

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082024\
 Data File : VY019155.D
 Acq On : 20 Aug 2024 16:52
 Operator : SY/MD
 Sample : P3643-08
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:31:51 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)

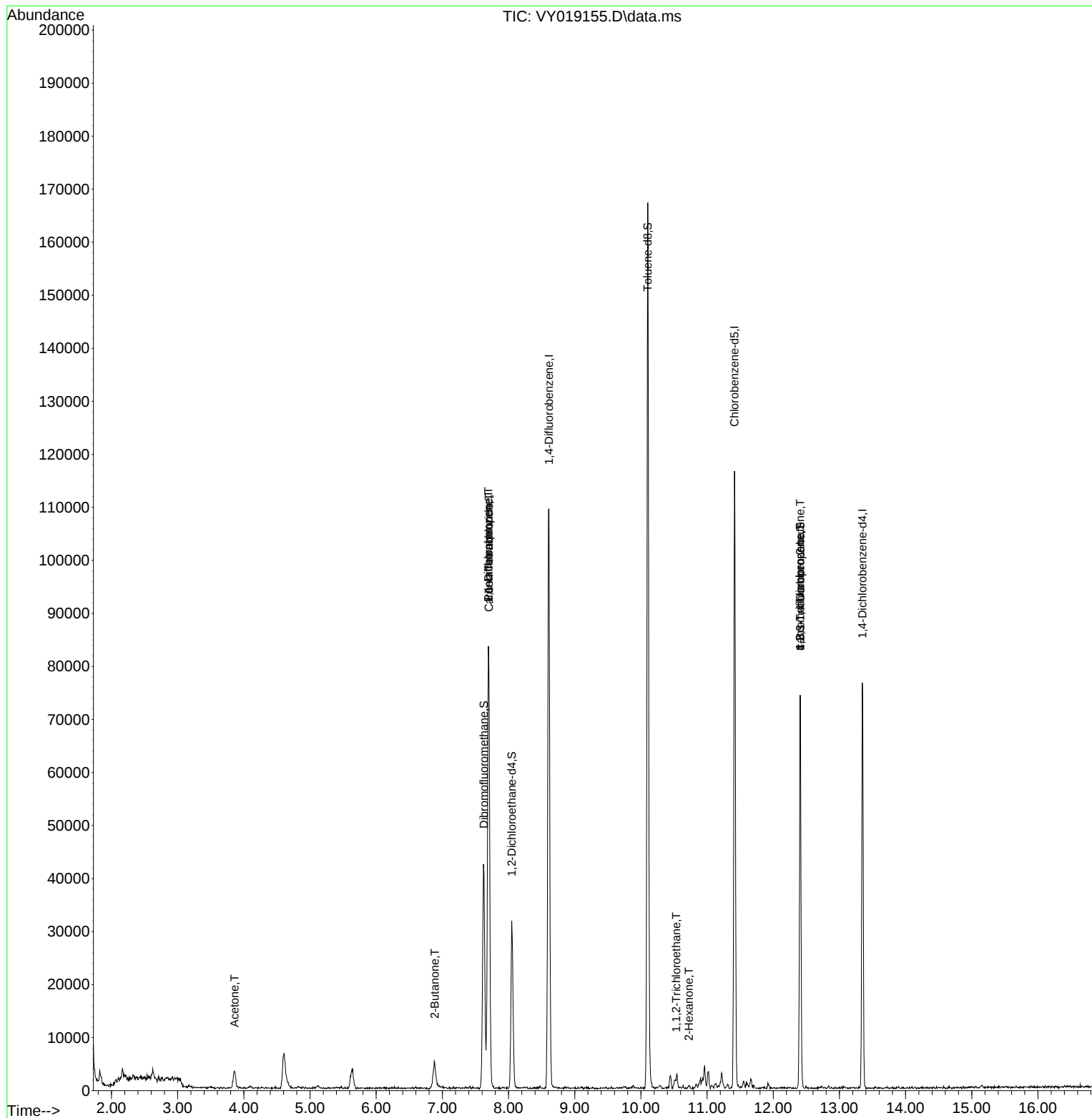
Internal Standards						
1) Pentafluorobenzene	7.695	168	66373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	99081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	64870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	19046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	23686	35.600	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.200%
35) Dibromofluoromethane	7.628	113	28910	44.625	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.240%
50) Toluene-d8	10.103	98	104174	44.683	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.360%
62) 4-Bromofluorobenzene	12.408	95	21882	27.533	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	55.060%
Target Compounds						
					Qvalue	
5) Bromomethane	2.617	94	282	Below Cal	#	48
11) Tert butyl alcohol	4.830	59	145	Below Cal	#	88
16) Acetone	3.860	43	5641	45.717	ug/l #	75
20) Methylene Chloride	4.610	84	4524	Below Cal		88
25) 2-Butanone	6.884	43	1104	5.556	ug/l #	41
31) Cyclohexane	7.701	56	1413	Below Cal	#	28
36) 1,1-Dichloropropene	7.695	75	4918	5.528	ug/l #	49
38) Carbon Tetrachloride	7.701	117	7028	6.817	ug/l #	16
55) 1,1,2-Trichloroethane	10.536	97	1202	2.368	ug/l #	16
59) 2-Hexanone	10.725	43	303	1.042	ug/l #	19
76) 1,2,3-Trichloropropane	12.408	75	11910	63.409	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	11910	156.599	ug/l #	16

