

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008980.D
 Acq On : 22 May 2022 04:38
 Operator : KP/MD
 Sample : N2887-13
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P039-SS001-0612-01

Quant Time: May 22 05:01:56 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)

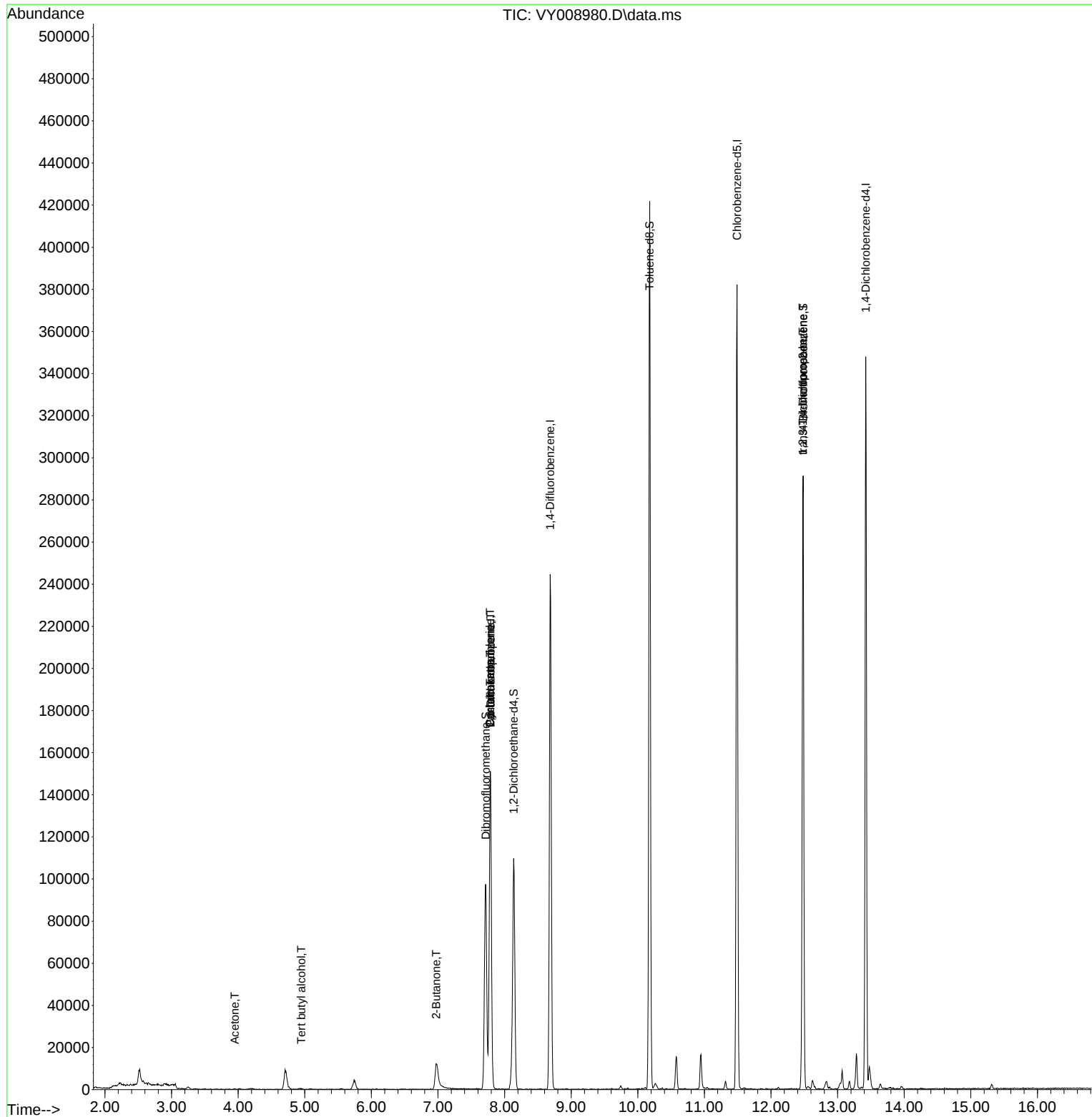
Internal Standards						
1) Pentafluorobenzene	7.789	168	113835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	207812	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	195323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	81663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	76585	65.370	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 130.740%		
35) Dibromofluoromethane	7.716	113	66710	51.623	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 103.240%		
50) Toluene-d8	10.179	98	260750	54.695	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 109.400%		
62) 4-Bromofluorobenzene	12.483	95	74609	38.796	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 77.600%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	292	2.457	ug/l #	77
16) Acetone	3.948	43	350	1.435	ug/l #	47
20) Methylene Chloride	4.704	84	6484	Below Cal	#	68
25) 2-Butanone	6.972	43	778	1.786	ug/l #	54
31) Cyclohexane	7.783	56	2887	1.260	ug/l #	10
36) 1,1-Dichloropropene	7.789	75	9665	4.395	ug/l #	51
38) Carbon Tetrachloride	7.783	117	11409	4.959	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	43276	49.348	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	43276	101.286	ug/l #	8

