

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112822\
 Data File : VY011599.D
 Acq On : 28 Nov 2022 13:36
 Operator : KP/MD
 Sample : N5462-08
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Quant Time: Nov 29 00:25:30 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)

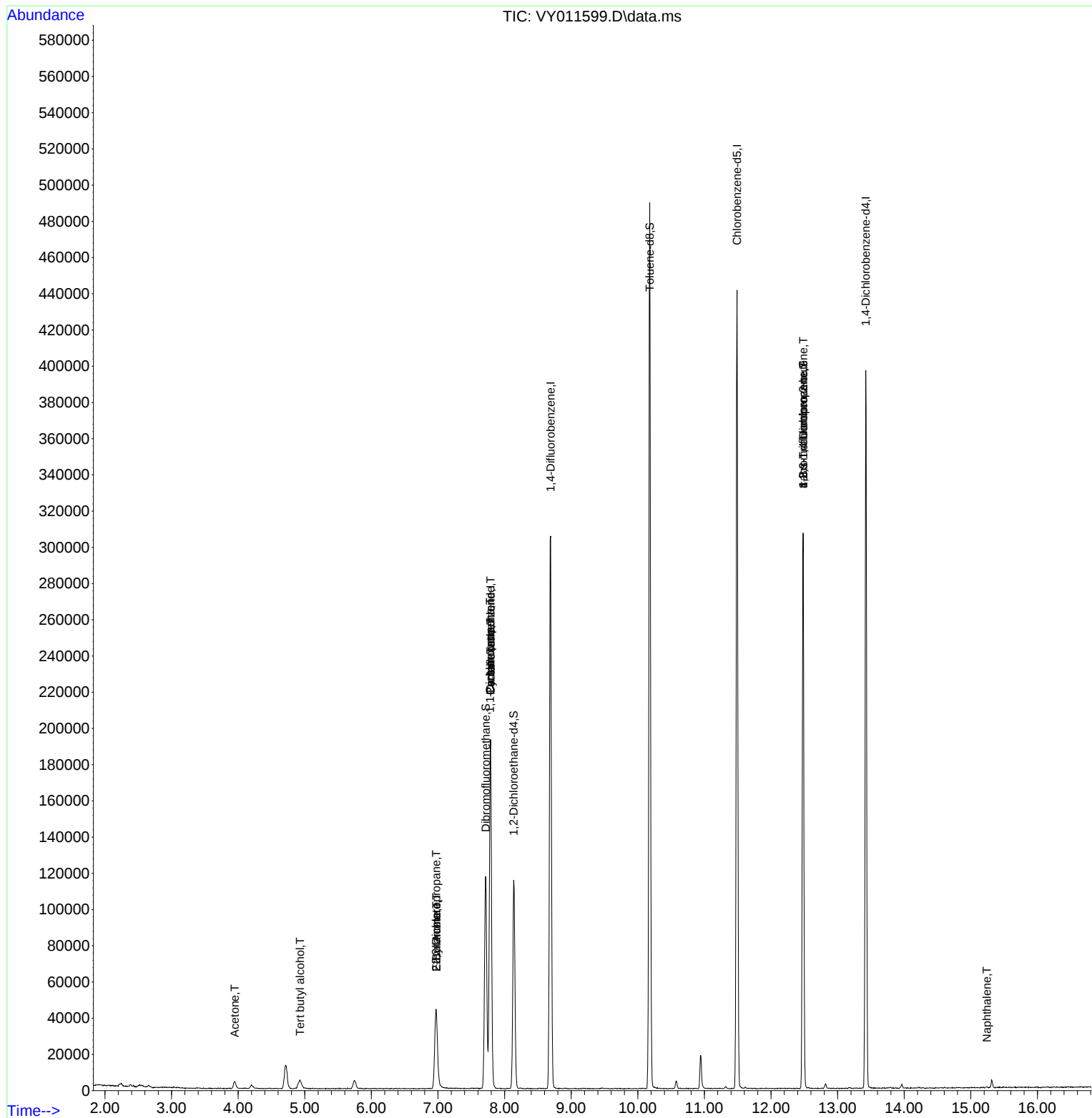
Internal Standards						
1) Pentafluorobenzene	7.789	168	146406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	256690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	234257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	99898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	89281	60.057	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.120%	
35) Dibromofluoromethane	7.716	113	82441	52.172	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.340%	
50) Toluene-d8	10.179	98	310548	54.082	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.160%	
62) 4-Bromofluorobenzene	12.483	95	91476	43.087	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.180%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	52	Below Cal	#	43
3) Chloromethane	2.113	50	254	Below Cal	#	44
5) Bromomethane	2.650	94	131	Below Cal	#	55
11) Tert butyl alcohol	4.930	59	5324	3.532	ug/l #	80
16) Acetone	3.948	43	7018	14.534	ug/l	98
18) Methyl Acetate	4.472	43	236	Below Cal	#	56
20) Methylene Chloride	4.710	84	9641	Below Cal	#	82
25) 2-Butanone	6.978	43	3435	5.413	ug/l	98
26) 2,2-Dichloropropane	6.972	77	3137	1.174	ug/l #	55
31) Cyclohexane	7.789	56	3249	1.319	ug/l #	7
36) 1,1-Dichloropropene	7.783	75	11896	4.816	ug/l #	51
37) Ethyl Acetate	6.978	43	3435	2.442	ug/l #	6
38) Carbon Tetrachloride	7.789	117	14830	5.367	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	48556	45.133	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48556	98.857	ug/l #	7
95) Naphthalene	15.239	128	529	4.158	ug/l #	69

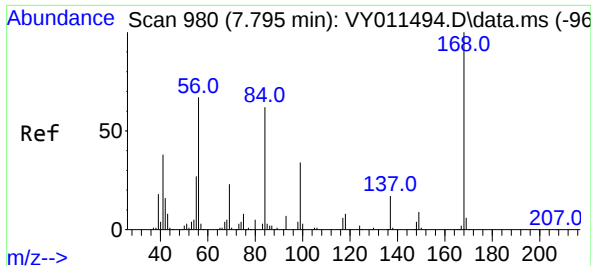
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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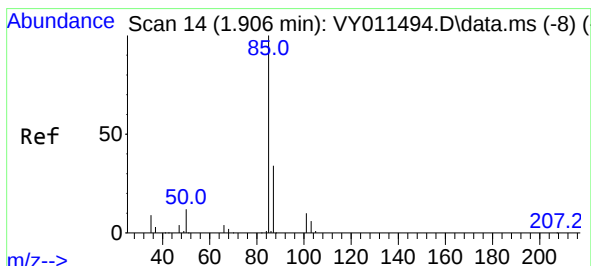
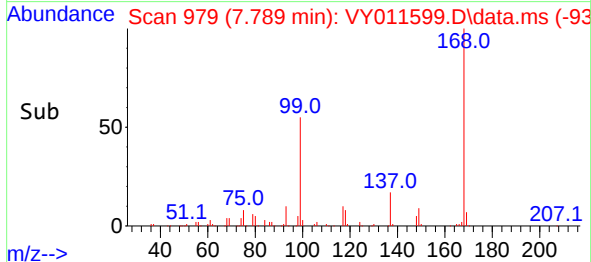
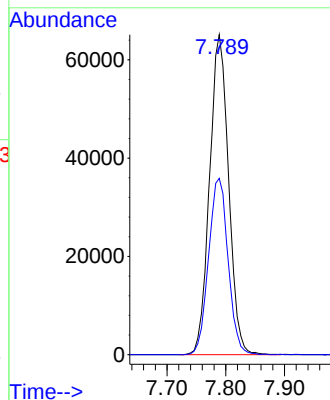
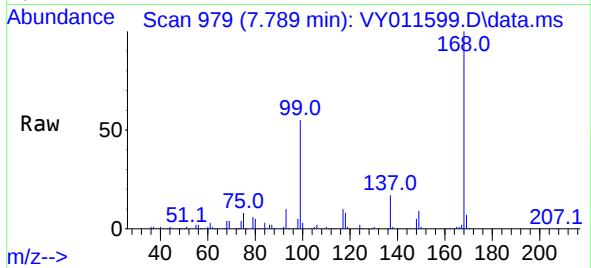




