

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051322\
 Data File : VY008761.D
 Acq On : 13 May 2022 19:55
 Operator : KP/MD
 Sample : N2775-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-35S

Quant Time: May 16 05:55:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051222S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 13 02:08:33 2022
 Response via : Initial Calibration

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

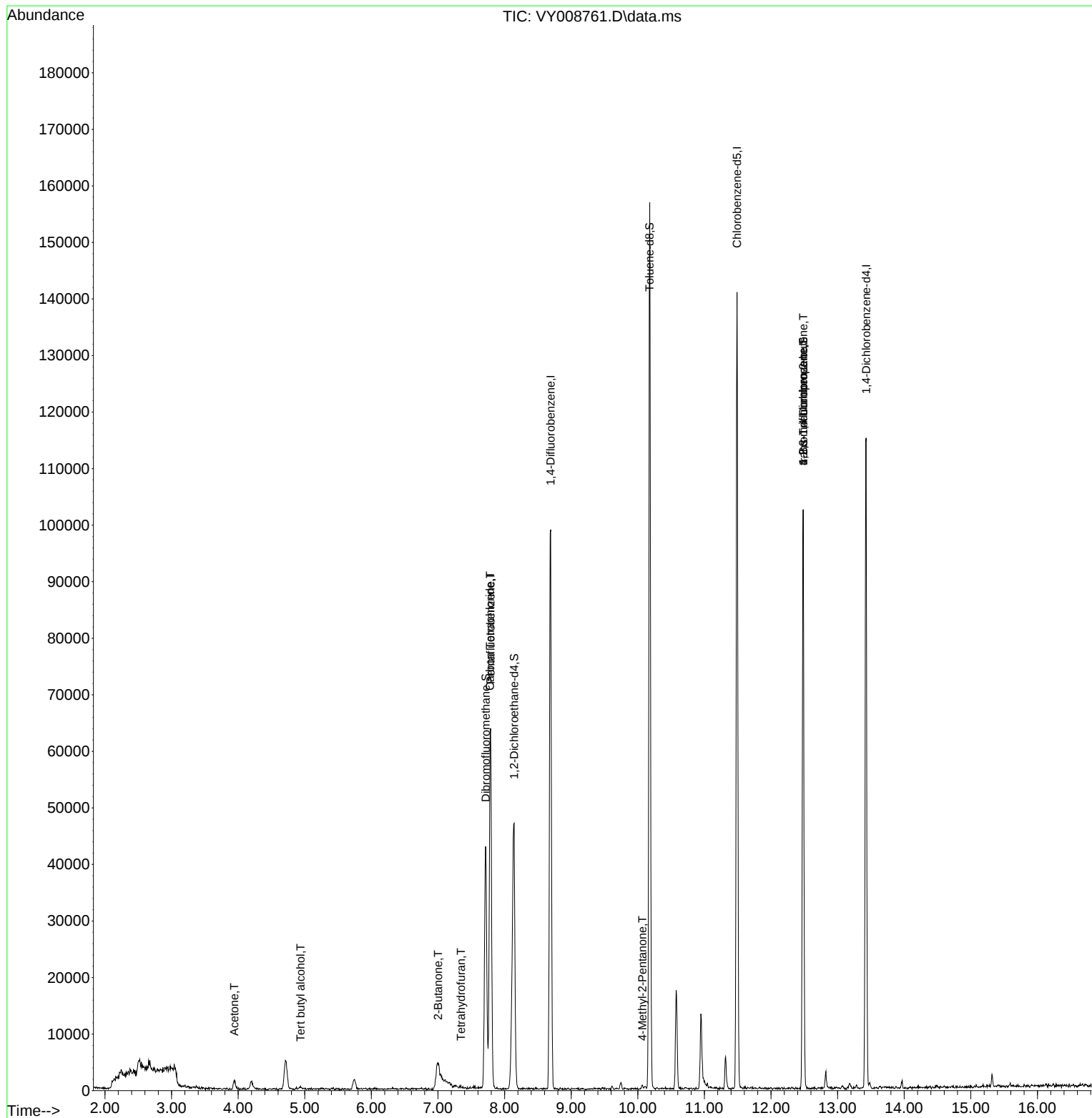
Internal Standards						
1) Pentafluorobenzene	7.789	168	49446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	86039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	75595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	28603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	31033	63.020	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.040%	
35) Dibromofluoromethane	7.716	113	29881	57.864	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.720%	
50) Toluene-d8	10.179	98	101443	52.090	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.180%	
62) 4-Bromofluorobenzene	12.483	95	26949	39.940	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	290	Below Cal	#	41
4) Vinyl Chloride	2.229	62	236	Below Cal	#	76
5) Bromomethane	2.656	94	996	Below Cal		86
6) Chloroethane	2.833	64	78	Below Cal	#	42
11) Tert butyl alcohol	4.936	59	125	1.090	ug/l #	76
16) Acetone	3.942	43	2403	18.363	ug/l	92
18) Methyl Acetate	4.241	43	19	Below Cal	#	49
20) Methylene Chloride	4.716	84	4086	Below Cal	#	91
25) 2-Butanone	7.003	43	429	2.456	ug/l #	43
29) Tetrahydrofuran	7.344	42	115	1.021	ug/l #	28
31) Cyclohexane	7.771	56	433	Below Cal	#	50
38) Carbon Tetrachloride	7.783	117	4861	5.579	ug/l #	17
51) 4-Methyl-2-Pentanone	10.069	43	545	1.291	ug/l #	86
76) 1,2,3-Trichloropropane	12.483	75	15901	55.245	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	15901	106.728	ug/l #	16

