

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042622\
 Data File : VY008499.D
 Acq On : 26 Apr 2022 13:20
 Operator : KP/MD
 Sample : N2502-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C1

Quant Time: Apr 27 01:21:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

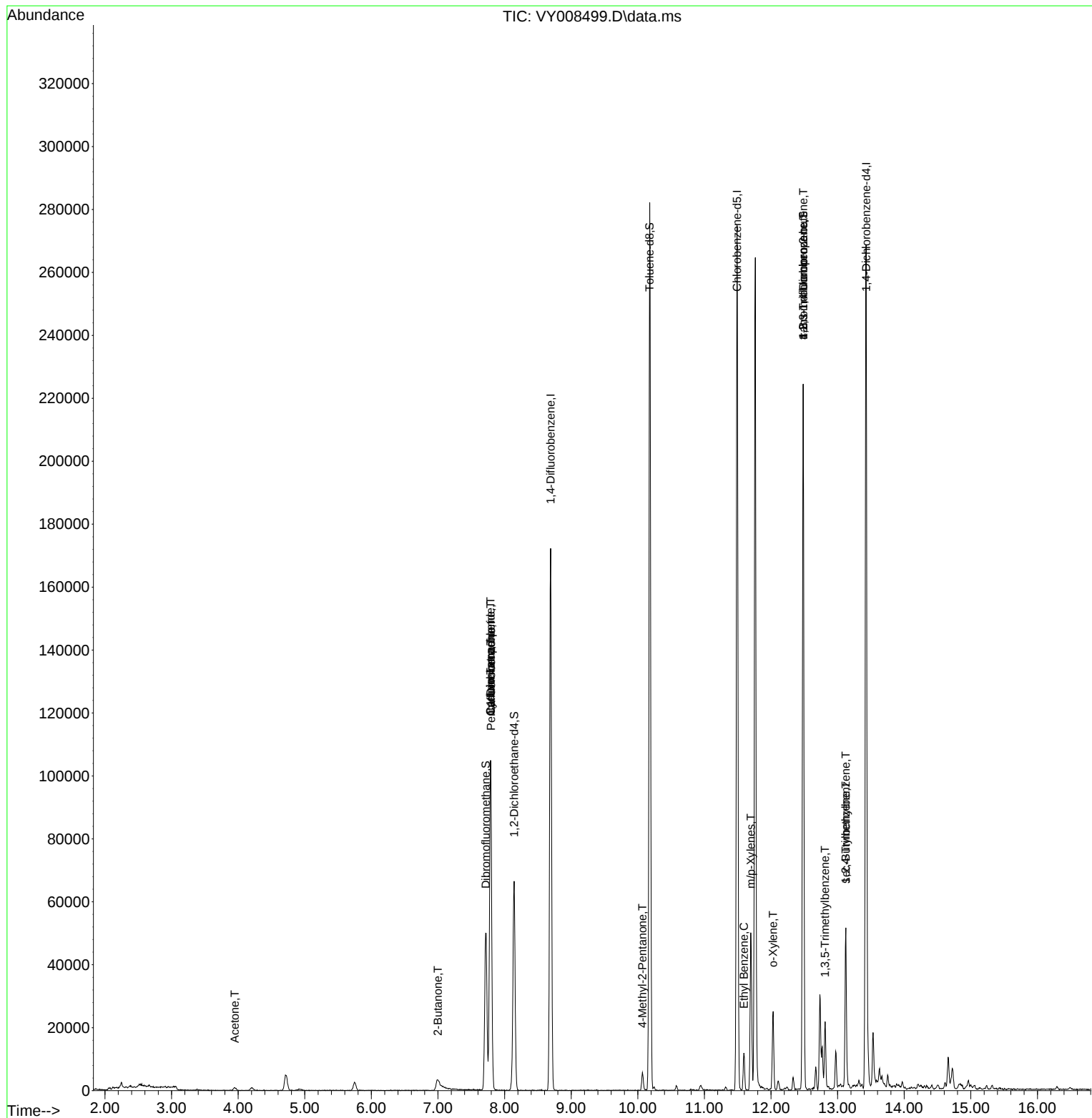
Internal Standards						
1) Pentafluorobenzene	7.795	168	81908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	149434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	49688	51.557	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.120%	
35) Dibromofluoromethane	7.715	113	35867	36.502	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 73.000%	
50) Toluene-d8	10.178	98	186974	47.846	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.700%	
62) 4-Bromofluorobenzene	12.483	95	64138	48.475	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.940%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.929	59	482	Below Cal	#	77
16) Acetone	3.948	43	1660	7.395	ug/l	90
20) Methylene Chloride	4.722	84	3968	Below Cal	#	73
25) 2-Butanone	6.996	43	376	1.083	ug/l	# 54
31) Cyclohexane	7.789	56	1603	1.012	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	6894	4.411	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	8393	5.168	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.069	43	3631	4.342	ug/l	89
67) Ethyl Benzene	11.593	91	8394	1.431	ug/l	95
68) m/p-Xylenes	11.696	106	14475	6.162	ug/l	91
69) o-Xylene	12.032	106	6617	2.926	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	35101	38.874	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.812	105	8417	1.917	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.483	75	35101	90.182	ug/l	# 7
84) 1,2,4-Trimethylbenzene	13.123	105	27019	6.202	ug/l	99
85) sec-Butylbenzene	13.123	105	27019	4.697	ug/l	# 56

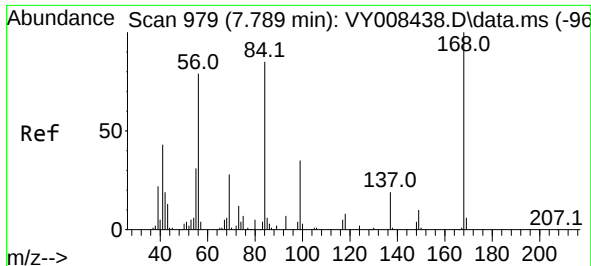
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042622\
Data File : VY008499.D
Acq On : 26 Apr 2022 13:20
Operator : KP/MD
Sample : N2502-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C1

Quant Time: Apr 27 01:21:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 21 14:28:40 2022
Response via : Initial Calibration

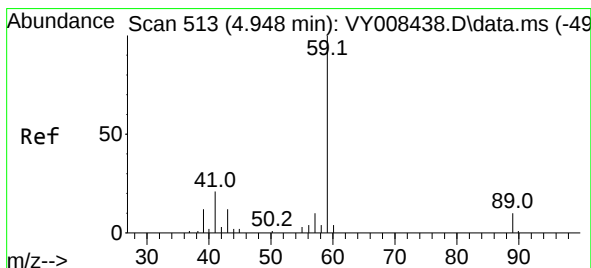
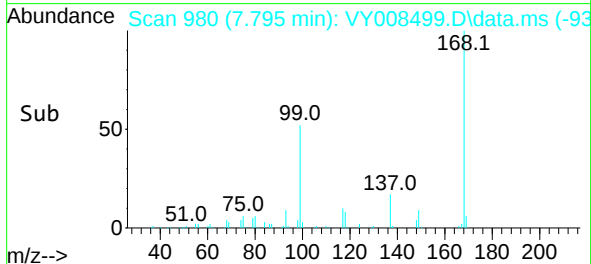
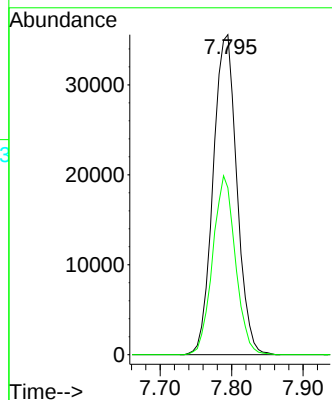
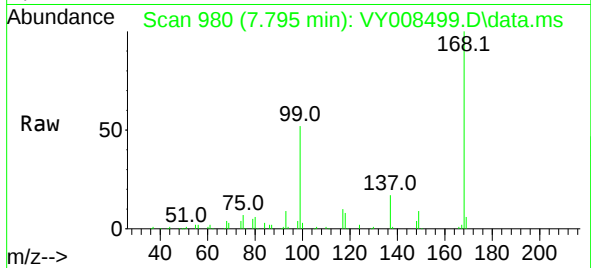