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011599.D
Acq: 28 Nov 2022 13:36

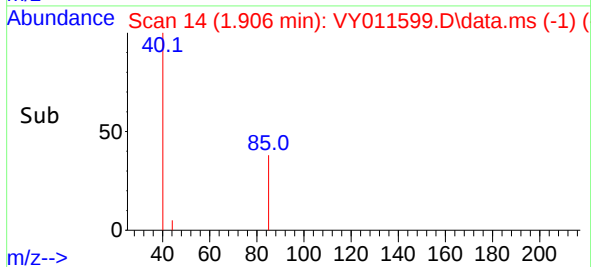
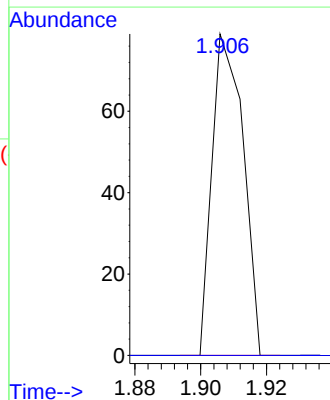
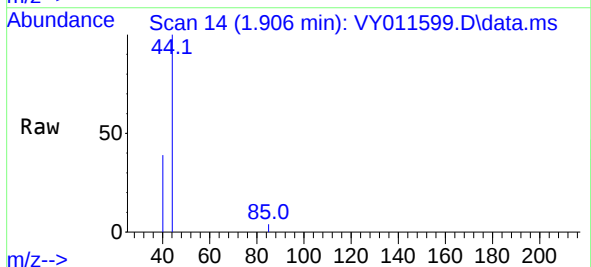
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

Tgt Ion:168 Resp: 146406
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3

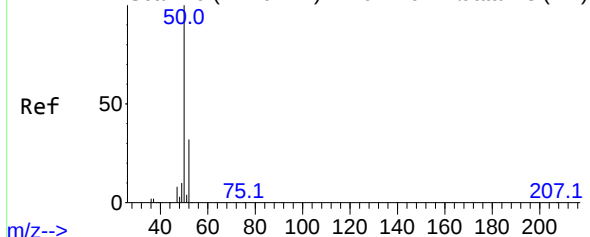


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011599.D
Acq: 28 Nov 2022 13:36

Tgt Ion: 85 Resp: 52
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 49 (2.119 min): VY011494.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY011599.D

Acq: 28 Nov 2022 13:36

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

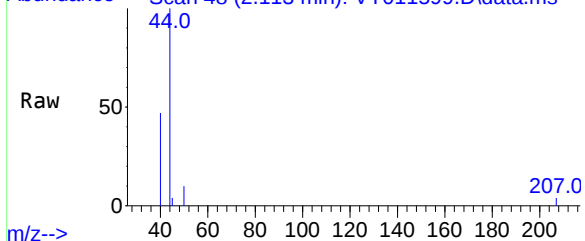
Tgt Ion: 50 Resp: 254

Ion Ratio Lower Upper

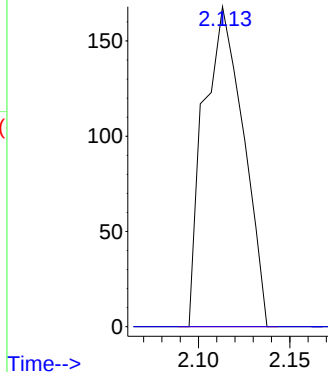
50 100

52 0.0 24.6 37.0#

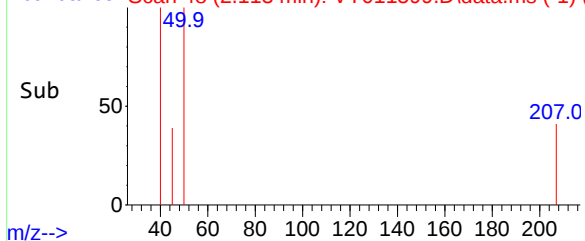
Abundance Scan 48 (2.113 min): VY011599.D\data.ms



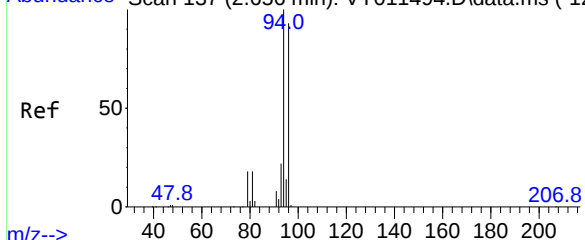
Abundance



Abundance Scan 48 (2.113 min): VY011599.D\data.ms (-1)



Abundance Scan 137 (2.656 min): VY011494.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.650 min Scan# 136

Delta R.T. -0.006 min

Lab File: VY011599.D

Acq: 28 Nov 2022 13:36

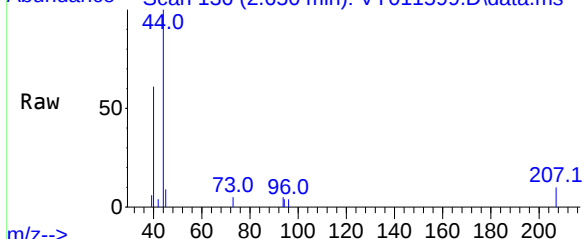
Tgt Ion: 94 Resp: 131

Ion Ratio Lower Upper

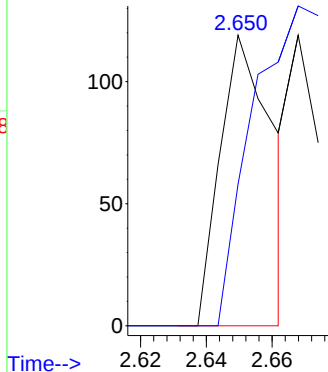
94 100

96 48.7 73.5 110.3#

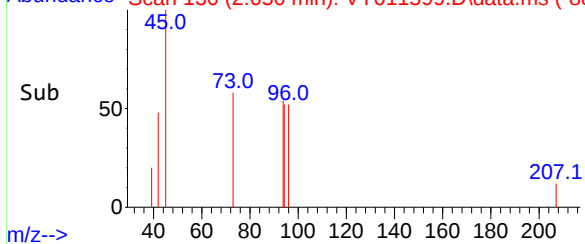
Abundance Scan 136 (2.650 min): VY011599.D\data.ms

