

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042122\
 Data File : VY008442.D
 Acq On : 21 Apr 2022 15:36
 Operator : KP/MD
 Sample : VY0421SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 05:25:28 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)

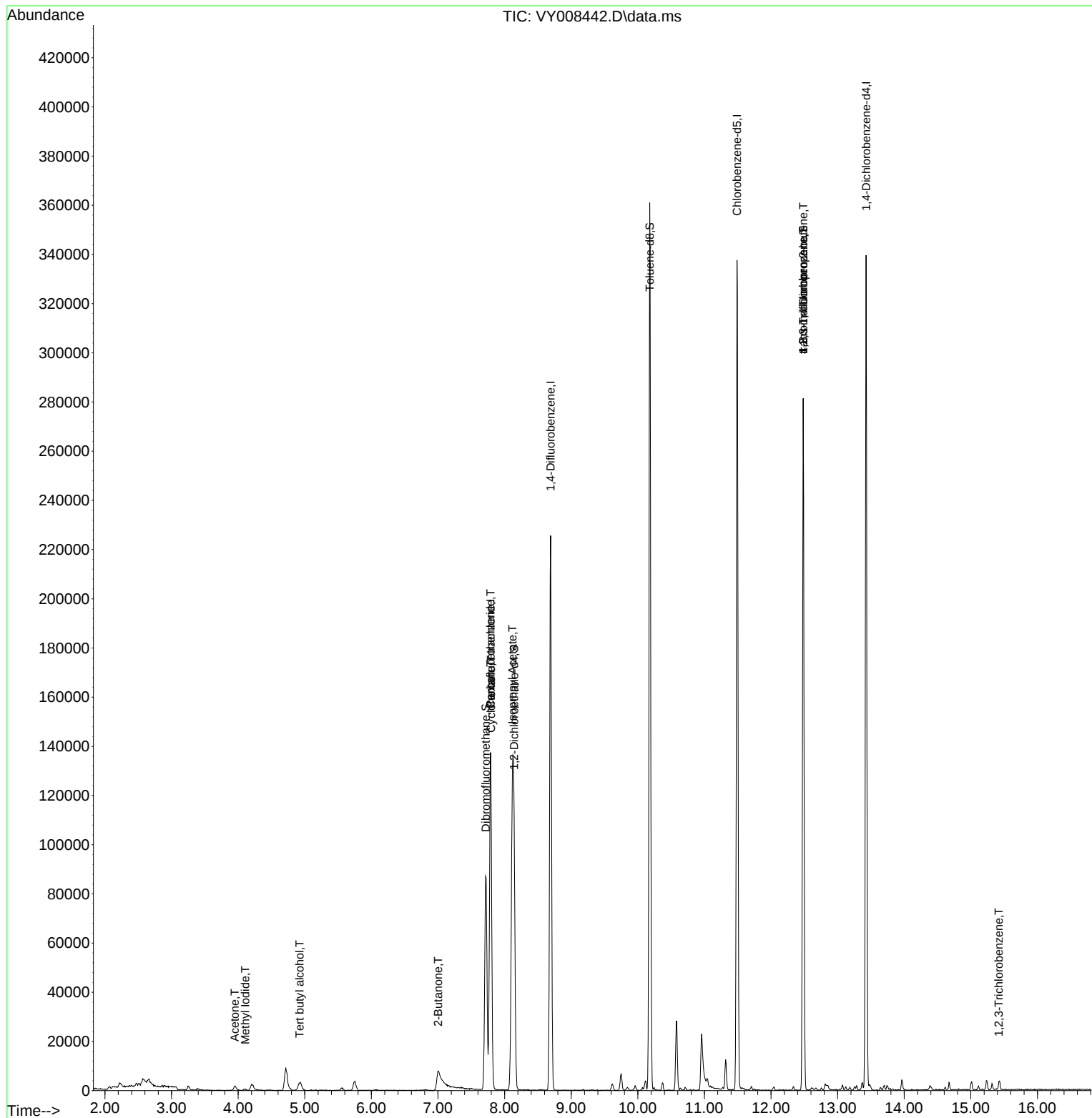
Internal Standards						
1) Pentafluorobenzene	7.789	168	108904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	197072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	188759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	58085	45.330	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.660%
35) Dibromofluoromethane	7.716	113	63077	49.594	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.180%
50) Toluene-d8	10.179	98	237122	46.922	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.840%
62) 4-Bromofluorobenzene	12.483	95	79174	46.230	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.460%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	911	2.228	ug/l #	88
11) Tert butyl alcohol	4.923	59	3430	2.224	ug/l #	77
16) Acetone	3.948	43	3232	10.829	ug/l #	84
20) Methylene Chloride	4.716	84	6769	Below Cal	#	81
25) 2-Butanone	7.002	43	738	1.598	ug/l #	54
31) Cyclohexane	7.795	56	2370	1.125	ug/l #	29
38) Carbon Tetrachloride	7.789	117	10942	5.205	ug/l #	16
43) Isopropyl Acetate	8.118	43	2514	1.222	ug/l #	6
76) 1,2,3-Trichloropropane	12.483	75	42566	39.543	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42566	91.734	ug/l #	7
96) 1,2,3-Trichlorobenzene	15.422	180	1432	1.073	ug/l	96