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

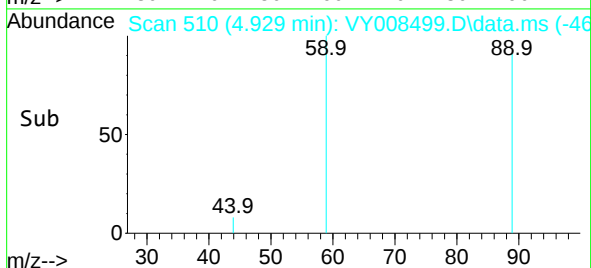
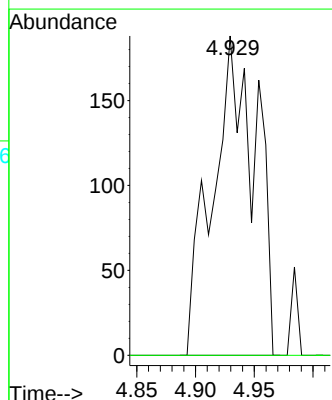
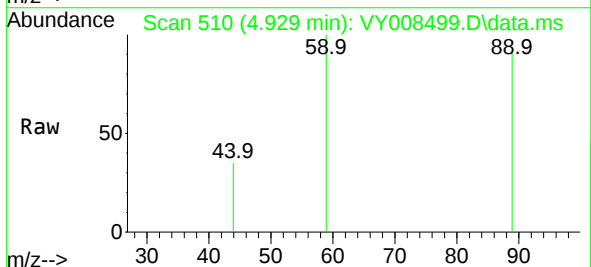
Instrument :
MSVOA_Y
ClientSampleId :
C1

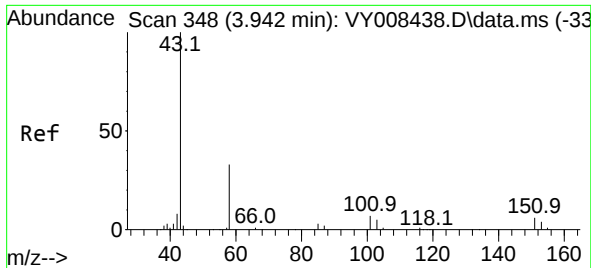
Tgt Ion:168 Resp: 81908
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.929 min Scan# 510
Delta R.T. -0.019 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

Tgt Ion: 59 Resp: 482
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 7.395 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY008499.D

Acq: 26 Apr 2022 13:20

Instrument :

MSVOA_Y

ClientSampleId :

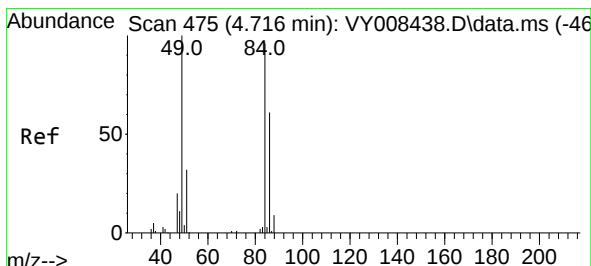
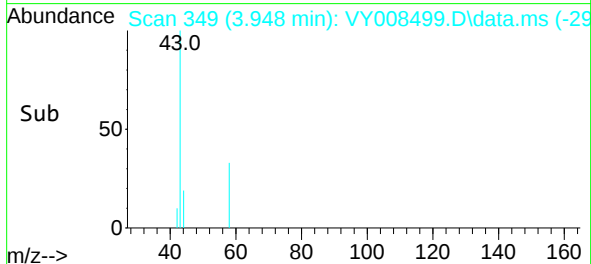
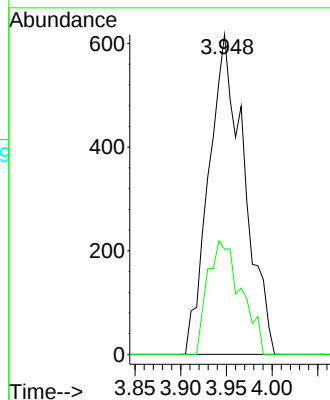
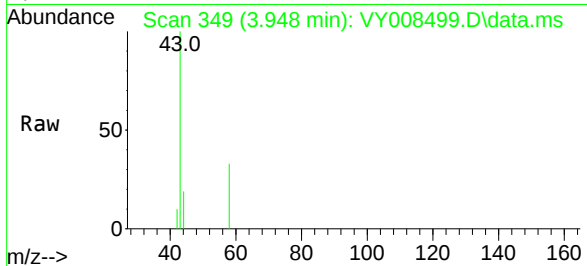
C1

Tgt Ion: 43 Resp: 1660

Ion Ratio Lower Upper

43 100

58 32.9 22.0 33.0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY008499.D

Acq: 26 Apr 2022 13:20

Tgt Ion: 84 Resp: 3968

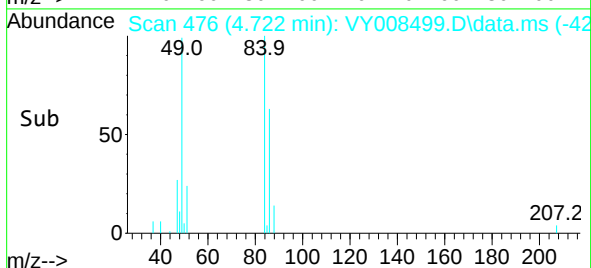
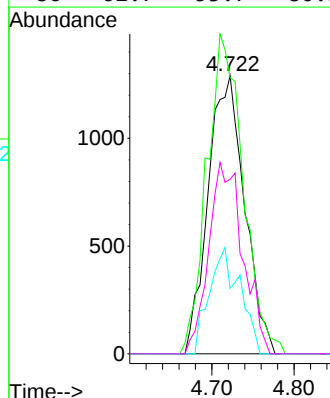
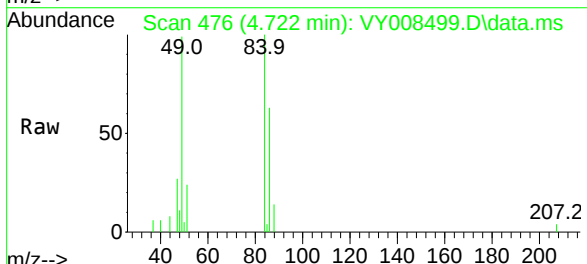
Ion Ratio Lower Upper