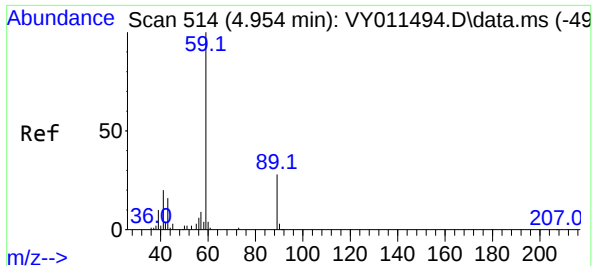


Abundance



Abundance Scan 136 (2.650 min): VY011599.D\data.ms (-88)





#11

Tert butyl alcohol

Concen: 3.532 ug/l

RT: 4.930 min Scan# 514

Delta R.T. -0.024 min

Lab File: VY011599.D

Acq: 28 Nov 2022 13:36

Instrument :

MSVOA_Y

ClientSampleId :

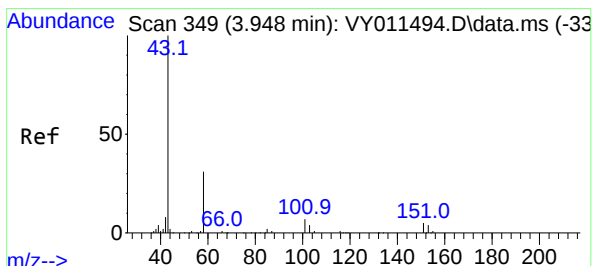
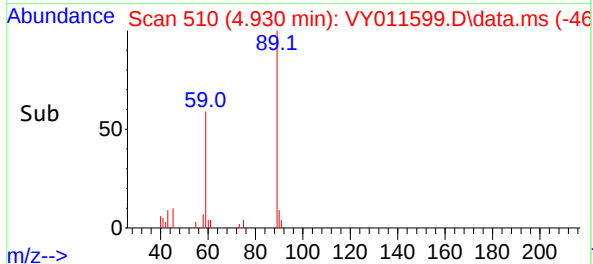
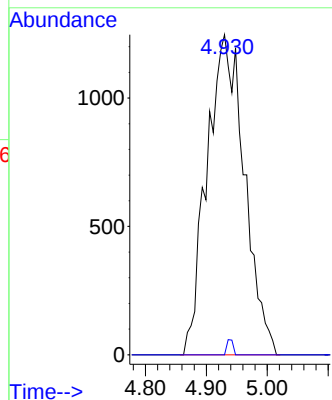
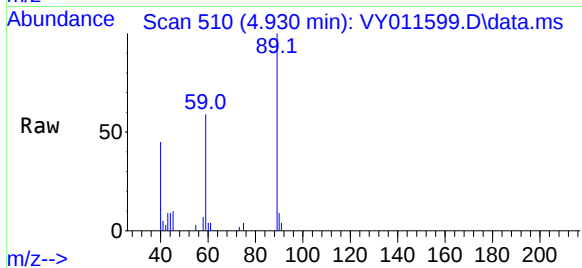
TP-2

Tgt Ion: 59 Resp: 5324

Ion Ratio Lower Upper

59 100

57 0.8 6.4 9.6#



#16

Acetone

Concen: 14.534 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY011599.D

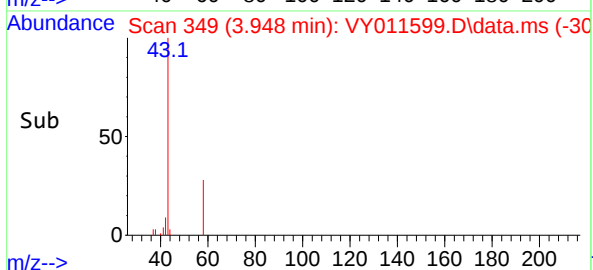
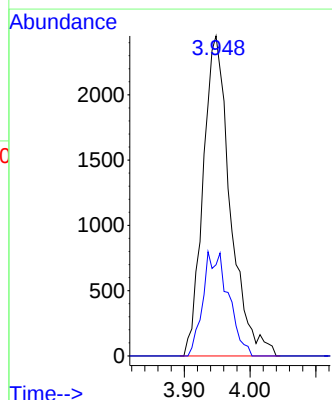
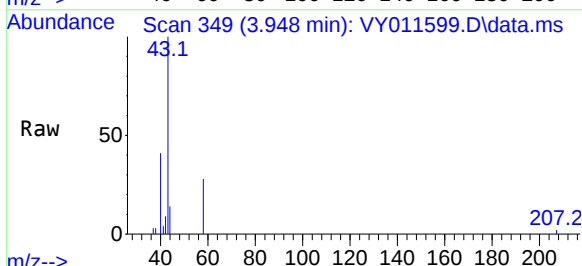
Acq: 28 Nov 2022 13:36

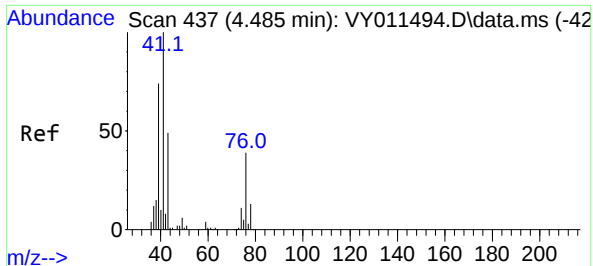
Tgt Ion: 43 Resp: 7018

Ion Ratio Lower Upper

43 100

58 28.5 22.0 33.0

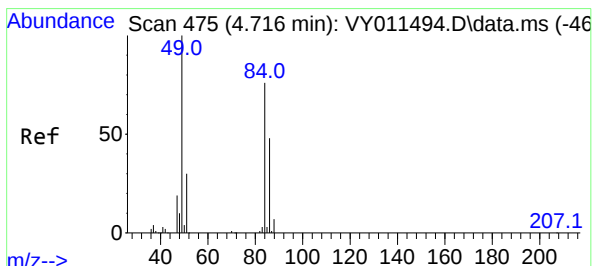
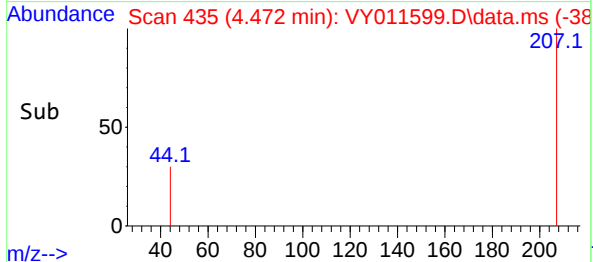
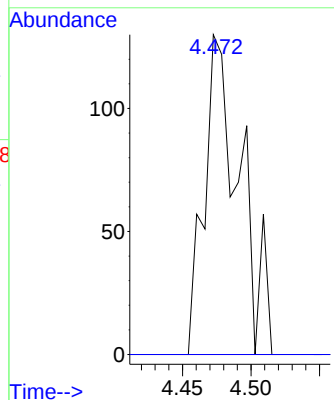
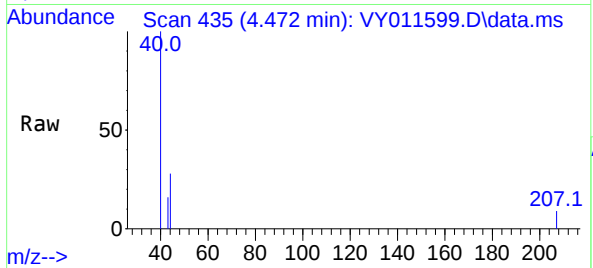




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY011599.D
Acq: 28 Nov 2022 13:36

