

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060722\
 Data File : VY009171.D
 Acq On : 07 Jun 2022 18:02
 Operator : KP/MD
 Sample : N3170-04
 Misc : 4.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220424-AMENDED-COMPOSITE-D

Quant Time: Jun 08 07:59:02 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)

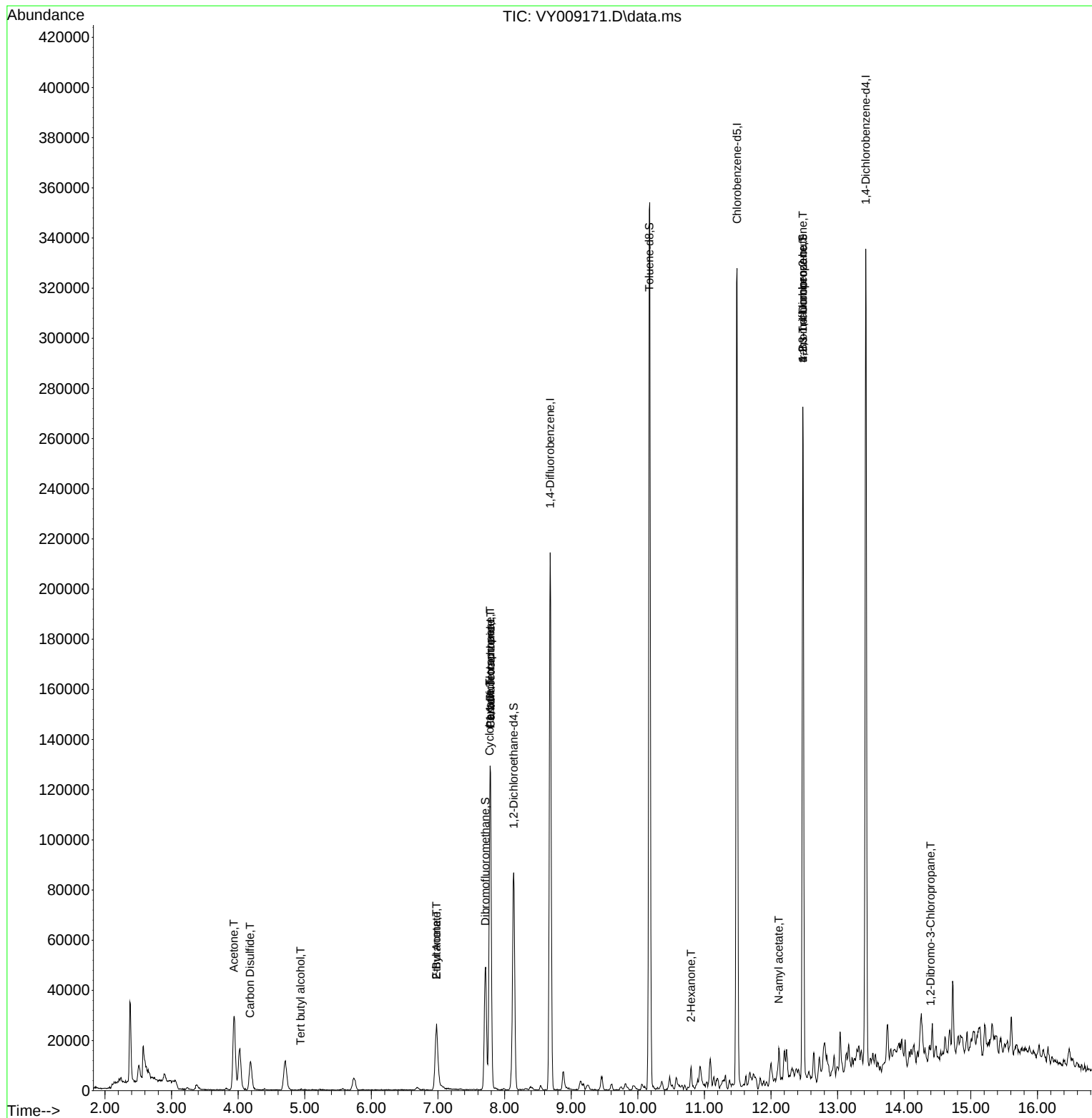
Internal Standards						
1) Pentafluorobenzene	7.789	168	99331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	178705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	173444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	78790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	63739	62.349	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.700%	
35) Dibromofluoromethane	7.710	113	34003	30.599	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 61.200%	
50) Toluene-d8	10.173	98	222961	54.386	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.780%	
62) 4-Bromofluorobenzene	12.477	95	68802	41.604	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	310	2.990	ug/l #	77
16) Acetone	3.936	43	50936	239.362	ug/l	91
17) Carbon Disulfide	4.180	76	18805	6.161	ug/l	96
20) Methylene Chloride	4.710	84	8451	Below Cal		84
25) 2-Butanone	6.978	43	10742	28.262	ug/l	98
31) Cyclohexane	7.777	56	3021	1.511	ug/l #	46
36) 1,1-Dichloropropene	7.783	75	8571	4.532	ug/l #	49
37) Ethyl Acetate	6.978	43	10742	10.950	ug/l #	89
38) Carbon Tetrachloride	7.789	117	10038	5.074	ug/l #	13
59) 2-Hexanone	10.800	43	3727	5.392	ug/l #	31
74) N-amyl acetate	12.117	43	4283	3.151	ug/l #	73
76) 1,2,3-Trichloropropane	12.477	75	39774	47.008	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	39774	96.484	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.397	75	205	1.088	ug/l #	6

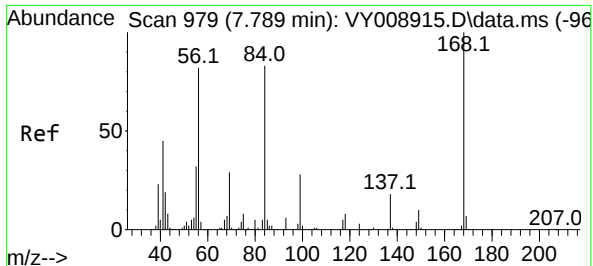
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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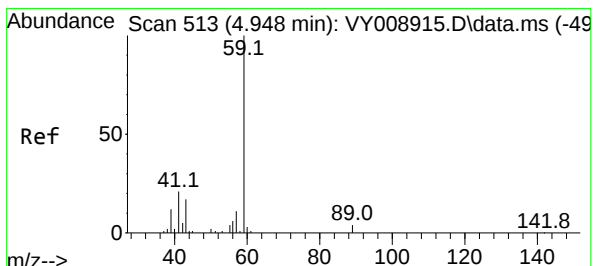
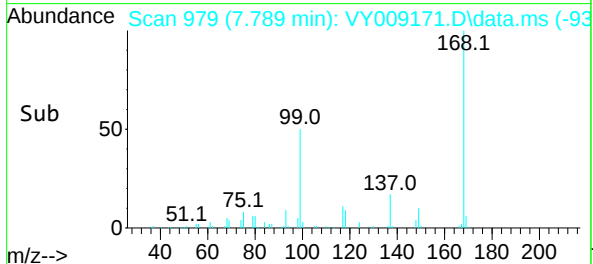
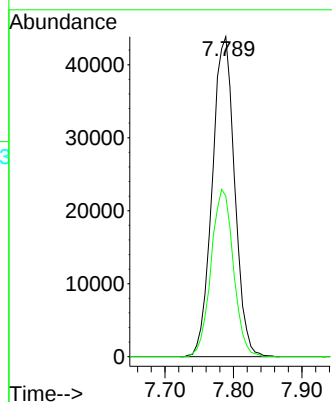
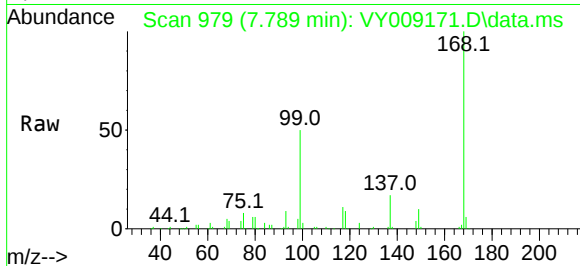




