

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022522\
 Data File : VY007640.D
 Acq On : 25 Feb 2022 16:35
 Operator : SY/MD
 Sample : N1664-13
 Misc : 5.16g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

Quant Time: Feb 27 23:58:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

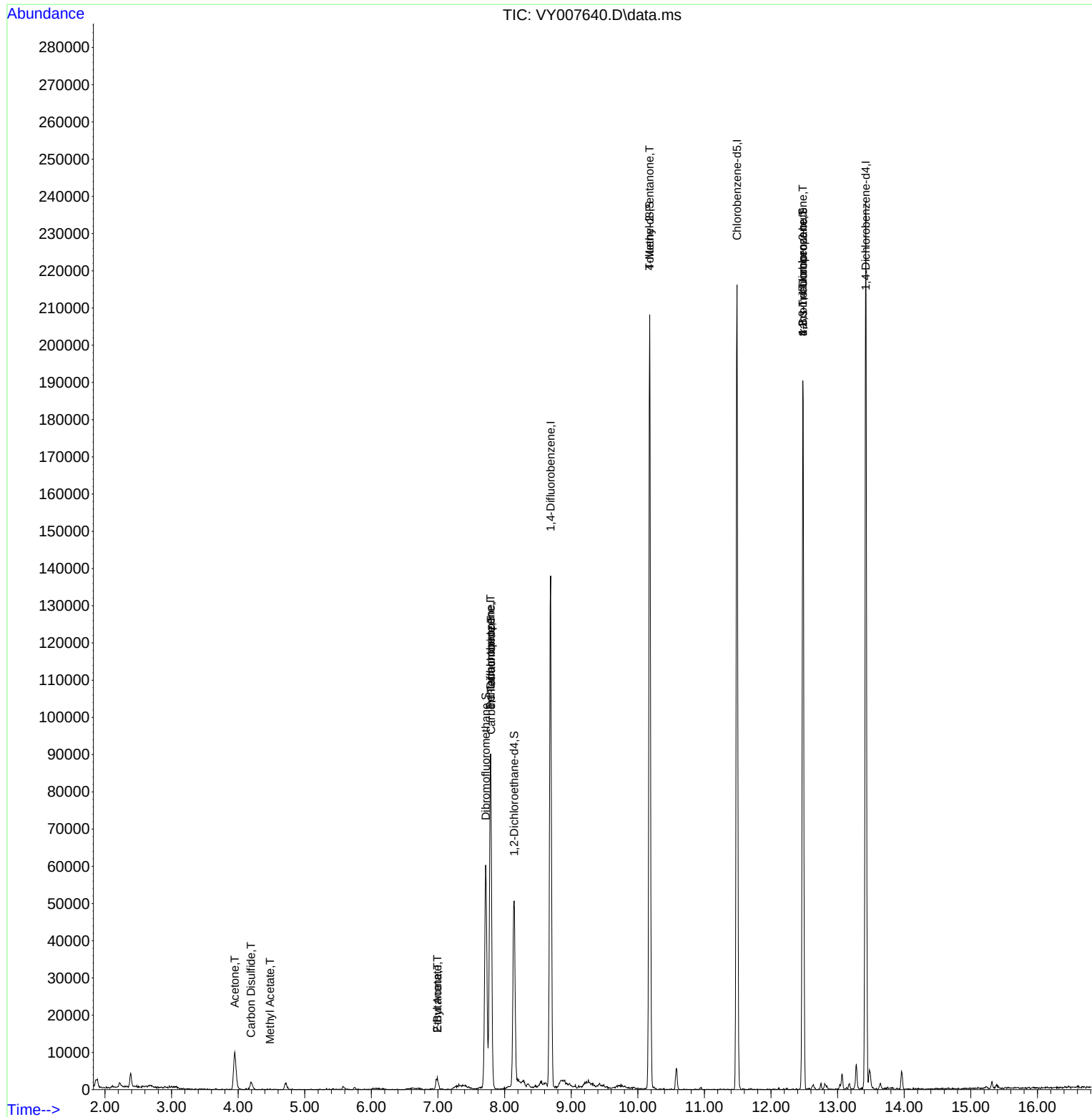
Internal Standards						
1) Pentafluorobenzene	7.789	168	68731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	115966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	116135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	56700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	40804	53.366	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.740%	
35) Dibromofluoromethane	7.716	113	36938	50.480	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.960%	
50) Toluene-d8	10.179	98	134413	49.676	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.360%	
62) 4-Bromofluorobenzene	12.477	95	49737	53.756	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	132	Below Cal		88
16) Acetone	3.948	43	16462	94.537	ug/l #	86
17) Carbon Disulfide	4.192	76	3756	1.947	ug/l #	83
18) Methyl Acetate	4.479	43	49	1.370	ug/l #	56
20) Methylene Chloride	4.710	84	1455	Below Cal	#	65
25) 2-Butanone	6.990	43	4447	22.525	ug/l #	59
31) Cyclohexane	7.795	56	1313	Below Cal	#	34
36) 1,1-Dichloropropene	7.789	75	5002	4.744	ug/l #	53
37) Ethyl Acetate	6.990	43	4447	9.368	ug/l #	72
38) Carbon Tetrachloride	7.795	117	7472	4.839	ug/l #	13
51) 4-Methyl-2-Pentanone	10.179	43	616	1.262	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	30322	53.470	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	30322	114.969	ug/l #	7

