

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112222\
 Data File : VY011544.D
 Acq On : 22 Nov 2022 13:41
 Operator : KP/MD
 Sample : N5751-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:07:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

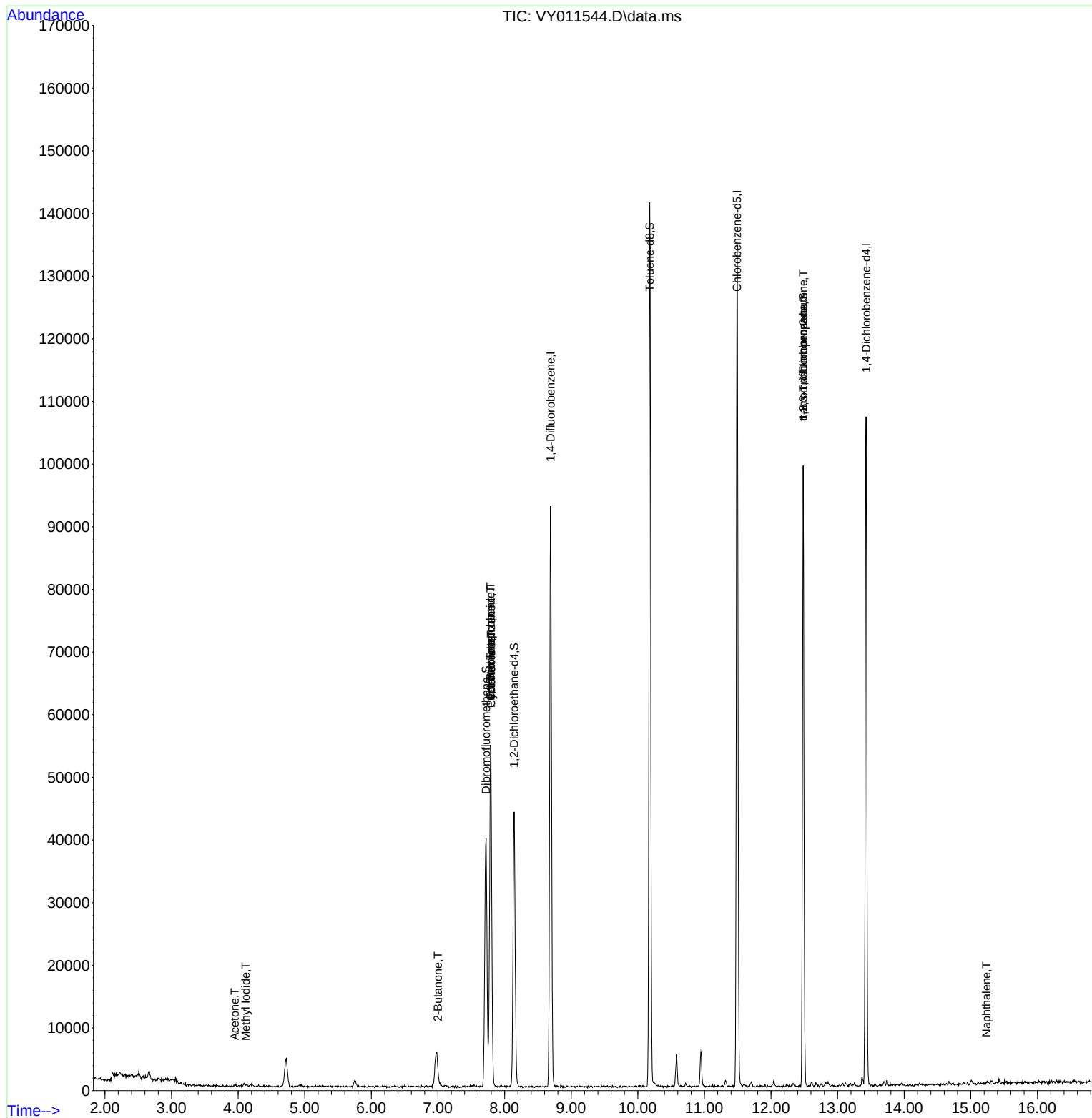
Internal Standards						
1) Pentafluorobenzene	7.795	168	41416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	75416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	74404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	27637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	33675	80.076	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 160.160%	
35) Dibromofluoromethane	7.722	113	28530	61.453	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.900%	
50) Toluene-d8	10.179	98	93339	55.326	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.660%	
62) 4-Bromofluorobenzene	12.483	95	27657	44.339	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	294	Below Cal	#	27
5) Bromomethane	2.668	94	568	Below Cal	#	70
10) Methyl Iodide	4.113	142	832	1.797	ug/l #	35
11) Tert butyl alcohol	4.948	59	137	Below Cal	#	77
16) Acetone	3.948	43	253	1.852	ug/l #	47
18) Methyl Acetate	4.204	43	28	Below Cal	#	56
20) Methylene Chloride	4.722	84	3358	Below Cal		94
25) 2-Butanone	6.996	43	187	1.042	ug/l #	54
31) Cyclohexane	7.795	56	1120	1.607	ug/l #	11
36) 1,1-Dichloropropene	7.789	75	3462	4.771	ug/l #	48
38) Carbon Tetrachloride	7.789	117	4079	5.024	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	14902	50.069	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	14902	109.667	ug/l #	7
95) Naphthalene	15.233	128	535	4.523	ug/l #	69

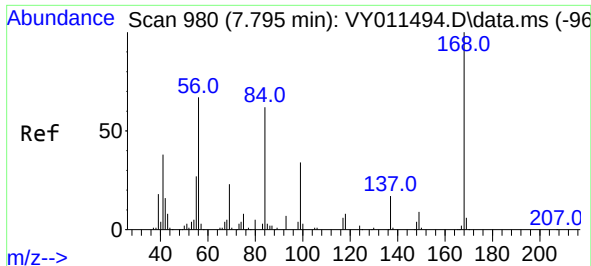
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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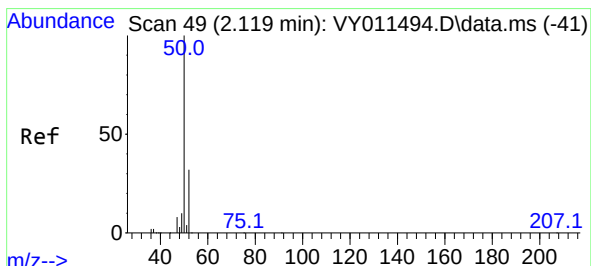
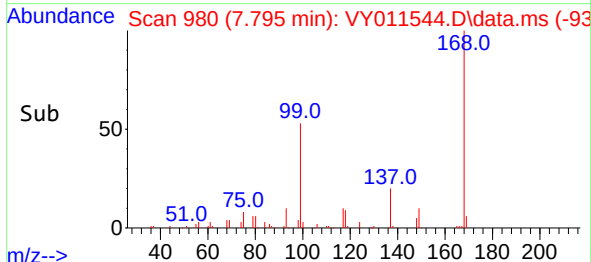
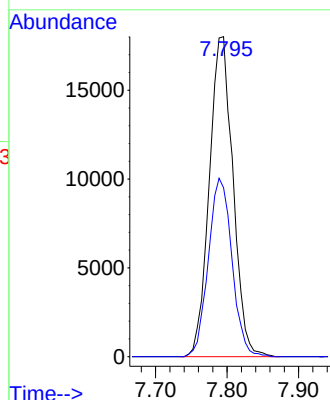
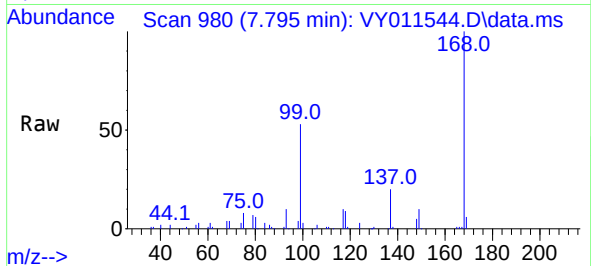




