

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042022\
 Data File : VY008425.D
 Acq On : 20 Apr 2022 17:52
 Operator : KP/MD
 Sample : N2493-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11944

Quant Time: Apr 21 02:40:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

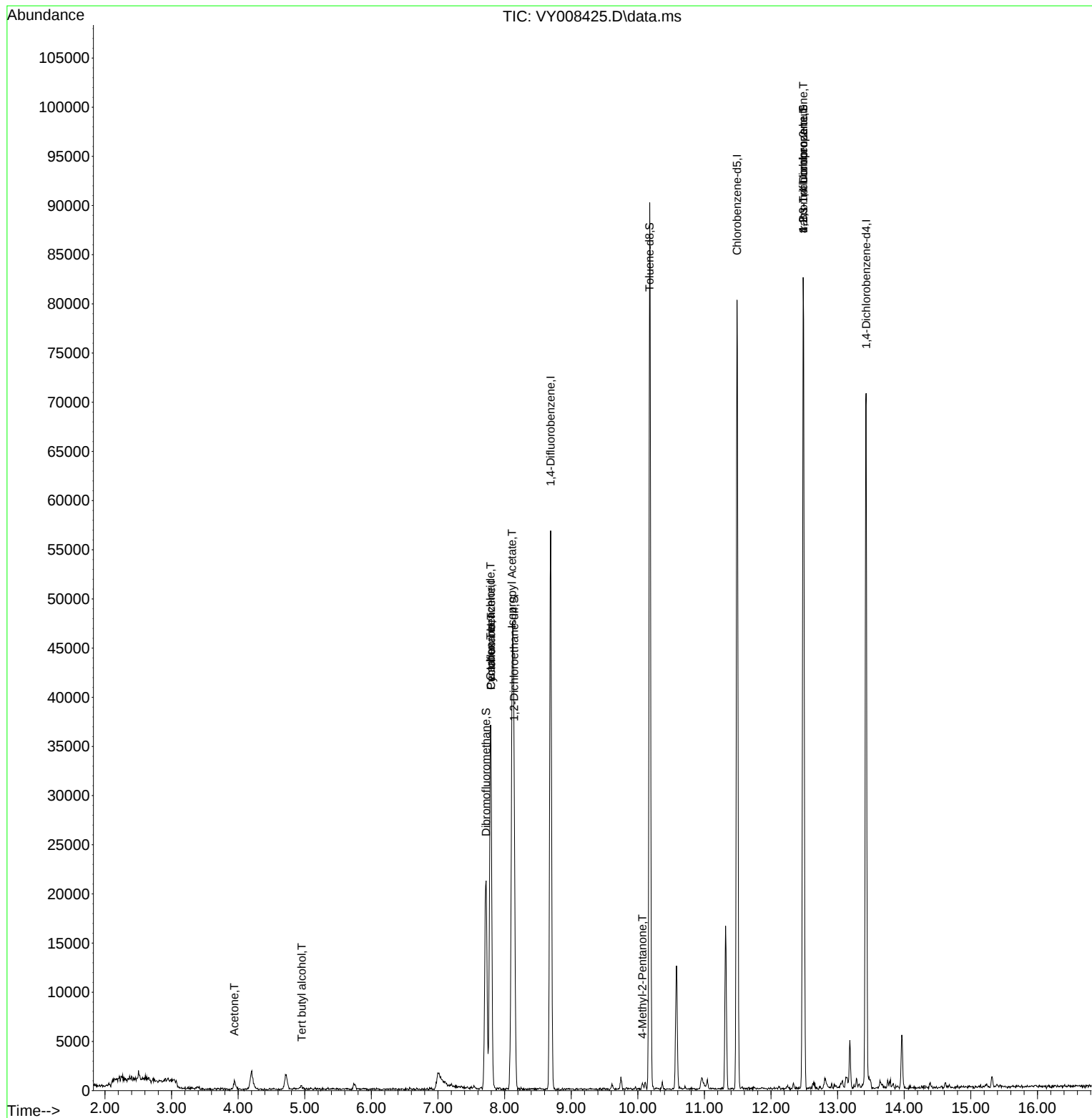
Internal Standards						
1) Pentafluorobenzene	7.795	168	30034	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	50580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	44925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	18096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	15242	54.027	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.060%	
35) Dibromofluoromethane	7.722	113	15743	53.888	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.780%	
50) Toluene-d8	10.179	98	59977	59.998	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 120.000%	
62) 4-Bromofluorobenzene	12.483	95	17723	47.137	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.280%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	79	Below Cal	#	75
11) Tert butyl alcohol	4.954	59	653	21.651	ug/l #	77
16) Acetone	3.942	43	1506	22.194	ug/l #	83
18) Methyl Acetate	4.204	43	503	Below Cal	#	56
20) Methylene Chloride	4.722	84	1275	Below Cal	#	71
31) Cyclohexane	7.795	56	672	1.317	ug/l #	5
38) Carbon Tetrachloride	7.789	117	3030	6.037	ug/l #	11
43) Isopropyl Acetate	8.112	43	897	2.009	ug/l #	1
51) 4-Methyl-2-Pentanone	10.069	43	458	1.987	ug/l #	84
76) 1,2,3-Trichloropropane	12.483	75	9836	49.146	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	9836	109.963	ug/l #	8

