

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019184.D
 Acq On : 21 Aug 2024 21:07
 Operator : SY/MD
 Sample : P3643-14
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:19:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

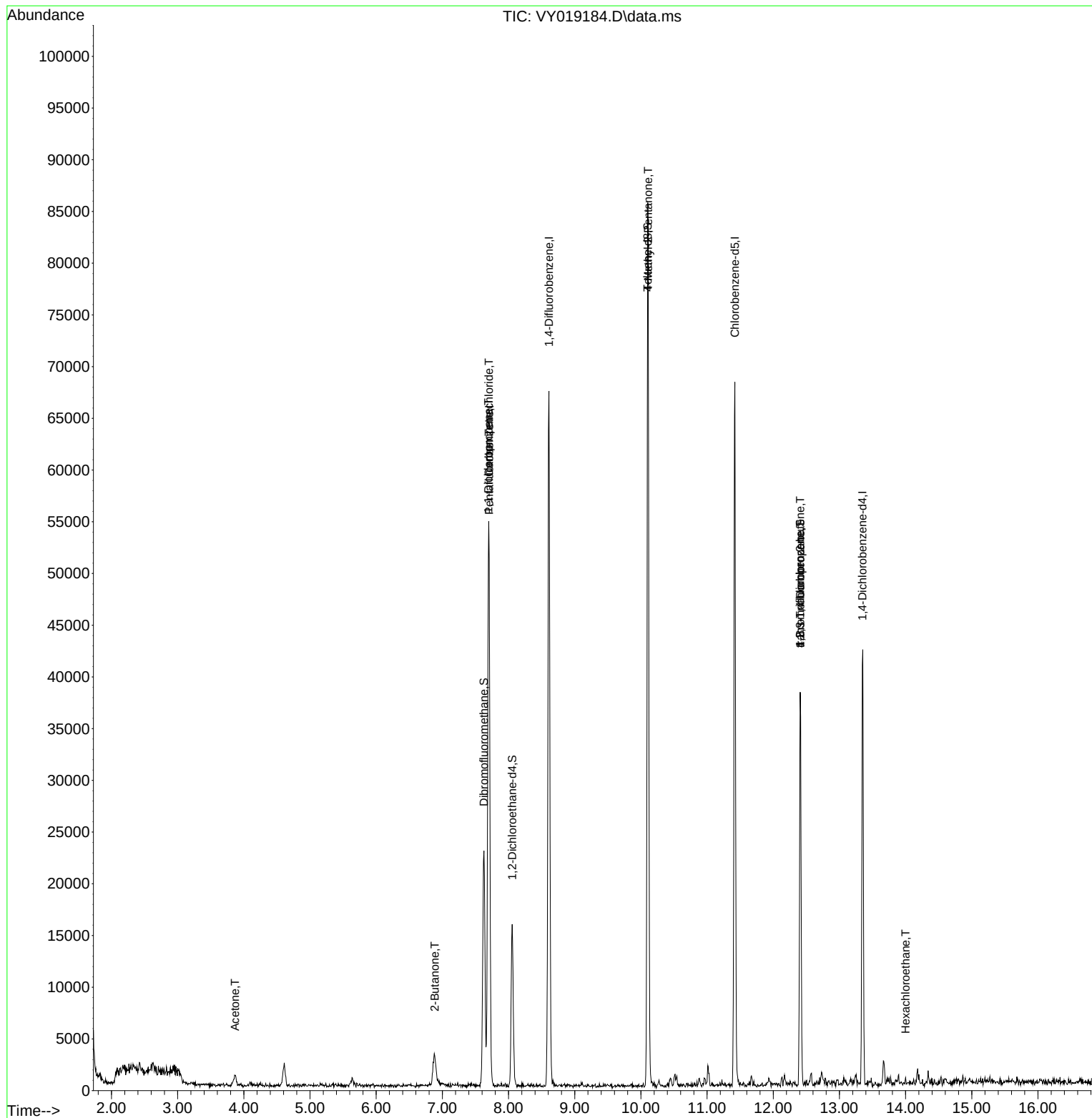
Internal Standards						
1) Pentafluorobenzene	7.707	168	42848	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.609	114	58405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	37712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	10800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	12089	28.146	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	56.300%
35) Dibromofluoromethane	7.628	113	15991	41.874	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.740%
50) Toluene-d8	10.103	98	55937	40.703	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	81.400%
62) 4-Bromofluorobenzene	12.407	95	11663	24.895	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	49.780%
Target Compounds						
					Qvalue	
5) Bromomethane	2.617	94	388	Below Cal	#	64
6) Chloroethane	2.751	64	25	Below Cal	#	42
11) Tert butyl alcohol	4.793	59	38	Below Cal	#	88
16) Acetone	3.866	43	1778	22.321	ug/l	92
20) Methylene Chloride	4.616	84	1239	Below Cal	#	82
25) 2-Butanone	6.884	43	476	3.711	ug/l	# 41
31) Cyclohexane	7.695	56	980	Below Cal	#	16
36) 1,1-Dichloropropene	7.695	75	3384	6.453	ug/l	# 47
38) Carbon Tetrachloride	7.701	117	4502	7.408	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.109	43	284	1.139	ug/l	# 1
76) 1,2,3-Trichloropropane	12.407	75	6379	59.892	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.407	75	6379	147.914	ug/l	# 16
90) Hexachloroethane	13.999	117	193	1.314	ug/l	# 12

