

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082024\
 Data File : VY019158.D
 Acq On : 20 Aug 2024 18:05
 Operator : SY/MD
 Sample : P3643-11
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:32:58 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)

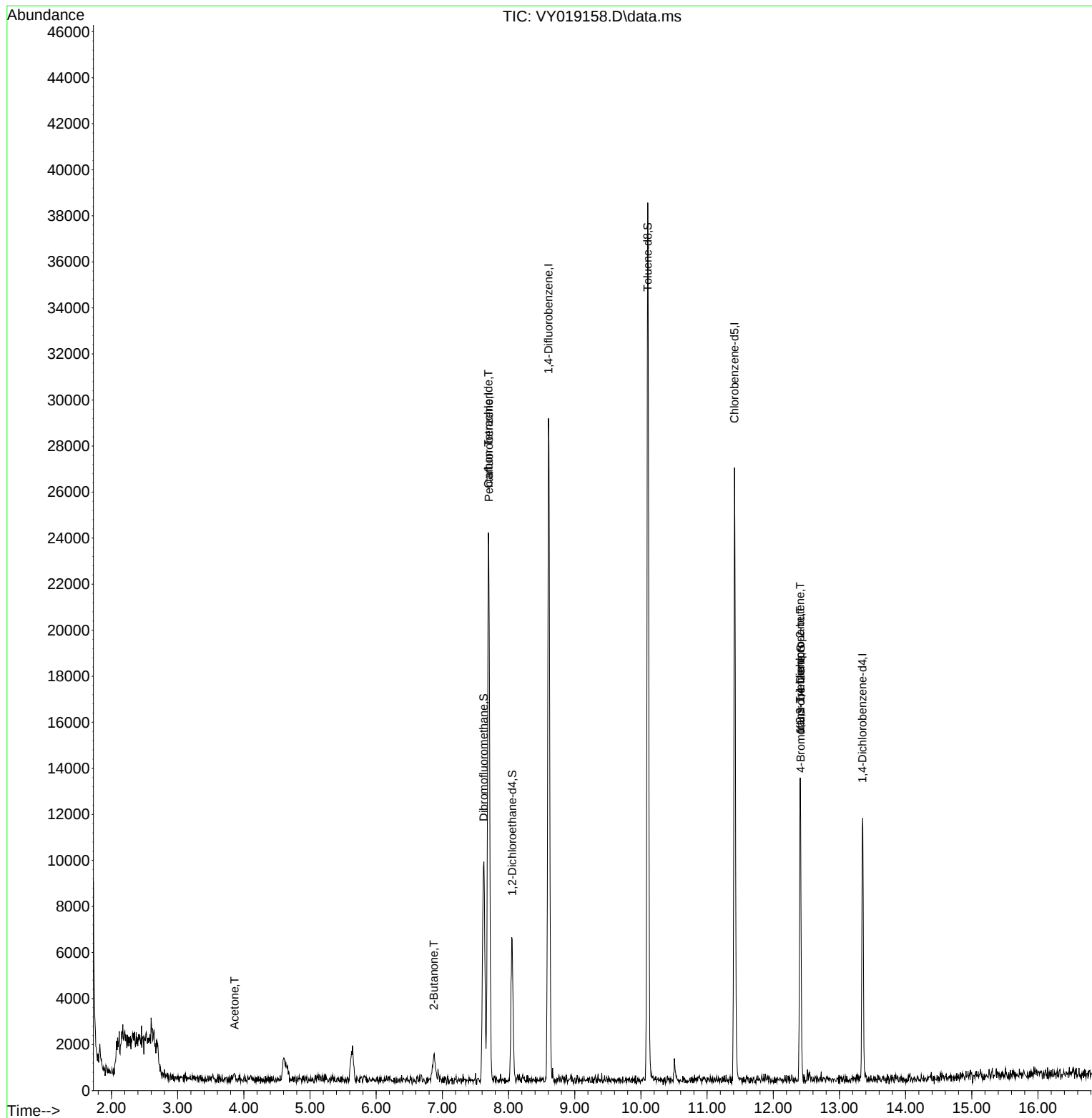
Internal Standards						
1) Pentafluorobenzene	7.701	168	19049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	25960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	14503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	3153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	4928	25.808	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	51.620%
35) Dibromofluoromethane	7.622	113	7103	41.846	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.700%
50) Toluene-d8	10.103	98	25637	41.970	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.940%
62) 4-Bromofluorobenzene	12.414	95	3908	18.767	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	37.540%
Target Compounds						
					Qvalue	
5) Bromomethane	2.592	94	105	Below Cal	#	62
6) Chloroethane	2.684	64	19	Below Cal	#	42
16) Acetone	3.860	43	626	17.677	ug/l #	36
20) Methylene Chloride	4.592	84	826	Below Cal	#	65
25) 2-Butanone	6.872	43	64	1.122	ug/l #	41
31) Cyclohexane	7.707	56	292	Below Cal	#	74
38) Carbon Tetrachloride	7.695	117	2065	7.645	ug/l #	13
76) 1,2,3-Trichloropropane	12.408	75	2266	72.875	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	2266	179.977	ug/l #	17