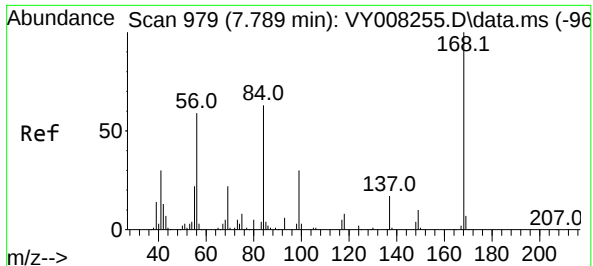
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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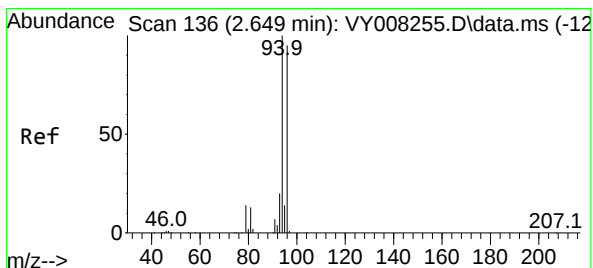
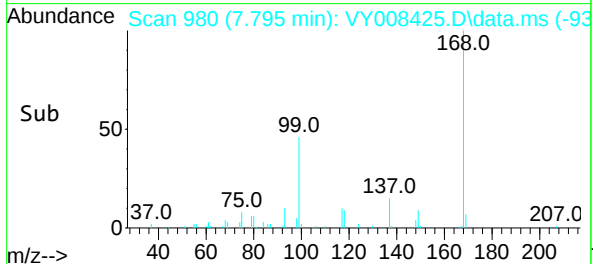
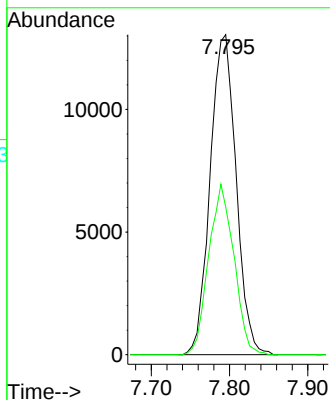
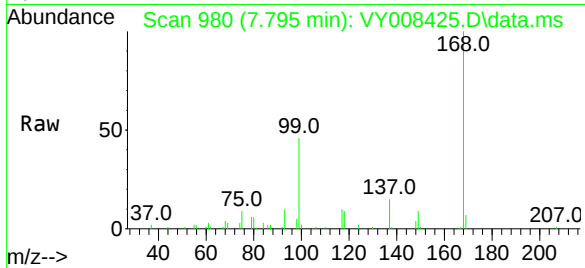




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008425.D
Acq: 20 Apr 2022 17:52

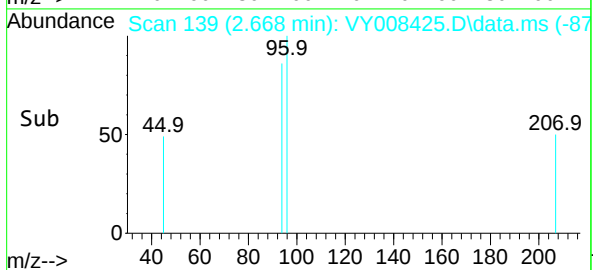
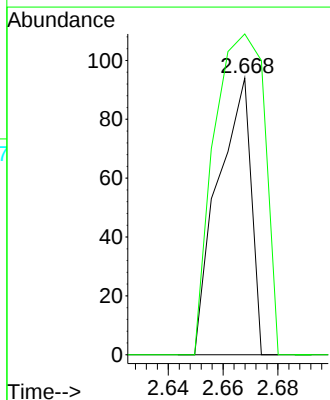
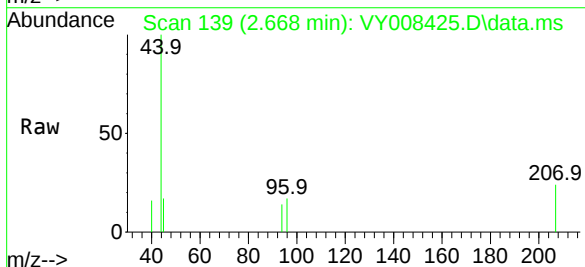
Instrument :
MSVOA_Y
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72-11944

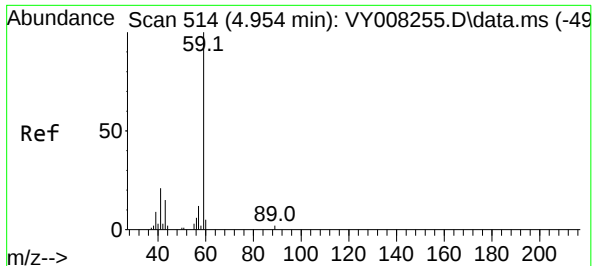
Tgt Ion:168 Resp: 30034
Ion Ratio Lower Upper
168 100
99 46.2 46.9 70.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.019 min
Lab File: VY008425.D
Acq: 20 Apr 2022 17:52

Tgt Ion: 94 Resp: 79
Ion Ratio Lower Upper
94 100
96 116.0 73.5 110.3#





#11

Tert butyl alcohol

Concen: 21.651 ug/l

RT: 4.954 min Scan# 514

Delta R.T. 0.000 min

Lab File: VY008425.D

Acq: 20 Apr 2022 17:52

Instrument :

MSVOA_Y

ClientSampleId :

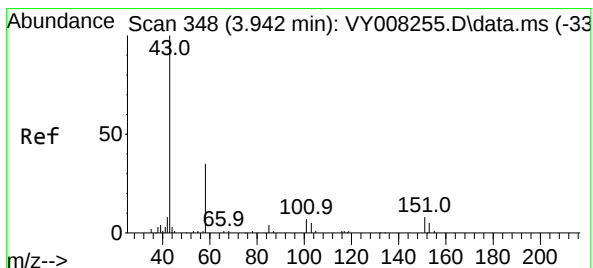
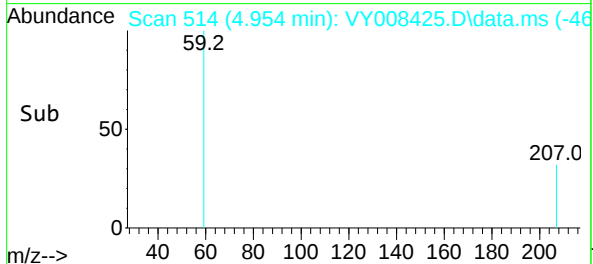
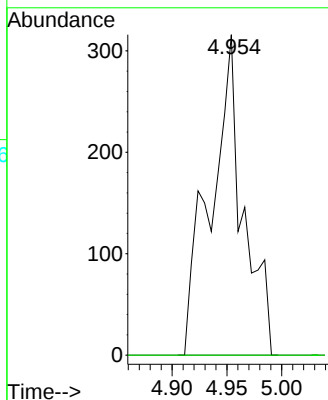
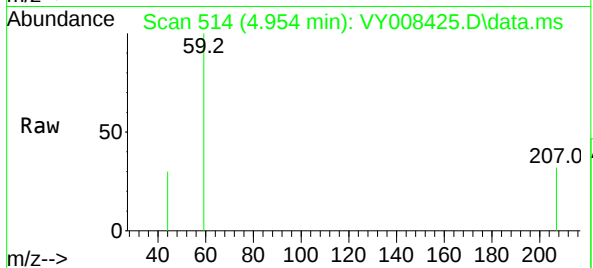
72-11944

