

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008953.D
 Acq On : 21 May 2022 16:37
 Operator : KP/MD
 Sample : N2919-18
 Misc : 6.29g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P015-SS002-0612-01

Quant Time: May 21 21:30:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

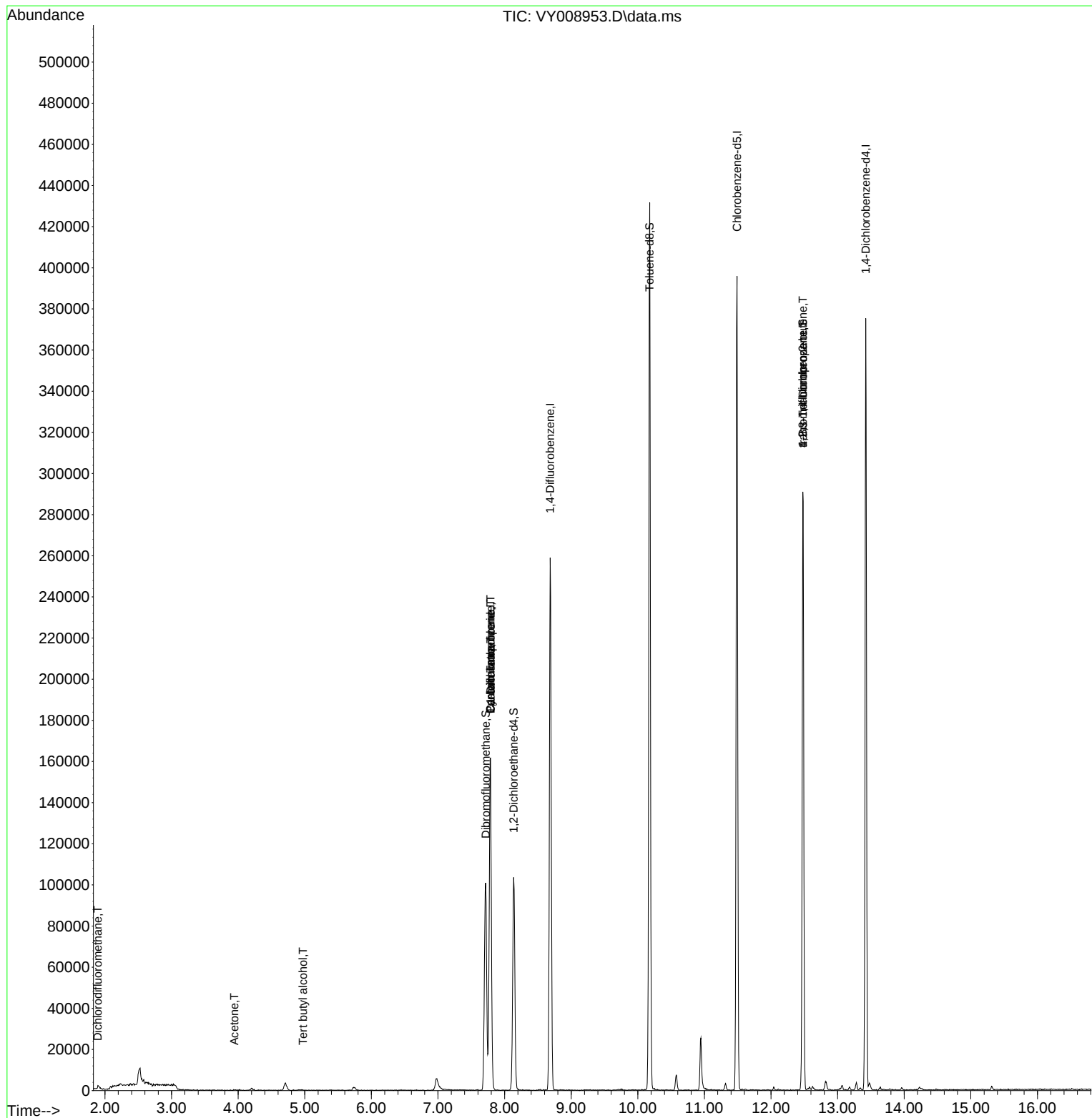
Internal Standards						
1) Pentafluorobenzene	7.789	168	120554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	216552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	205242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	77400	62.383	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.760%	
35) Dibromofluoromethane	7.716	113	70266	52.180	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.360%	
50) Toluene-d8	10.179	98	272854	54.924	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.840%	
62) 4-Bromofluorobenzene	12.477	95	78241	39.043	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 78.080%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.894	85	1374	1.246	ug/l	75
11) Tert butyl alcohol	4.972	59	245	1.947	ug/l #	77
16) Acetone	3.942	43	391	1.514	ug/l #	47
20) Methylene Chloride	4.716	84	2635	Below Cal	#	61
31) Cyclohexane	7.789	56	2840	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10180	4.442	ug/l #	51
38) Carbon Tetrachloride	7.789	117	12590	5.252	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	47083	48.241	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	47083	99.015	ug/l #	7