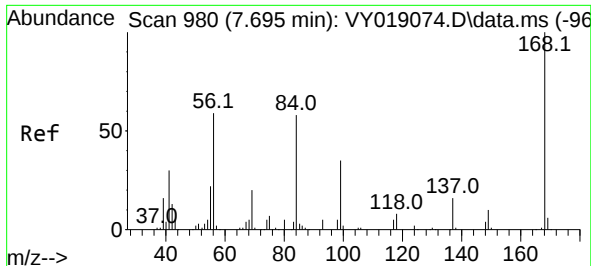
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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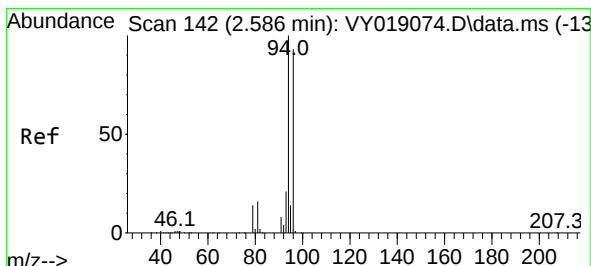
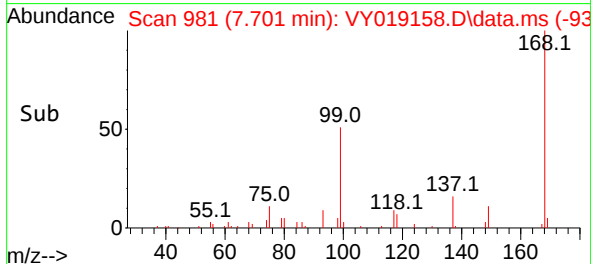
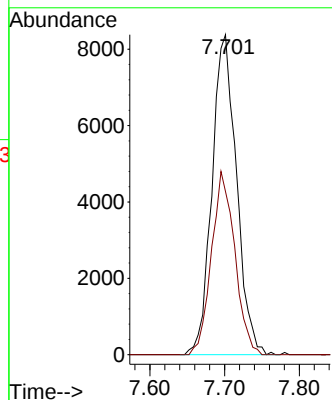
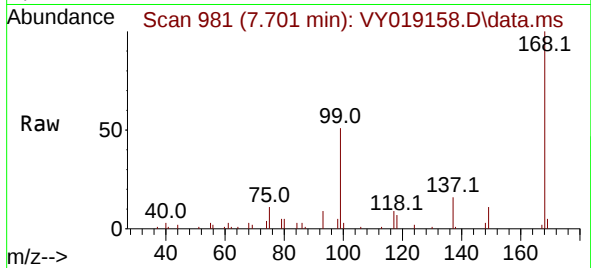




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019158.D
Acq: 20 Aug 2024 18:05

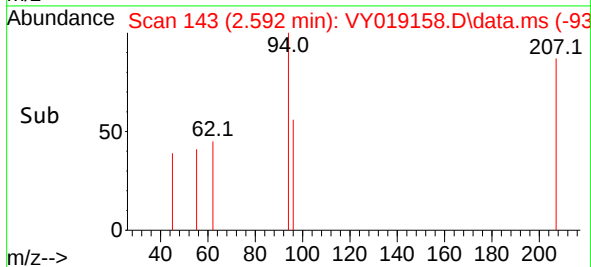
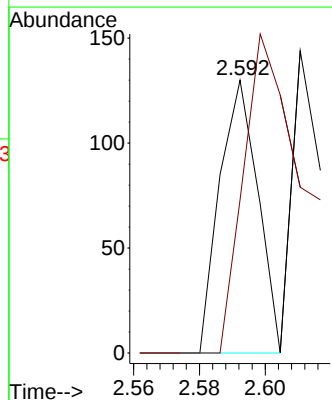
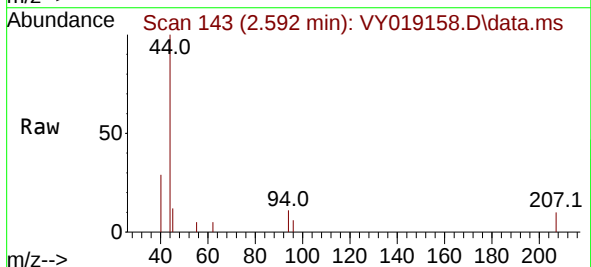
Instrument :
MSVOA_Y
ClientSampleId :

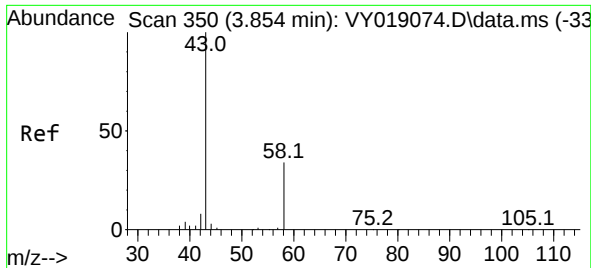
Tgt Ion:168 Resp: 19049
Ion Ratio Lower Upper
168 100
99 51.0 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.592 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY019158.D
Acq: 20 Aug 2024 18:05