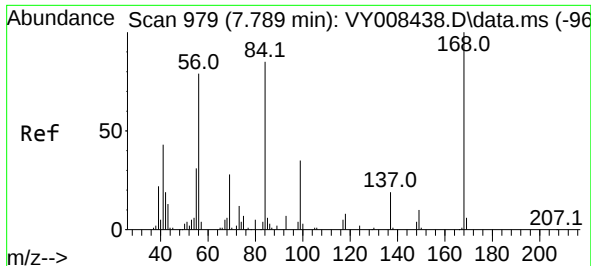
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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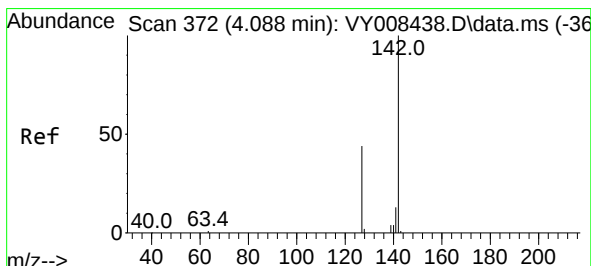
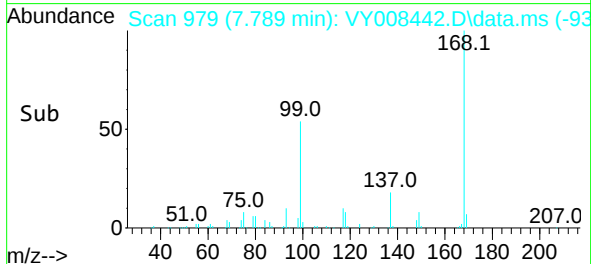
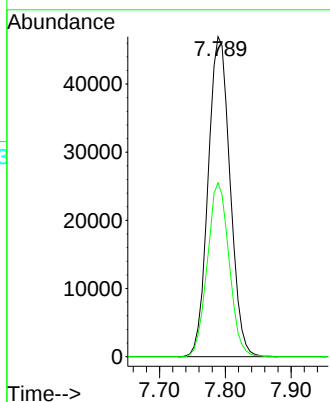
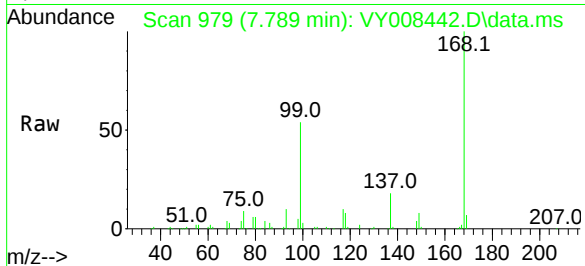




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008442.D
Acq: 21 Apr 2022 15:36

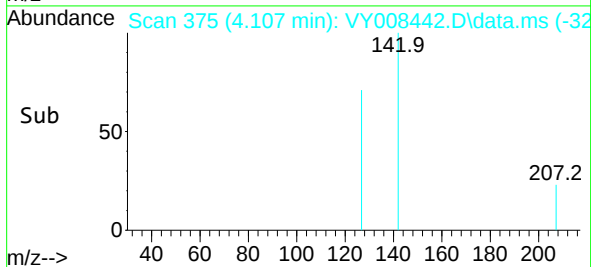
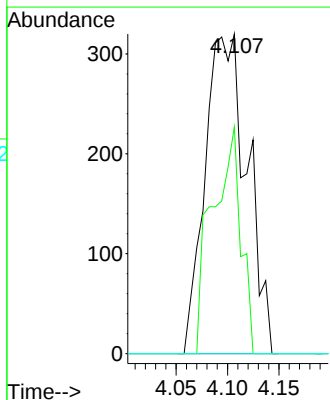
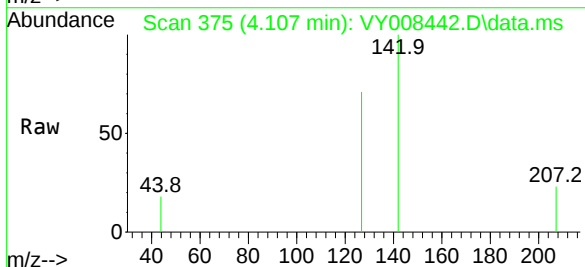
Instrument :
MSVOA_Y
ClientSampleId :

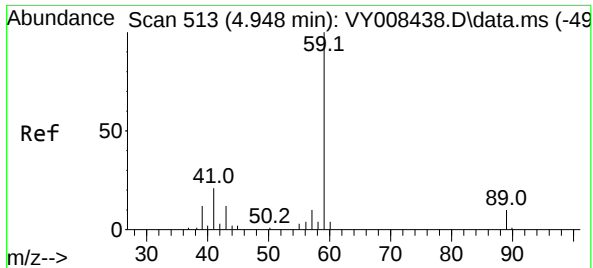
Tgt Ion:168 Resp: 108904
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3



#10
Methyl Iodide
Concen: 2.228 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY008442.D
Acq: 21 Apr 2022 15:36

Tgt Ion:142 Resp: 911
Ion Ratio Lower Upper
142 100
127 48.1 41.5 62.3
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 2.224 ug/l

RT: 4.923 min Scan# 50

Delta R.T. -0.025 min

Lab File: VY008442.D

Acq: 21 Apr 2022 15:36

Instrument :

MSVOA_Y

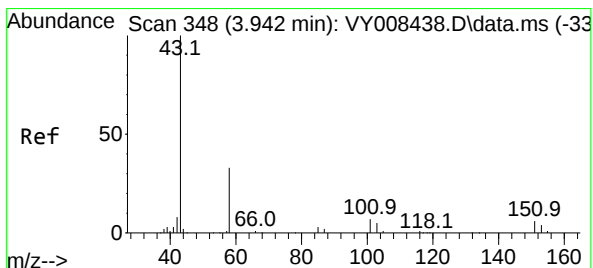
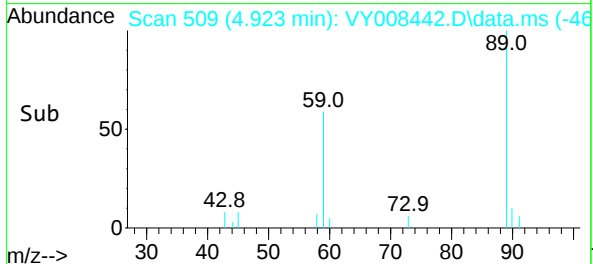
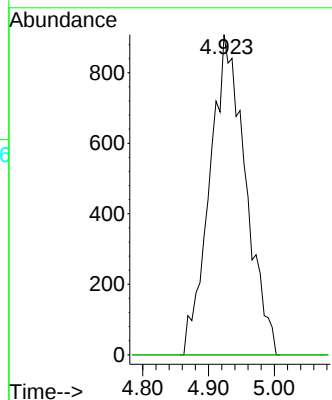
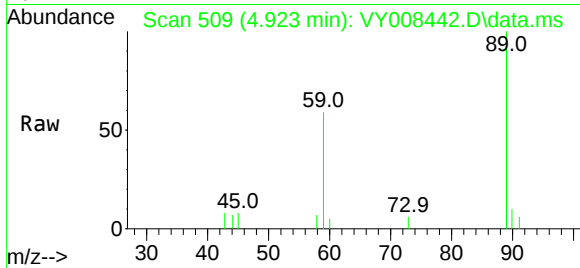
ClientSampleId :