Tgt Ion: 59 Resp: 653

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 22.194 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY008425.D

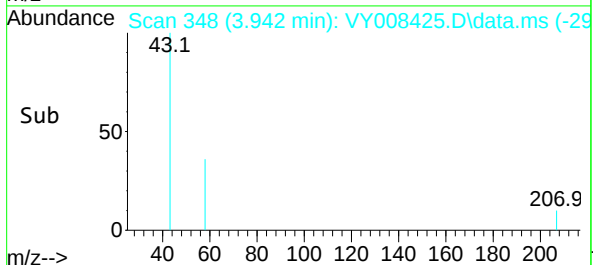
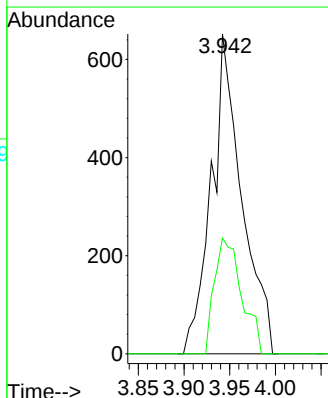
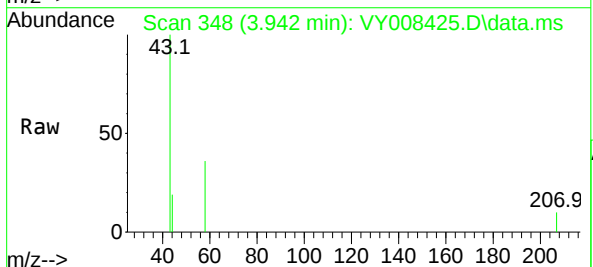
Acq: 20 Apr 2022 17:52

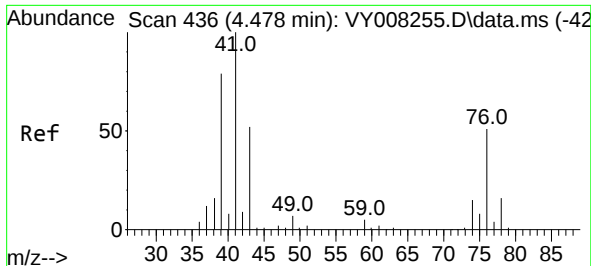
Tgt Ion: 43 Resp: 1506

Ion Ratio Lower Upper

43 100

58 36.2 22.0 33.0#

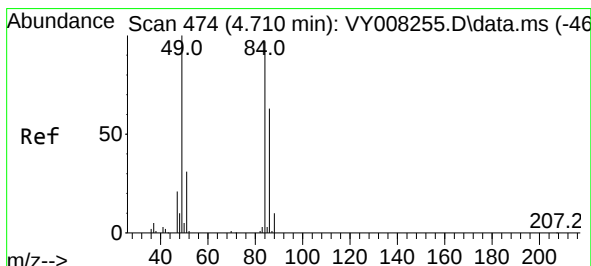
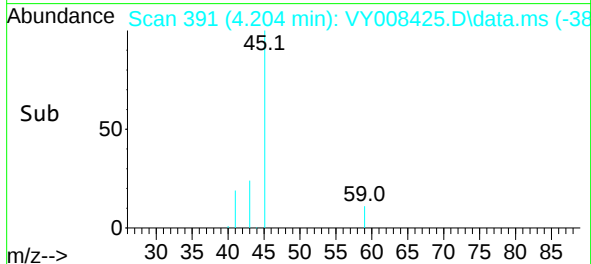
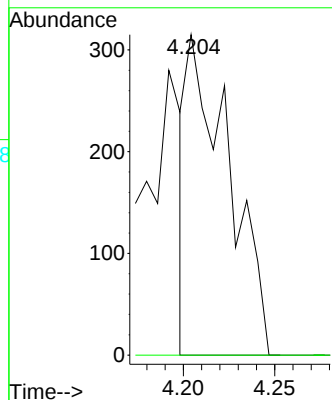
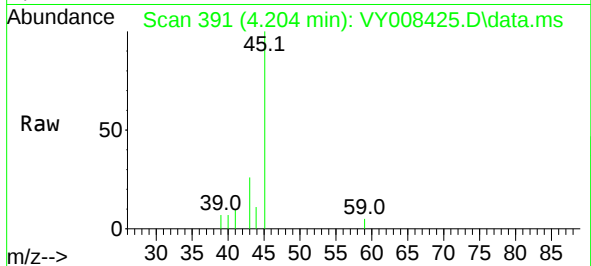




#18
Methyl Acetate
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. -0.274 min
Lab File: VY008425.D
Acq: 20 Apr 2022 17:52