Tgt Ion: 94 Resp: 105
Ion Ratio Lower Upper
94 100
96 56.2 74.1 111.1#





#16

Acetone

Concen: 17.677 ug/l

RT: 3.860 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY019158.D

Acq: 20 Aug 2024 18:05

Instrument :

MSVOA_Y

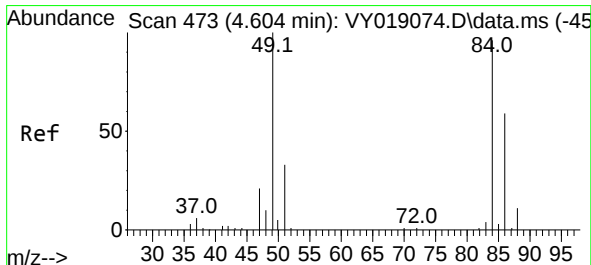
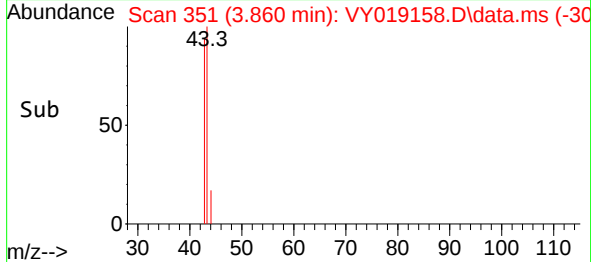
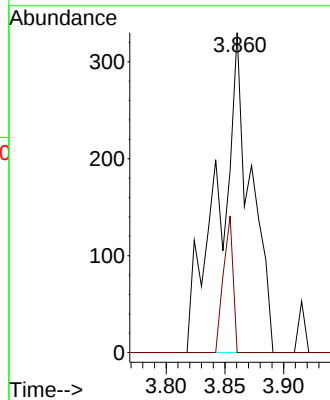
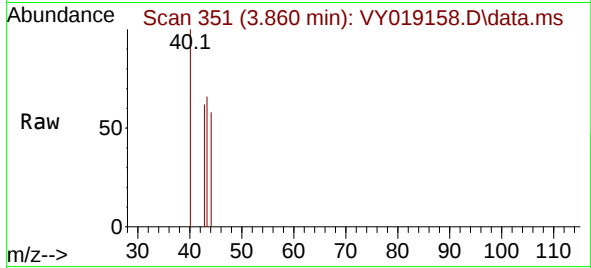
ClientSampleId :

Tgt Ion: 43 Resp: 626

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.592 min Scan# 471

Delta R.T. -0.012 min

Lab File: VY019158.D

Acq: 20 Aug 2024 18:05

Tgt Ion: 84 Resp: 826

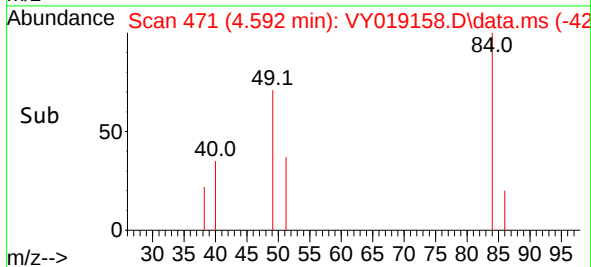
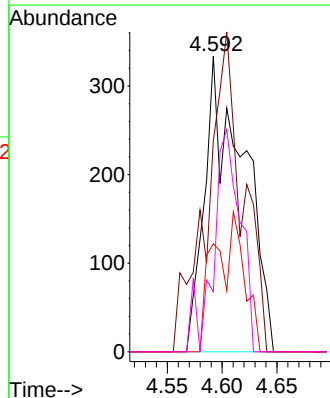
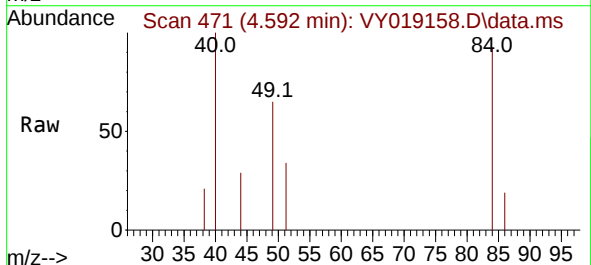
Ion Ratio Lower Upper

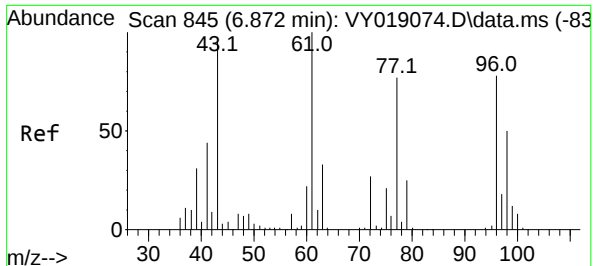
84 100

49 71.3 84.4 126.6#

51 36.5 26.0 39.0

86 20.4 49.5 74.3#





#25

2-Butanone

Concen: 1.122 ug/l

RT: 6.872 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY019158.D

Acq: 20 Aug 2024 18:05

Instrument :