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

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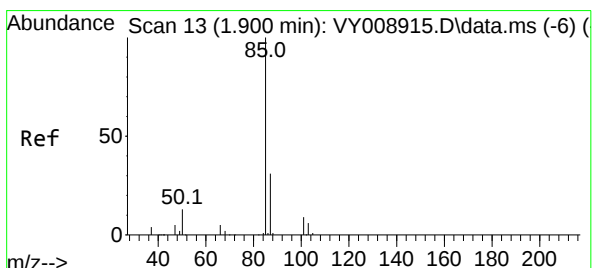
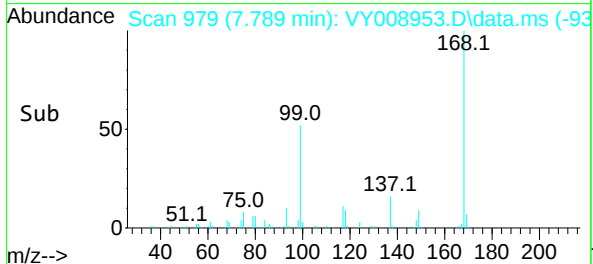
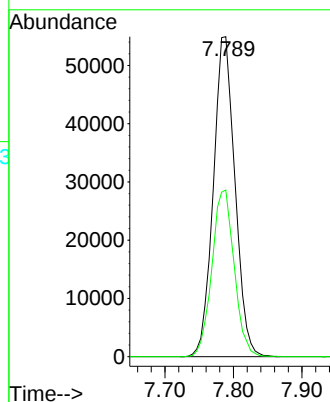
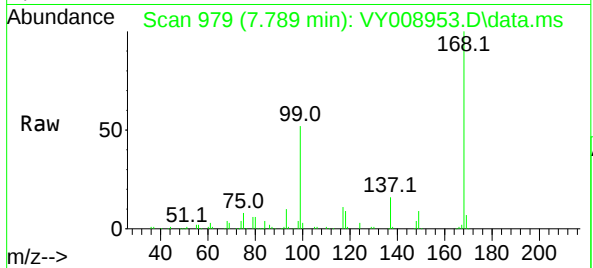




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008953.D
Acq: 21 May 2022 16:37

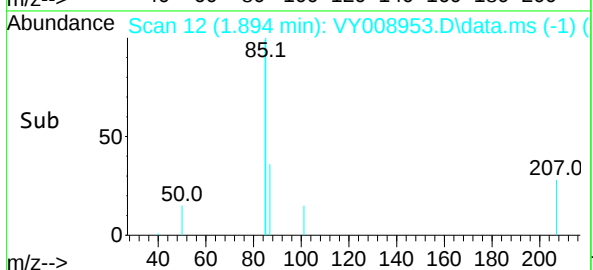
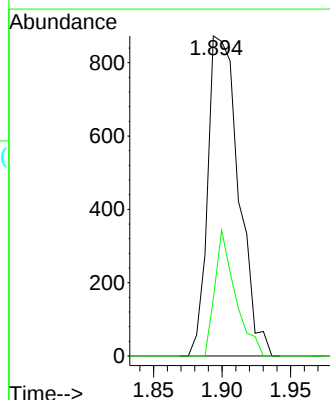
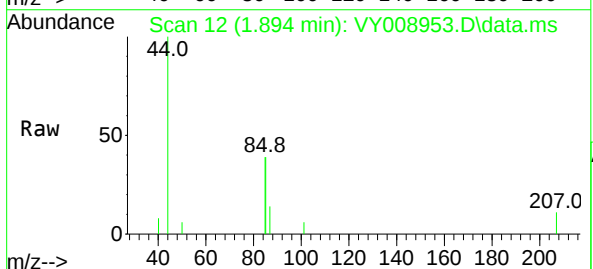
Instrument :
MSVOA_Y
ClientSampleId :
P015-SS002-0612-01

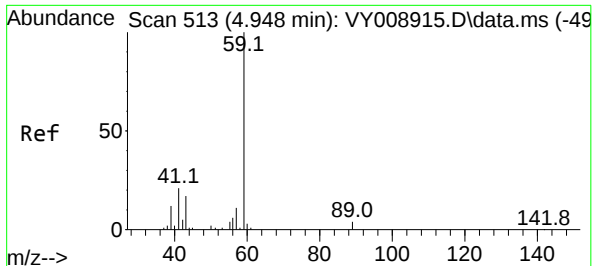
Tgt Ion:168 Resp: 120554
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.246 ug/l
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY008953.D
Acq: 21 May 2022 16:37

Tgt Ion: 85 Resp: 1374
Ion Ratio Lower Upper
85 100
87 17.9 16.1 48.2





#11

Tert butyl alcohol

Concen: 1.947 ug/l

RT: 4.972 min Scan# 51

Delta R.T. 0.024 min

Lab File: VY008953.D

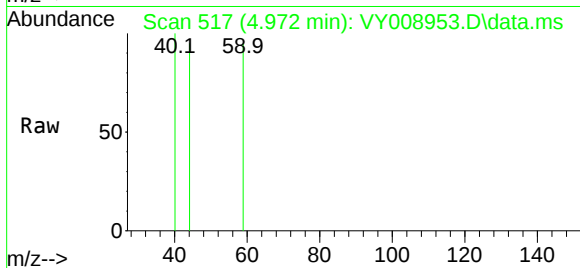
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Instrument :