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011544.D
Acq: 22 Nov 2022 13:41

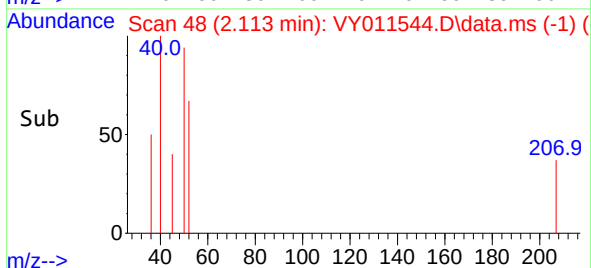
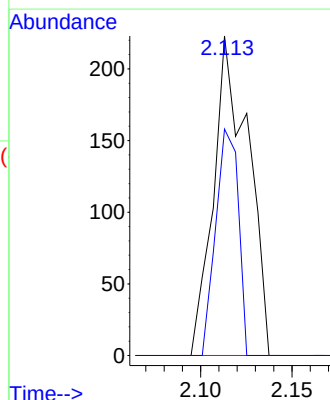
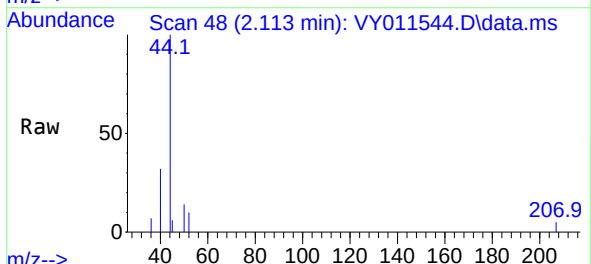
Instrument :
MSVOA_Y
ClientSampleId :

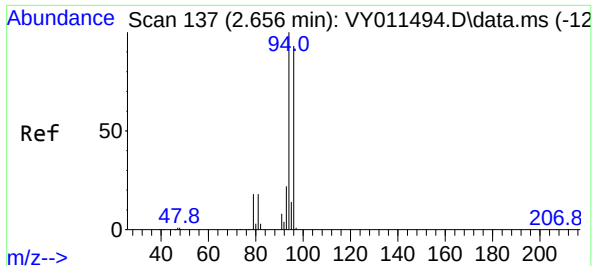
Tgt Ion:168 Resp: 41416
Ion Ratio Lower Upper
168 100
99 52.8 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY011544.D
Acq: 22 Nov 2022 13:41

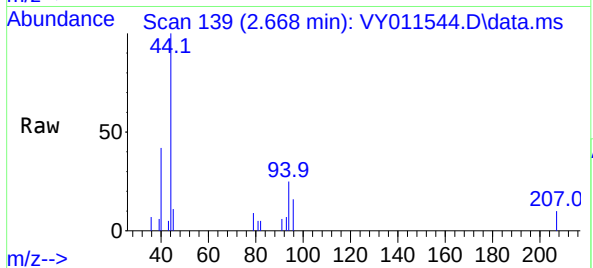
Tgt Ion: 50 Resp: 294
Ion Ratio Lower Upper
50 100
52 70.9 24.6 37.0#



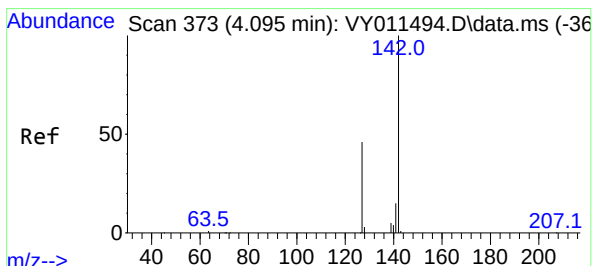
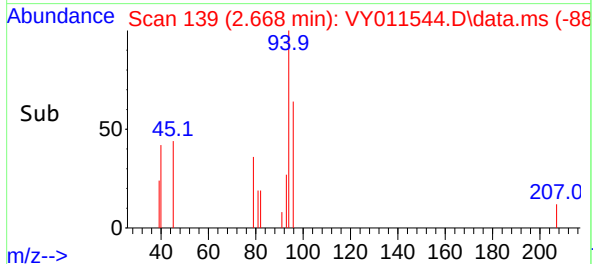
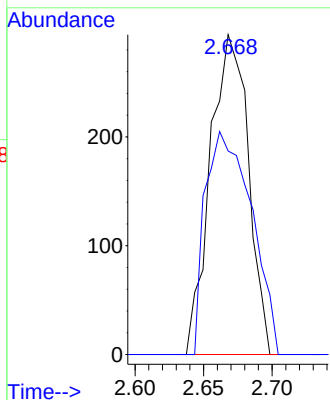


#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011544.D
Acq: 22 Nov 2022 13:41

Instrument :
MSVOA_Y
ClientSampleId :

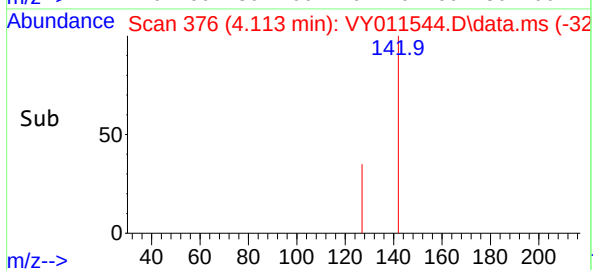
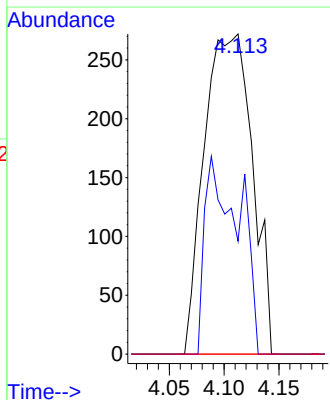
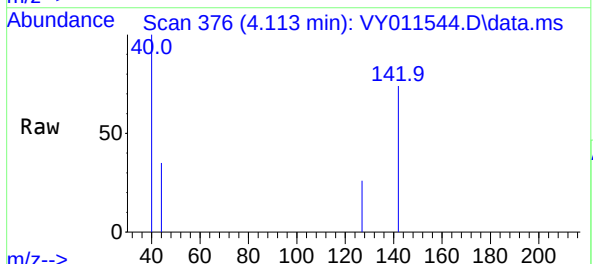