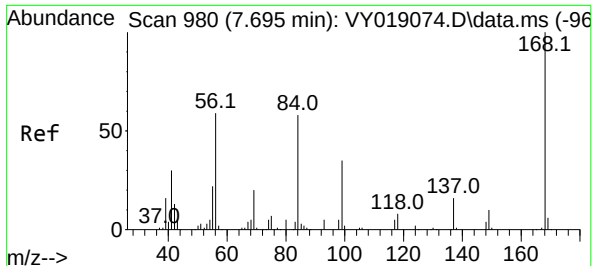
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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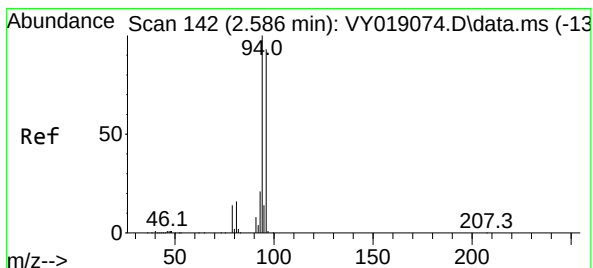
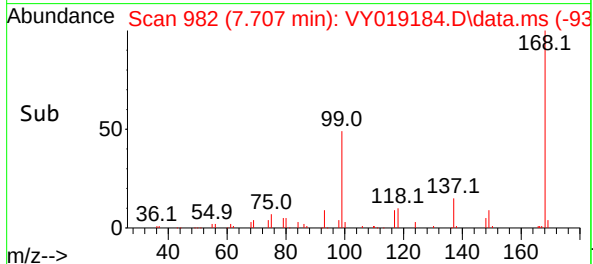
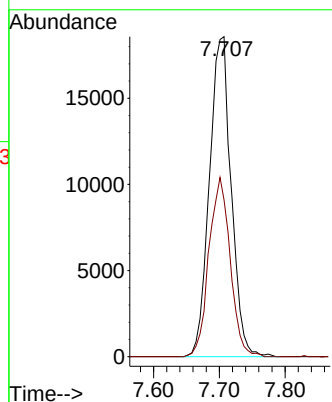
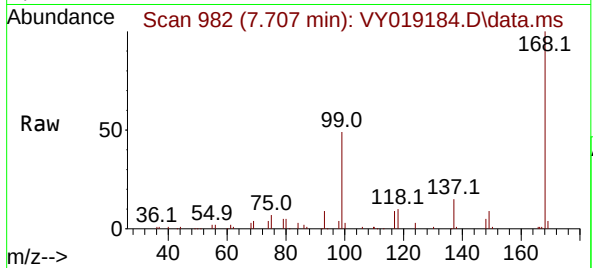




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019184.D
Acq: 21 Aug 2024 21:07

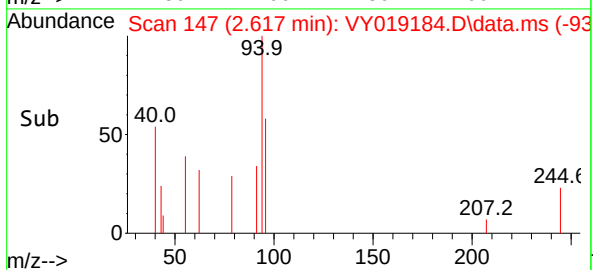
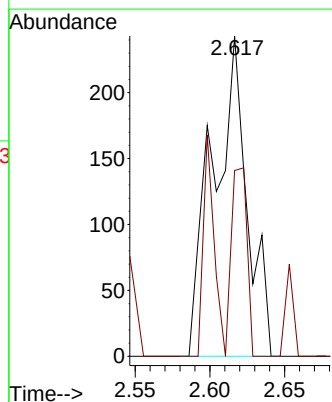
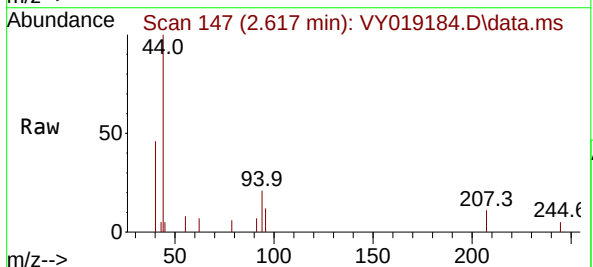
Instrument :
MSVOA_Y
ClientSampleId :

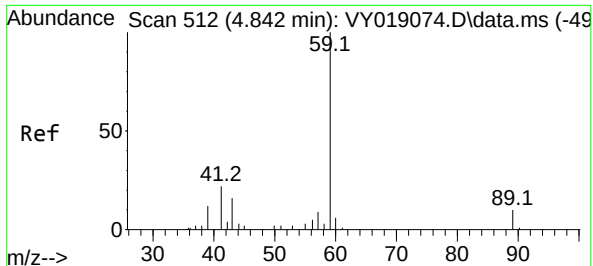
Tgt Ion:168 Resp: 42848
Ion Ratio Lower Upper
168 100
99 49.0 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.617 min Scan# 147
Delta R.T. 0.031 min
Lab File: VY019184.D
Acq: 21 Aug 2024 21:07

Tgt Ion: 94 Resp: 388
Ion Ratio Lower Upper
94 100
96 58.0 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.793 min Scan# 50

Delta R.T. -0.049 min

Lab File: VY019184.D

Acq: 21 Aug 2024 21:07

Instrument :

MSVOA_Y

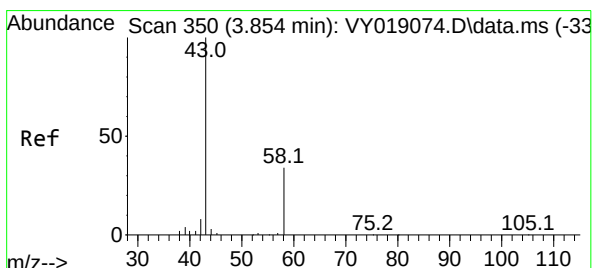
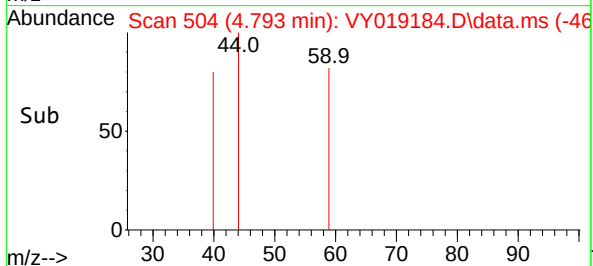
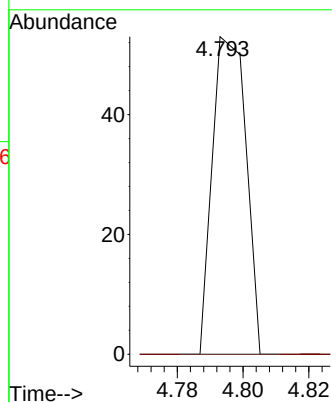
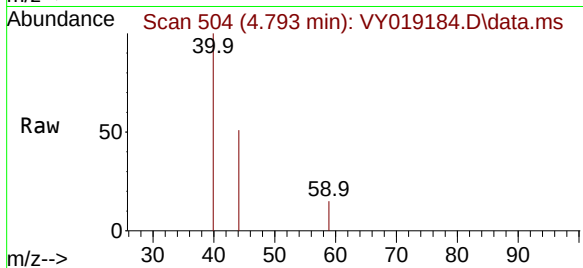
ClientSampleId :