MSVOA_Y

ClientSampleId :

P015-SS002-0612-01

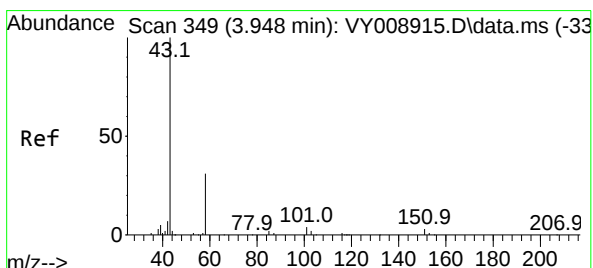
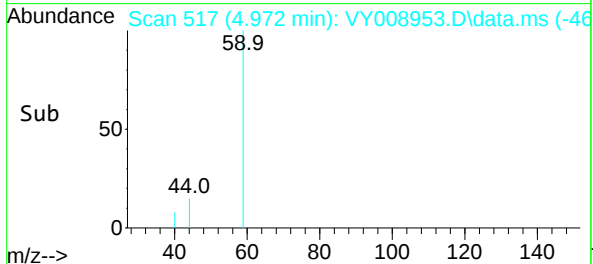
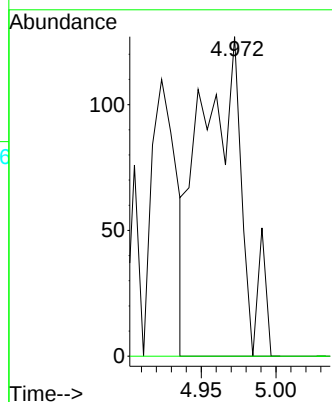


Tgt Ion: 59 Resp: 245

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.514 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY008953.D

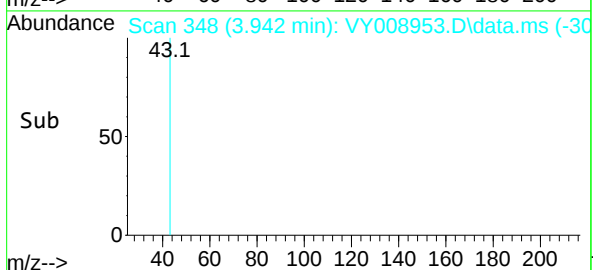
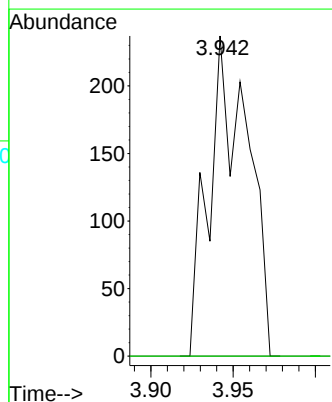
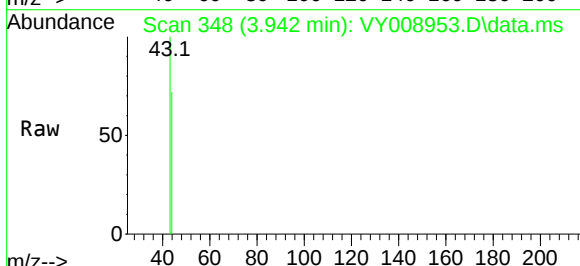
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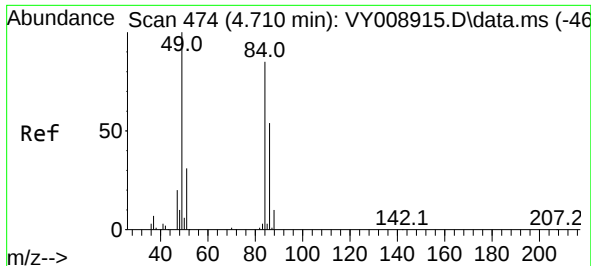
Tgt Ion: 43 Resp: 391

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY008953.D

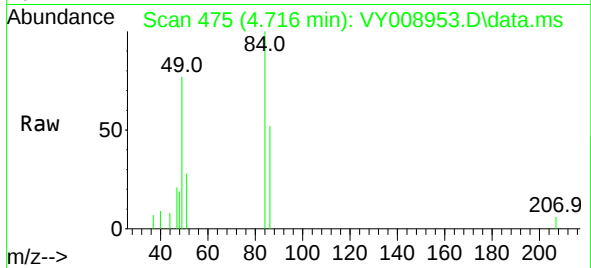
Acq: 21 May 2022 16:37

Instrument :

MSVOA_Y

ClientSampleId :