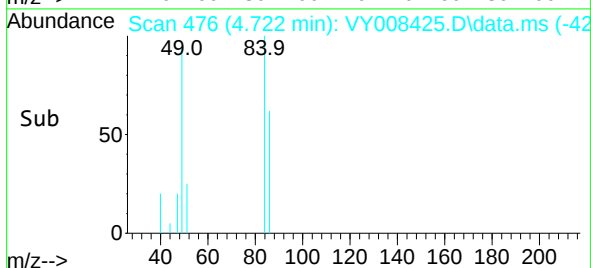
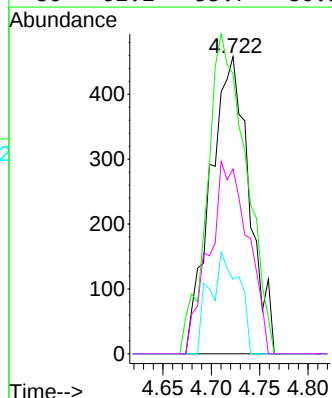
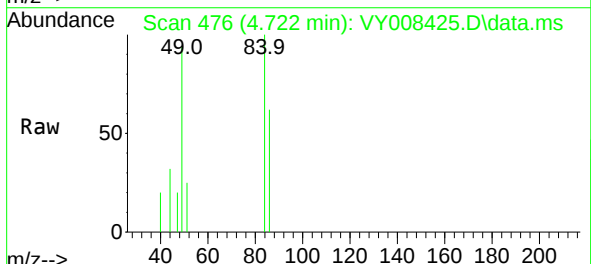
Instrument :
MSVOA_Y
ClientSampleId :
72-11944

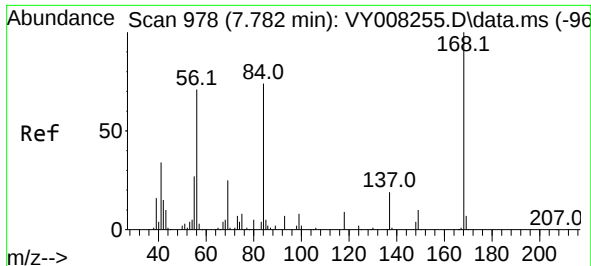
Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY008425.D
Acq: 20 Apr 2022 17:52

Tgt Ion: 84 Resp: 1275
Ion Ratio Lower Upper
84 100
49 94.3 114.4 171.6#
51 25.1 35.3 52.9#
86 62.2 53.7 80.5

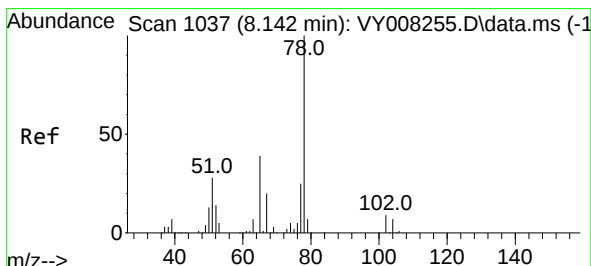
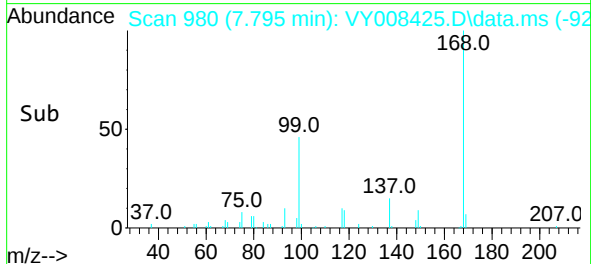
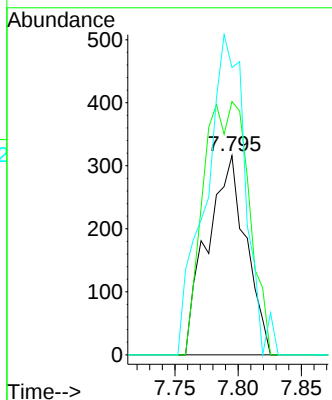
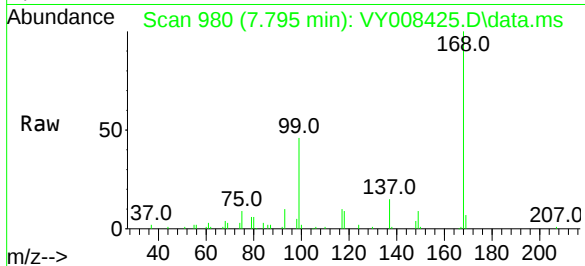




#31
Cyclohexane
Concen: 1.317 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY008425.D
Acq: 20 Apr 2022 17:52

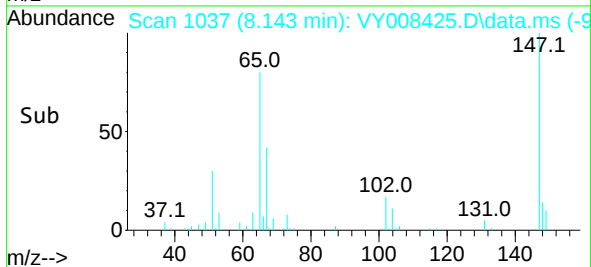
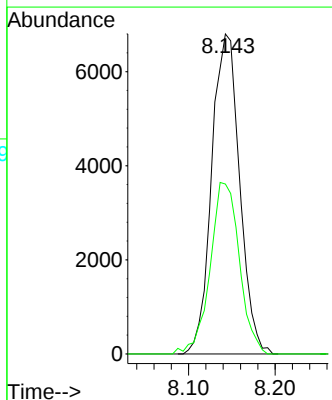
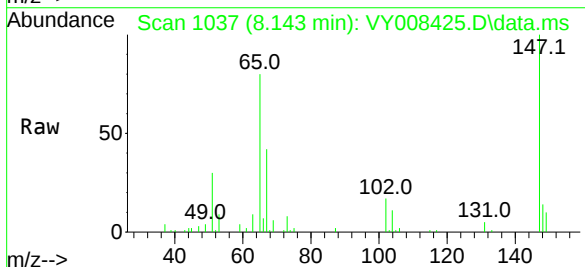
Instrument :
MSVOA_Y
ClientSampleId :
72-11944

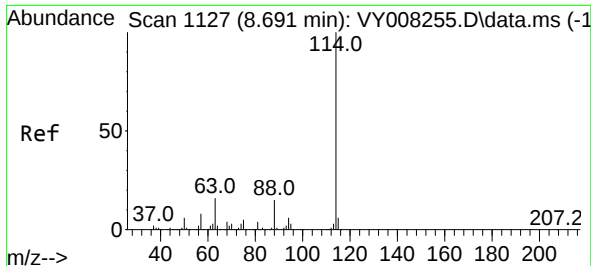
Tgt Ion: 56 Resp: 672
Ion Ratio Lower Upper
56 100
69 127.2 26.7 40.1#
84 144.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.027 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY008425.D
Acq: 20 Apr 2022 17:52