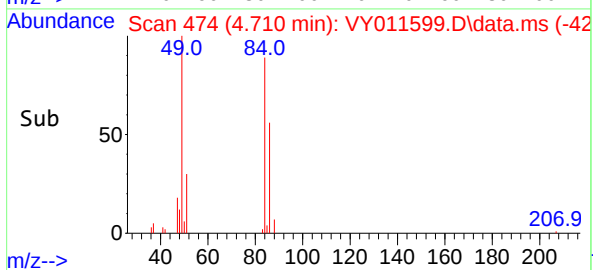
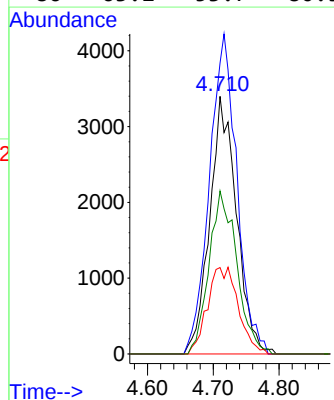
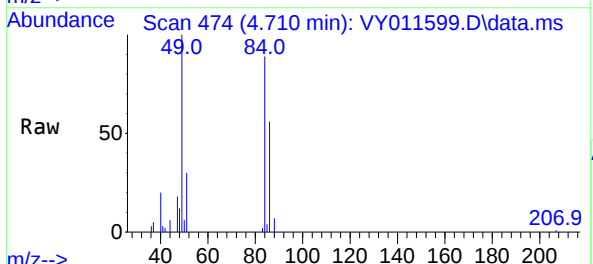
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

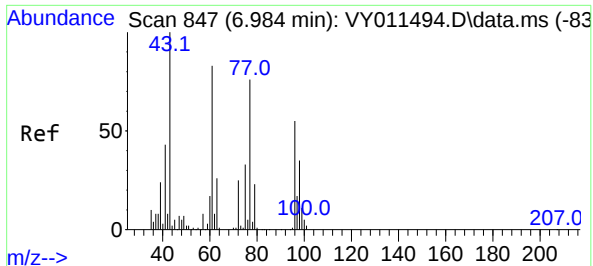
Tgt Ion: 43 Resp: 236
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY011599.D
Acq: 28 Nov 2022 13:36

Tgt Ion: 84 Resp: 9641
Ion Ratio Lower Upper
84 100
49 112.9 114.4 171.6#
51 33.5 35.3 52.9#
86 63.2 53.7 80.5





#25

2-Butanone

Concen: 5.413 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY011599.D

Acq: 28 Nov 2022 13:36

Instrument :

MSVOA_Y

ClientSampleId :

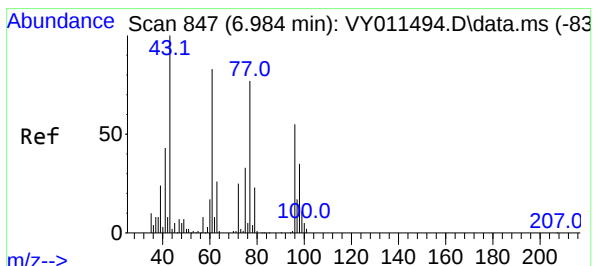
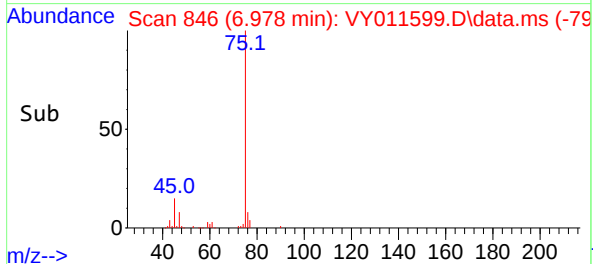
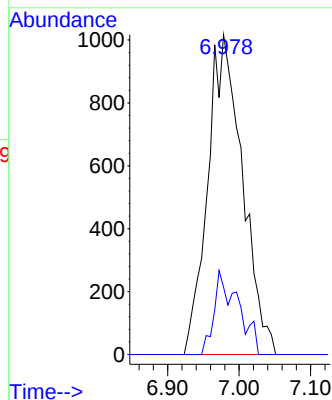
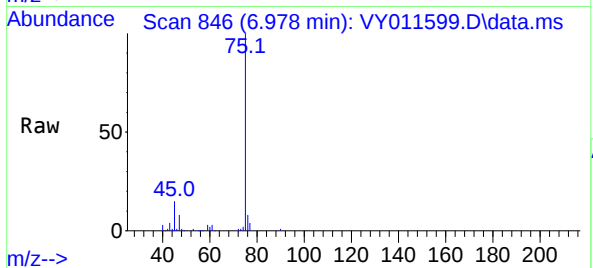
TP-2

Tgt Ion: 43 Resp: 3435

Ion Ratio Lower Upper

43 100

72 21.0 17.7 26.5



#26

2,2-Dichloropropane

Concen: 1.174 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY011599.D

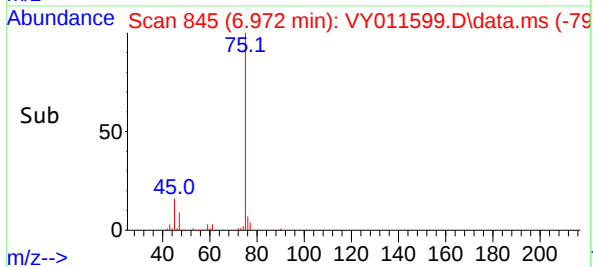
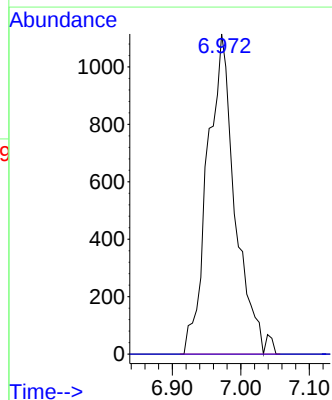
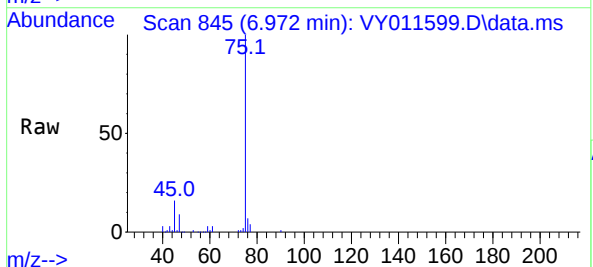
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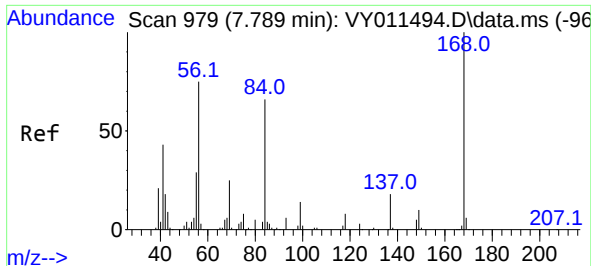
Tgt Ion: 77 Resp: 3137