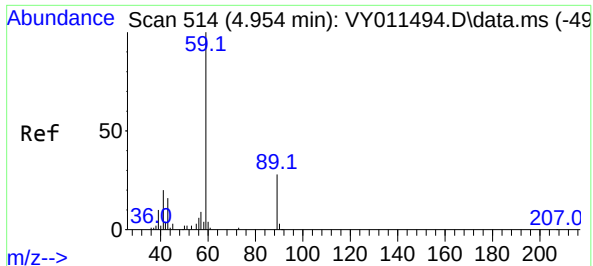
Tgt Ion: 94 Resp: 568
Ion Ratio Lower Upper
94 100
96 63.6 73.5 110.3#



#10
Methyl Iodide
Concen: 1.797 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.018 min
Lab File: VY011544.D
Acq: 22 Nov 2022 13:41

Tgt Ion:142 Resp: 832
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 51

Delta R.T. -0.006 min

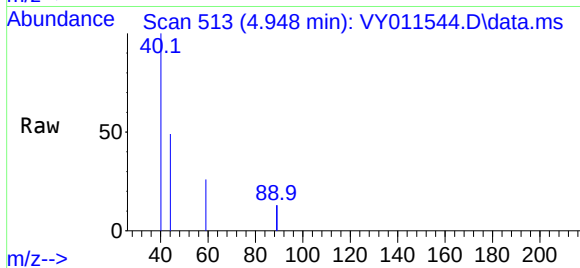
Lab File: VY011544.D

Acq: 22 Nov 2022 13:41

Instrument :

MSVOA_Y

ClientSampleId :

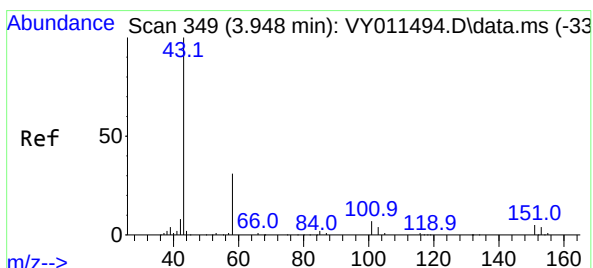
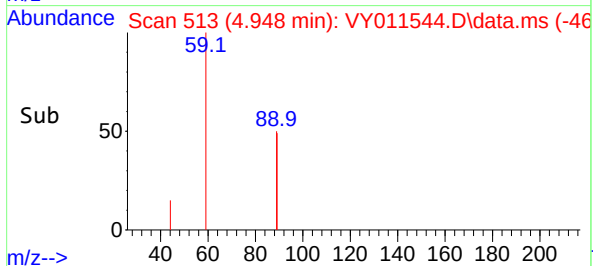
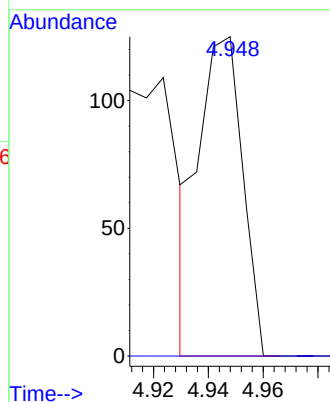


Tgt Ion: 59 Resp: 137

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.852 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY011544.D

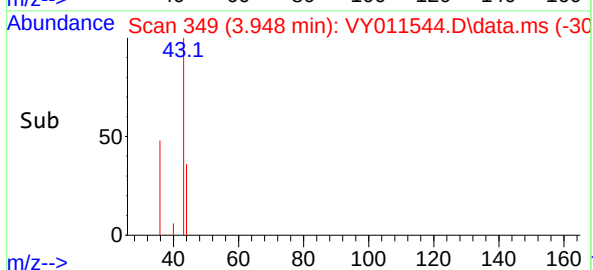
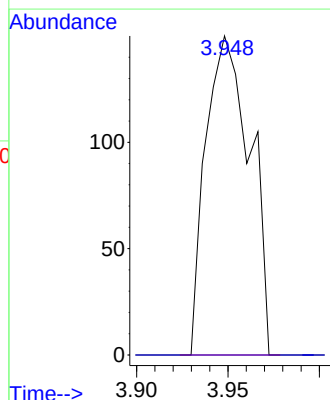
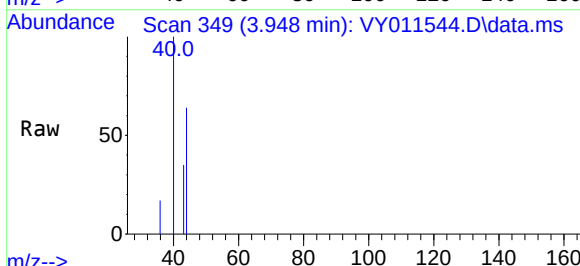
Acq: 22 Nov 2022 13:41

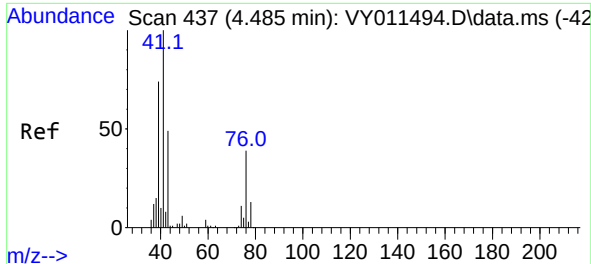
Tgt Ion: 43 Resp: 253

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.204 min Scan# 391

Delta R.T. -0.281 min

Lab File: VY011544.D

Acq: 22 Nov 2022 13:41

Instrument :

