

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008837.D
 Acq On : 19 May 2022 01:01
 Operator : KP/MD
 Sample : N2869-10
 Misc : 5.94g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P029-SS001-2430-01

Quant Time: May 19 03:16:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

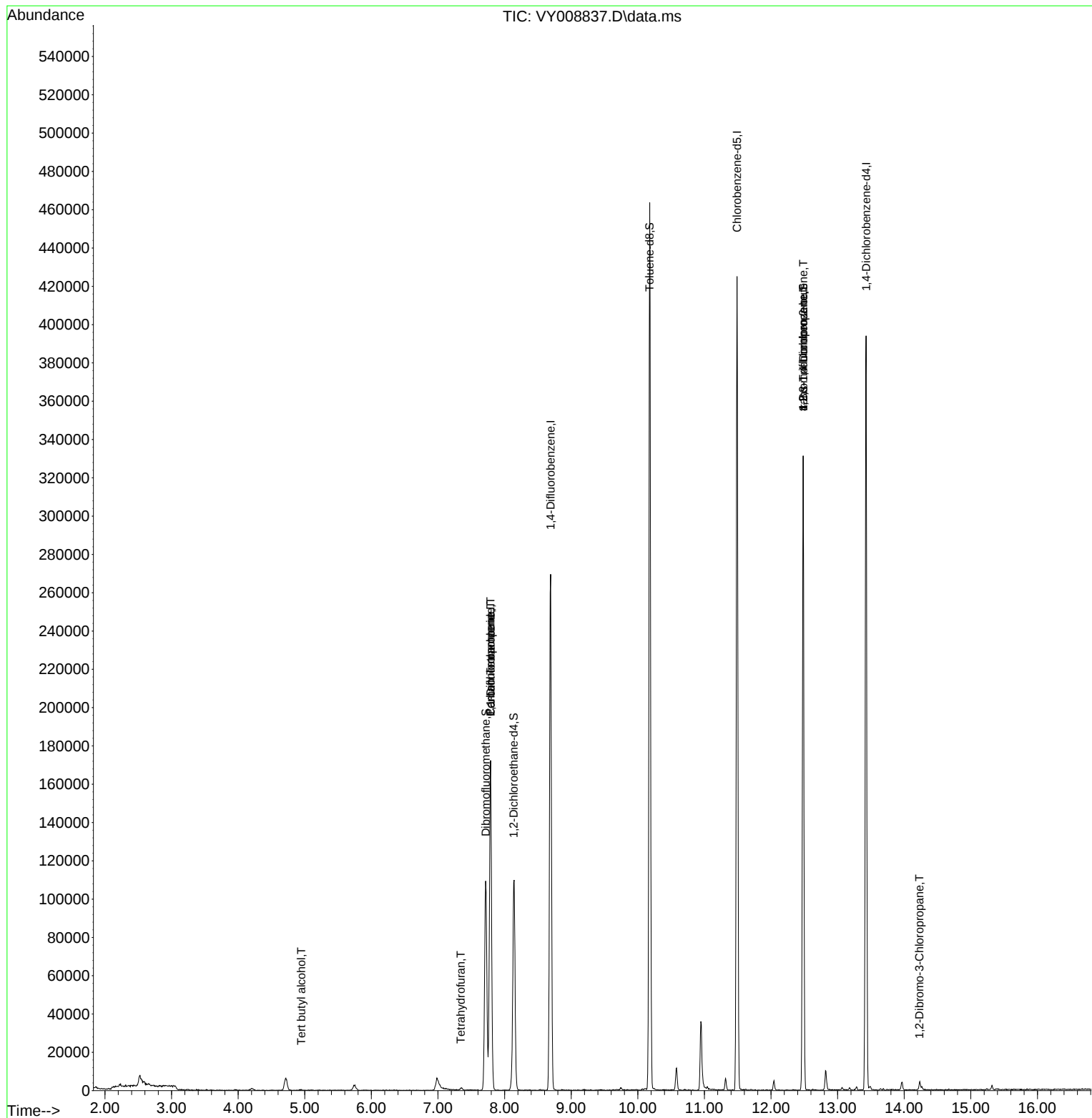
Internal Standards						
1) Pentafluorobenzene	7.789	168	129727	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	231490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	221552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81443	67.673	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.340%	
35) Dibromofluoromethane	7.716	113	74644	55.188	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.380%	
50) Toluene-d8	10.179	98	290152	48.372	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.740%	
62) 4-Bromofluorobenzene	12.483	95	85325	40.483	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.960%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	266	Below Cal	#	44
4) Vinyl Chloride	2.217	62	40	Below Cal	#	43
5) Bromomethane	2.643	94	290	Below Cal	#	4
6) Chloroethane	2.930	64	19	Below Cal	#	43
11) Tert butyl alcohol	4.948	59	172	1.293	ug/l #	77
16) Acetone	3.948	43	598	Below Cal	#	47
18) Methyl Acetate	4.210	43	273	Below Cal	#	56
20) Methylene Chloride	4.716	84	4479	Below Cal	#	94
29) Tetrahydrofuran	7.344	42	633	1.881	ug/l #	77
31) Cyclohexane	7.795	56	3277	Below Cal	#	35
36) 1,1-Dichloropropene	7.789	75	10932	5.046	ug/l #	50
38) Carbon Tetrachloride	7.789	117	13129	5.655	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	48803	44.943	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48803	98.304	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.227	75	471	1.922	ug/l #	6

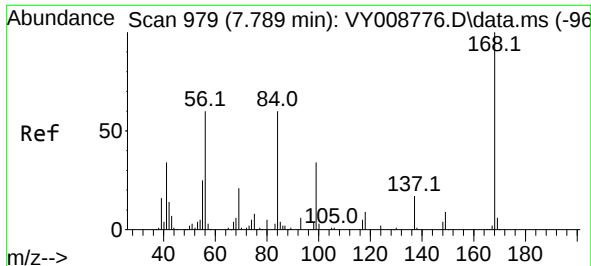
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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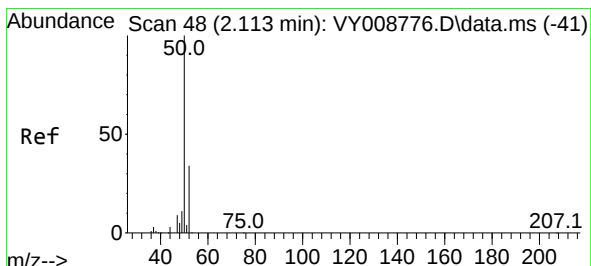
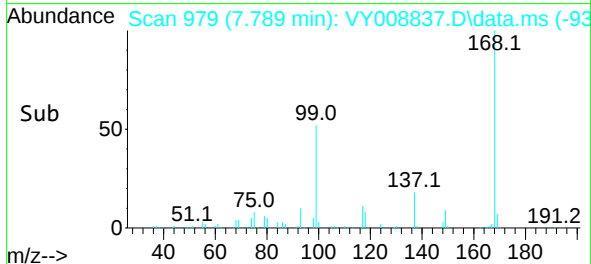
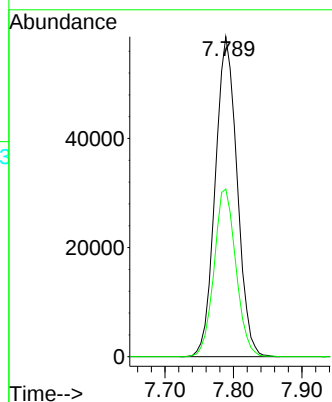
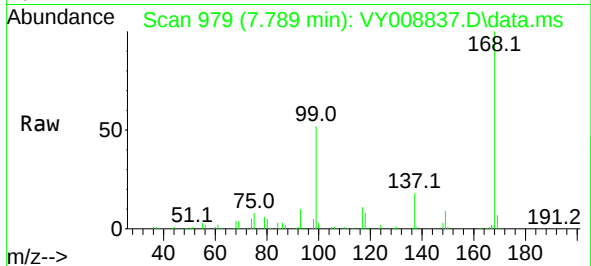