MSVOA_Y

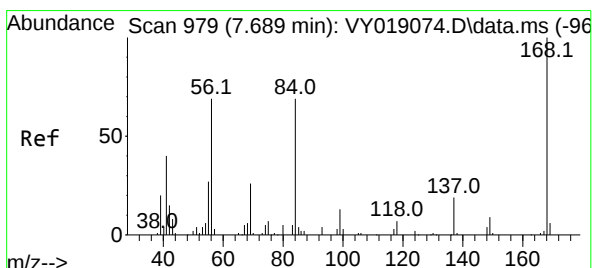
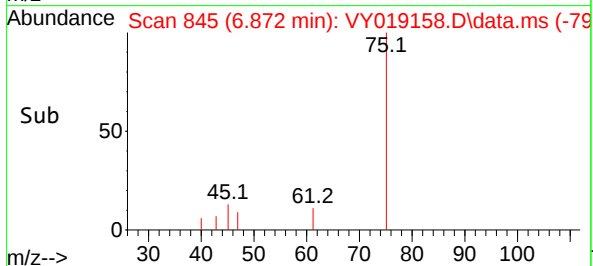
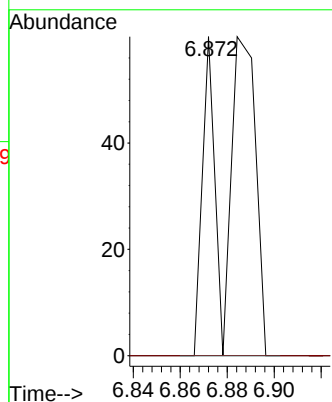
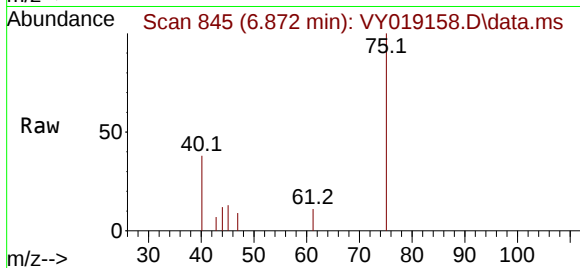
ClientSampleId :

Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.707 min Scan# 982

Delta R.T. 0.018 min

Lab File: VY019158.D

Acq: 20 Aug 2024 18:05

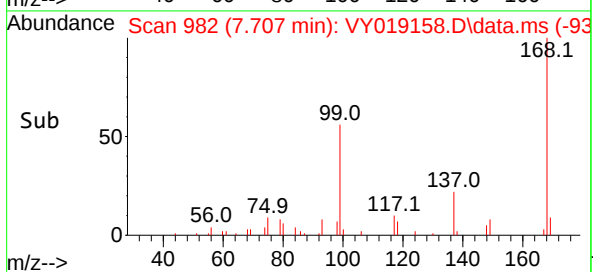
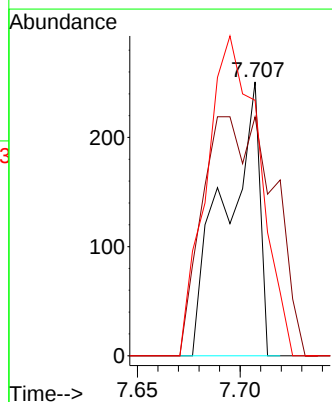
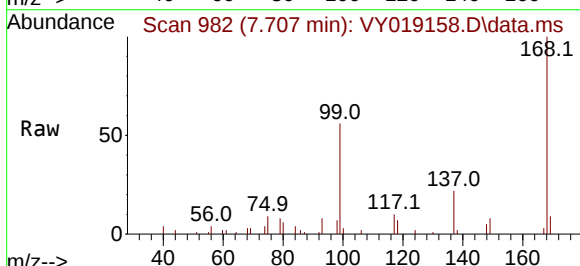
Tgt Ion: 56 Resp: 292

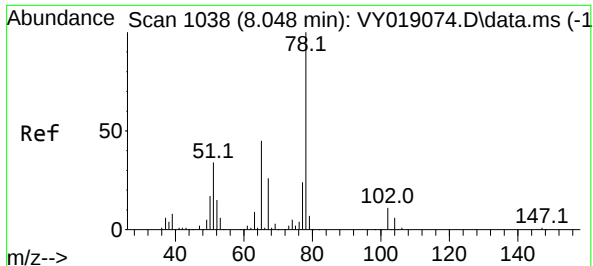
Ion Ratio Lower Upper

56 100

69 87.3 28.7 43.1#

84 93.2 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 25.808 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY019158.D

Acq: 20 Aug 2024 18:05

Instrument :