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

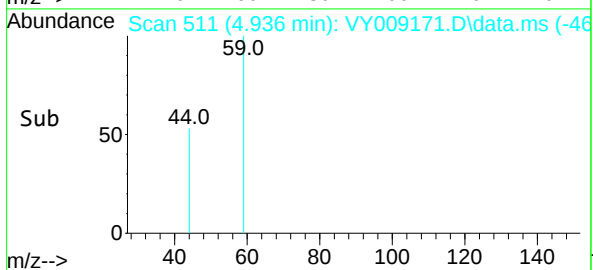
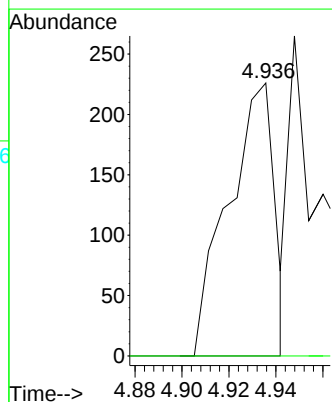
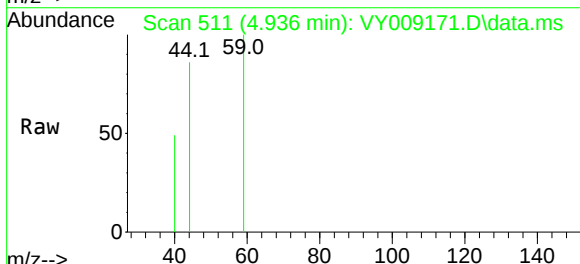
Instrument :
MSVOA_Y
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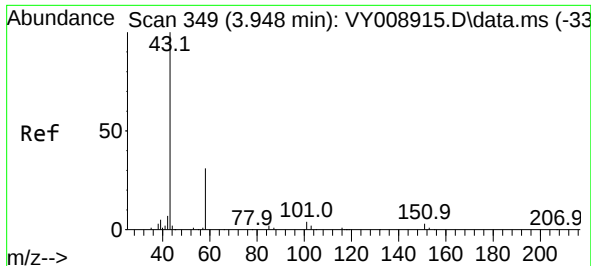
Tgt Ion:168 Resp: 99331
Ion Ratio Lower Upper
168 100
99 50.2 46.9 70.3



#11
Tert butyl alcohol
Concen: 2.990 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

Tgt Ion: 59 Resp: 310
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

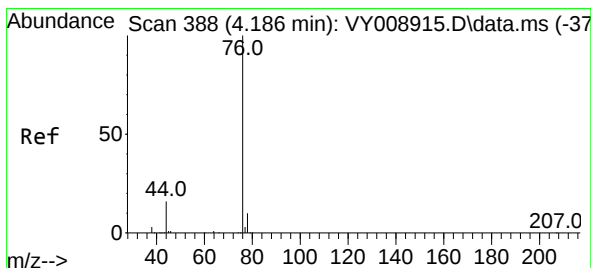
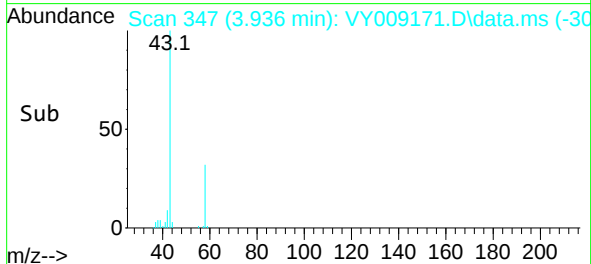
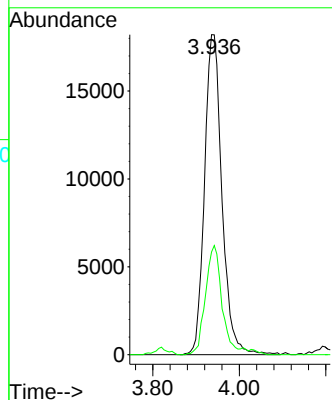
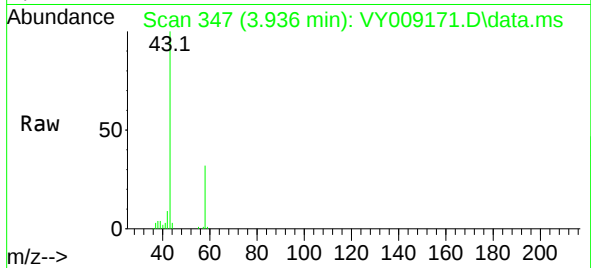




#16
Acetone
Concen: 239.362 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