MSVOA_Y

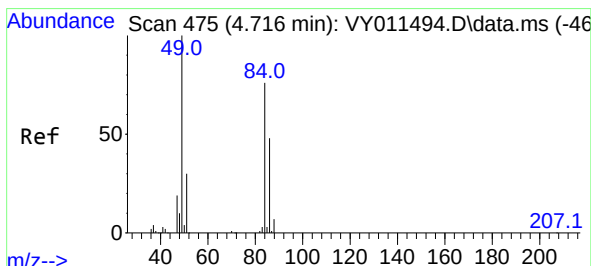
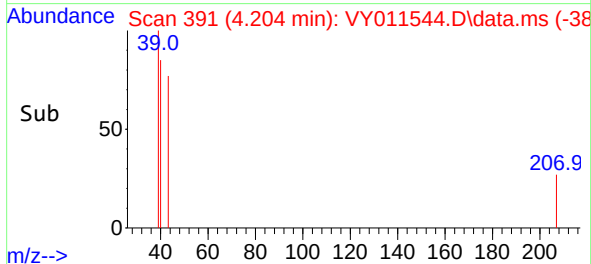
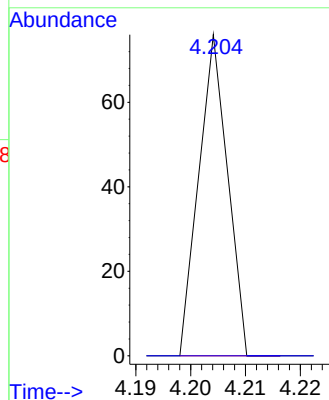
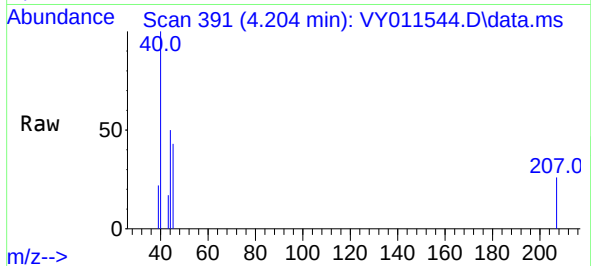
ClientSampleId :

Tgt Ion: 43 Resp: 28

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. 0.006 min

Lab File: VY011544.D

Acq: 22 Nov 2022 13:41

Tgt Ion: 84 Resp: 3358

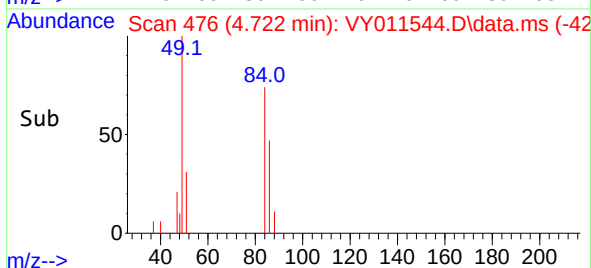
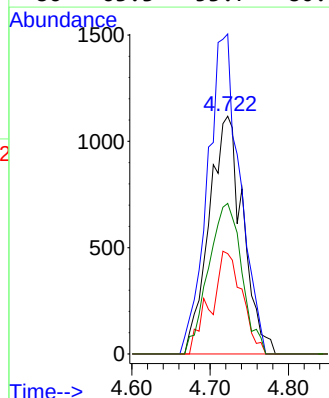
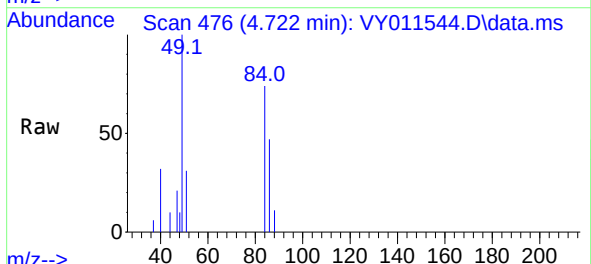
Ion Ratio Lower Upper

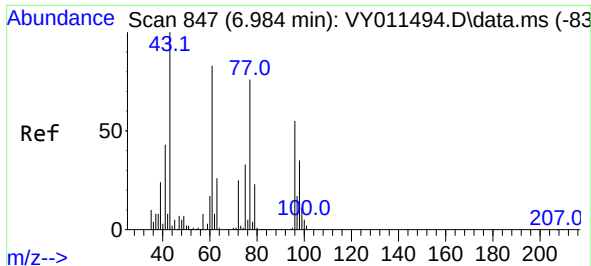
84 100

49 134.6 114.4 171.6

51 42.2 35.3 52.9

86 63.3 53.7 80.5





#25

2-Butanone

Concen: 1.042 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY011544.D

Acq: 22 Nov 2022 13:41

Instrument :

MSVOA_Y

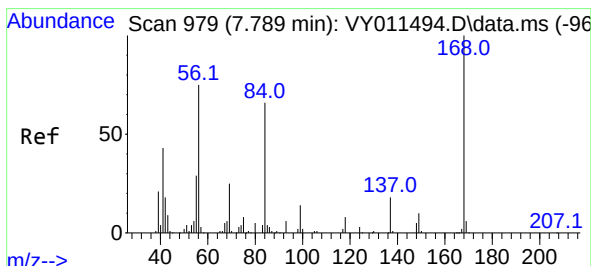
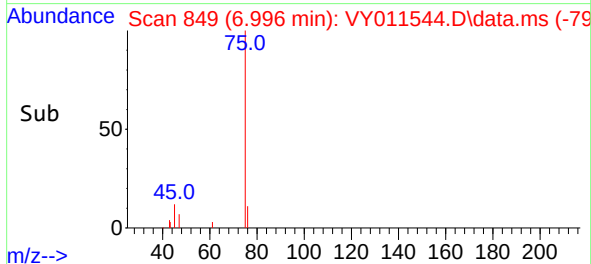
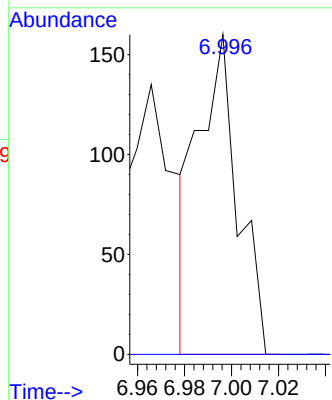
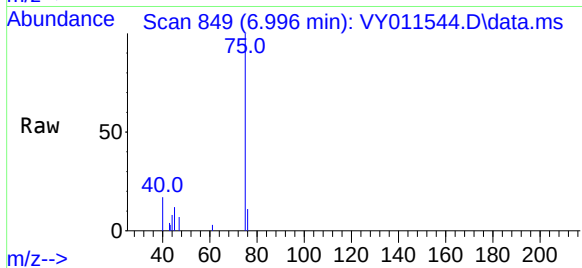
ClientSampleId :

Tgt Ion: 43 Resp: 187

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.607 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY011544.D