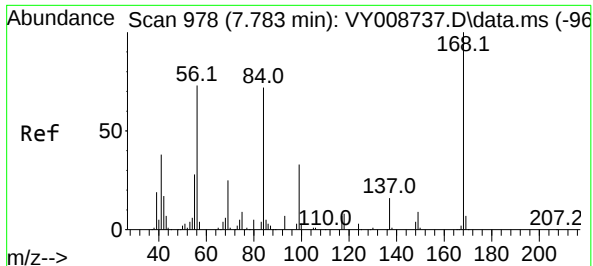
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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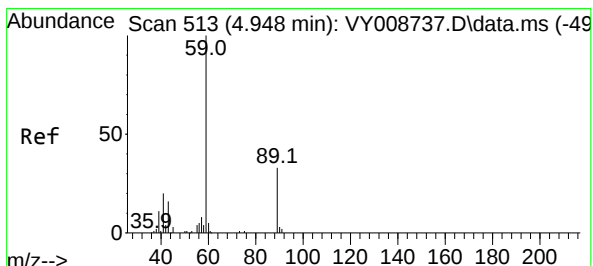
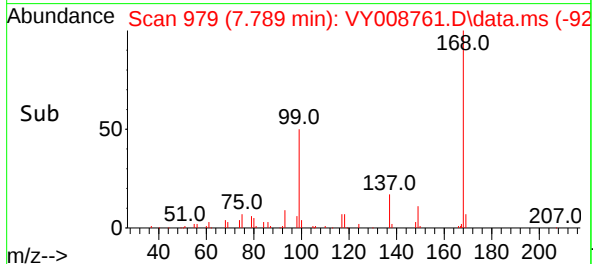
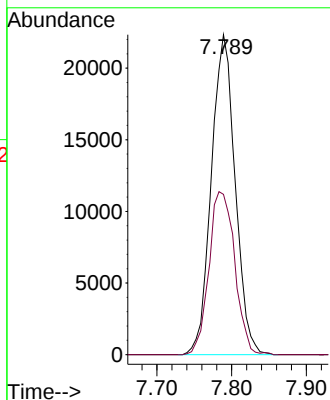
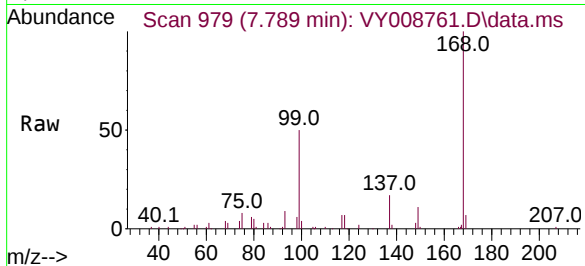




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008761.D
Acq: 13 May 2022 19:55

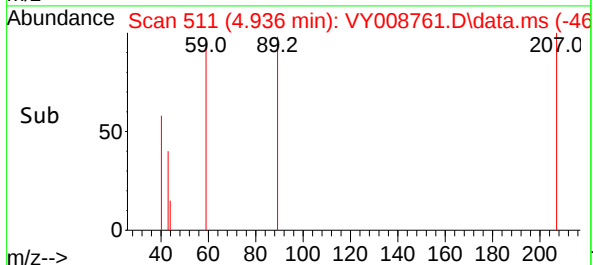
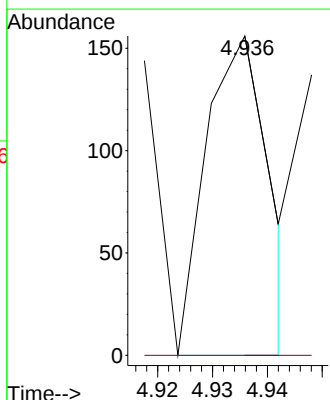
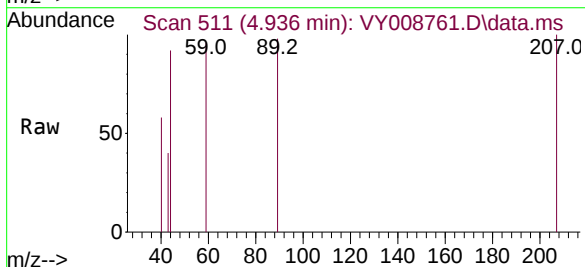
Instrument :
MSVOA_Y
ClientSampleId :
MH-35S

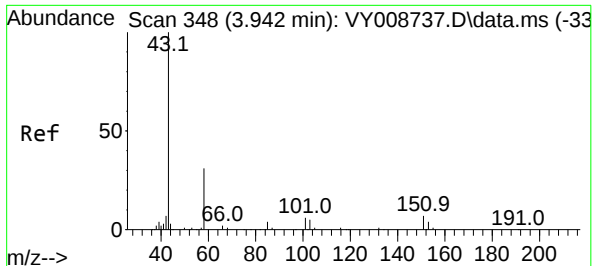
Tgt Ion:168 Resp: 49446
Ion Ratio Lower Upper
168 100
99 50.1 42.3 63.5



#11
Tert butyl alcohol
Concen: 1.090 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY008761.D
Acq: 13 May 2022 19:55

Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#





#16

Acetone

Concen: 18.363 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY008761.D

Acq: 13 May 2022 19:55

Instrument :

MSVOA_Y

ClientSampleId :

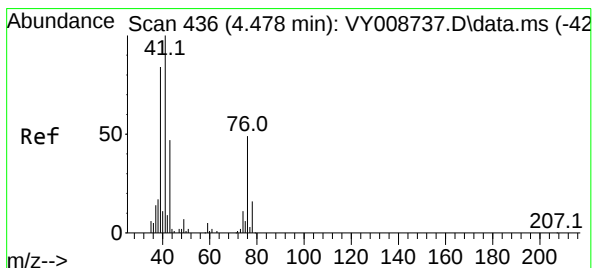
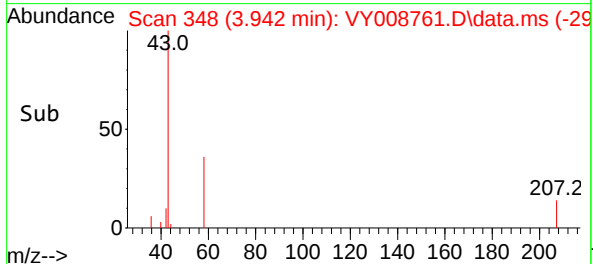
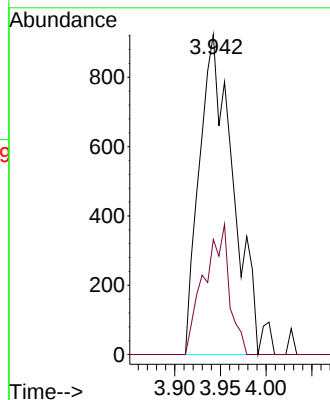
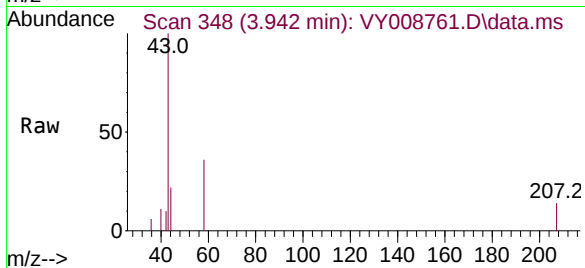
MH-35S

