

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112822\
 Data File : VY011603.D
 Acq On : 28 Nov 2022 16:33
 Operator : KP/MD
 Sample : N5795-01RE
 Misc : 3.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-10

Quant Time: Nov 29 00:26:05 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)

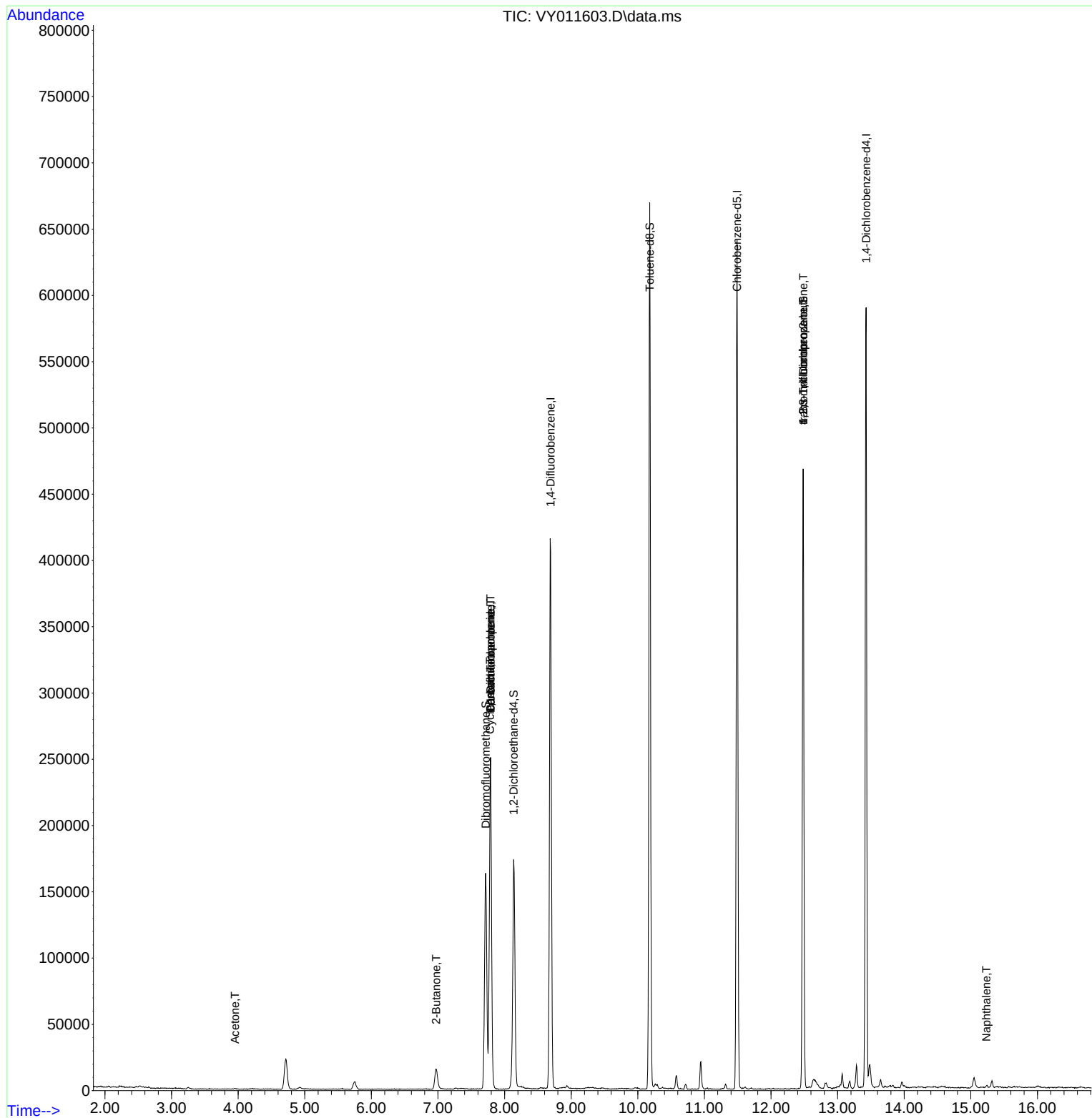
Internal Standards						
1) Pentafluorobenzene	7.789	168	186492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	346623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	337524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128755	67.994	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.980%	
35) Dibromofluoromethane	7.715	113	114430	53.628	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.260%	
50) Toluene-d8	10.178	98	427849	55.178	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.360%	
62) 4-Bromofluorobenzene	12.483	95	140354	48.957	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.920%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.899	85	207	Below Cal	#	43
3) Chloromethane	2.113	50	193	Below Cal	#	44
5) Bromomethane	2.655	94	124	Below Cal	#	4
11) Tert butyl alcohol	4.929	59	1720	Below Cal	#	77
16) Acetone	3.954	43	940	1.528	ug/l #	73
18) Methyl Acetate	4.472	43	303	Below Cal	#	56
20) Methylene Chloride	4.716	84	16874	Below Cal		89
25) 2-Butanone	6.972	43	838	1.037	ug/l #	54
31) Cyclohexane	7.782	56	4432	1.412	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	15202	4.558	ug/l #	51
38) Carbon Tetrachloride	7.789	117	19178	5.139	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	73229	45.484	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	73229	99.625	ug/l #	7
95) Naphthalene	15.232	128	1484	4.278	ug/l #	93

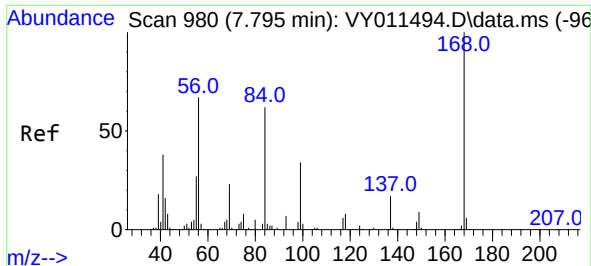
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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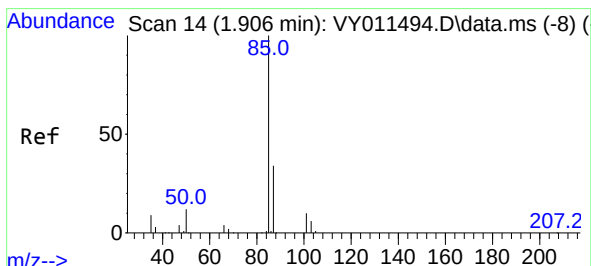
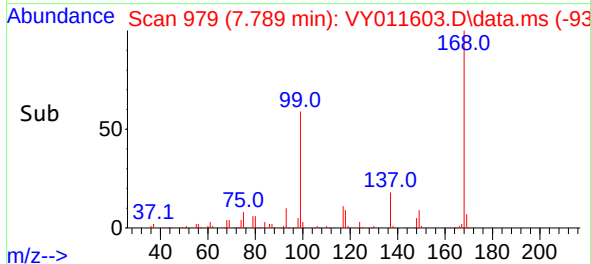
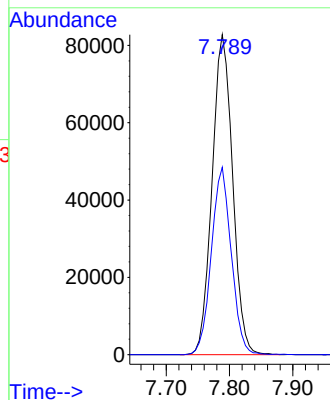
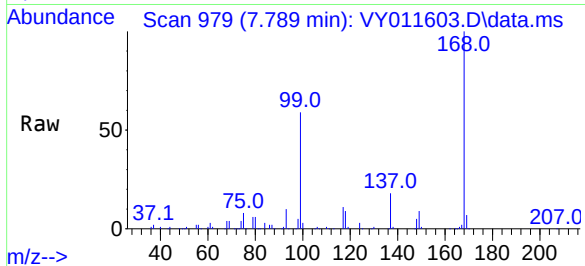