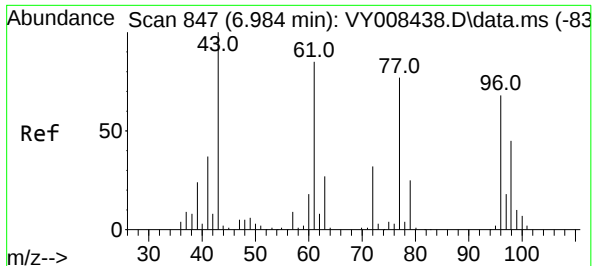
84 100

49 99.3 114.4 171.6#

51 23.6 35.3 52.9#

86 62.7 53.7 80.5





#25

2-Butanone

Concen: 1.083 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY008499.D

Acq: 26 Apr 2022 13:20

Instrument :

MSVOA_Y

ClientSampleId :

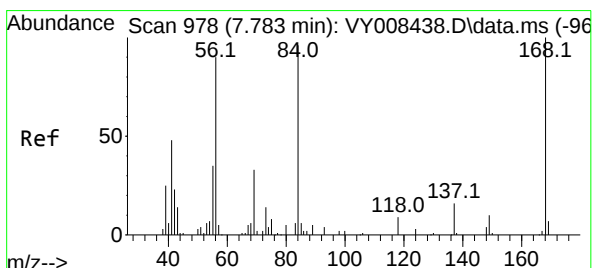
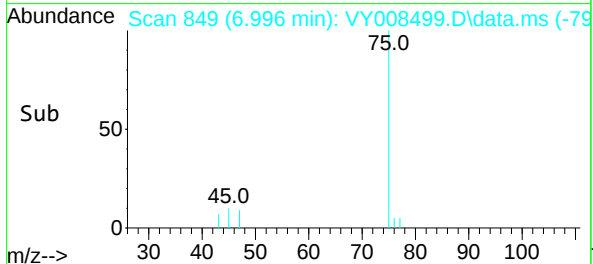
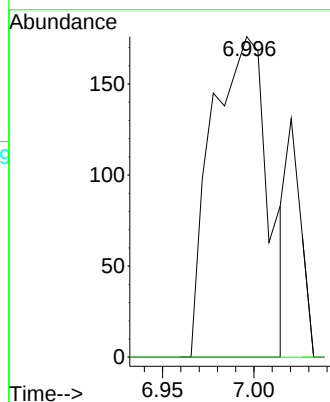
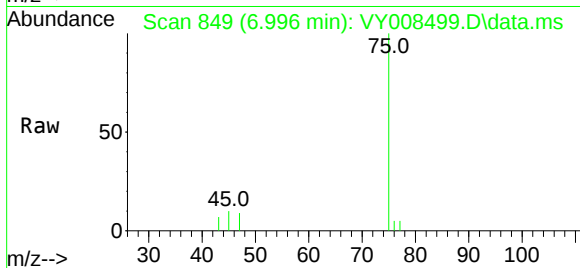
C1

Tgt Ion: 43 Resp: 376

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.012 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008499.D

Acq: 26 Apr 2022 13:20

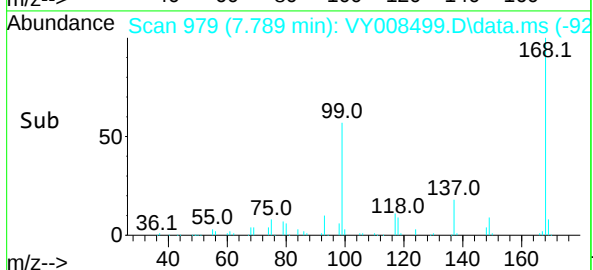
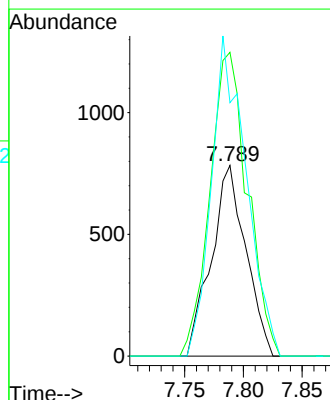
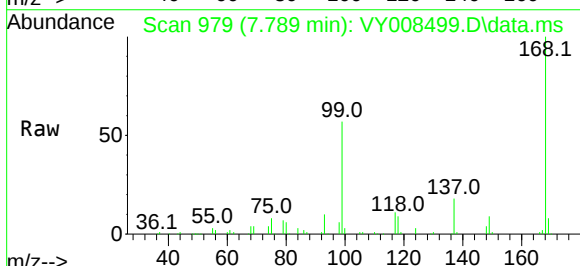
Tgt Ion: 56 Resp: 1603

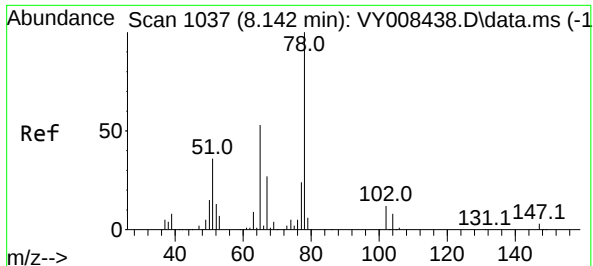
Ion Ratio Lower Upper

56 100

69 159.4 26.7 40.1#

84 133.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 51.557 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008499.D

Acq: 26 Apr 2022 13:20

Instrument :

MSVOA_Y

ClientSampleId :

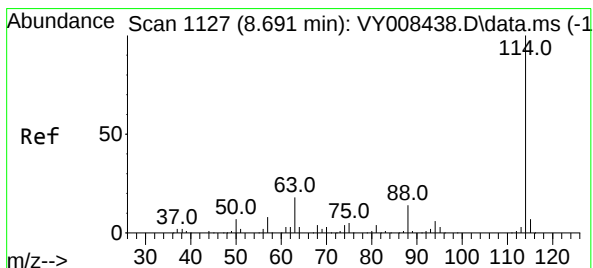
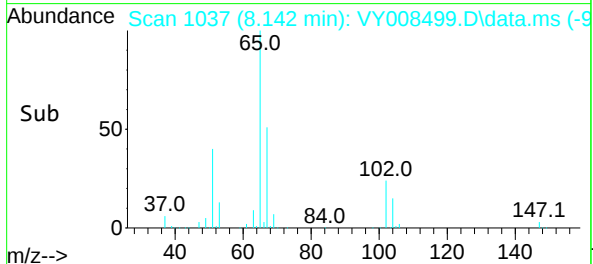
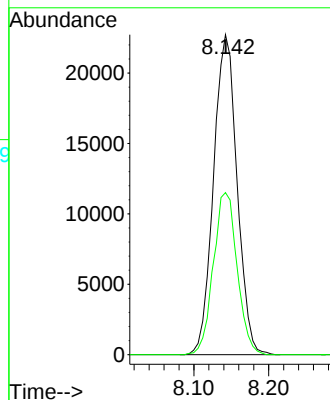
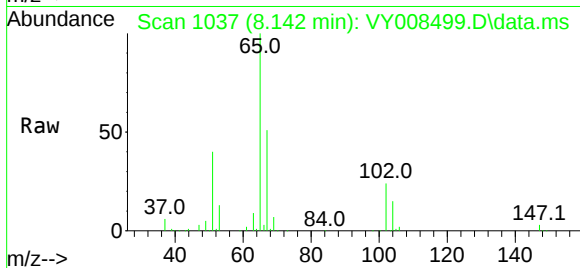
C1