Acq: 22 Nov 2022 13:41

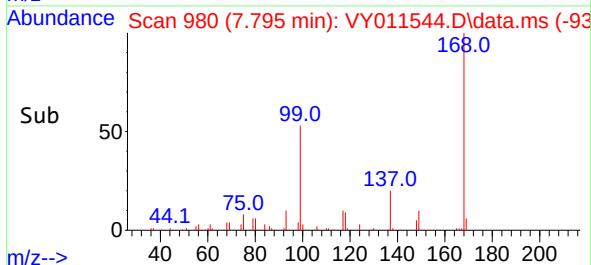
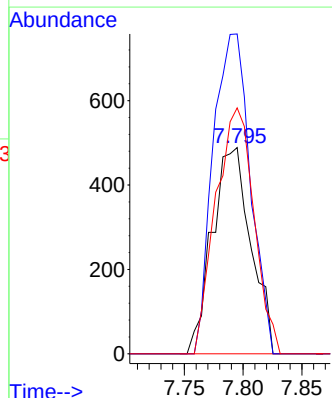
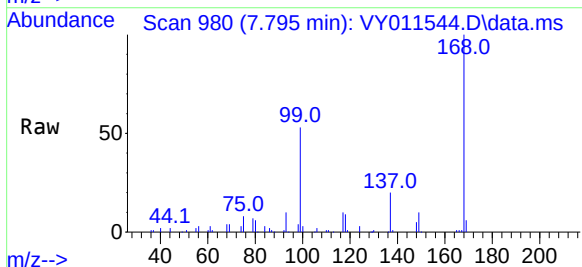
Tgt Ion: 56 Resp: 1120

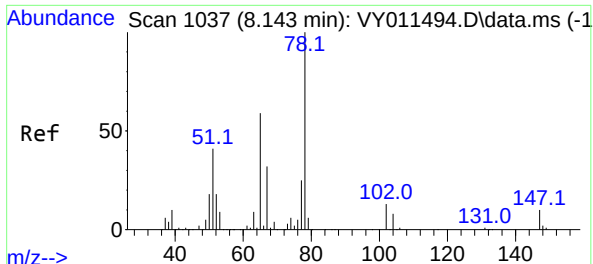
Ion Ratio Lower Upper

56 100

69 155.0 26.7 40.1#

84 119.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 80.076 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011544.D

Acq: 22 Nov 2022 13:41

Instrument :

MSVOA_Y

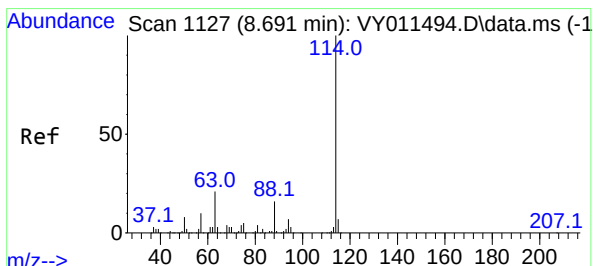
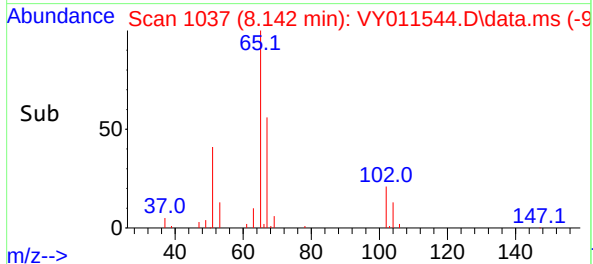
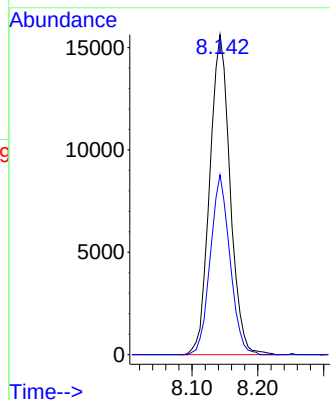
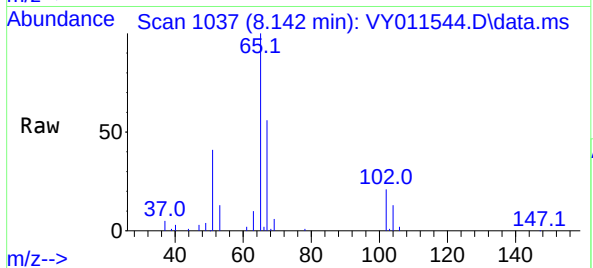
ClientSampleId :

Tgt Ion: 65 Resp: 33675

Ion Ratio Lower Upper

65 100

67 54.1 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: VY011544.D

Acq: 22 Nov 2022 13:41

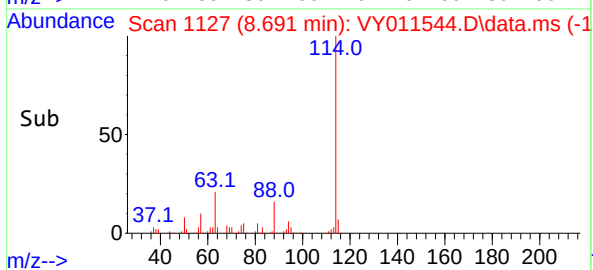
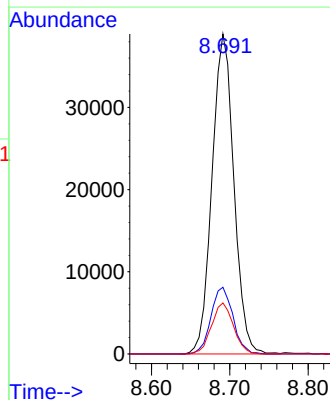
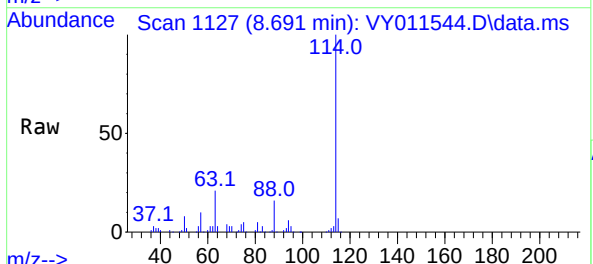
Tgt Ion: 114 Resp: 75416

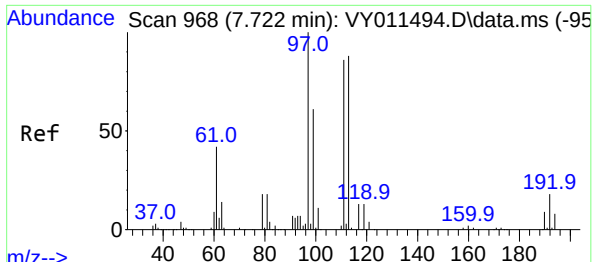
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