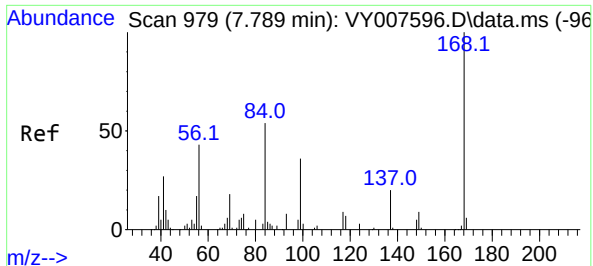
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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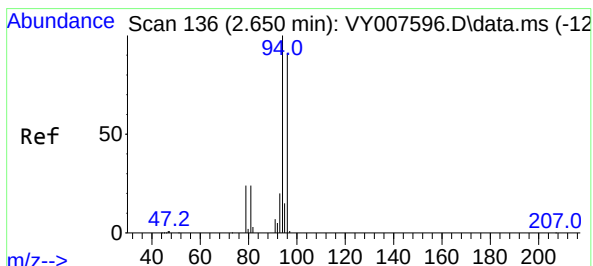
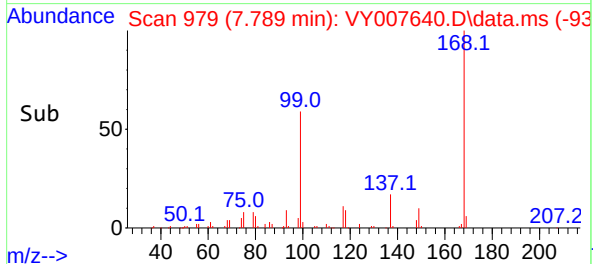
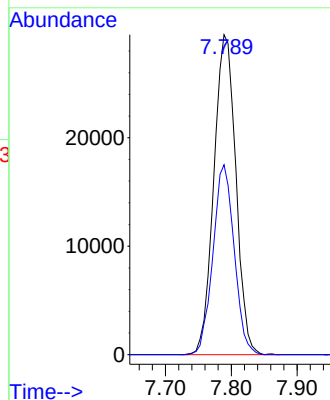
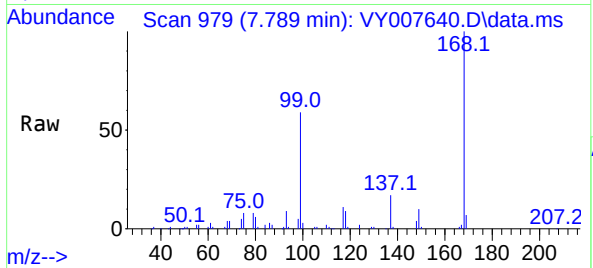




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007640.D
Acq: 25 Feb 2022 16:35

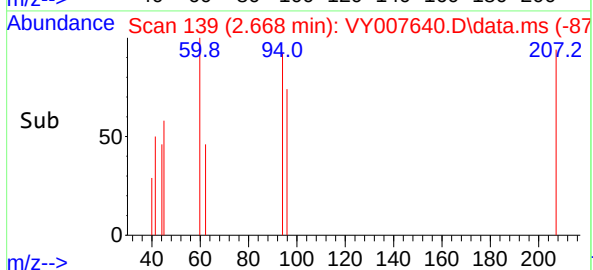
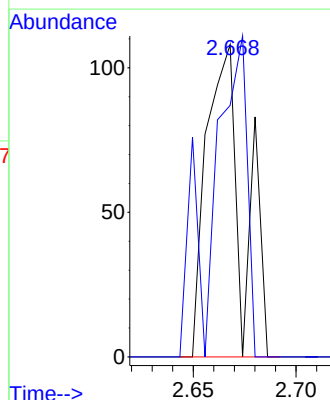
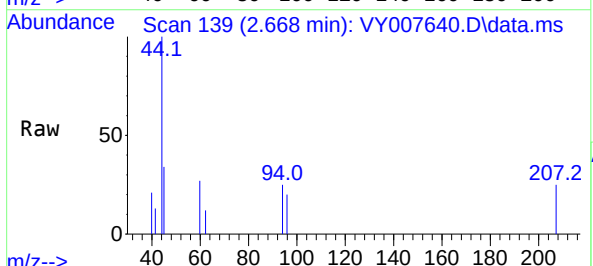
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

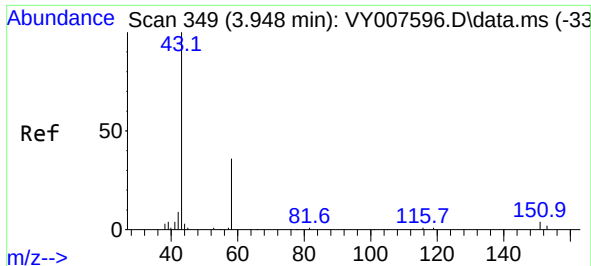
Tgt Ion:168 Resp: 68731
Ion Ratio Lower Upper
168 100
99 59.3 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY007640.D
Acq: 25 Feb 2022 16:35

Tgt Ion: 94 Resp: 132
Ion Ratio Lower Upper
94 100
96 80.6 73.5 110.3

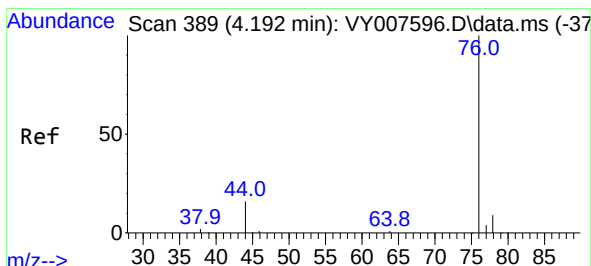
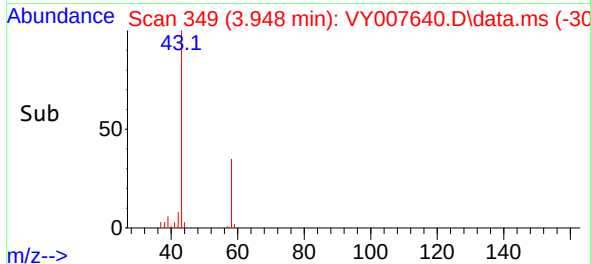
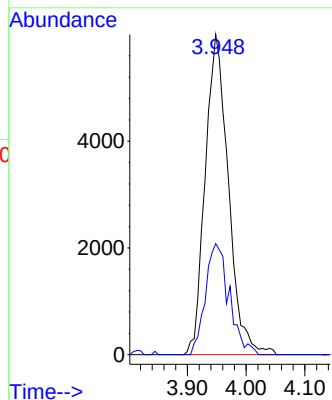
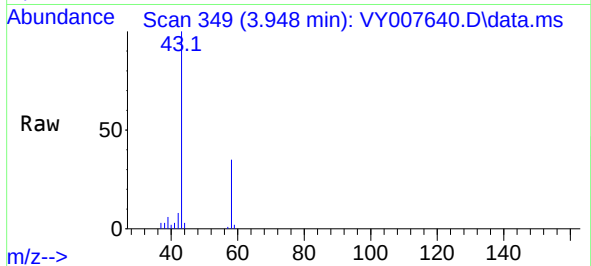