Tgt Ion: 65 Resp: 15242
Ion Ratio Lower Upper
65 100
67 56.0 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: VY008425.D

Acq: 20 Apr 2022 17:52

Instrument :

MSVOA_Y

ClientSampleId :

72-11944

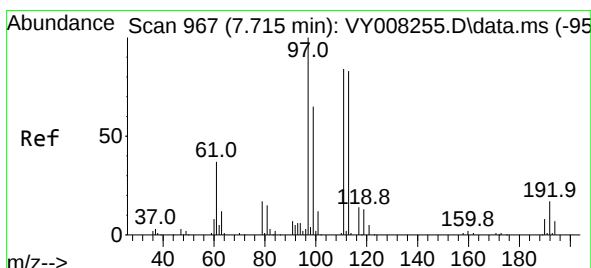
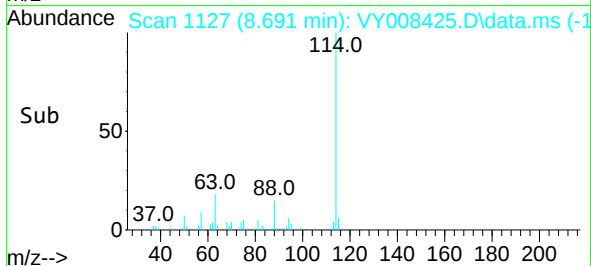
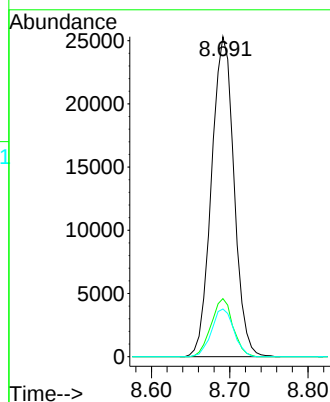
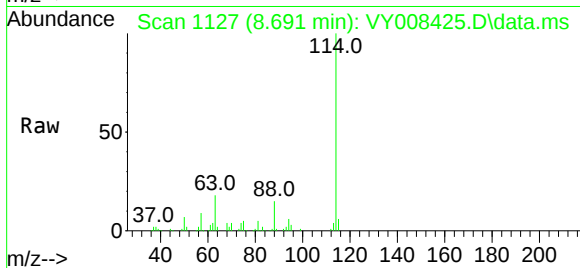
Tgt Ion:114 Resp: 50580

Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.888 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.007 min

Lab File: VY008425.D

Acq: 20 Apr 2022 17:52

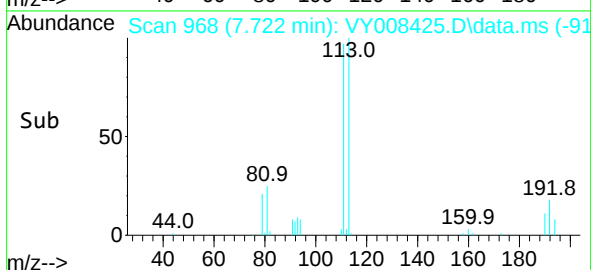
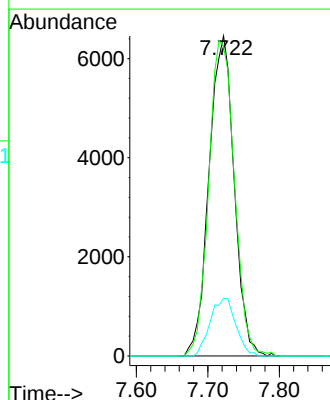
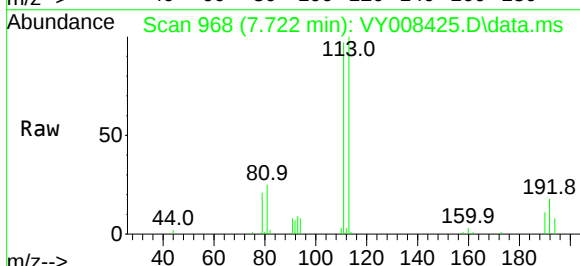
Tgt Ion:113 Resp: 15743

