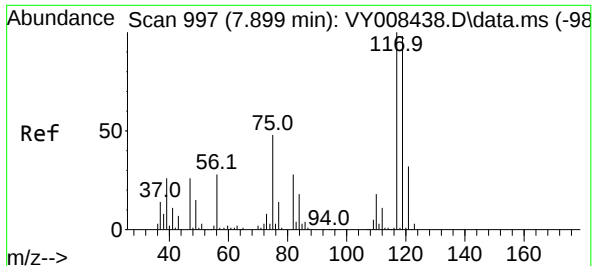
Ion Ratio Lower Upper

75 100

110 7.5 17.1 51.2#

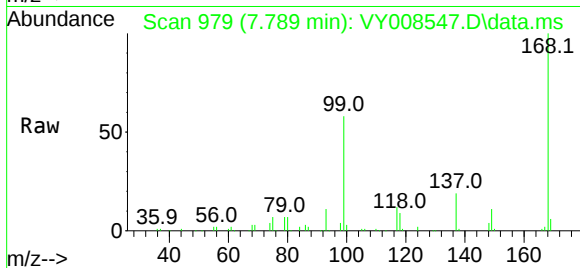
77 0.0 24.4 36.6#



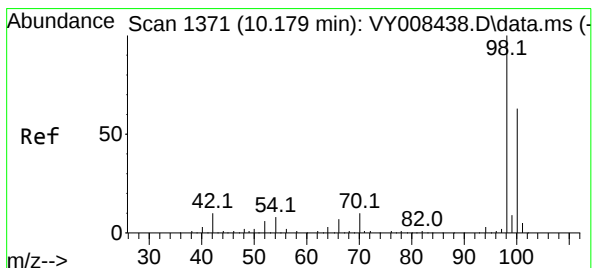
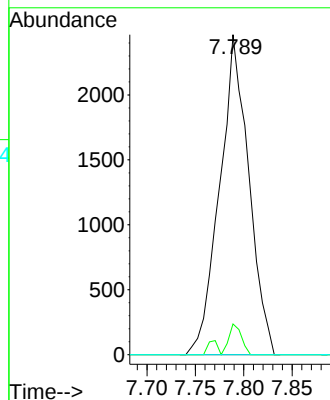
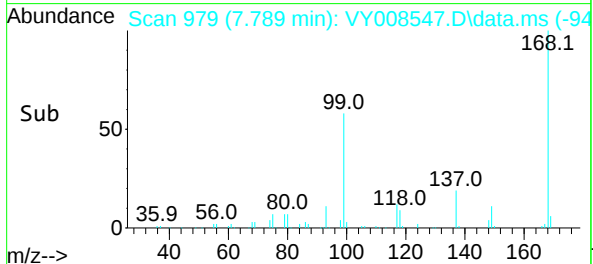


#38
Carbon Tetrachloride
Concen: 5.326 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008547.D
Acq: 28 Apr 2022 14:59

Instrument :
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ClientSampleId :
MH-2

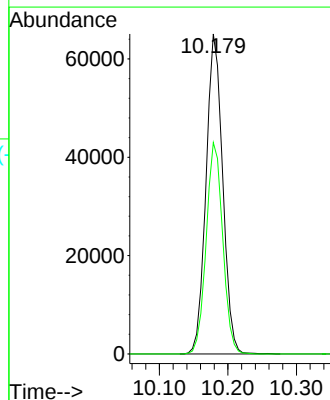
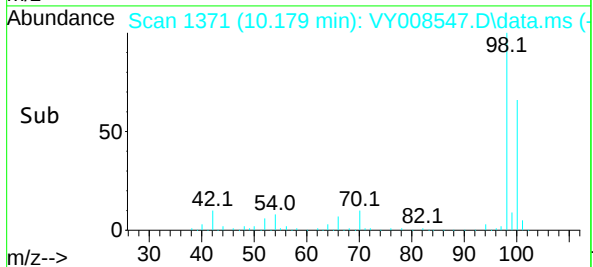
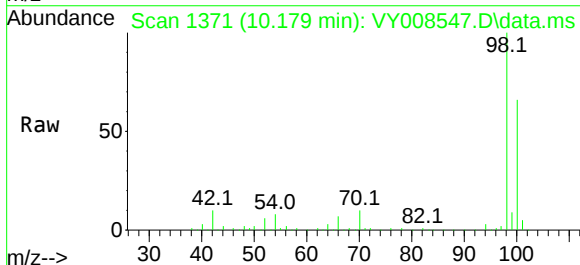