Tgt Ion: 59 Resp: 38

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 22.321 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.012 min

Lab File: VY019184.D

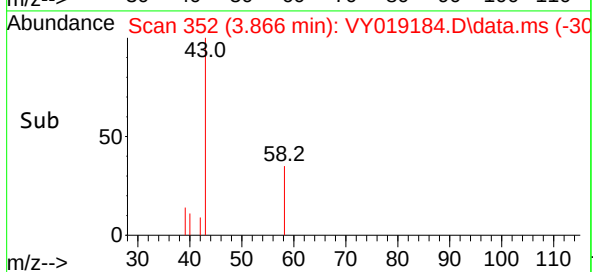
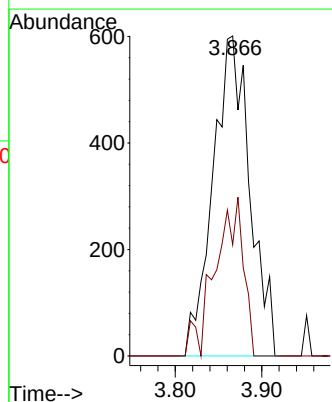
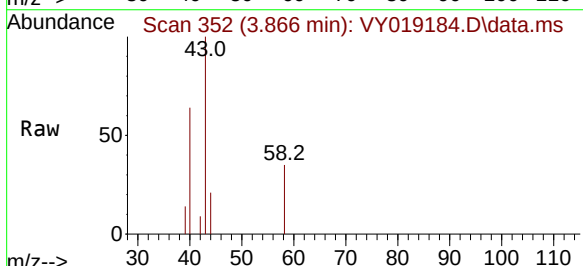
Acq: 21 Aug 2024 21:07

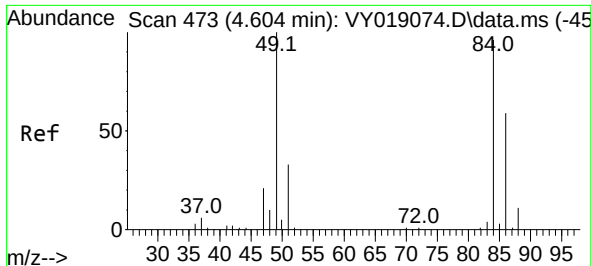
Tgt Ion: 43 Resp: 1778

Ion Ratio Lower Upper

43 100

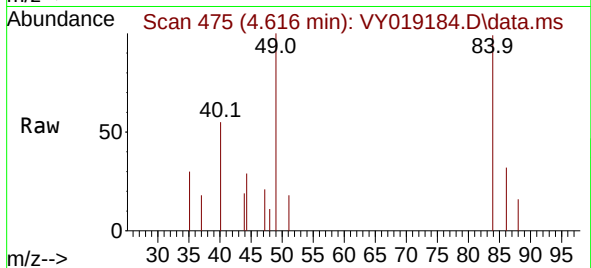
58 34.8 31.7 47.5



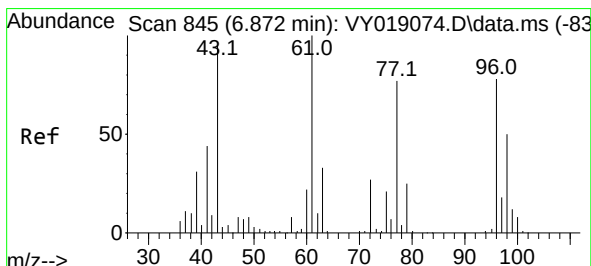
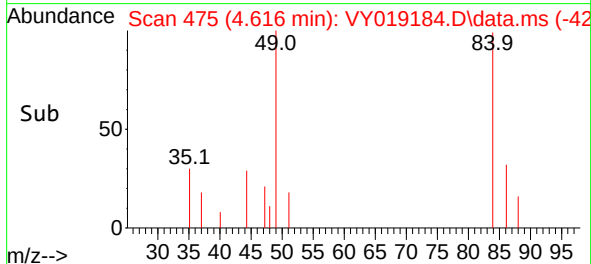
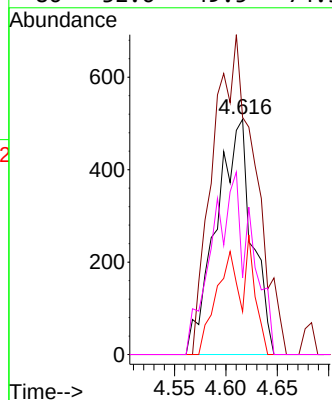


#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY019184.D
Acq: 21 Aug 2024 21:07

Instrument :
MSVOA_Y
ClientSampleId :

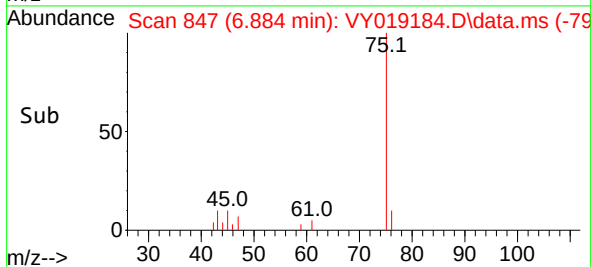
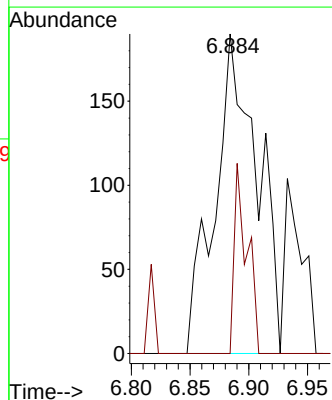
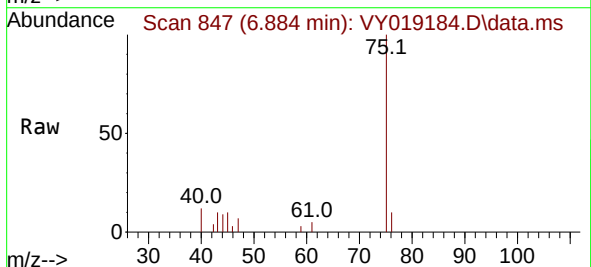


