

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082024\
 Data File : VY019159.D
 Acq On : 20 Aug 2024 18:29
 Operator : SY/MD
 Sample : P3643-12
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:33:21 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

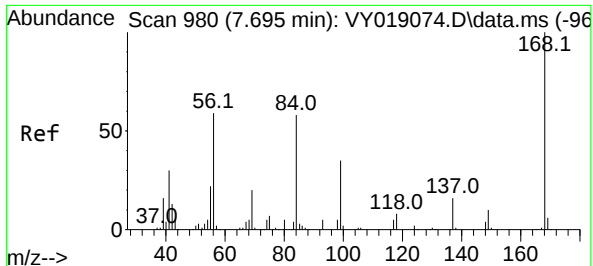
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.701	168	24592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	37174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	29689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	9743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.048	65	10352	41.993	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.980%		
35) Dibromofluoromethane	7.622	113	11995	49.349	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.700%		
50) Toluene-d8	10.103	98	40746	46.582	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.160%		
62) 4-Bromofluorobenzene	12.407	95	10589	35.511	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	71.020%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.610	94	243	Below Cal	#	40
6) Chloroethane	2.659	64	22	Below Cal	#	42
11) Tert butyl alcohol	4.842	59	57	Below Cal	#	88
13) Acrolein	3.634	56	40	Below Cal	#	15
16) Acetone	3.860	43	1325	28.983	ug/l #	72
20) Methylene Chloride	4.592	84	1300	Below Cal		89
25) 2-Butanone	6.866	43	237	3.219	ug/l #	41
31) Cyclohexane	7.695	56	675	Below Cal	#	58
36) 1,1-Dichloropropene	7.695	75	2032	6.088	ug/l #	42
37) Ethyl Acetate	6.866	43	237	1.603	ug/l #	78
38) Carbon Tetrachloride	7.695	117	2293	5.928	ug/l #	13
51) 4-Methyl-2-Pentanone	10.109	43	295	1.858	ug/l #	1
74) N-amyl acetate	12.048	43	296	1.818	ug/l #	49
76) 1,2,3-Trichloropropane	12.407	75	5834	60.718	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	5834	149.953	ug/l #	16

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

Quant Time: Aug 21 01:33:21 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

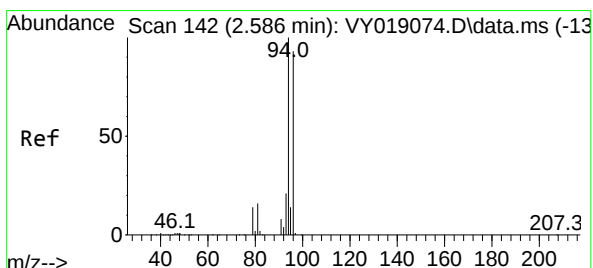
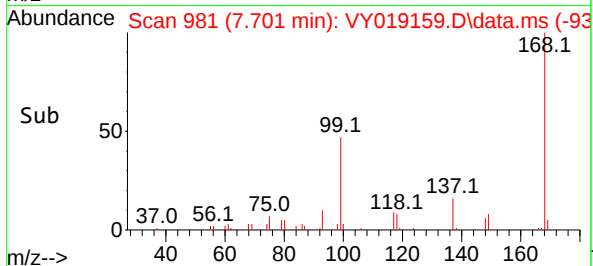
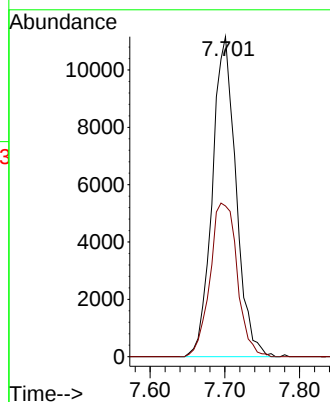
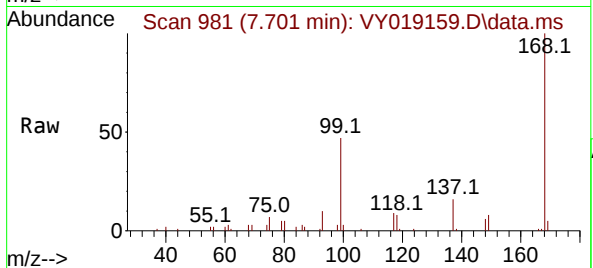




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019159.D
Acq: 20 Aug 2024 18:29

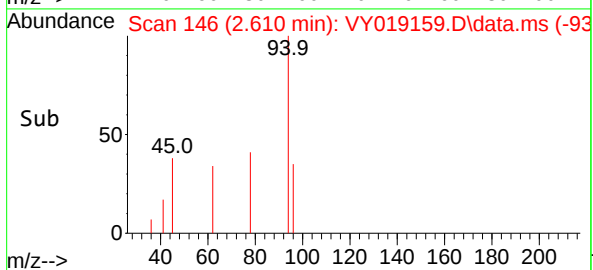
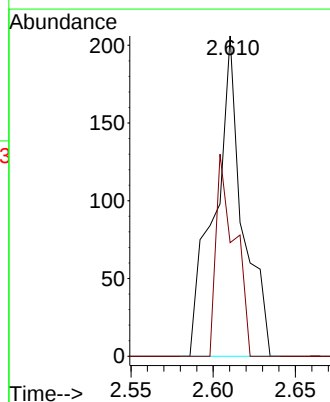
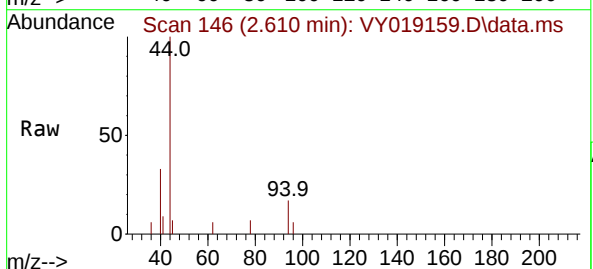
Instrument :
MSVOA_Y
ClientSampleId :

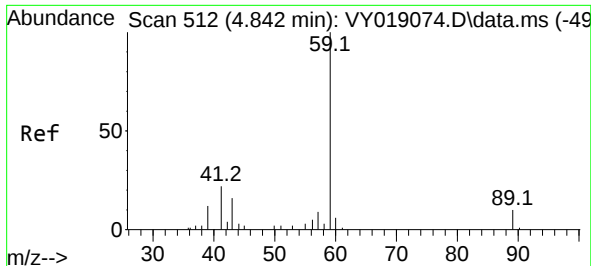
Tgt Ion:168 Resp: 24592
Ion Ratio Lower Upper
168 100
99 47.1 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.610 min Scan# 146
Delta R.T. 0.024 min
Lab File: VY019159.D
Acq: 20 Aug 2024 18:29