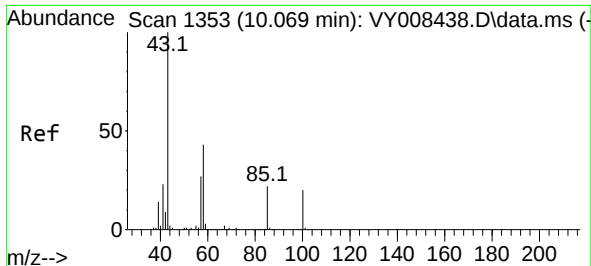
Tgt Ion:117 Resp: 5163
Ion Ratio Lower Upper
117 100
119 9.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.118 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008547.D
Acq: 28 Apr 2022 14:59

Tgt Ion: 98 Resp: 109825
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2

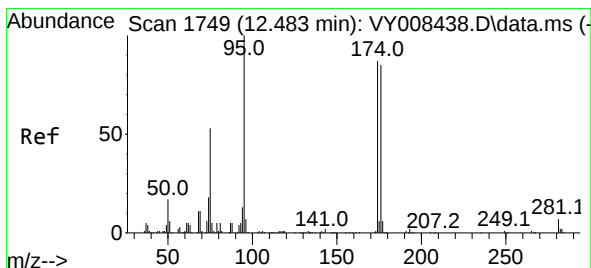
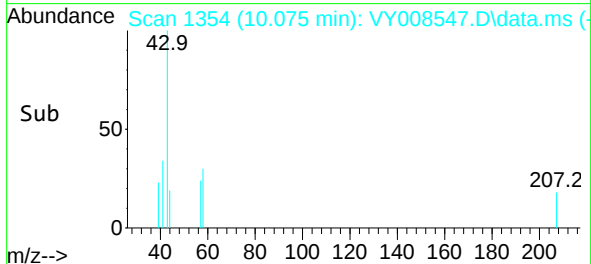
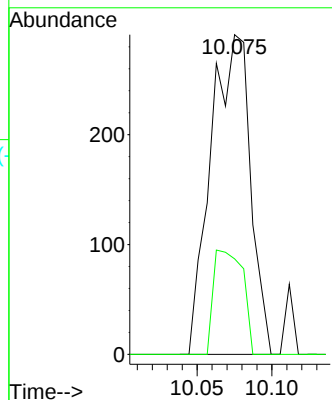
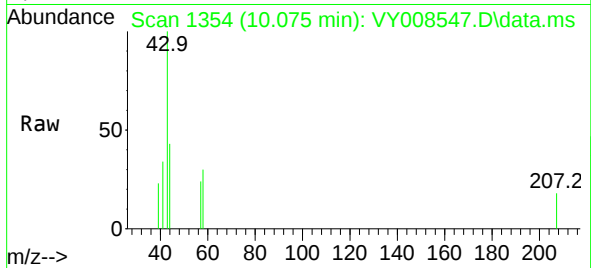




#51
4-Methyl-2-Pentanone
Concen: 1.074 ug/l
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY008547.D
Acq: 28 Apr 2022 14:59

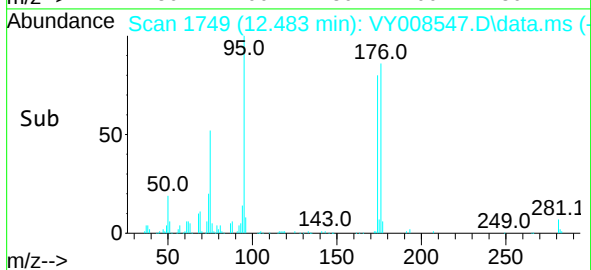
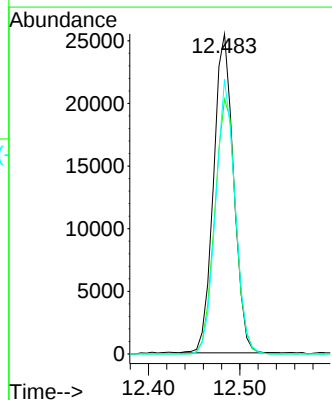
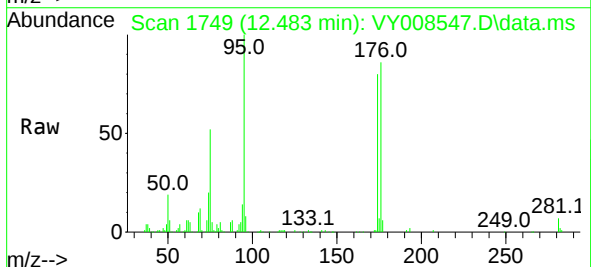
Instrument :
MSVOA_Y
ClientSampleId :
MH-2