Tgt Ion: 65 Resp: 49688

Ion Ratio Lower Upper

65 100

67 51.2 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: VY008499.D

Acq: 26 Apr 2022 13:20

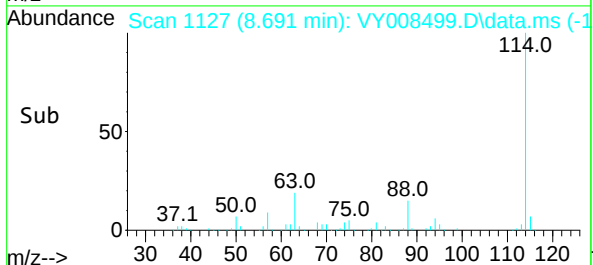
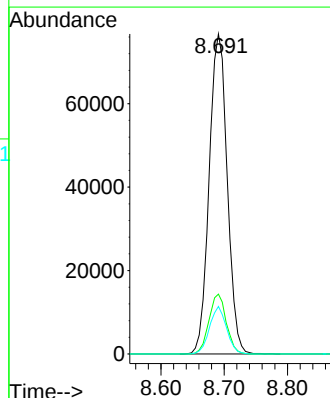
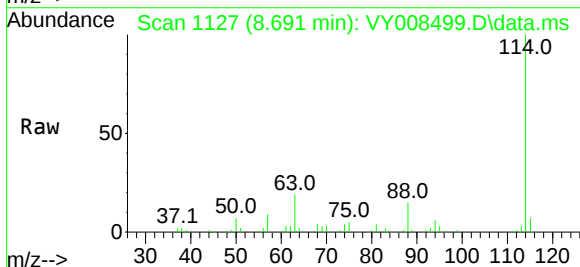
Tgt Ion: 114 Resp: 152252

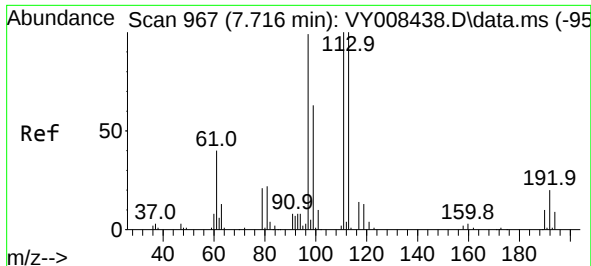
Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 14.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 36.502 ug/l

RT: 7.715 min Scan# 91

Delta R.T. -0.001 min

Lab File: VY008499.D

Acq: 26 Apr 2022 13:20

Instrument :

MSVOA_Y

ClientSampleId :

C1

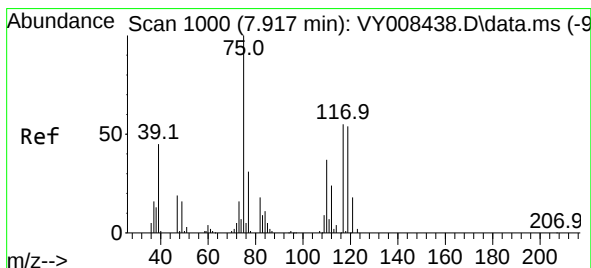
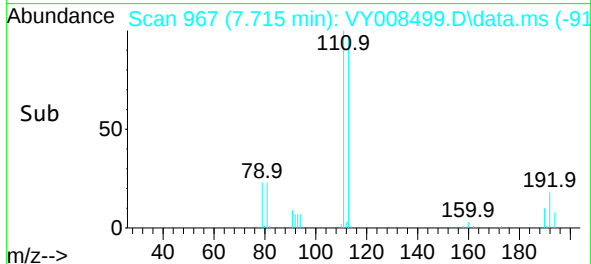
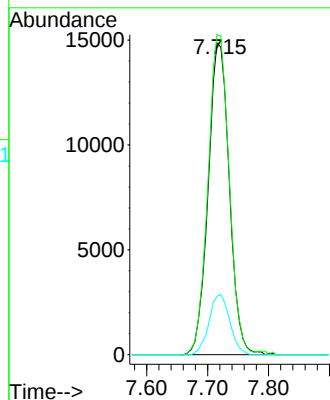
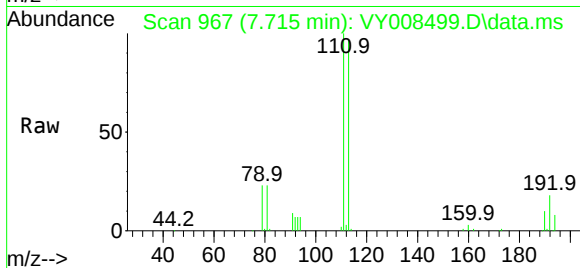
Tgt Ion:113 Resp: 35867

Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 19.0 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.411 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY008499.D

Acq: 26 Apr 2022 13:20

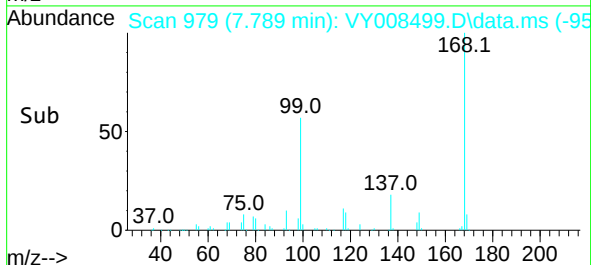
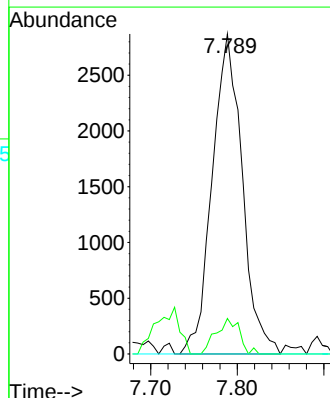
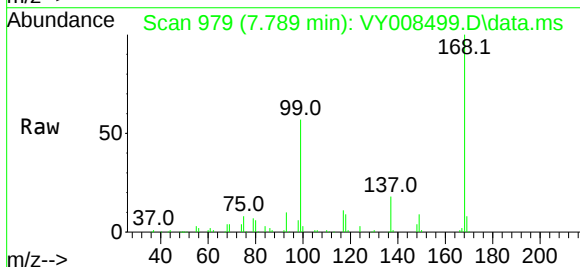
Tgt Ion: 75 Resp: 6894

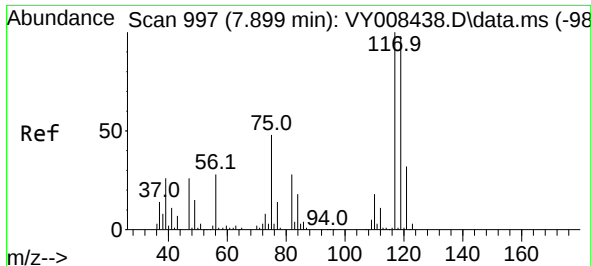
Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