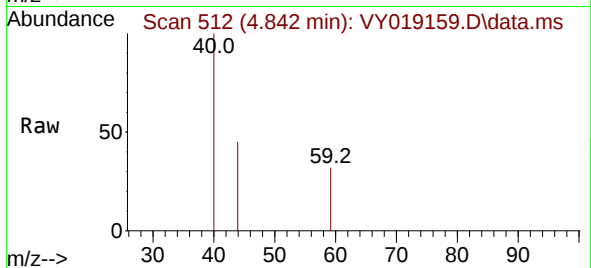
Tgt Ion: 94 Resp: 243
Ion Ratio Lower Upper
94 100
96 35.4 74.1 111.1#



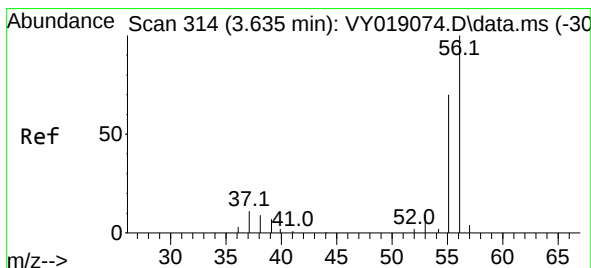
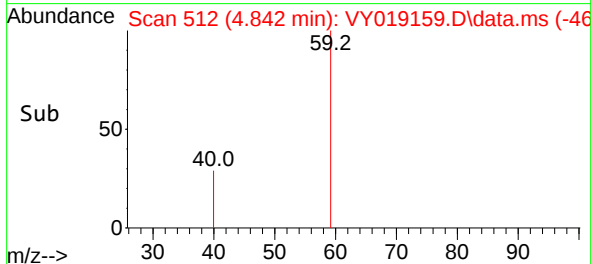
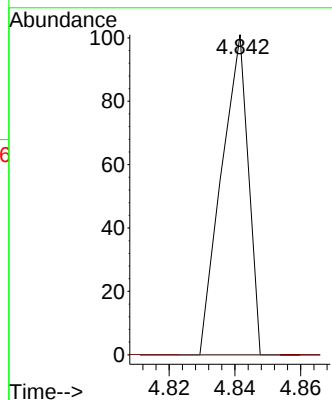


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.842 min Scan# 512
Delta R.T. -0.000 min
Lab File: VY019159.D
Acq: 20 Aug 2024 18:29

Instrument :
MSVOA_Y
ClientSampleId :

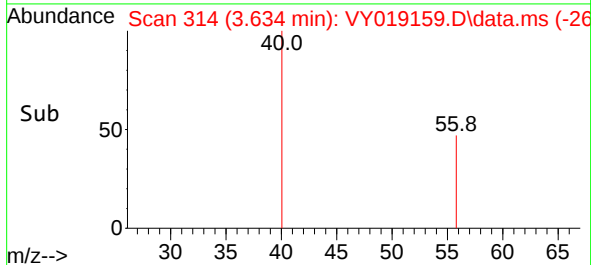
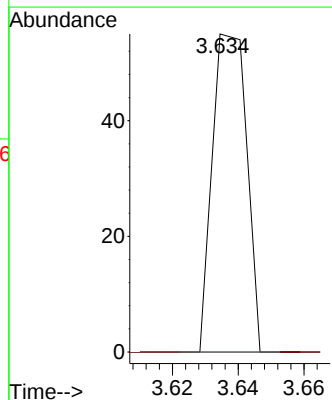
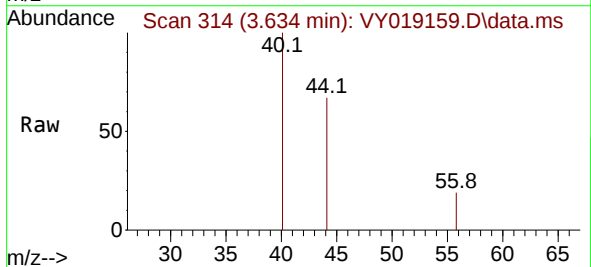


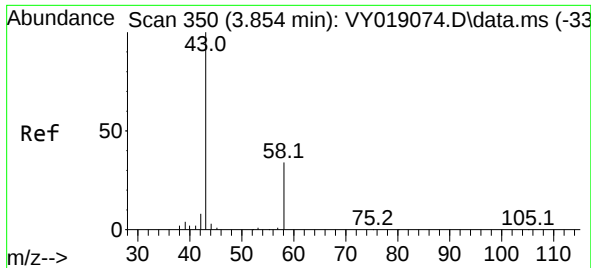
Tgt Ion: 59 Resp: 57
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.634 min Scan# 314
Delta R.T. -0.001 min
Lab File: VY019159.D
Acq: 20 Aug 2024 18:29

Tgt Ion: 56 Resp: 40
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#





#16

Acetone

Concen: 28.983 ug/l

RT: 3.860 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY019159.D

Acq: 20 Aug 2024 18:29

Instrument :

MSVOA_Y

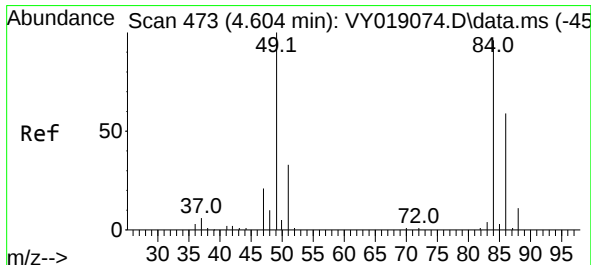
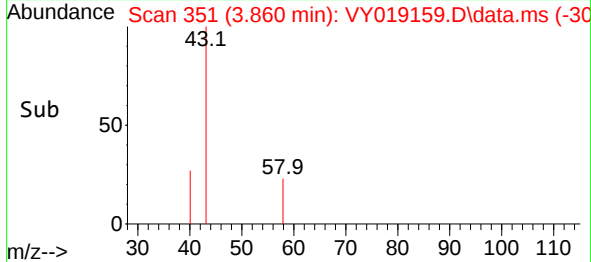
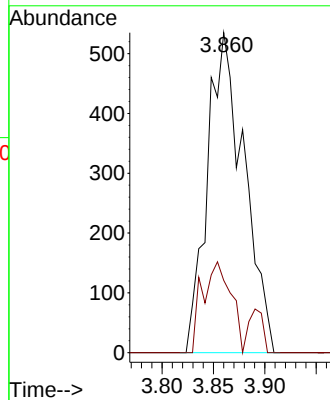
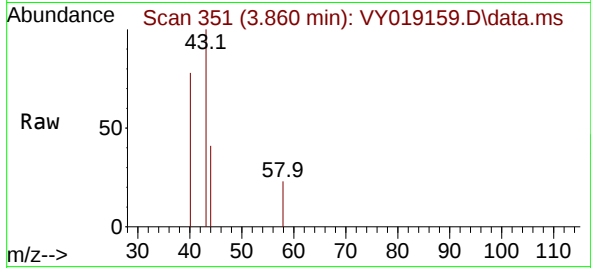
ClientSampleId :

