

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112322\
 Data File : VY011582.D
 Acq On : 23 Nov 2022 17:55
 Operator : KP/MD
 Sample : N5765-04
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 24 00:39:14 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)

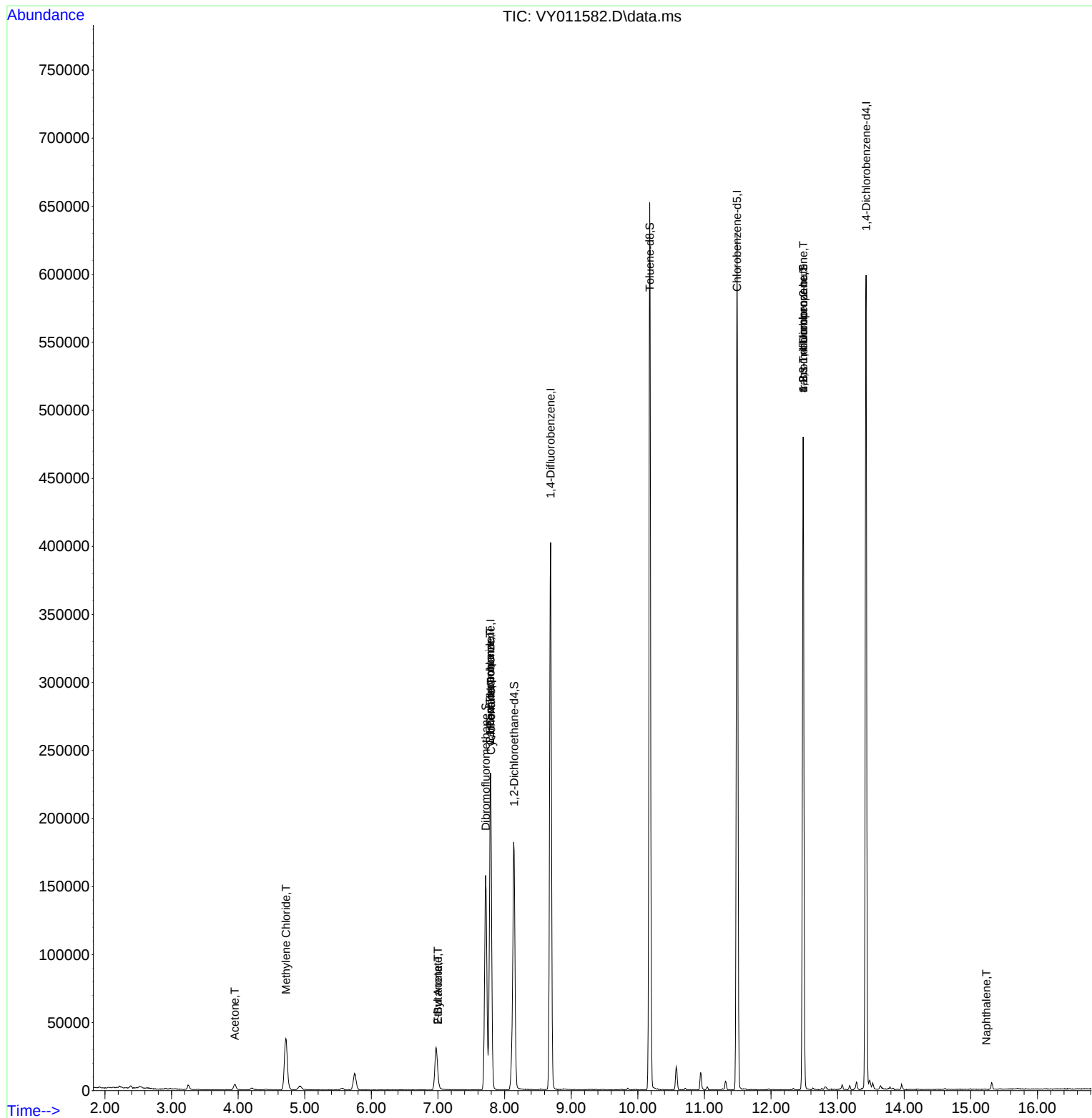
Internal Standards						
1) Pentafluorobenzene	7.789	168	175270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	331413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	326195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	130592	73.379	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.760%	
35) Dibromofluoromethane	7.716	113	110120	53.976	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.960%	
50) Toluene-d8	10.179	98	409864	55.284	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.560%	
62) 4-Bromofluorobenzene	12.483	95	137503	50.164	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.320%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	337	Below Cal		74
3) Chloromethane	2.113	50	170	Below Cal	#	1
5) Bromomethane	2.674	94	114	Below Cal	#	4
11) Tert butyl alcohol	4.936	59	3479	Below Cal	#	77
16) Acetone	3.948	43	7383	12.772	ug/l	92
18) Methyl Acetate	4.478	43	419	Below Cal	#	56
20) Methylene Chloride	4.716	84	28300	2.896	ug/l	89
25) 2-Butanone	6.996	43	3712	4.886	ug/l	# 88
31) Cyclohexane	7.795	56	4186	1.419	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	14755	4.627	ug/l	# 51
37) Ethyl Acetate	6.996	43	3712	2.044	ug/l	# 72
38) Carbon Tetrachloride	7.783	117	17939	5.028	ug/l	# 15
76) 1,2,3-Trichloropropane	12.483	75	74430	46.950	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	74430	102.837	ug/l	# 7
95) Naphthalene	15.233	128	44	4.028	ug/l	# 69

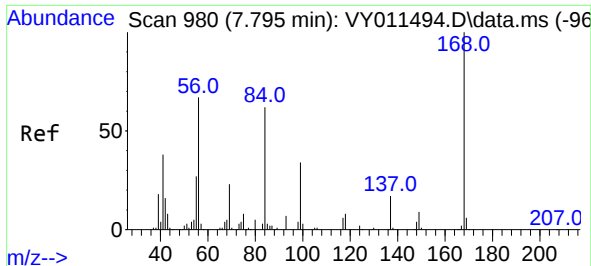
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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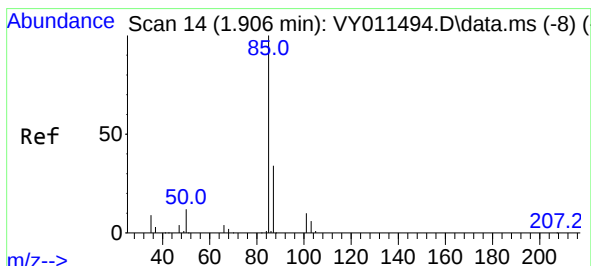
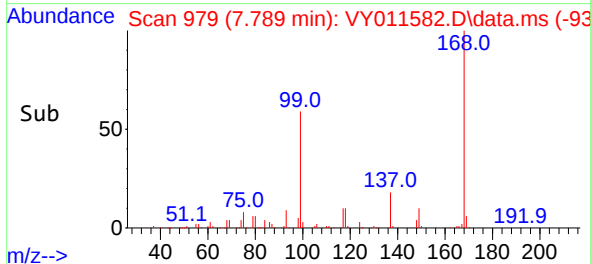
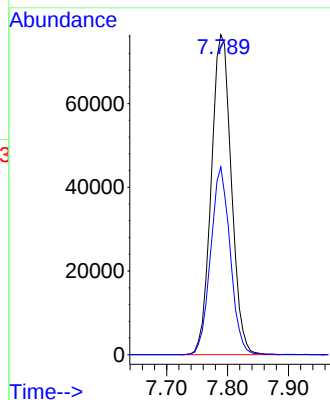
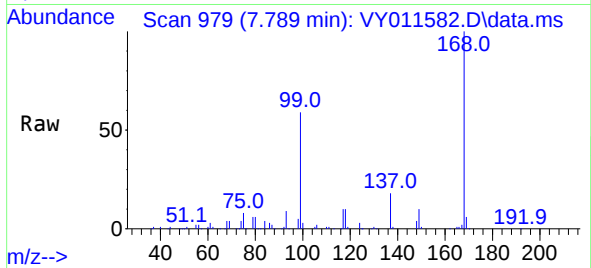