P015-SS002-0612-01



Tgt Ion: 84 Resp: 2635

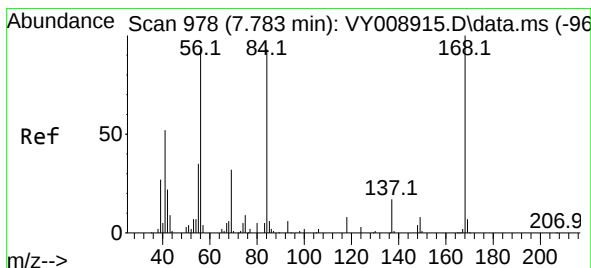
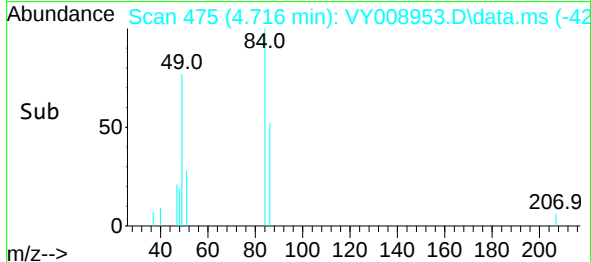
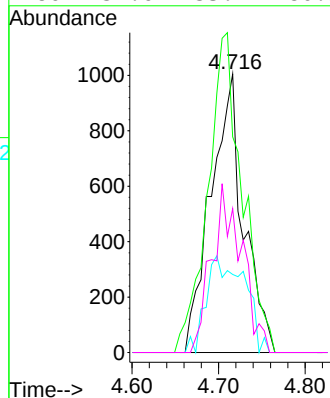
Ion Ratio Lower Upper

84 100

49 77.4 114.4 171.6#

51 28.1 35.3 52.9#

86 51.6 53.7 80.5#



#31

Cyclohexane

Concen: 1.170 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008953.D

Acq: 21 May 2022 16:37

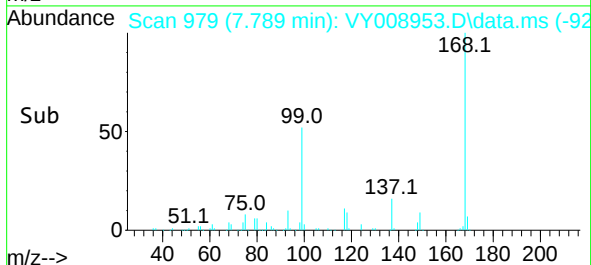
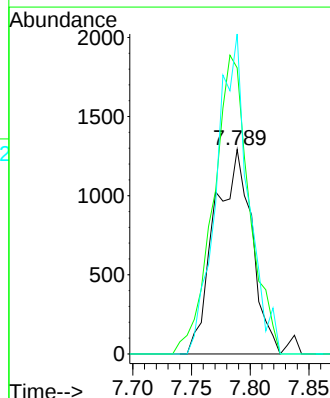
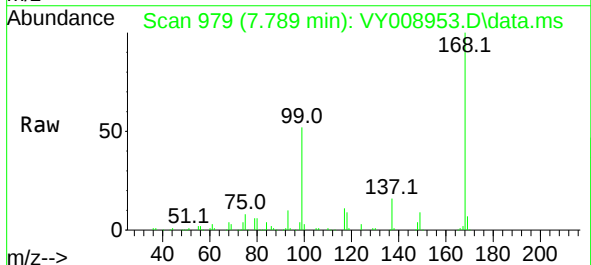
Tgt Ion: 56 Resp: 2840

Ion Ratio Lower Upper

56 100

69 139.9 26.7 40.1#

84 156.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.383 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY008953.D

Acq: 21 May 2022 16:37

Instrument :

MSVOA_Y

ClientSampleId :

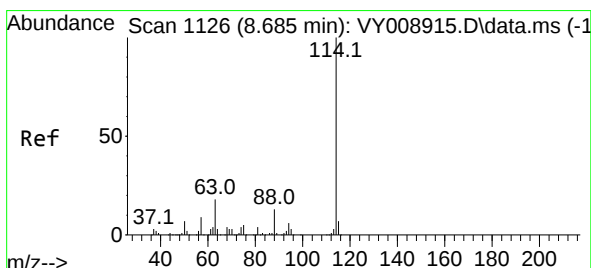
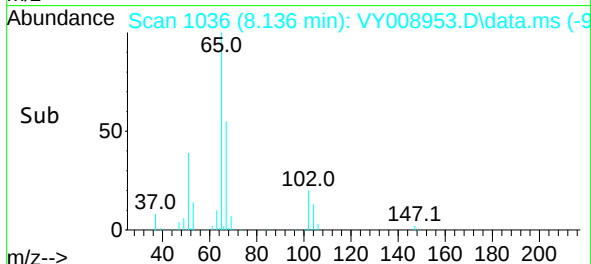
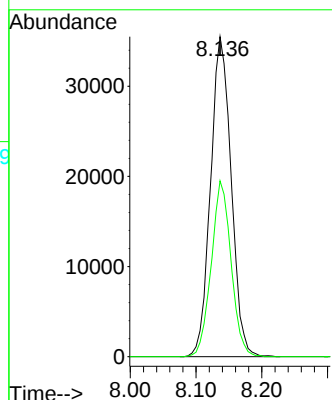
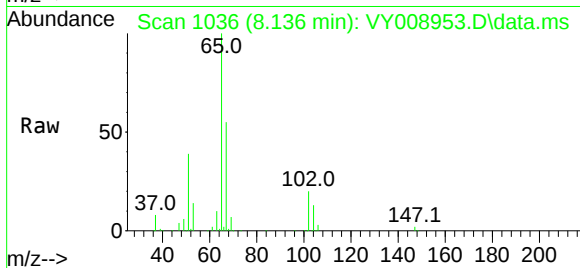
P015-SS002-0612-01