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

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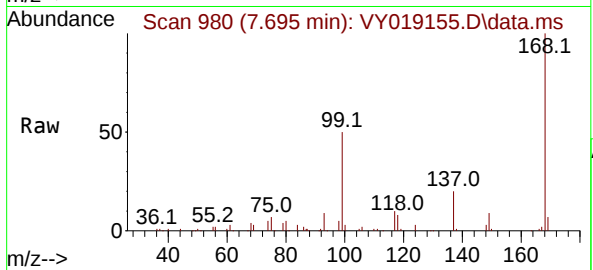
Quant Time: Aug 21 01:31:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 05:10:30 2024
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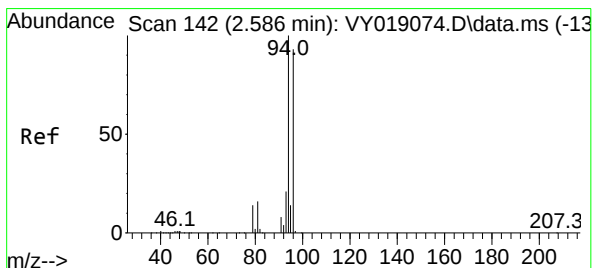
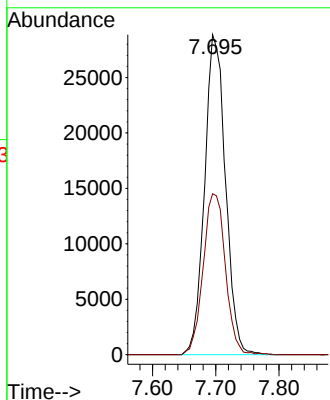
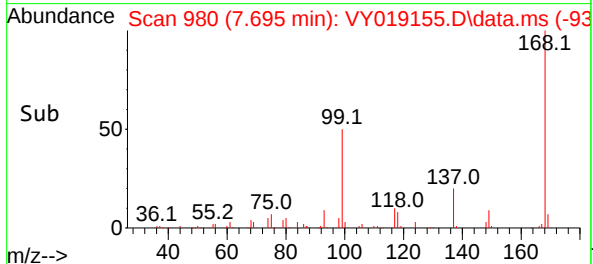


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019155.D
Acq: 20 Aug 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :

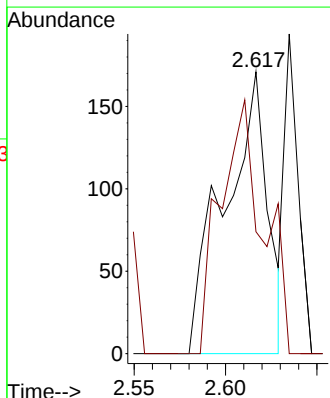
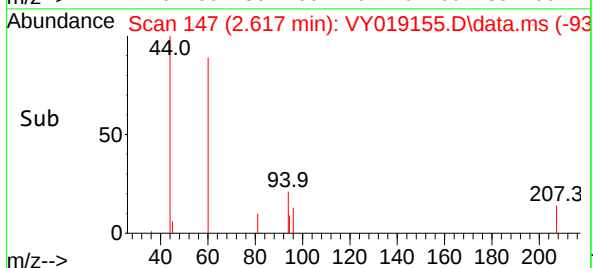
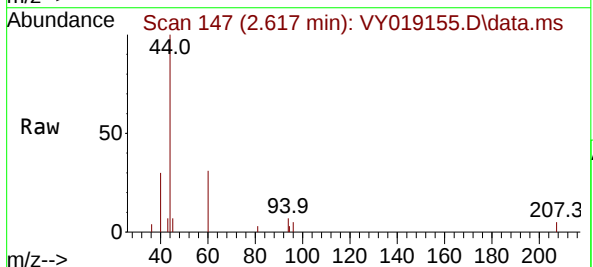


Tgt Ion:168 Resp: 66373
Ion Ratio Lower Upper
168 100
99 50.3 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.617 min Scan# 147
Delta R.T. 0.031 min
Lab File: VY019155.D
Acq: 20 Aug 2024 16:52

Tgt Ion: 94 Resp: 282
Ion Ratio Lower Upper
94 100
96 43.3 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.830 min Scan# 512

Delta R.T. -0.012 min

Lab File: VY019155.D

Acq: 20 Aug 2024 16:52

Instrument :

MSVOA_Y

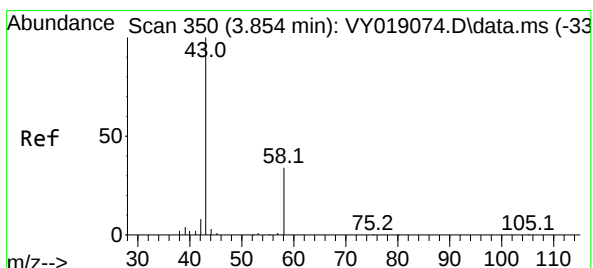
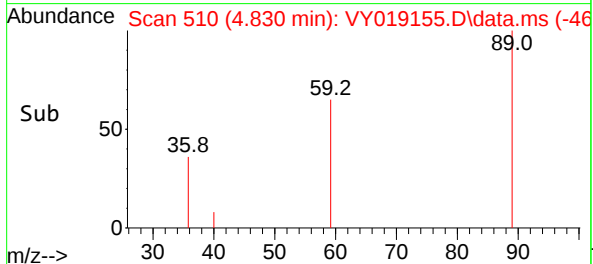
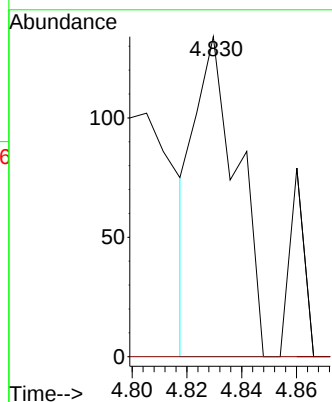
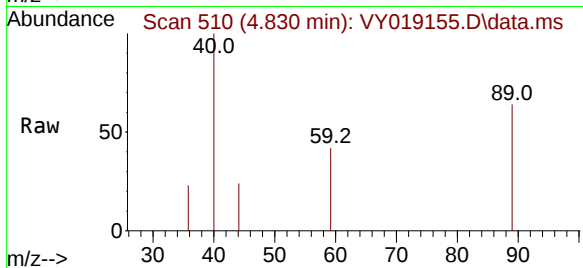
ClientSampleId :