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011582.D
Acq: 23 Nov 2022 17:55

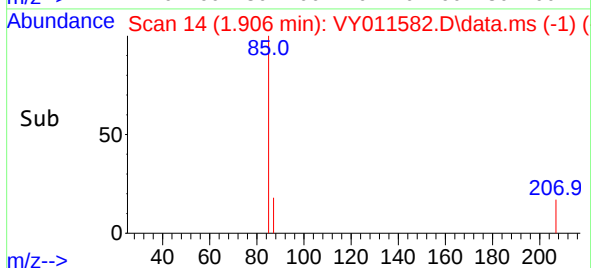
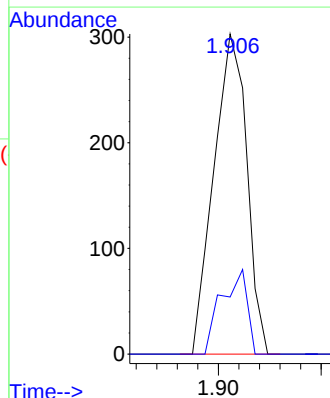
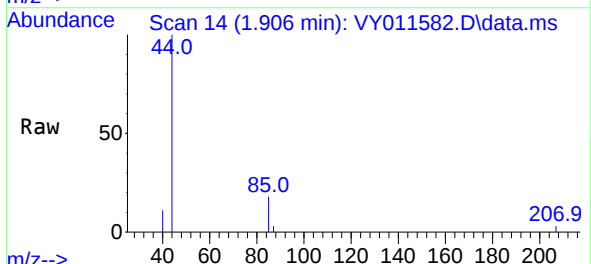
Instrument :
MSVOA_Y
ClientSampleId :

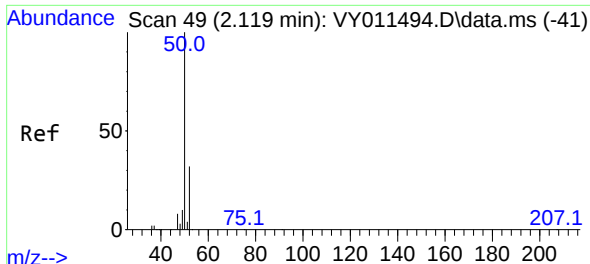
Tgt Ion:168 Resp: 175270
Ion Ratio Lower Upper
168 100
99 58.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011582.D
Acq: 23 Nov 2022 17:55

Tgt Ion: 85 Resp: 337
Ion Ratio Lower Upper
85 100
87 17.8 16.1 48.2

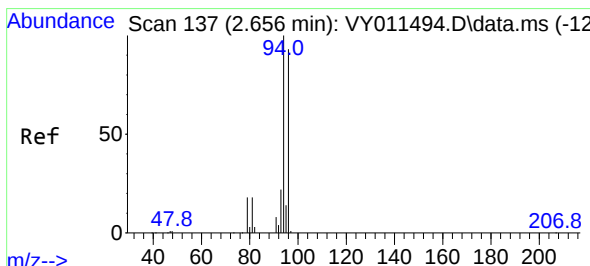
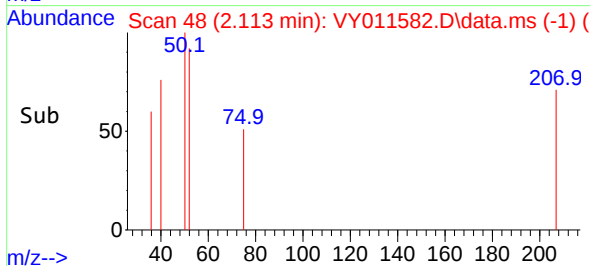
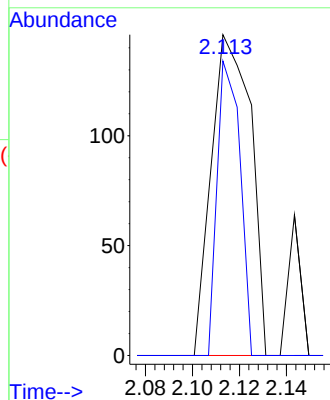
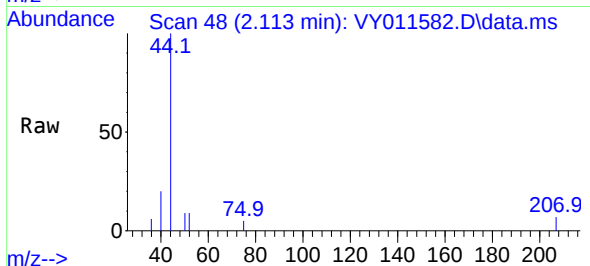




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011582.D
Acq: 23 Nov 2022 17:55

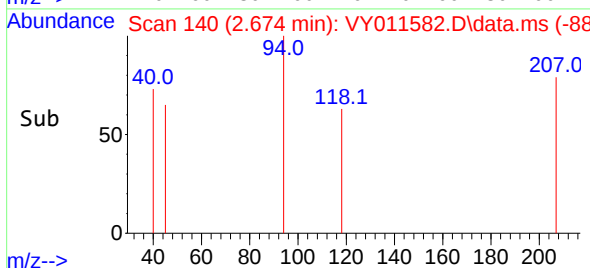
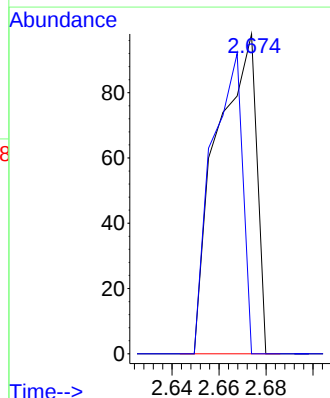
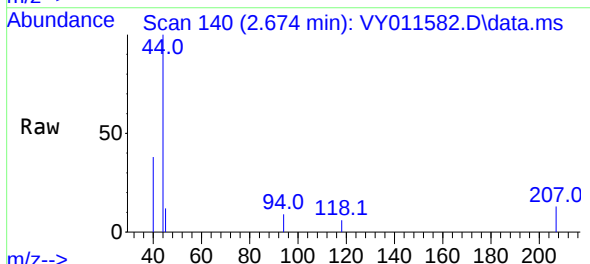
Instrument :
MSVOA_Y
ClientSampleId :