#16
Acetone
Concen: 94.537 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007640.D
Acq: 25 Feb 2022 16:35

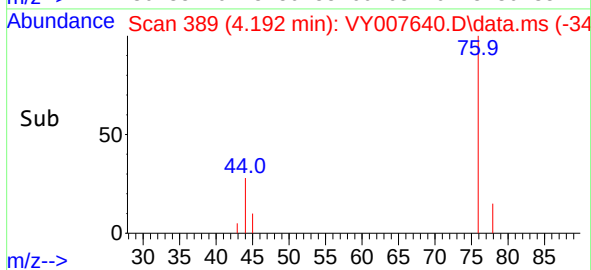
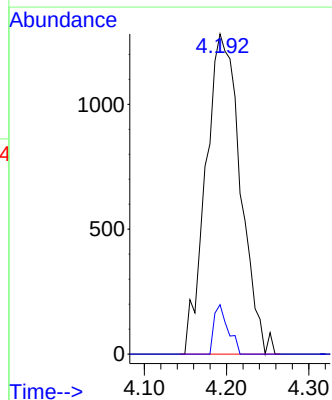
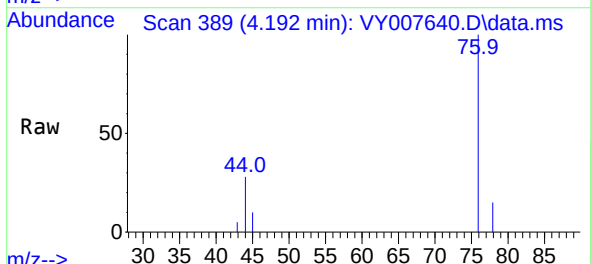
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

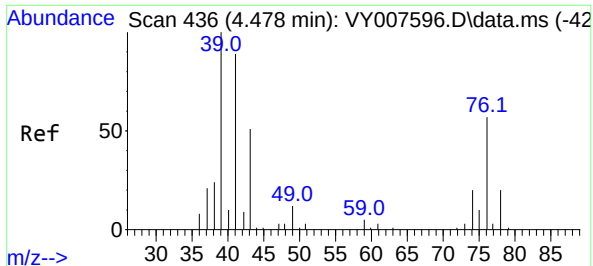
Tgt Ion: 43 Resp: 16462
Ion Ratio Lower Upper
43 100
58 34.7 22.0 33.0#



#17
Carbon Disulfide
Concen: 1.947 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY007640.D
Acq: 25 Feb 2022 16:35

Tgt Ion: 76 Resp: 3756
Ion Ratio Lower Upper
76 100
78 15.4 7.4 11.0#

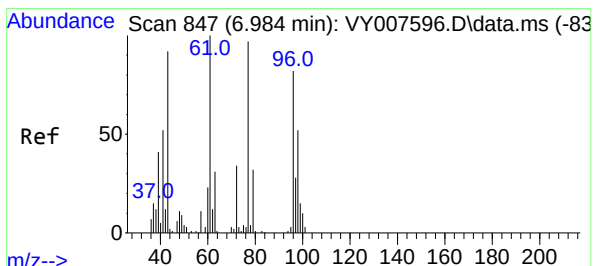
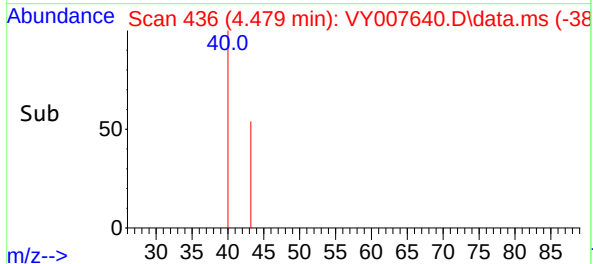
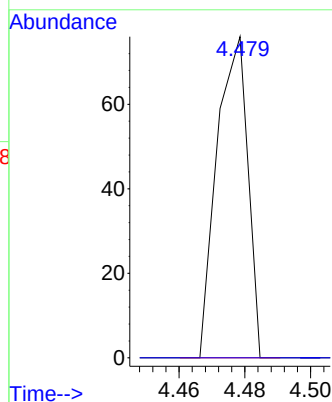
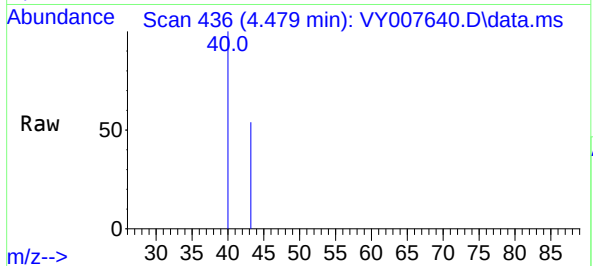




#18
Methyl Acetate
Concen: 1.370 ug/l
RT: 4.479 min Scan# 41
Delta R.T. 0.001 min
Lab File: VY007640.D
Acq: 25 Feb 2022 16:35

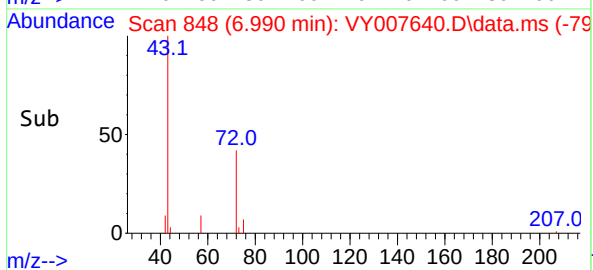
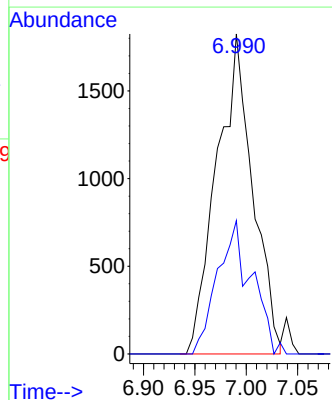
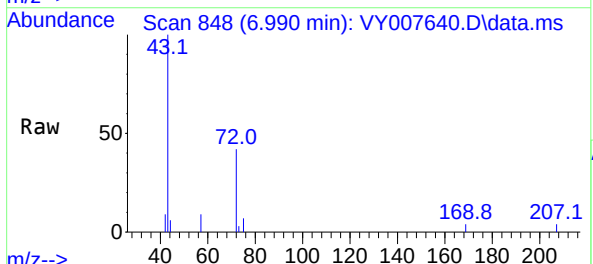
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