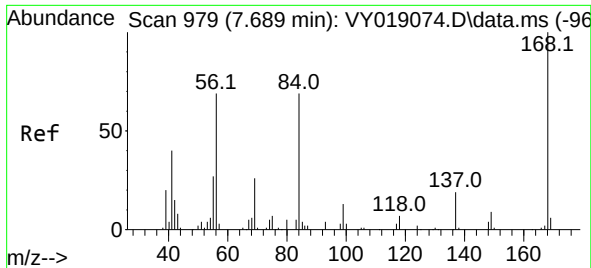
Tgt Ion: 84 Resp: 1239
Ion Ratio Lower Upper
84 100
49 100.8 84.4 126.6
51 18.3 26.0 39.0#
86 32.6 49.5 74.3#



#25
2-Butanone
Concen: 3.711 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY019184.D
Acq: 21 Aug 2024 21:07

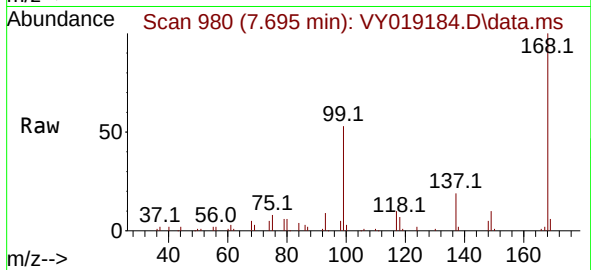
Tgt Ion: 43 Resp: 476
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



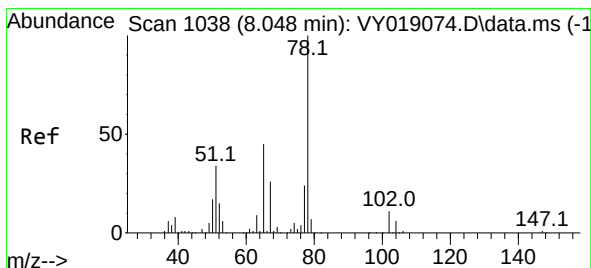
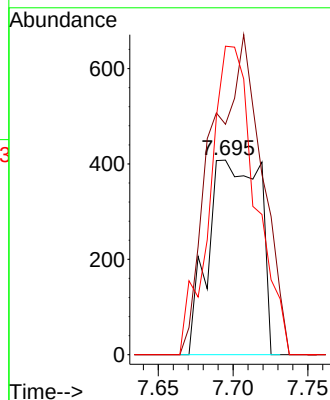
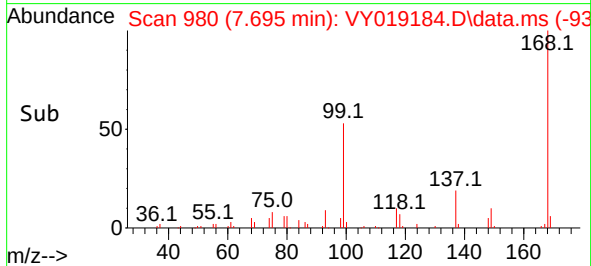


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019184.D
Acq: 21 Aug 2024 21:07

Instrument :
MSVOA_Y
ClientSampleId :

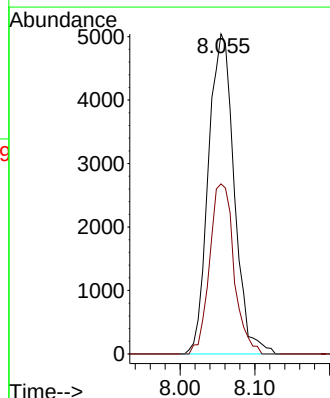
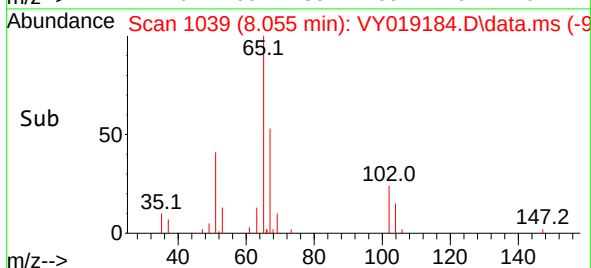
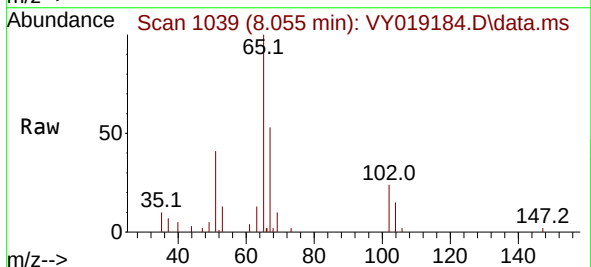


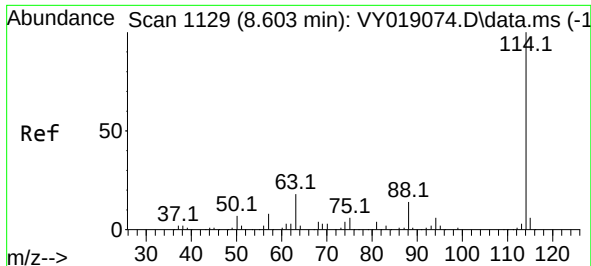
Tgt Ion: 56 Resp: 980
Ion Ratio Lower Upper
56 100
69 118.4 28.7 43.1#
84 158.6 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 28.146 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019184.D
Acq: 21 Aug 2024 21:07

Tgt Ion: 65 Resp: 12089
Ion Ratio Lower Upper
65 100
67 50.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019184.D

Acq: 21 Aug 2024 21:07

Instrument :

MSVOA_Y

ClientSampleId :