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011603.D
Acq: 28 Nov 2022 16:33

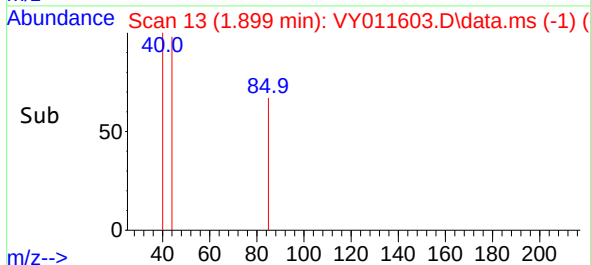
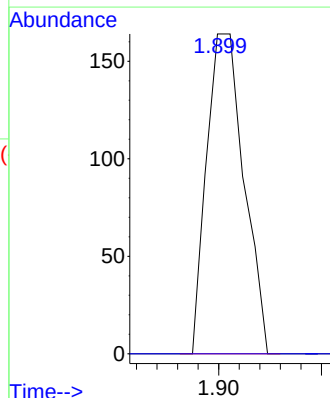
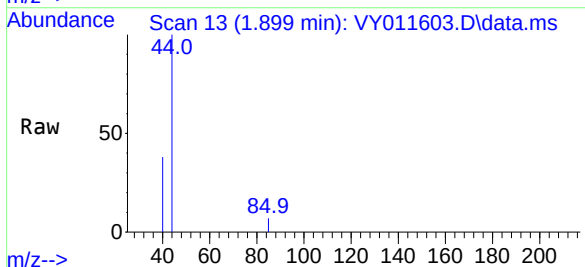
Instrument :
MSVOA_Y
ClientSampleId :
TP-10

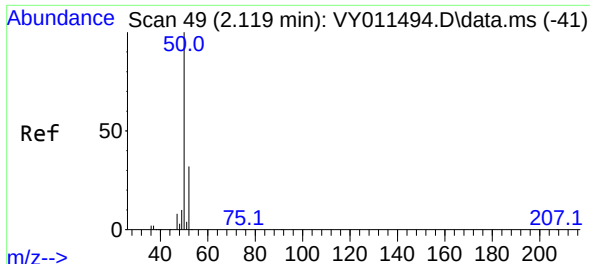
Tgt Ion:168 Resp: 186492
Ion Ratio Lower Upper
168 100
99 58.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.899 min Scan# 13
Delta R.T. -0.007 min
Lab File: VY011603.D
Acq: 28 Nov 2022 16:33

Tgt Ion: 85 Resp: 207
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

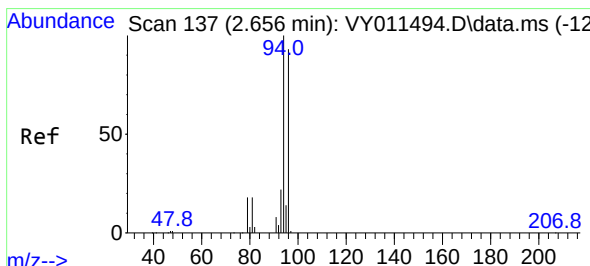
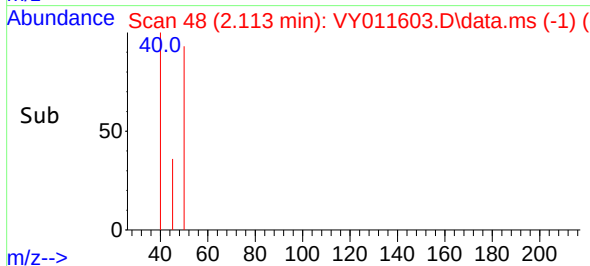
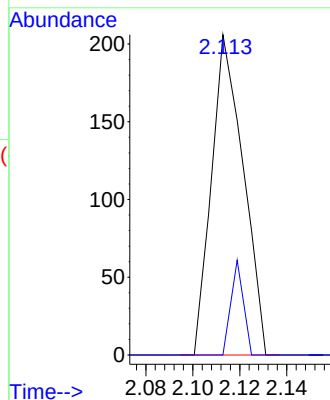
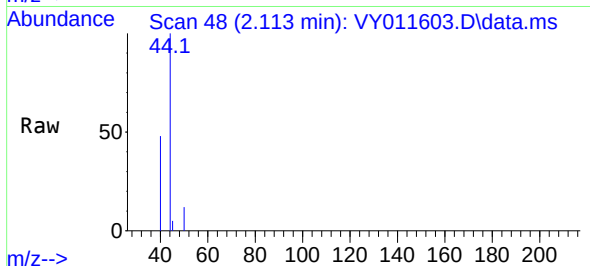




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011603.D
Acq: 28 Nov 2022 16:33

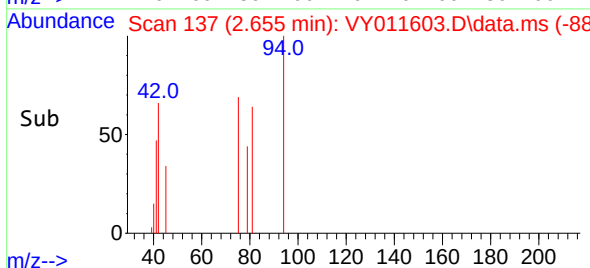
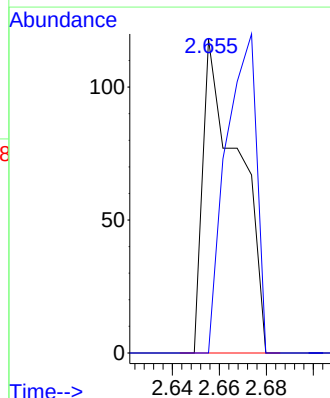
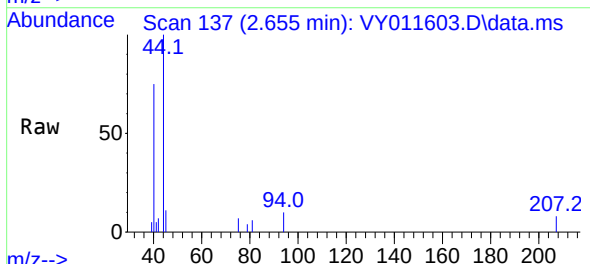
Instrument :
MSVOA_Y
ClientSampleId :
TP-10