Tgt Ion: 59 Resp: 3430

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 10.829 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY008442.D

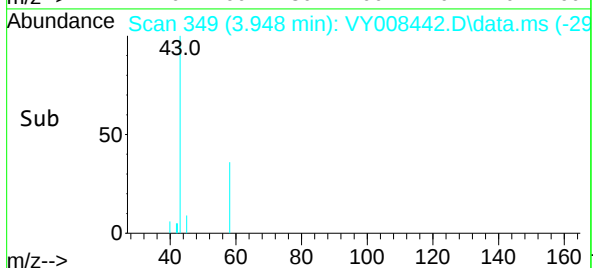
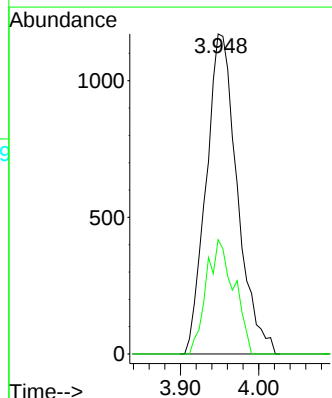
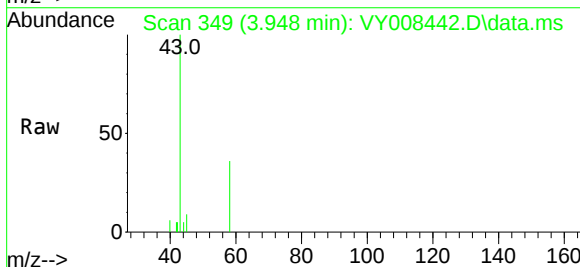
Acq: 21 Apr 2022 15:36

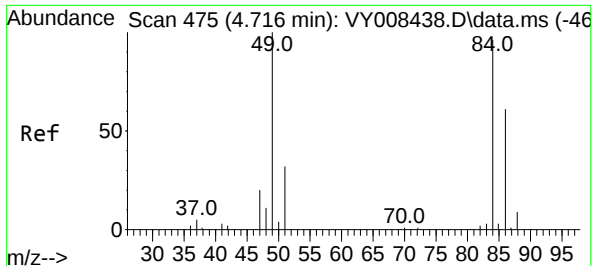
Tgt Ion: 43 Resp: 3232

Ion Ratio Lower Upper

43 100

58 35.7 22.0 33.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

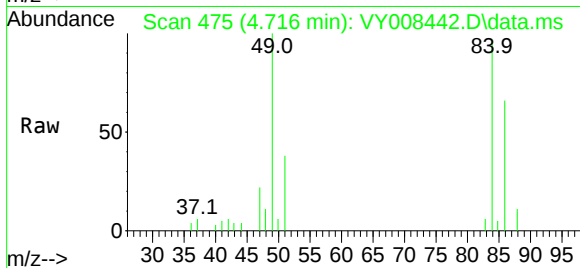
Lab File: VY008442.D

Acq: 21 Apr 2022 15:36

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 6769

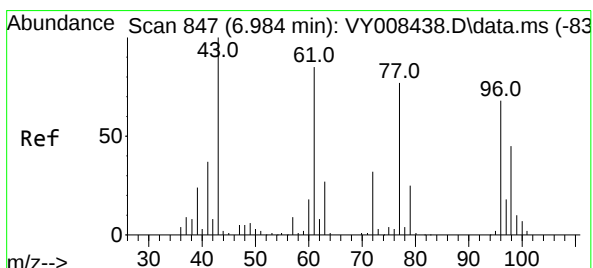
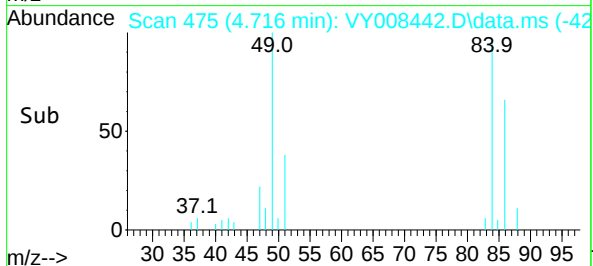
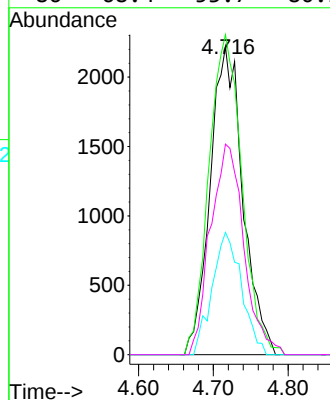
Ion Ratio Lower Upper

84 100

49 103.9 114.4 171.6#

51 39.7 35.3 52.9

86 68.4 53.7 80.5



#25

2-Butanone

Concen: 1.598 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.018 min

Lab File: VY008442.D

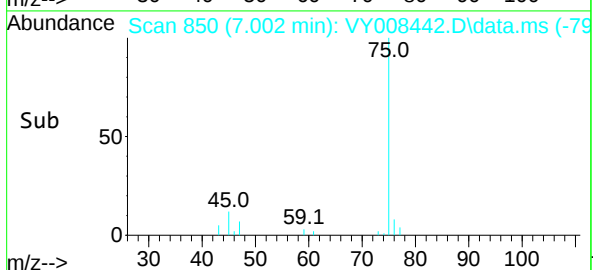
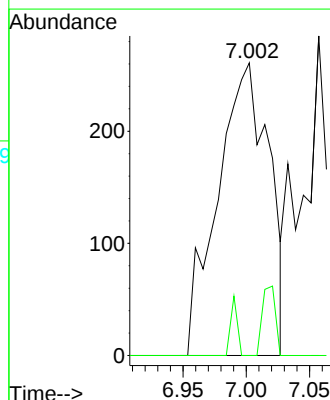
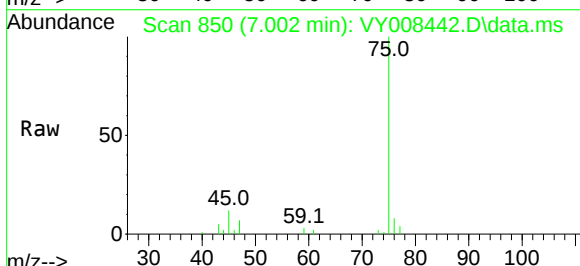
Acq: 21 Apr 2022 15:36