Tgt Ion: 65 Resp: 77400

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY008953.D

Acq: 21 May 2022 16:37

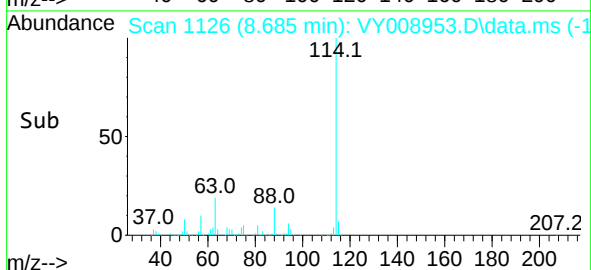
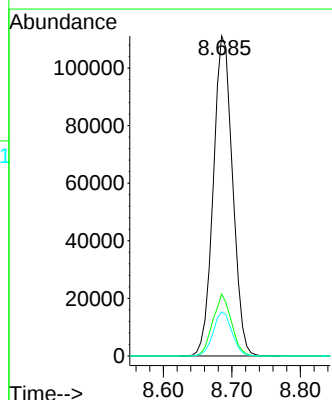
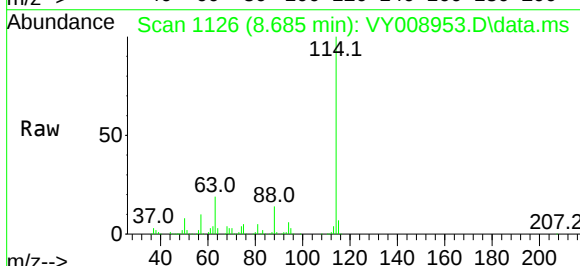
Tgt Ion: 114 Resp: 216552

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 13.8 0.0 31.8

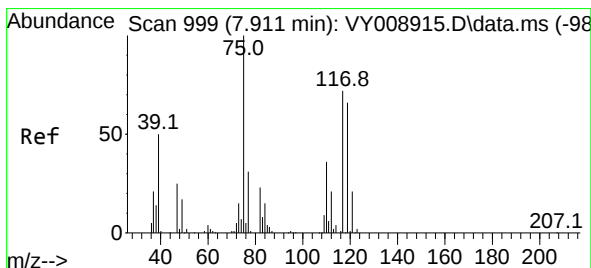
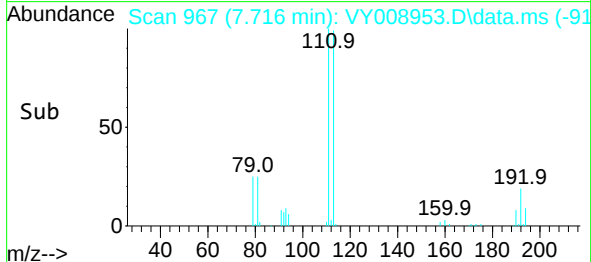
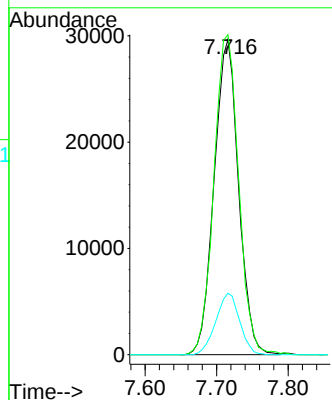
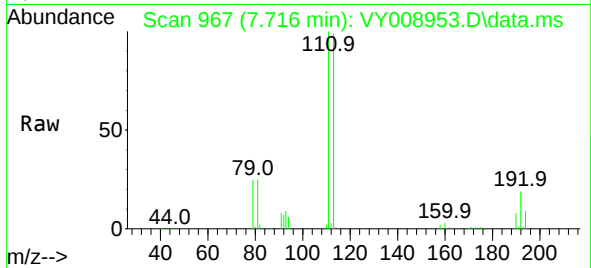




#35
Dibromofluoromethane
Concen: 52.180 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY008953.D
Acq: 21 May 2022 16:37

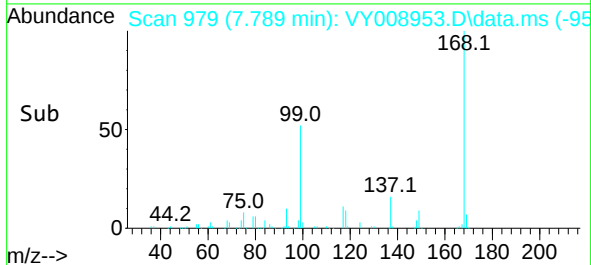
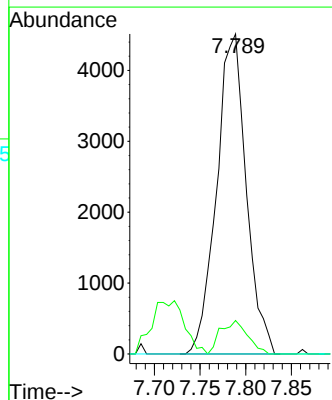
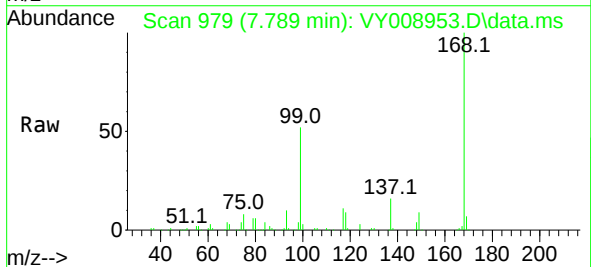
Instrument :
MSVOA_Y
ClientSampleId :
P015-SS002-0612-01