Tgt Ion: 59 Resp: 145

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 45.717 ug/l

RT: 3.860 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY019155.D

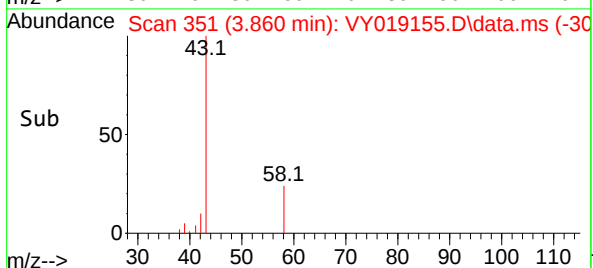
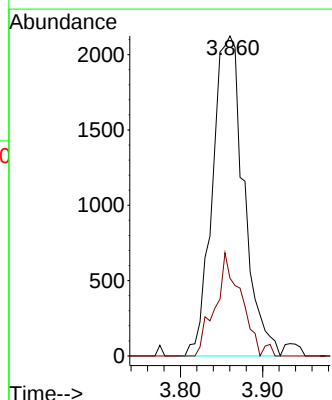
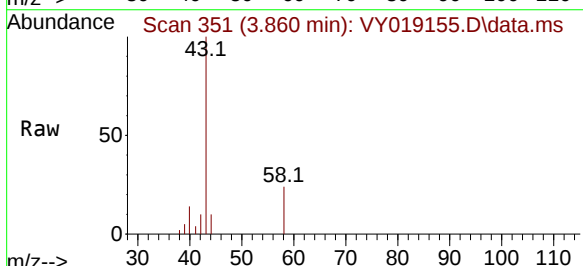
Acq: 20 Aug 2024 16:52

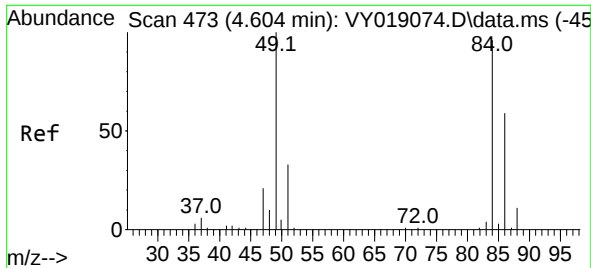
Tgt Ion: 43 Resp: 5641

Ion Ratio Lower Upper

43 100

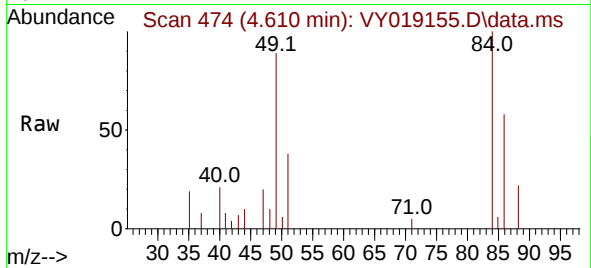
58 24.3 31.7 47.5#



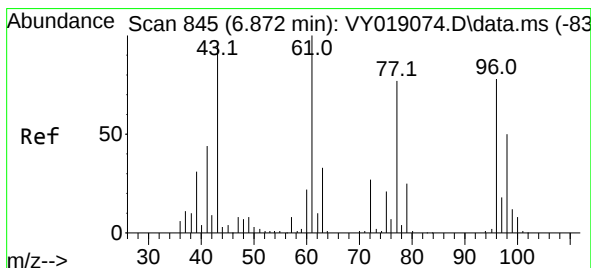
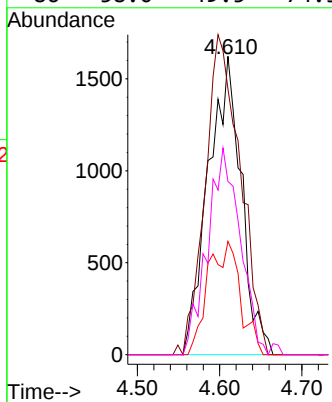


#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY019155.D
Acq: 20 Aug 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :

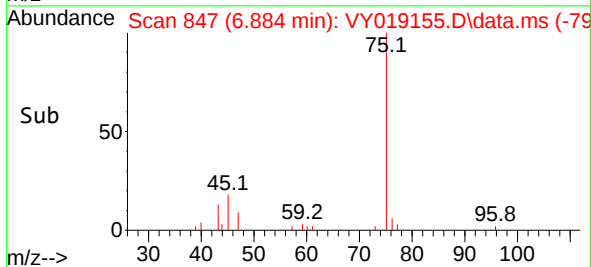
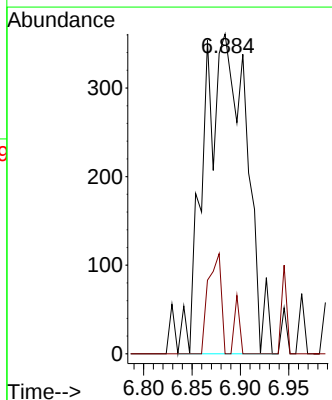
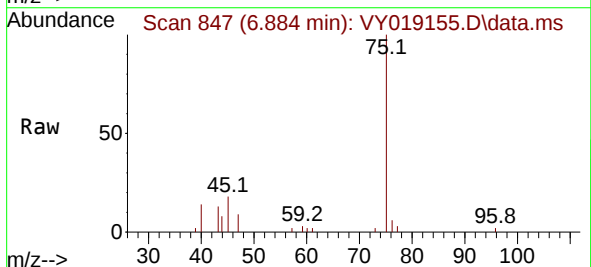


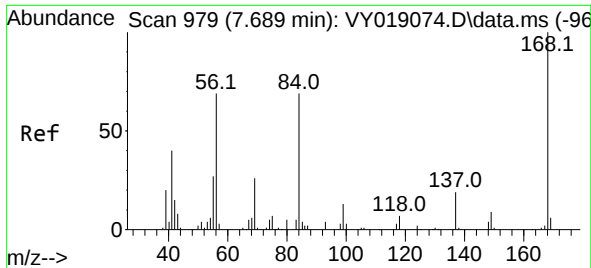
Tgt Ion:	84	Resp:	4524
Ion	Ratio	Lower	Upper
84	100		
49	89.0	84.4	126.6
51	38.0	26.0	39.0
86	58.0	49.5	74.3



#25
2-Butanone
Concen: 5.556 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY019155.D
Acq: 20 Aug 2024 16:52