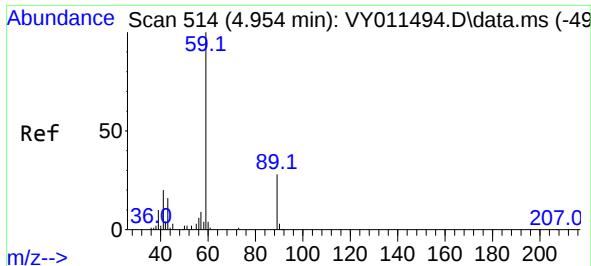
Tgt Ion: 50 Resp: 170
Ion Ratio Lower Upper
50 100
52 91.8 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 140
Delta R.T. 0.018 min
Lab File: VY011582.D
Acq: 23 Nov 2022 17:55

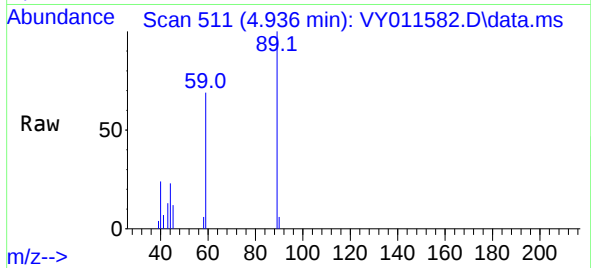
Tgt Ion: 94 Resp: 114
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



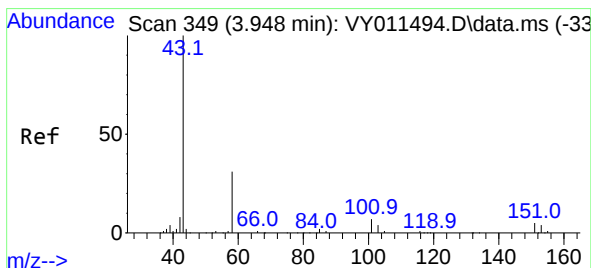
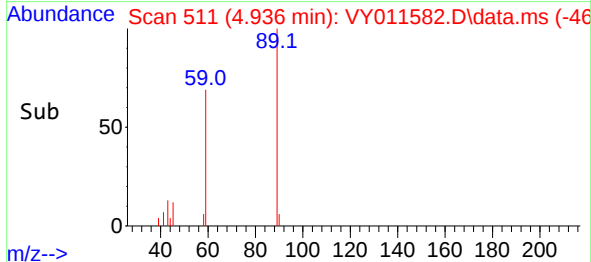
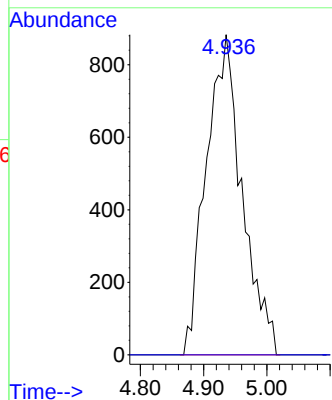


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY011582.D
Acq: 23 Nov 2022 17:55

Instrument :
MSVOA_Y
ClientSampleId :

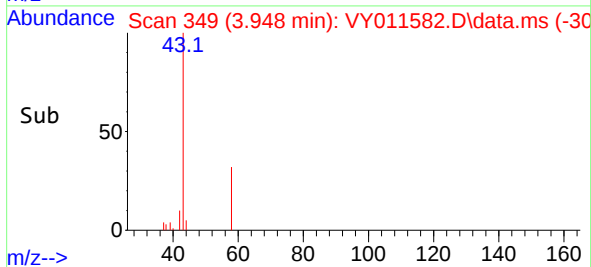
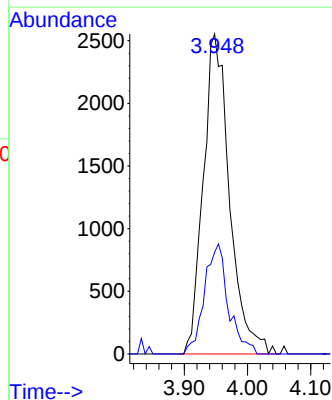
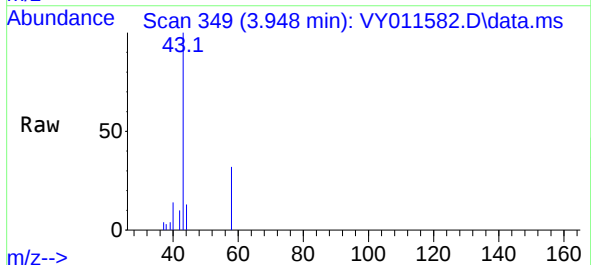


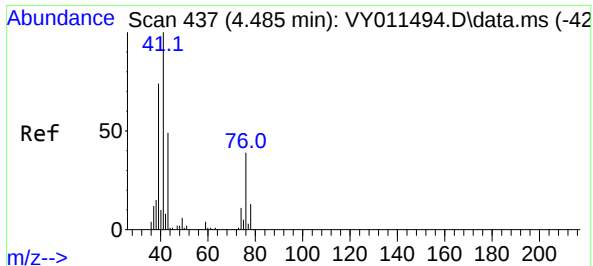
Tgt Ion: 59 Resp: 3479
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 12.772 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY011582.D
Acq: 23 Nov 2022 17:55

Tgt Ion: 43 Resp: 7383
Ion Ratio Lower Upper
43 100
58 31.8 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.478 min Scan# 41

Delta R.T. -0.007 min

Lab File: VY011582.D

Acq: 23 Nov 2022 17:55

Instrument :

MSVOA_Y

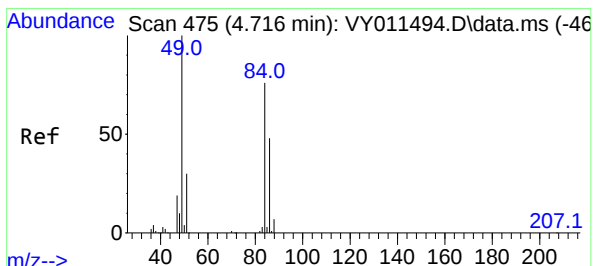
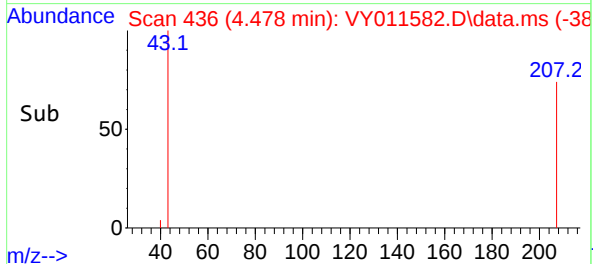
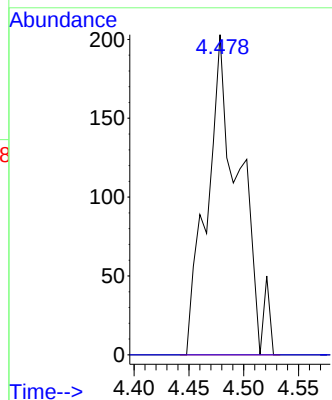
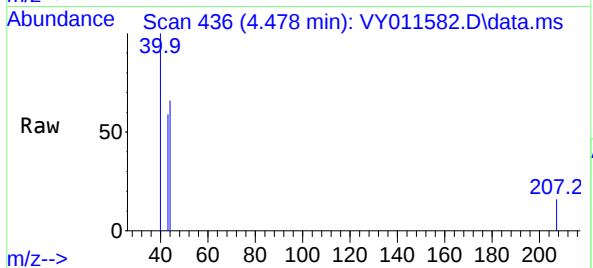
ClientSampleId :