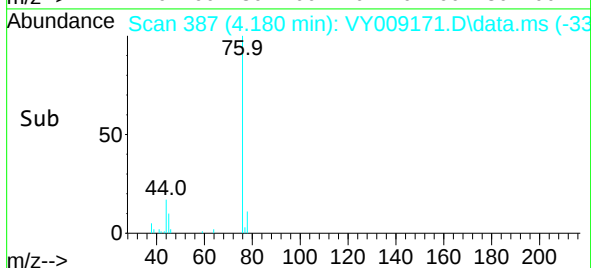
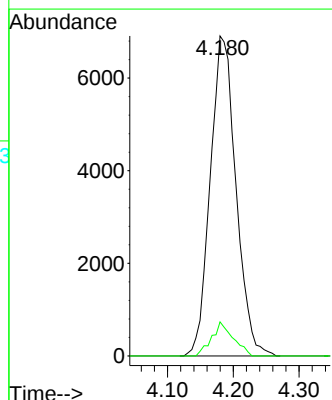
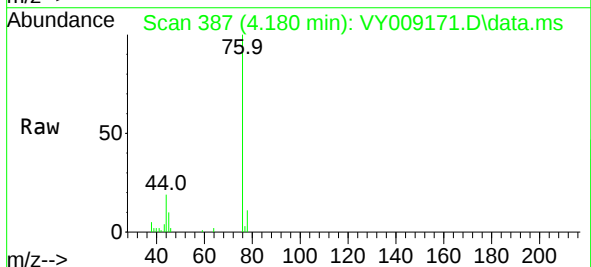
Instrument :
MSVOA_Y
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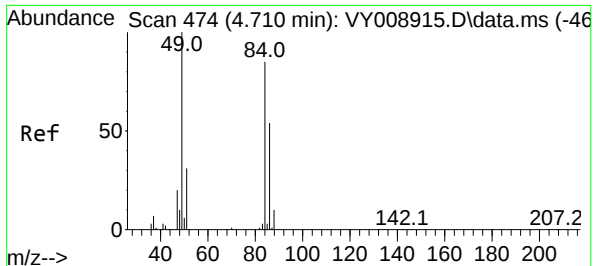
Tgt Ion: 43 Resp: 50936
Ion Ratio Lower Upper
43 100
58 32.1 22.0 33.0



#17
Carbon Disulfide
Concen: 6.161 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

Tgt Ion: 76 Resp: 18805
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY009171.D

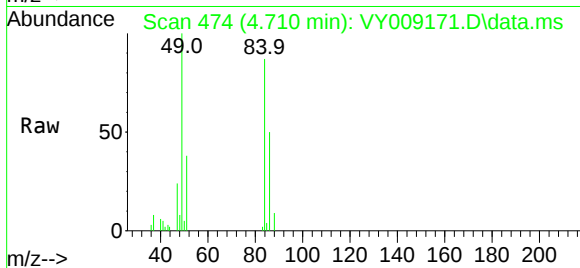
Acq: 07 Jun 2022 18:02

Instrument :

MSVOA_Y

ClientSampleId :

20220424-AMENDED-COMPOSITE-D



Tgt Ion: 84 Resp: 8451

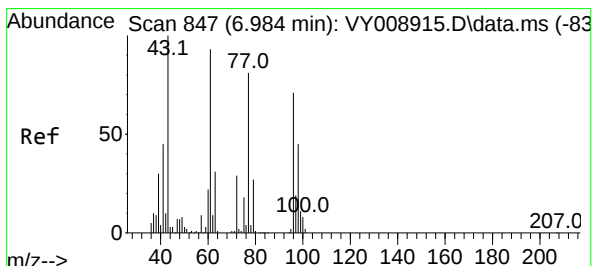
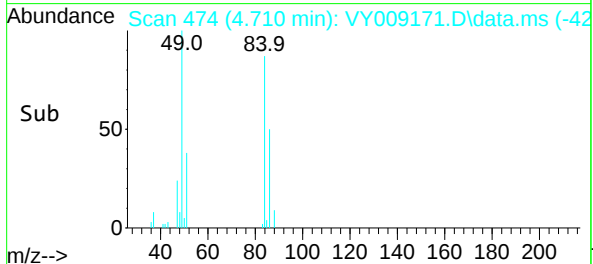
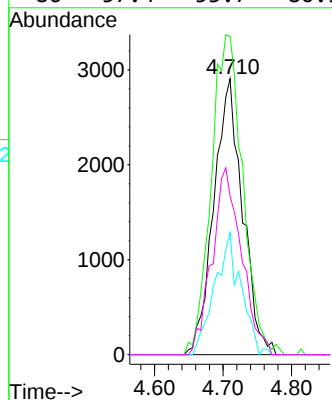
Ion Ratio Lower Upper

84 100

49 115.3 114.4 171.6

51 44.2 35.3 52.9

86 57.4 53.7 80.5



#25

2-Butanone

Concen: 28.262 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY009171.D

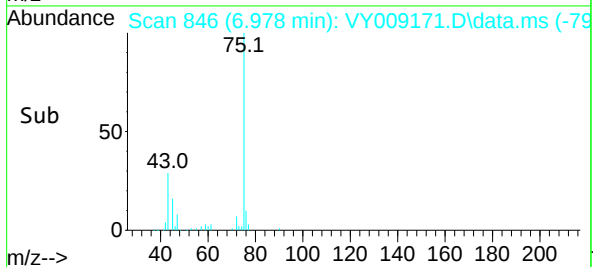
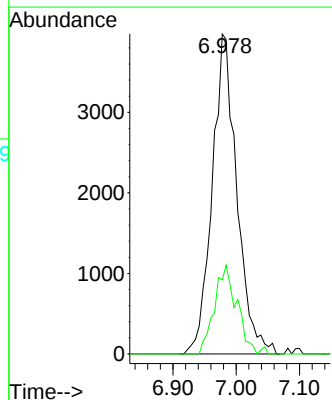
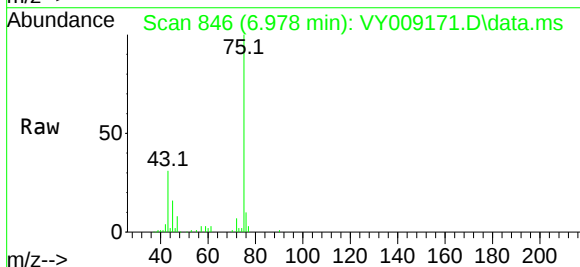
Acq: 07 Jun 2022 18:02