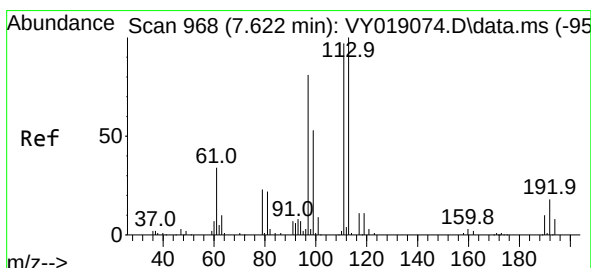
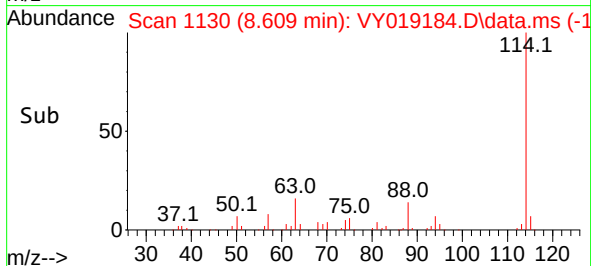
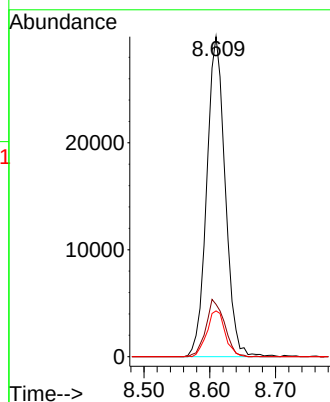
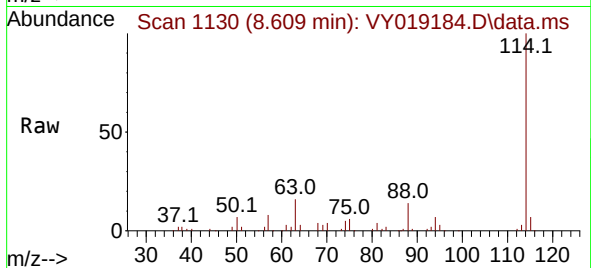
Tgt Ion:114 Resp: 58405

Ion Ratio Lower Upper

114 100

63 16.3 0.0 35.0

88 14.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 41.874 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019184.D

Acq: 21 Aug 2024 21:07

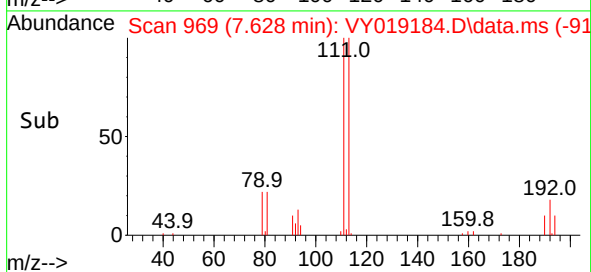
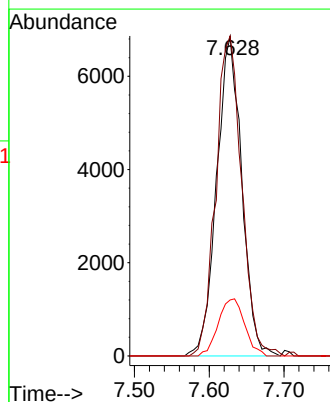
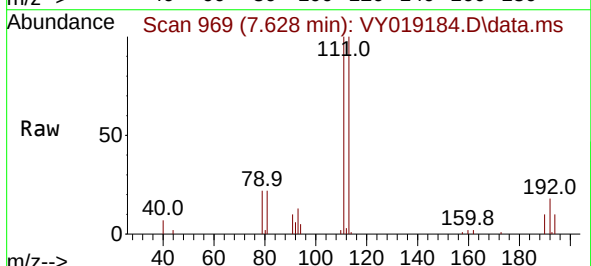
Tgt Ion:113 Resp: 15991

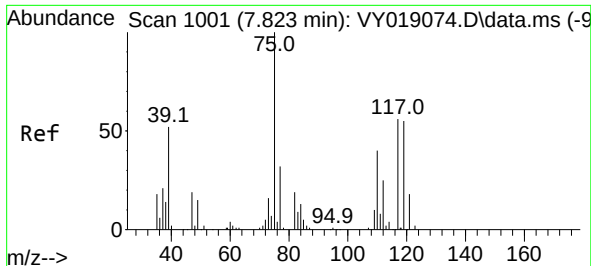
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

192 18.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.453 ug/l

RT: 7.695 min Scan# 90

Delta R.T. -0.128 min

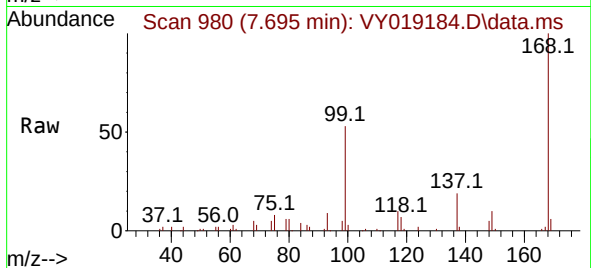
Lab File: VY019184.D

Acq: 21 Aug 2024 21:07

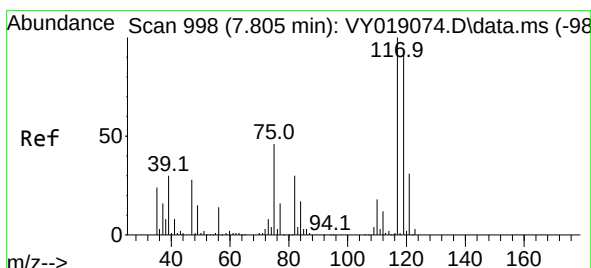
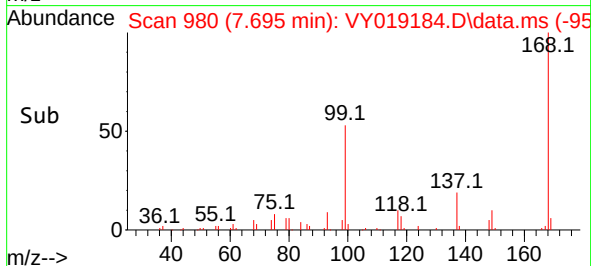
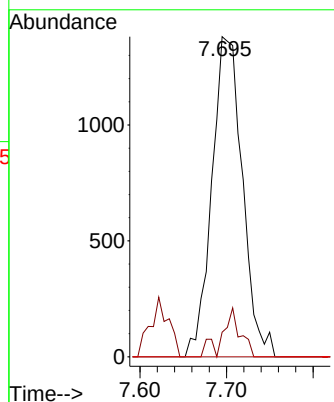
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 3384
Ion Ratio	Lower Upper
75	100
110	7.5 19.0 57.0#
77	0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 7.408 ug/l