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008837.D
Acq: 19 May 2022 01:01

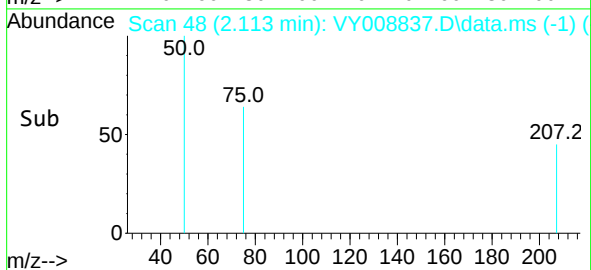
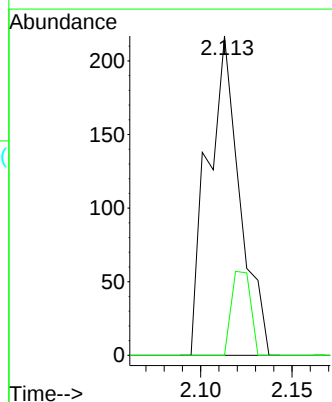
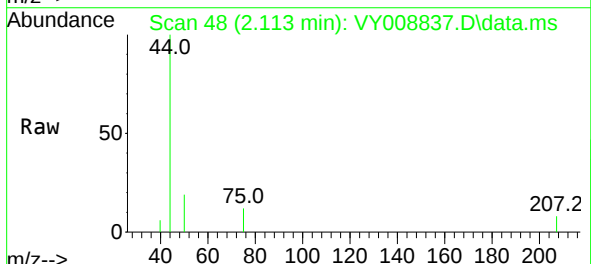
Instrument :
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ClientSampleId :
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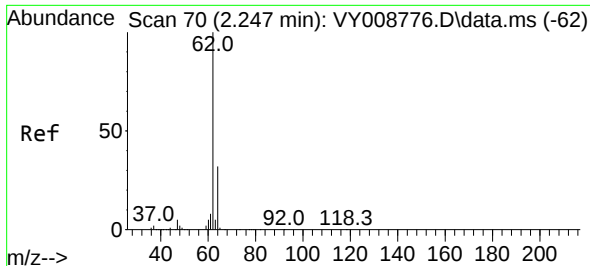
Tgt Ion:168 Resp: 129727
Ion Ratio Lower Upper
168 100
99 52.4 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008837.D
Acq: 19 May 2022 01:01

Tgt Ion: 50 Resp: 266
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

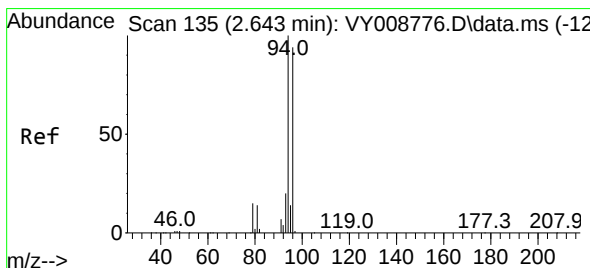
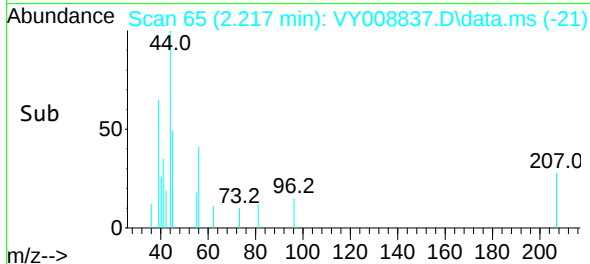
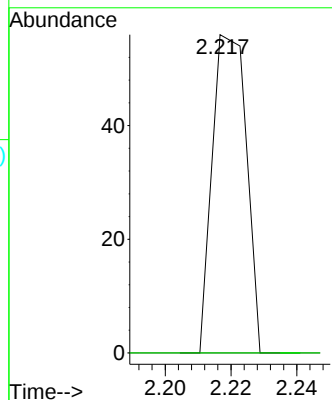
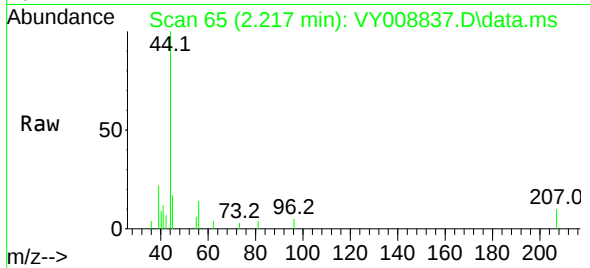




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.217 min Scan# 61
 Delta R.T. -0.030 min
 Lab File: VY008837.D
 Acq: 19 May 2022 01:01

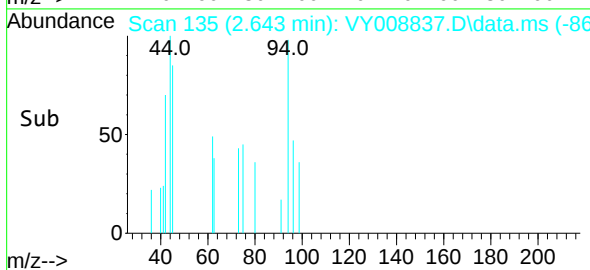
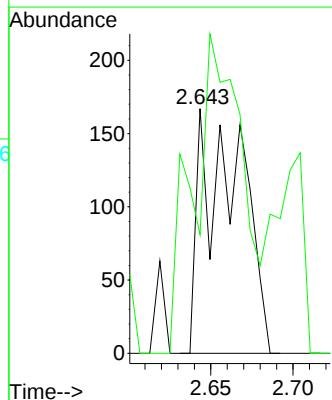
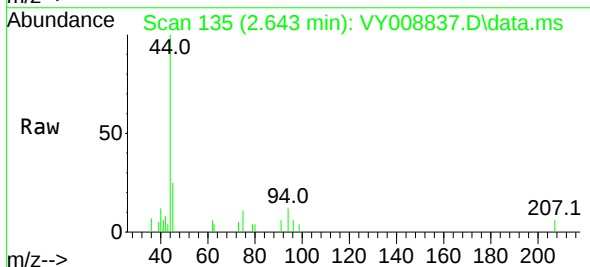
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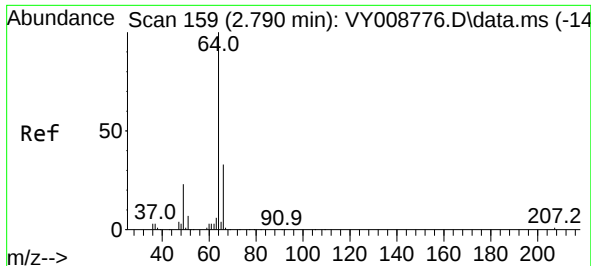
Tgt Ion: 62 Resp: 40
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.643 min Scan# 135
 Delta R.T. 0.000 min
 Lab File: VY008837.D
 Acq: 19 May 2022 01:01