Tgt Ion: 43 Resp: 2403

Ion Ratio Lower Upper

43 100

58 36.0 25.1 37.7



#18

Methyl Acetate

Concen: Below Cal

RT: 4.241 min Scan# 397

Delta R.T. -0.237 min

Lab File: VY008761.D

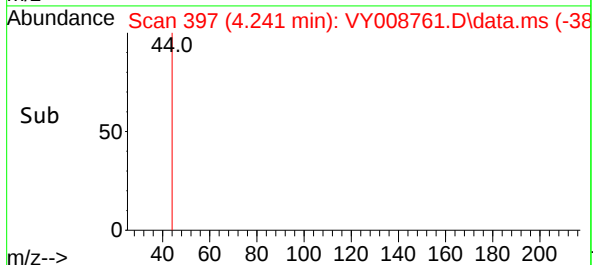
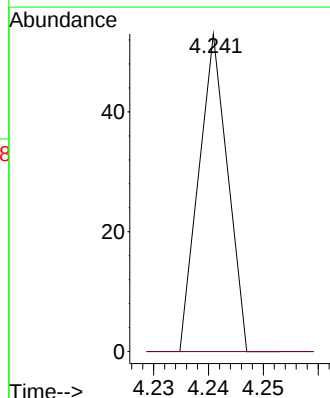
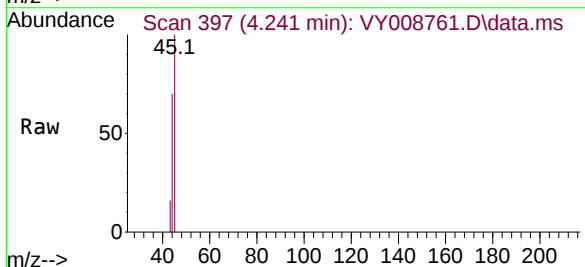
Acq: 13 May 2022 19:55

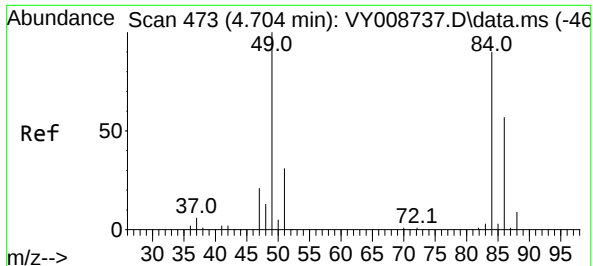
Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

74 0.0 20.6 31.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY008761.D

Acq: 13 May 2022 19:55

Instrument :

MSVOA_Y

ClientSampleId :

MH-35S

Tgt Ion: 84 Resp: 4086

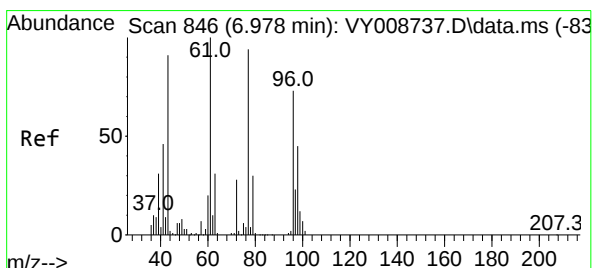
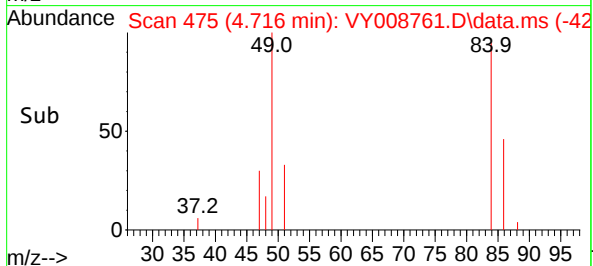
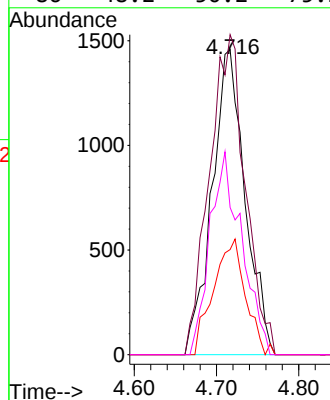
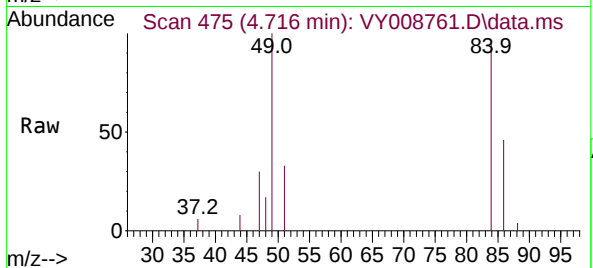
Ion Ratio Lower Upper