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

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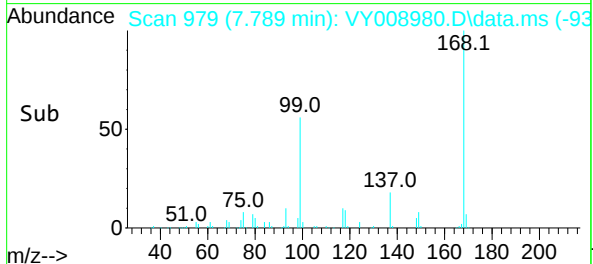
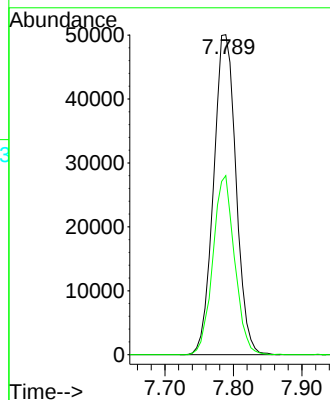
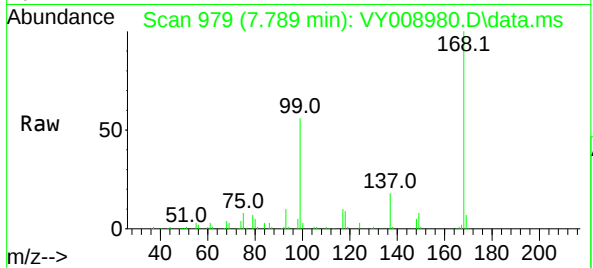




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008980.D
Acq: 22 May 2022 04:38

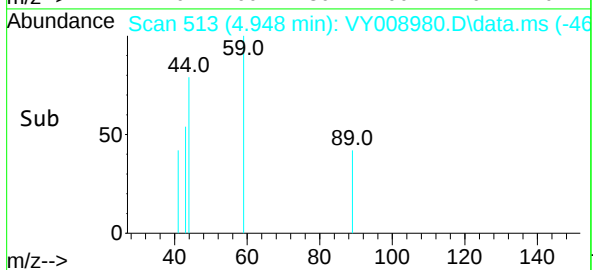
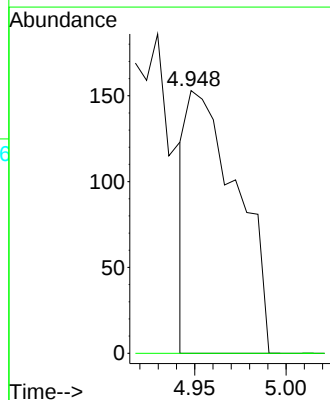
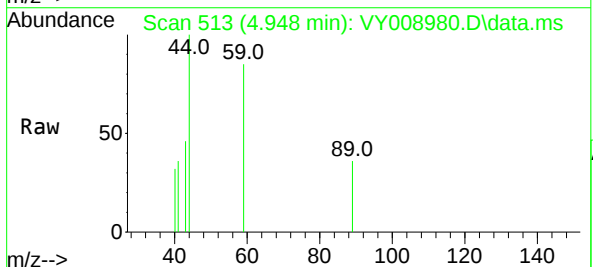
Instrument :
MSVOA_Y
ClientSampleId :
P039-SS001-0612-01

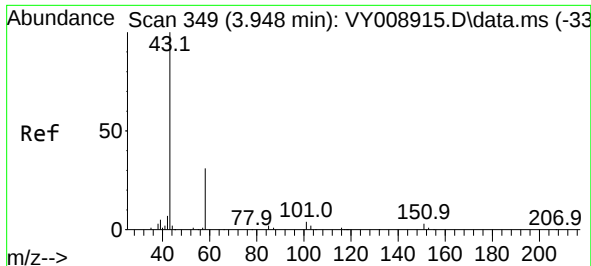
Tgt Ion:168 Resp: 113835
Ion Ratio Lower Upper
168 100
99 55.9 46.9 70.3



#11
Tert butyl alcohol
Concen: 2.457 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY008980.D
Acq: 22 May 2022 04:38

Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

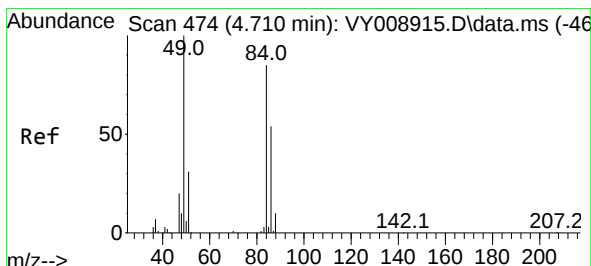
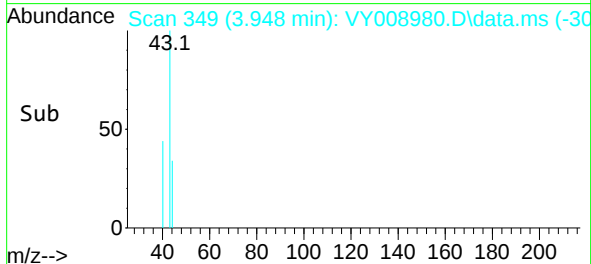
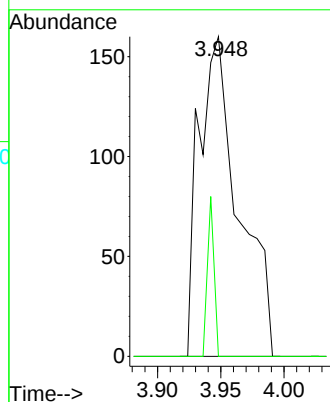
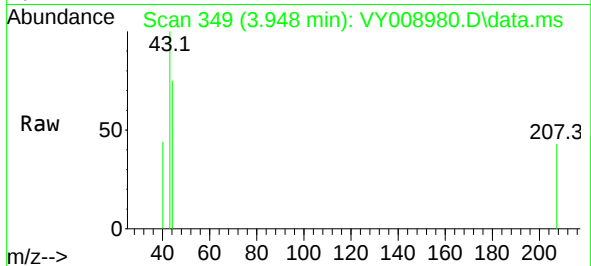




#16
Acetone
Concen: 1.435 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008980.D
Acq: 22 May 2022 04:38

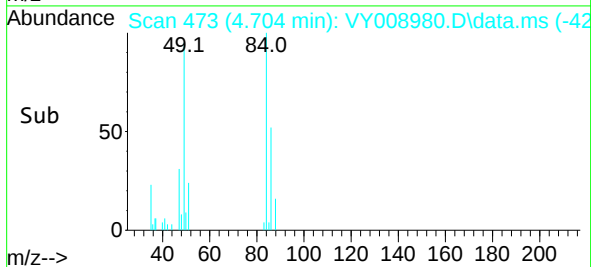
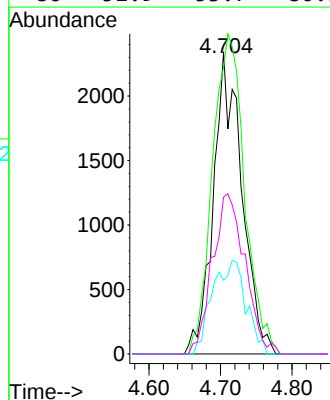
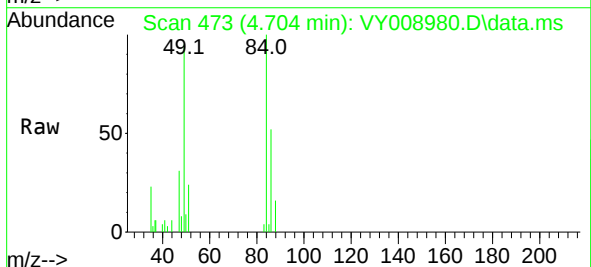
Instrument :
MSVOA_Y
ClientSampleId :
P039-SS001-0612-01

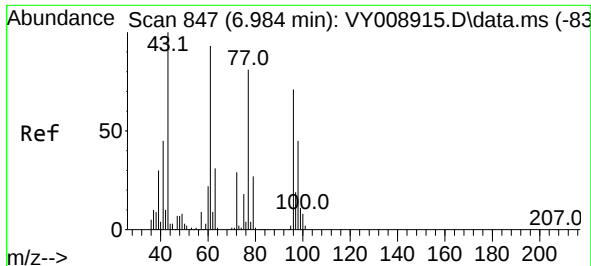
Tgt Ion: 43 Resp: 350
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY008980.D
Acq: 22 May 2022 04:38

Tgt Ion: 84 Resp: 6484
Ion Ratio Lower Upper
84 100
49 94.8 114.4 171.6#
51 24.4 35.3 52.9#
86 51.9 53.7 80.5#





#25

2-Butanone

Concen: 1.786 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY008980.D

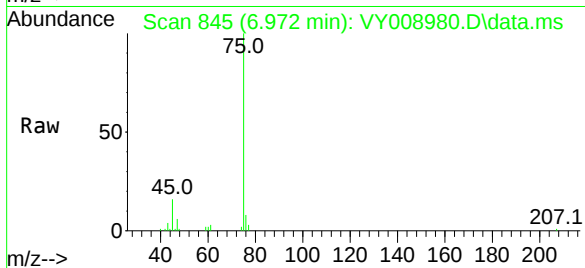
Acq: 22 May 2022 04:38

Instrument :

MSVOA_Y

ClientSampleId :