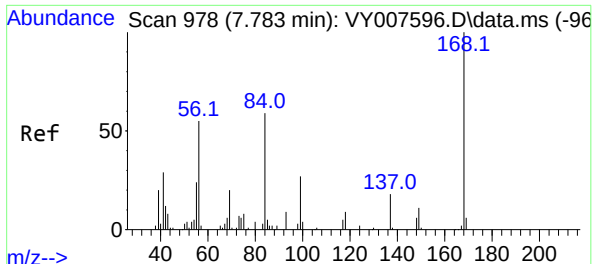
Tgt Ion: 43 Resp: 49
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#25
2-Butanone
Concen: 22.525 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY007640.D
Acq: 25 Feb 2022 16:35

Tgt Ion: 43 Resp: 4447
Ion Ratio Lower Upper
43 100
72 41.6 17.7 26.5#

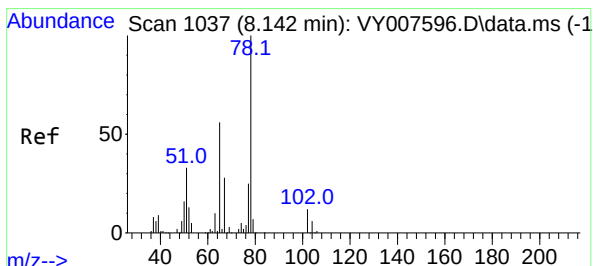
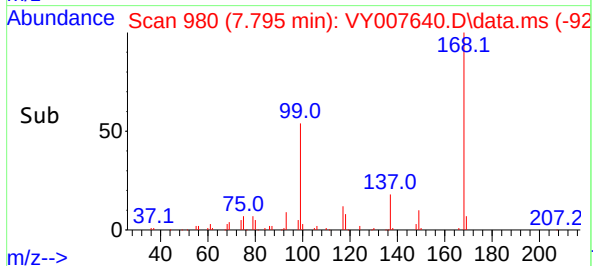
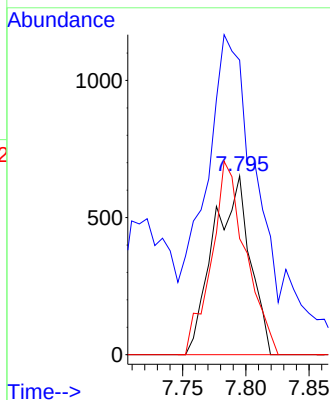
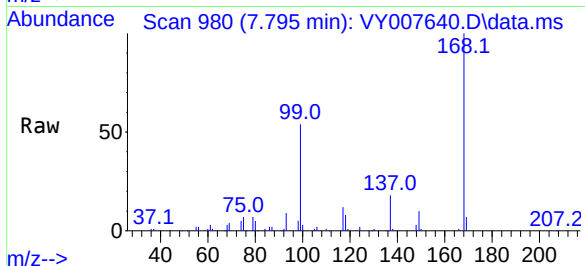




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY007640.D
Acq: 25 Feb 2022 16:35

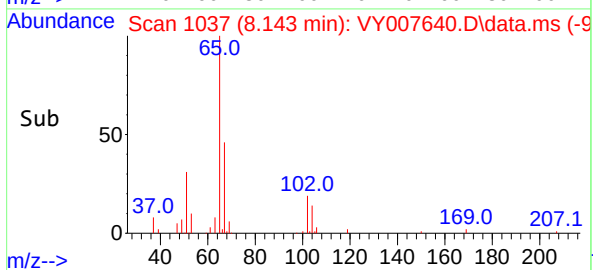
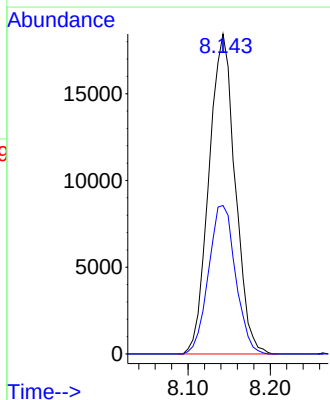
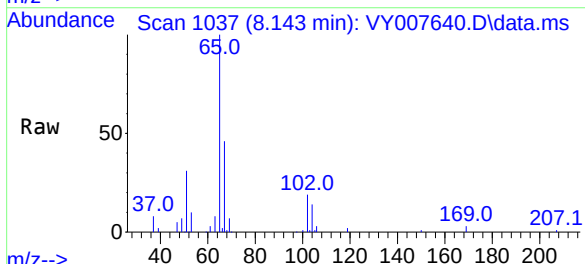
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

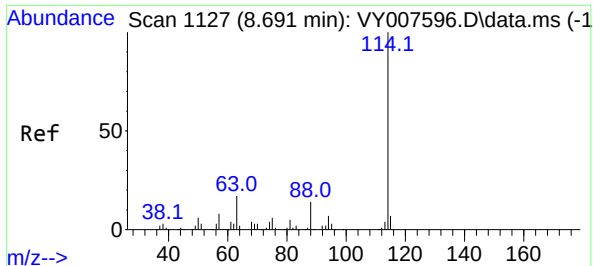
Tgt Ion: 56 Resp: 1313
Ion Ratio Lower Upper
56 100
69 135.4 26.7 40.1#
84 64.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 53.366 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY007640.D
Acq: 25 Feb 2022 16:35

Tgt Ion: 65 Resp: 40804
Ion Ratio Lower Upper
65 100
67 47.8 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: VY007640.D