77 0.0 24.4 36.6#

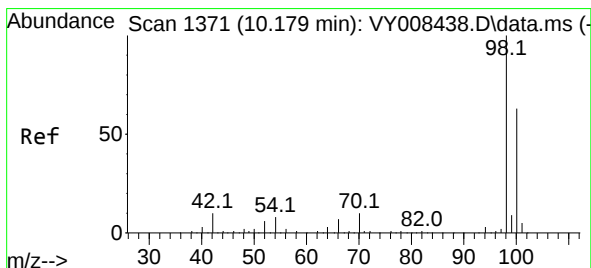
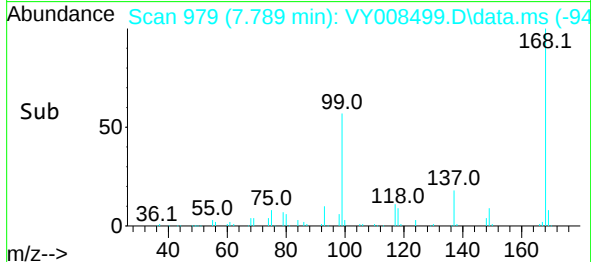
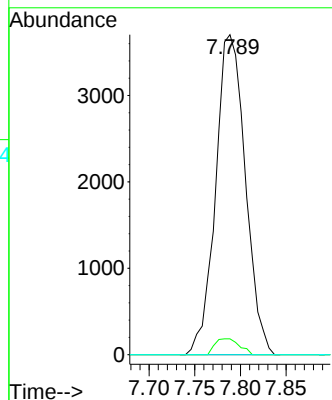
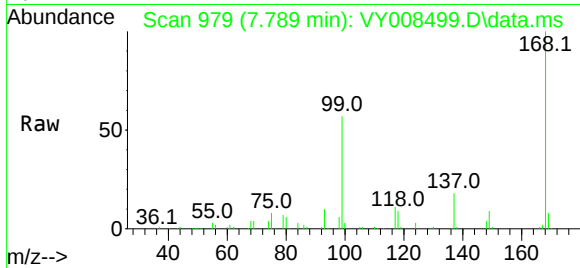




#38
Carbon Tetrachloride
Concen: 5.168 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

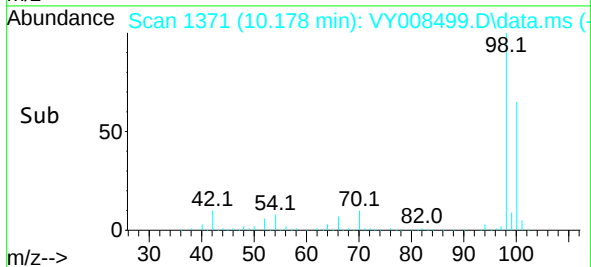
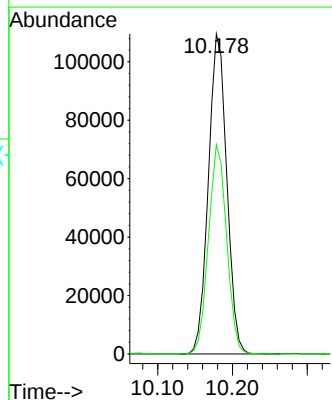
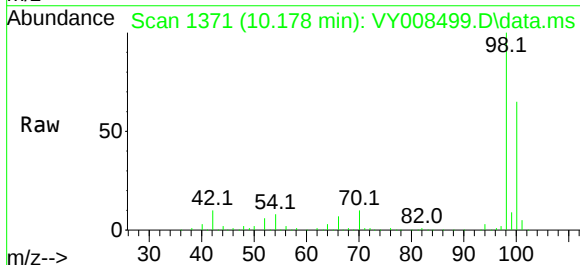
Instrument :
MSVOA_Y
ClientSampleId :
C1

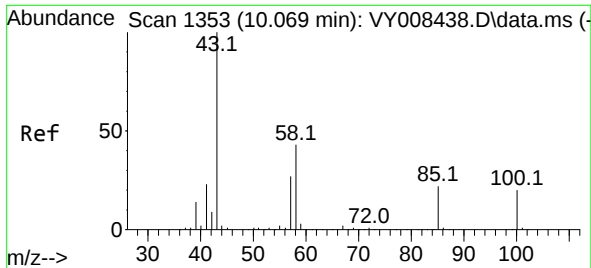
Tgt Ion:117 Resp: 8393
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.846 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

Tgt Ion: 98 Resp: 186974
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

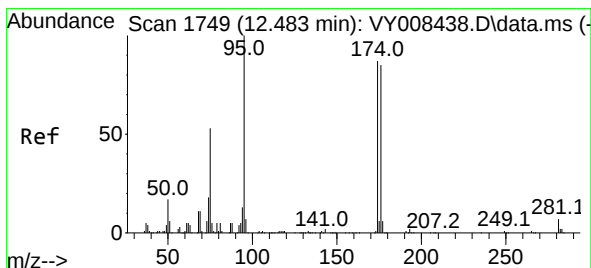
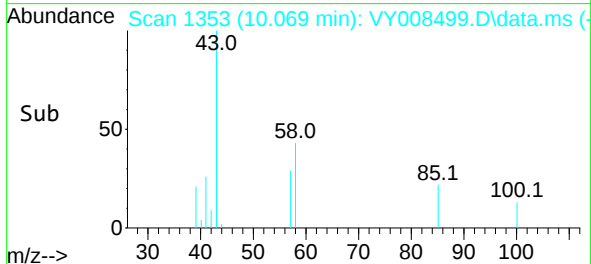
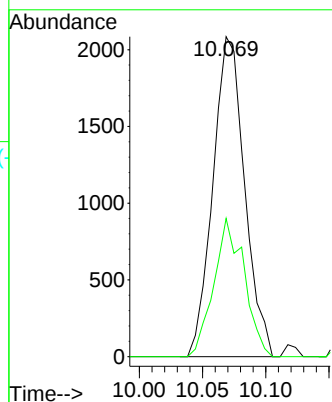
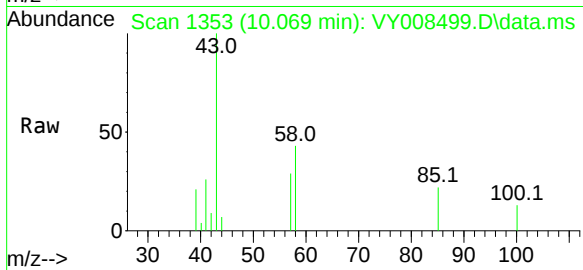




#51
4-Methyl-2-Pentanone
Concen: 4.342 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

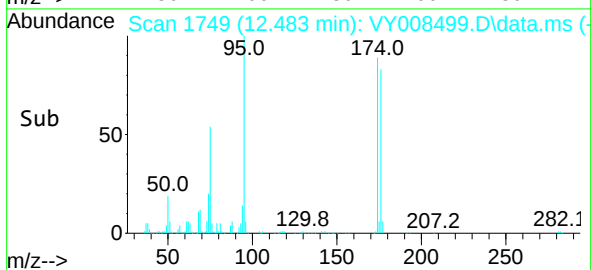
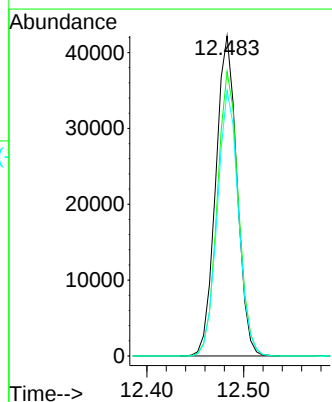
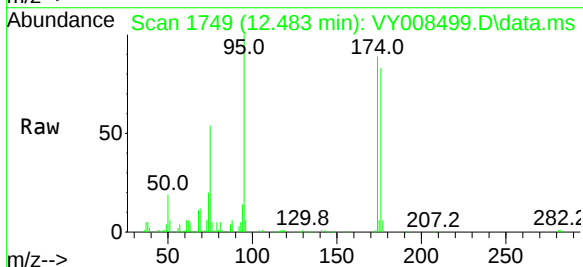
Instrument :
MSVOA_Y
ClientSampleId :
C1