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

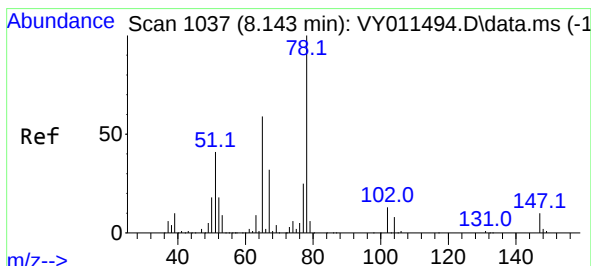
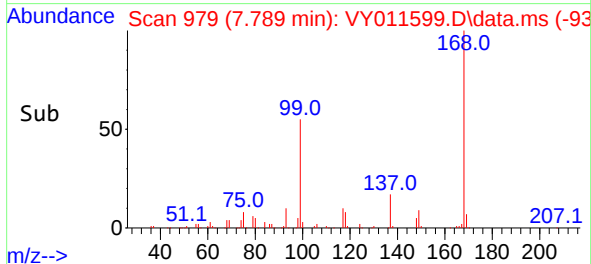
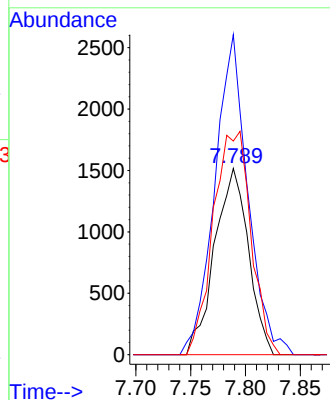
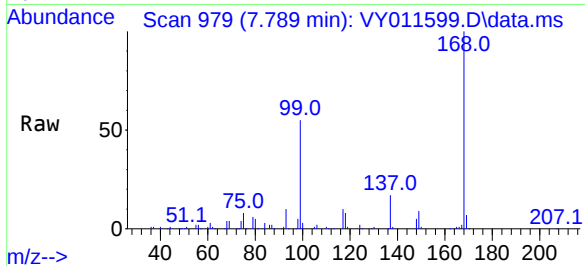




#31
Cyclohexane
Concen: 1.319 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011599.D
Acq: 28 Nov 2022 13:36

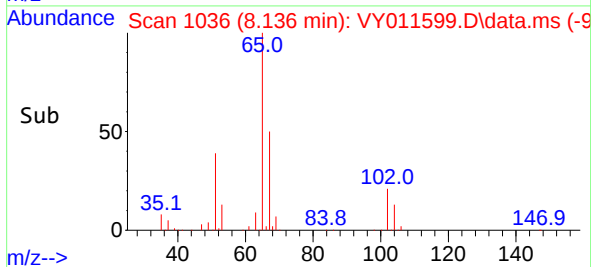
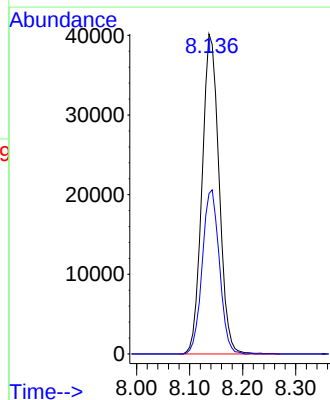
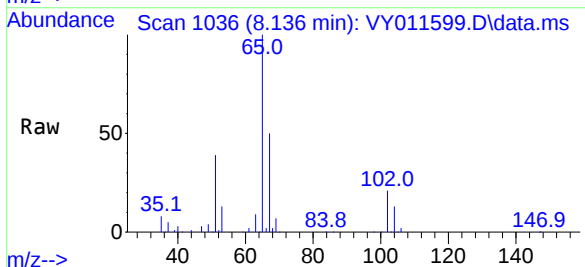
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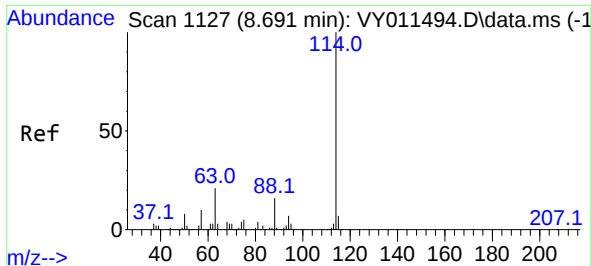
Tgt Ion: 56 Resp: 3249
Ion Ratio Lower Upper
56 100
69 171.8 26.7 40.1#
84 114.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 60.057 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011599.D
Acq: 28 Nov 2022 13:36

Tgt Ion: 65 Resp: 89281
Ion Ratio Lower Upper
65 100
67 51.8 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: VY011599.D

Acq: 28 Nov 2022 13:36

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

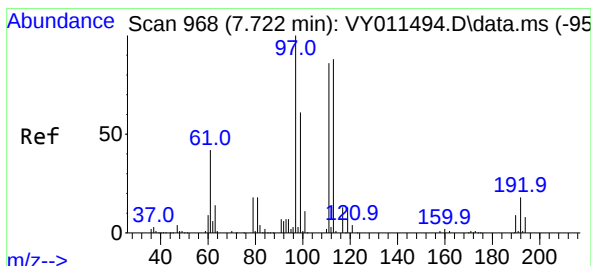
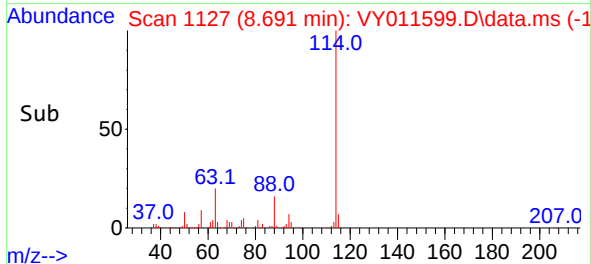
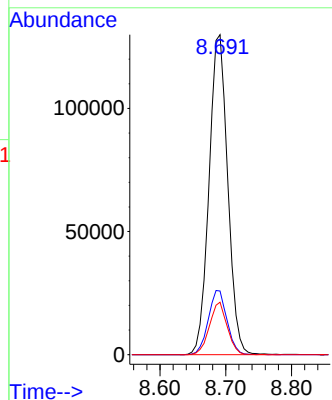
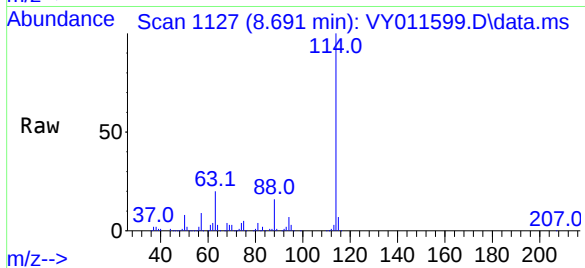
Tgt Ion:114 Resp: 256690

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 16.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.172 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY011599.D

Acq: 28 Nov 2022 13:36

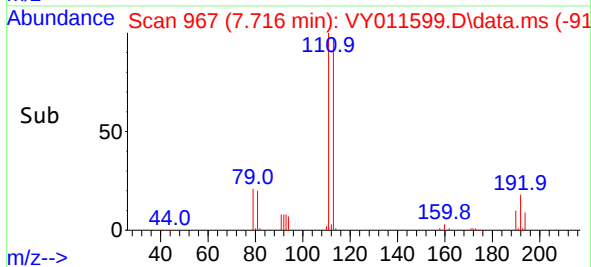
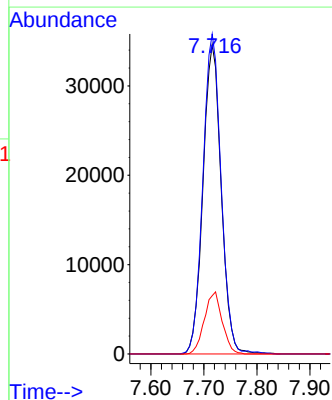
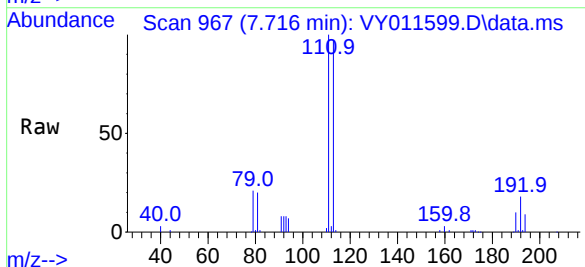
Tgt Ion:113 Resp: 82441