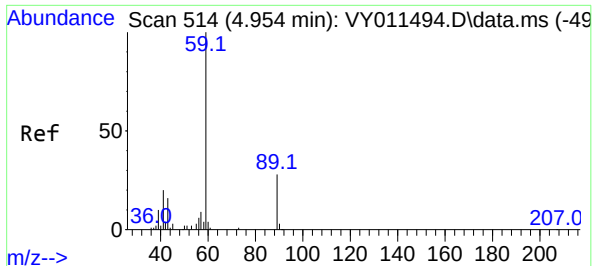
Tgt Ion: 50 Resp: 193
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.655 min Scan# 137
Delta R.T. -0.001 min
Lab File: VY011603.D
Acq: 28 Nov 2022 16:33

Tgt Ion: 94 Resp: 124
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.929 min Scan# 51

Delta R.T. -0.025 min

Lab File: VY011603.D

Acq: 28 Nov 2022 16:33

Instrument :

MSVOA_Y

ClientSampleId :

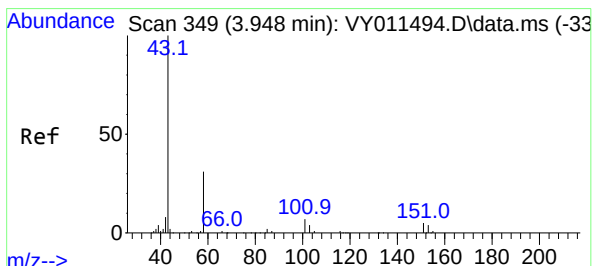
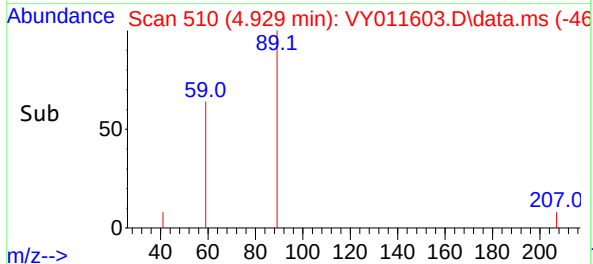
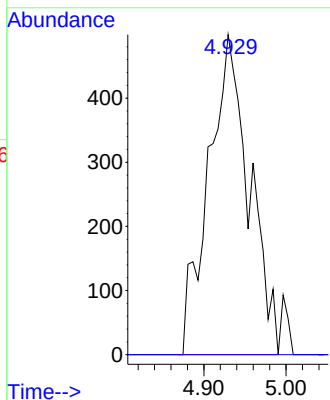
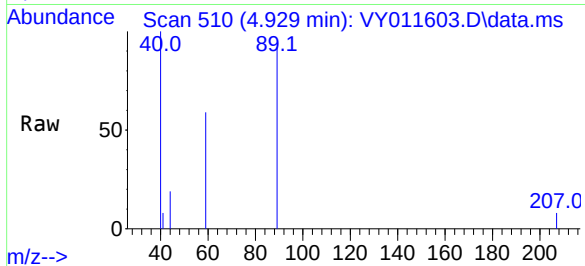
TP-10

Tgt Ion: 59 Resp: 1720

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.528 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY011603.D

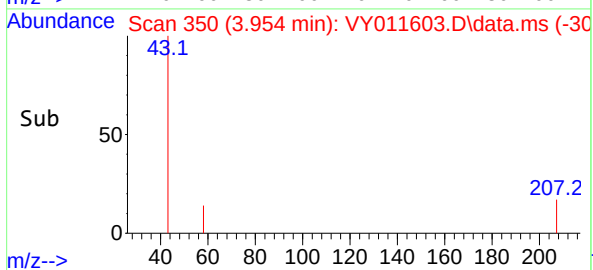
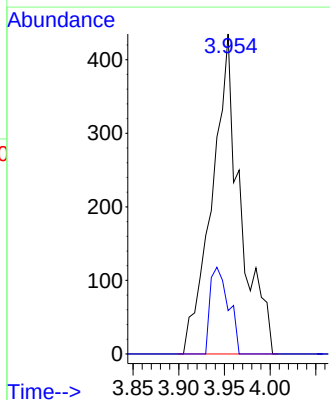
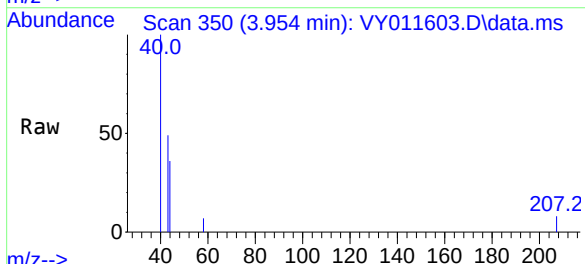
Acq: 28 Nov 2022 16:33

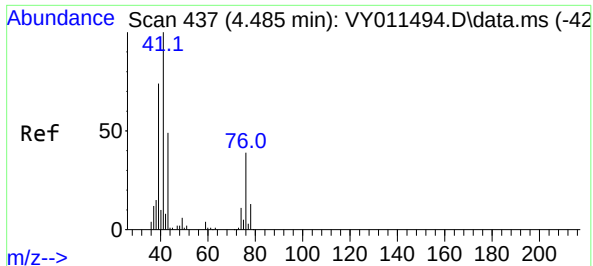
Tgt Ion: 43 Resp: 940

Ion Ratio Lower Upper

43 100

58 13.6 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.472 min Scan# 41

Delta R.T. -0.013 min

Lab File: VY011603.D

Acq: 28 Nov 2022 16:33

Instrument :

MSVOA_Y

ClientSampleId :