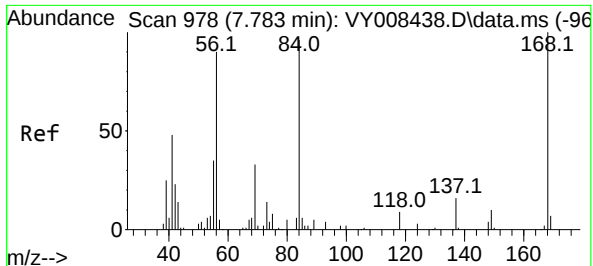
Tgt Ion: 43 Resp: 738

Ion Ratio Lower Upper

43 100

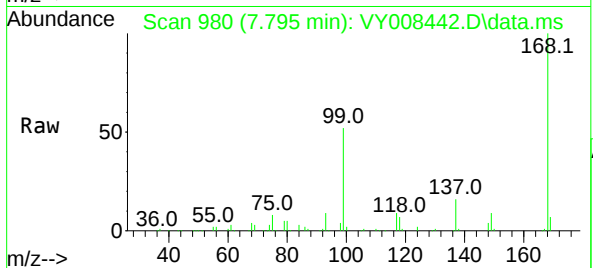
72 0.0 17.7 26.5#



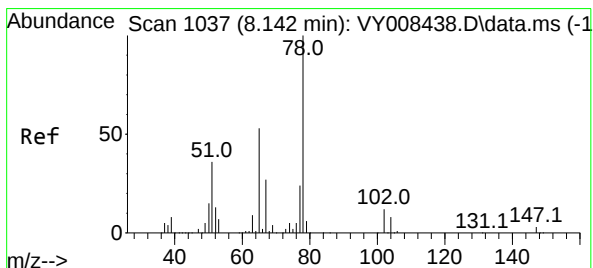
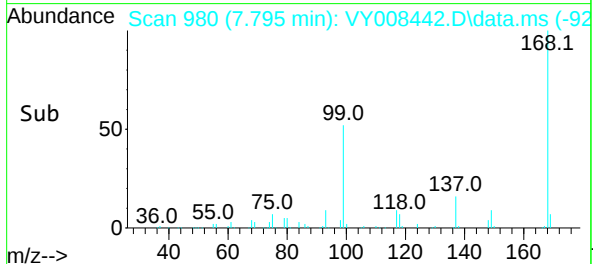
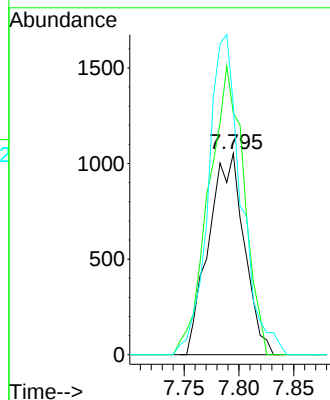


#31
Cyclohexane
Concen: 1.125 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY008442.D
Acq: 21 Apr 2022 15:36

Instrument :
MSVOA_Y
ClientSampleId :

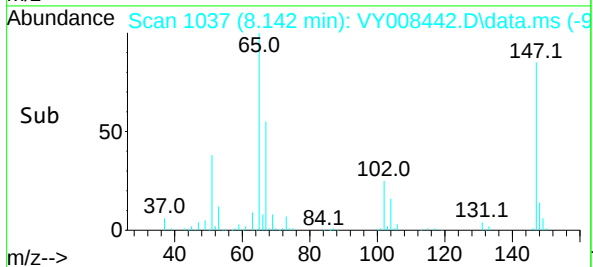
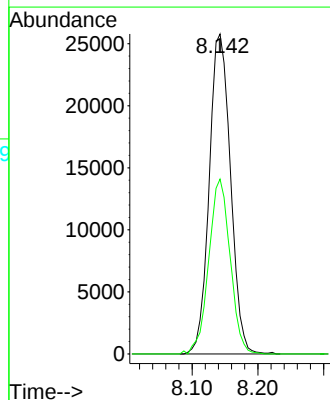
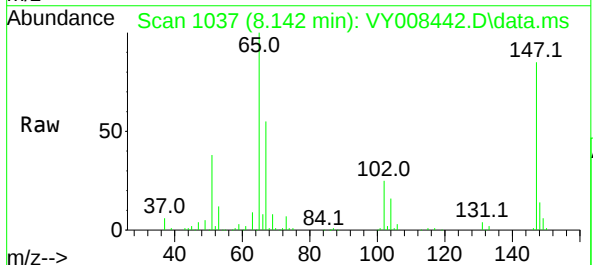


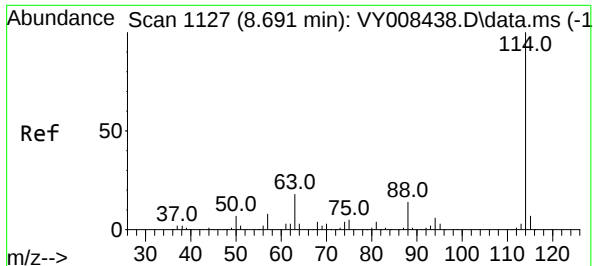
Tgt Ion: 56 Resp: 2370
Ion Ratio Lower Upper
56 100
69 120.2 26.7 40.1#
84 119.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 45.330 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008442.D
Acq: 21 Apr 2022 15:36