Tgt Ion: 94 Resp: 290
 Ion Ratio Lower Upper
 94 100
 96 0.0 73.5 110.3#

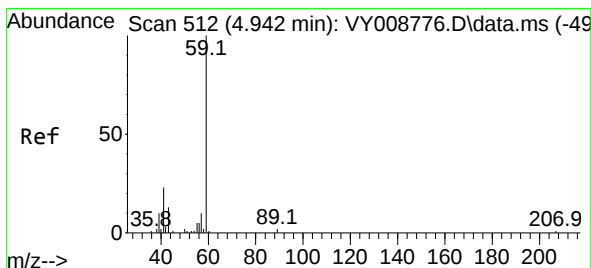
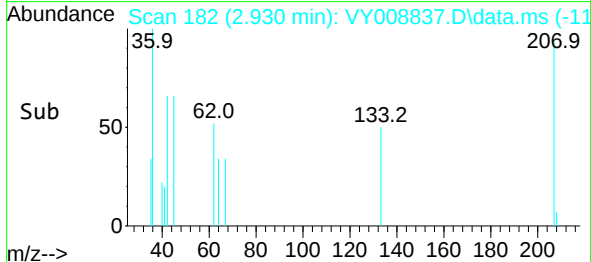
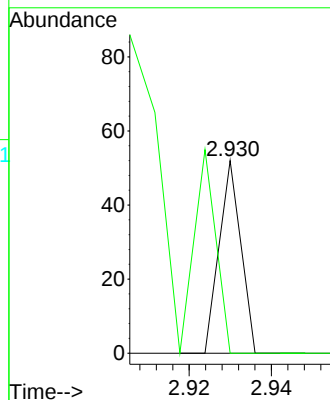
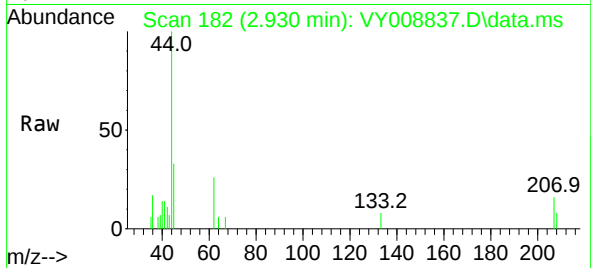




#6
Chloroethane
Concen: Below Cal
RT: 2.930 min Scan# 11
Delta R.T. 0.140 min
Lab File: VY008837.D
Acq: 19 May 2022 01:01

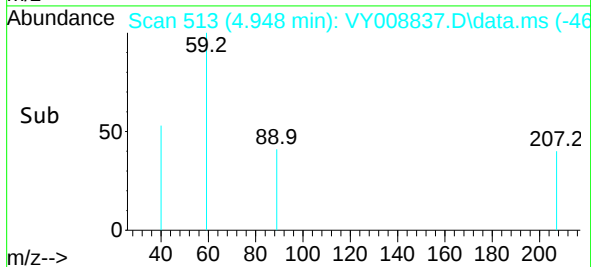
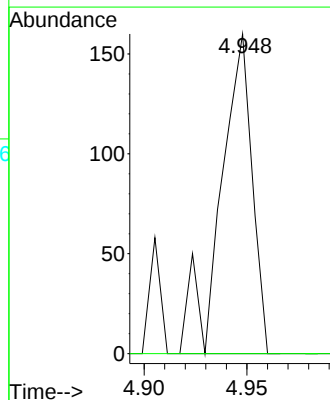
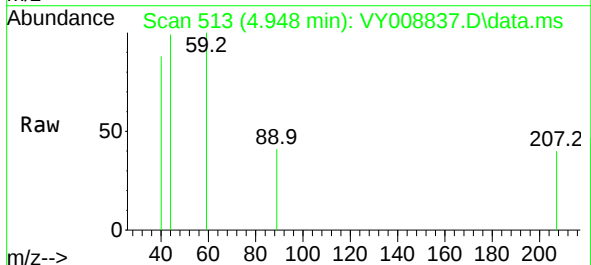
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-2430-01

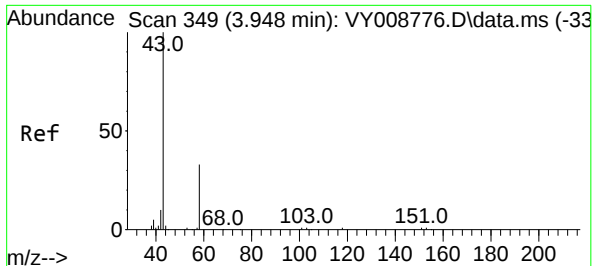
Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 1.293 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY008837.D
Acq: 19 May 2022 01:01

Tgt Ion: 59 Resp: 172
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

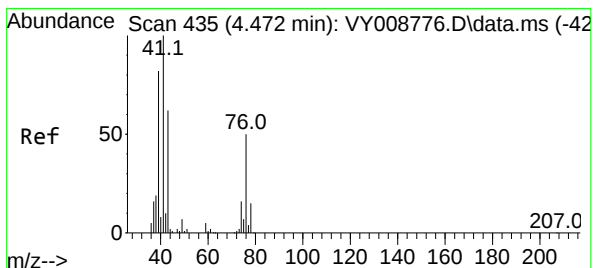
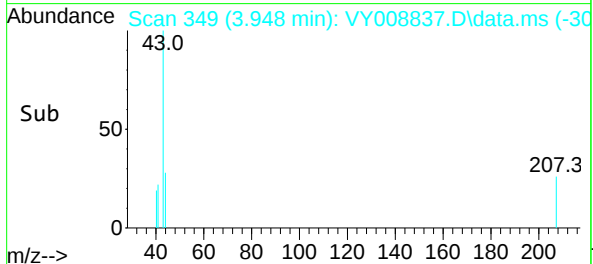
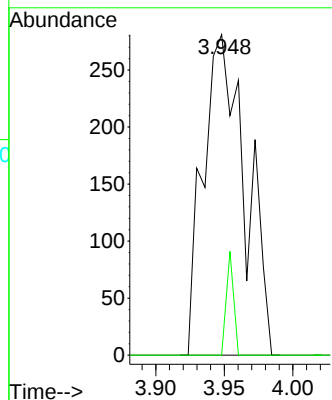
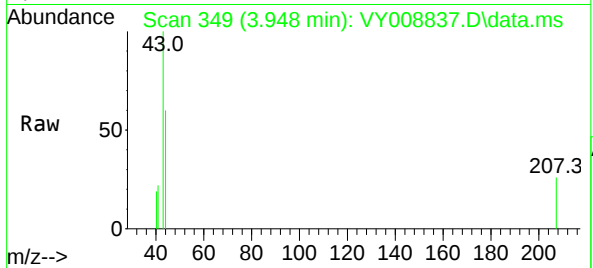