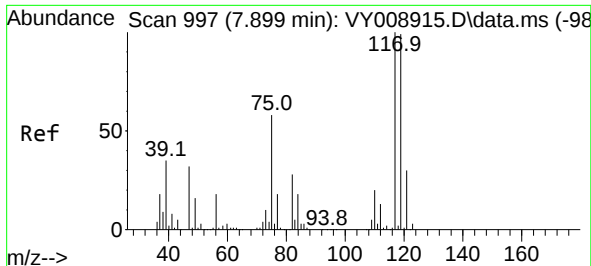
Tgt Ion:113 Resp: 70266
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 19.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.442 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY008953.D
Acq: 21 May 2022 16:37

Tgt Ion: 75 Resp: 10180
Ion Ratio Lower Upper
75 100
110 9.6 17.1 51.2#
77 0.0 24.4 36.6#

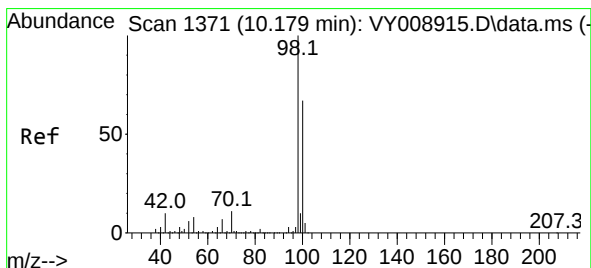
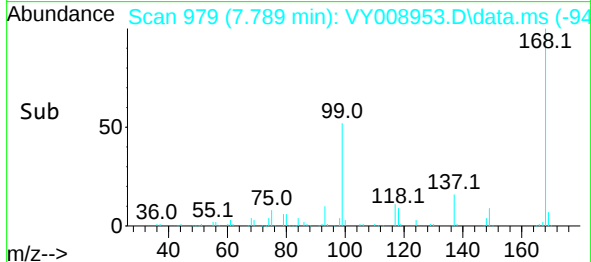
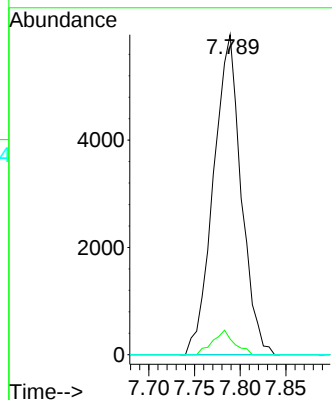
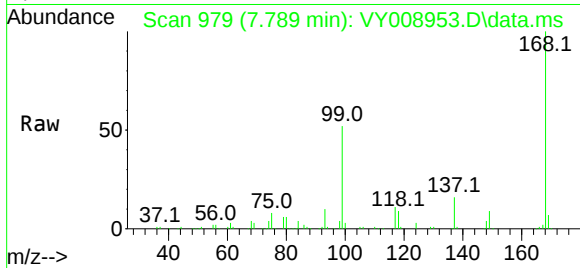




#38
Carbon Tetrachloride
Concen: 5.252 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008953.D
Acq: 21 May 2022 16:37

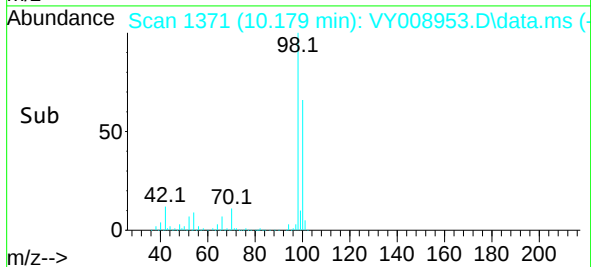
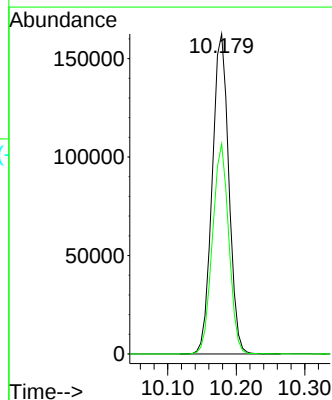
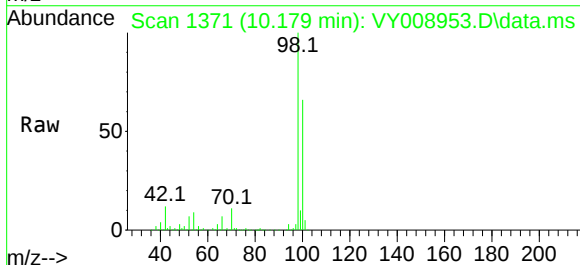
Instrument :
MSVOA_Y
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P015-SS002-0612-01