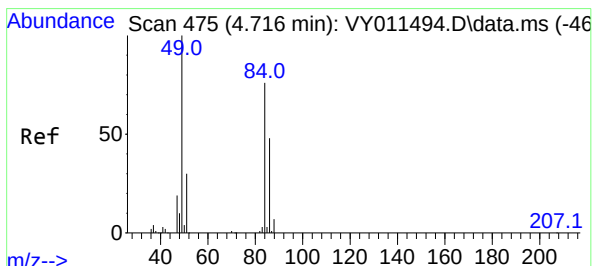
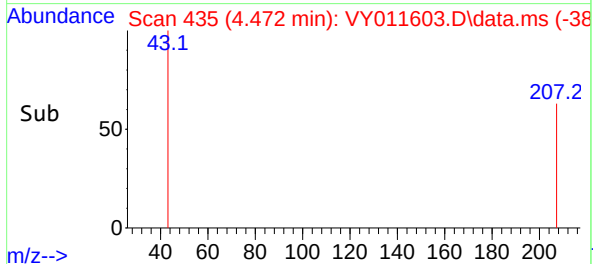
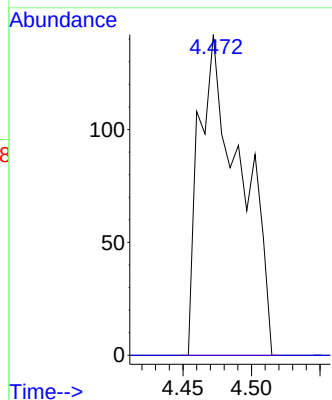
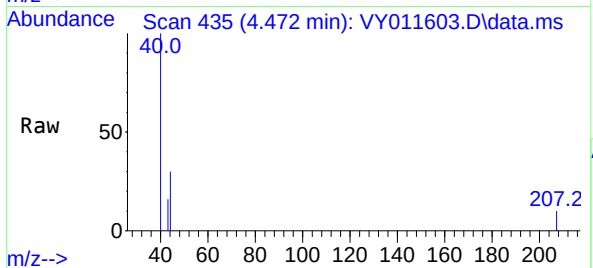
TP-10

Tgt Ion: 43 Resp: 303

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY011603.D

Acq: 28 Nov 2022 16:33

Tgt Ion: 84 Resp: 16874

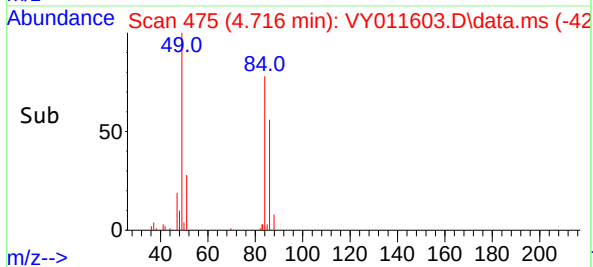
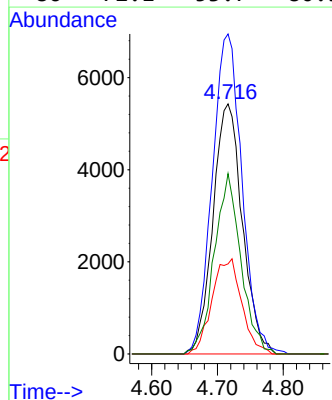
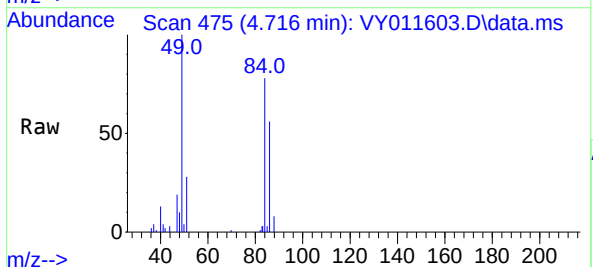
Ion Ratio Lower Upper

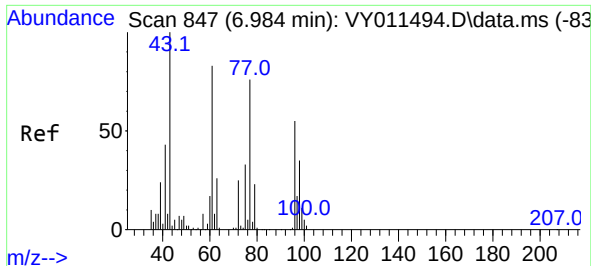
84 100

49 127.9 114.4 171.6

51 36.0 35.3 52.9

86 72.1 53.7 80.5





#25

2-Butanone

Concen: 1.037 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY011603.D

Acq: 28 Nov 2022 16:33

Instrument :

MSVOA_Y

ClientSampleId :

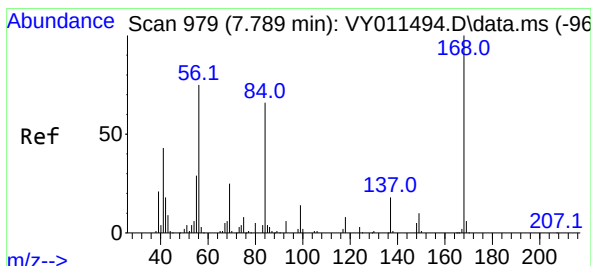
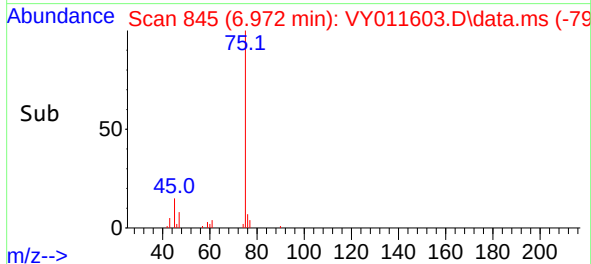
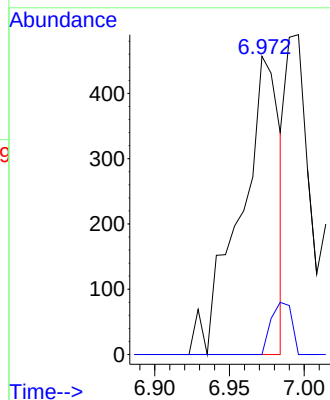
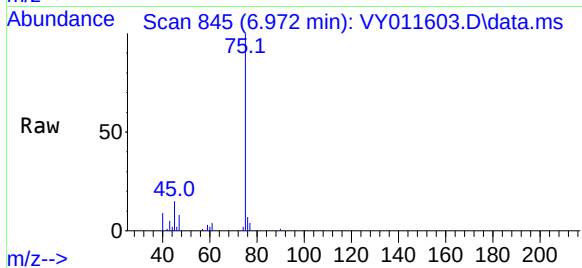
TP-10