Tgt Ion: 43 Resp: 1325

Ion Ratio Lower Upper

43 100

58 22.6 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.592 min Scan# 471

Delta R.T. -0.012 min

Lab File: VY019159.D

Acq: 20 Aug 2024 18:29

Tgt Ion: 84 Resp: 1300

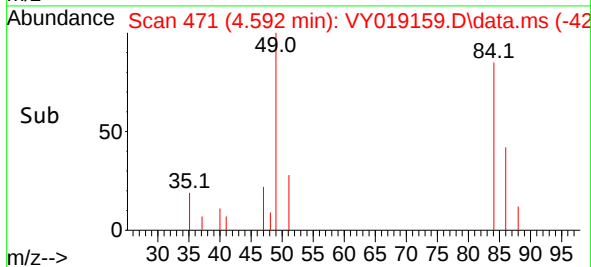
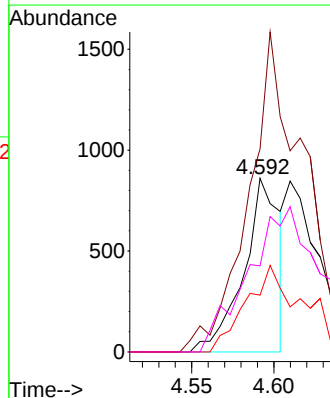
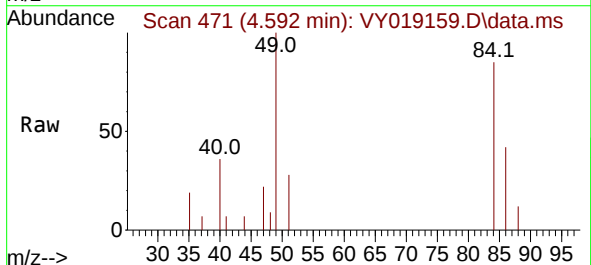
Ion Ratio Lower Upper

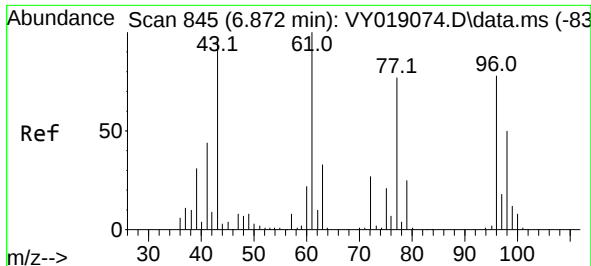
84 100

49 117.0 84.4 126.6

51 32.7 26.0 39.0

86 49.5 49.5 74.3

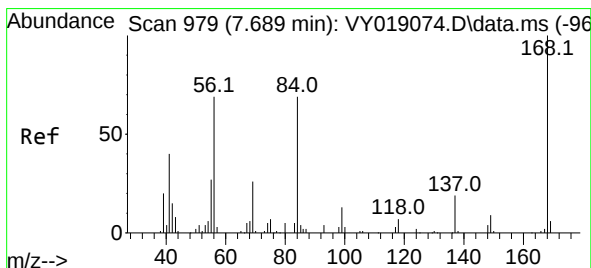
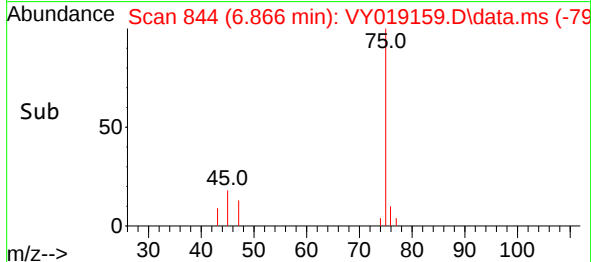
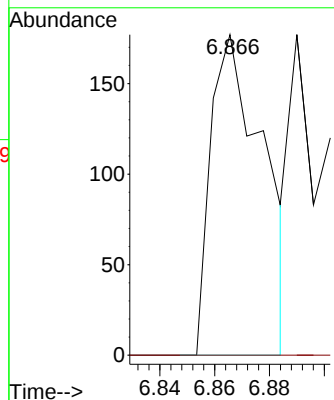
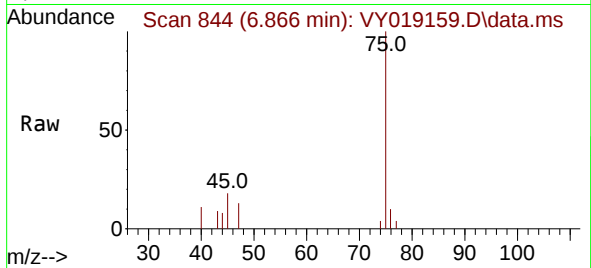




#25
2-Butanone
Concen: 3.219 ug/l
RT: 6.866 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY019159.D
Acq: 20 Aug 2024 18:29