Tgt Ion: 43 Resp: 419

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: 2.896 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY011582.D

Acq: 23 Nov 2022 17:55

Tgt Ion: 84 Resp: 28300

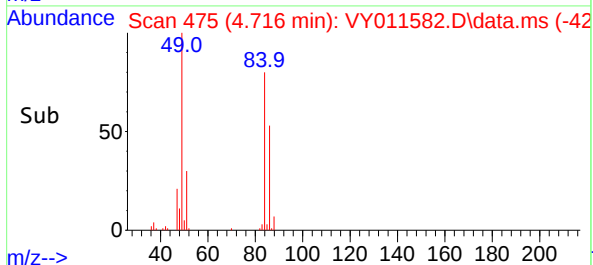
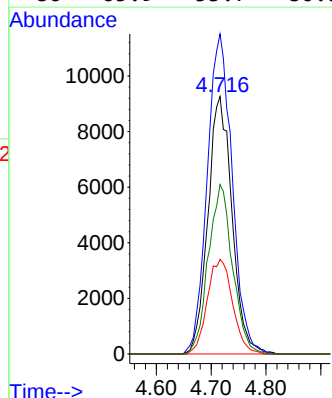
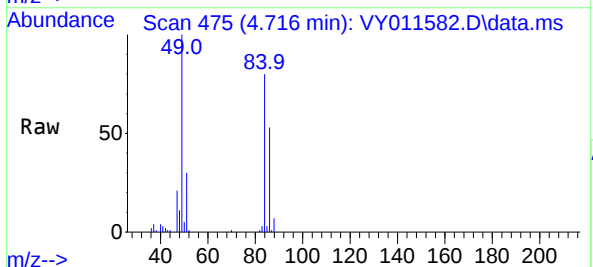
Ion Ratio Lower Upper

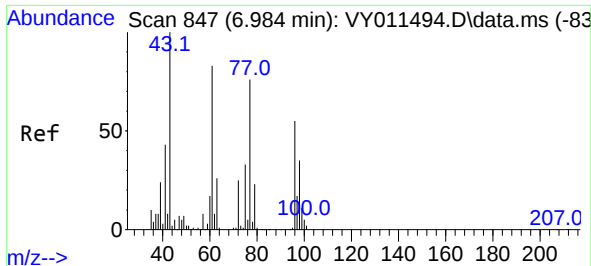
84 100

49 124.3 114.4 171.6

51 36.8 35.3 52.9

86 65.9 53.7 80.5





#25

2-Butanone

Concen: 4.886 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY011582.D

Acq: 23 Nov 2022 17:55

Instrument :

MSVOA_Y

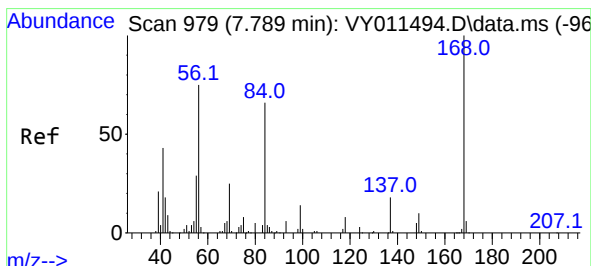
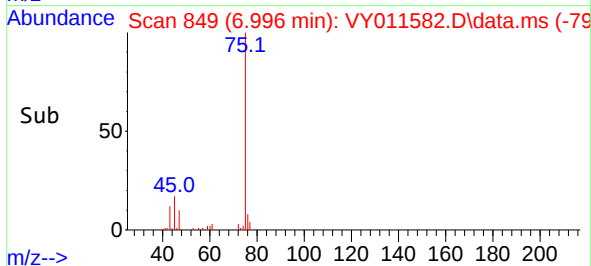
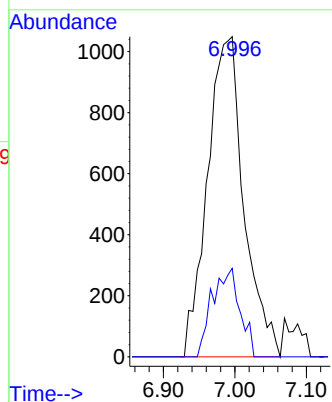
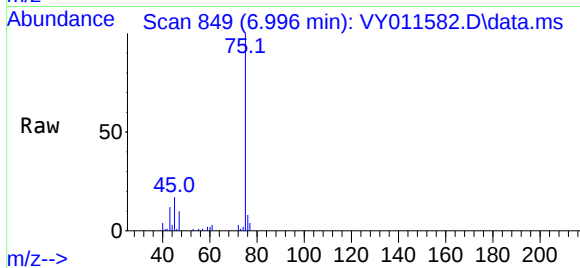
ClientSampleId :

Tgt Ion: 43 Resp: 3712

Ion Ratio Lower Upper

43 100

72 27.6 17.7 26.5#



#31

Cyclohexane

Concen: 1.419 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY011582.D

Acq: 23 Nov 2022 17:55

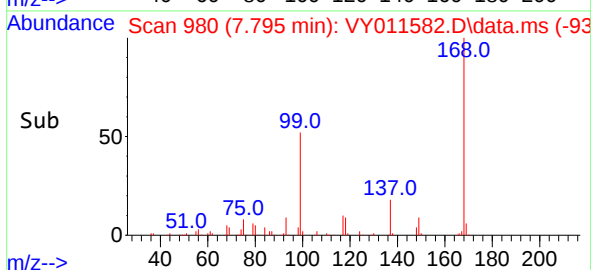
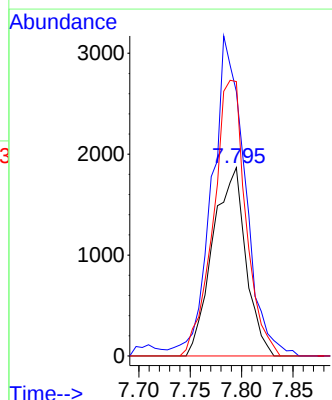
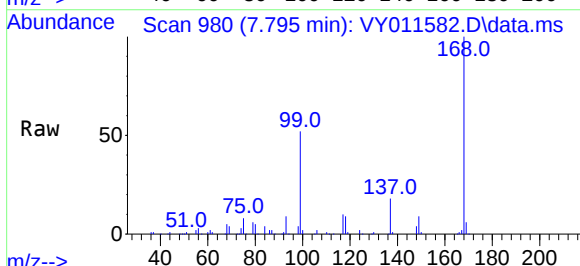
Tgt Ion: 56 Resp: 4186