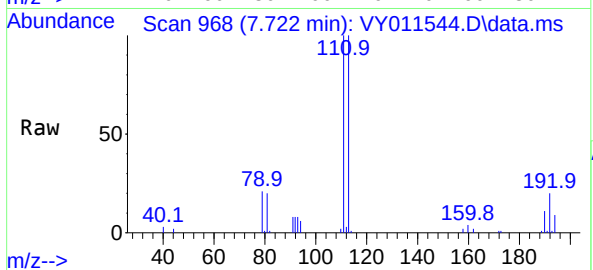
88 15.9 0.0 31.8



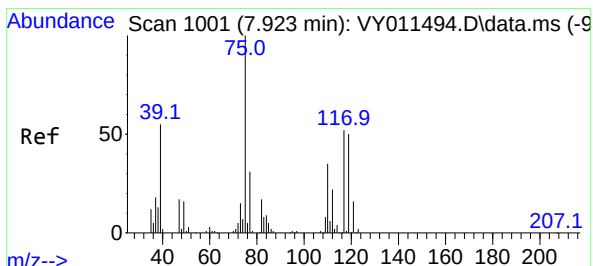
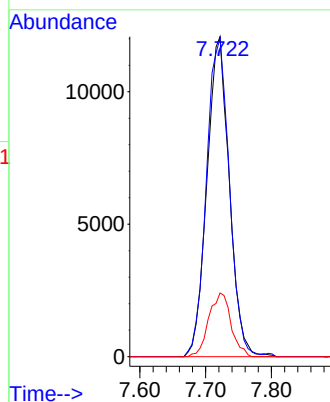
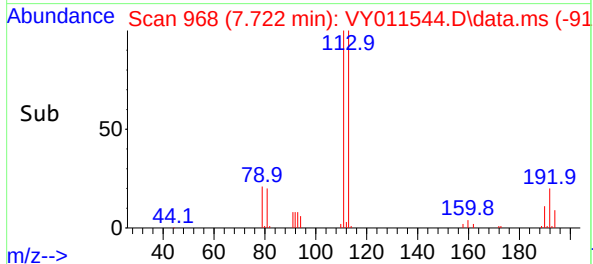


#35
Dibromofluoromethane
Concen: 61.453 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY011544.D
Acq: 22 Nov 2022 13:41

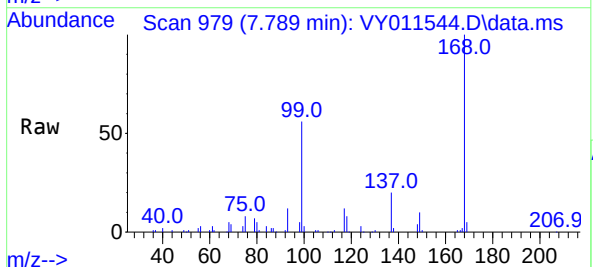
Instrument :
MSVOA_Y
ClientSampleId :



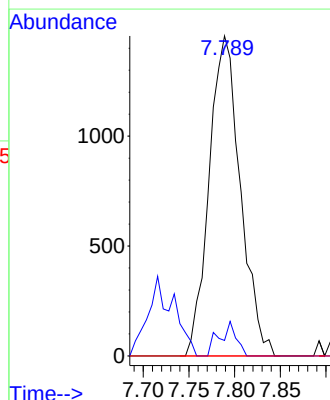
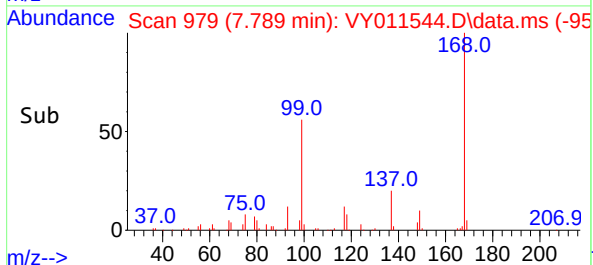
Tgt Ion:113 Resp: 28530
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 19.8 17.6 26.4

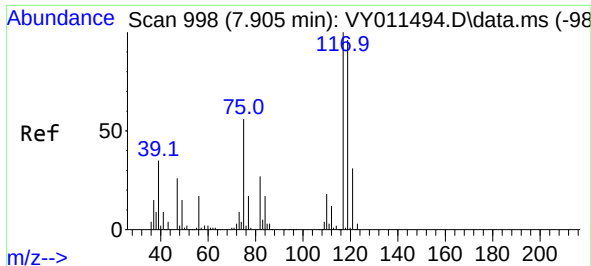


#36
1,1-Dichloropropene
Concen: 4.771 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011544.D
Acq: 22 Nov 2022 13:41



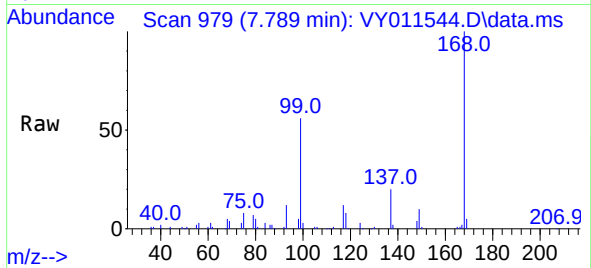
Tgt Ion: 75 Resp: 3462
Ion Ratio Lower Upper
75 100
110 5.8 17.1 51.2#
77 0.0 24.4 36.6#



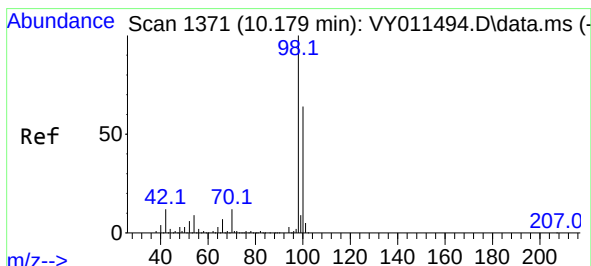
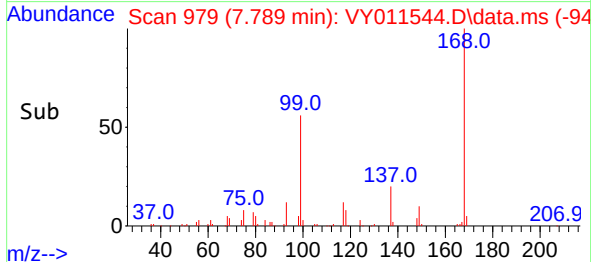
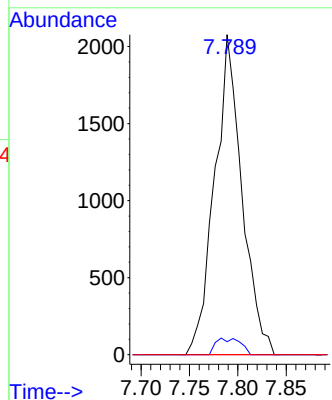


#38
Carbon Tetrachloride
Concen: 5.024 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011544.D
Acq: 22 Nov 2022 13:41

Instrument :
MSVOA_Y
ClientSampleId :