Acq: 25 Feb 2022 16:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

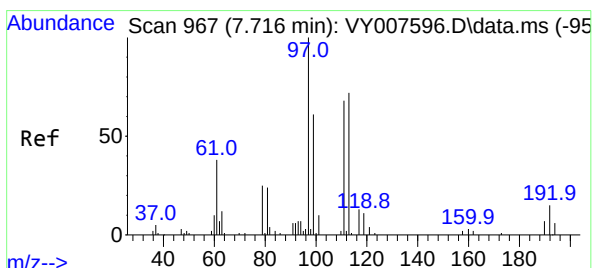
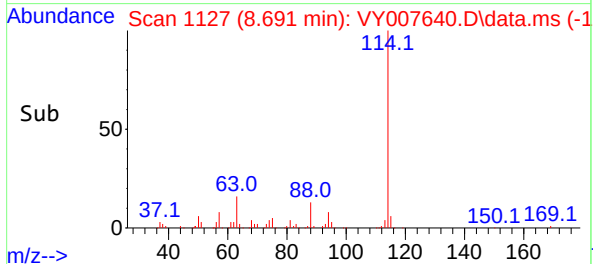
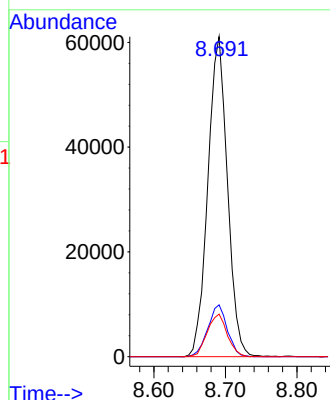
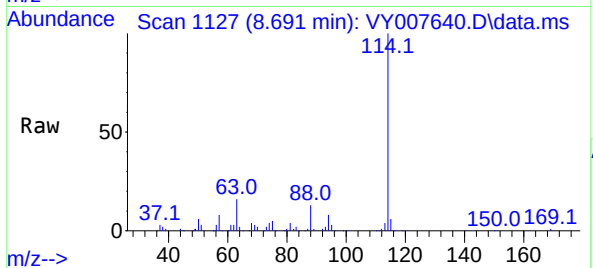
Tgt Ion:114 Resp: 115966

Ion Ratio Lower Upper

114 100

63 16.2 0.0 43.2

88 13.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.480 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007640.D

Acq: 25 Feb 2022 16:35

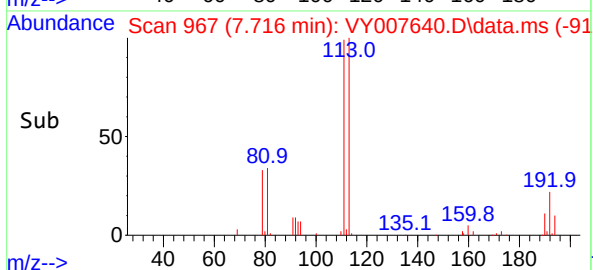
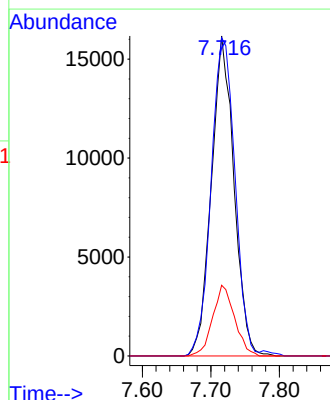
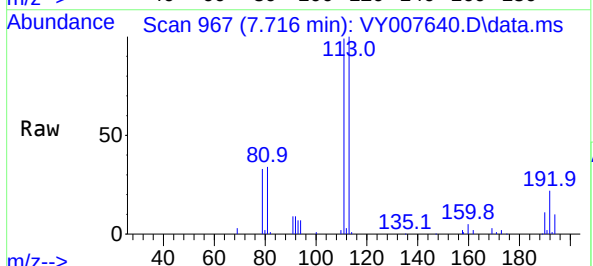
Tgt Ion:113 Resp: 36938

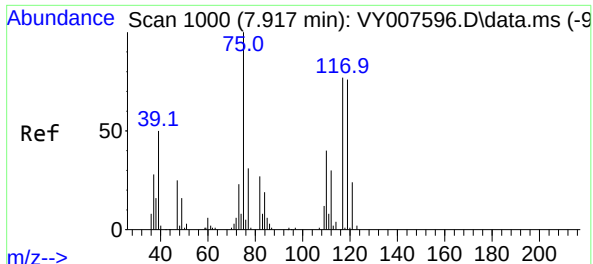
Ion Ratio Lower Upper

113 100

111 104.8 82.6 124.0

192 21.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.744 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007640.D

Acq: 25 Feb 2022 16:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

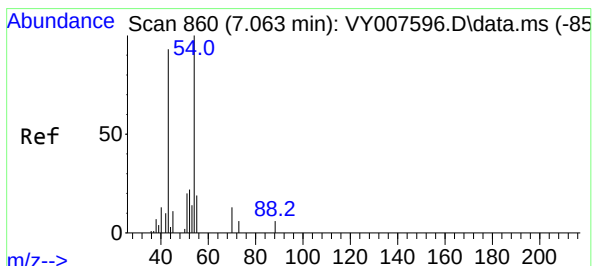
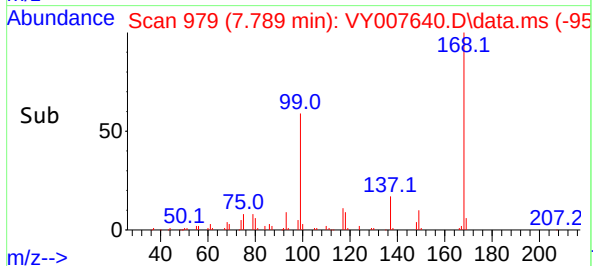
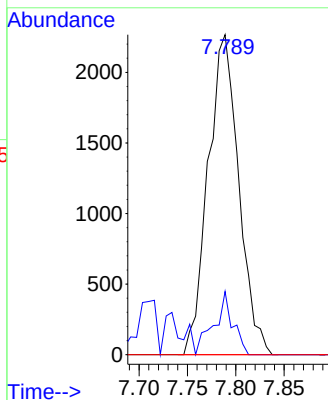
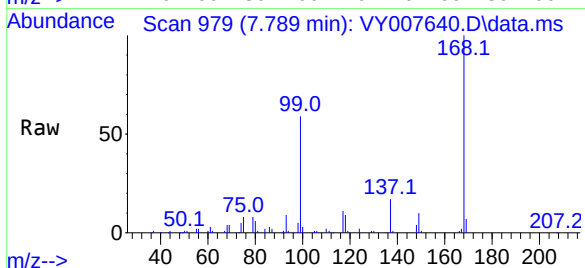
Tgt Ion: 75 Resp: 5002