84 100

49 104.9 88.6 133.0

51 34.4 27.4 41.0

86 48.2 50.2 75.2#



#25

2-Butanone

Concen: 2.456 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.025 min

Lab File: VY008761.D

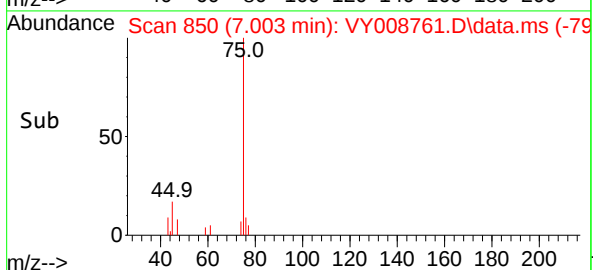
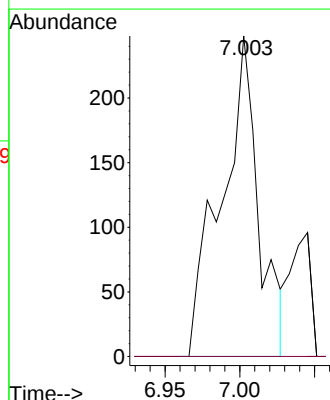
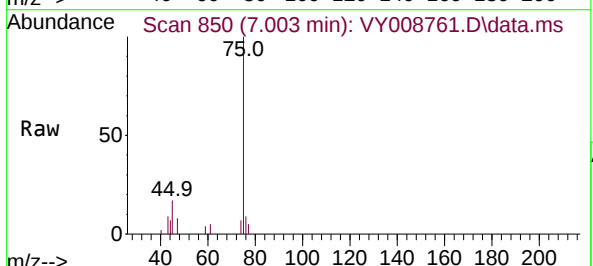
Acq: 13 May 2022 19:55

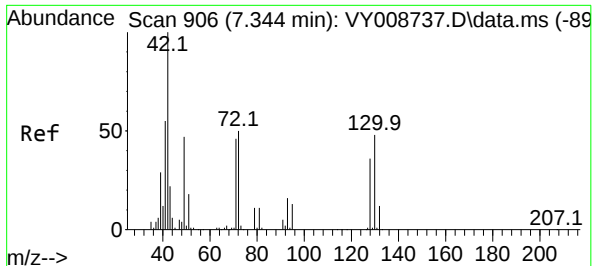
Tgt Ion: 43 Resp: 429

Ion Ratio Lower Upper

43 100

72 0.0 25.0 37.4#





#29

Tetrahydrofuran

Concen: 1.021 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY008761.D

Acq: 13 May 2022 19:55

Instrument :

MSVOA_Y

ClientSampleId :

MH-35S

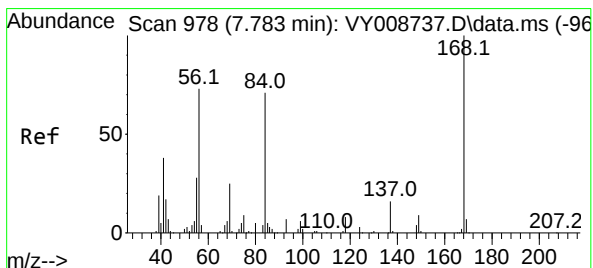
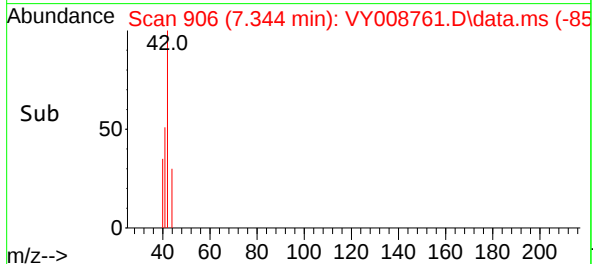
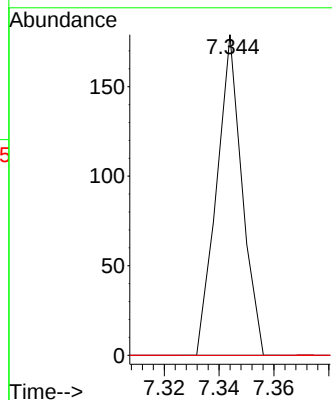
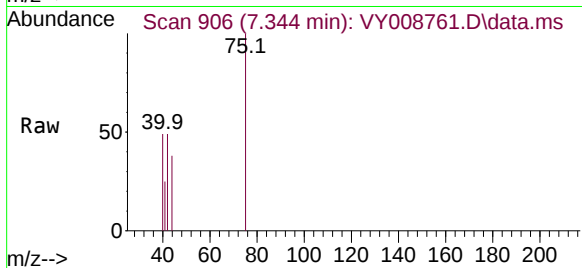
Tgt Ion: 42 Resp: 115

Ion Ratio Lower Upper

42 100

72 0.0 40.7 61.1#

71 0.0 37.4 56.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.771 min Scan# 976

Delta R.T. -0.012 min

Lab File: VY008761.D

Acq: 13 May 2022 19:55

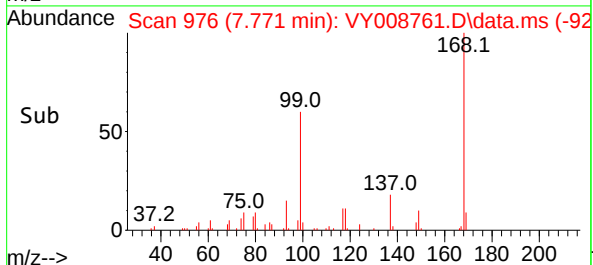
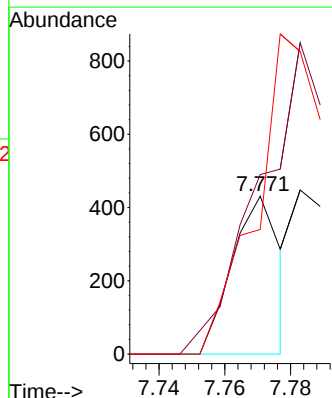
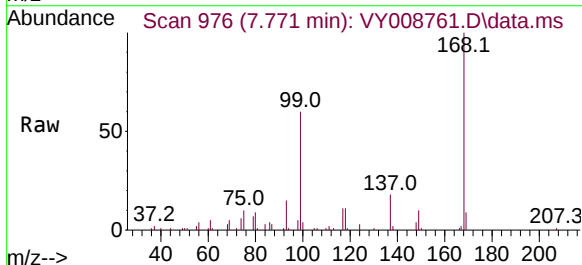
Tgt Ion: 56 Resp: 433