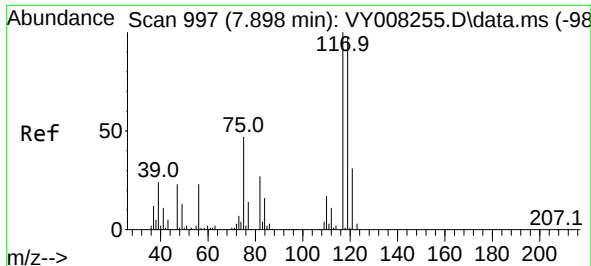
Ion Ratio Lower Upper

113 100

111 100.6 82.6 124.0

192 18.4 17.6 26.4

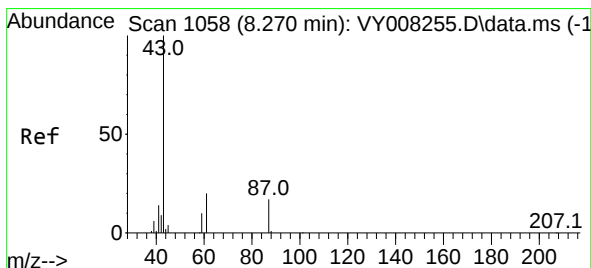
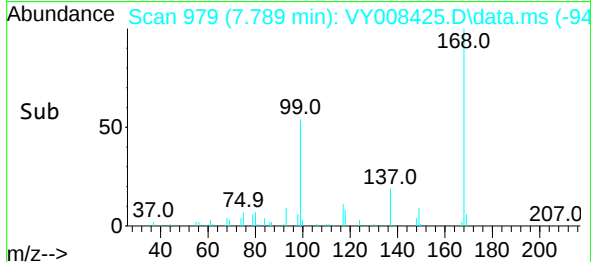
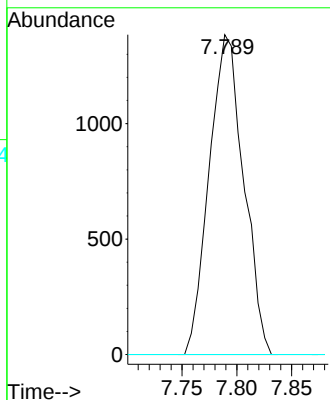
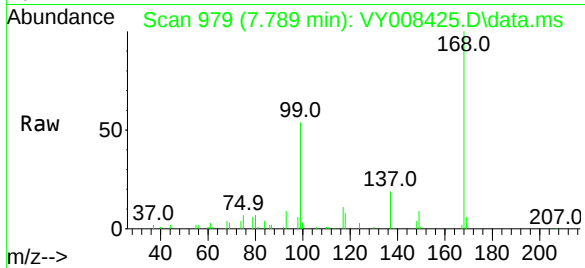




#38
Carbon Tetrachloride
Concen: 6.037 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY008425.D
Acq: 20 Apr 2022 17:52

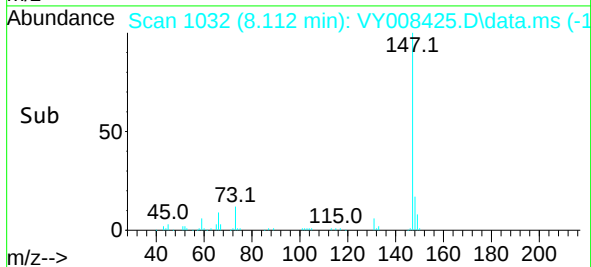
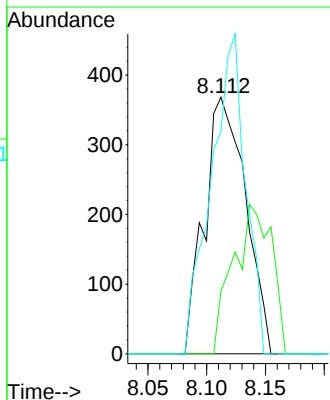
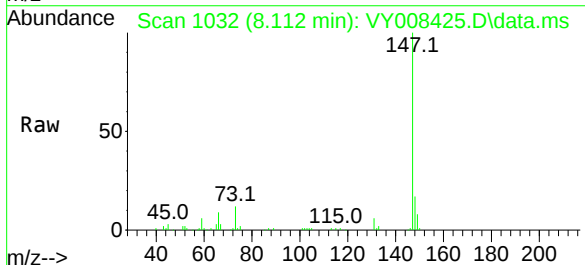
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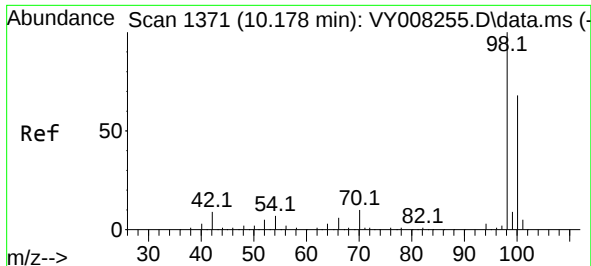
Tgt Ion:117 Resp: 3030
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 2.009 ug/l
RT: 8.112 min Scan# 1032
Delta R.T. -0.158 min
Lab File: VY008425.D
Acq: 20 Apr 2022 17:52

Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 104.0 8.9 13.3#

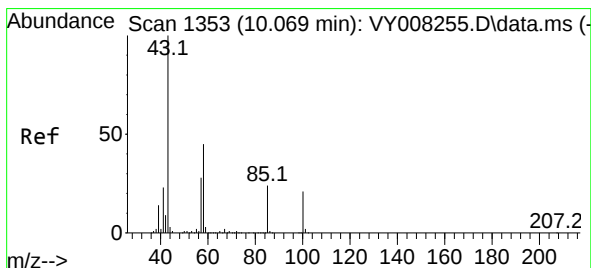
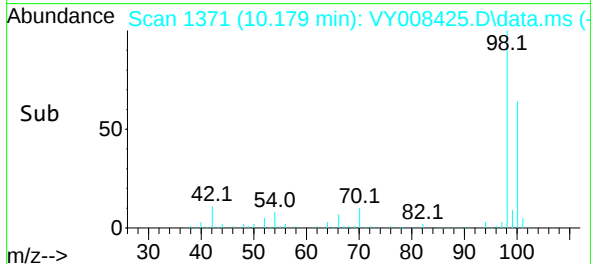
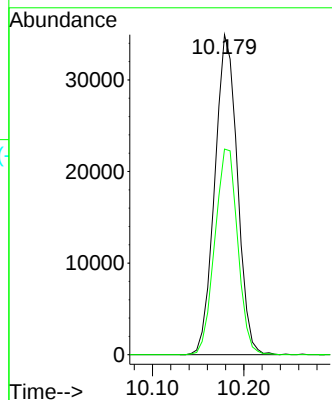
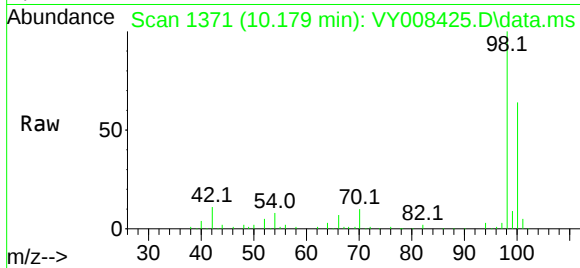




#50
Toluene-d8
Concen: 59.998 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008425.D
Acq: 20 Apr 2022 17:52