Ion Ratio Lower Upper

75 100

110 12.2 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 9.368 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.073 min

Lab File: VY007640.D

Acq: 25 Feb 2022 16:35

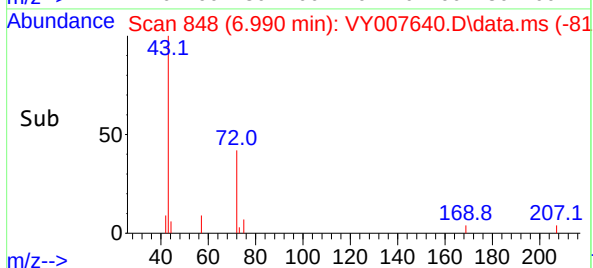
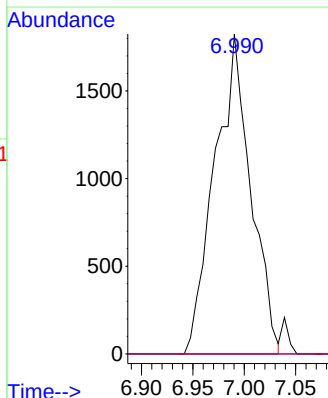
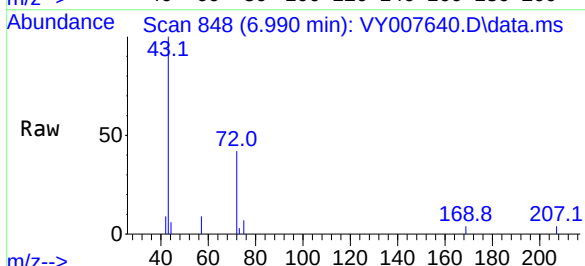
Tgt Ion: 43 Resp: 4447

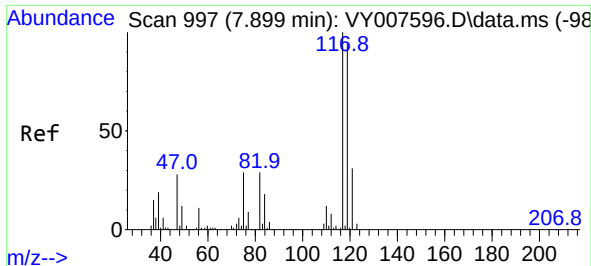
Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#

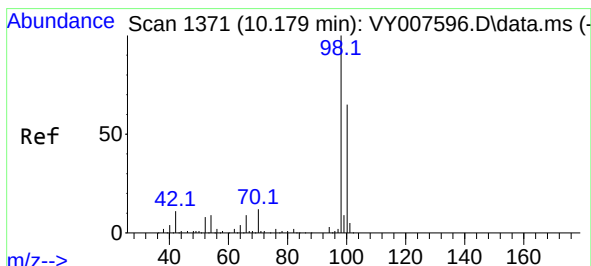
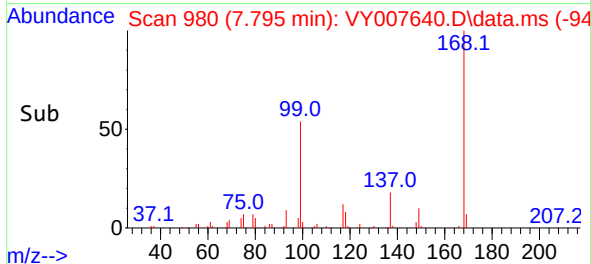
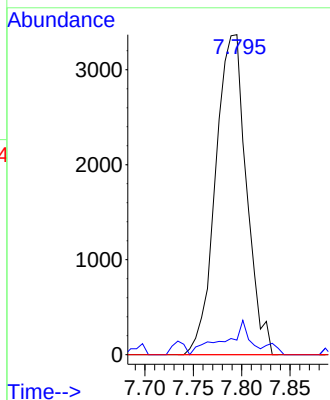
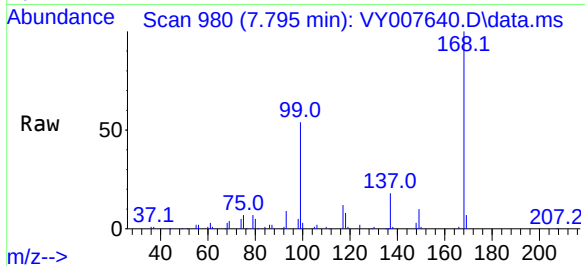




#38
Carbon Tetrachloride
Concen: 4.839 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY007640.D
Acq: 25 Feb 2022 16:35

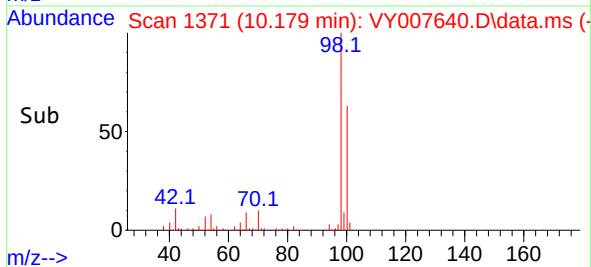
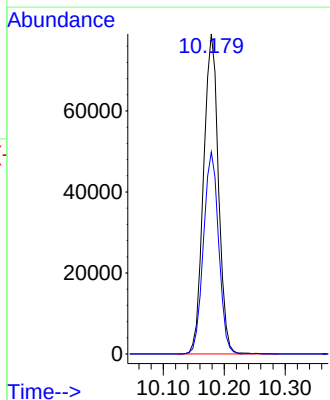
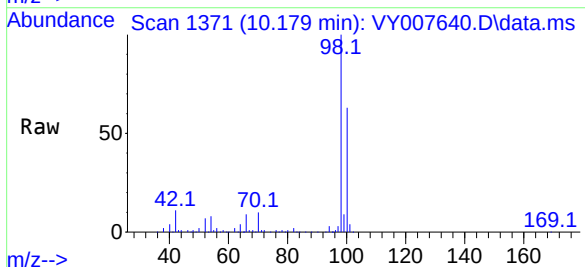
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