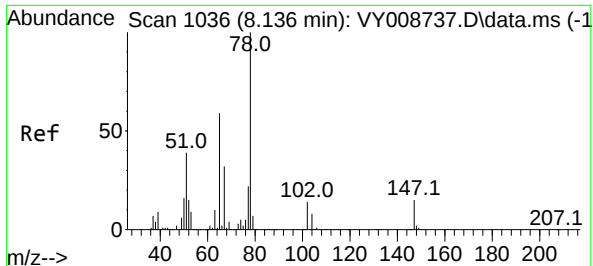
Ion Ratio Lower Upper

56 100

69 113.7 27.4 41.0#

84 78.9 77.5 116.3

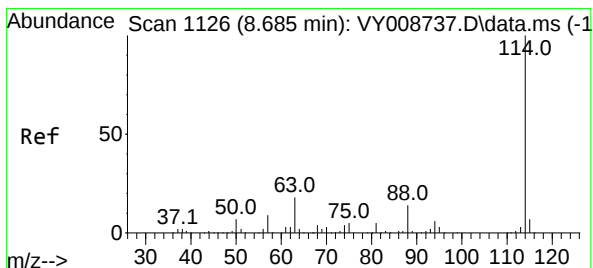
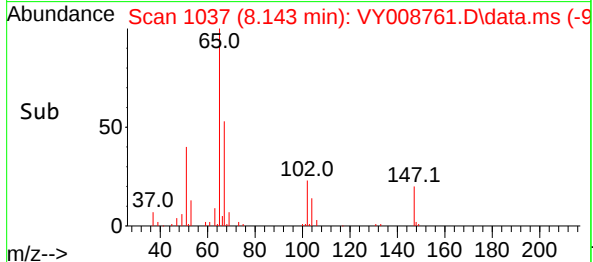
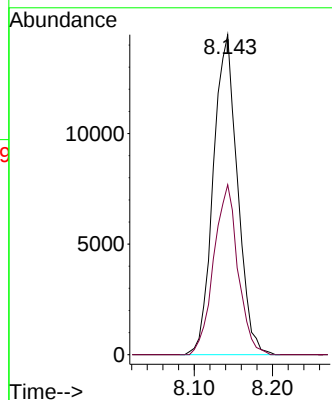
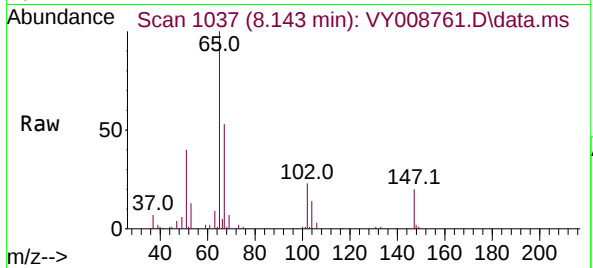




#33
 1,2-Dichloroethane-d4
 Concen: 63.020 ug/l
 RT: 8.143 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: VY008761.D
 Acq: 13 May 2022 19:55

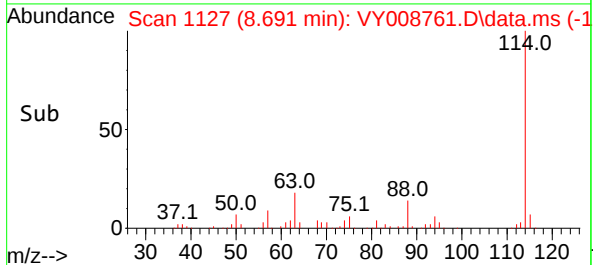
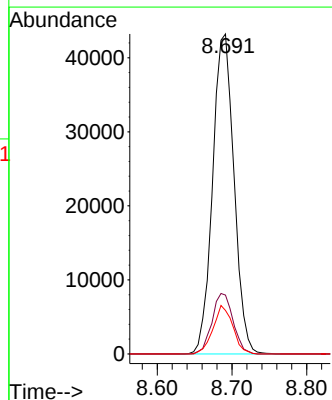
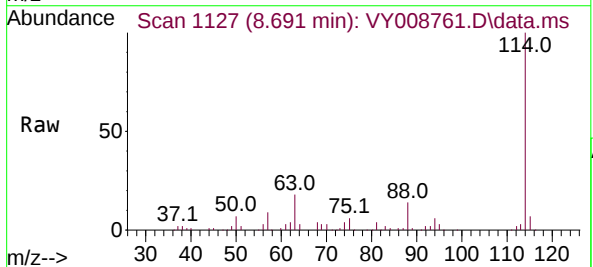
Instrument :
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 MH-35S

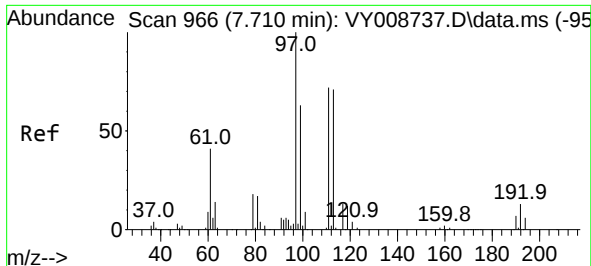
Tgt Ion: 65 Resp: 31033
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY008761.D
 Acq: 13 May 2022 19:55

Tgt Ion: 114 Resp: 86039
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.4
 88 13.6 0.0 27.4