Tgt Ion: 43 Resp: 838

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.412 ug/l

RT: 7.782 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY011603.D

Acq: 28 Nov 2022 16:33

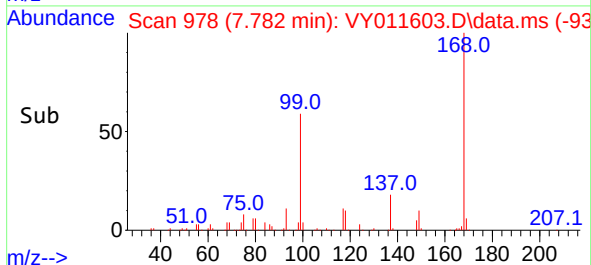
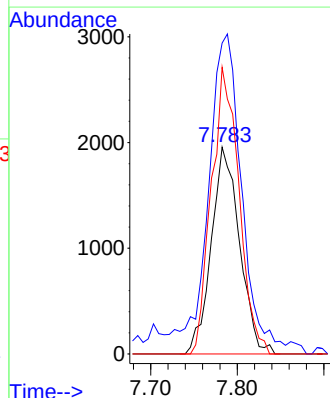
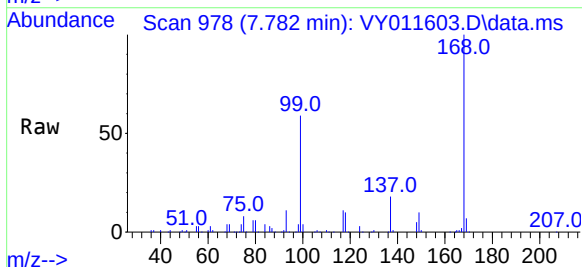
Tgt Ion: 56 Resp: 4432

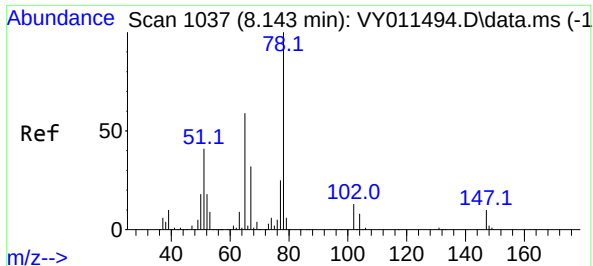
Ion Ratio Lower Upper

56 100

69 144.3 26.7 40.1#

84 138.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 67.994 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY011603.D

Acq: 28 Nov 2022 16:33

Instrument :

MSVOA_Y

ClientSampleId :

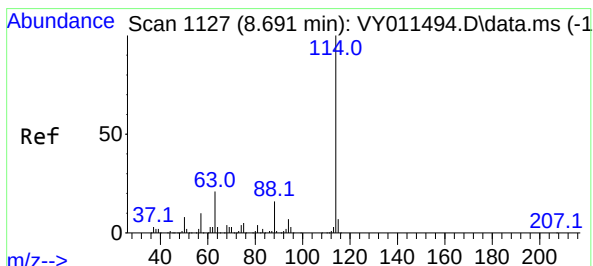
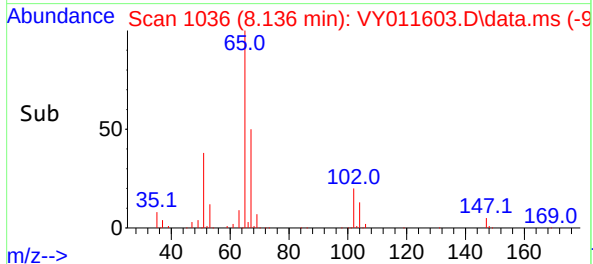
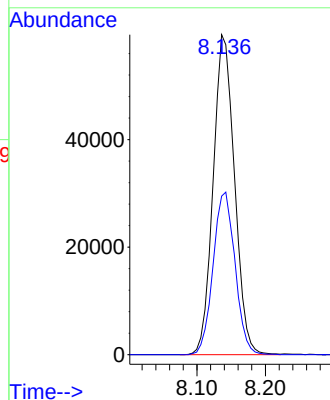
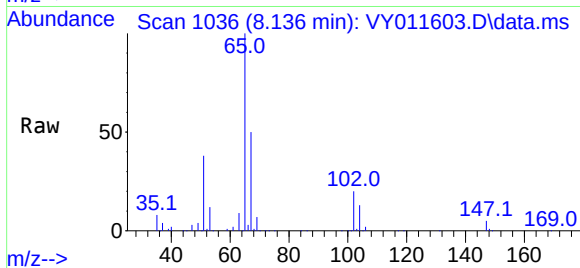
TP-10

Tgt Ion: 65 Resp: 128755

Ion Ratio Lower Upper

65 100

67 52.1 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: VY011603.D

Acq: 28 Nov 2022 16:33

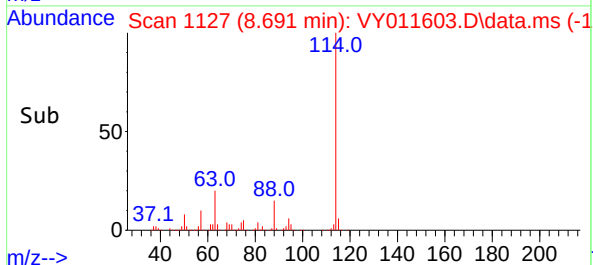
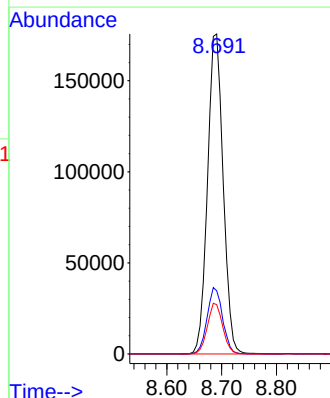
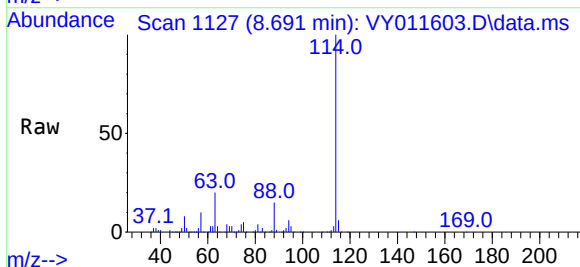
Tgt Ion: 114 Resp: 346623

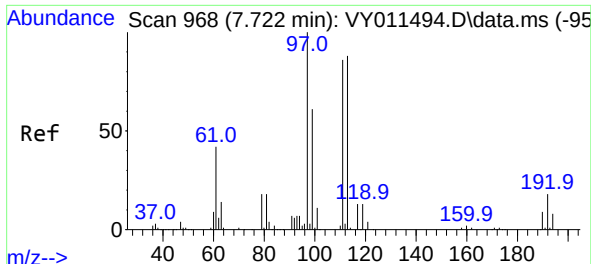
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.4 0.0 31.8