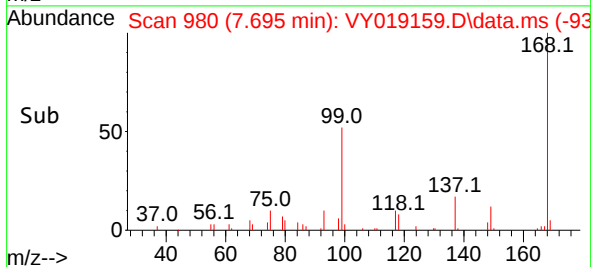
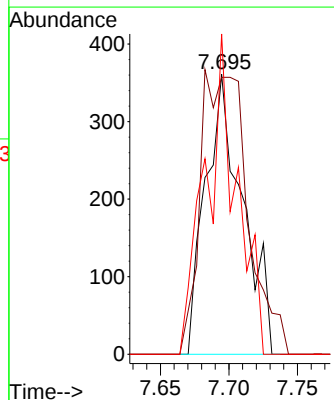
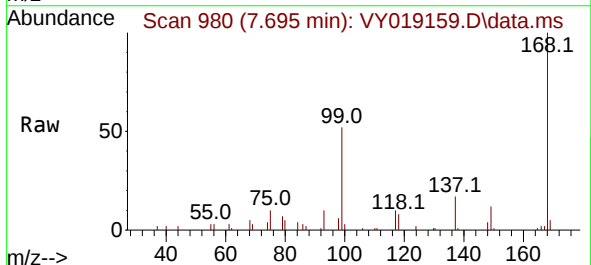
Instrument :
MSVOA_Y
ClientSampleId :

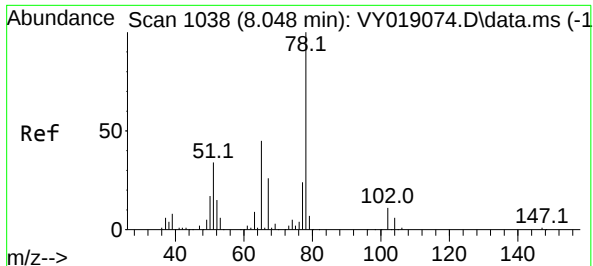
Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY019159.D
Acq: 20 Aug 2024 18:29

Tgt Ion: 56 Resp: 675
Ion Ratio Lower Upper
56 100
69 98.9 28.7 43.1#
84 114.4 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 41.993 ug/l

RT: 8.048 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY019159.D

Acq: 20 Aug 2024 18:29

Instrument :

MSVOA_Y

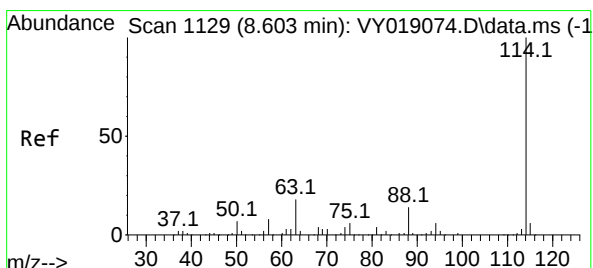
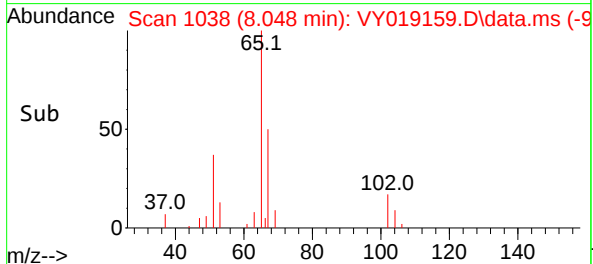
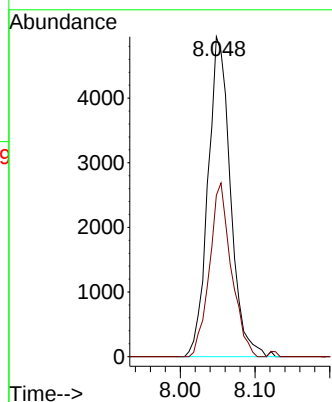
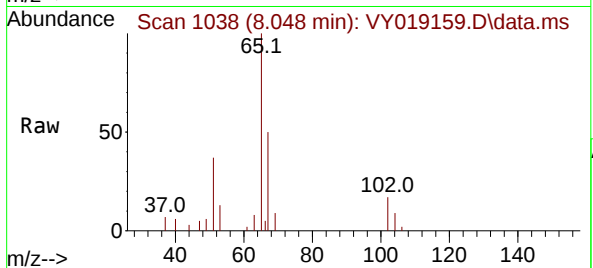
ClientSampleId :

Tgt Ion: 65 Resp: 10352

Ion Ratio Lower Upper

65 100

67 52.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019159.D

Acq: 20 Aug 2024 18:29

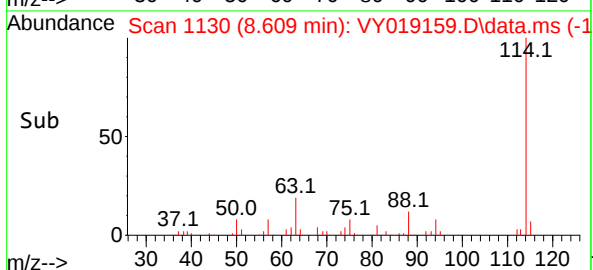
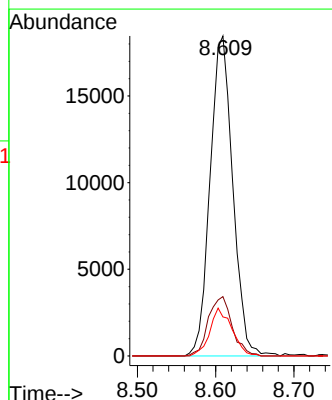
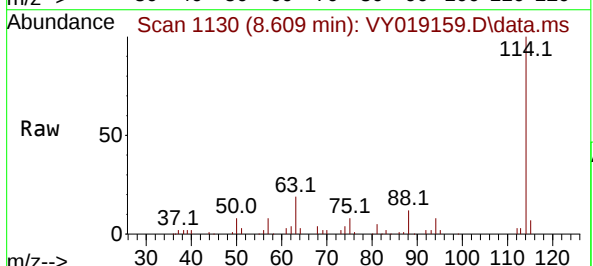
Tgt Ion: 114 Resp: 37174

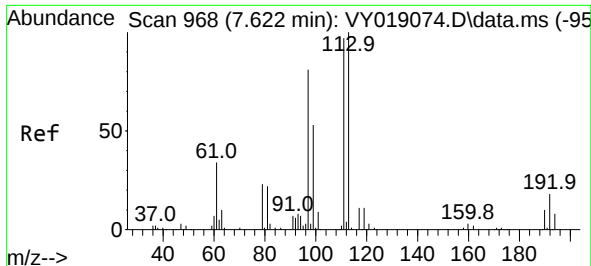
Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.0