P039-SS001-0612-01

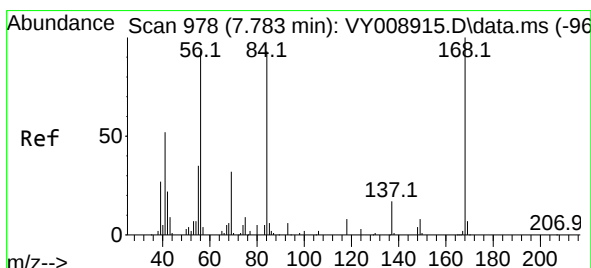
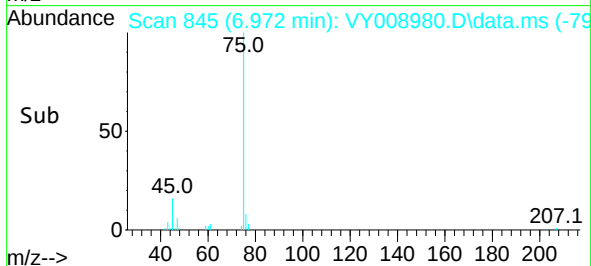
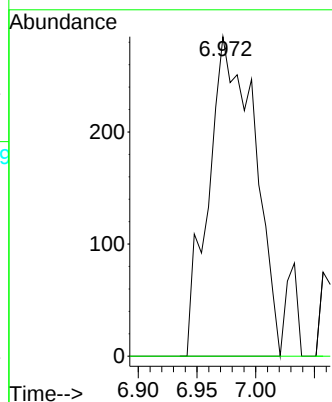


Tgt Ion: 43 Resp: 778

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.260 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY008980.D

Acq: 22 May 2022 04:38

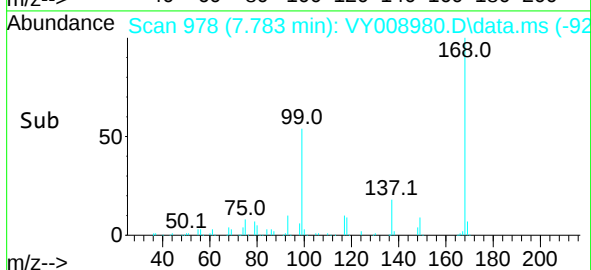
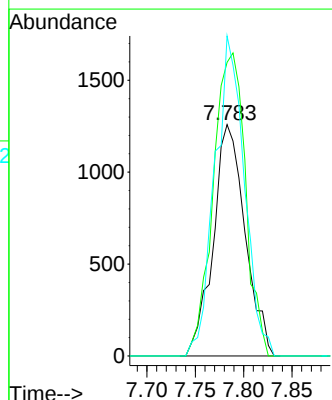
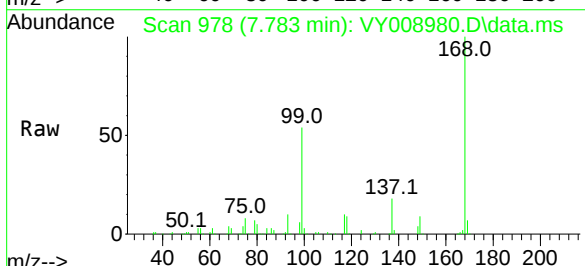
Tgt Ion: 56 Resp: 2887

Ion Ratio Lower Upper

56 100

69 126.8 26.7 40.1#

84 138.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 65.370 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY008980.D

Acq: 22 May 2022 04:38

Instrument :

MSVOA_Y

ClientSampleId :

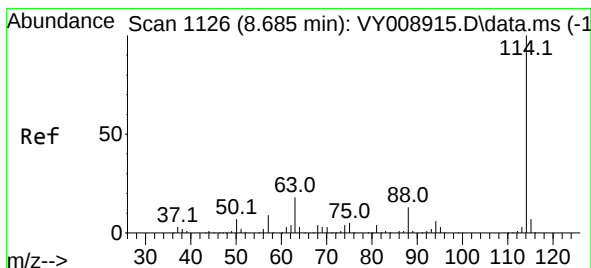
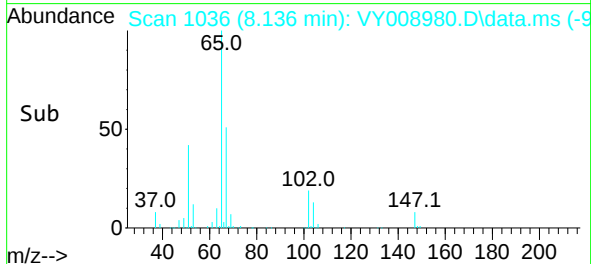
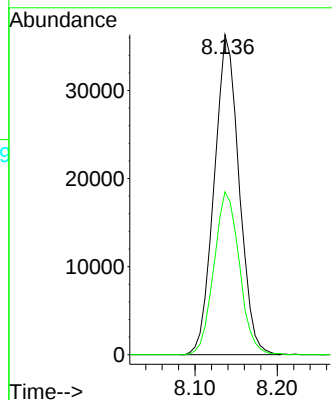
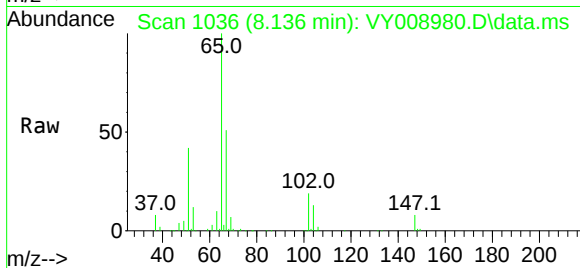
P039-SS001-0612-01