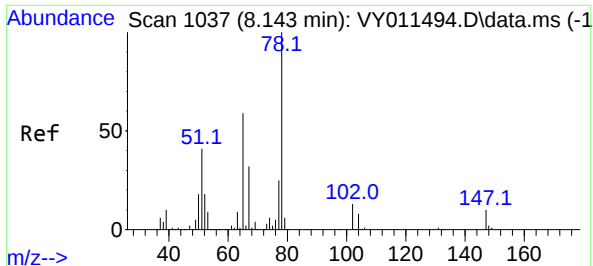
Ion Ratio Lower Upper

56 100

69 135.0 26.7 40.1#

84 145.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 73.379 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011582.D

Acq: 23 Nov 2022 17:55

Instrument :

MSVOA_Y

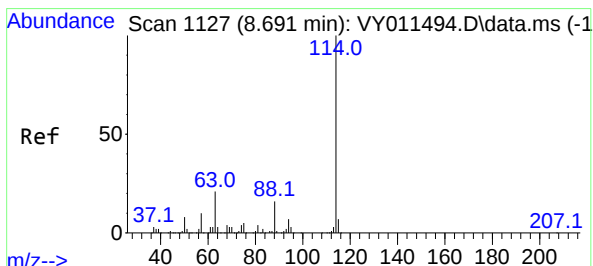
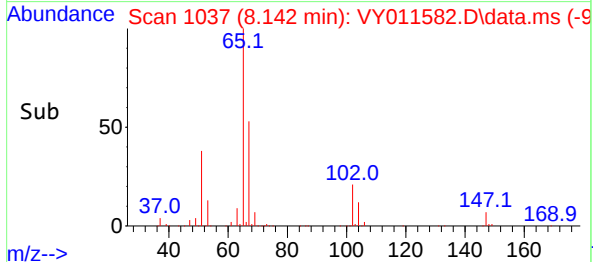
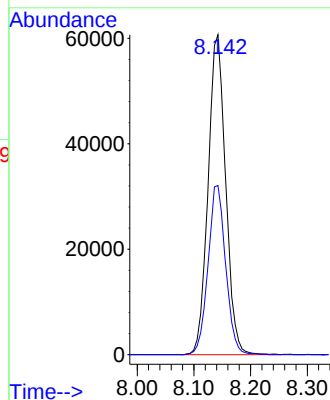
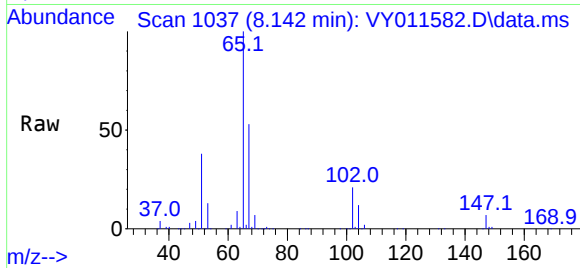
ClientSampleId :

Tgt Ion: 65 Resp: 130592

Ion Ratio Lower Upper

65 100

67 53.0 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: VY011582.D

Acq: 23 Nov 2022 17:55

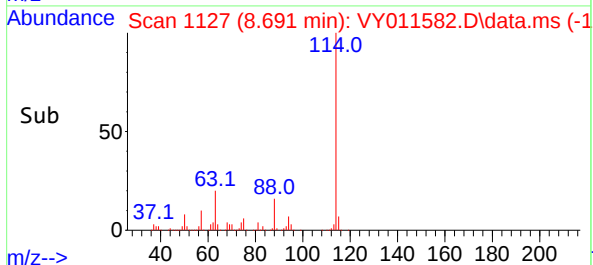
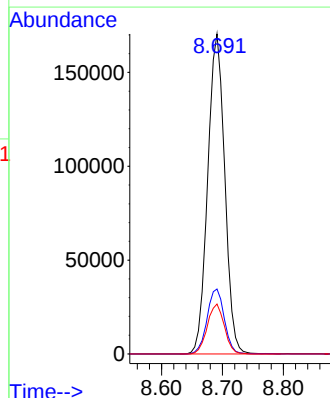
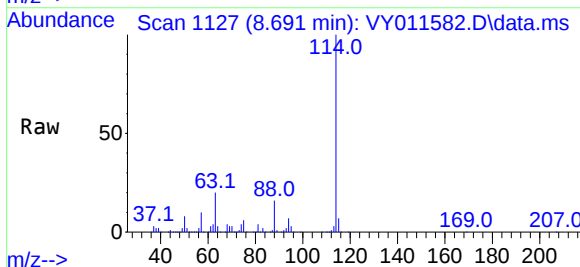
Tgt Ion:114 Resp: 331413

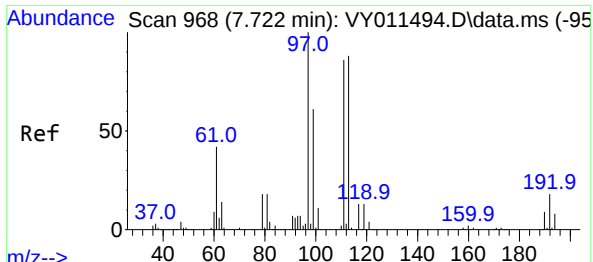
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 53.976 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.006 min

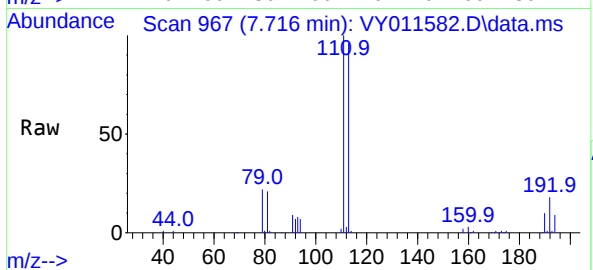
Lab File: VY011582.D

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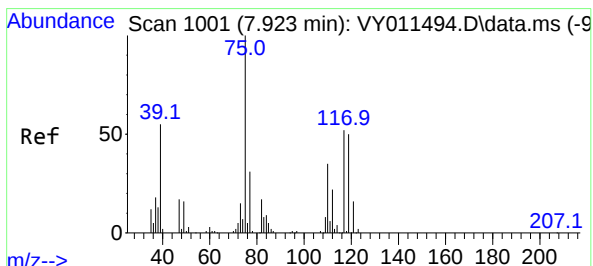
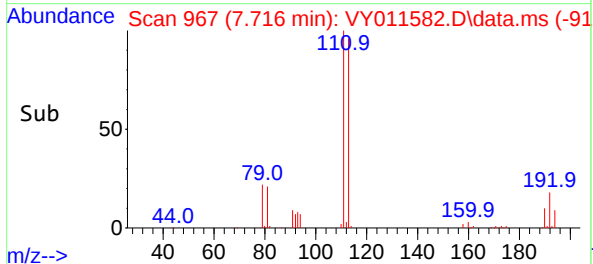
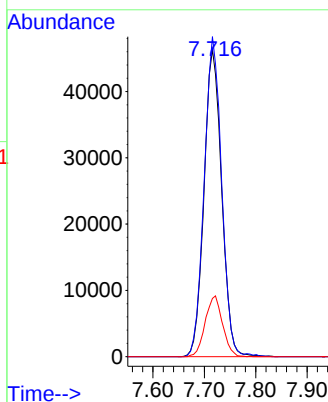
Tgt Ion:113 Resp: 110120