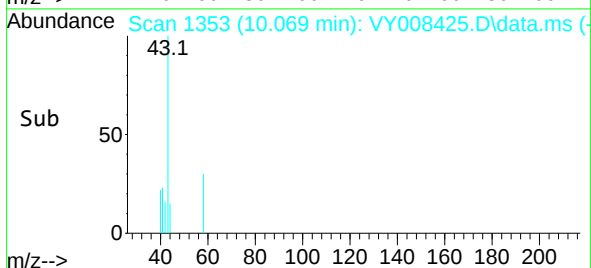
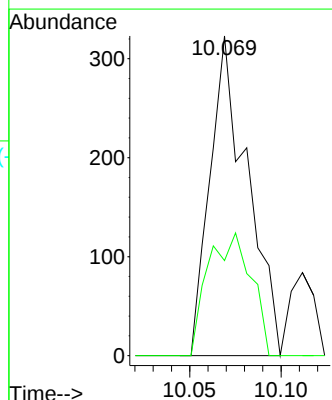
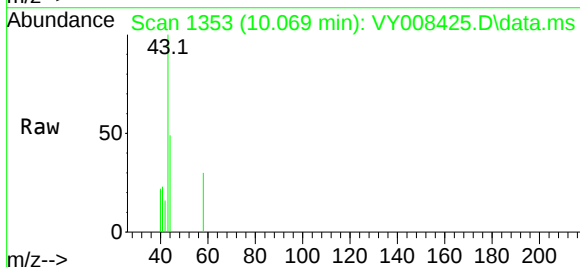
Instrument :
MSVOA_Y
ClientSampleId :
72-11944

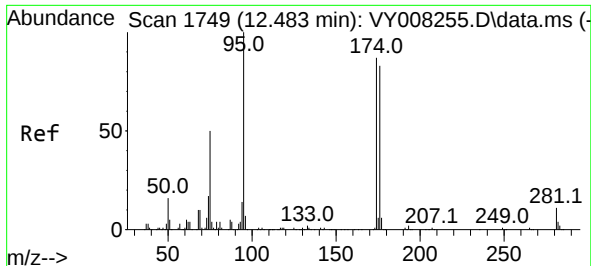
Tgt Ion: 98 Resp: 59977
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.987 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY008425.D
Acq: 20 Apr 2022 17:52

Tgt Ion: 43 Resp: 458
Ion Ratio Lower Upper
43 100
58 44.5 28.1 42.1#

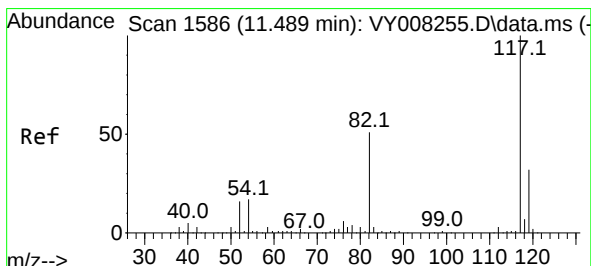
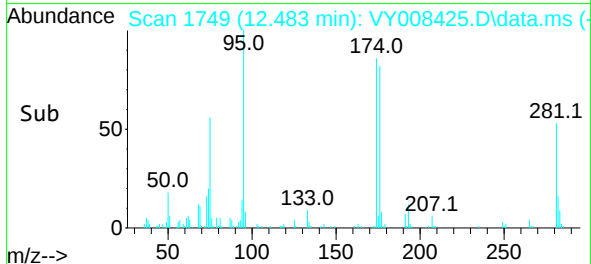
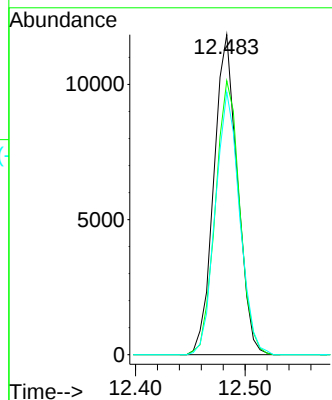
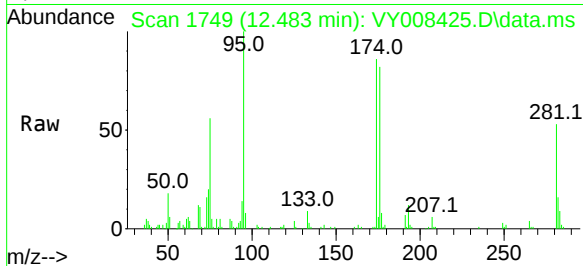




#62
4-Bromofluorobenzene
Concen: 47.137 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008425.D
Acq: 20 Apr 2022 17:52

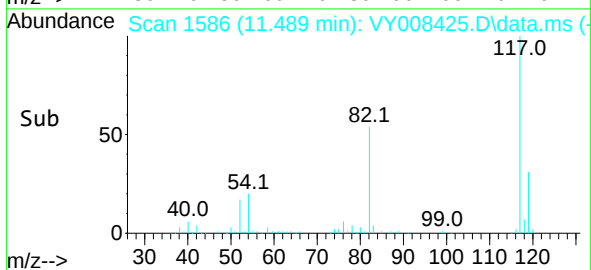
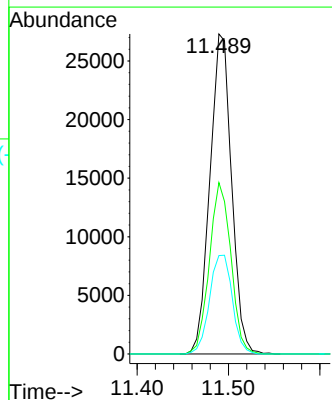
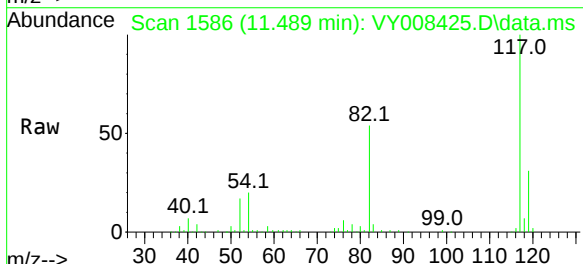
Instrument :
MSVOA_Y
ClientSampleId :
72-11944