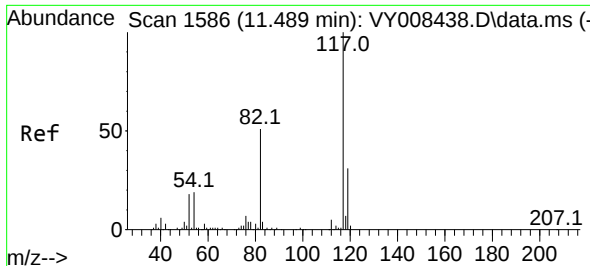
Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
58 24.1 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 49.061 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008547.D
Acq: 28 Apr 2022 14:59

Tgt Ion: 95 Resp: 38746
Ion Ratio Lower Upper
95 100
174 83.9 0.0 177.0
176 83.7 0.0 175.8

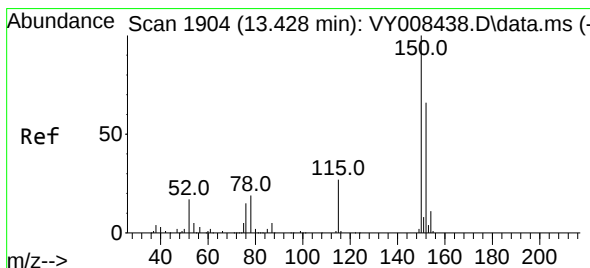
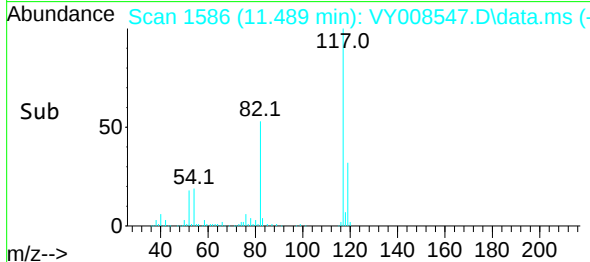
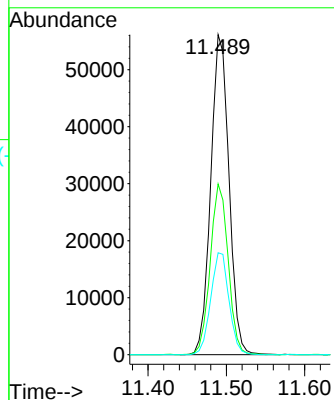
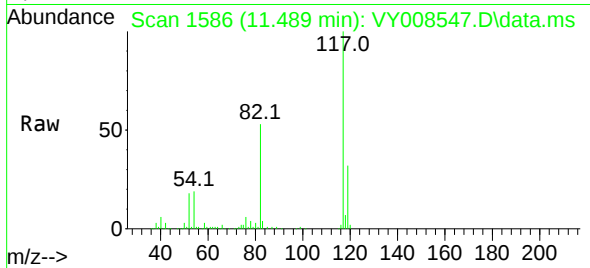




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008547.D
Acq: 28 Apr 2022 14:59