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY008837.D
Acq: 19 May 2022 01:01

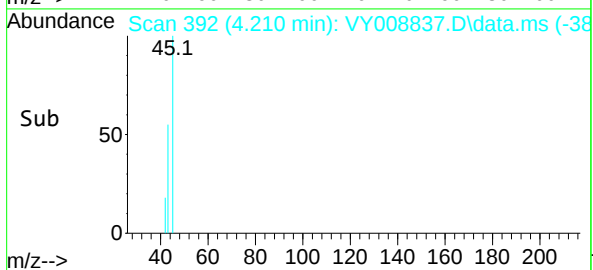
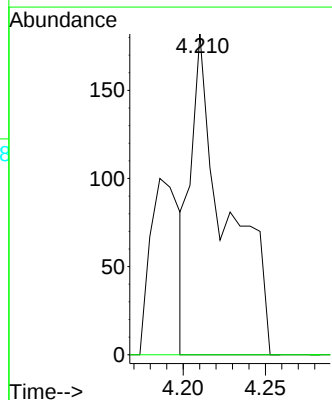
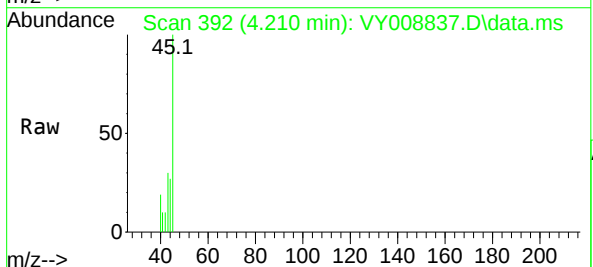
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-2430-01

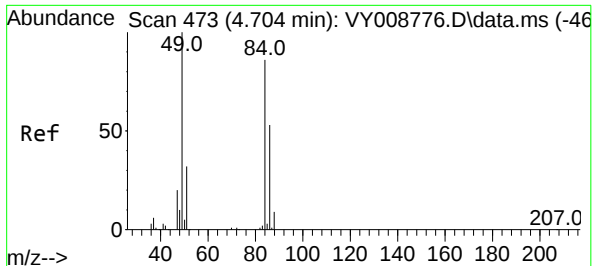
Tgt Ion: 43 Resp: 598
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.210 min Scan# 392
Delta R.T. -0.262 min
Lab File: VY008837.D
Acq: 19 May 2022 01:01

Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY008837.D

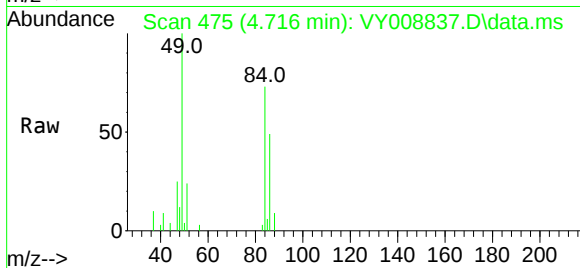
Acq: 19 May 2022 01:01

Instrument :

MSVOA_Y

ClientSampleId :

P029-SS001-2430-01



Tgt Ion: 84 Resp: 4479

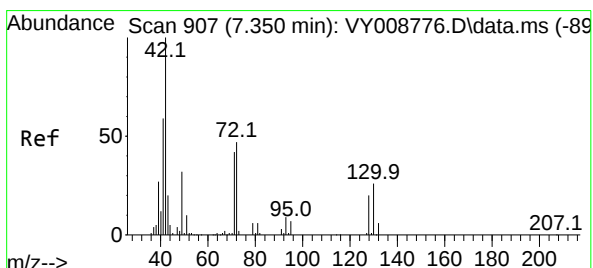
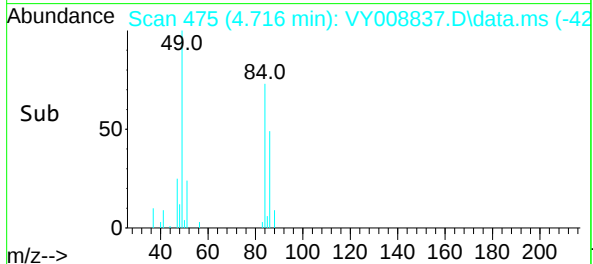
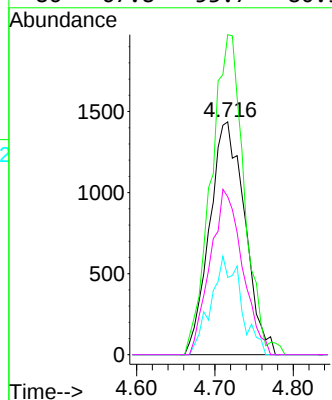
Ion Ratio Lower Upper

84 100

49 137.5 114.4 171.6

51 33.2 35.3 52.9#

86 67.8 53.7 80.5



#29

Tetrahydrofuran

Concen: 1.881 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY008837.D

Acq: 19 May 2022 01:01

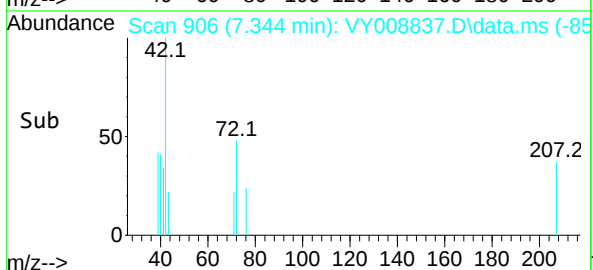
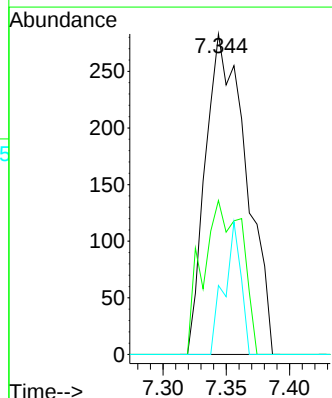
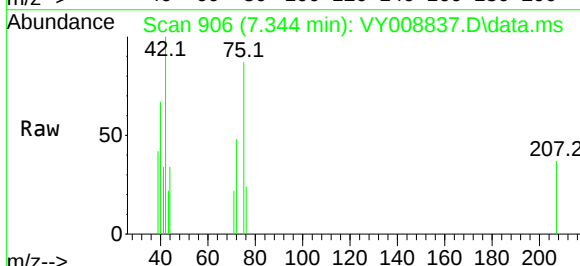
Tgt Ion: 42 Resp: 633