MSVOA_Y

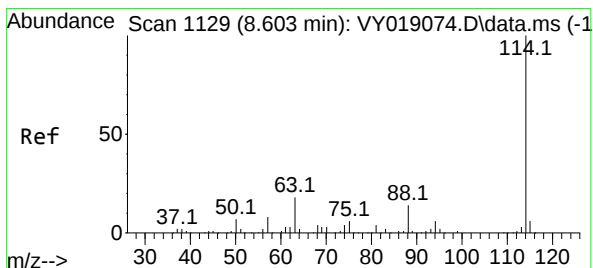
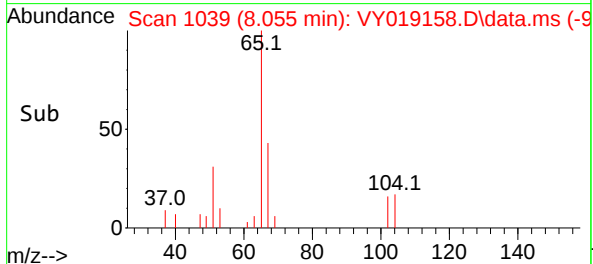
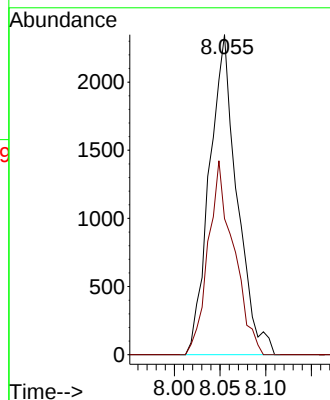
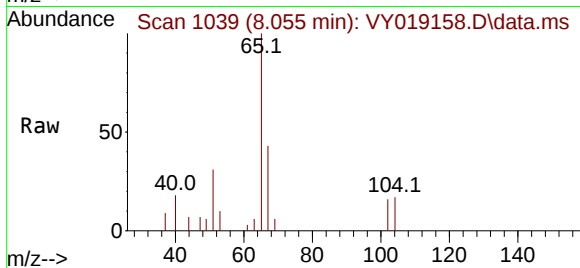
ClientSampleId :

Tgt Ion: 65 Resp: 4928

Ion Ratio Lower Upper

65 100

67 56.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY019158.D

Acq: 20 Aug 2024 18:05

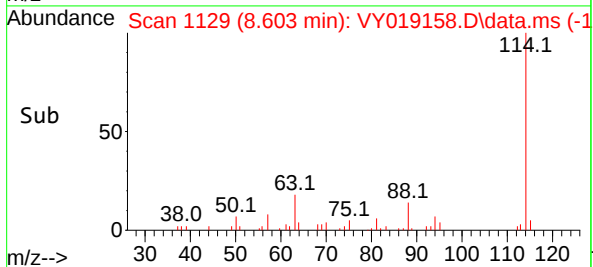
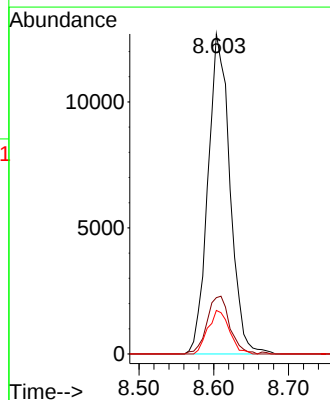
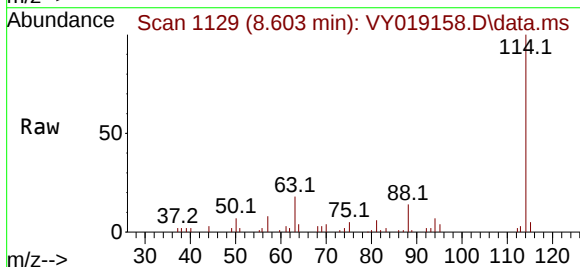
Tgt Ion: 114 Resp: 25960

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

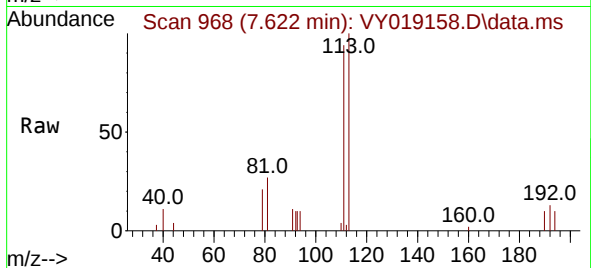
88 13.6 0.0 27.2



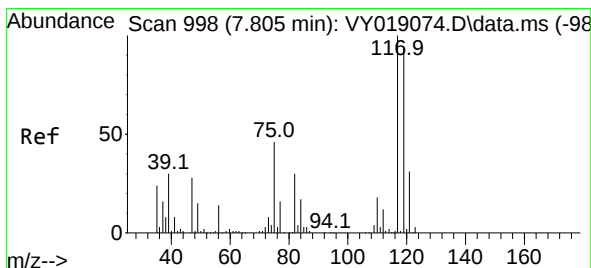
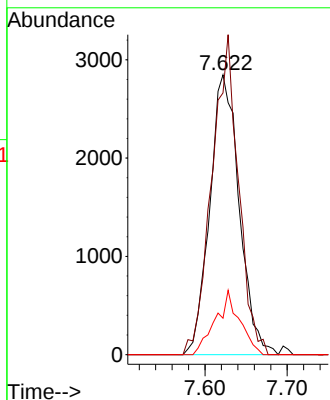
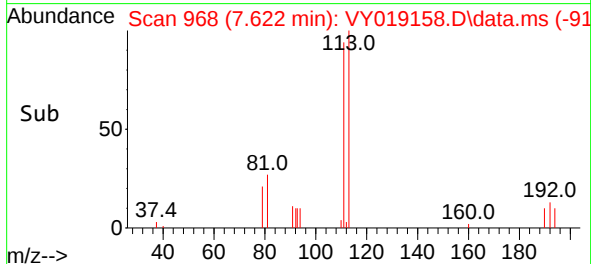