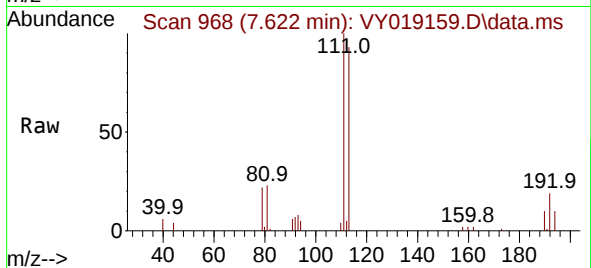
88 12.2 0.0 27.2



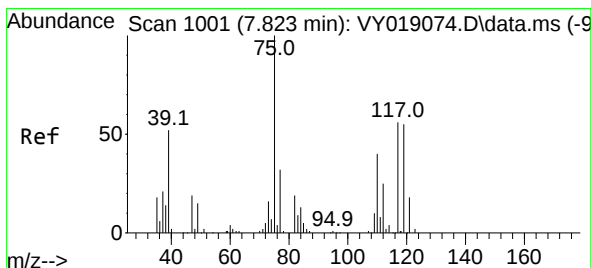
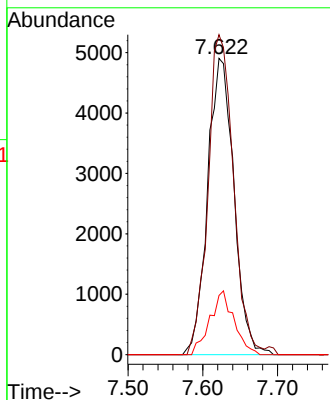
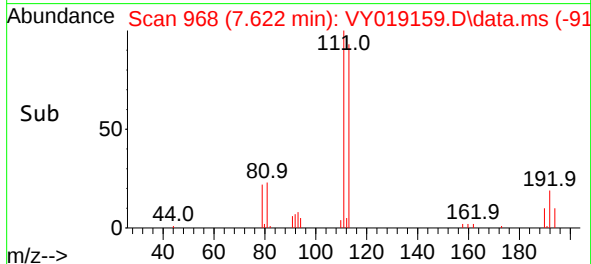


#35
Dibromofluoromethane
Concen: 49.349 ug/l
RT: 7.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019159.D
Acq: 20 Aug 2024 18:29

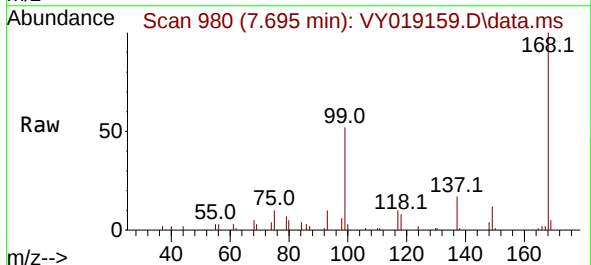
Instrument :
MSVOA_Y
ClientSampleId :



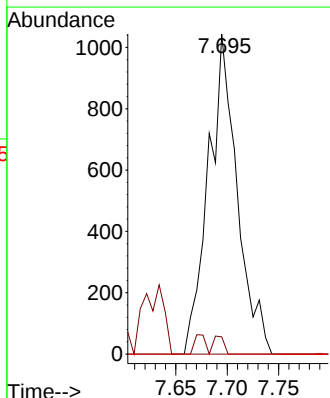
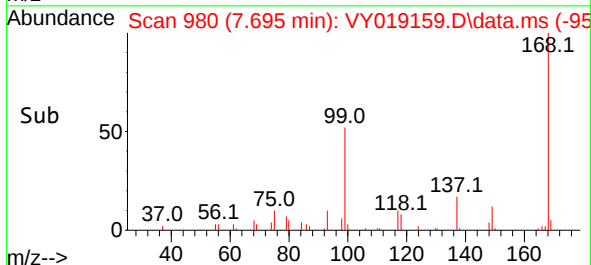
Tgt Ion:113 Resp: 11995
Ion Ratio Lower Upper
113 100
111 105.1 82.2 123.4
192 19.7 15.9 23.9

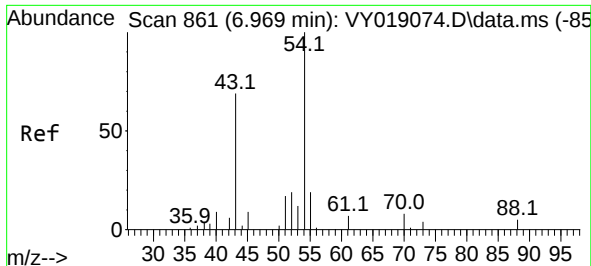


#36
1,1-Dichloropropene
Concen: 6.088 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY019159.D
Acq: 20 Aug 2024 18:29



Tgt Ion: 75 Resp: 2032
Ion Ratio Lower Upper
75 100
110 2.1 19.0 57.0#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.603 ug/l

RT: 6.866 min Scan# 844

Delta R.T. -0.104 min

Lab File: VY019159.D

Acq: 20 Aug 2024 18:29

Instrument :

MSVOA_Y

ClientSampleId :

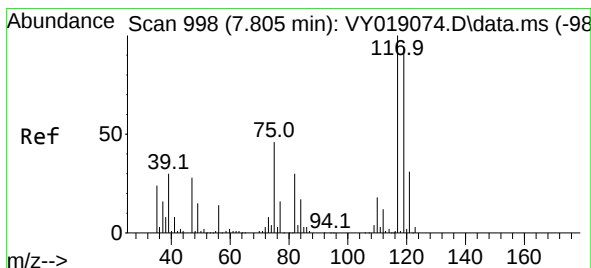
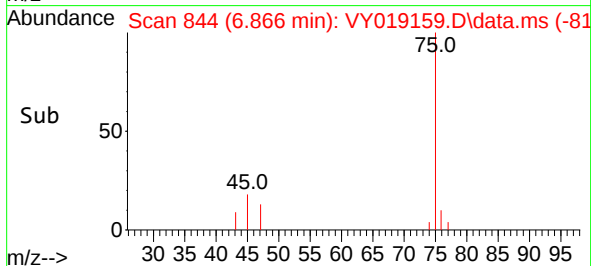
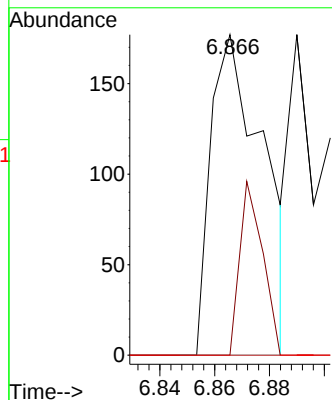
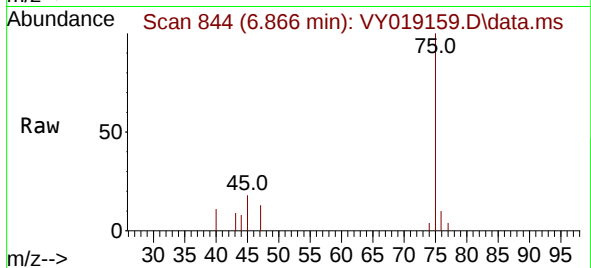
Tgt Ion: 43 Resp: 237