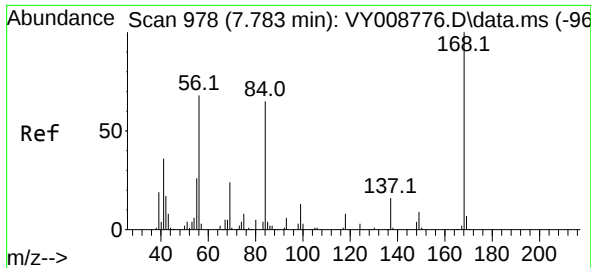
Ion Ratio Lower Upper

42 100

72 46.1 30.3 45.5#

71 17.1 29.0 43.4#

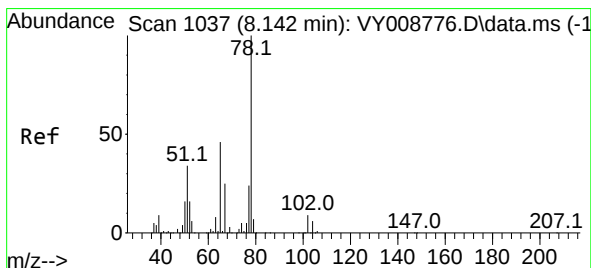
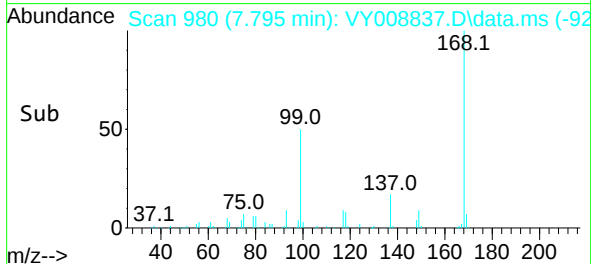
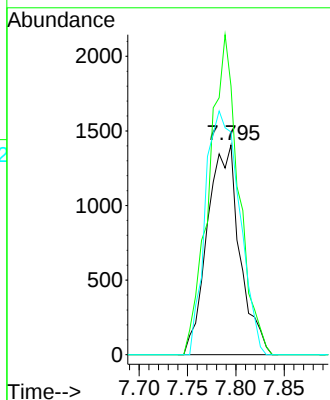
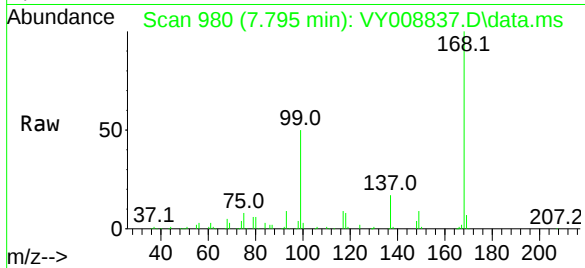




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY008837.D
Acq: 19 May 2022 01:01

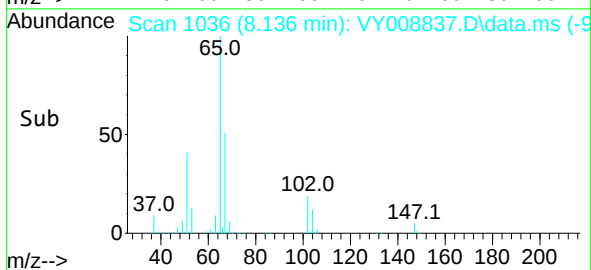
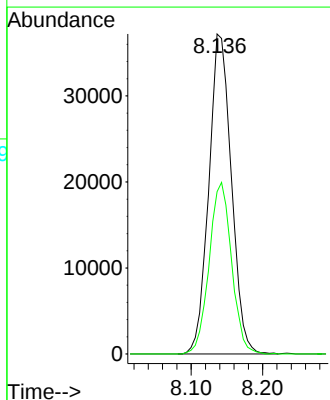
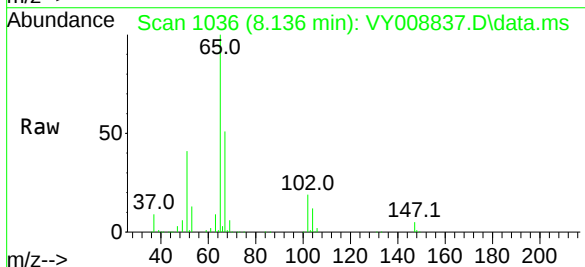
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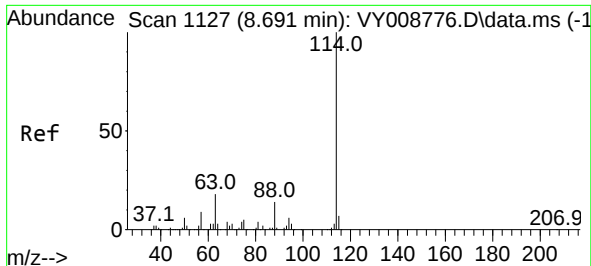
Tgt Ion: 56 Resp: 3277
Ion Ratio Lower Upper
56 100
69 128.2 26.7 40.1#
84 106.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 67.673 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008837.D
Acq: 19 May 2022 01:01

Tgt Ion: 65 Resp: 81443
Ion Ratio Lower Upper
65 100
67 53.3 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: VY008837.D

Acq: 19 May 2022 01:01

Instrument :

MSVOA_Y

ClientSampleId :

P029-SS001-2430-01

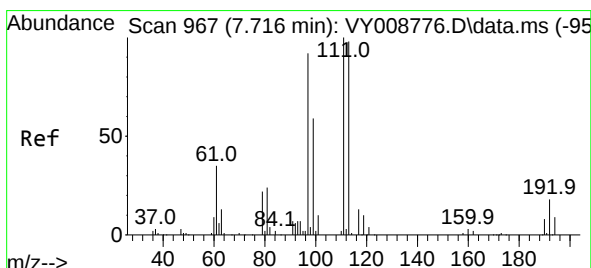
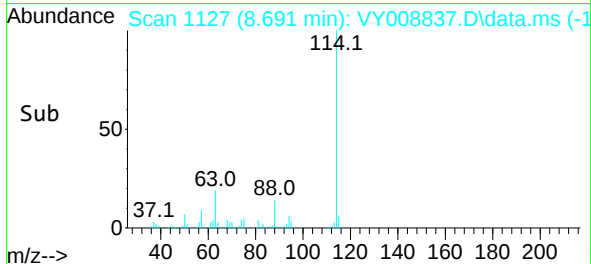
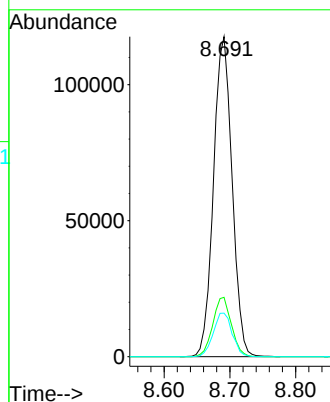
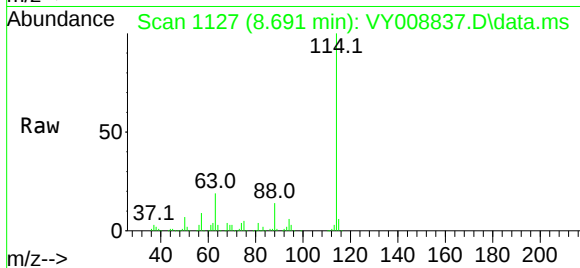
Tgt Ion:114 Resp: 231490

Ion Ratio Lower Upper

114 100

63 18.5 0.0 43.2

88 13.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.188 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008837.D