Ion Ratio Lower Upper

113 100

111 103.4 82.6 124.0

192 19.5 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.627 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.140 min

Lab File: VY011582.D

Acq: 23 Nov 2022 17:55

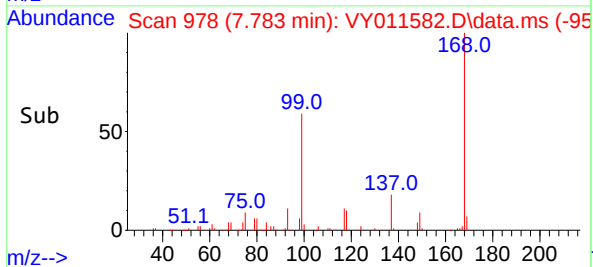
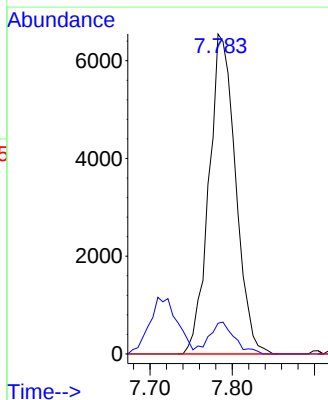
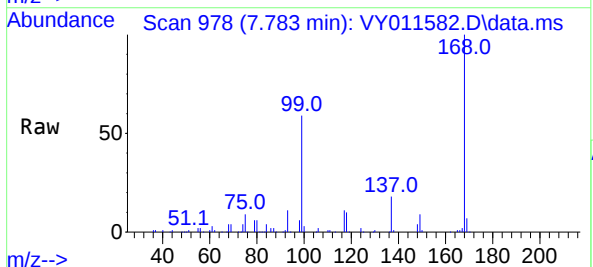
Tgt Ion: 75 Resp: 14755

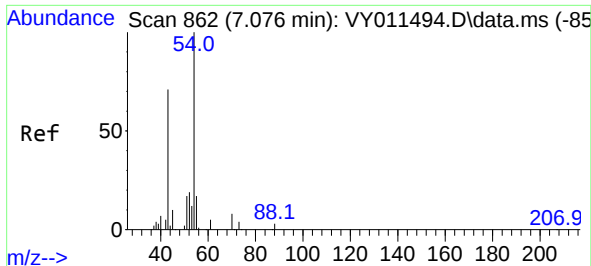
Ion Ratio Lower Upper

75 100

110 9.6 17.1 51.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.044 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.080 min

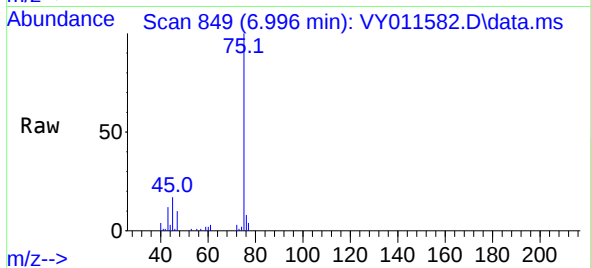
Lab File: VY011582.D

Acq: 23 Nov 2022 17:55

Instrument :

MSVOA_Y

ClientSampleId :



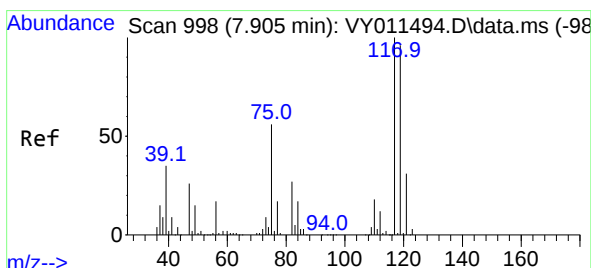
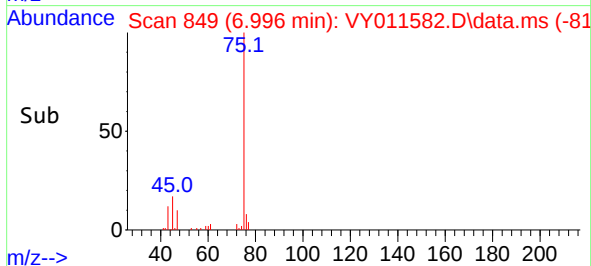
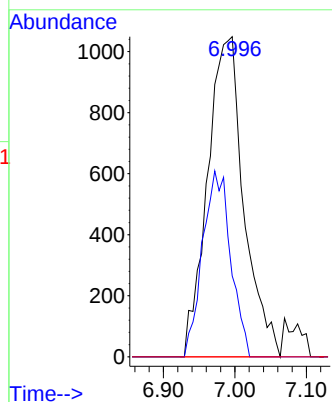
Tgt Ion: 43 Resp: 3712

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.028 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY011582.D

Acq: 23 Nov 2022 17:55

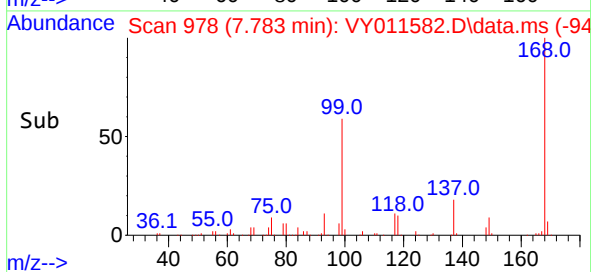
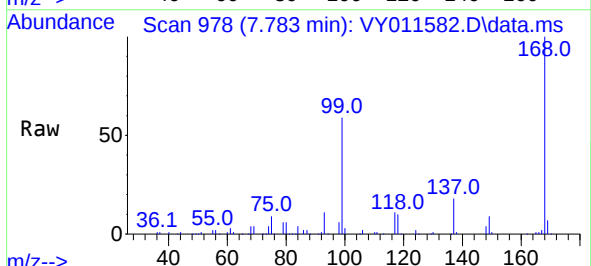
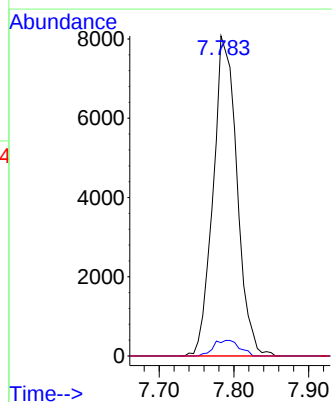
Tgt Ion: 117 Resp: 17939