Tgt Ion: 65 Resp: 76585

Ion Ratio Lower Upper

65 100

67 52.0 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: VY008980.D

Acq: 22 May 2022 04:38

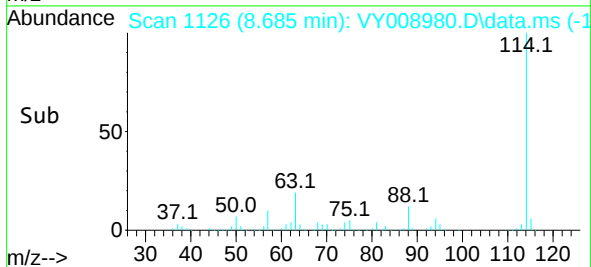
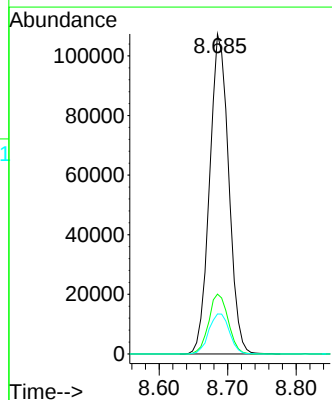
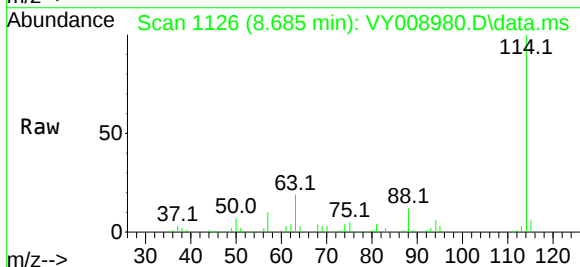
Tgt Ion: 114 Resp: 207812

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 12.5 0.0 31.8

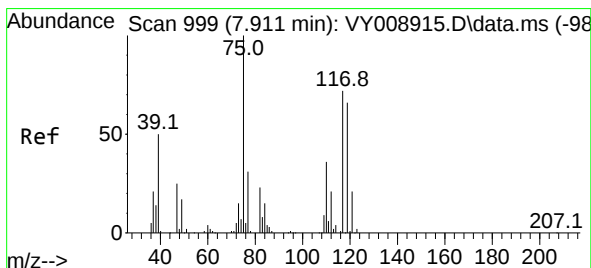
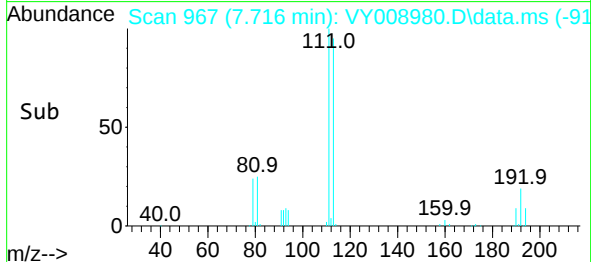
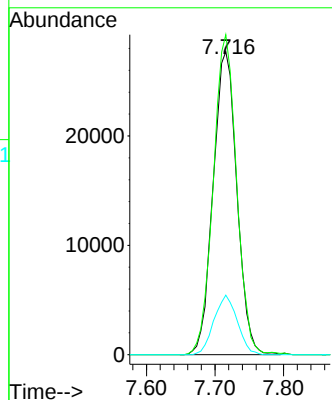
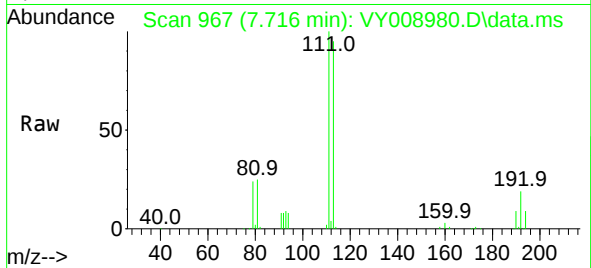




#35
Dibromofluoromethane
Concen: 51.623 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY008980.D
Acq: 22 May 2022 04:38

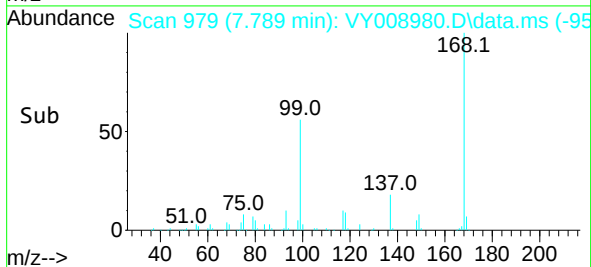
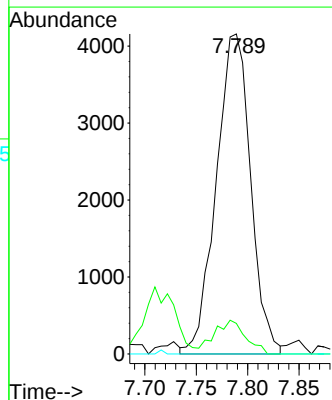
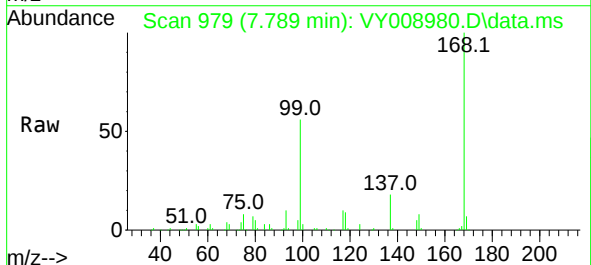
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P039-SS001-0612-01