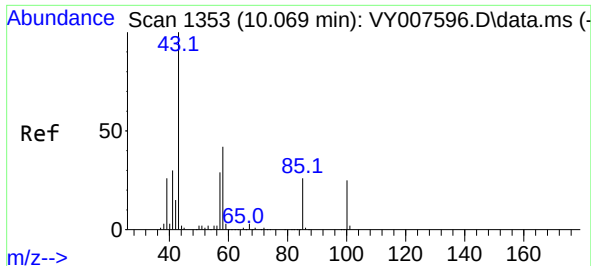
Tgt Ion:117 Resp: 7472
Ion Ratio Lower Upper
117 100
119 2.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.676 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007640.D
Acq: 25 Feb 2022 16:35

Tgt Ion: 98 Resp: 134413
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2





#51

4-Methyl-2-Pentanone

Concen: 1.262 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY007640.D

Acq: 25 Feb 2022 16:35

Instrument :

MSVOA_Y

ClientSampleId :

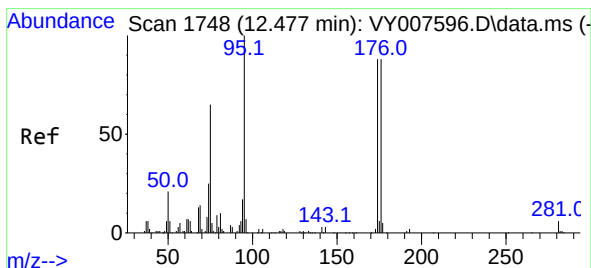
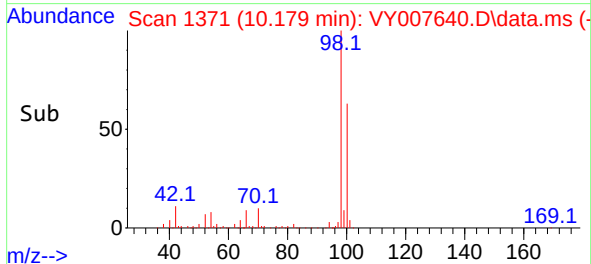
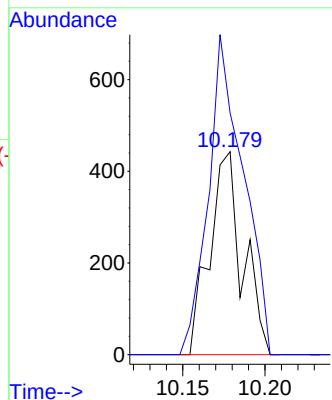
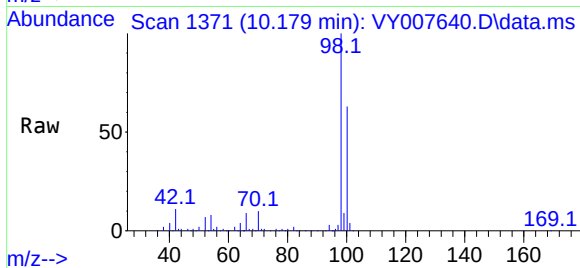
TP-5

Tgt Ion: 43 Resp: 616

Ion Ratio Lower Upper

43 100

58 167.9 28.1 42.1#



#62

4-Bromofluorobenzene

Concen: 53.756 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY007640.D

Acq: 25 Feb 2022 16:35

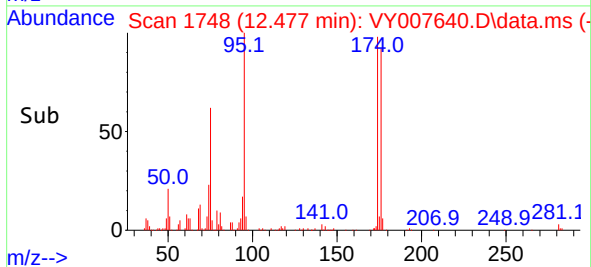
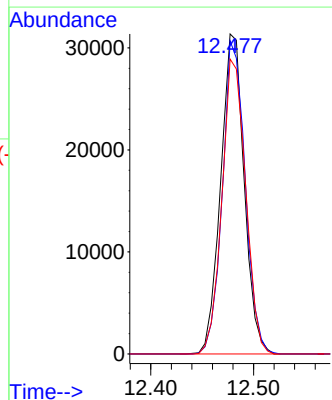
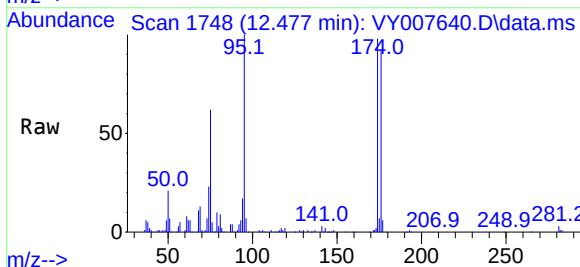
Tgt Ion: 95 Resp: 49737