Tgt Ion: 65 Resp: 58085
Ion Ratio Lower Upper
65 100
67 54.9 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: VY008442.D

Acq: 21 Apr 2022 15:36

Instrument :

MSVOA_Y

ClientSampleId :

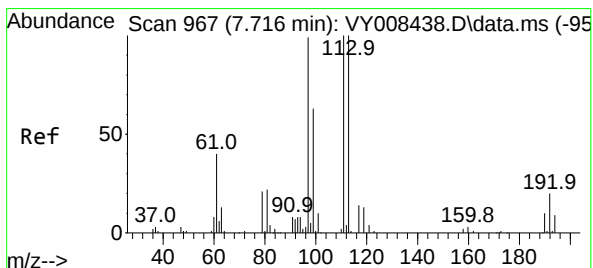
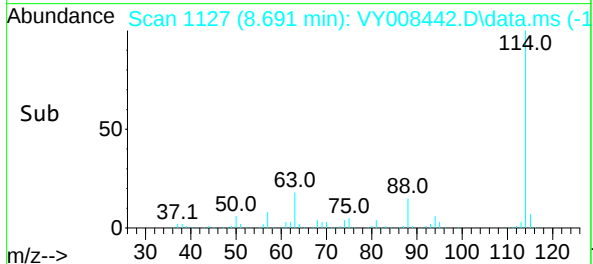
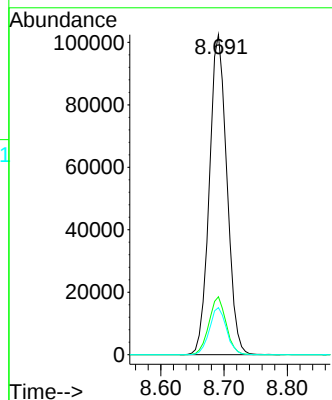
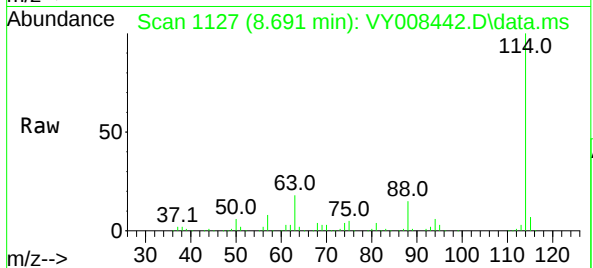
Tgt Ion:114 Resp: 197072

Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.594 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008442.D

Acq: 21 Apr 2022 15:36

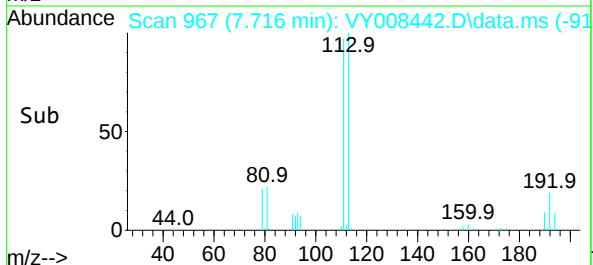
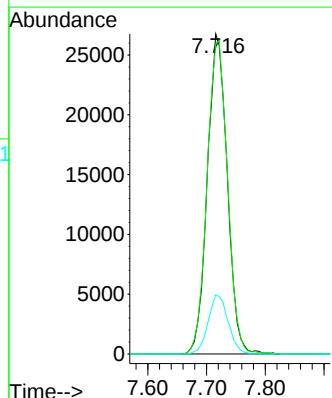
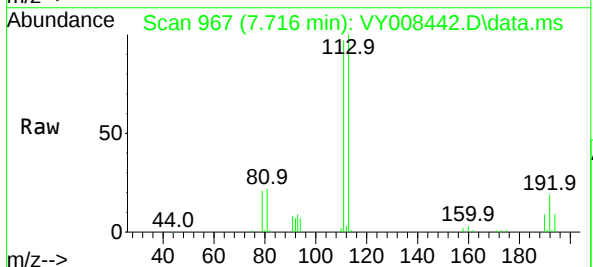
Tgt Ion:113 Resp: 63077

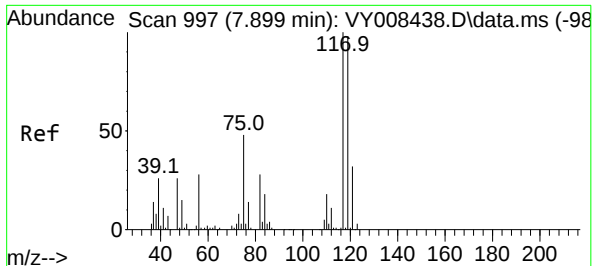
Ion Ratio Lower Upper

113 100

111 100.8 82.6 124.0

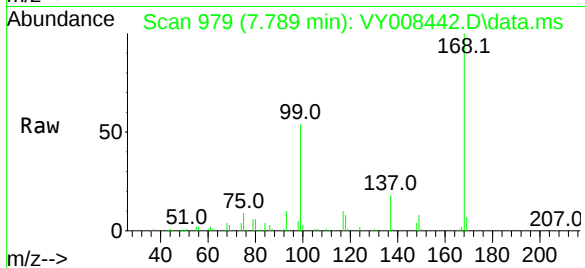
192 18.5 17.6 26.4



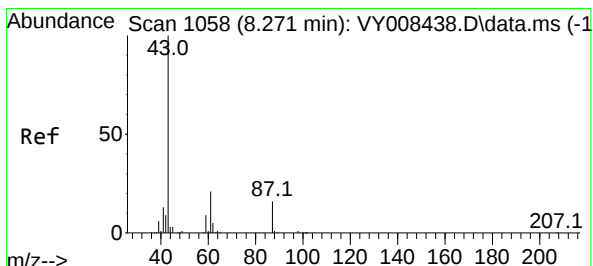
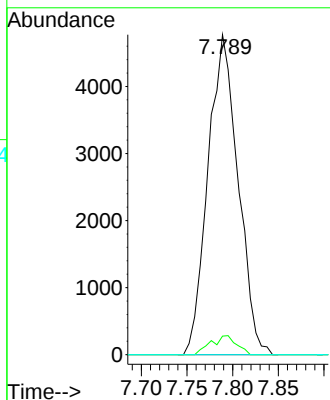
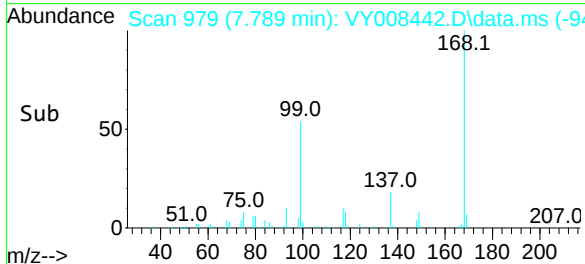