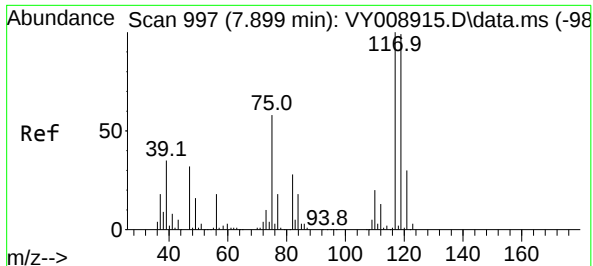
Tgt Ion:113 Resp: 66710
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 19.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.395 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY008980.D
Acq: 22 May 2022 04:38

Tgt Ion: 75 Resp: 9665
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#

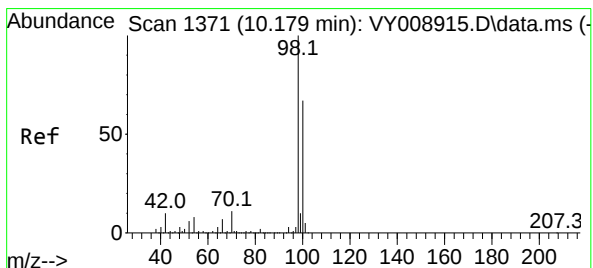
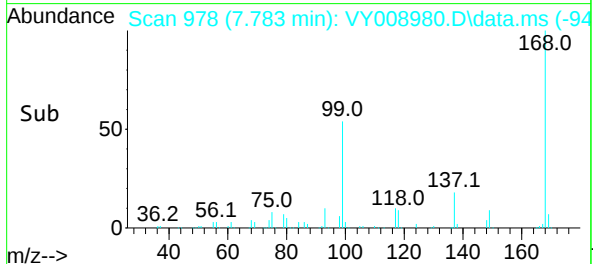
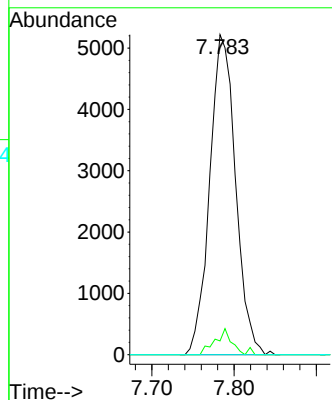
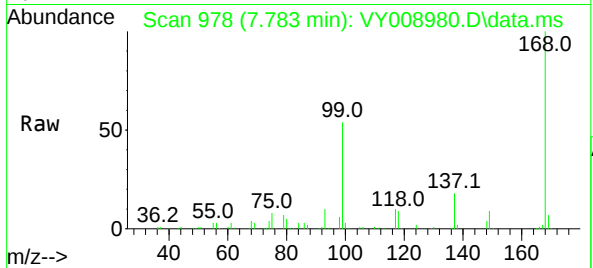




#38
Carbon Tetrachloride
Concen: 4.959 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008980.D
Acq: 22 May 2022 04:38

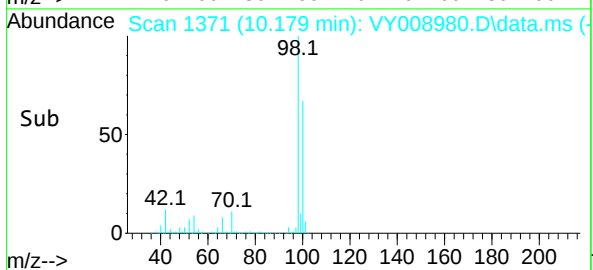
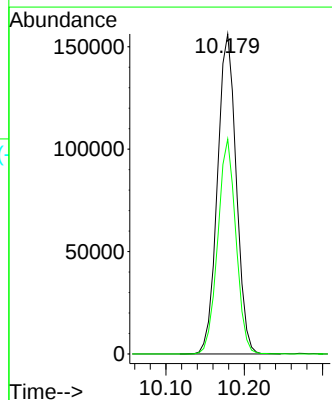
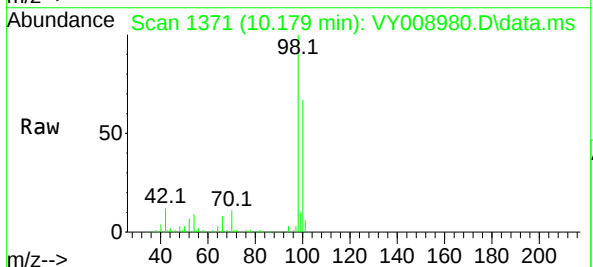
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Tgt Ion:117 Resp: 11409
Ion Ratio Lower Upper
117 100
119 4.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.695 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008980.D
Acq: 22 May 2022 04:38