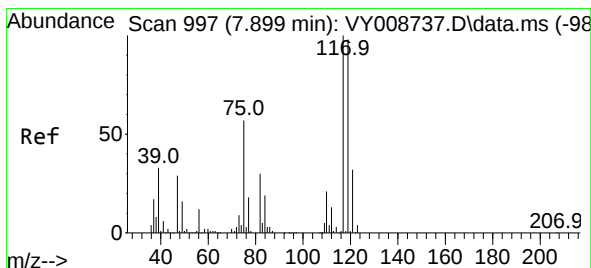
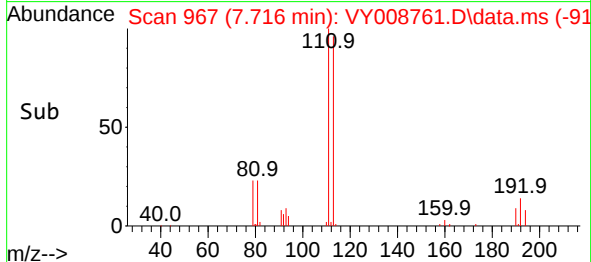
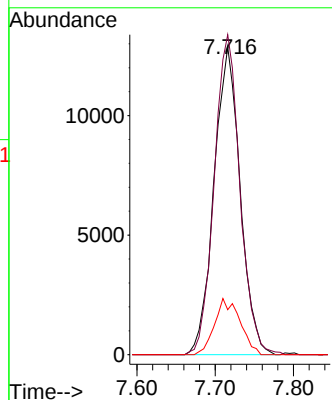
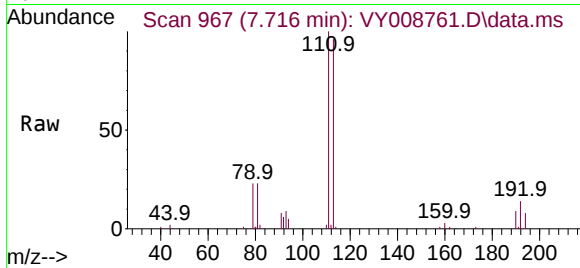




#35
Dibromofluoromethane
Concen: 57.864 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY008761.D
Acq: 13 May 2022 19:55

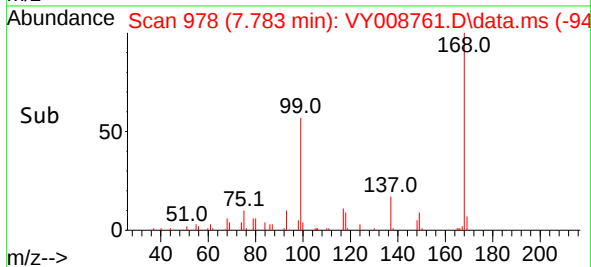
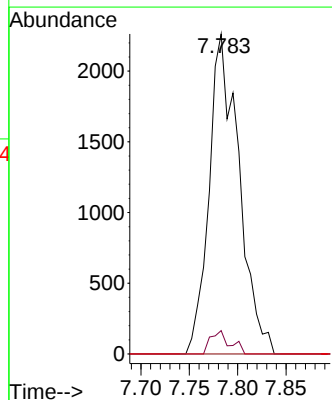
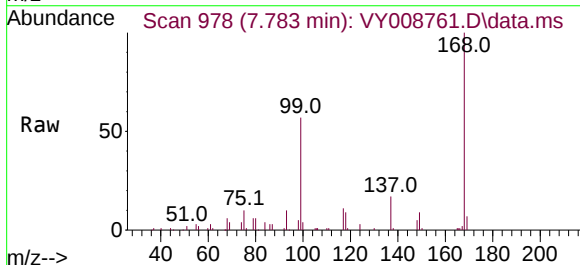
Instrument :
MSVOA_Y
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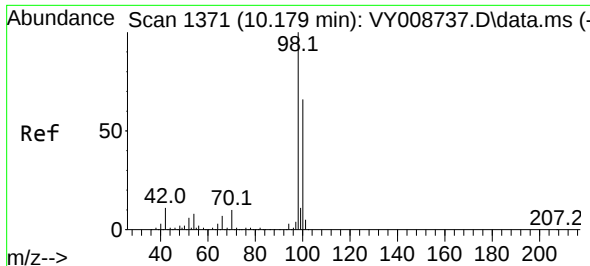
Tgt Ion:113 Resp: 29881
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 17.7 14.5 21.7



#38
Carbon Tetrachloride
Concen: 5.579 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY008761.D
Acq: 13 May 2022 19:55

Tgt Ion:117 Resp: 4861
Ion Ratio Lower Upper
117 100
119 7.3 78.5 117.7#
121 0.0 25.8 38.8#

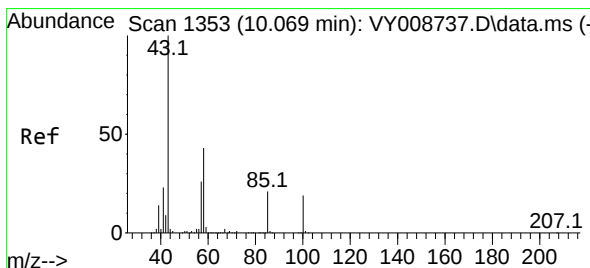
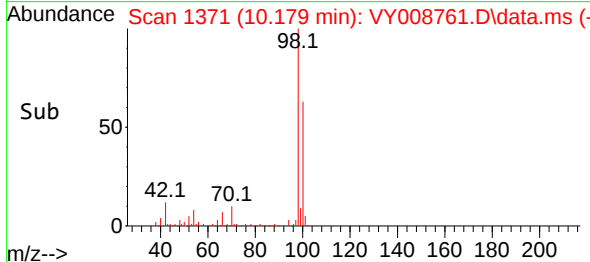
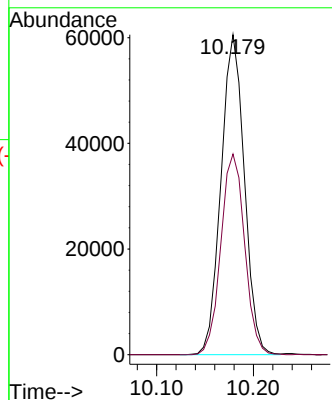
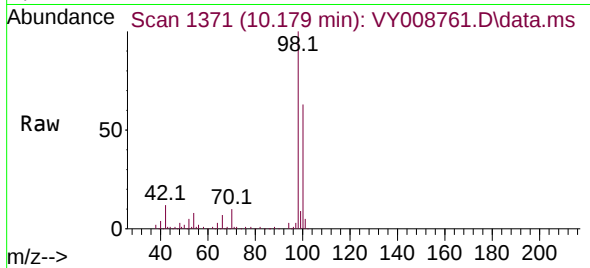