#35
Dibromofluoromethane
Concen: 41.846 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019158.D
Acq: 20 Aug 2024 18:05

Instrument :
MSVOA_Y
ClientSampleId :

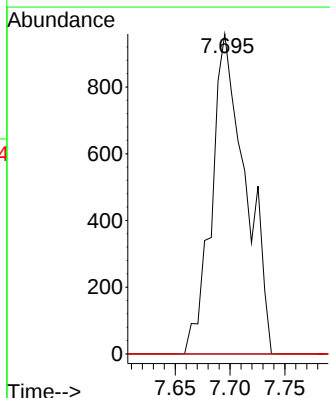
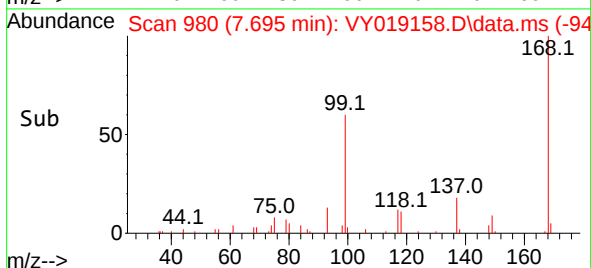
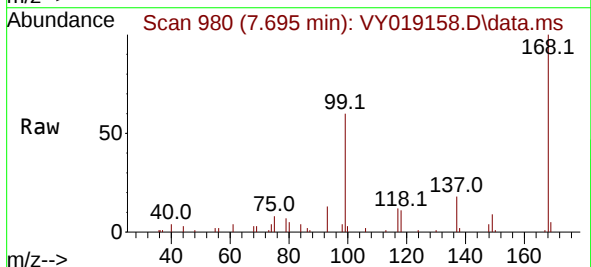


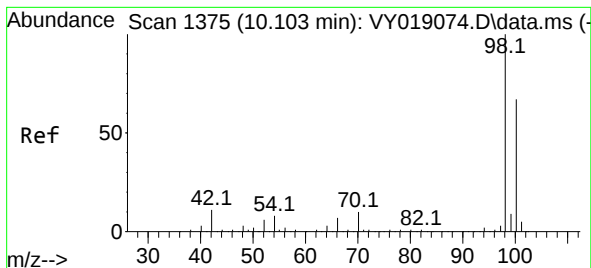
Tgt Ion:	113	Resp:	7103
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	18.9	15.9	23.9



#38
Carbon Tetrachloride
Concen: 7.645 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.109 min
Lab File: VY019158.D
Acq: 20 Aug 2024 18:05

Tgt Ion:	117	Resp:	2065
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.6#
121	0.0	24.0	36.0#





#50

Toluene-d8

Concen: 41.970 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019158.D

Acq: 20 Aug 2024 18:05

Instrument :

MSVOA_Y

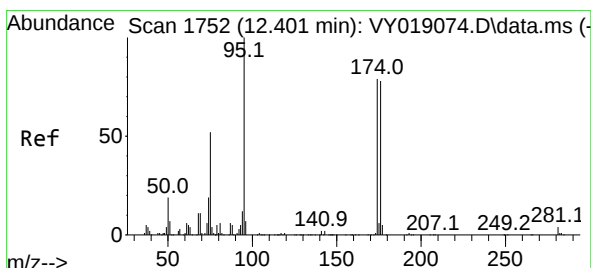
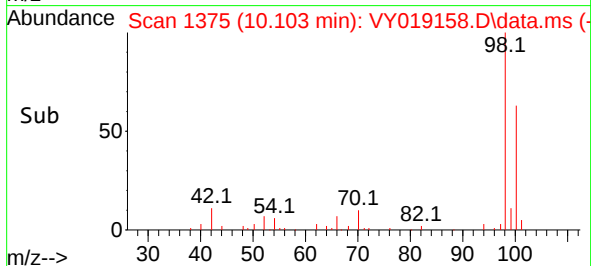
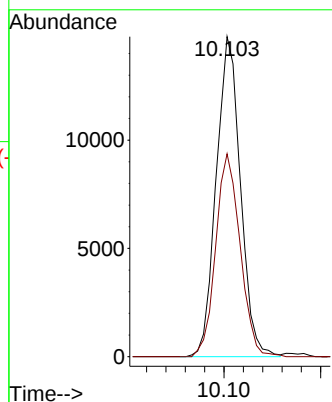
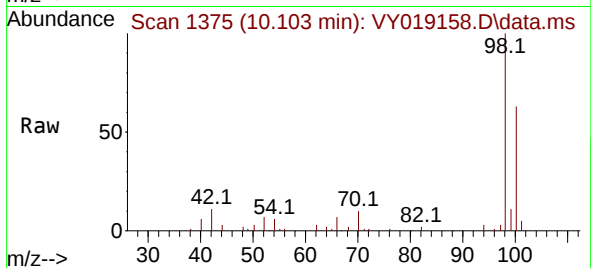
ClientSampleId :