Tgt Ion: 98 Resp: 260750
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2

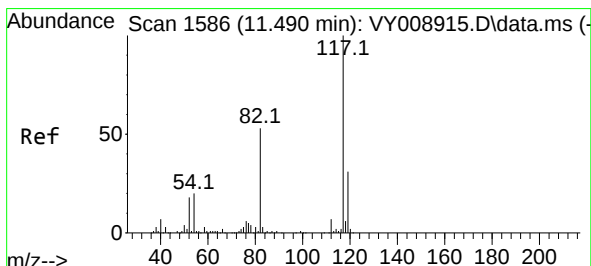
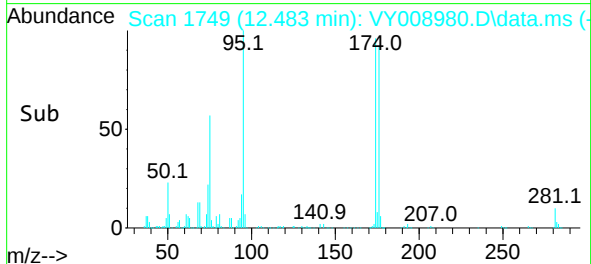
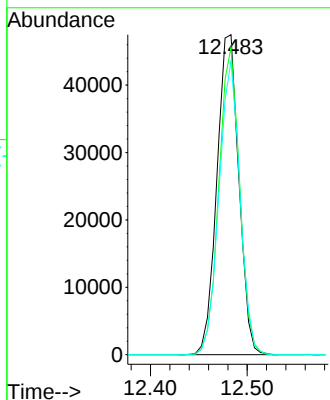
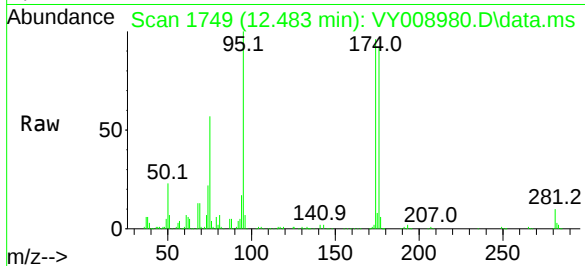




#62
4-Bromofluorobenzene
Concen: 38.796 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008980.D
Acq: 22 May 2022 04:38

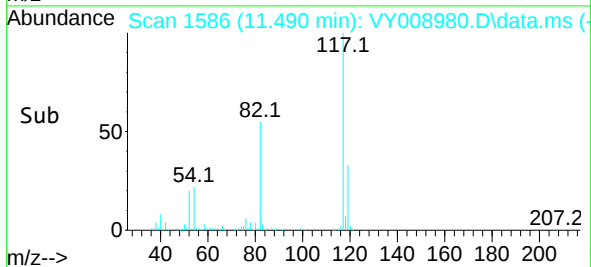
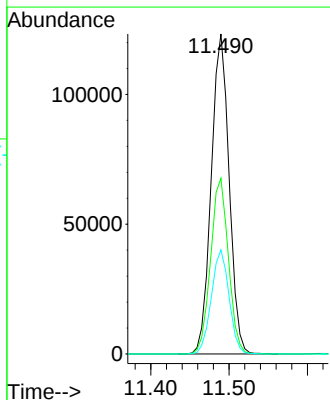
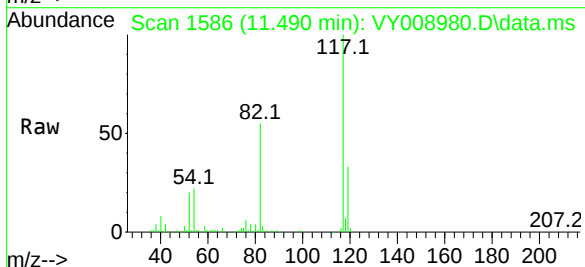
Instrument :
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ClientSampleId :
P039-SS001-0612-01

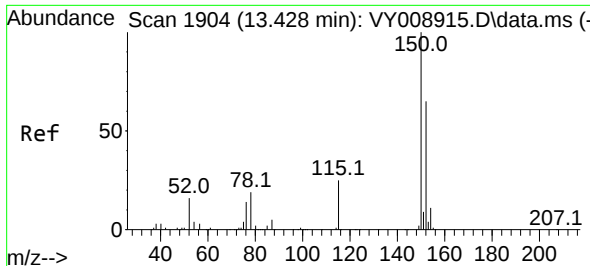
Tgt Ion: 95 Resp: 74609
Ion Ratio Lower Upper
95 100
174 91.3 0.0 177.0
176 87.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY008980.D
Acq: 22 May 2022 04:38

Tgt Ion: 117 Resp: 195323
Ion Ratio Lower Upper
117 100
82 54.9 43.0 64.4
119 32.5 25.4 38.0