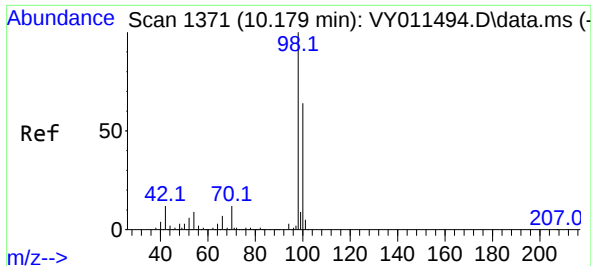
Ion Ratio Lower Upper

117 100

119 4.1 77.9 116.9#

121 0.0 24.8 37.2#

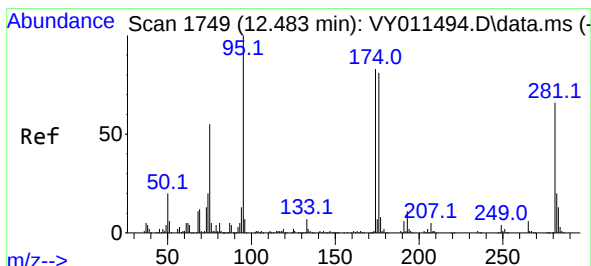
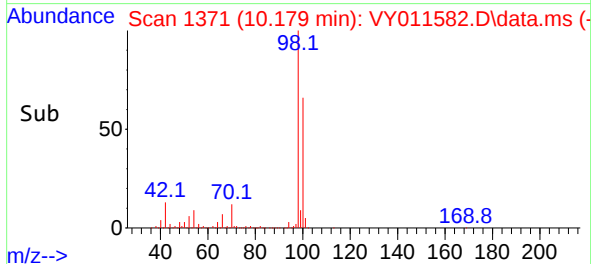
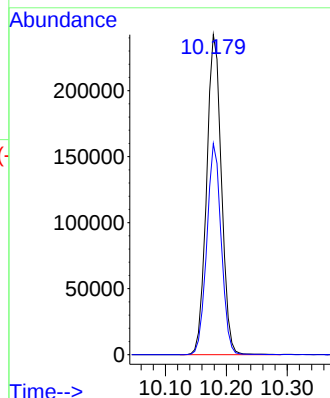
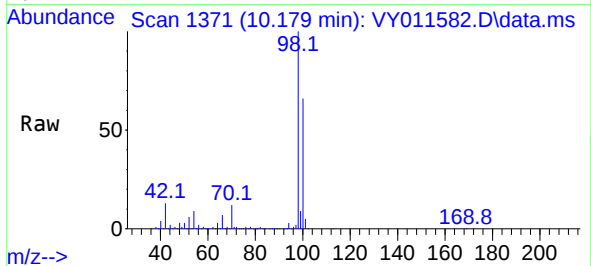




#50
Toluene-d8
Concen: 55.284 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011582.D
Acq: 23 Nov 2022 17:55

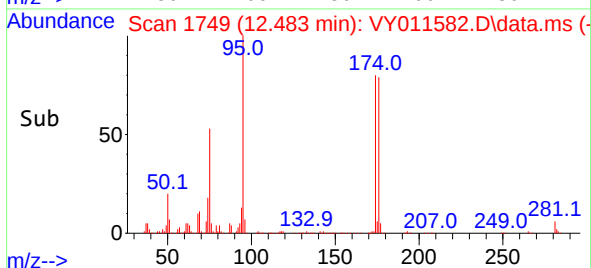
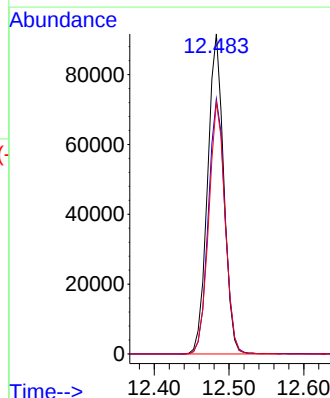
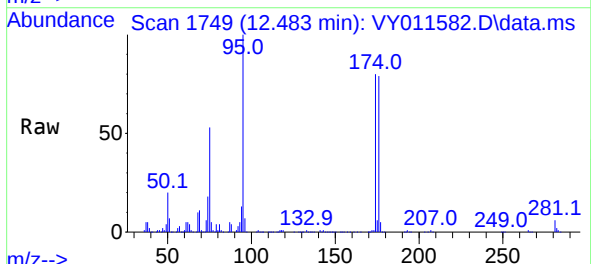
Instrument :
MSVOA_Y
ClientSampleId :

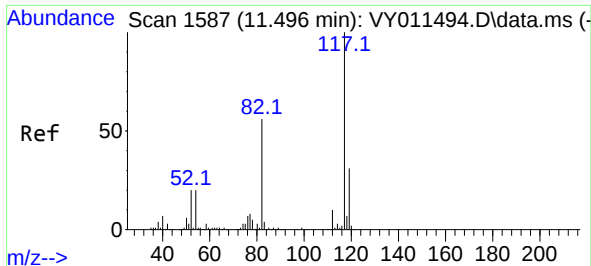
Tgt Ion: 98 Resp: 409864
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 50.164 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011582.D
Acq: 23 Nov 2022 17:55

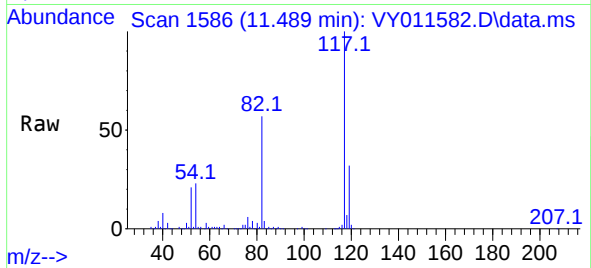
Tgt Ion: 95 Resp: 137503
Ion Ratio Lower Upper
95 100
174 82.0 0.0 177.0
176 79.3 0.0 175.8



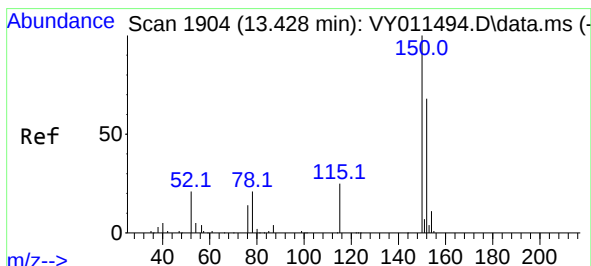
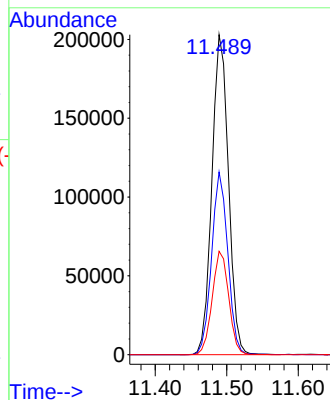
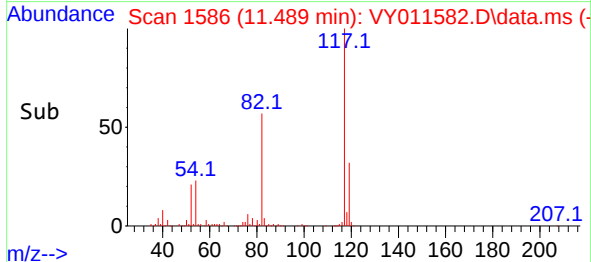


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011582.D
Acq: 23 Nov 2022 17:55

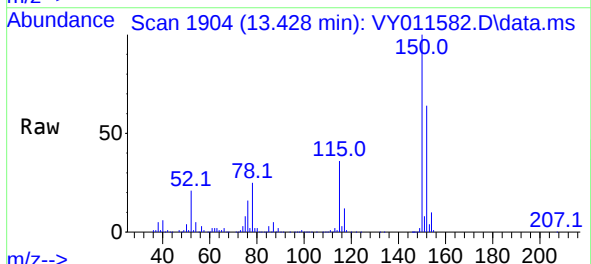
Instrument :
MSVOA_Y
ClientSampleId :