Acq: 19 May 2022 01:01

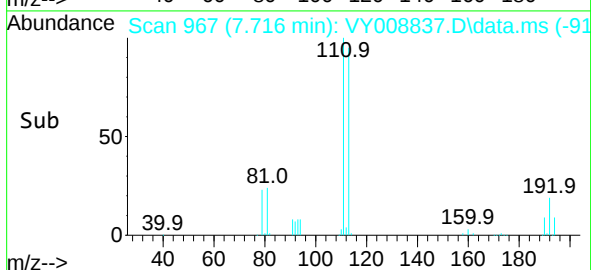
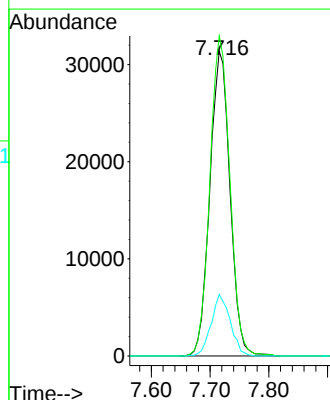
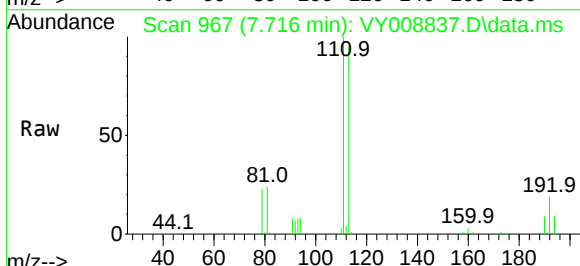
Tgt Ion:113 Resp: 74644

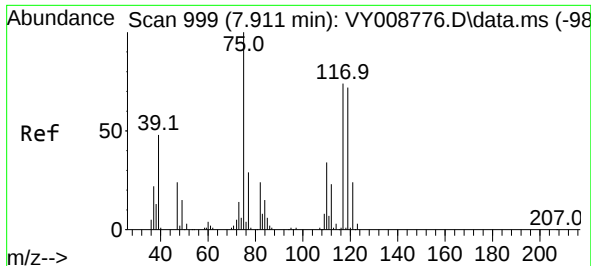
Ion Ratio Lower Upper

113 100

111 104.2 82.6 124.0

192 19.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.046 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY008837.D

Acq: 19 May 2022 01:01

Instrument :

MSVOA_Y

ClientSampleId :

P029-SS001-2430-01

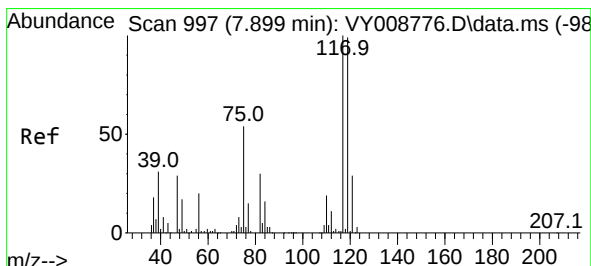
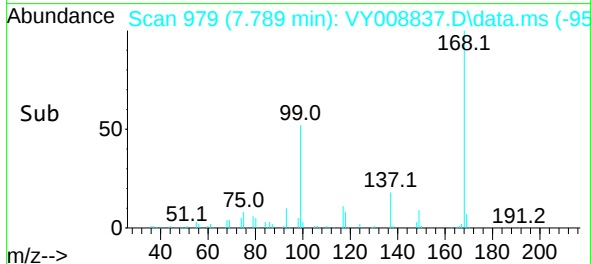
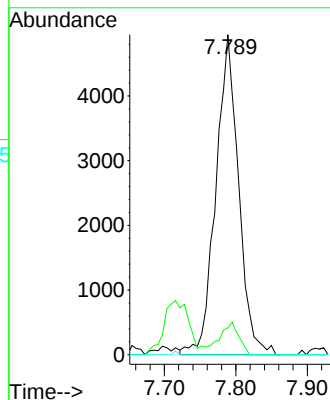
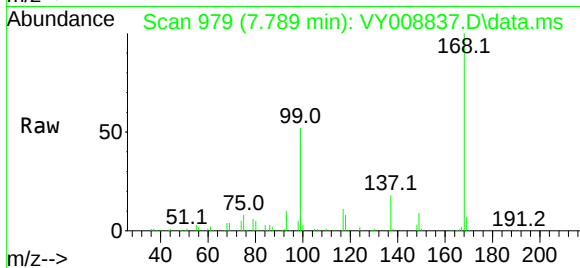
Tgt Ion: 75 Resp: 10932

Ion Ratio Lower Upper

75 100

110 8.5 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.655 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008837.D

Acq: 19 May 2022 01:01

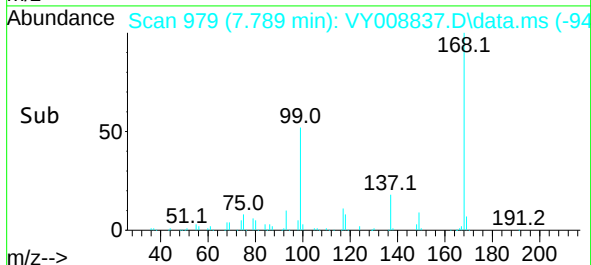
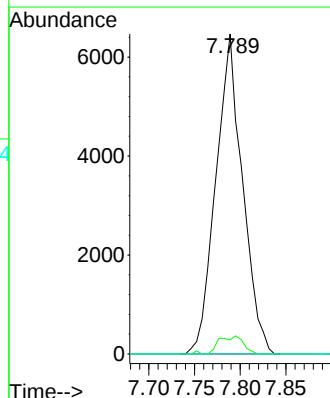
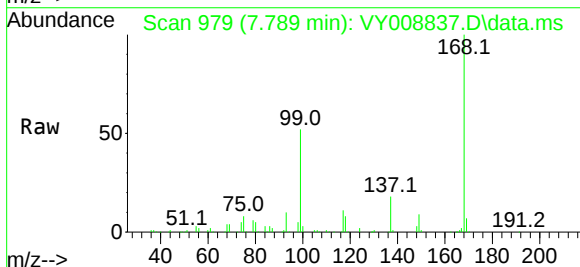
Tgt Ion: 117 Resp: 13129