Tgt Ion: 98 Resp: 25637

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 18.767 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.012 min

Lab File: VY019158.D

Acq: 20 Aug 2024 18:05

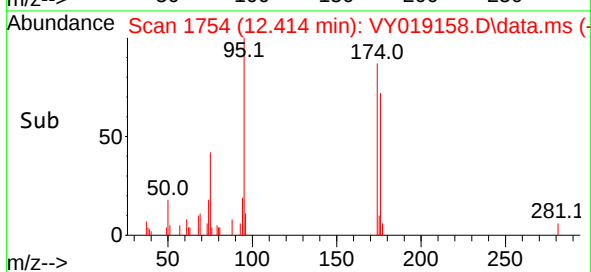
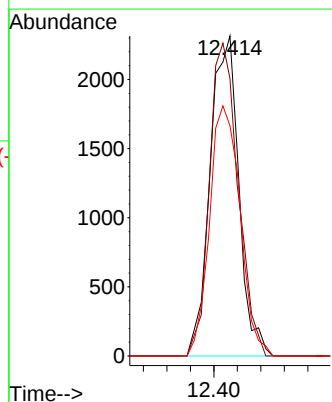
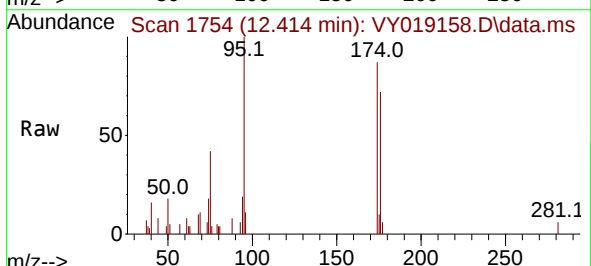
Tgt Ion: 95 Resp: 3908

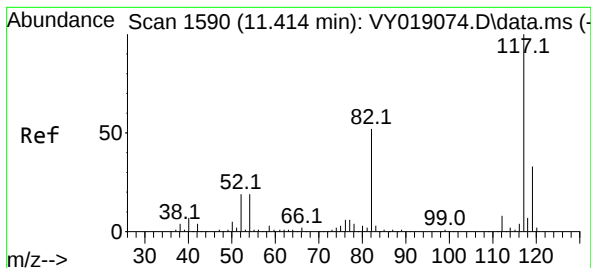
Ion Ratio Lower Upper

95 100

174 98.0 0.0 175.6

176 83.5 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: VY019158.D

Acq: 20 Aug 2024 18:05

Instrument :

MSVOA_Y

ClientSampleId :

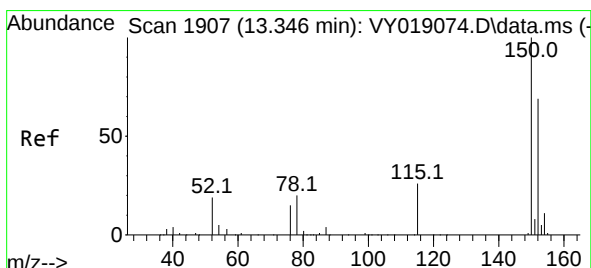
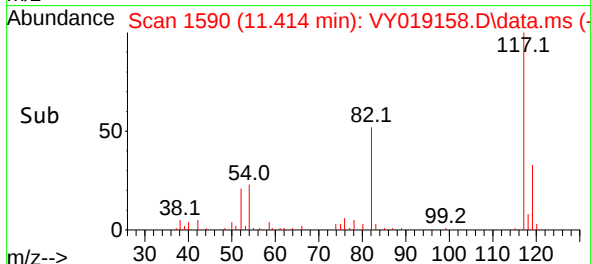
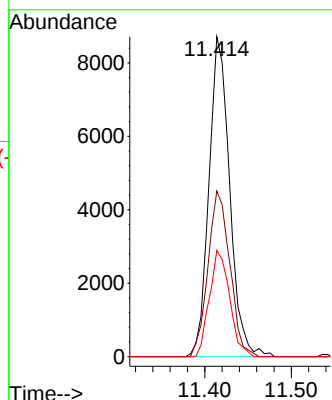
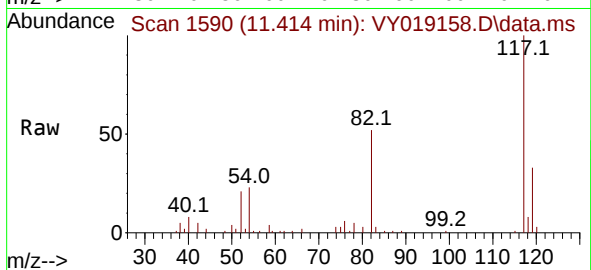
Tgt Ion:117 Resp: 14503