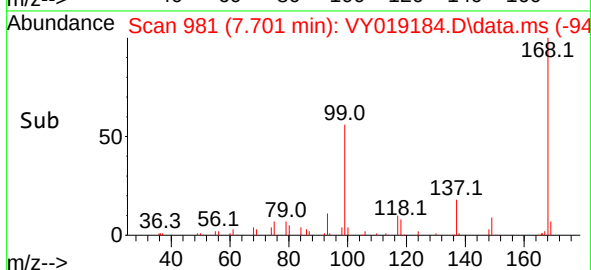
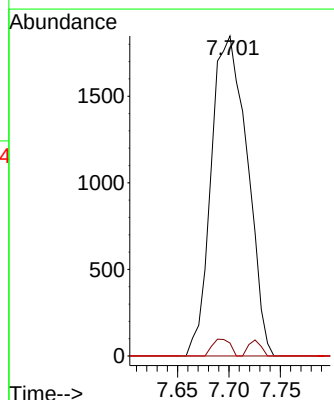
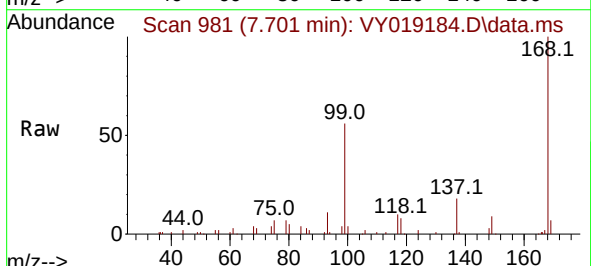
RT: 7.701 min Scan# 981

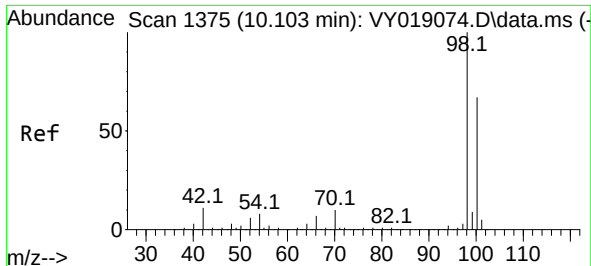
Delta R.T. -0.104 min

Lab File: VY019184.D

Acq: 21 Aug 2024 21:07

Tgt Ion: 117	Resp: 4502
Ion Ratio	Lower Upper
117	100
119	4.1 75.8 113.6#
121	0.0 24.0 36.0#

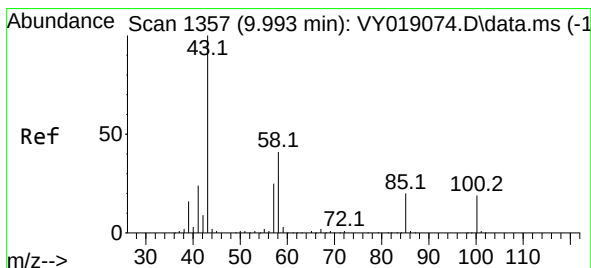
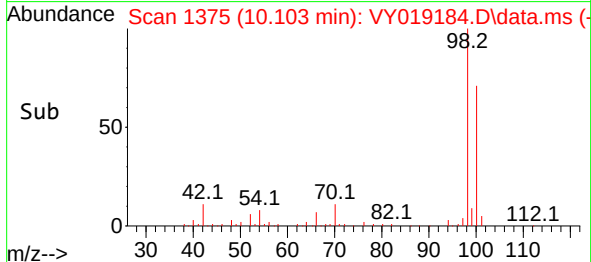
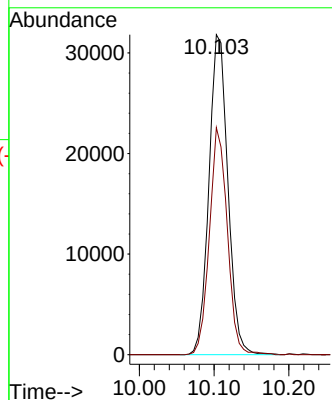
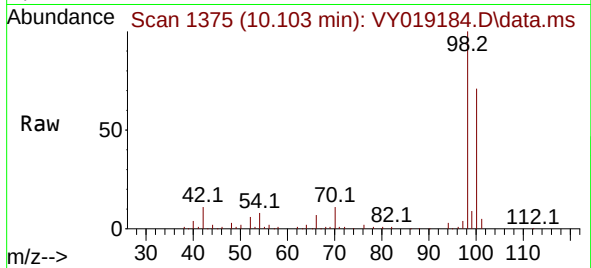




#50
Toluene-d8
Concen: 40.703 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019184.D
Acq: 21 Aug 2024 21:07

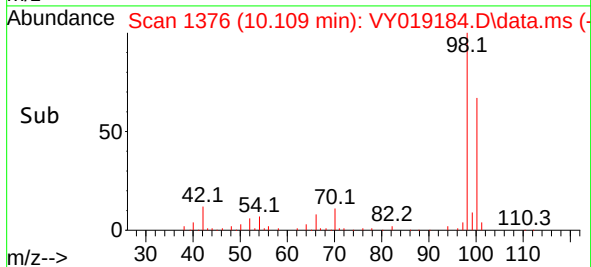
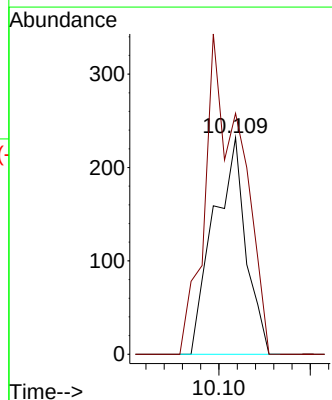
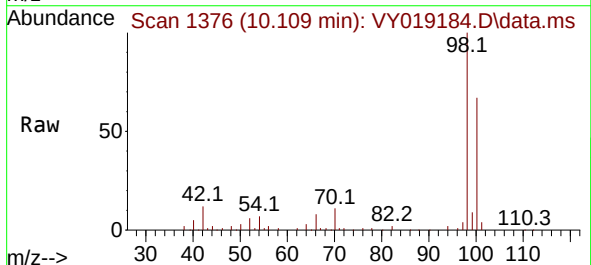
Instrument :
MSVOA_Y
ClientSampleId :