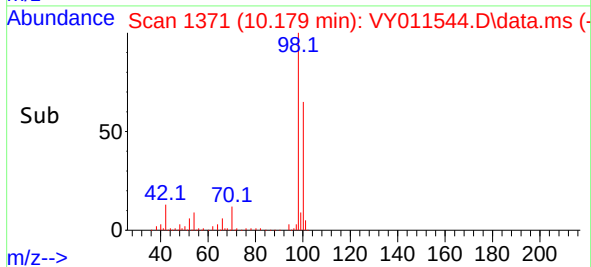
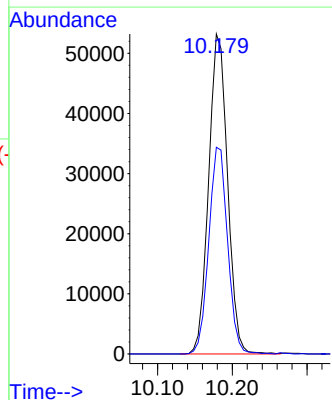
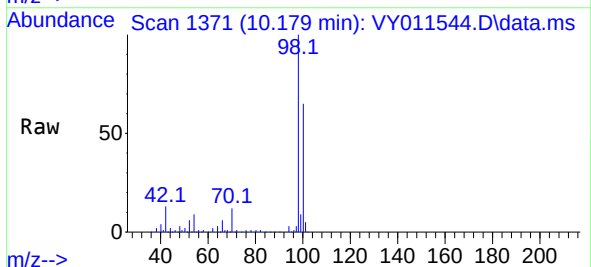


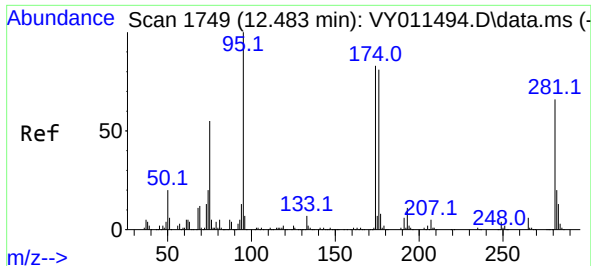
Tgt Ion:117 Resp: 4079
Ion Ratio Lower Upper
117 100
119 4.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.326 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011544.D
Acq: 22 Nov 2022 13:41

Tgt Ion: 98 Resp: 93339
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

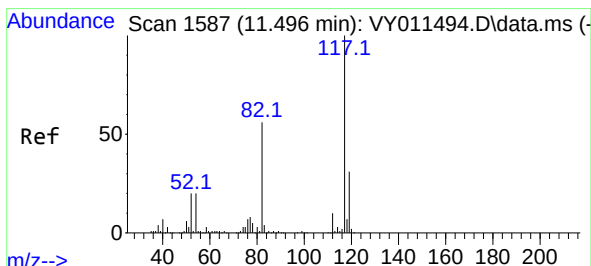
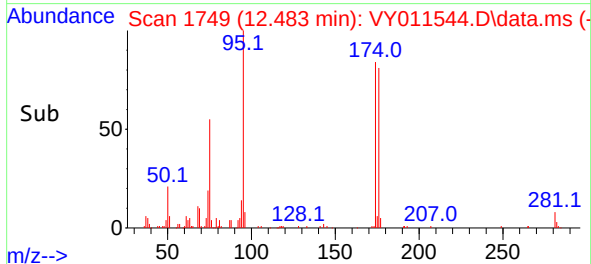
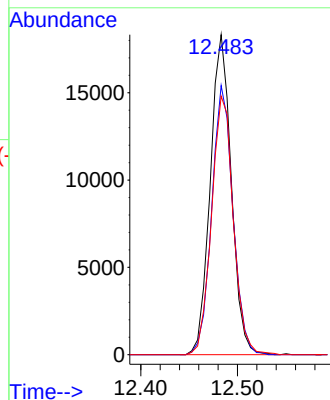
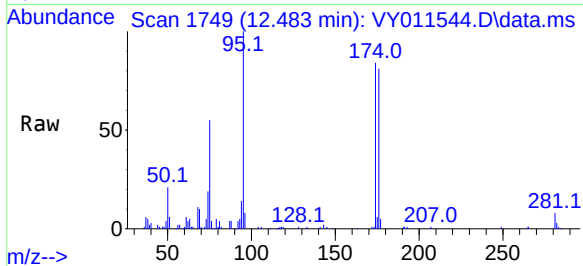




#62
4-Bromofluorobenzene
Concen: 44.339 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011544.D
Acq: 22 Nov 2022 13:41

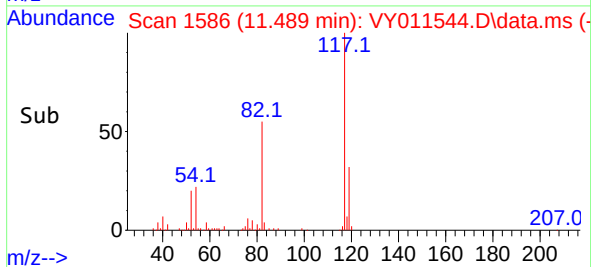
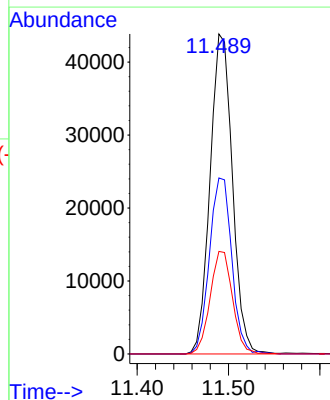
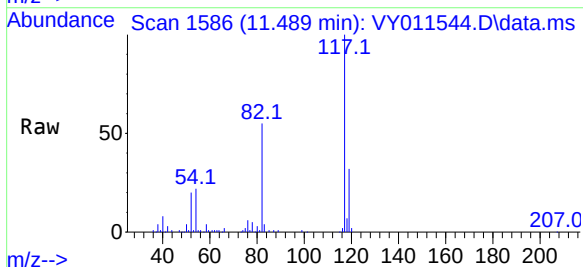
Instrument :
MSVOA_Y
ClientSampleId :

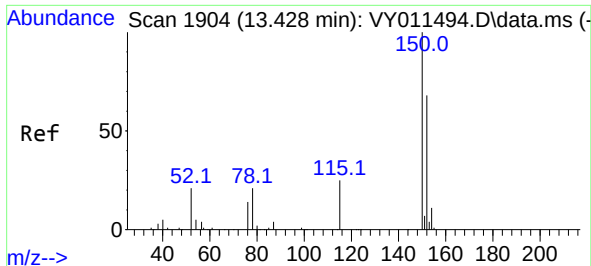
Tgt Ion: 95 Resp: 27657
Ion Ratio Lower Upper
95 100
174 84.5 0.0 177.0
176 83.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011544.D
Acq: 22 Nov 2022 13:41