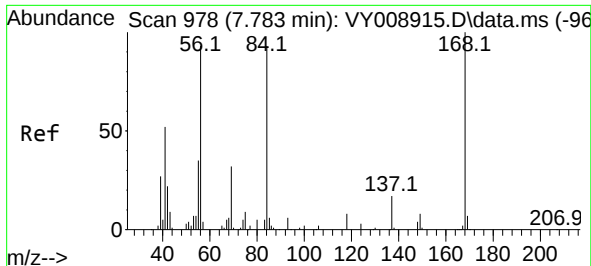
Tgt Ion: 43 Resp: 10742

Ion Ratio Lower Upper

43 100

72 23.1 17.7 26.5

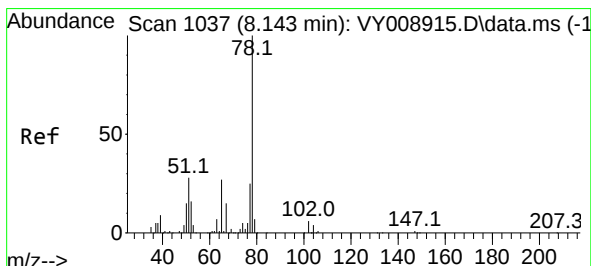
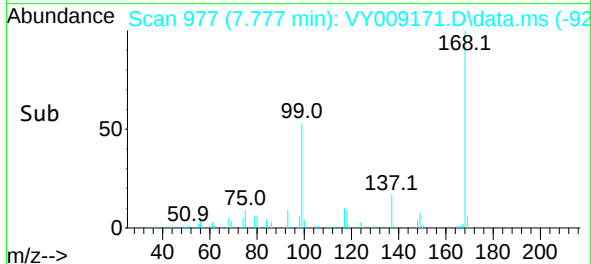
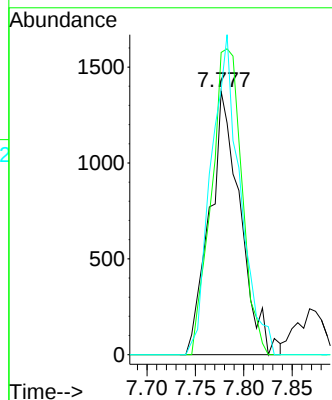
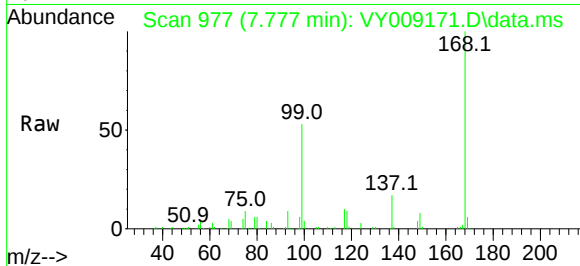




#31
Cyclohexane
Concen: 1.511 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

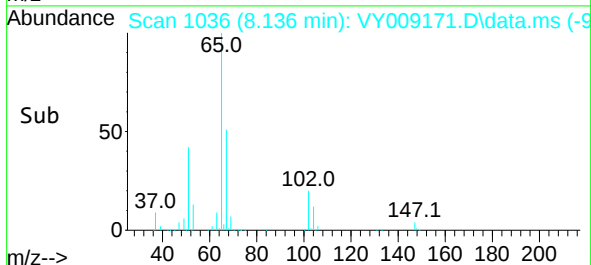
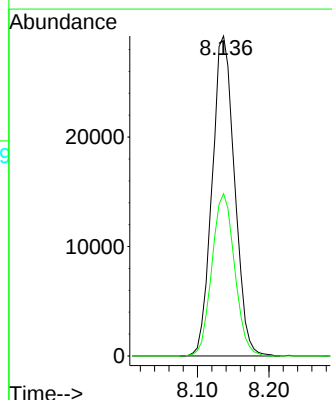
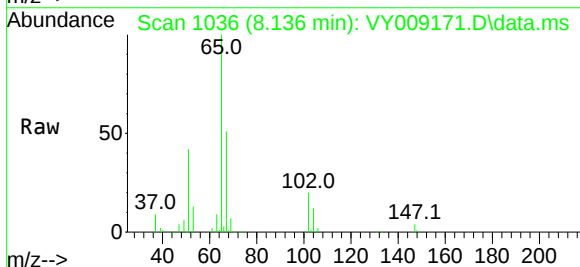
Instrument :
MSVOA_Y
ClientSampleId :
20220424-AMENDED-COMPOSITE-D

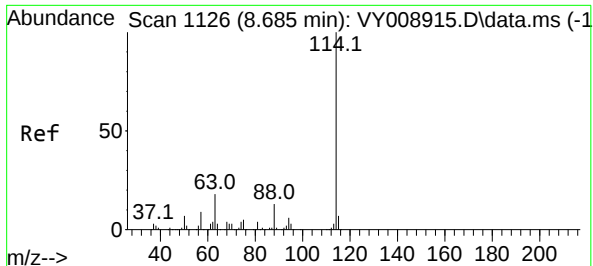
Tgt Ion: 56 Resp: 3021
Ion Ratio Lower Upper
56 100
69 114.8 26.7 40.1#
84 100.7 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 62.349 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

Tgt Ion: 65 Resp: 63739
Ion Ratio Lower Upper
65 100
67 51.3 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: VY009171.D

Acq: 07 Jun 2022 18:02

Instrument :

MSVOA_Y

ClientSampleId :

20220424-AMENDED-COMPOSITE-D

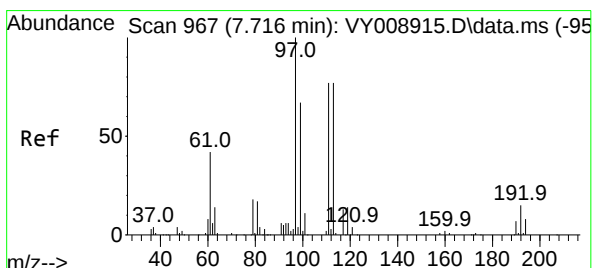
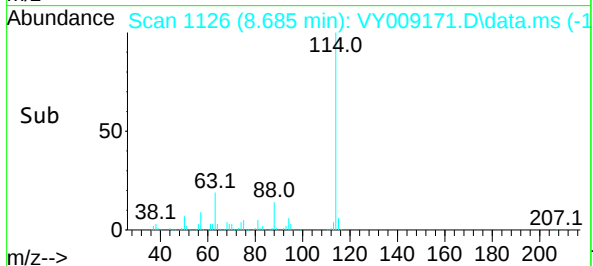
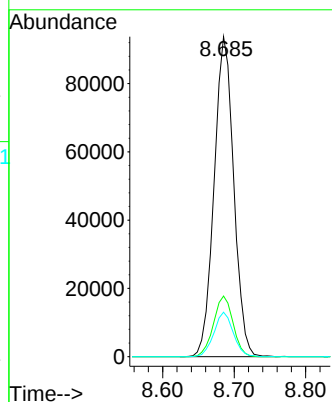
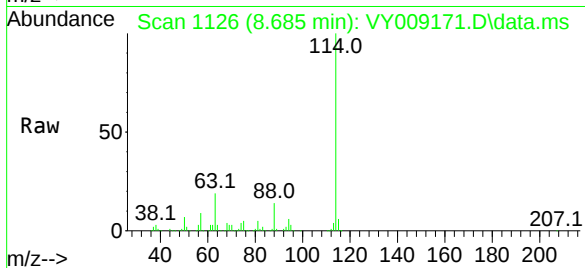
Tgt Ion:114 Resp: 178705

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 13.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 30.599 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY009171.D