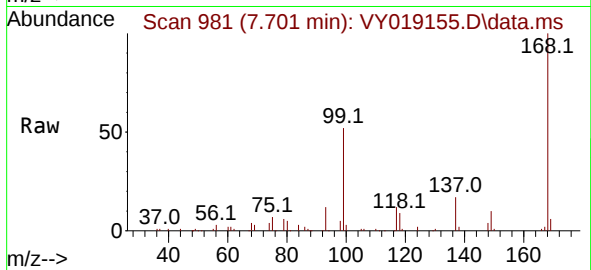
Tgt Ion:	43	Resp:	1104
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#



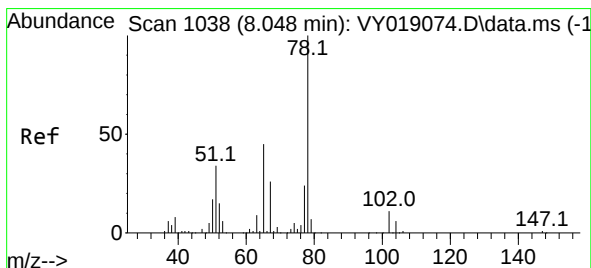
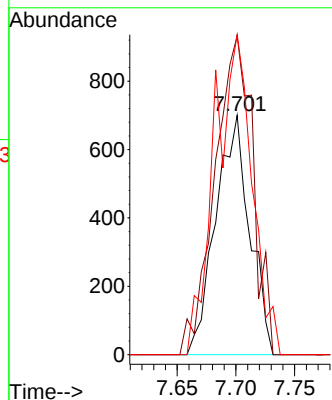
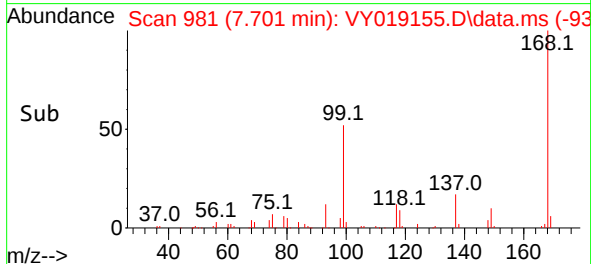


#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019155.D
Acq: 20 Aug 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :

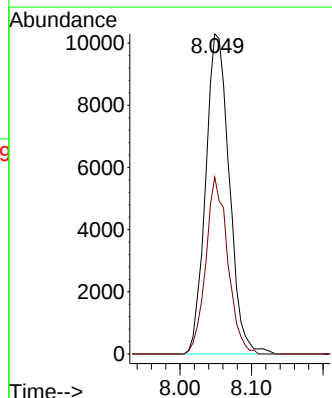
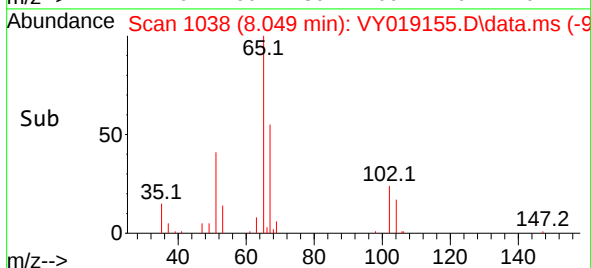
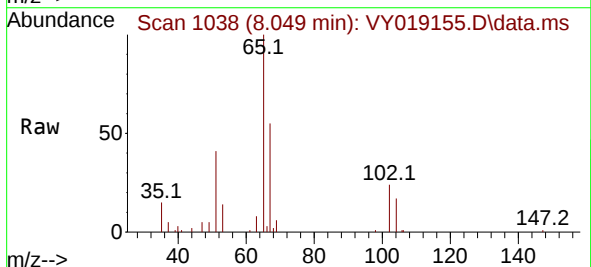


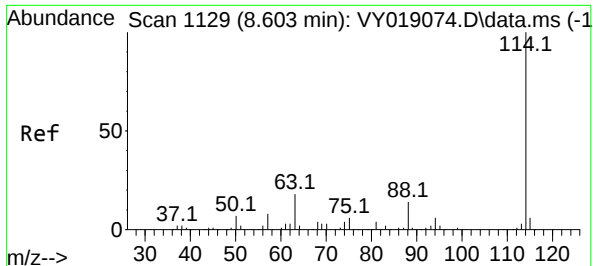
Tgt Ion: 56 Resp: 1413
Ion Ratio Lower Upper
56 100
69 133.3 28.7 43.1#
84 133.7 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 35.600 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY019155.D
Acq: 20 Aug 2024 16:52

Tgt Ion: 65 Resp: 23686
Ion Ratio Lower Upper
65 100
67 51.1 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: VY019155.D

Acq: 20 Aug 2024 16:52

Instrument :

MSVOA_Y

ClientSampleId :

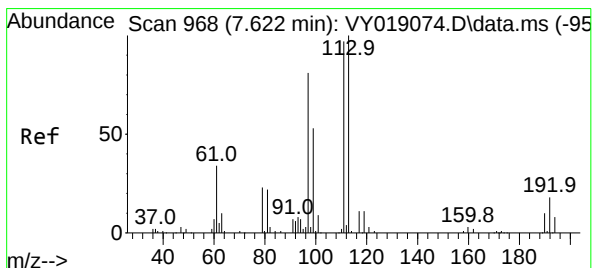
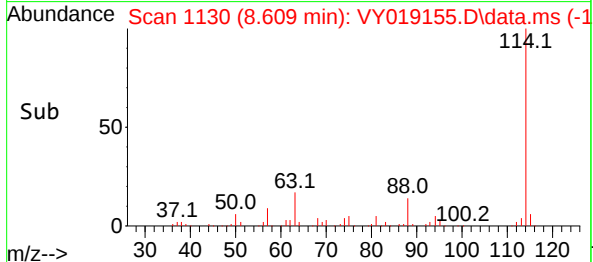
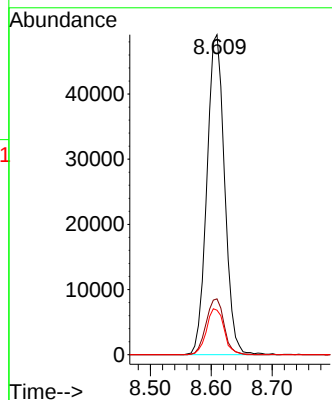
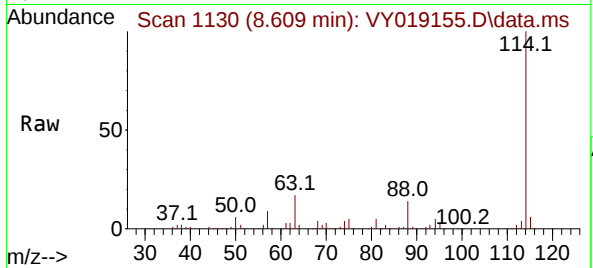
Tgt Ion:114 Resp: 99081