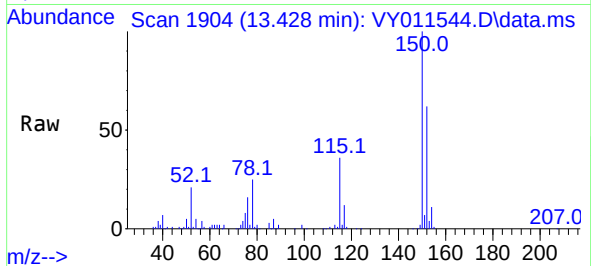
Tgt Ion: 117 Resp: 74404
Ion Ratio Lower Upper
117 100
82 55.0 43.0 64.4
119 32.0 25.4 38.0



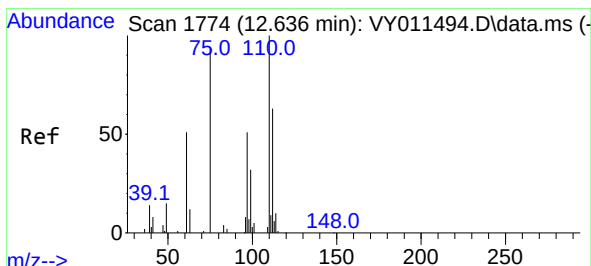
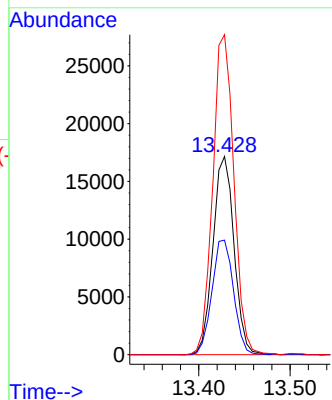
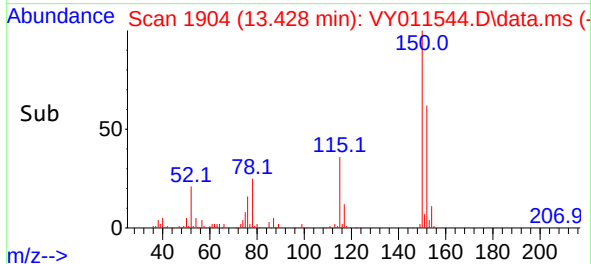


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011544.D
Acq: 22 Nov 2022 13:41

Instrument :
MSVOA_Y
ClientSampleId :

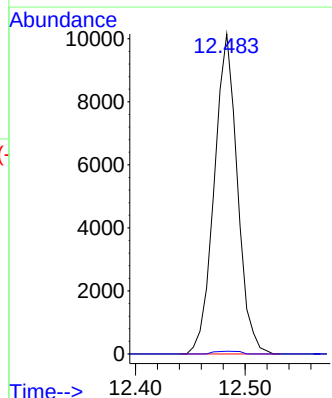
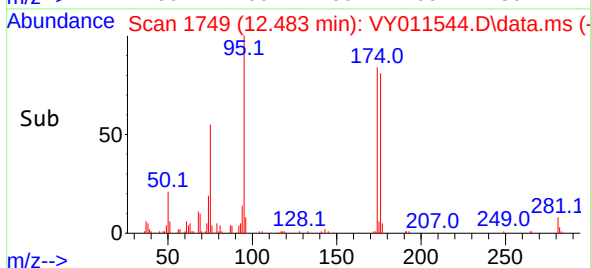
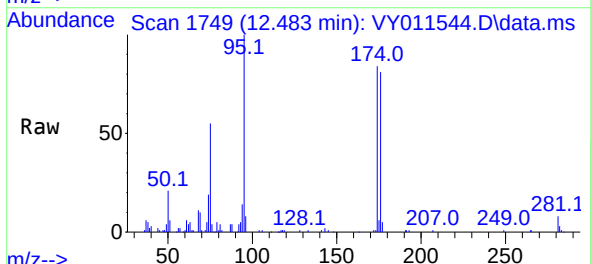


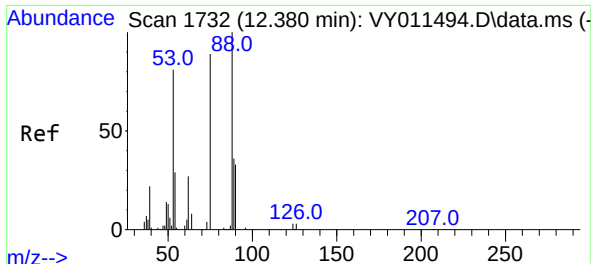
Tgt Ion:152 Resp: 27637
Ion Ratio Lower Upper
152 100
115 59.3 28.2 84.7
150 161.3 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 50.069 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011544.D
Acq: 22 Nov 2022 13:41

Tgt Ion: 75 Resp: 14902
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

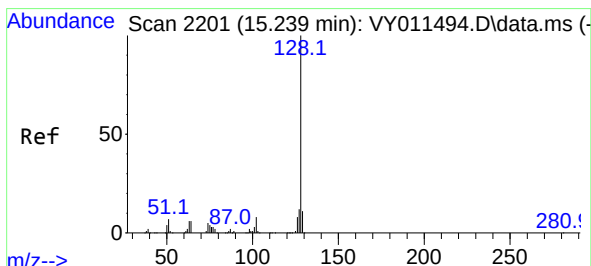
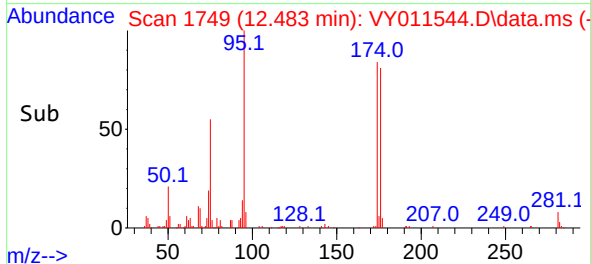
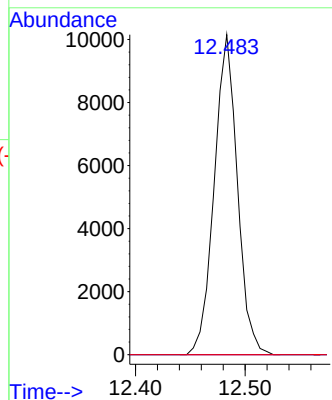
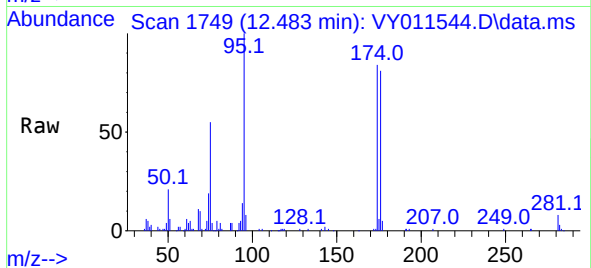




#81
trans-1,4-Dichloro-2-butene
Concen: 109.667 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011544.D
Acq: 22 Nov 2022 13:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 14902
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.523 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011544.D
Acq: 22 Nov 2022 13:41

Tgt Ion:128 Resp: 535
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