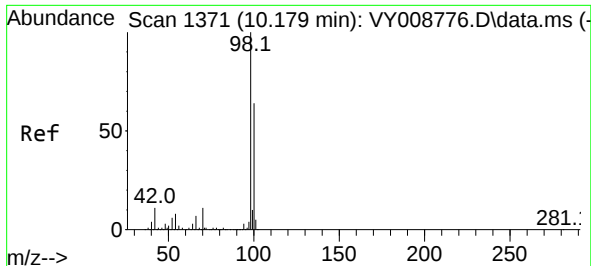
Ion Ratio Lower Upper

117 100

119 4.4 77.9 116.9#

121 0.0 24.8 37.2#

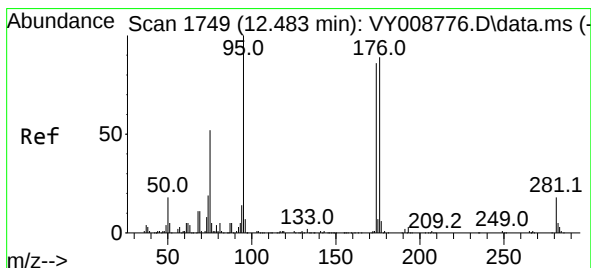
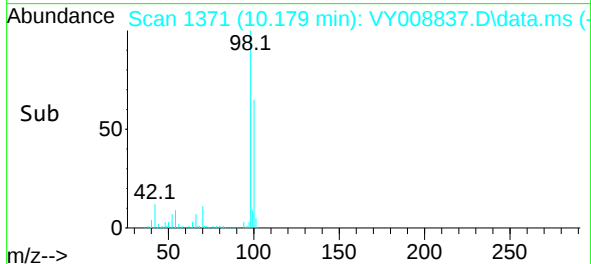
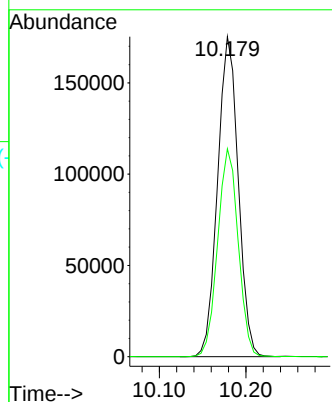
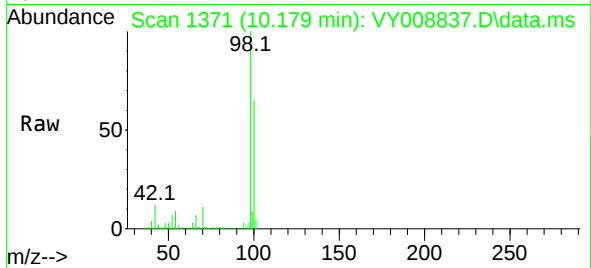




#50
Toluene-d8
Concen: 48.372 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008837.D
Acq: 19 May 2022 01:01

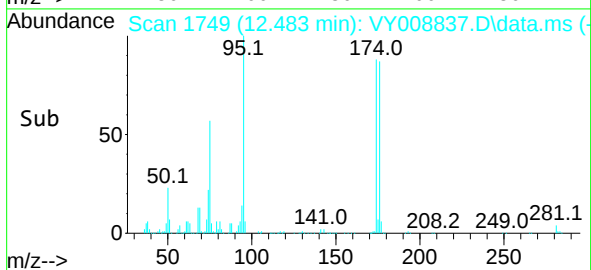
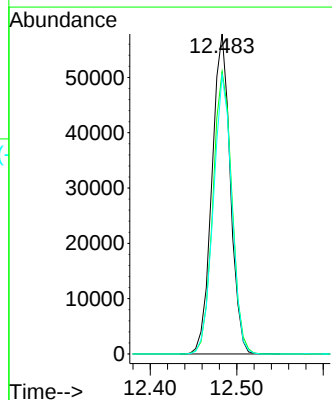
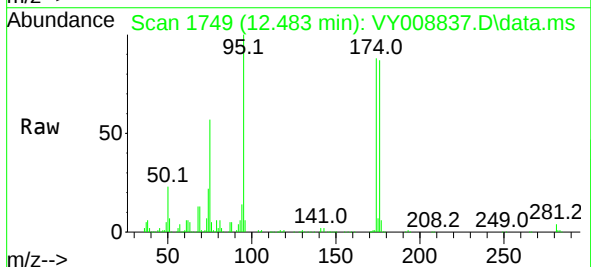
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-2430-01

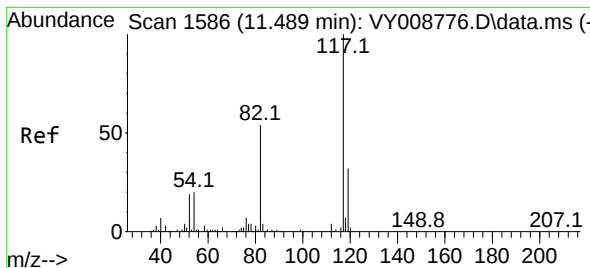
Tgt Ion: 98 Resp: 290152
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.483 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008837.D
Acq: 19 May 2022 01:01

Tgt Ion: 95 Resp: 85325
Ion Ratio Lower Upper
95 100
174 91.1 0.0 177.0
176 87.3 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: VY008837.D

Acq: 19 May 2022 01:01

Instrument :

MSVOA_Y

ClientSampleId :

P029-SS001-2430-01

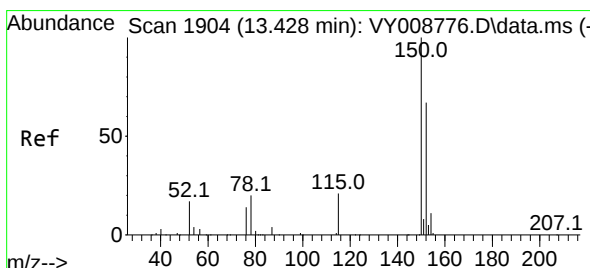
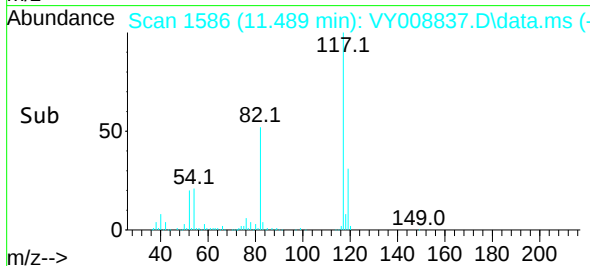
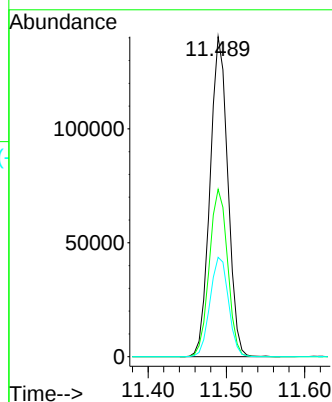
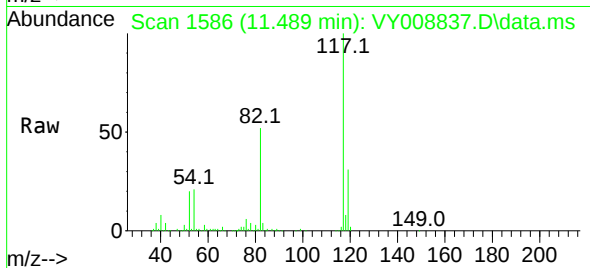
Tgt Ion:117 Resp: 221552