#50
Toluene-d8
Concen: 52.090 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008761.D
Acq: 13 May 2022 19:55

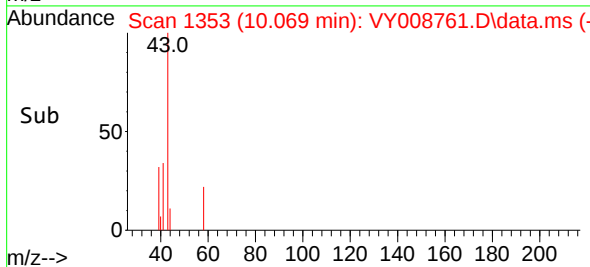
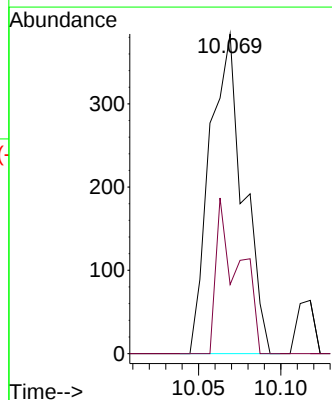
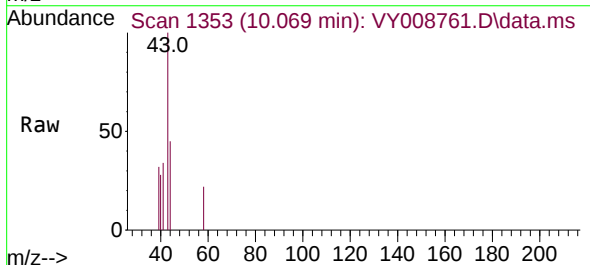
Instrument :
MSVOA_Y
ClientSampleId :
MH-35S

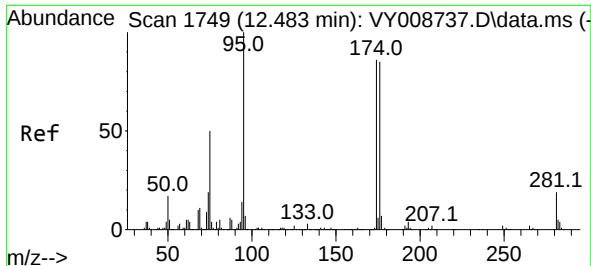
Tgt Ion: 98 Resp: 101443
Ion Ratio Lower Upper
98 100
100 63.8 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.291 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY008761.D
Acq: 13 May 2022 19:55

Tgt Ion: 43 Resp: 545
Ion Ratio Lower Upper
43 100
58 33.2 33.6 50.4#

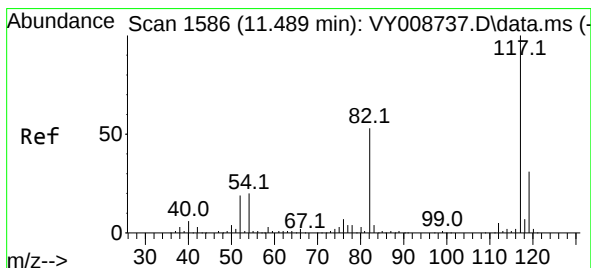
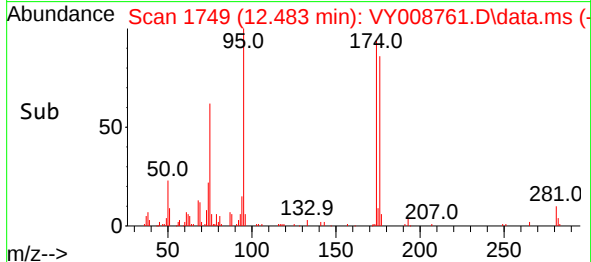
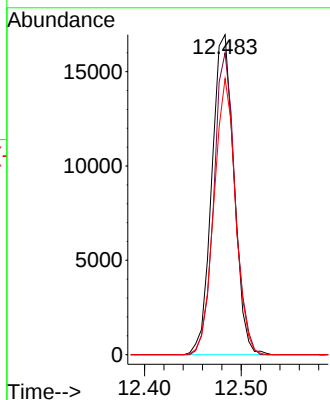
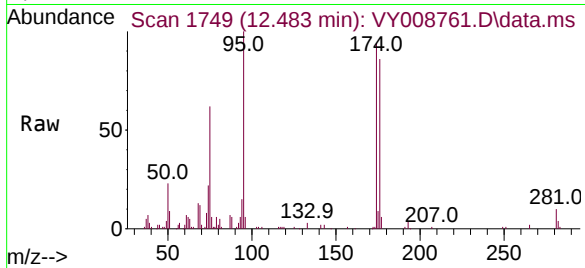




#62
4-Bromofluorobenzene
Concen: 39.940 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008761.D
Acq: 13 May 2022 19:55

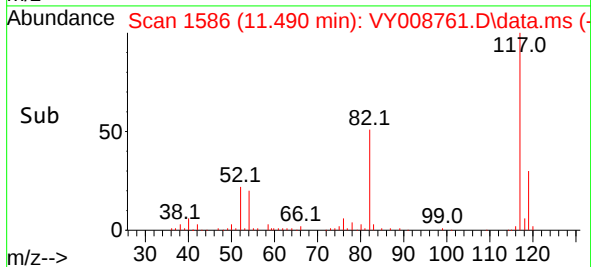
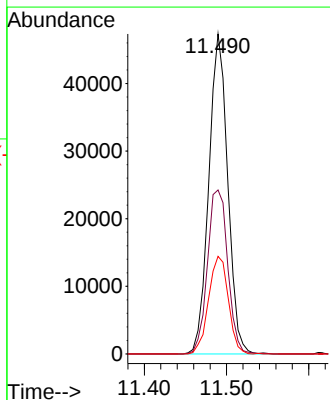
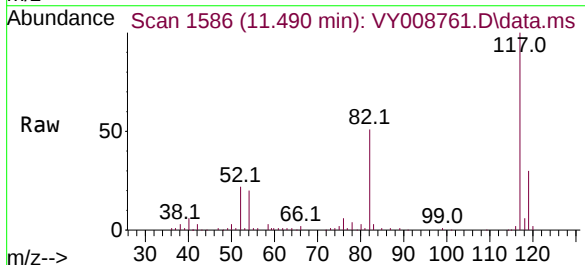
Instrument :
MSVOA_Y
ClientSampleId :
MH-35S