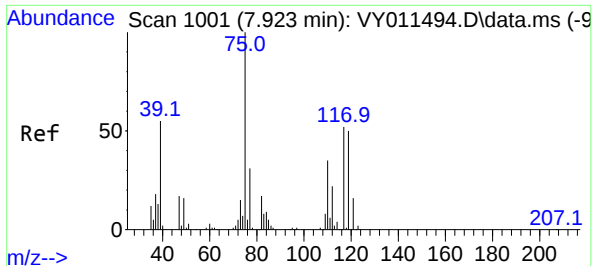
Ion Ratio Lower Upper

113 100

111 103.5 82.6 124.0

192 19.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.816 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY011599.D

Acq: 28 Nov 2022 13:36

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

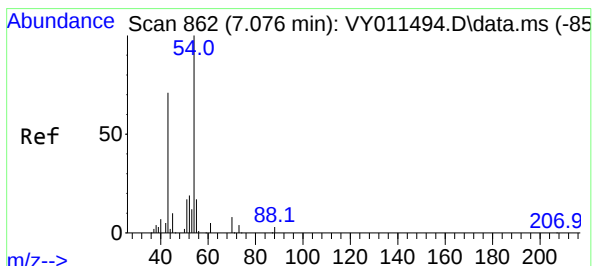
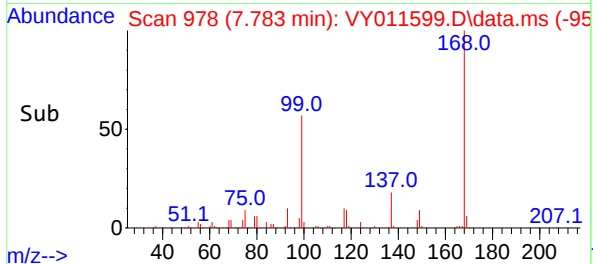
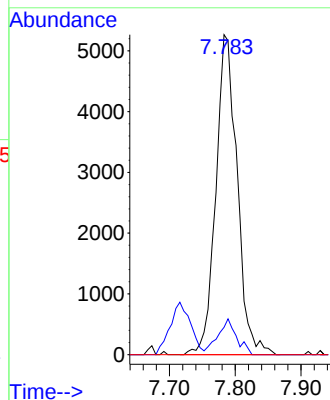
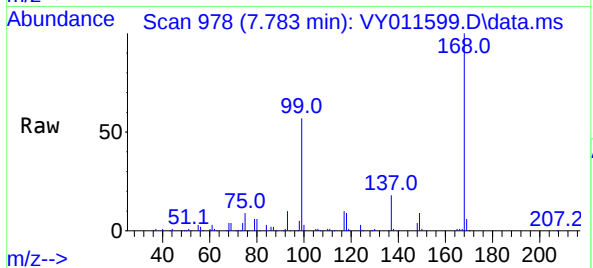
Tgt Ion: 75 Resp: 11896

Ion Ratio Lower Upper

75 100

110 9.8 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.442 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.098 min

Lab File: VY011599.D

Acq: 28 Nov 2022 13:36

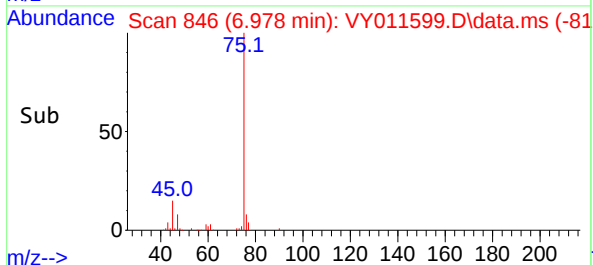
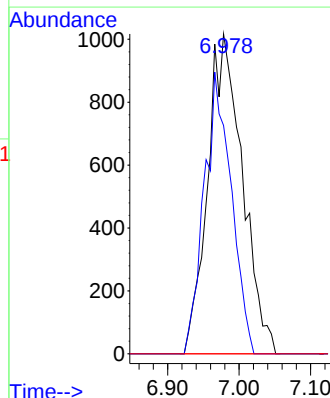
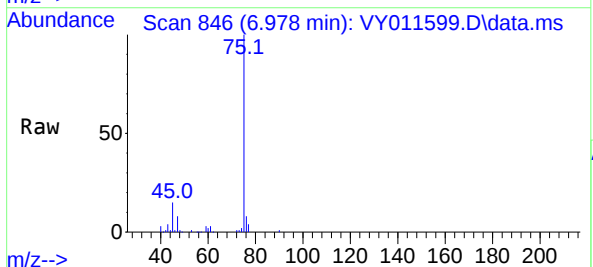
Tgt Ion: 43 Resp: 3435

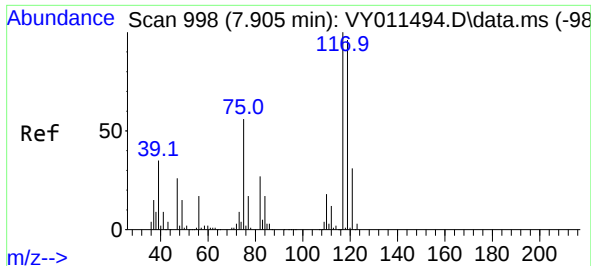
Ion Ratio Lower Upper

43 100

61 68.7 9.7 14.5#

70 0.0 7.1 10.7#

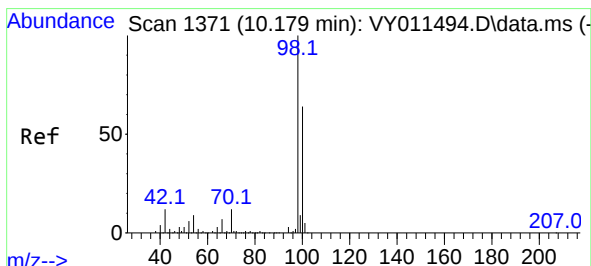
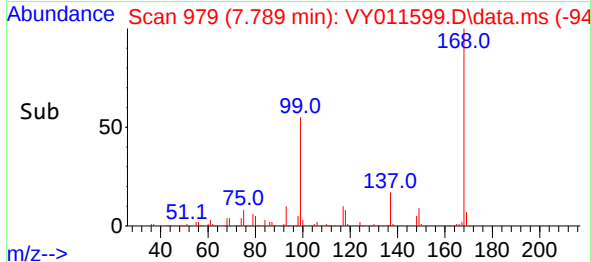
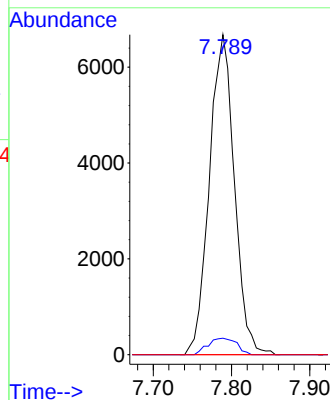
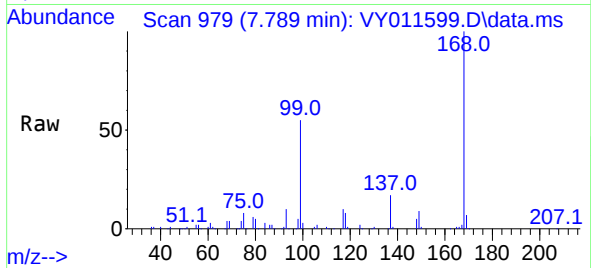