Ion Ratio Lower Upper

117 100

82 51.8 42.4 63.6

119 33.2 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019158.D

Acq: 20 Aug 2024 18:05

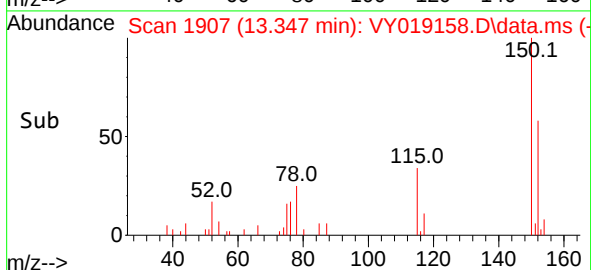
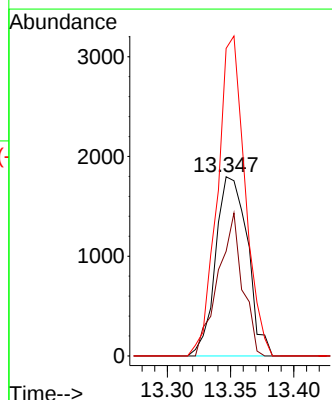
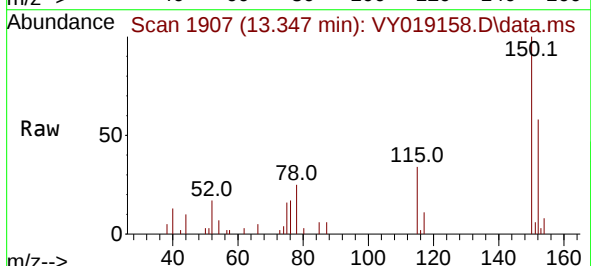
Tgt Ion:152 Resp: 3153

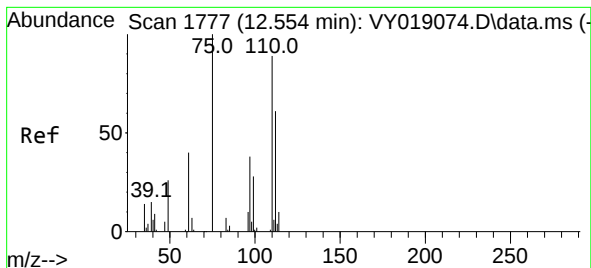
Ion Ratio Lower Upper

152 100

115 61.4 28.2 84.7

150 154.9 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 72.875 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019158.D

Acq: 20 Aug 2024 18:05

Instrument :

MSVOA_Y

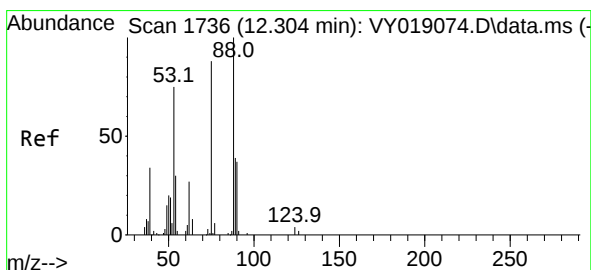
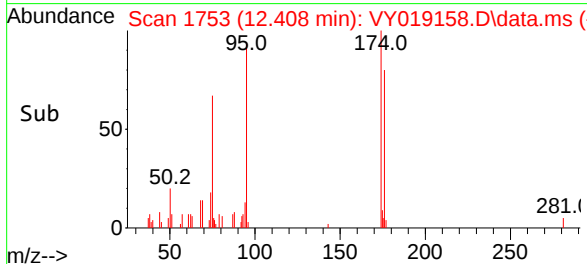
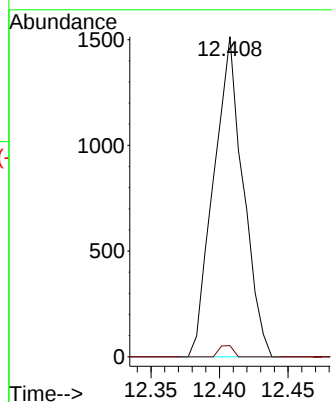
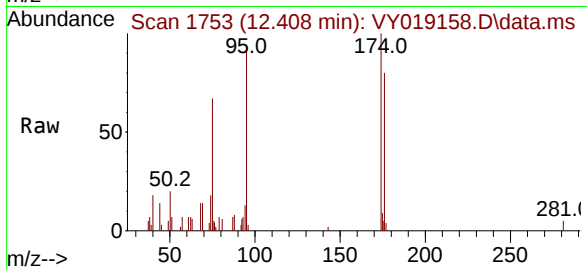
ClientSampleId :

Tgt Ion: 75 Resp: 2266

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 179.977 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY019158.D

Acq: 20 Aug 2024 18:05

Tgt Ion: 75 Resp: 2266

Ion Ratio Lower Upper

75 100

53 1.4 66.8 100.2#

89 0.0 35.8 53.6#