Acq: 07 Jun 2022 18:02

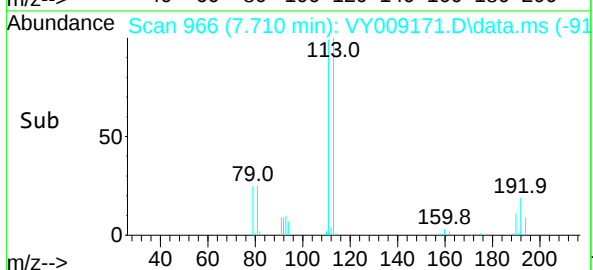
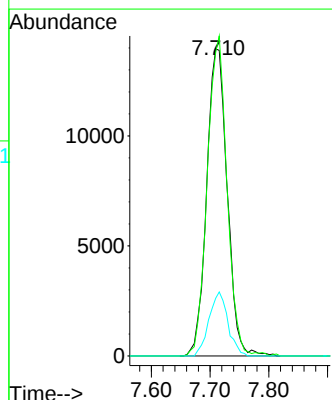
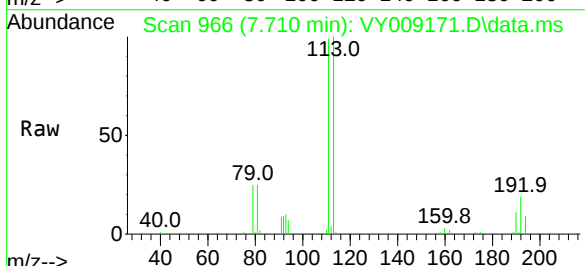
Tgt Ion:113 Resp: 34003

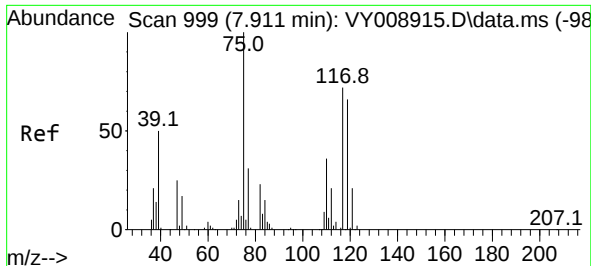
Ion Ratio Lower Upper

113 100

111 99.8 82.6 124.0

192 19.2 17.6 26.4

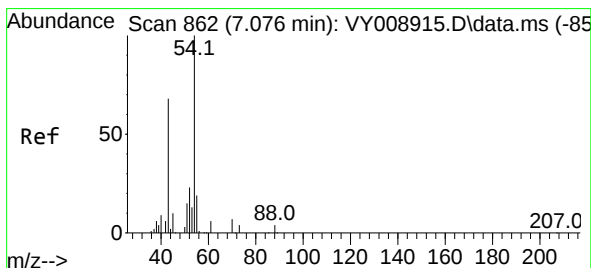
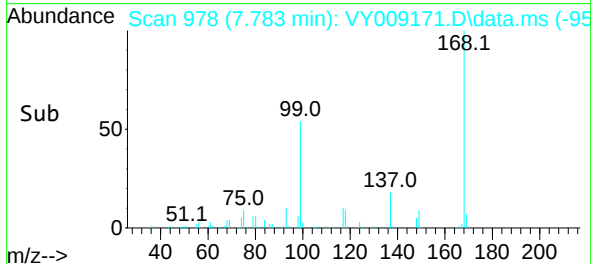
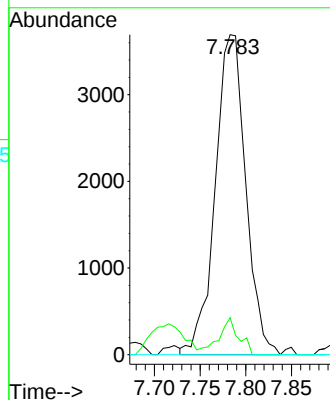
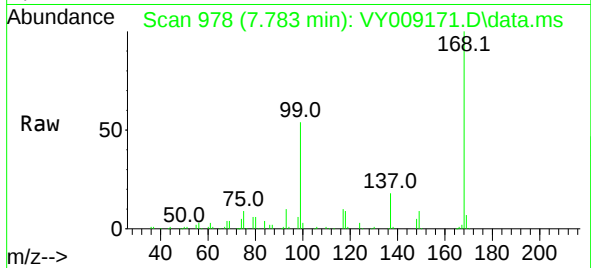




#36
1,1-Dichloropropene
Concen: 4.532 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

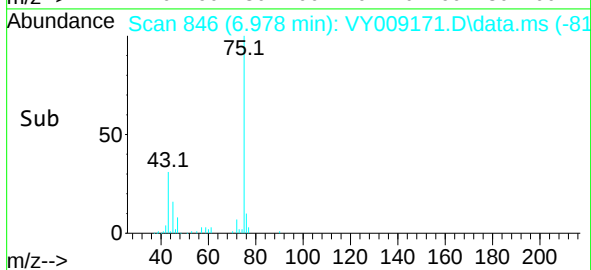
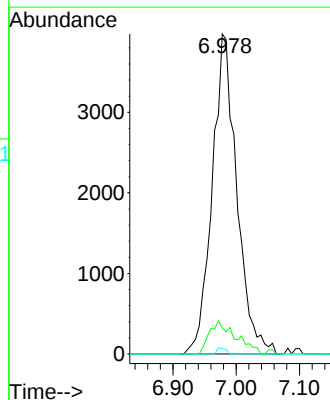
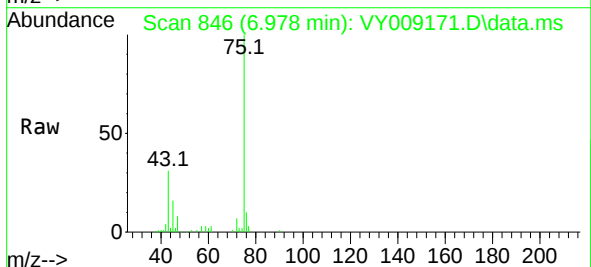
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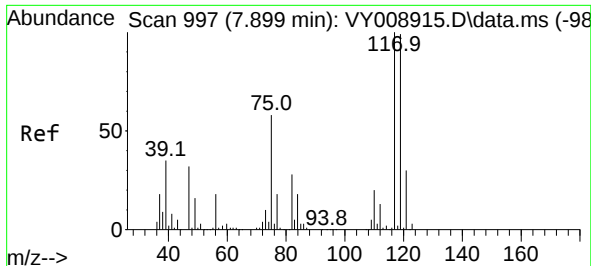
Tgt Ion: 75 Resp: 8571
Ion Ratio Lower Upper
75 100
110 7.3 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 10.950 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.098 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

Tgt Ion: 43 Resp: 10742
Ion Ratio Lower Upper
43 100
61 11.1 9.7 14.5
70 0.7 7.1 10.7#