#38
Carbon Tetrachloride
Concen: 5.367 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011599.D
Acq: 28 Nov 2022 13:36

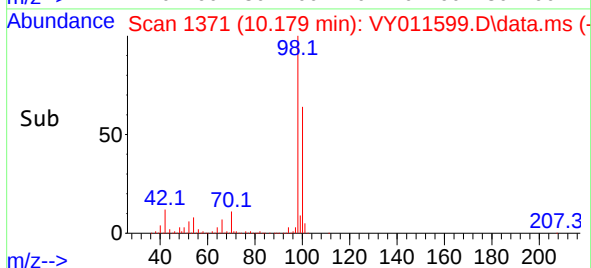
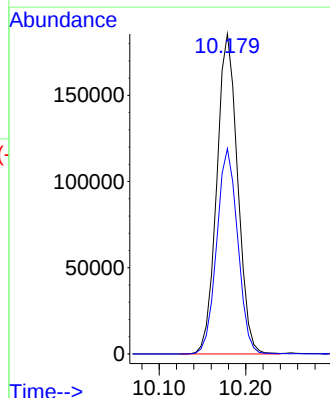
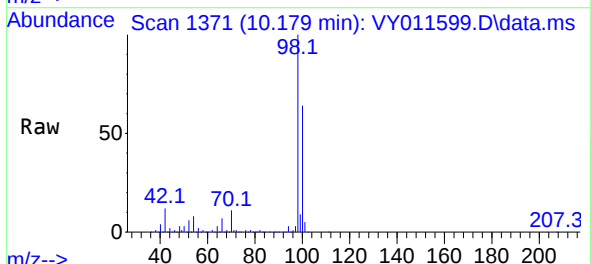
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

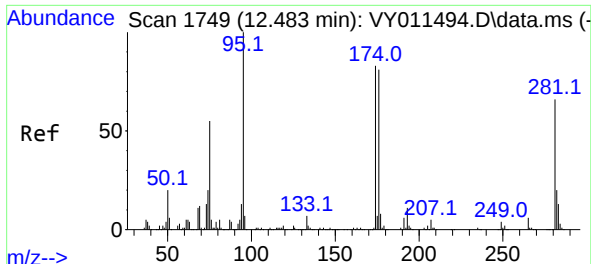
Tgt Ion:117 Resp: 14830
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.082 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011599.D
Acq: 28 Nov 2022 13:36

Tgt Ion: 98 Resp: 310548
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2

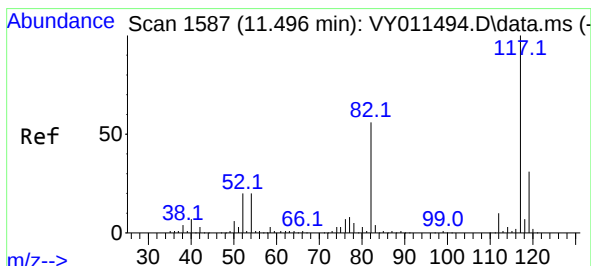
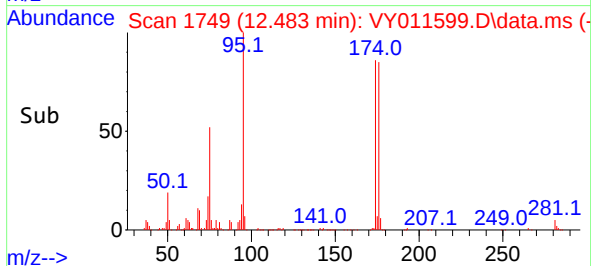
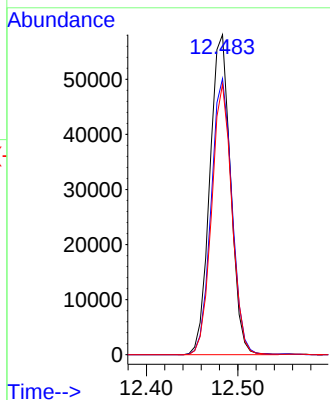
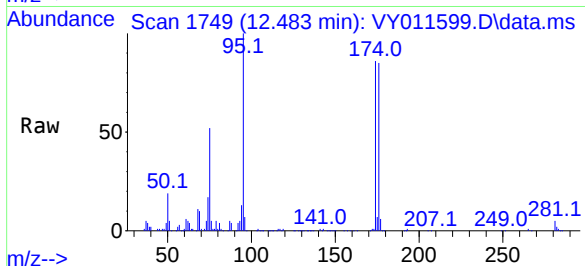




#62
4-Bromofluorobenzene
Concen: 43.087 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011599.D
Acq: 28 Nov 2022 13:36

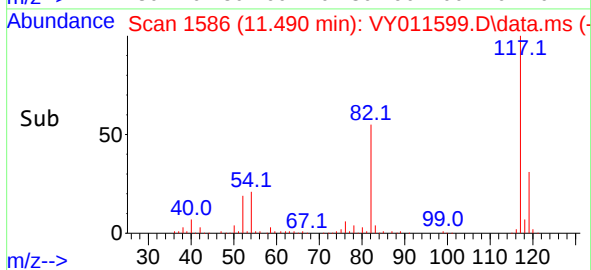
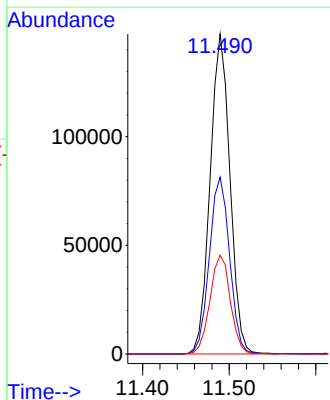
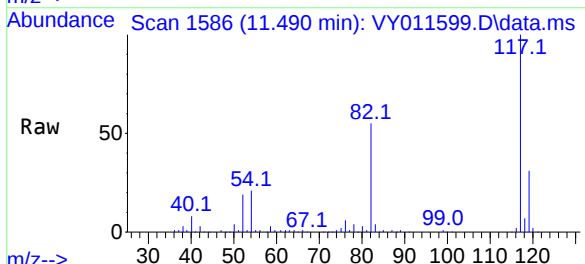
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

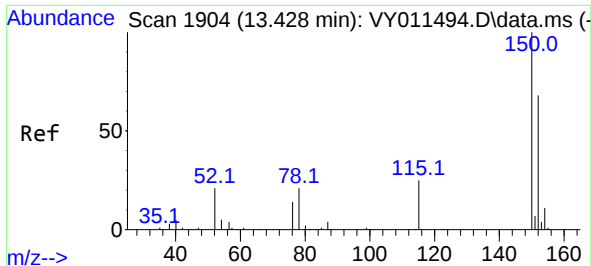
Tgt Ion: 95 Resp: 91476
Ion Ratio Lower Upper
95 100
174 86.9 0.0 177.0
176 82.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011599.D
Acq: 28 Nov 2022 13:36