Ion Ratio Lower Upper

43 100

61 23.6 12.6 19.0#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.928 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY019159.D

Acq: 20 Aug 2024 18:29

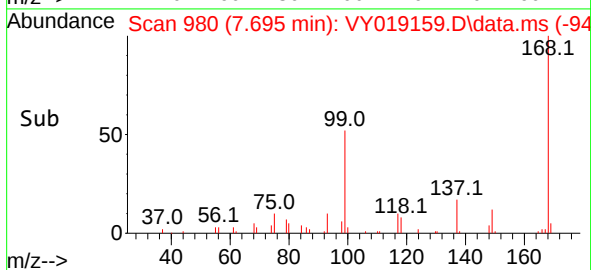
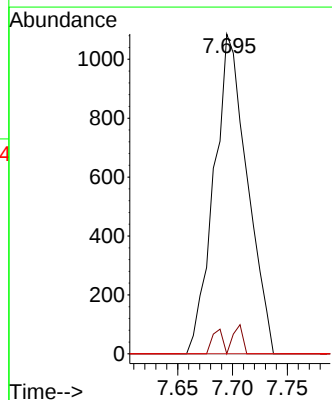
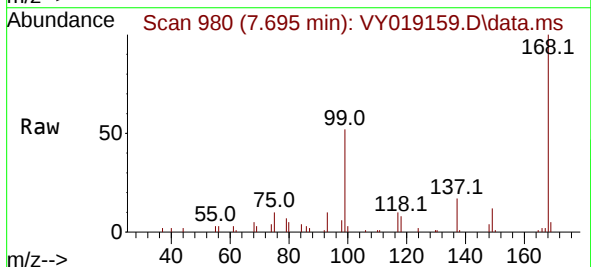
Tgt Ion: 117 Resp: 2293

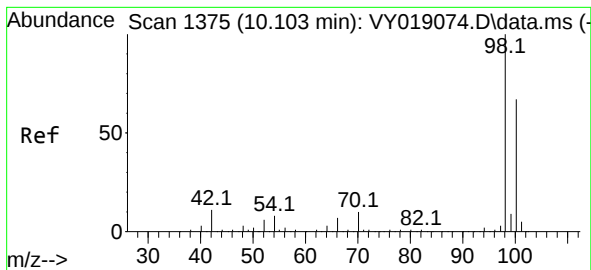
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 46.582 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY019159.D

Acq: 20 Aug 2024 18:29

Instrument :

MSVOA_Y

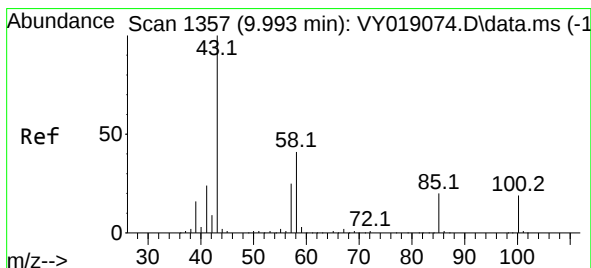
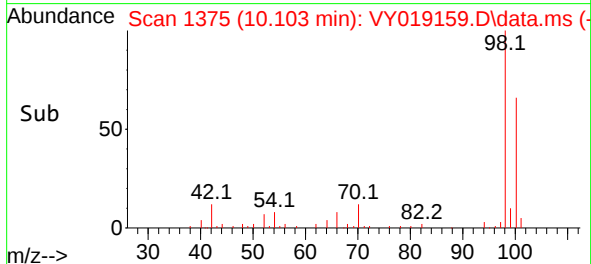
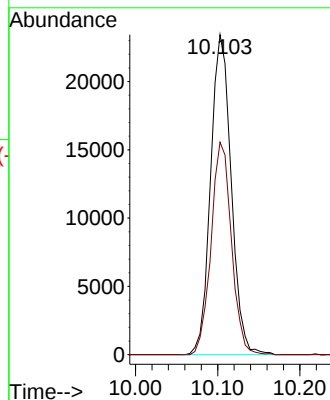
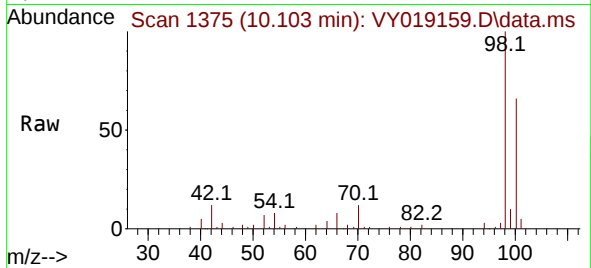
ClientSampleId :

Tgt Ion: 98 Resp: 40746

Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.858 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.116 min

Lab File: VY019159.D

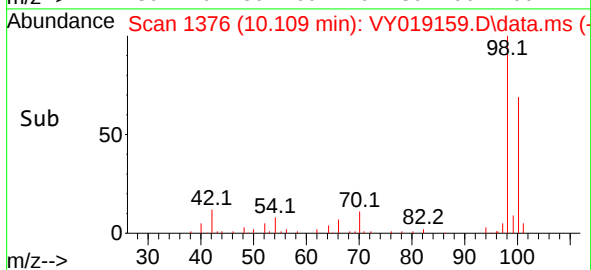
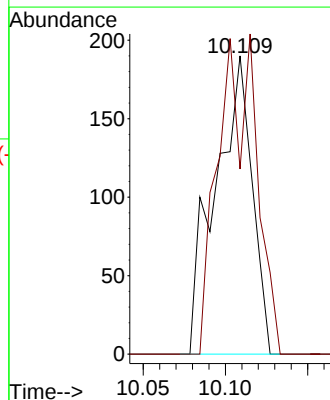
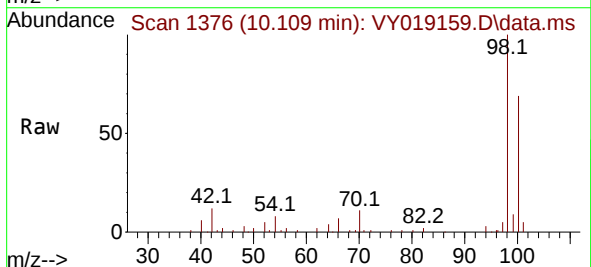
Acq: 20 Aug 2024 18:29