#38
Carbon Tetrachloride
Concen: 5.205 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008442.D
Acq: 21 Apr 2022 15:36

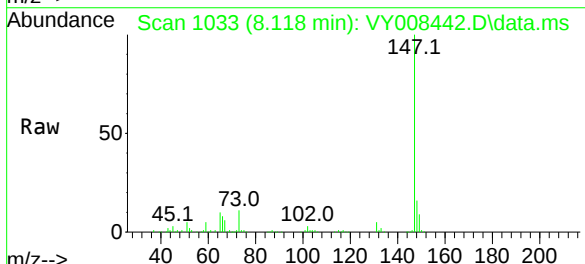
Instrument :
MSVOA_Y
ClientSampleId :



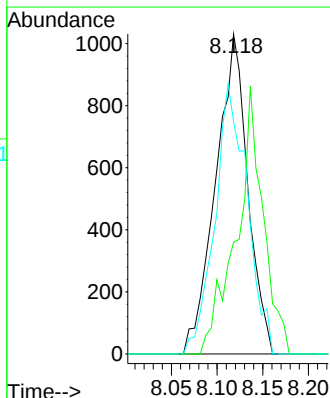
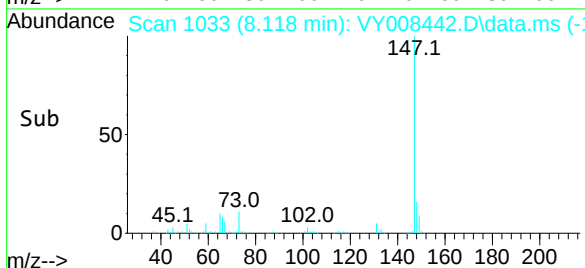
Tgt Ion:117 Resp: 10942
Ion Ratio Lower Upper
117 100
119 5.8 77.9 116.9#
121 0.0 24.8 37.2#

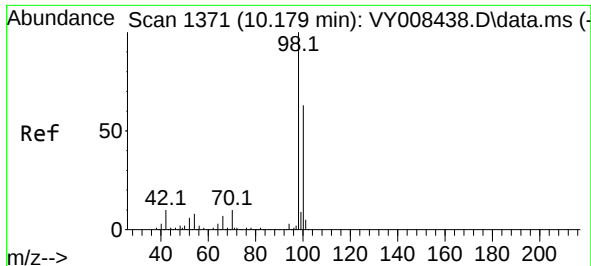


#43
Isopropyl Acetate
Concen: 1.222 ug/l
RT: 8.118 min Scan# 1033
Delta R.T. -0.153 min
Lab File: VY008442.D
Acq: 21 Apr 2022 15:36



Tgt Ion: 43 Resp: 2514
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 85.3 8.9 13.3#

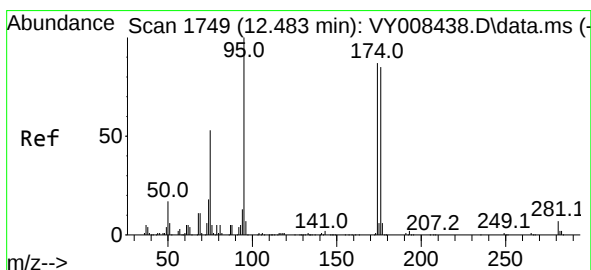
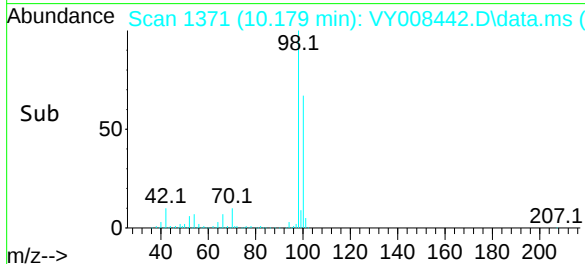
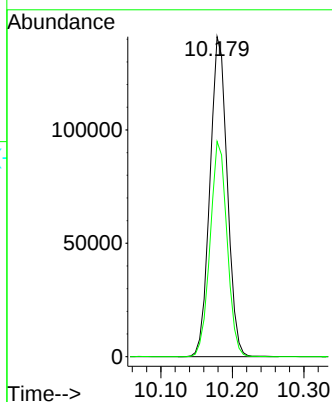
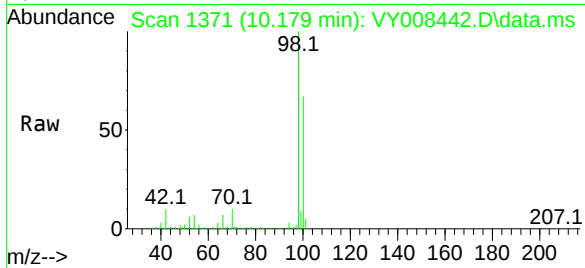




#50
Toluene-d8
Concen: 46.922 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008442.D
Acq: 21 Apr 2022 15:36