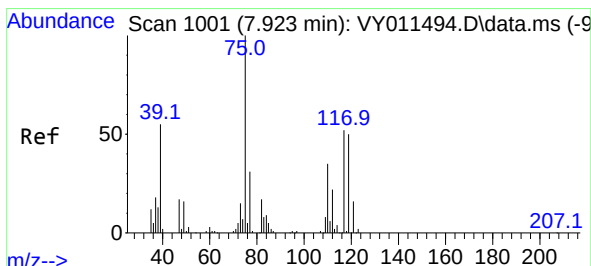
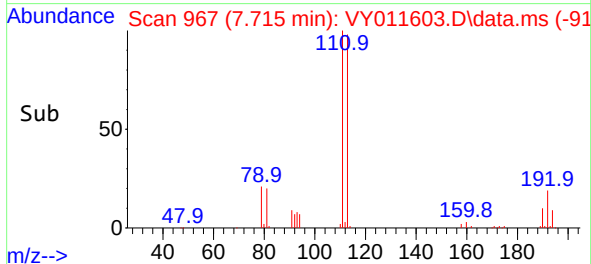
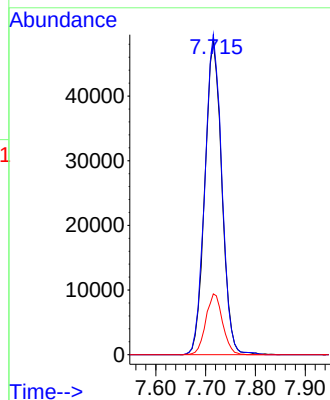
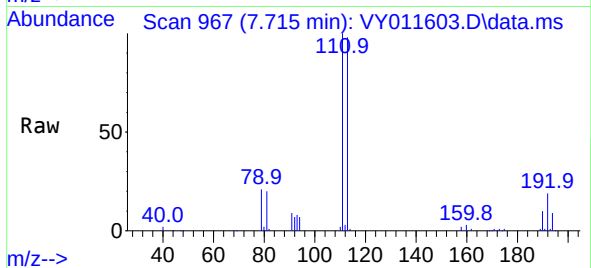




#35
Dibromofluoromethane
Concen: 53.628 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.007 min
Lab File: VY011603.D
Acq: 28 Nov 2022 16:33

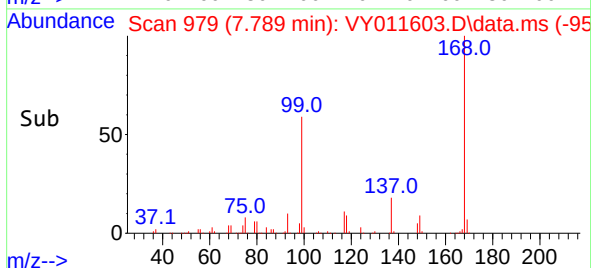
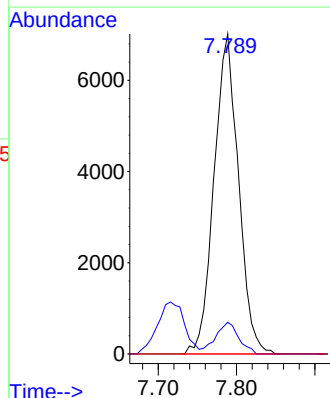
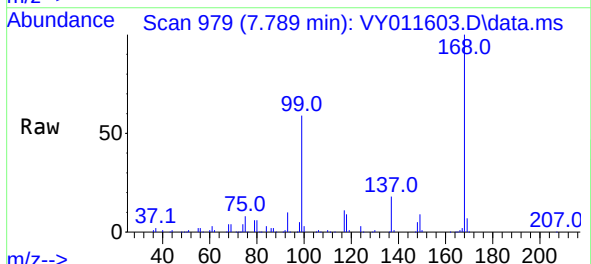
Instrument :
MSVOA_Y
ClientSampleId :
TP-10

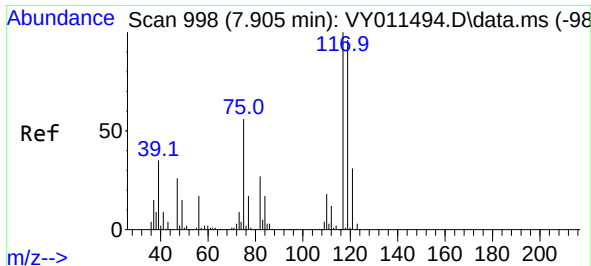
Tgt Ion:113 Resp: 114430
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.558 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011603.D
Acq: 28 Nov 2022 16:33

Tgt Ion: 75 Resp: 15202
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.0 24.4 36.6#

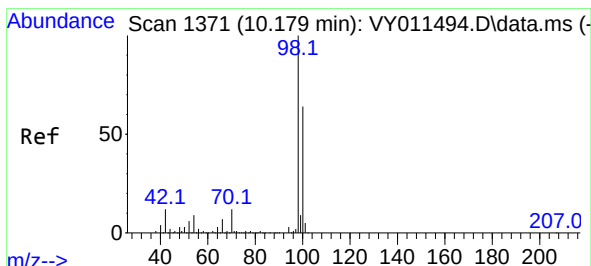
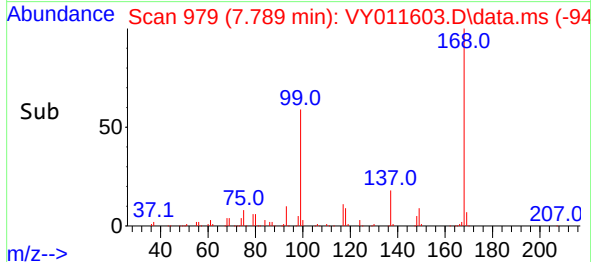
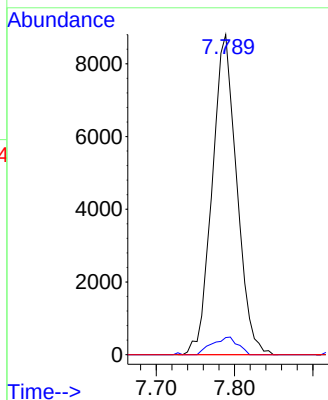
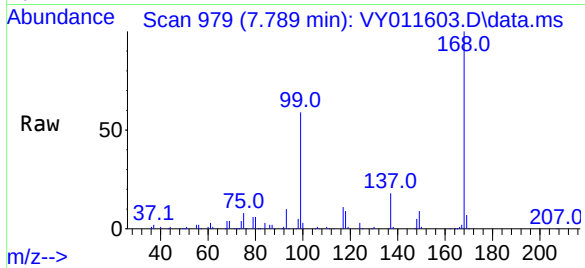




#38
Carbon Tetrachloride
Concen: 5.139 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011603.D
Acq: 28 Nov 2022 16:33