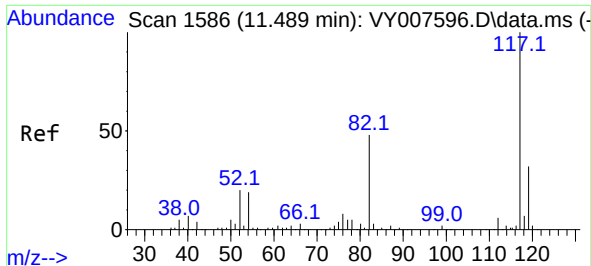
Ion Ratio Lower Upper

95 100

174 94.8 0.0 177.0

176 92.7 0.0 175.8

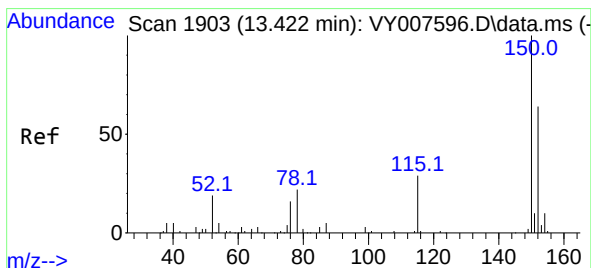
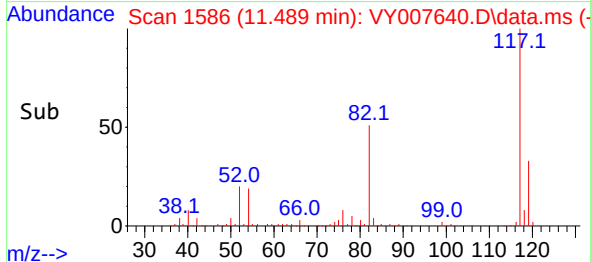
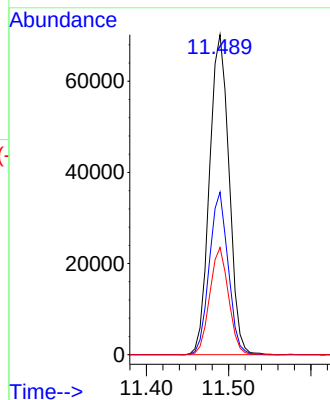
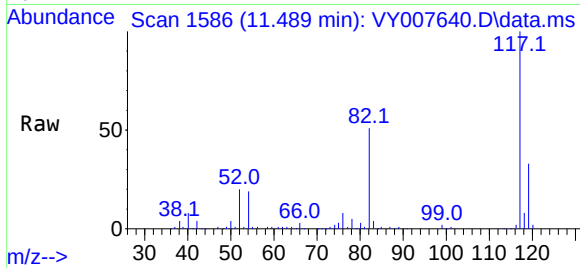




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007640.D
Acq: 25 Feb 2022 16:35

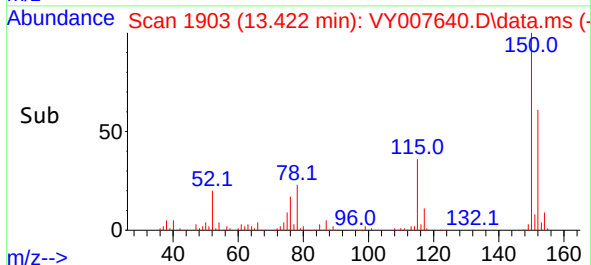
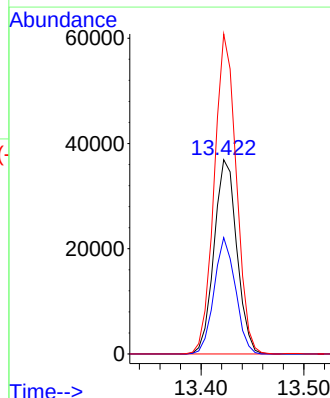
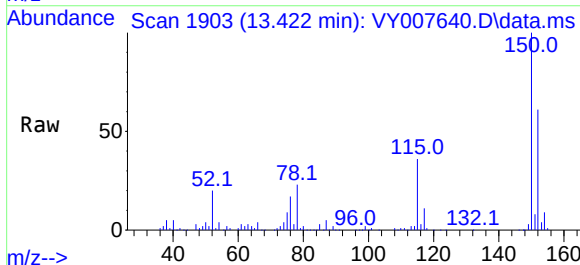
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

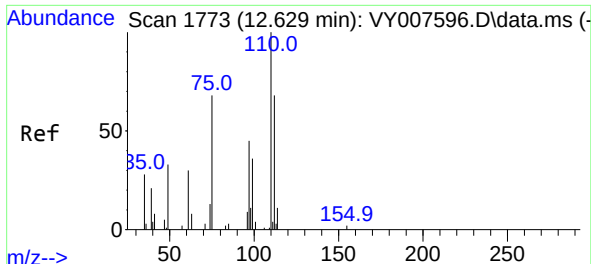
Tgt Ion:117 Resp: 116135
Ion Ratio Lower Upper
117 100
82 50.8 43.0 64.4
119 33.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007640.D
Acq: 25 Feb 2022 16:35

Tgt Ion:152 Resp: 56700
Ion Ratio Lower Upper
152 100
115 56.2 28.2 84.7
150 159.8 0.0 347.6

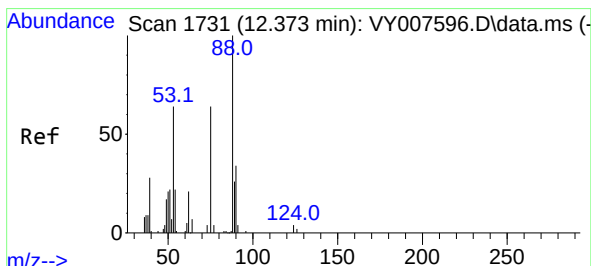
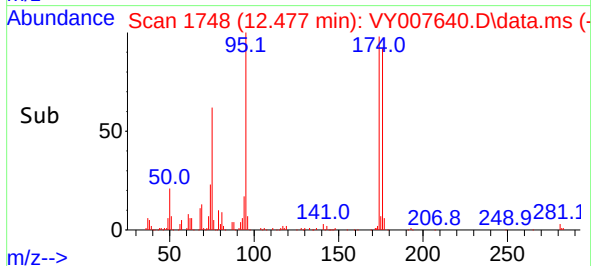
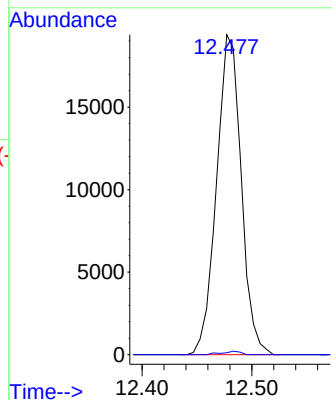
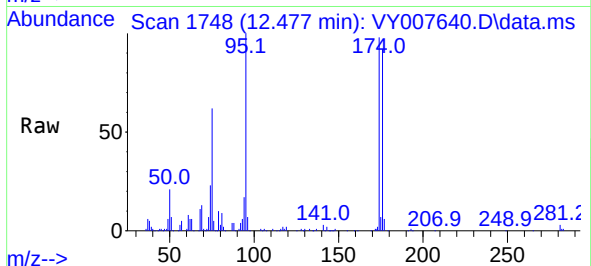




#76
1,2,3-Trichloropropane
Concen: 53.470 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY007640.D
Acq: 25 Feb 2022 16:35

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Tgt Ion: 75 Resp: 30322
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.969 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY007640.D
Acq: 25 Feb 2022 16:35

Tgt Ion: 75 Resp: 30322
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