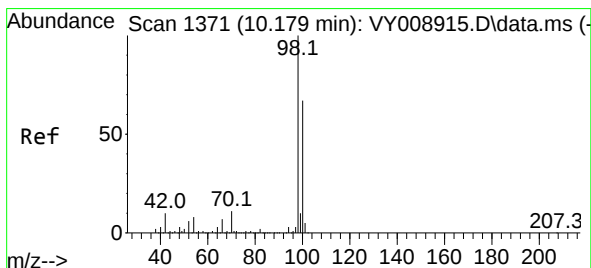
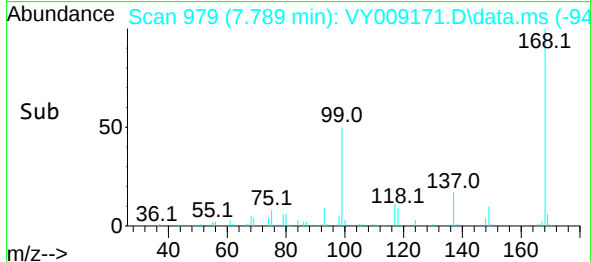
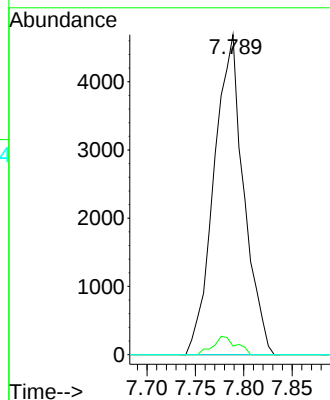
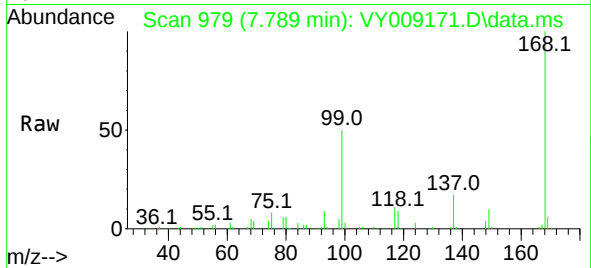




#38
Carbon Tetrachloride
Concen: 5.074 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

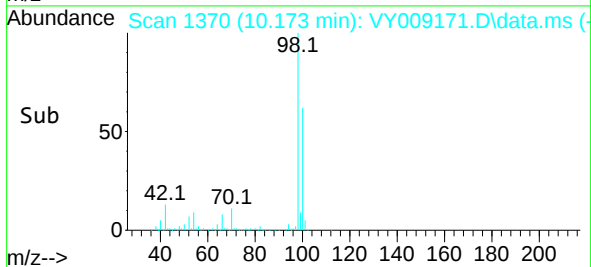
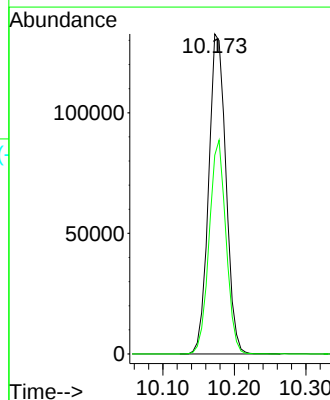
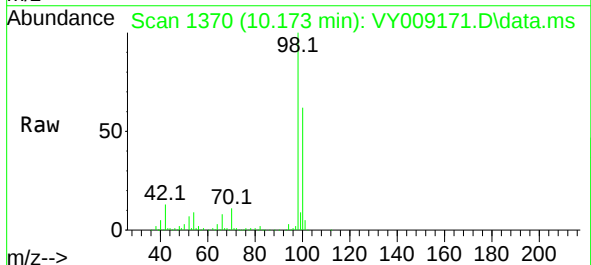
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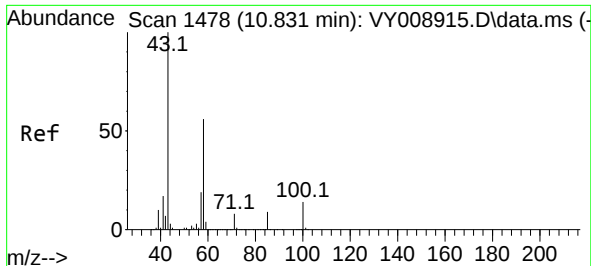
Tgt Ion:117 Resp: 10038
Ion Ratio Lower Upper
117 100
119 2.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.386 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

Tgt Ion: 98 Resp: 222961
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2

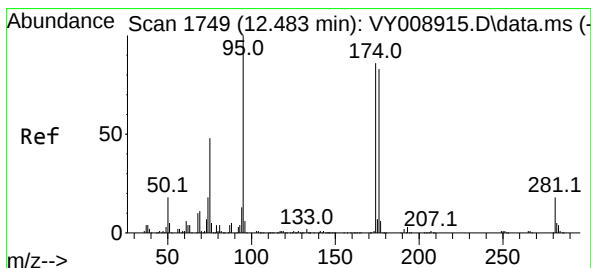
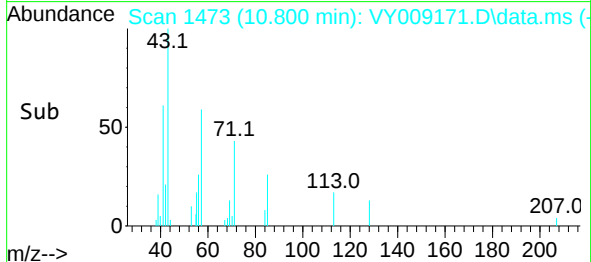
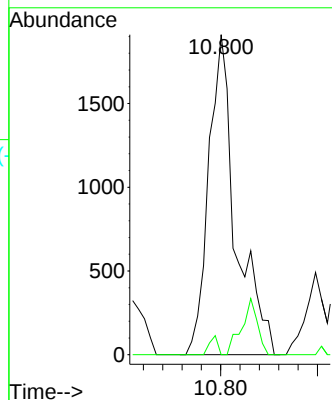
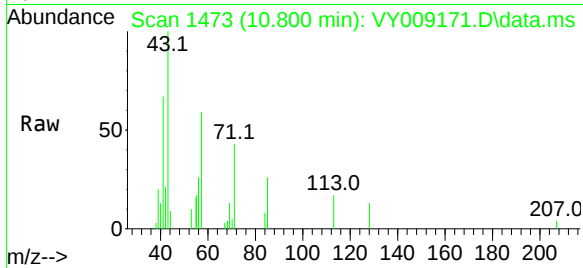




#59
2-Hexanone
Concen: 5.392 ug/l
RT: 10.800 min Scan# 1478
Delta R.T. -0.031 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