Tgt Ion:117 Resp: 12590
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.924 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008953.D
Acq: 21 May 2022 16:37

Tgt Ion: 98 Resp: 272854
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

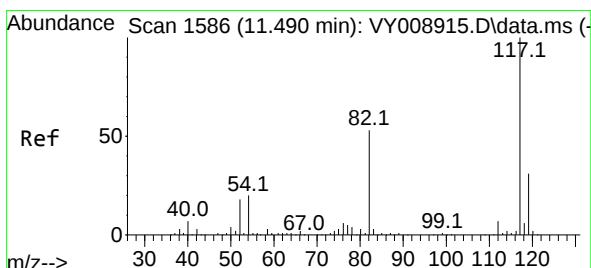
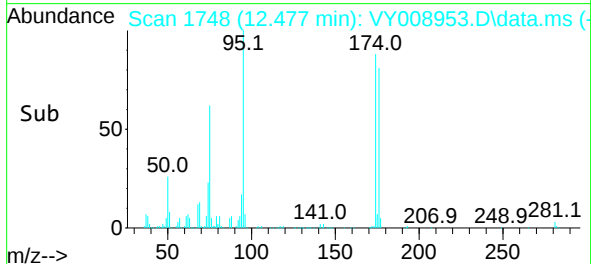
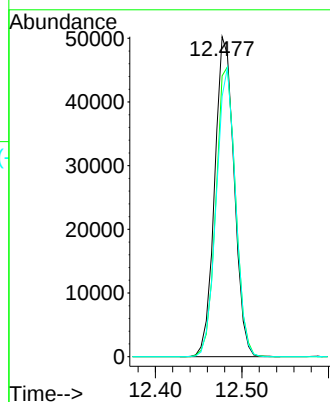
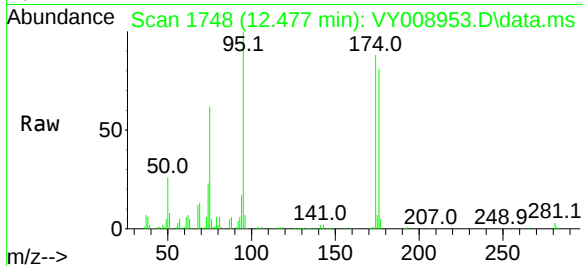




#62
4-Bromofluorobenzene
Concen: 39.043 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008953.D
Acq: 21 May 2022 16:37

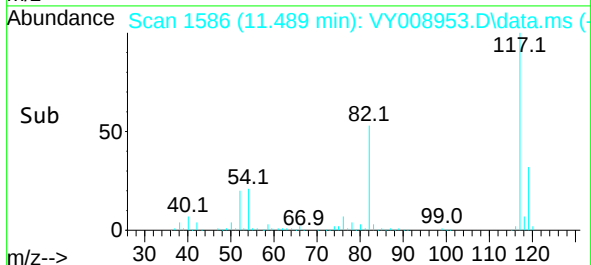
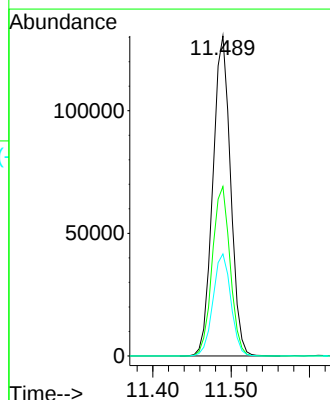
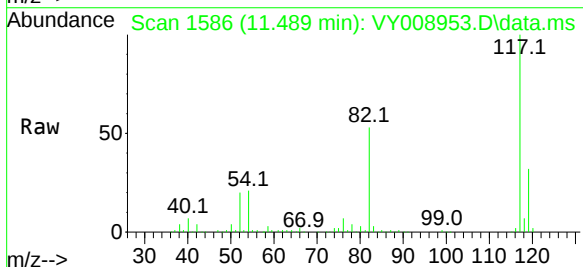
Instrument :
MSVOA_Y
ClientSampleId :
P015-SS002-0612-01

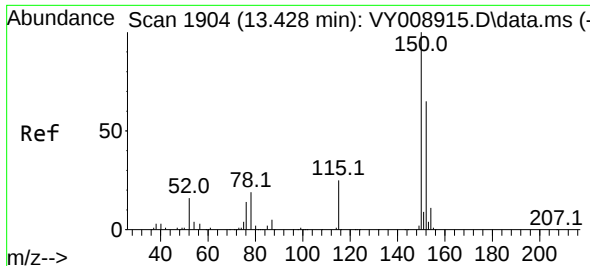
Tgt Ion: 95 Resp: 78241
Ion Ratio Lower Upper
95 100
174 91.3 0.0 177.0
176 88.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY008953.D
Acq: 21 May 2022 16:37

Tgt Ion: 117 Resp: 205242
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 31.9 25.4 38.0