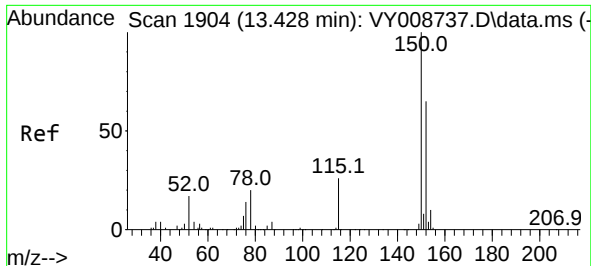
Tgt Ion: 95 Resp: 26949
Ion Ratio Lower Upper
95 100
174 90.1 0.0 171.2
176 84.1 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008761.D
Acq: 13 May 2022 19:55

Tgt Ion: 117 Resp: 75595
Ion Ratio Lower Upper
117 100
82 51.2 42.3 63.5
119 30.5 24.6 37.0

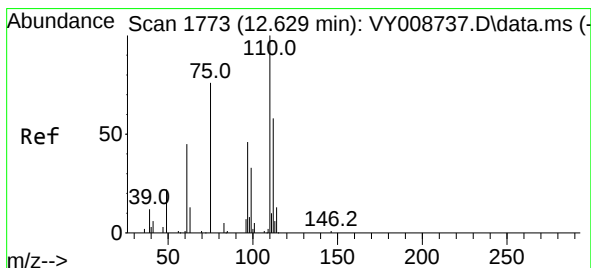
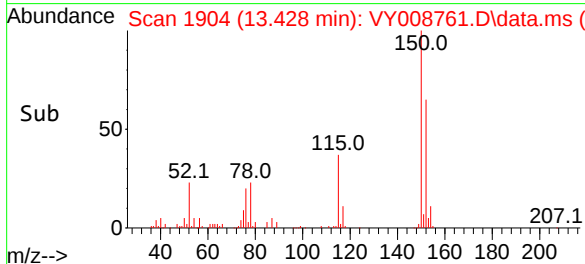
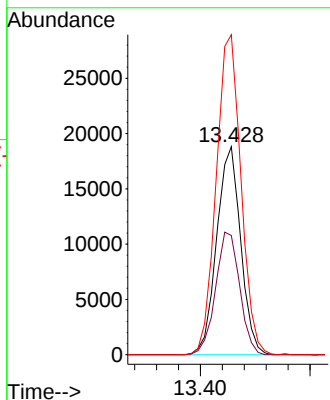
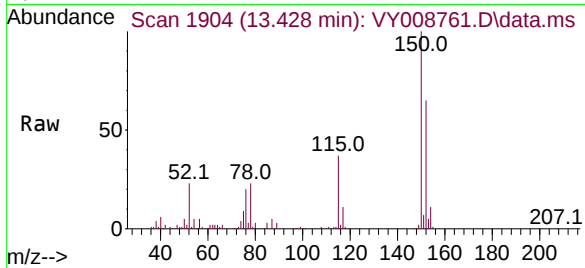




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008761.D
 Acq: 13 May 2022 19:55

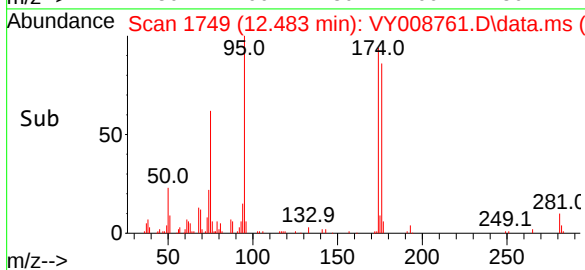
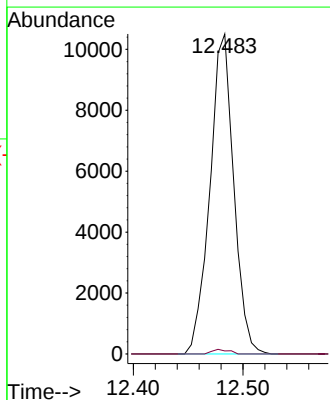
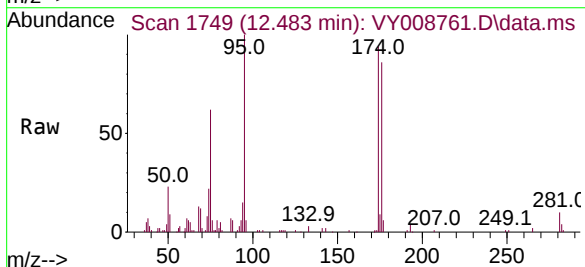
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-35S

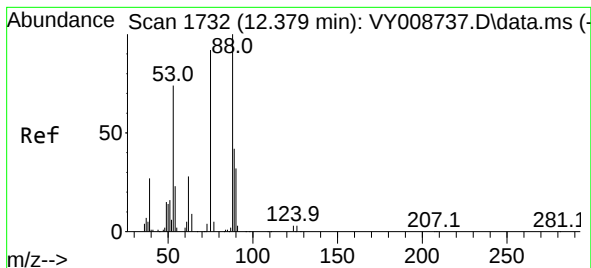
Tgt Ion:152 Resp: 28603
 Ion Ratio Lower Upper
 152 100
 115 59.1 28.2 84.7
 150 158.5 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 55.245 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY008761.D
 Acq: 13 May 2022 19:55

Tgt Ion: 75 Resp: 15901
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.728 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008761.D
 Acq: 13 May 2022 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-35S

Tgt Ion: 75 Resp: 15901
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.3 99.5#
 89 0.0 36.8 55.2#