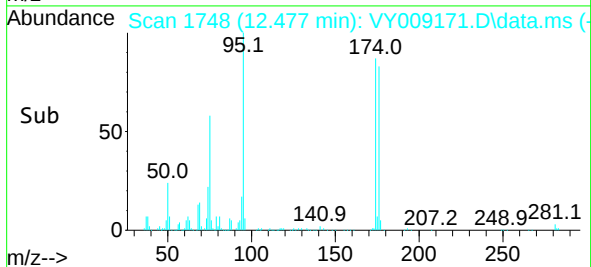
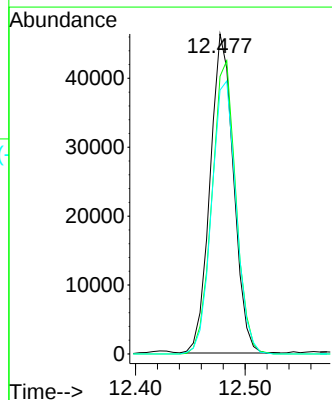
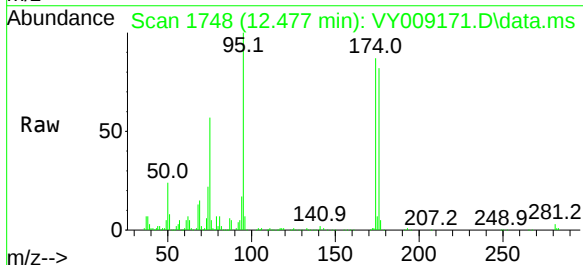
Instrument : MSVOA_Y
ClientSampleId : 20220424-AMENDED-COMPOSITE-D

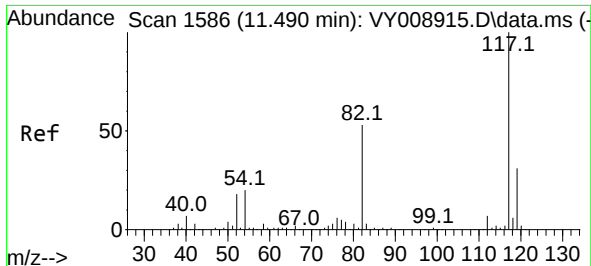
Tgt Ion: 43 Resp: 3727
Ion Ratio Lower Upper
43 100
58 1.8 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 41.604 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

Tgt Ion: 95 Resp: 68802
Ion Ratio Lower Upper
95 100
174 93.4 0.0 177.0
176 89.3 0.0 175.8

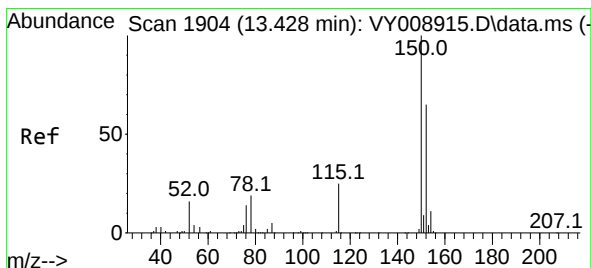
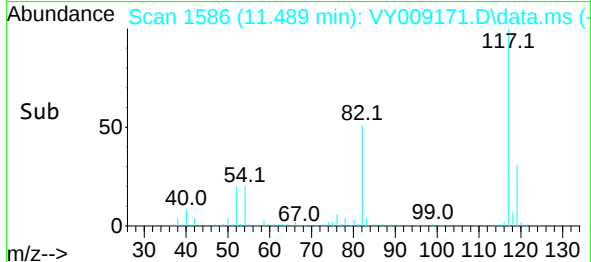
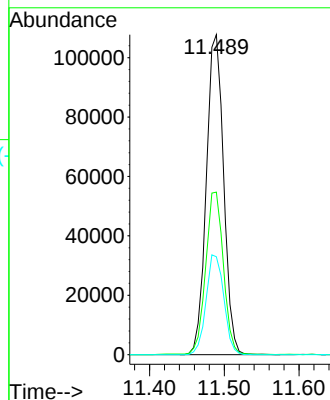
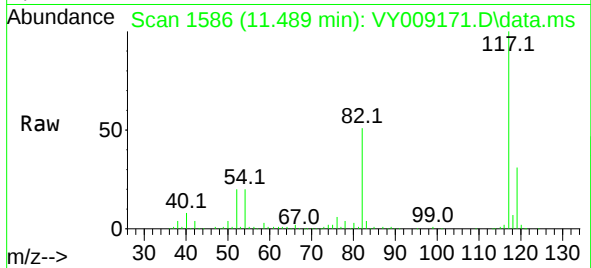




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

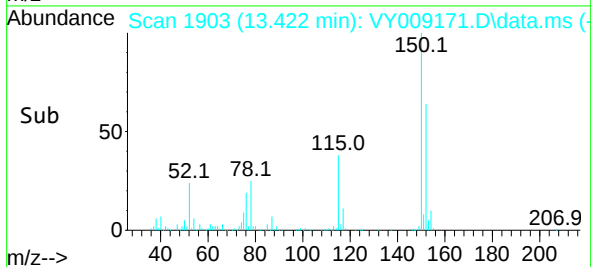
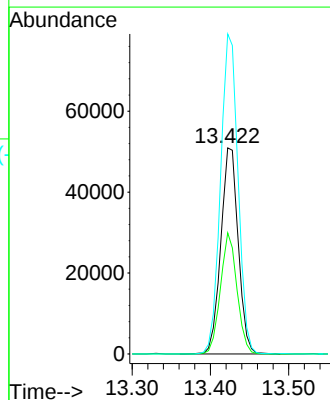
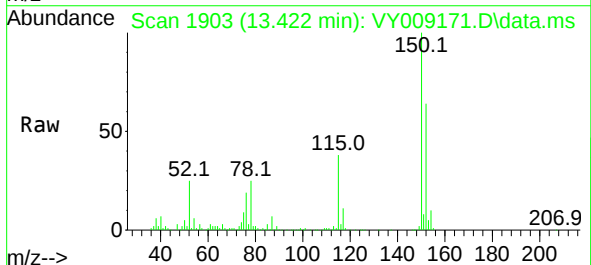
Instrument :
MSVOA_Y
ClientSampleId :
20220424-AMENDED-COMPOSITE-D

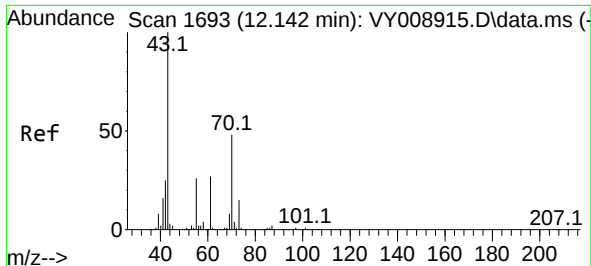
Tgt Ion:117 Resp: 173444
Ion Ratio Lower Upper
117 100
82 50.7 43.0 64.4
119 30.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

Tgt Ion:152 Resp: 78790
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.7
150 155.8 0.0 347.6