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 13.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 44.625 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019155.D

Acq: 20 Aug 2024 16:52

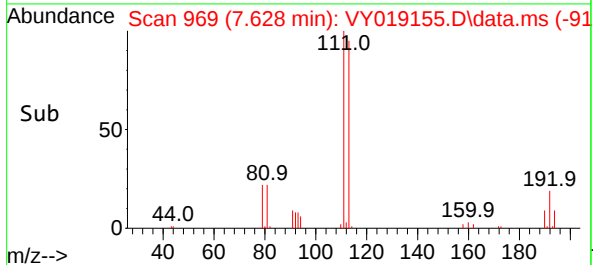
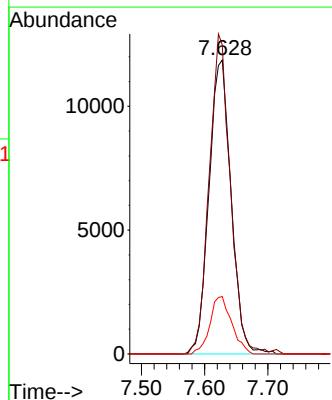
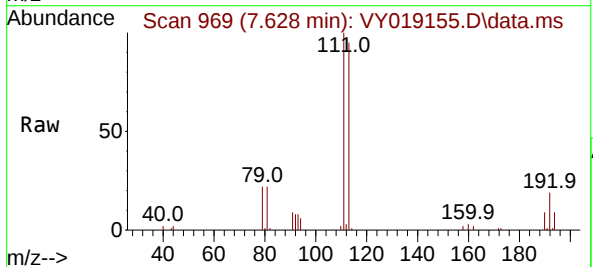
Tgt Ion:113 Resp: 28910

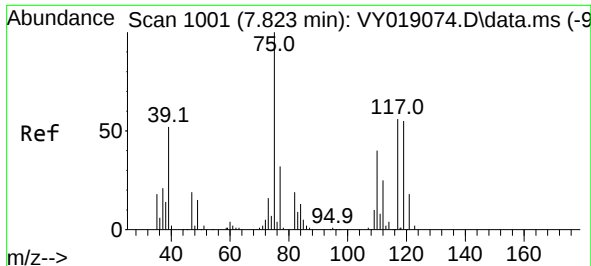
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 19.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.528 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY019155.D

Acq: 20 Aug 2024 16:52

Instrument :

MSVOA_Y

ClientSampleId :

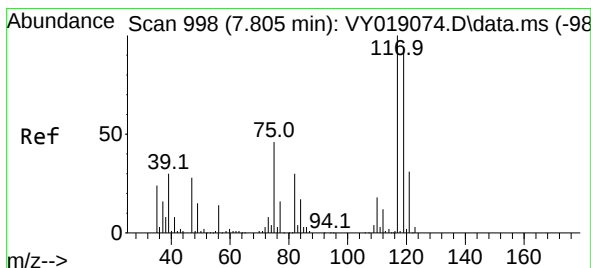
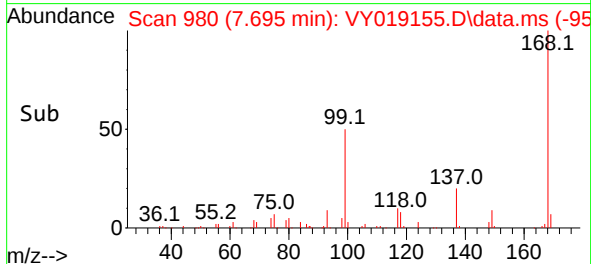
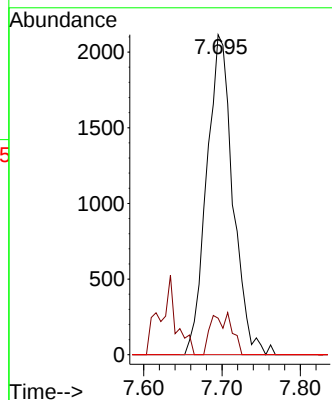
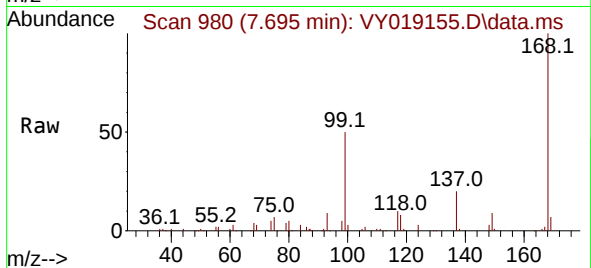
Tgt Ion: 75 Resp: 4918

Ion Ratio Lower Upper

75 100

110 10.3 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.817 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.103 min