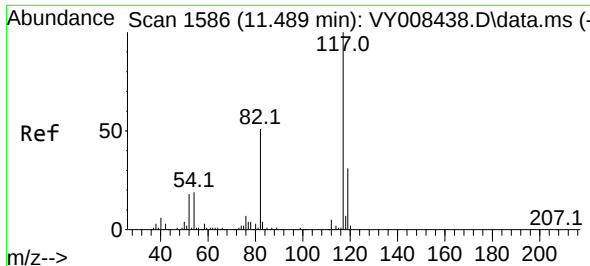
Tgt Ion: 43 Resp: 3631
Ion Ratio Lower Upper
43 100
58 41.4 28.1 42.1



#62
4-Bromofluorobenzene
Concen: 48.475 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

Tgt Ion: 95 Resp: 64138
Ion Ratio Lower Upper
95 100
174 88.6 0.0 177.0
176 82.8 0.0 175.8

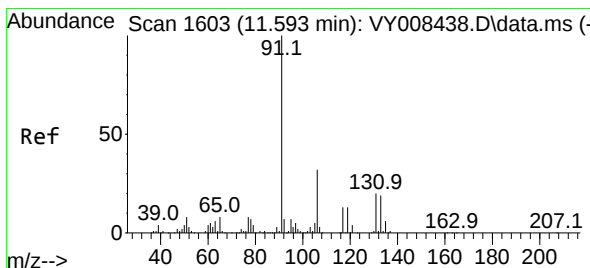
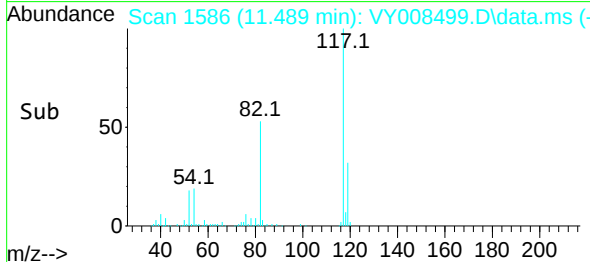
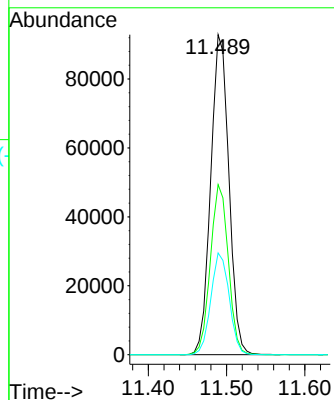
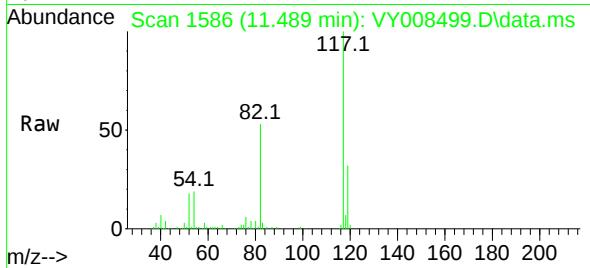




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

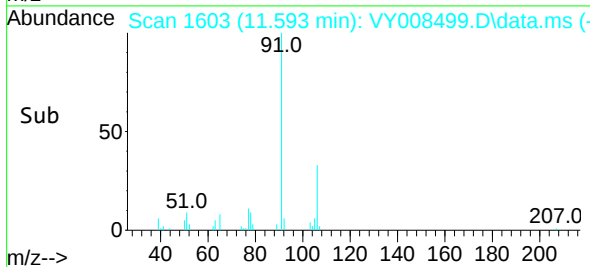
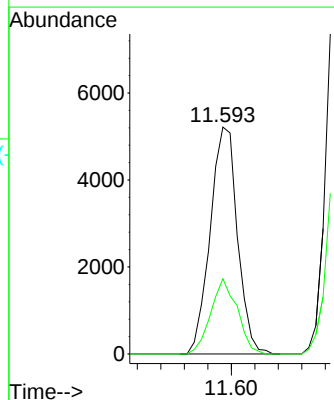
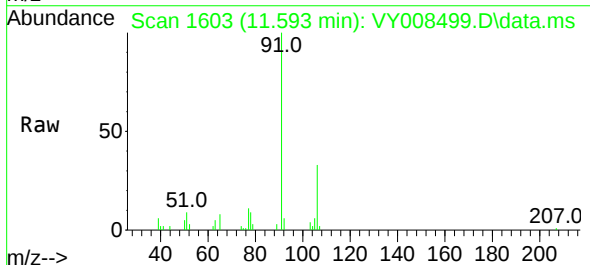
Instrument :
MSVOA_Y
ClientSampleId :
C1

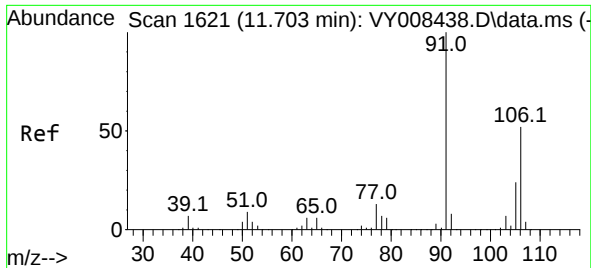
Tgt Ion:117 Resp: 149434
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 31.8 25.4 38.0



#67
Ethyl Benzene
Concen: 1.431 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

Tgt Ion: 91 Resp: 8394
Ion Ratio Lower Upper
91 100
106 33.1 24.5 36.7

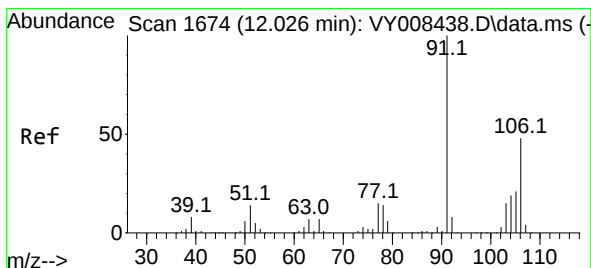
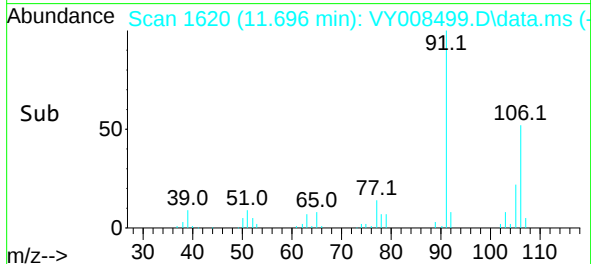
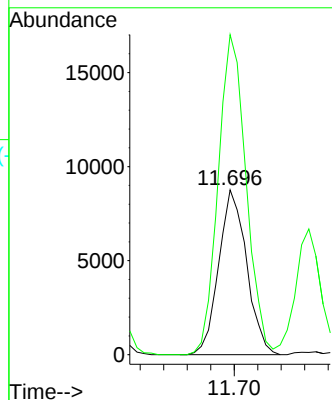
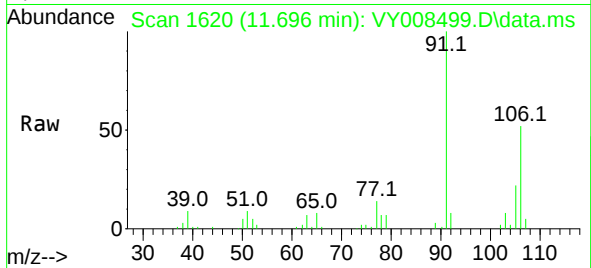