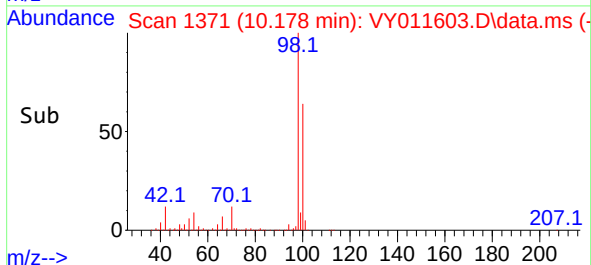
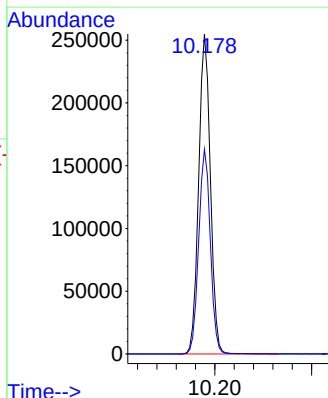
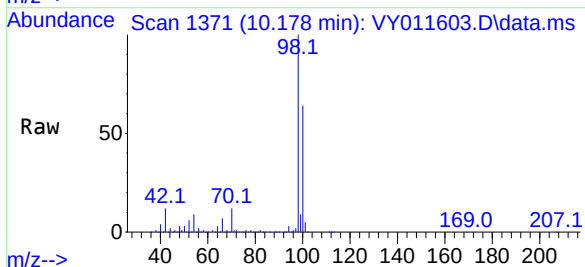
Instrument :
MSVOA_Y
ClientSampleId :
TP-10

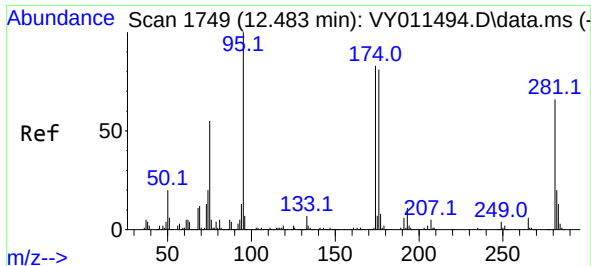
Tgt Ion:117 Resp: 19178
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.178 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY011603.D
Acq: 28 Nov 2022 16:33

Tgt Ion: 98 Resp: 427849
Ion Ratio Lower Upper
98 100
100 63.5 50.2 75.2

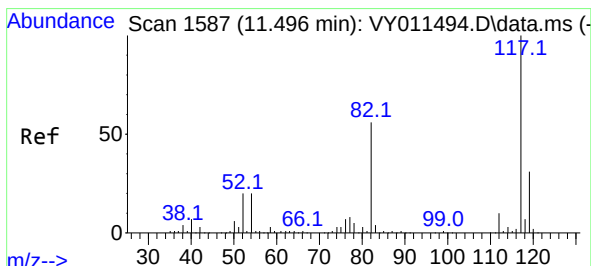
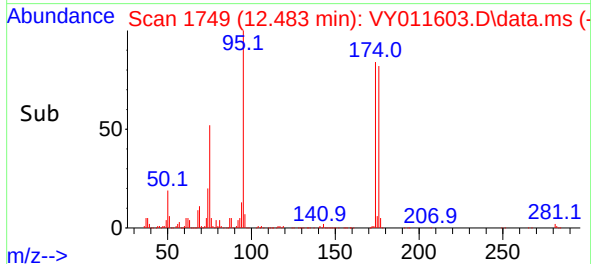
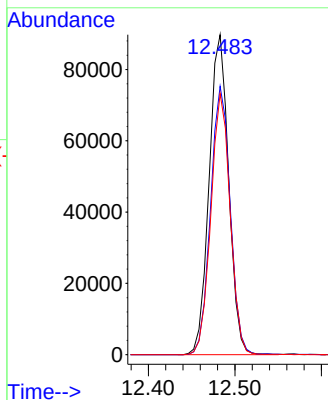
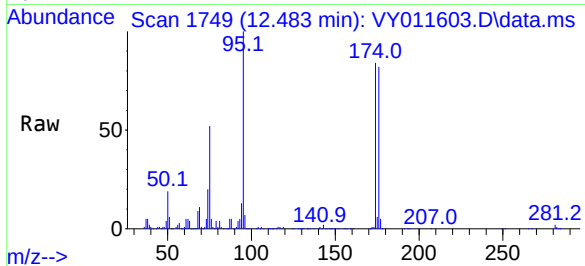




#62
4-Bromofluorobenzene
Concen: 48.957 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011603.D
Acq: 28 Nov 2022 16:33

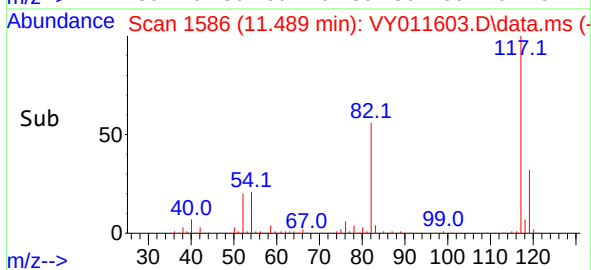
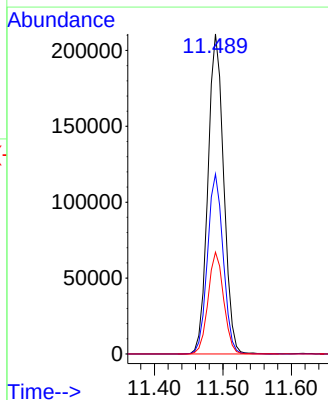
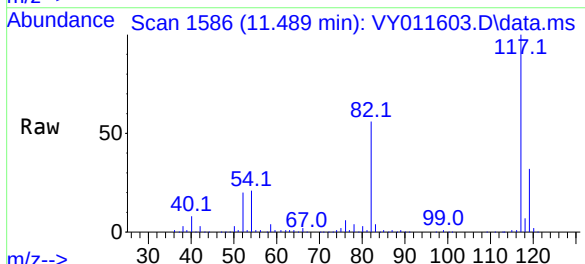
Instrument :
MSVOA_Y
ClientSampleId :
TP-10

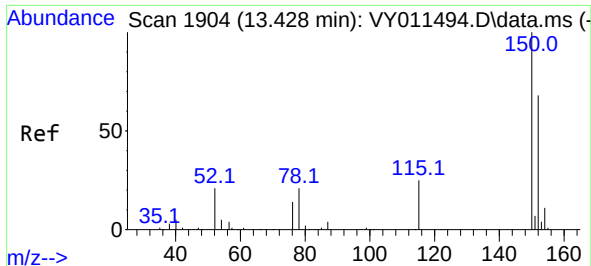
Tgt Ion: 95 Resp: 140354
Ion Ratio Lower Upper
95 100
174 84.4 0.0 177.0
176 80.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011603.D
Acq: 28 Nov 2022 16:33

Tgt Ion: 117 Resp: 337524
Ion Ratio Lower Upper
117 100
82 56.2 43.0 64.4
119 31.8 25.4 38.0