Lab File: VY019155.D

Acq: 20 Aug 2024 16:52

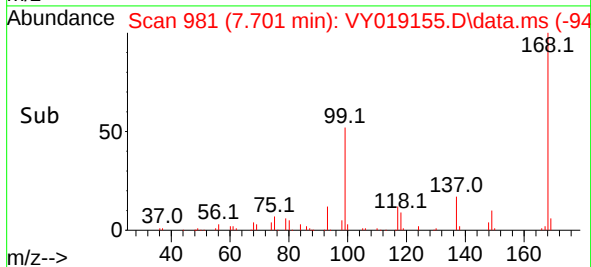
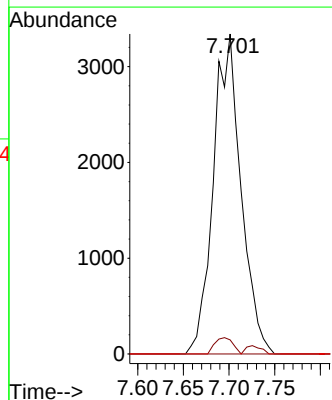
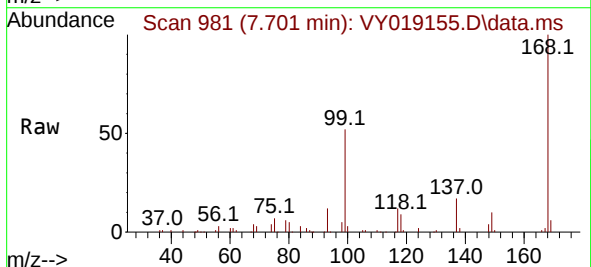
Tgt Ion: 117 Resp: 7028

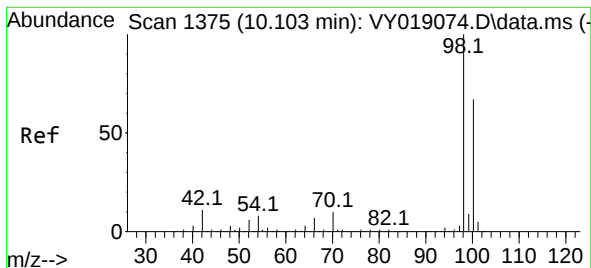
Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.6#

121 0.0 24.0 36.0#

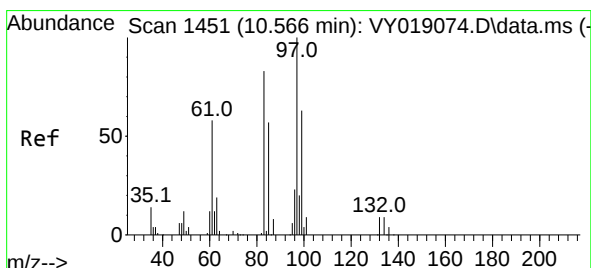
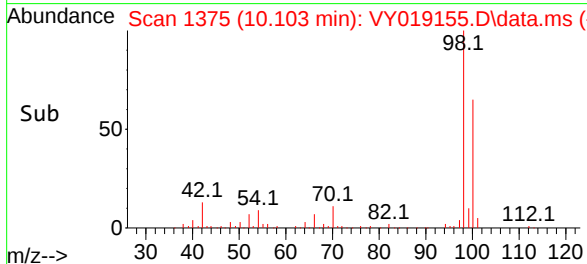
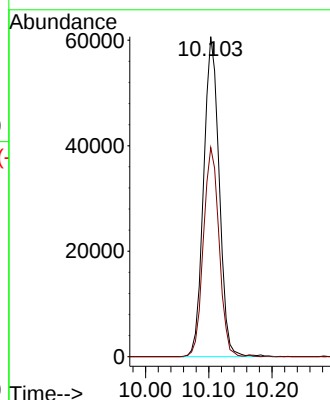
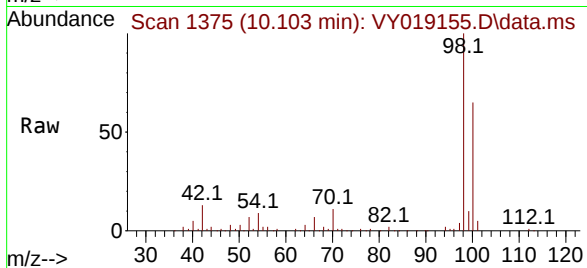




#50
Toluene-d8
Concen: 44.683 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019155.D
Acq: 20 Aug 2024 16:52

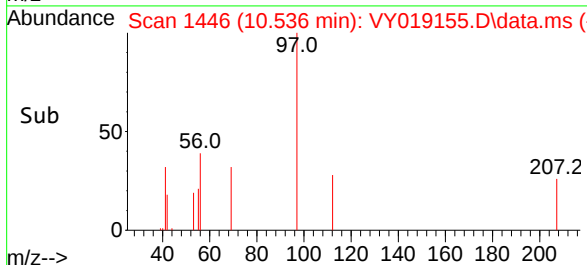
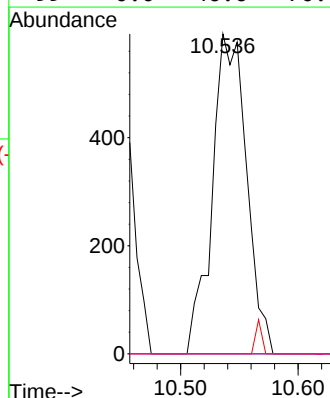
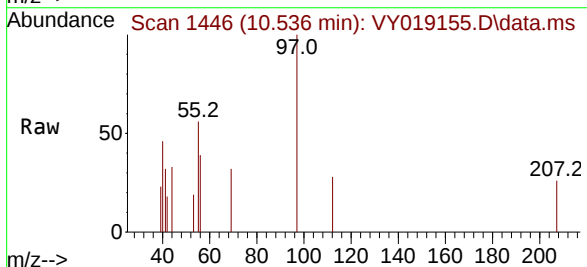
Instrument :
MSVOA_Y
ClientSampleId :

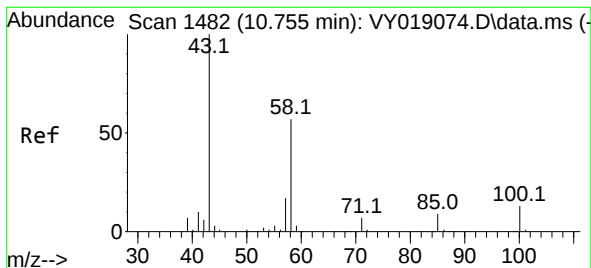
Tgt Ion: 98 Resp: 104174
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#55
1,1,2-Trichloroethane
Concen: 2.368 ug/l
RT: 10.536 min Scan# 1446
Delta R.T. -0.030 min
Lab File: VY019155.D
Acq: 20 Aug 2024 16:52