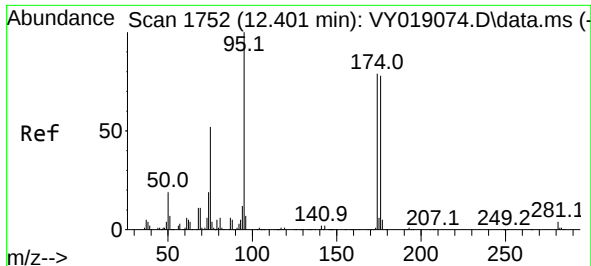
Tgt Ion: 43 Resp: 295

Ion Ratio Lower Upper

43 100

58 110.5 35.7 53.5#

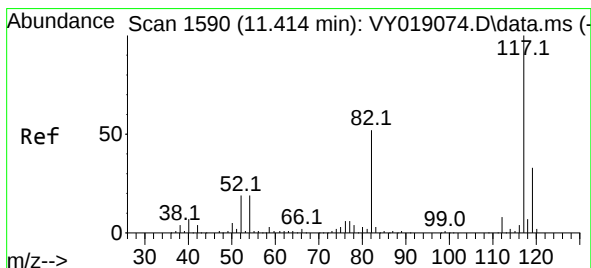
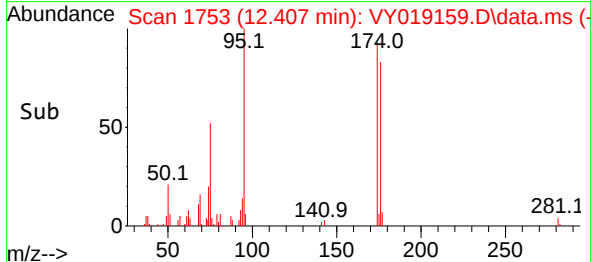
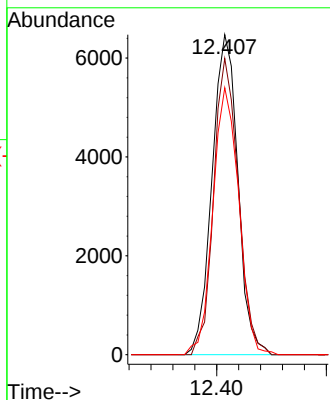
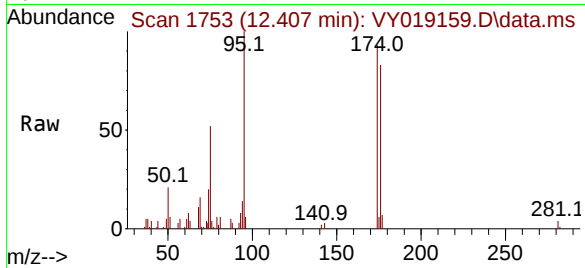




#62
4-Bromofluorobenzene
Concen: 35.511 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019159.D
Acq: 20 Aug 2024 18:29

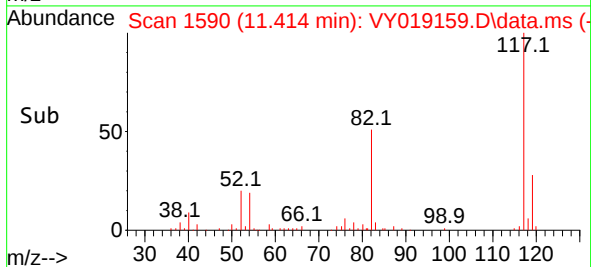
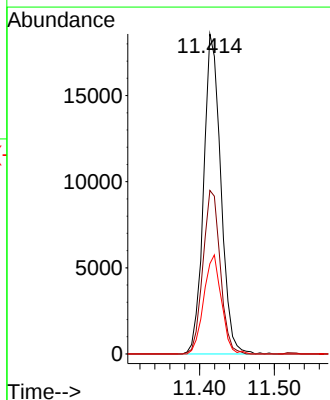
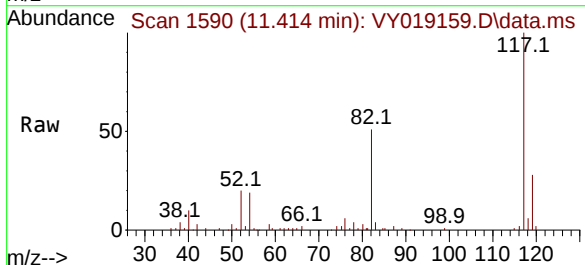
Instrument :
MSVOA_Y
ClientSampleId :

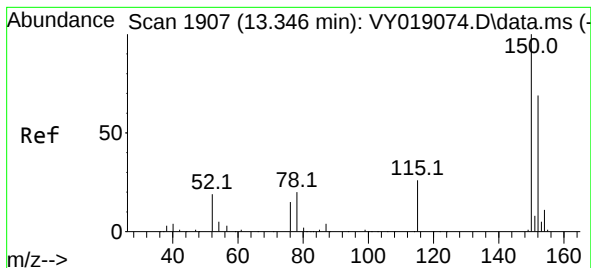
Tgt Ion: 95 Resp: 10589
Ion Ratio Lower Upper
95 100
174 88.6 0.0 175.6
176 83.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY019159.D
Acq: 20 Aug 2024 18:29

Tgt Ion: 117 Resp: 29689
Ion Ratio Lower Upper
117 100
82 51.1 42.4 63.6
119 28.2 25.9 38.9