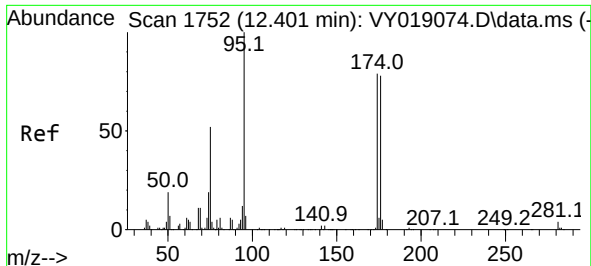
Tgt Ion: 98 Resp: 55937
Ion Ratio Lower Upper
98 100
100 67.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.139 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY019184.D
Acq: 21 Aug 2024 21:07

Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
58 165.5 35.7 53.5#

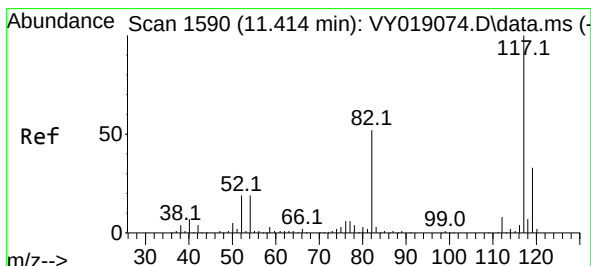
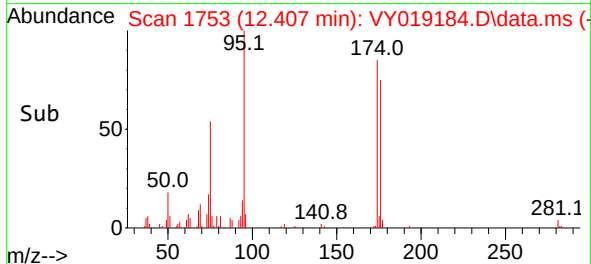
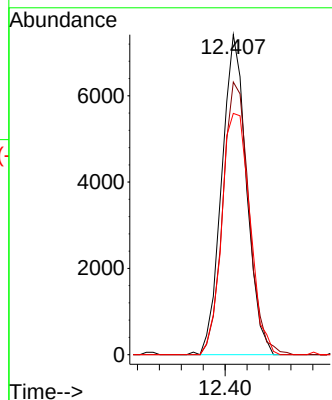
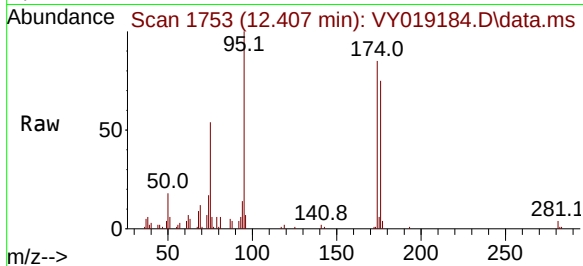




#62
4-Bromofluorobenzene
Concen: 24.895 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019184.D
Acq: 21 Aug 2024 21:07

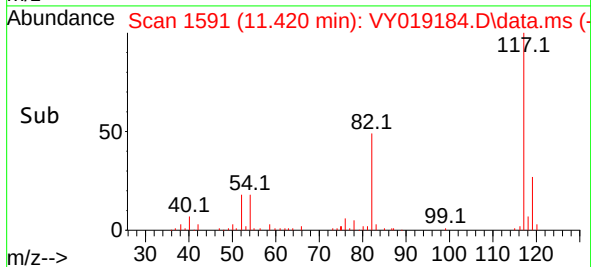
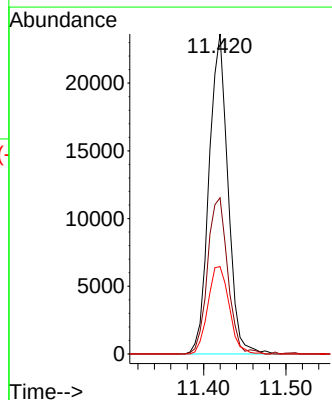
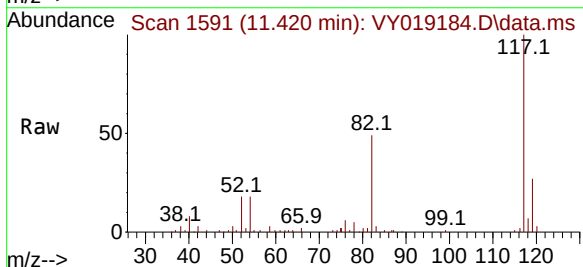
Instrument :
MSVOA_Y
ClientSampleId :

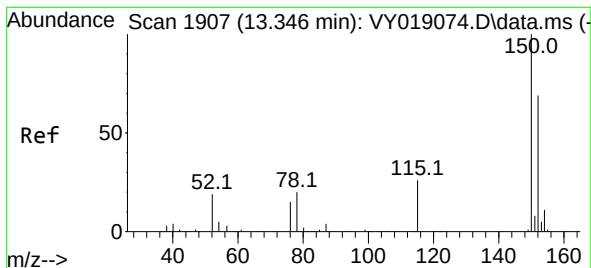
Tgt Ion: 95 Resp: 11663
Ion Ratio Lower Upper
95 100
174 89.5 0.0 175.6
176 85.6 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY019184.D
Acq: 21 Aug 2024 21:07

Tgt Ion: 117 Resp: 37712
Ion Ratio Lower Upper
117 100
82 48.8 42.4 63.6
119 27.3 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019184.D

Acq: 21 Aug 2024 21:07

Instrument :

MSVOA_Y

ClientSampleId :