Tgt Ion: 97 Resp: 1202
Ion Ratio Lower Upper
97 100
83 0.0 67.5 101.3#
85 0.0 42.9 64.3#
99 0.0 46.6 70.0#

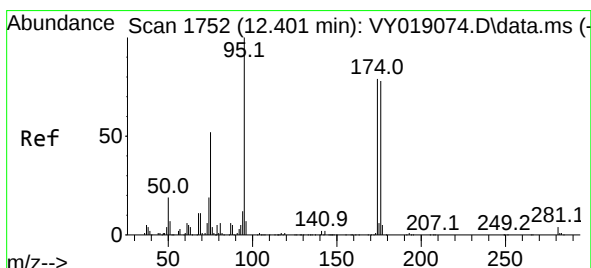
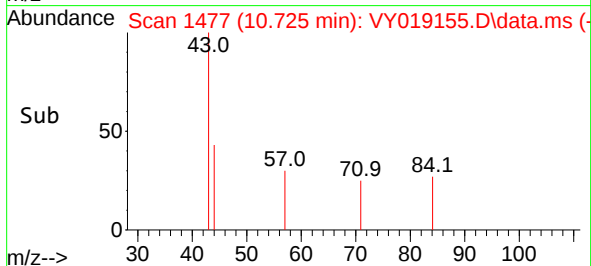
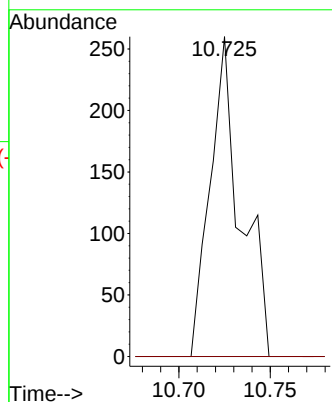
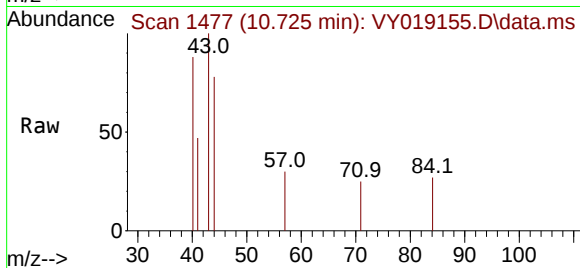




#59
2-Hexanone
Concen: 1.042 ug/l
RT: 10.725 min Scan# 1482
Delta R.T. -0.030 min
Lab File: VY019155.D
Acq: 20 Aug 2024 16:52

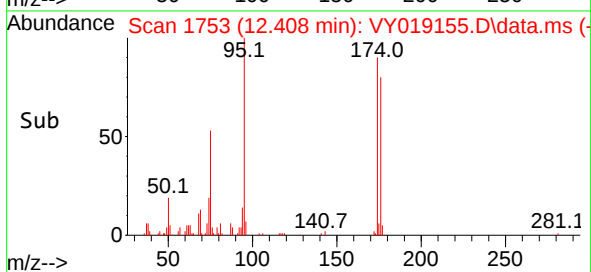
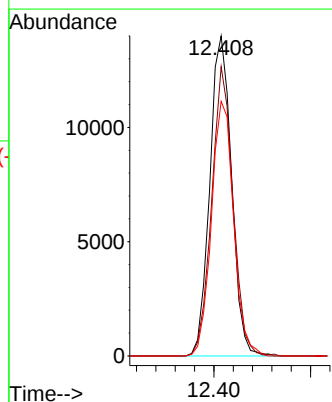
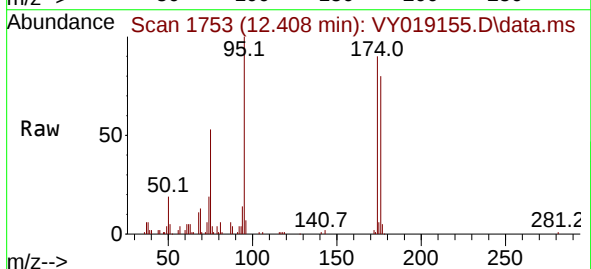
Instrument :
MSVOA_Y
ClientSampleId :

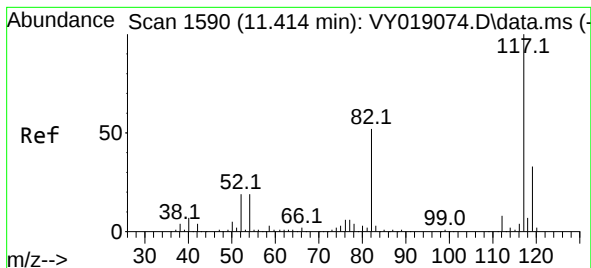
Tgt Ion: 43 Resp: 303
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 27.533 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019155.D
Acq: 20 Aug 2024 16:52

Tgt Ion: 95 Resp: 21882
Ion Ratio Lower Upper
95 100
174 88.3 0.0 175.6
176 81.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019155.D

Acq: 20 Aug 2024 16:52

Instrument :

MSVOA_Y

ClientSampleId :