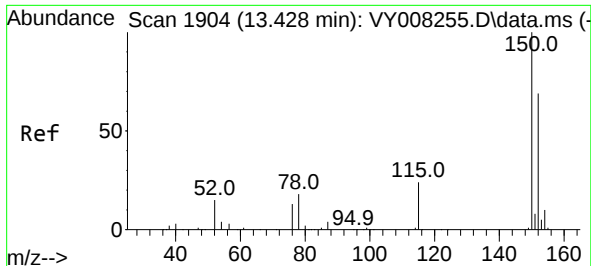
Tgt Ion: 95 Resp: 17723
Ion Ratio Lower Upper
95 100
174 88.0 0.0 177.0
176 84.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008425.D
Acq: 20 Apr 2022 17:52

Tgt Ion: 117 Resp: 44925
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 30.7 25.4 38.0

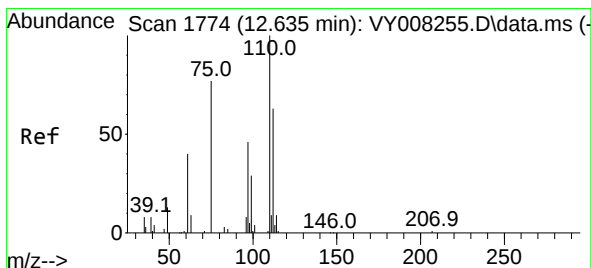
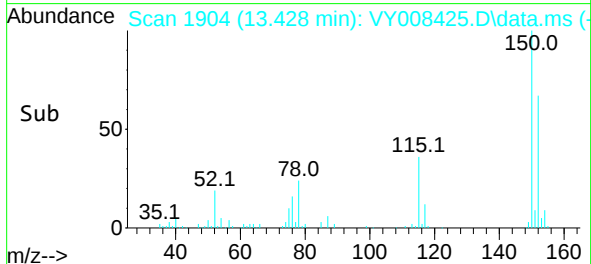
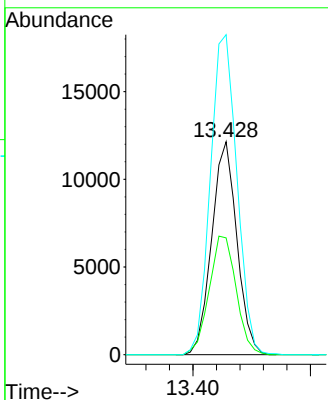
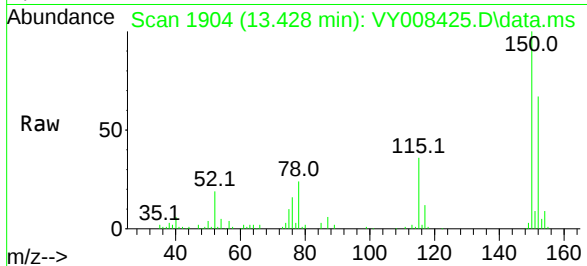




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008425.D
 Acq: 20 Apr 2022 17:52

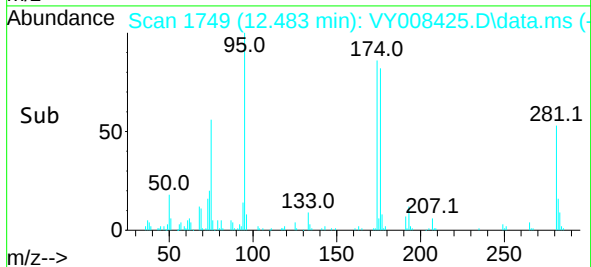
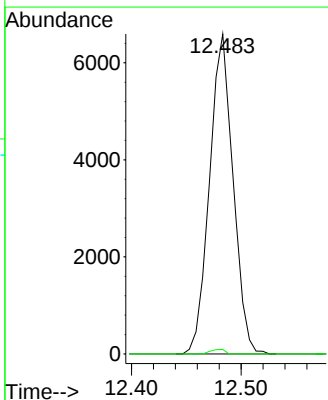
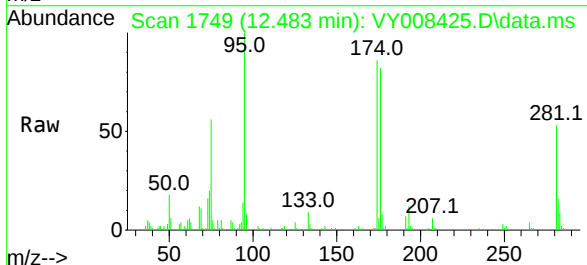
Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11944

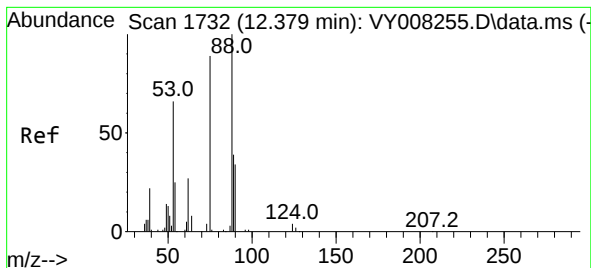
Tgt Ion:152 Resp: 18096
 Ion Ratio Lower Upper
 152 100
 115 59.7 28.2 84.7
 150 158.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 49.146 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008425.D
 Acq: 20 Apr 2022 17:52

Tgt Ion: 75 Resp: 9836
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 109.963 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY008425.D

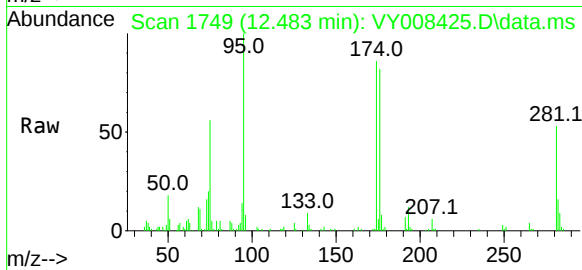
Acq: 20 Apr 2022 17:52

Instrument :

MSVOA_Y

ClientSampleId :

72-11944



Tgt Ion: 75 Resp: 9836

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.8 37.0 55.4#