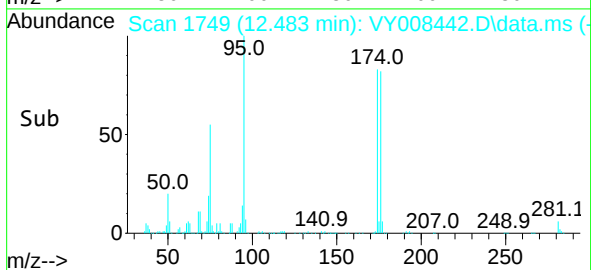
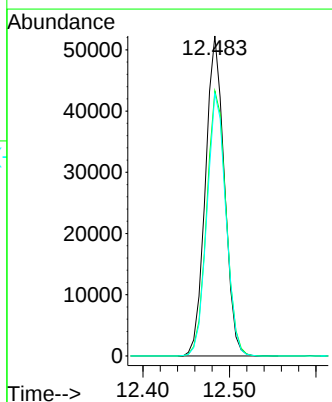
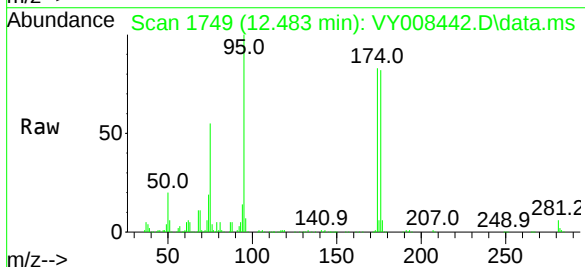
Instrument :
MSVOA_Y
ClientSampleId :

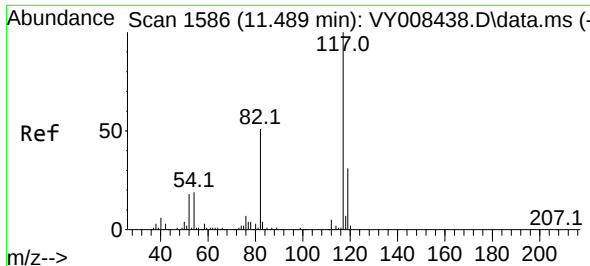
Tgt Ion: 98 Resp: 237122
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.230 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008442.D
Acq: 21 Apr 2022 15:36

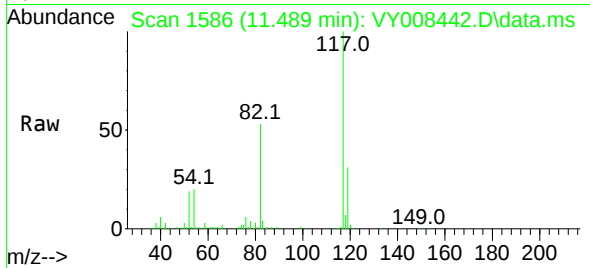
Tgt Ion: 95 Resp: 79174
Ion Ratio Lower Upper
95 100
174 84.7 0.0 177.0
176 82.0 0.0 175.8



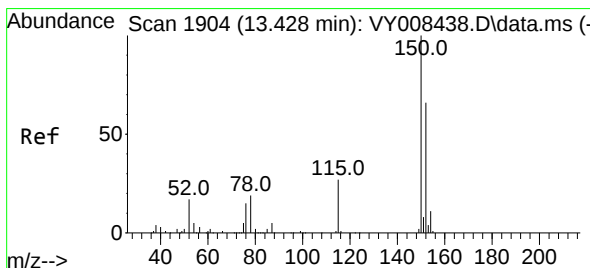
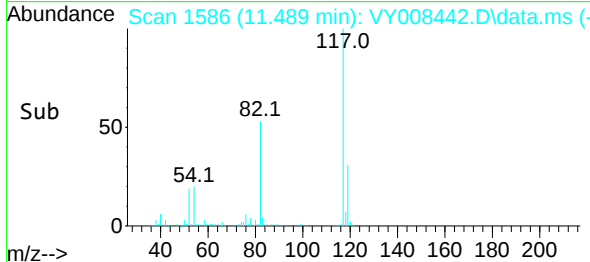
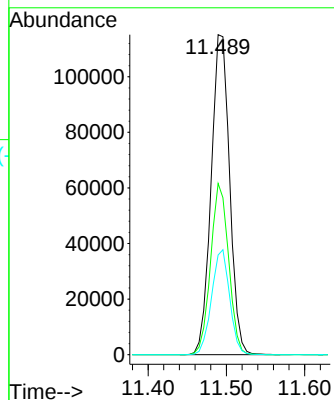


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008442.D
Acq: 21 Apr 2022 15:36

Instrument :
MSVOA_Y
ClientSampleId :

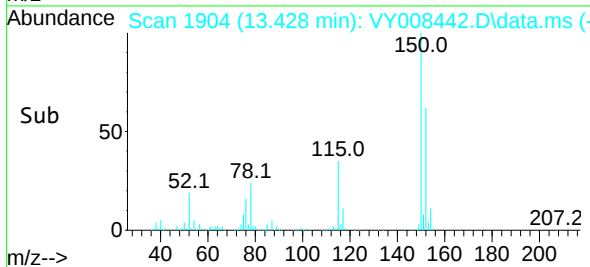
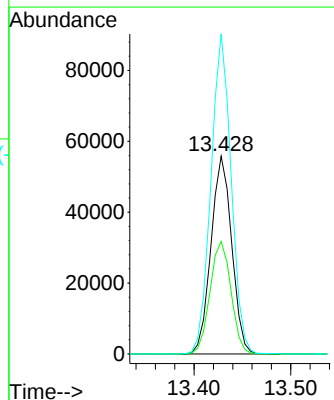
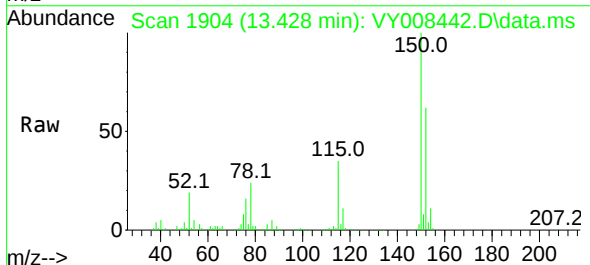