Tgt Ion: 117 Resp: 234257
Ion Ratio Lower Upper
117 100
82 55.2 43.0 64.4
119 30.8 25.4 38.0

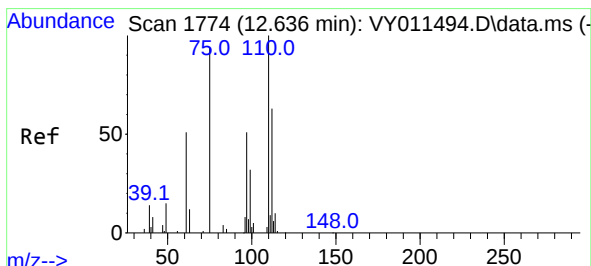
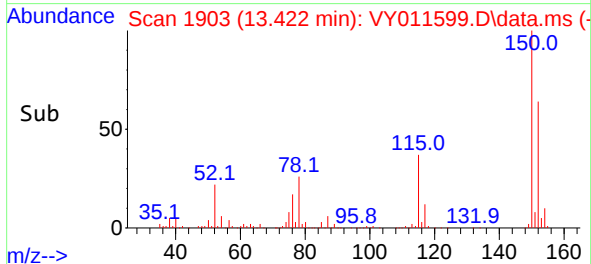
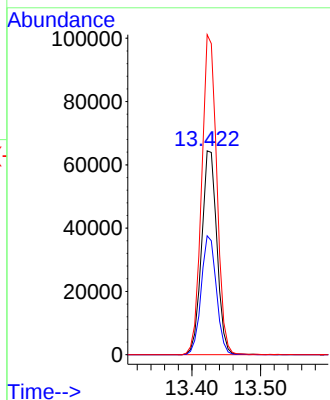
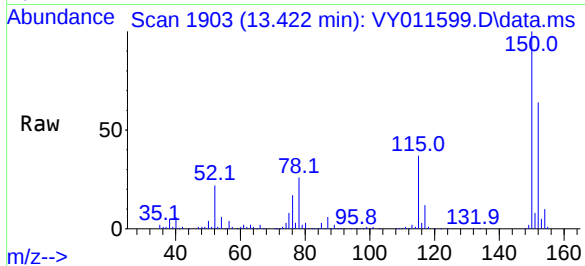




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY011599.D
 Acq: 28 Nov 2022 13:36

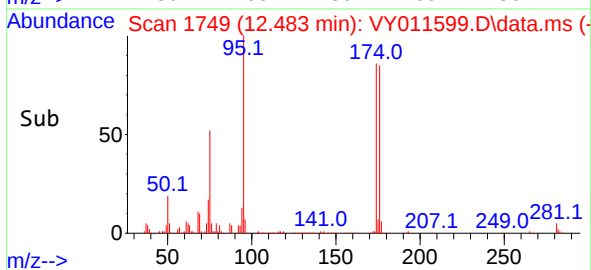
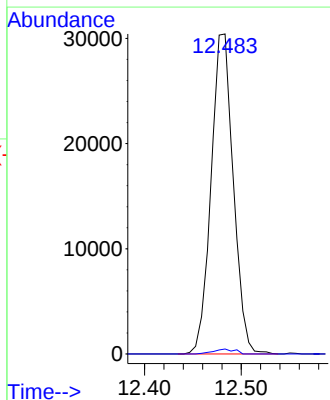
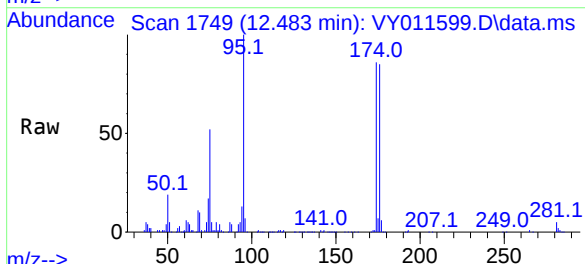
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

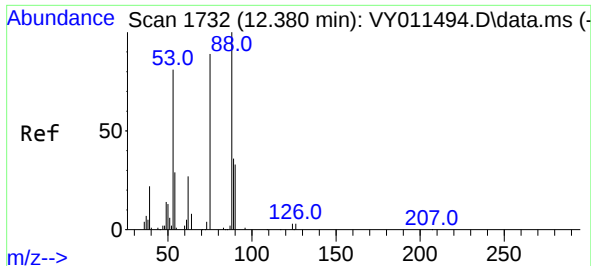
Tgt Ion:152 Resp: 99898
 Ion Ratio Lower Upper
 152 100
 115 58.1 28.2 84.7
 150 155.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 45.133 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011599.D
 Acq: 28 Nov 2022 13:36

Tgt Ion: 75 Resp: 48556
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

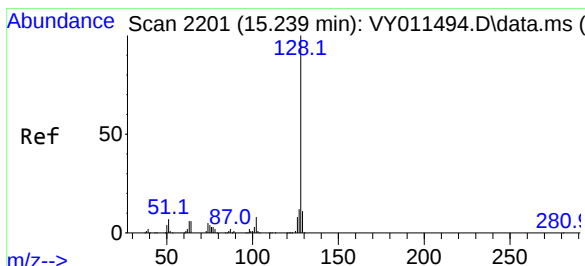
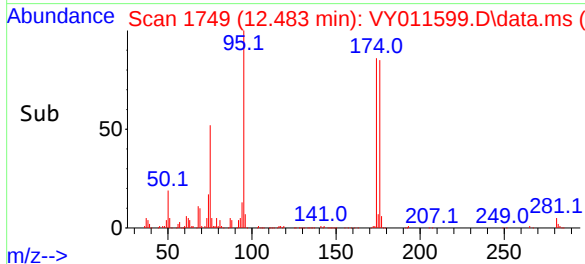
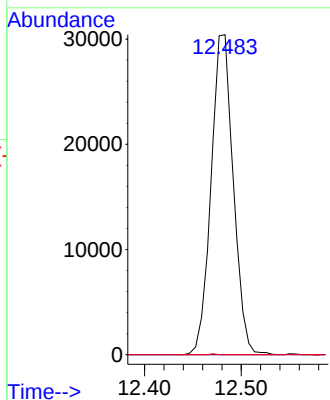
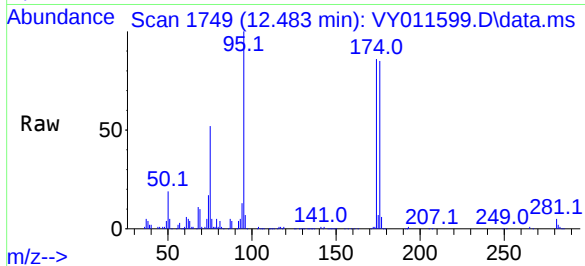




#81
trans-1,4-Dichloro-2-butene
Concen: 98.857 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011599.D
Acq: 28 Nov 2022 13:36

Instrument :
MSVOA_Y
ClientSampleId :
TP-2

Tgt Ion: 75 Resp: 48556
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.158 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011599.D
Acq: 28 Nov 2022 13:36

Tgt Ion: 128 Resp: 529
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