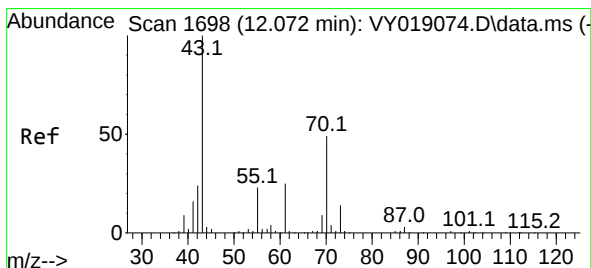
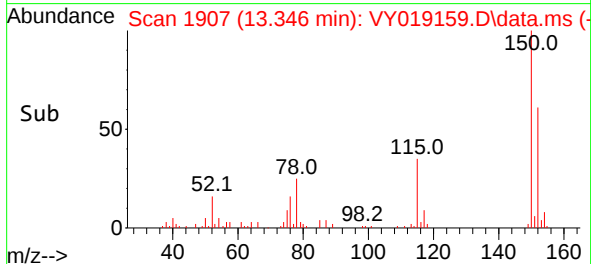
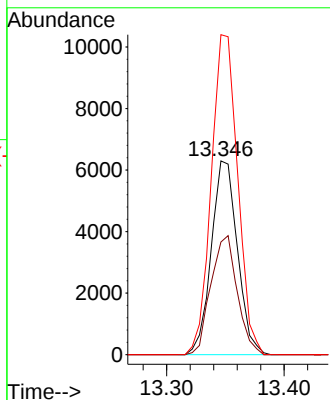
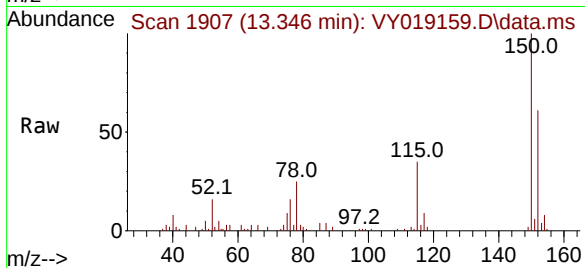




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY019159.D
Acq: 20 Aug 2024 18:29

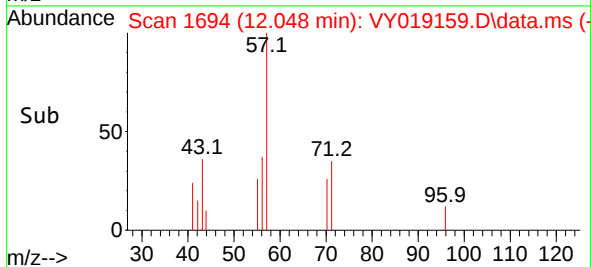
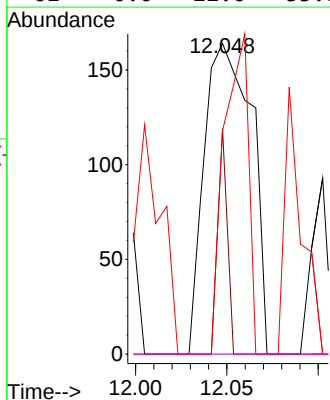
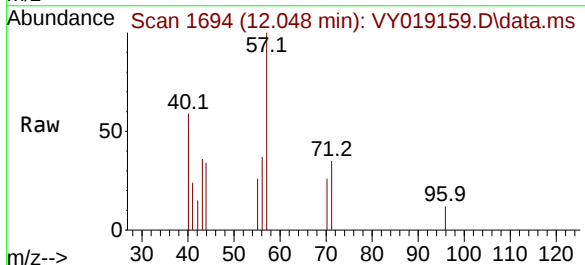
Instrument :
MSVOA_Y
ClientSampleId :

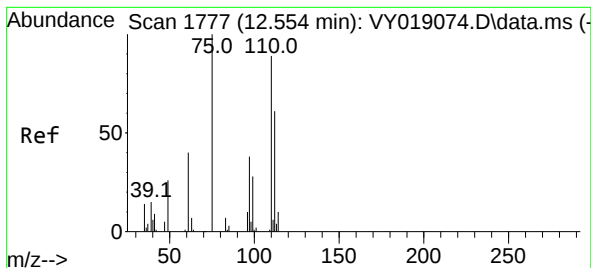
Tgt Ion:	152	Resp:	9743
Ion	Ratio	Lower	Upper
152	100		
115	62.0	28.2	84.7
150	166.7	0.0	345.6



#74
N-ethyl acetate
Concen: 1.818 ug/l
RT: 12.048 min Scan# 1694
Delta R.T. -0.024 min
Lab File: VY019159.D
Acq: 20 Aug 2024 18:29

Tgt Ion:	43	Resp:	296
Ion	Ratio	Lower	Upper
43	100		
70	14.9	41.4	62.2#
55	53.0	23.3	34.9#
61	0.0	22.6	33.8#





#76

1,2,3-Trichloropropane

Concen: 60.718 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019159.D

Acq: 20 Aug 2024 18:29

Instrument :

MSVOA_Y

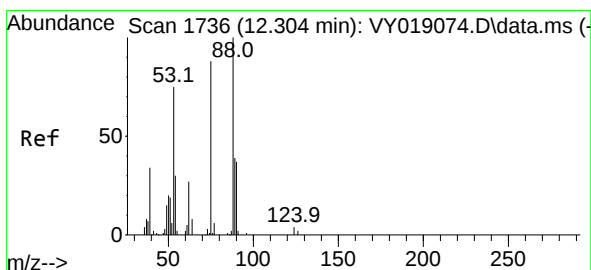
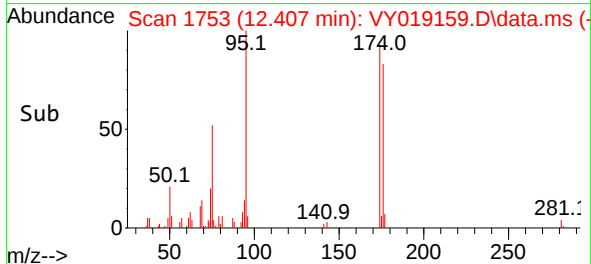
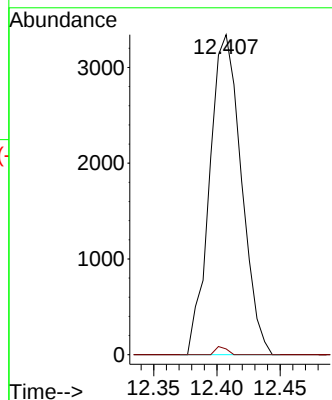
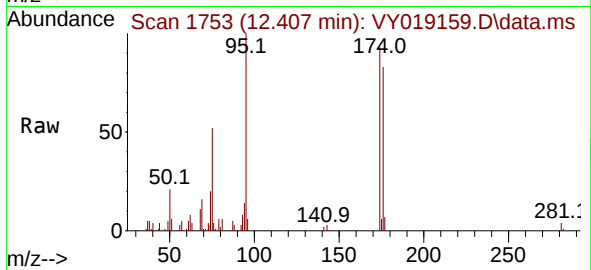
ClientSampleId :

Tgt Ion: 75 Resp: 5834

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.953 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY019159.D

Acq: 20 Aug 2024 18:29

Tgt Ion: 75 Resp: 5834

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#