#68
m/p-Xylenes
Concen: 6.162 ug/l
RT: 11.696 min Scan# 1620
Delta R.T. -0.007 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

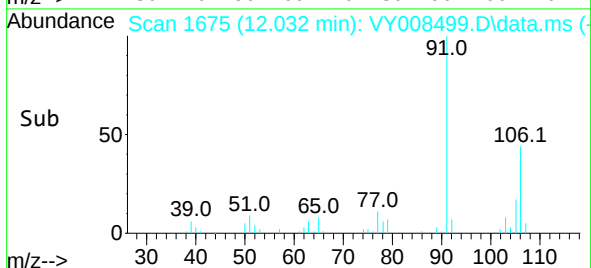
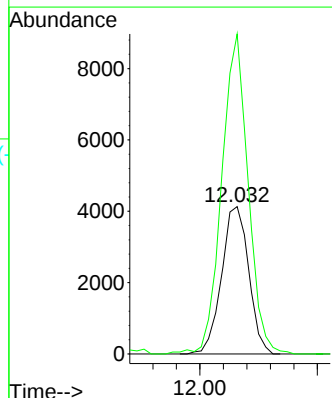
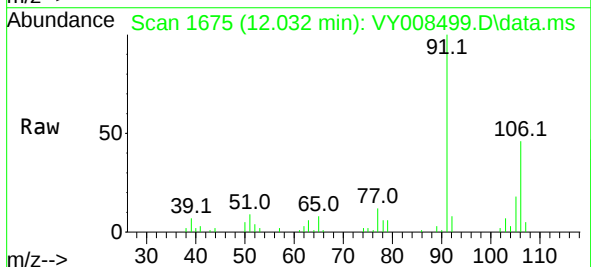
Instrument :
MSVOA_Y
ClientSampleId :
C1

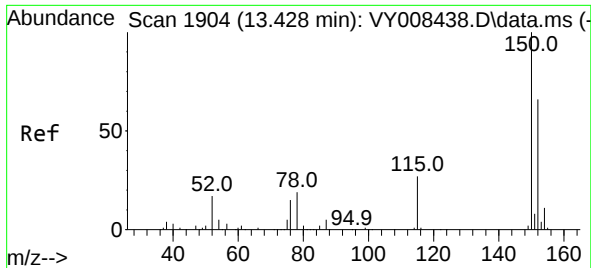
Tgt Ion:106 Resp: 14475
Ion Ratio Lower Upper
106 100
91 194.4 166.6 249.8



#69
o-Xylene
Concen: 2.926 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

Tgt Ion:106 Resp: 6617
Ion Ratio Lower Upper
106 100
91 211.3 110.3 331.0

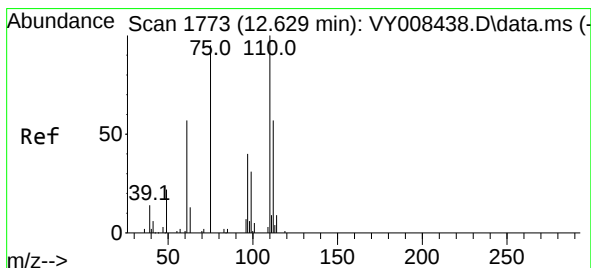
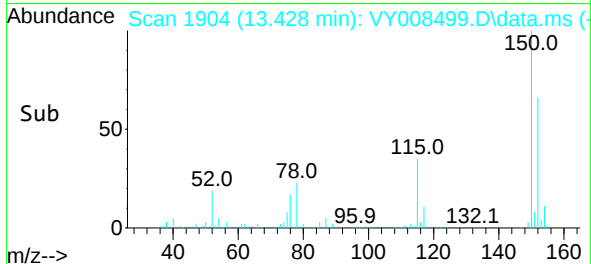
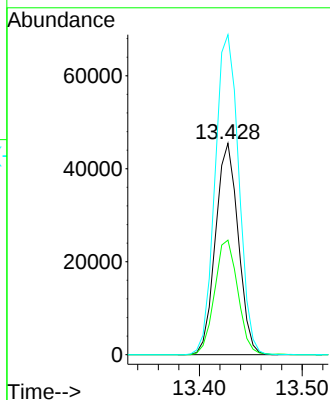
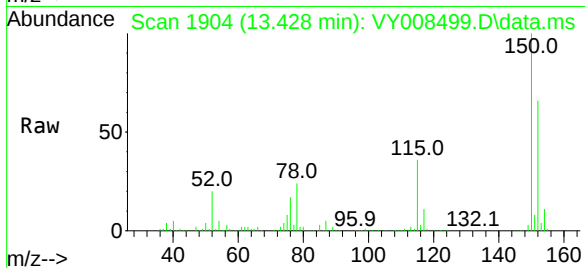




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VY008499.D
 Acq: 26 Apr 2022 13:20

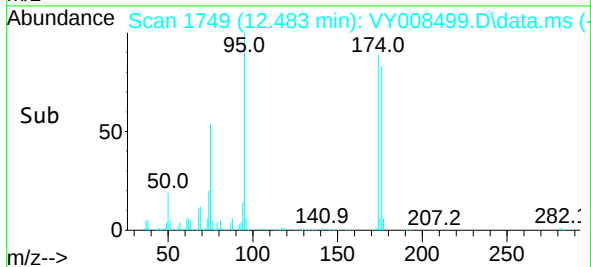
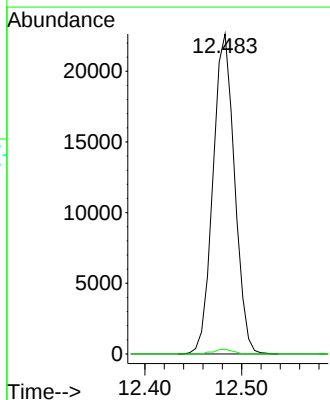
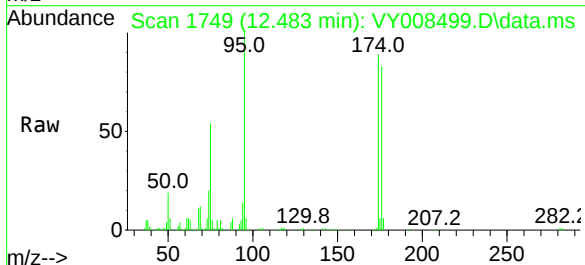
Instrument :
 MSVOA_Y
 ClientSampleId :
 C1

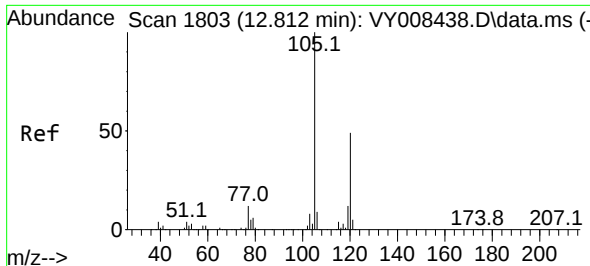
Tgt Ion:152 Resp: 69771
 Ion Ratio Lower Upper
 152 100
 115 55.6 28.2 84.7
 150 157.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 38.874 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY008499.D
 Acq: 26 Apr 2022 13:20