Ion Ratio Lower Upper

117 100

82 52.3 43.0 64.4

119 31.1 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: VY008837.D

Acq: 19 May 2022 01:01

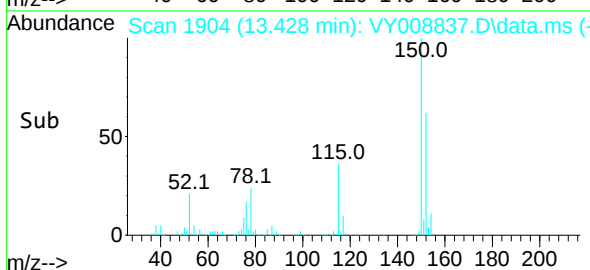
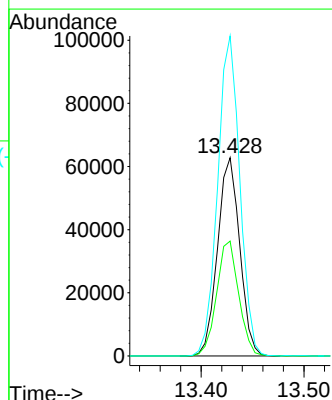
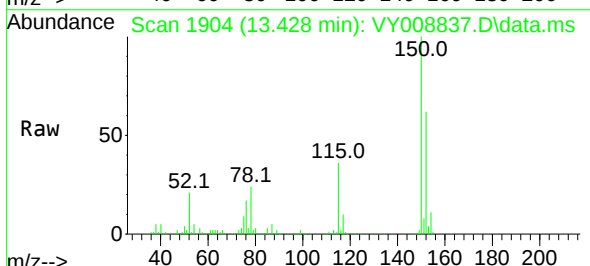
Tgt Ion:152 Resp: 94004

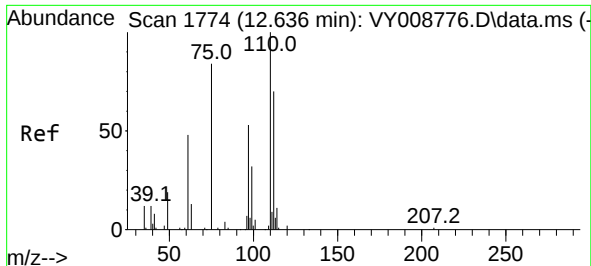
Ion Ratio Lower Upper

152 100

115 57.9 28.2 84.7

150 161.2 0.0 347.6

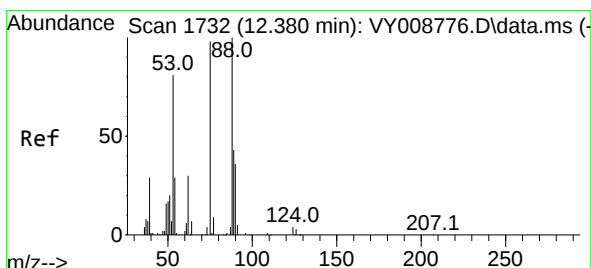
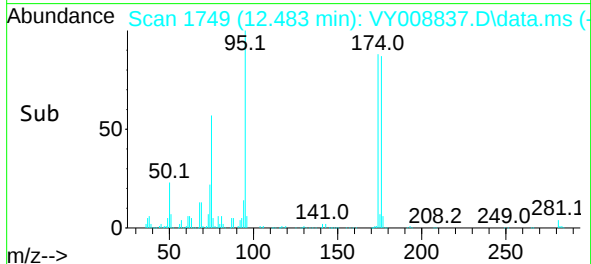
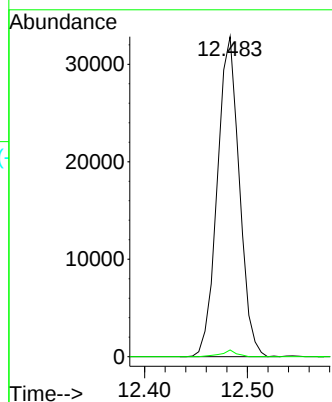
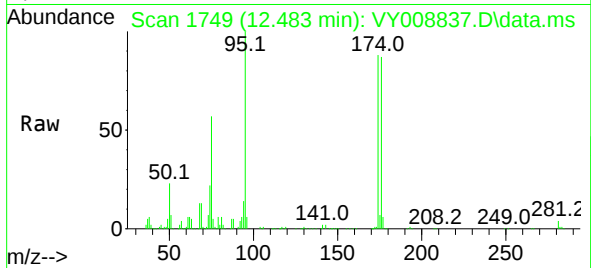




#76
1,2,3-Trichloropropane
Concen: 44.943 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008837.D
Acq: 19 May 2022 01:01

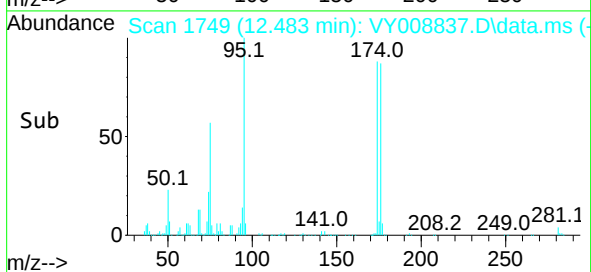
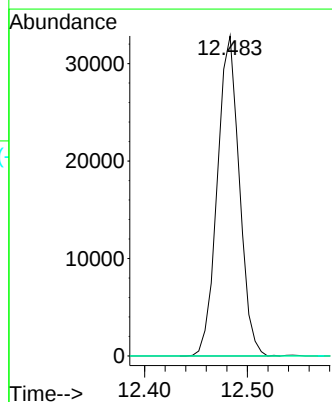
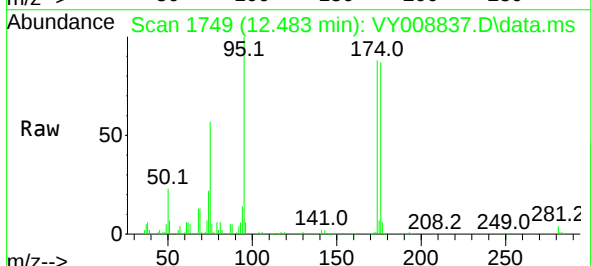
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-2430-01

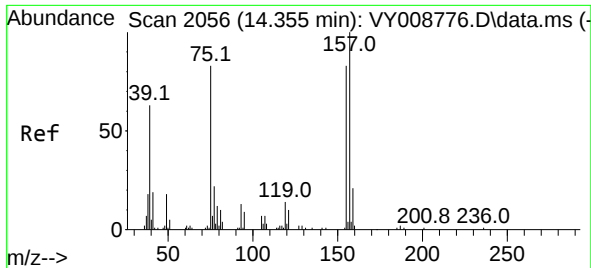
Tgt Ion: 75 Resp: 48803
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.304 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008837.D
Acq: 19 May 2022 01:01

Tgt Ion: 75 Resp: 48803
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.922 ug/l

RT: 14.227 min Scan# 20

Delta R.T. -0.128 min

Lab File: VY008837.D

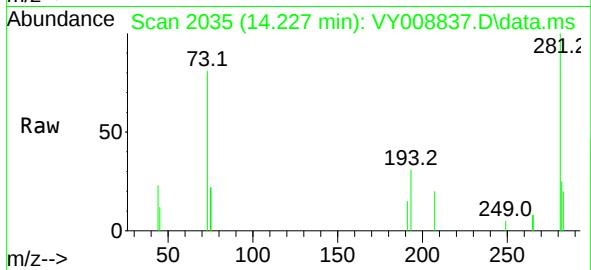
Acq: 19 May 2022 01:01

Instrument :

MSVOA_Y

ClientSampleId :

P029-SS001-2430-01



Tgt Ion: 75 Resp: 471

Ion Ratio Lower Upper

75 100

155 0.0 38.0 113.9#

157 0.0 47.8 143.3#