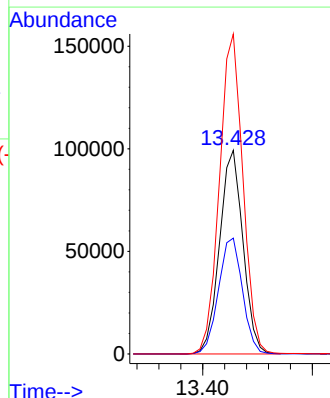
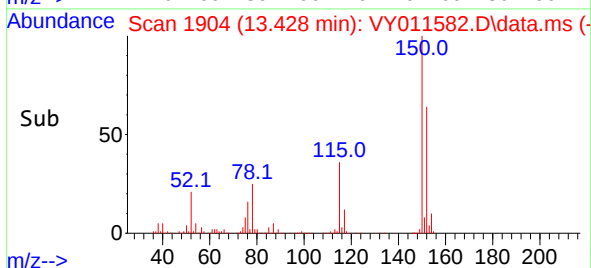
Tgt Ion:117 Resp: 326195
Ion Ratio Lower Upper
117 100
82 57.1 43.0 64.4
119 32.3 25.4 38.0

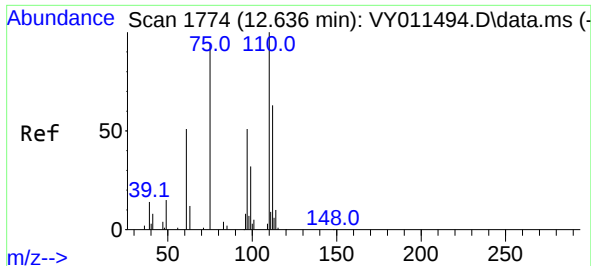


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011582.D
Acq: 23 Nov 2022 17:55



Tgt Ion:152 Resp: 147205
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 157.7 0.0 347.6

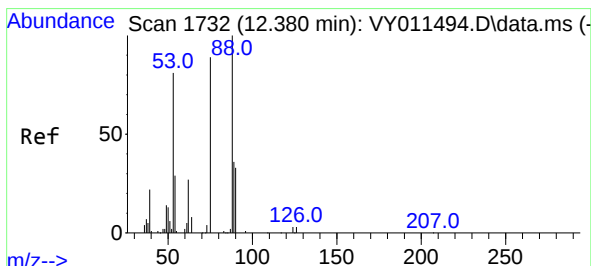
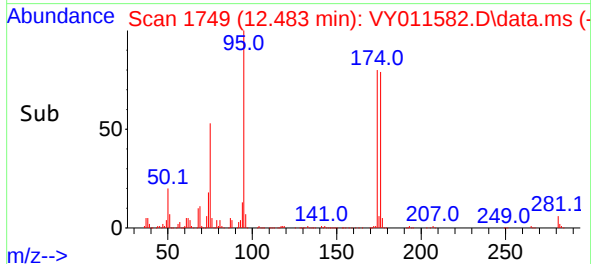
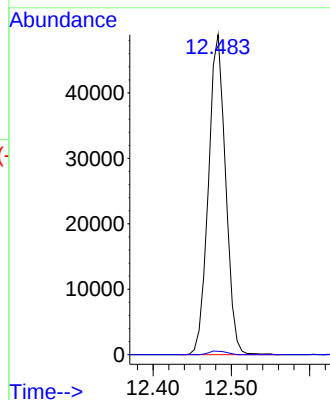
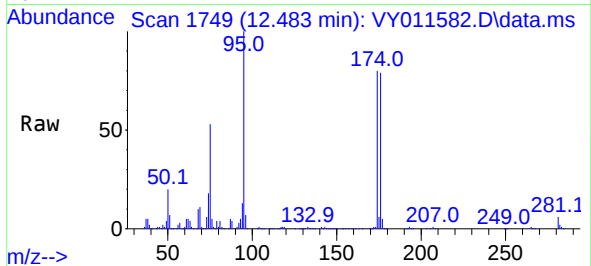




#76
1,2,3-Trichloropropane
Concen: 46.950 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011582.D
Acq: 23 Nov 2022 17:55

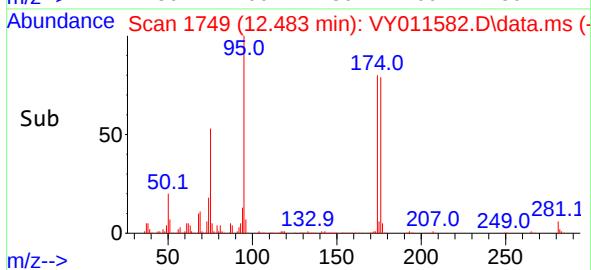
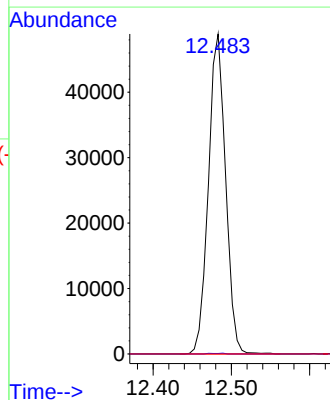
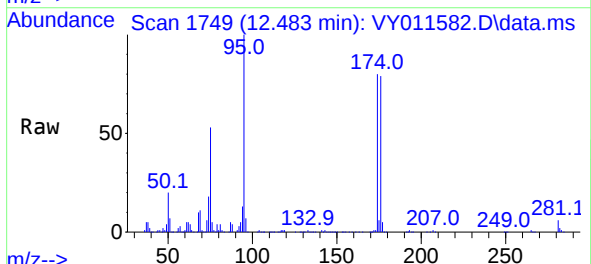
Instrument :
MSVOA_Y
ClientSampleId :

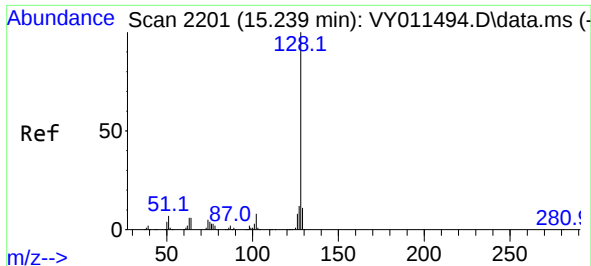
Tgt Ion: 75 Resp: 74430
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.837 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011582.D
Acq: 23 Nov 2022 17:55

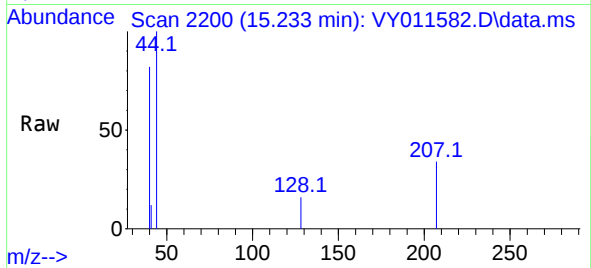
Tgt Ion: 75 Resp: 74430
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.028 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY011582.D
Acq: 23 Nov 2022 17:55

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	44
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