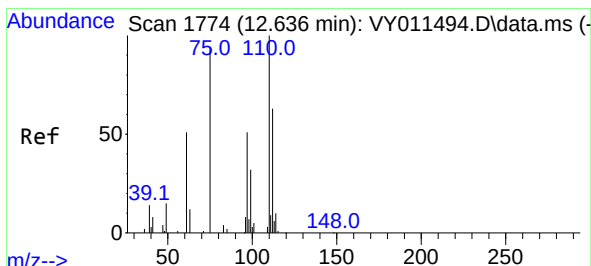
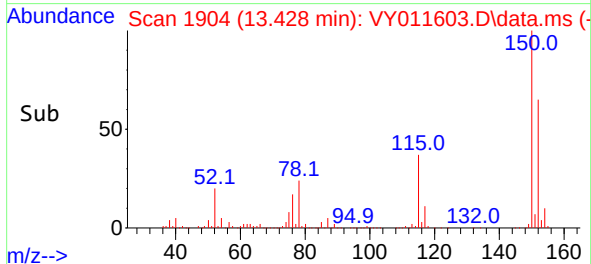
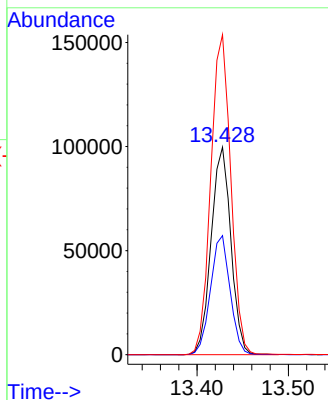
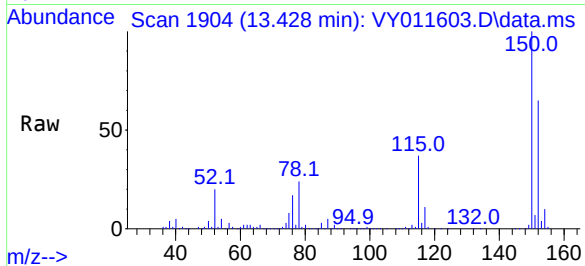




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VY011603.D
Acq: 28 Nov 2022 16:33

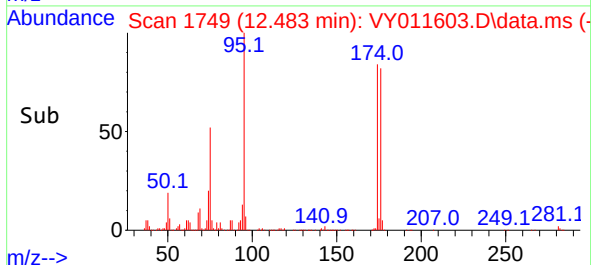
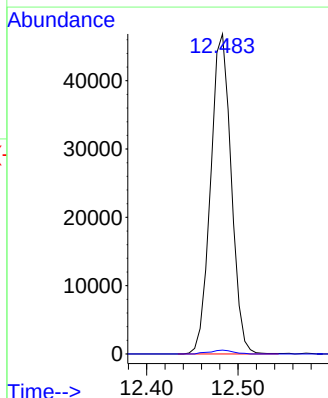
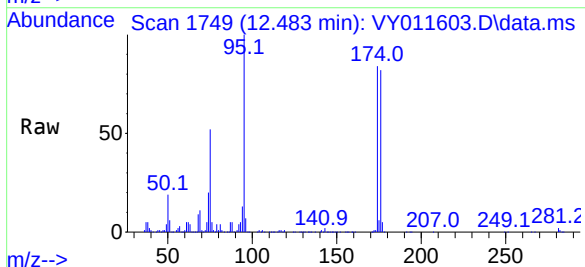
Instrument :
MSVOA_Y
ClientSampleId :
TP-10

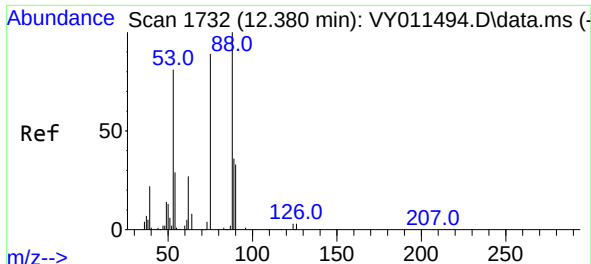
Tgt Ion:152 Resp: 149499
Ion Ratio Lower Upper
152 100
115 57.0 28.2 84.7
150 156.3 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 45.484 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011603.D
Acq: 28 Nov 2022 16:33

Tgt Ion: 75 Resp: 73229
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

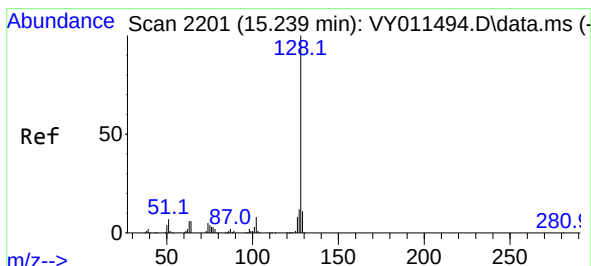
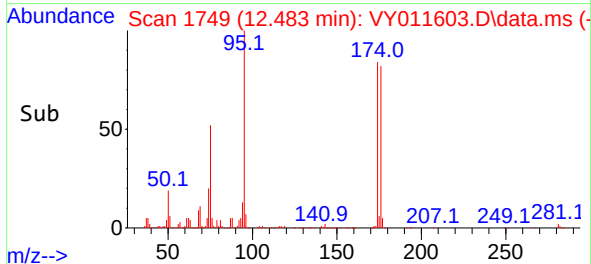
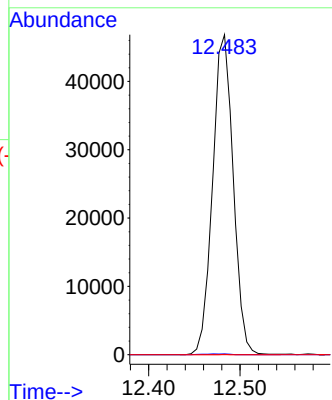
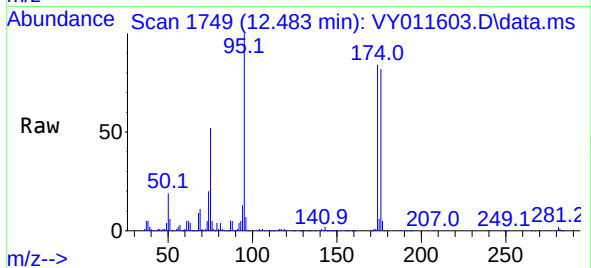




#81
trans-1,4-Dichloro-2-butene
Concen: 99.625 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011603.D
Acq: 28 Nov 2022 16:33

Instrument :
MSVOA_Y
ClientSampleId :
TP-10

Tgt Ion: 75 Resp: 73229
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.278 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.007 min
Lab File: VY011603.D
Acq: 28 Nov 2022 16:33

Tgt Ion: 128 Resp: 1484
Ion Ratio Lower Upper
128 100
127 9.0 11.0 16.4#
129 10.8 8.4 12.6