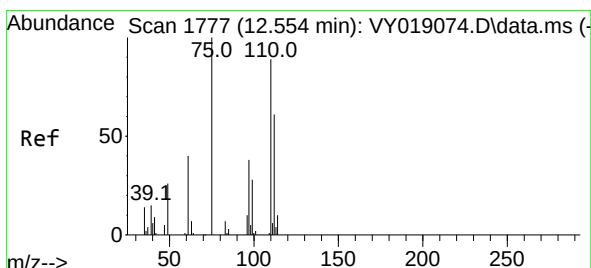
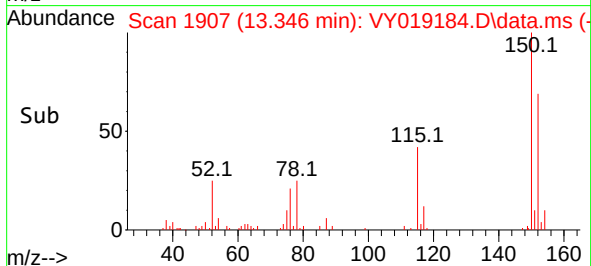
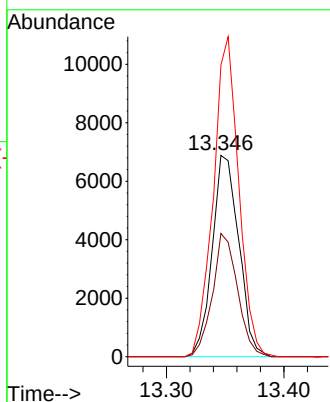
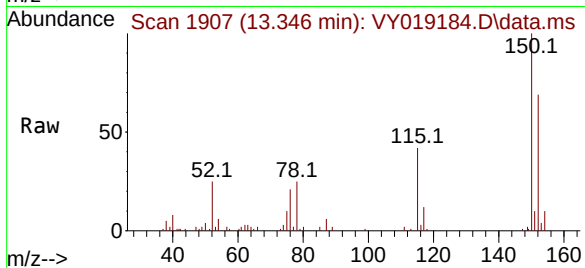
Tgt Ion:152 Resp: 10800

Ion Ratio Lower Upper

152 100

115 57.9 28.2 84.7

150 152.3 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 59.892 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019184.D

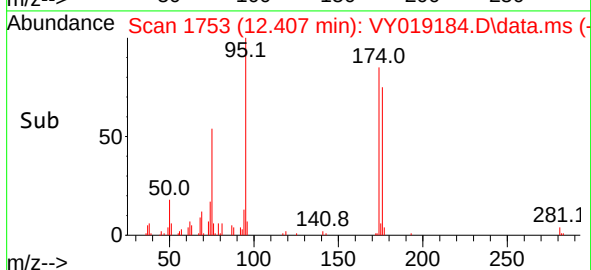
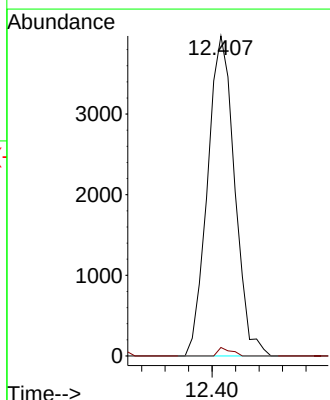
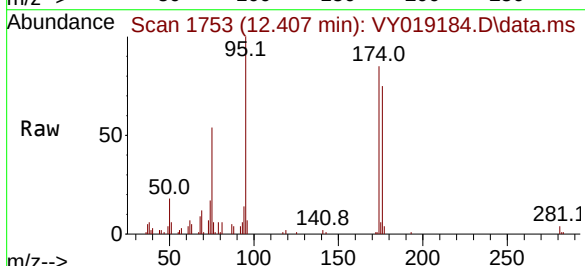
Acq: 21 Aug 2024 21:07

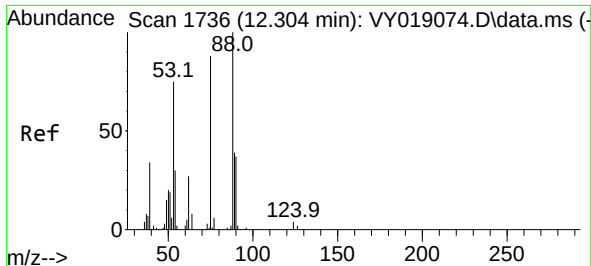
Tgt Ion: 75 Resp: 6379

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

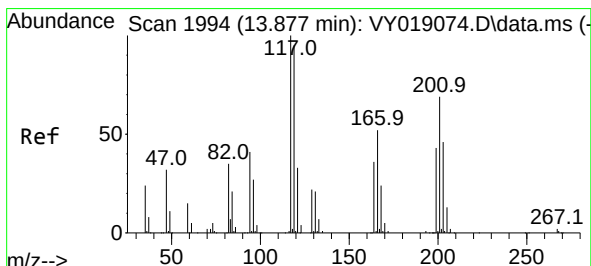
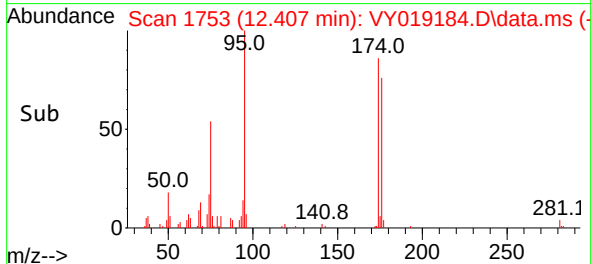
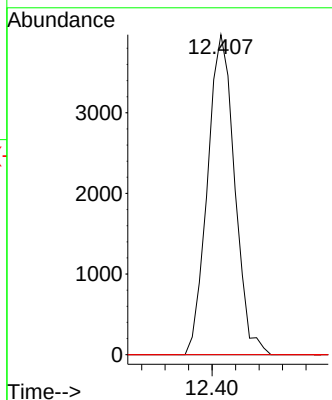
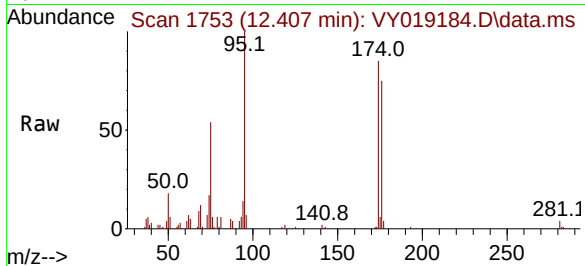




#81
trans-1,4-Dichloro-2-butene
Concen: 147.914 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019184.D
Acq: 21 Aug 2024 21:07

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 6379
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#90
Hexachloroethane
Concen: 1.314 ug/l
RT: 13.999 min Scan# 2014
Delta R.T. 0.122 min
Lab File: VY019184.D
Acq: 21 Aug 2024 21:07

Tgt Ion: 117 Resp: 193
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#