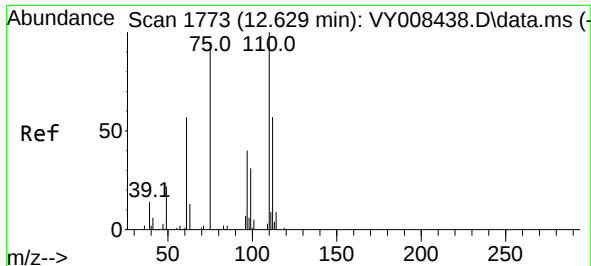
Tgt Ion:117 Resp: 188759
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 31.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008442.D
Acq: 21 Apr 2022 15:36

Tgt Ion:152 Resp: 83178
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.7
150 157.8 0.0 347.6

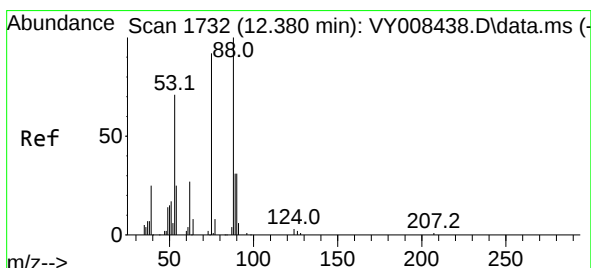
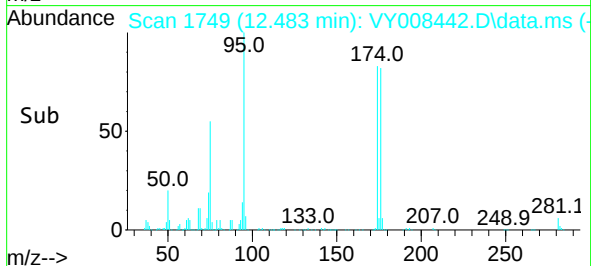
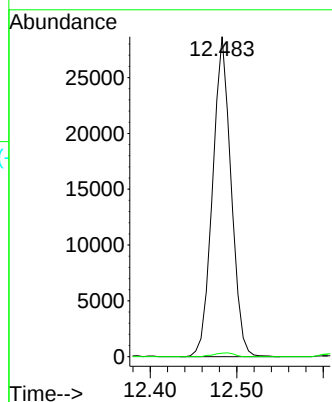
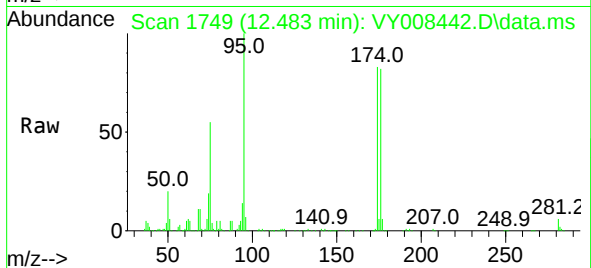




#76
1,2,3-Trichloropropane
Concen: 39.543 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008442.D
Acq: 21 Apr 2022 15:36

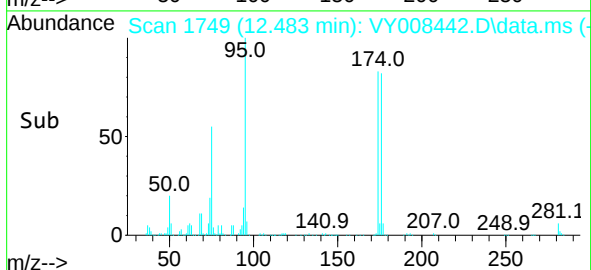
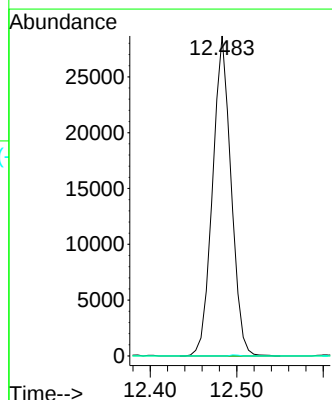
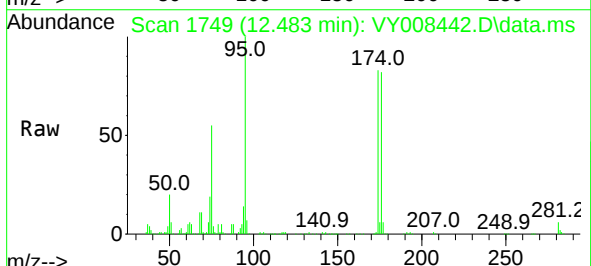
Instrument :
MSVOA_Y
ClientSampleId :

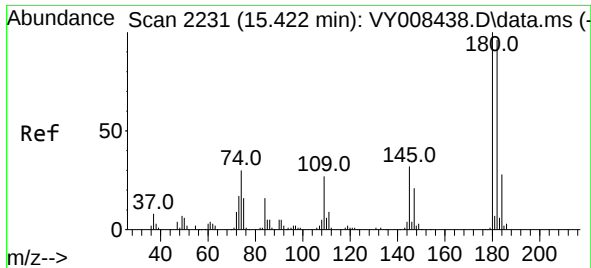
Tgt Ion: 75 Resp: 42566
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.734 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008442.D
Acq: 21 Apr 2022 15:36

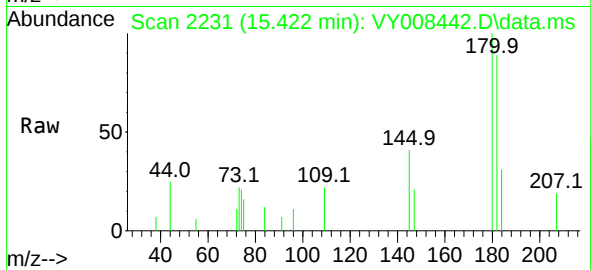
Tgt Ion: 75 Resp: 42566
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.073 ug/l
 RT: 15.422 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY008442.D
 Acq: 21 Apr 2022 15:36

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	1432
Ion	Ratio	Lower	Upper
180	100		
182	90.3	47.3	141.9
145	31.1	15.3	45.9