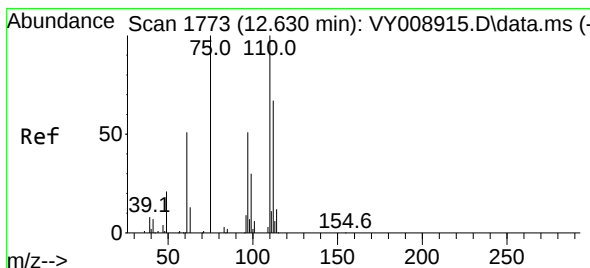
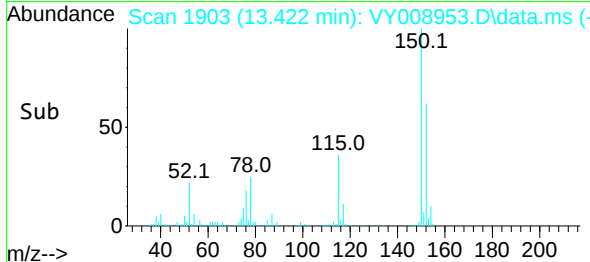
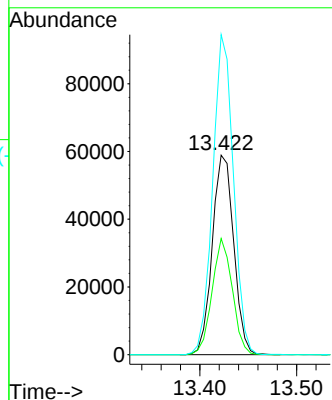
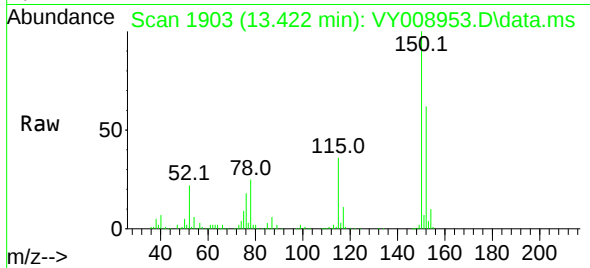




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY008953.D
 Acq: 21 May 2022 16:37

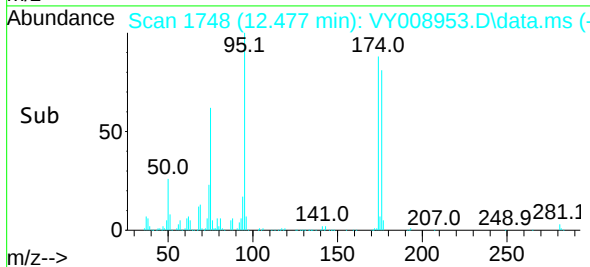
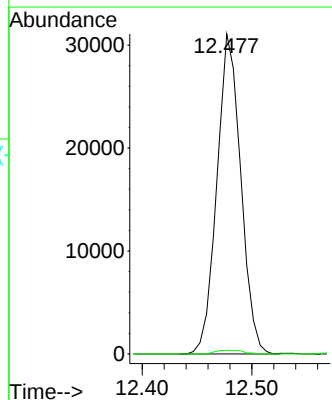
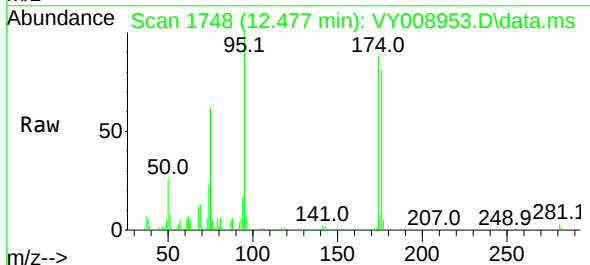
Instrument :
 MSVOA_Y
 ClientSampleId :
 P015-SS002-0612-01

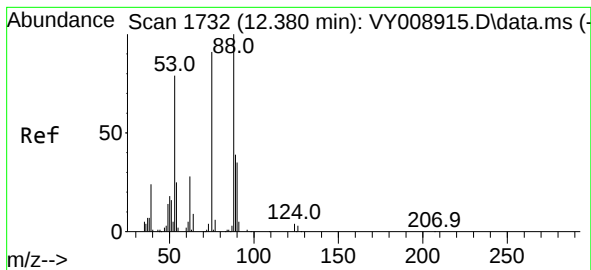
Tgt Ion:152 Resp: 90885
 Ion Ratio Lower Upper
 152 100
 115 54.8 28.2 84.7
 150 154.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 48.241 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY008953.D
 Acq: 21 May 2022 16:37

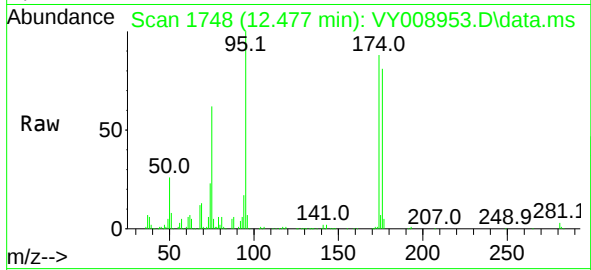
Tgt Ion: 75 Resp: 47083
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.015 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY008953.D
 Acq: 21 May 2022 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 P015-SS002-0612-01



Tgt Ion: 75 Resp: 47083
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