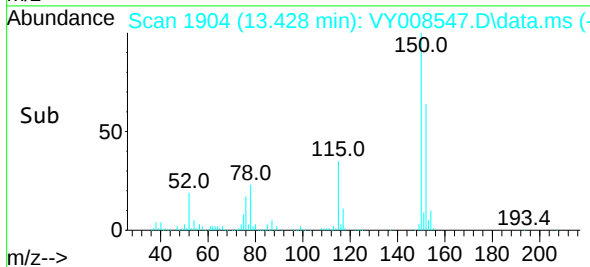
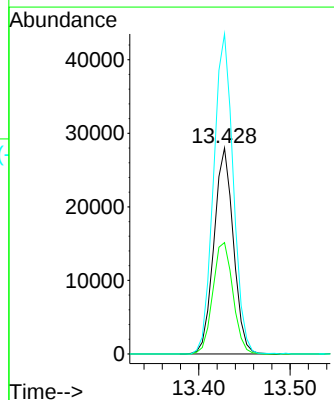
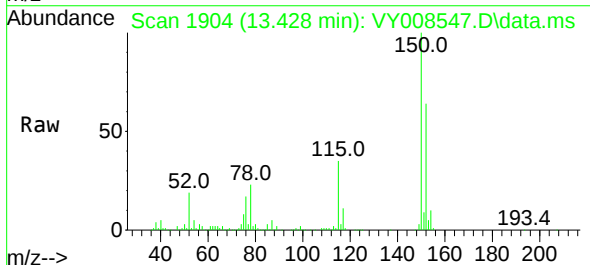
Instrument :
MSVOA_Y
ClientSampleId :
MH-2

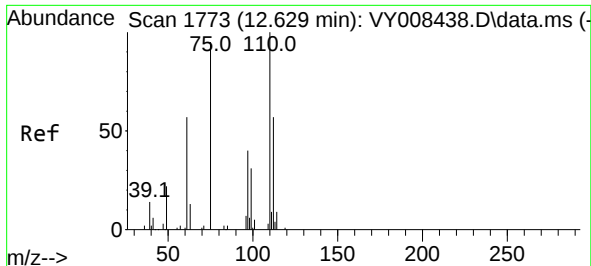
Tgt Ion:117 Resp: 90583
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008547.D
Acq: 28 Apr 2022 14:59

Tgt Ion:152 Resp: 41556
Ion Ratio Lower Upper
152 100
115 55.9 28.2 84.7
150 157.2 0.0 347.6

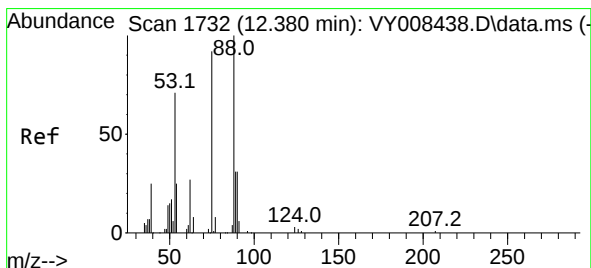
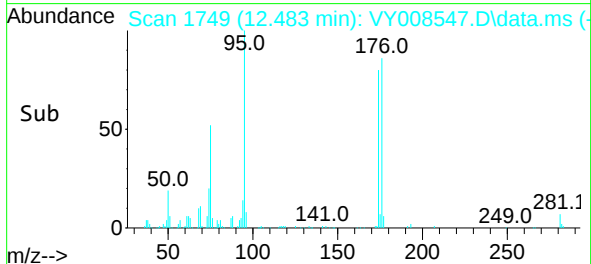
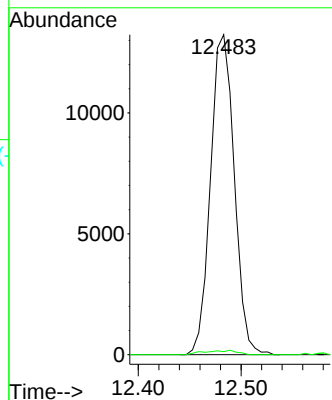
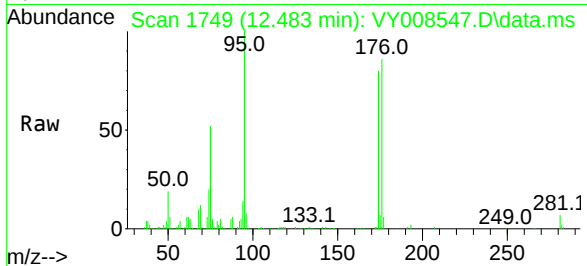




#76
1,2,3-Trichloropropane
Concen: 39.555 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008547.D
Acq: 28 Apr 2022 14:59

Instrument :
MSVOA_Y
ClientSampleId :
MH-2

Tgt Ion: 75 Resp: 21273
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.764 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008547.D
Acq: 28 Apr 2022 14:59

Tgt Ion: 75 Resp: 21273
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.2 37.0 55.4#