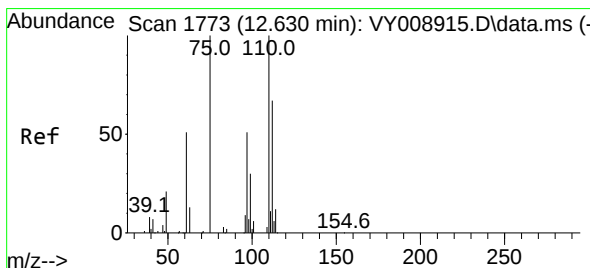
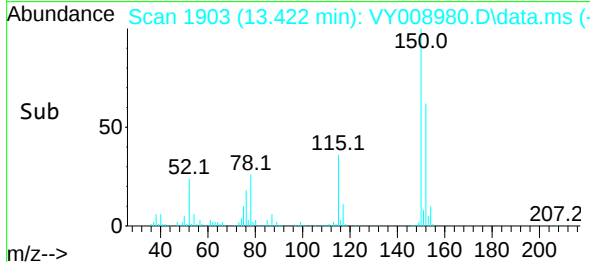
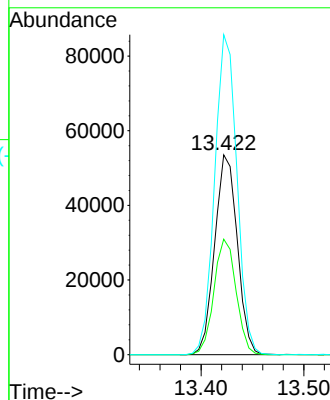
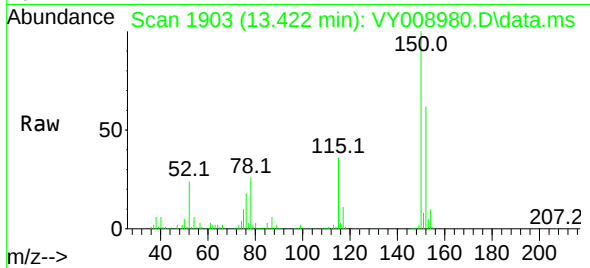




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY008980.D
 Acq: 22 May 2022 04:38

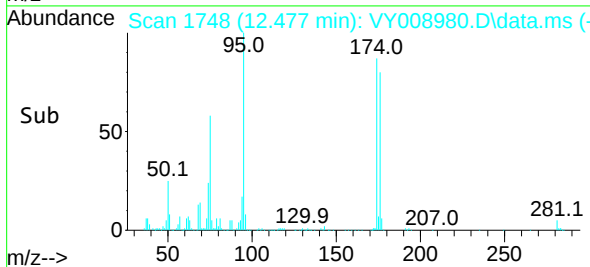
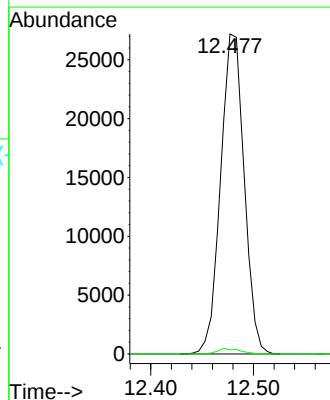
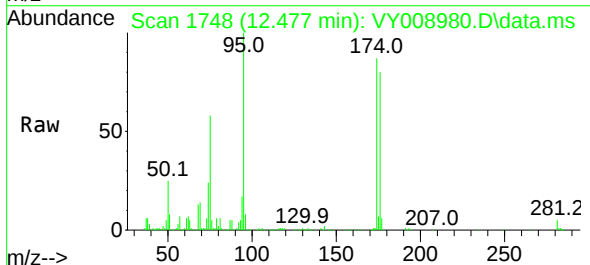
Instrument :
 MSVOA_Y
 ClientSampleId :
 P039-SS001-0612-01

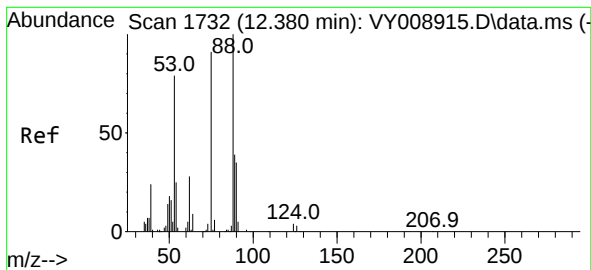
Tgt Ion:152 Resp: 81663
 Ion Ratio Lower Upper
 152 100
 115 56.7 28.2 84.7
 150 157.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 49.348 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY008980.D
 Acq: 22 May 2022 04:38

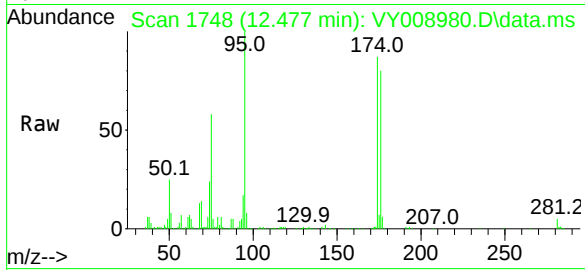
Tgt Ion: 75 Resp: 43276
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.286 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY008980.D
 Acq: 22 May 2022 04:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 P039-SS001-0612-01



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.6	85.3	127.9#
89	0.1	37.0	55.4#