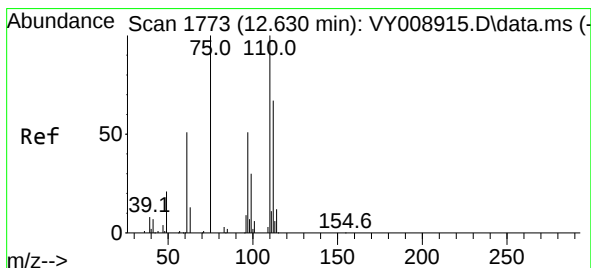
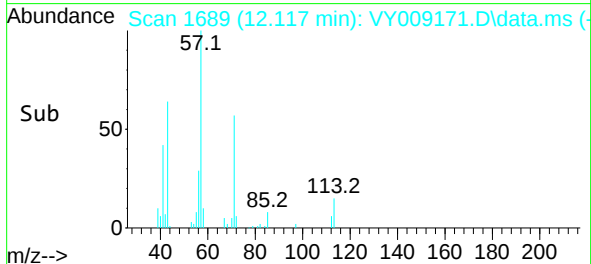
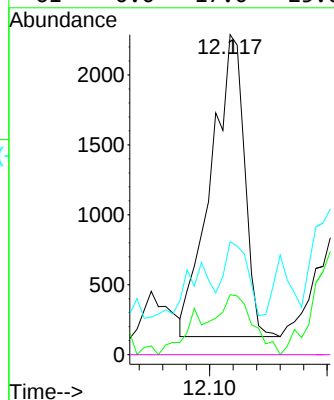
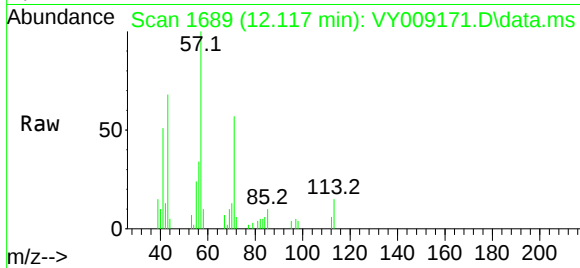




#74
N-amy1 acetate
Concen: 3.151 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

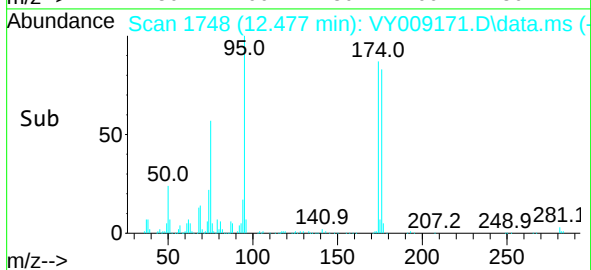
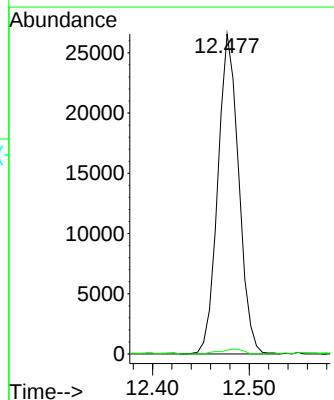
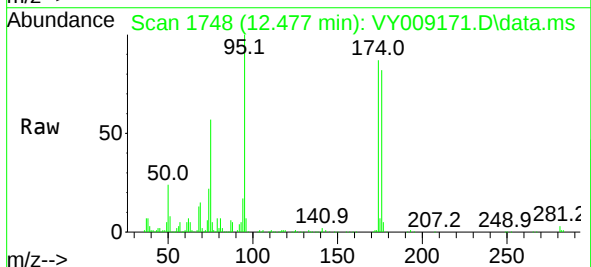
Instrument :
MSVOA_Y
ClientSampleId :
20220424-AMENDED-COMPOSITE-D

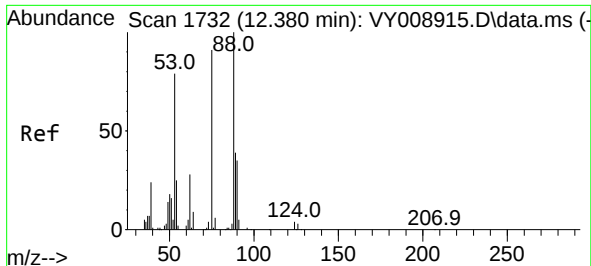
Tgt Ion:	43	Resp:	4283
Ion	Ratio	Lower	Upper
43	100		
70	20.1	28.7	43.1#
55	16.8	17.3	25.9#
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 47.008 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009171.D
Acq: 07 Jun 2022 18:02

Tgt Ion:	75	Resp:	39774
Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0#

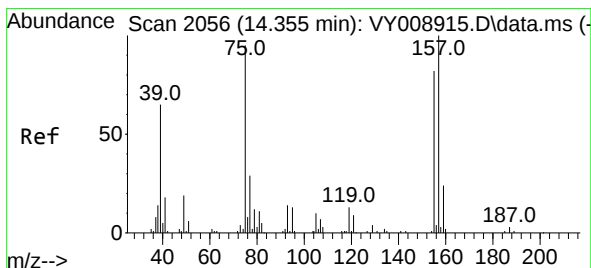
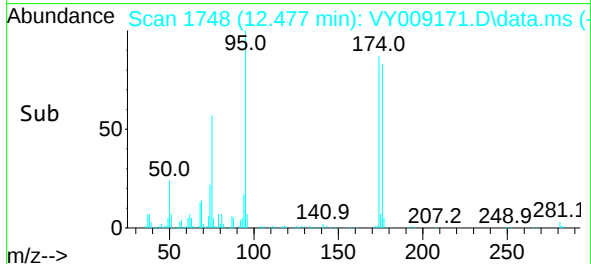
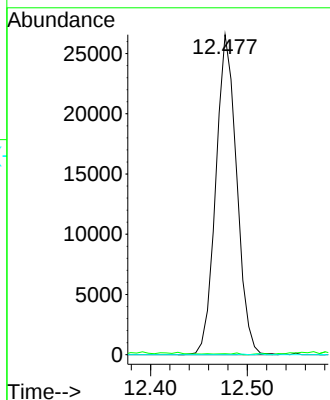
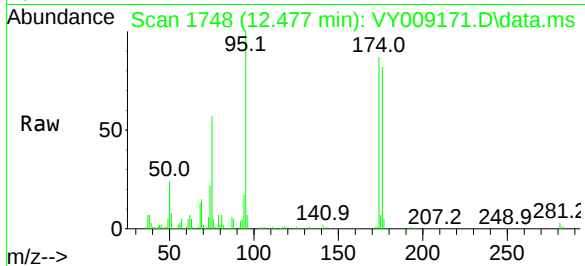




#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.484 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY009171.D
 Acq: 07 Jun 2022 18:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220424-AMENDED-COMPOSITE-D

Tgt Ion: 75 Resp: 39774
 Ion Ratio Lower Upper
 75 100
 53 0.3 85.3 127.9#
 89 0.1 37.0 55.4#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.088 ug/l
 RT: 14.397 min Scan# 2063
 Delta R.T. 0.042 min
 Lab File: VY009171.D
 Acq: 07 Jun 2022 18:02

Tgt Ion: 75 Resp: 205
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.0 113.9#
 157 0.0 47.8 143.3#