Tgt Ion: 75 Resp: 35101
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

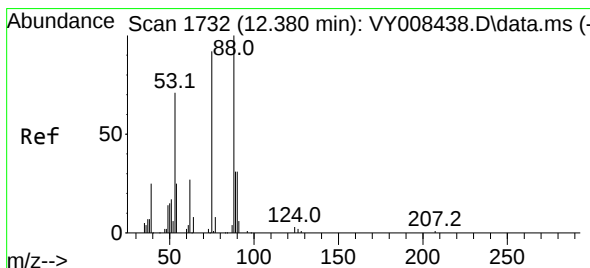
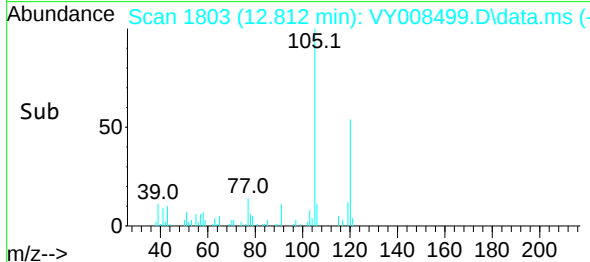
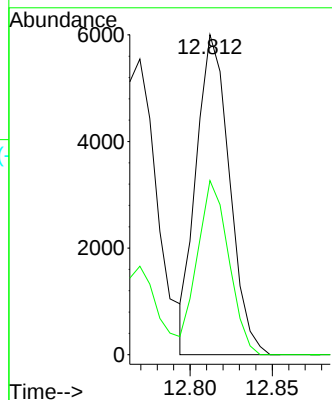
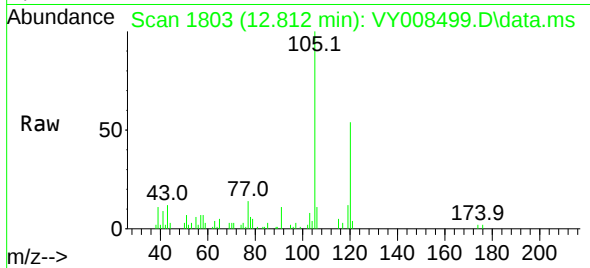




#80
 1,3,5-Trimethylbenzene
 Concen: 1.917 ug/l
 RT: 12.812 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VY008499.D
 Acq: 26 Apr 2022 13:20

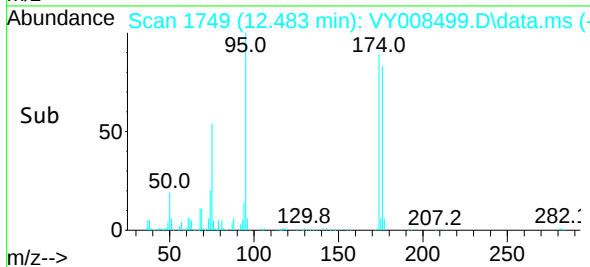
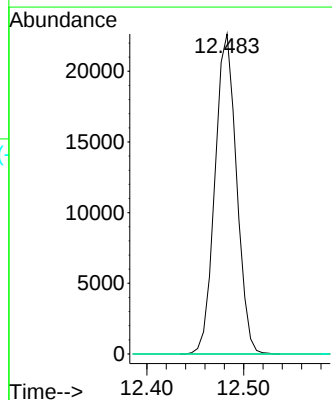
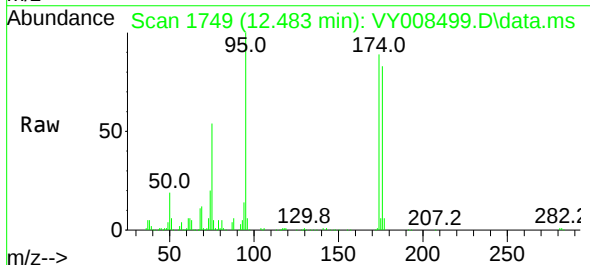
Instrument :
 MSVOA_Y
 ClientSampleId :
 C1

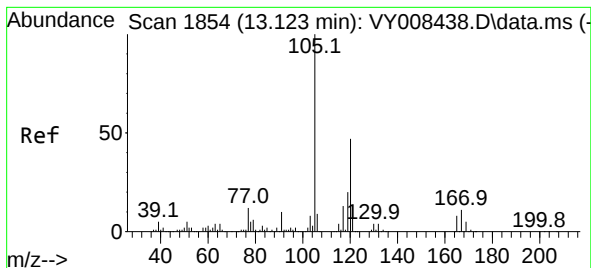
Tgt Ion:105 Resp: 8417
 Ion Ratio Lower Upper
 105 100
 120 51.3 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.182 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.103 min
 Lab File: VY008499.D
 Acq: 26 Apr 2022 13:20

Tgt Ion: 75 Resp: 35101
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 6.202 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY008499.D

Acq: 26 Apr 2022 13:20

Instrument :

MSVOA_Y

ClientSampleId :

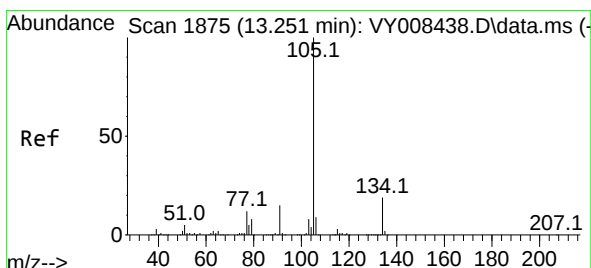
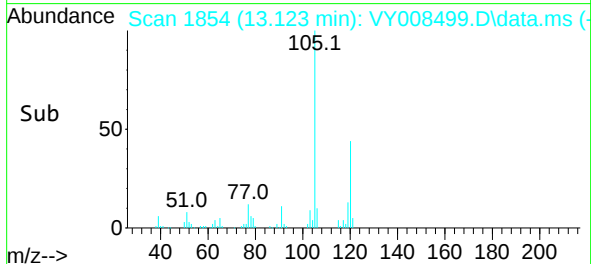
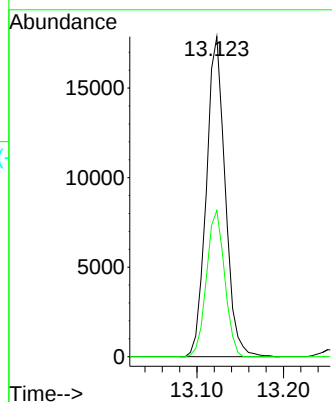
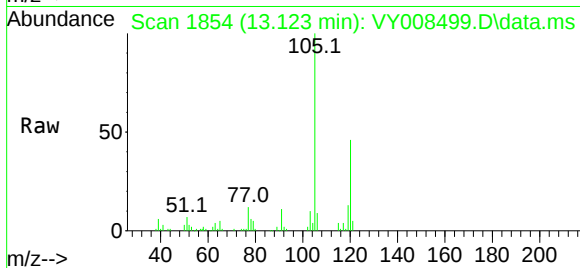
C1

Tgt Ion:105 Resp: 27019

Ion Ratio Lower Upper

105 100

120 43.8 22.3 66.9



#85

sec-Butylbenzene

Concen: 4.697 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.128 min

Lab File: VY008499.D

Acq: 26 Apr 2022 13:20

Tgt Ion:105 Resp: 27019

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.4#