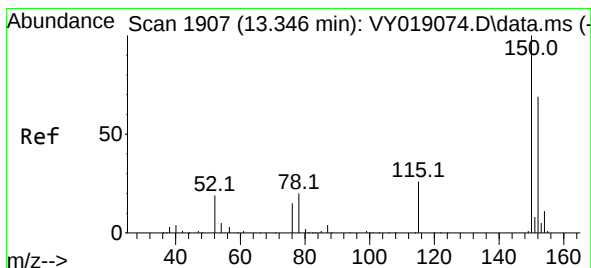
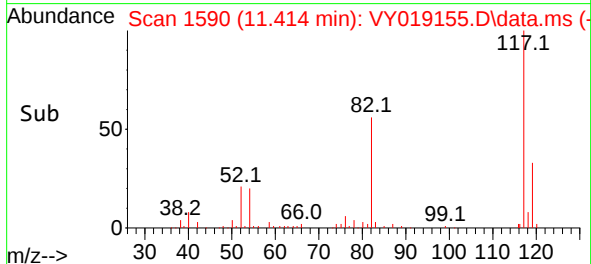
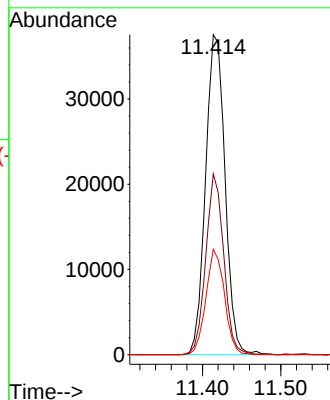
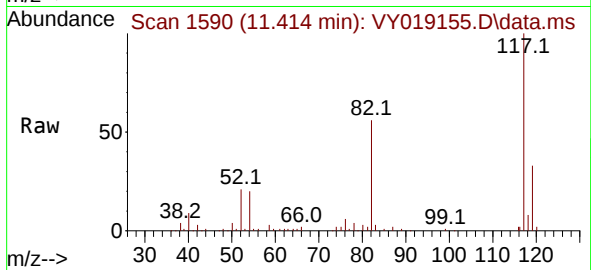
Tgt Ion:117 Resp: 64870

Ion Ratio Lower Upper

117 100

82 56.5 42.4 63.6

119 33.0 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: VY019155.D

Acq: 20 Aug 2024 16:52

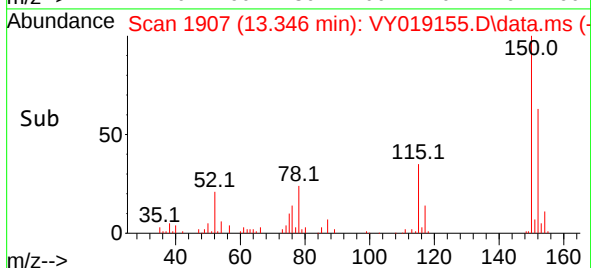
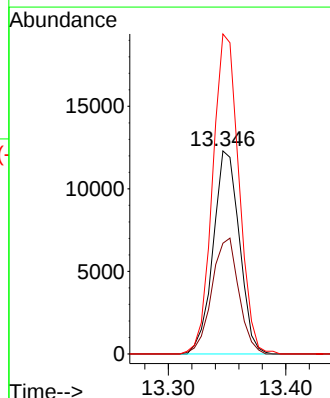
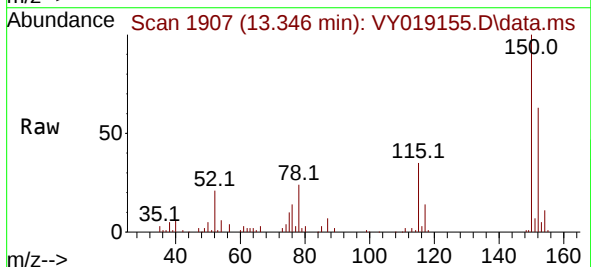
Tgt Ion:152 Resp: 19046

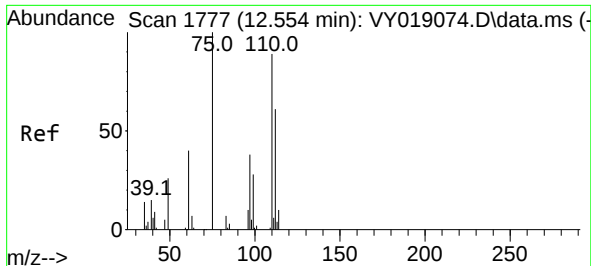
Ion Ratio Lower Upper

152 100

115 58.8 28.2 84.7

150 157.7 0.0 345.6

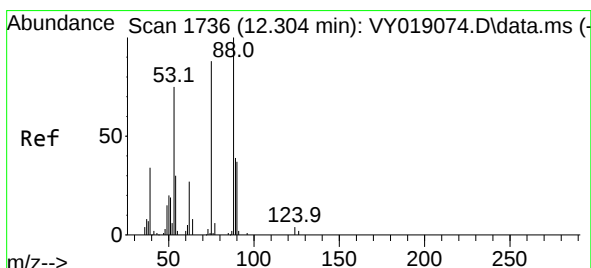
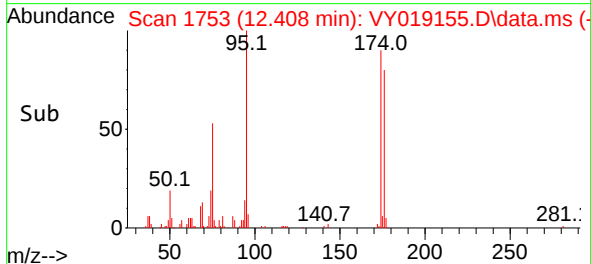
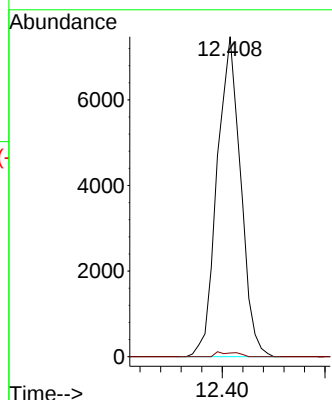
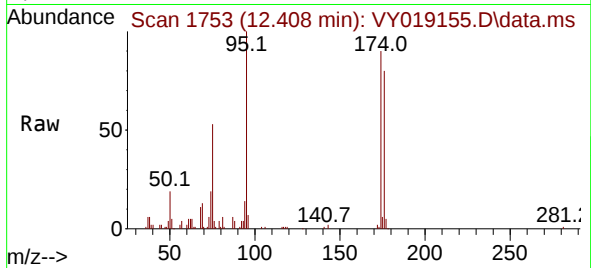




#76
1,2,3-Trichloropropane
Concen: 63.409 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019155.D
Acq: 20 Aug 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 11910
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 156.599 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019155.D
Acq: 20 Aug 2024 16:52

Tgt Ion: 75 Resp: 11910
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

