

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
 Data File : VY019358.D
 Acq On : 29 Aug 2024 05:05
 Operator : SY/MD
 Sample : P3737-05
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 29 06:01:10 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)

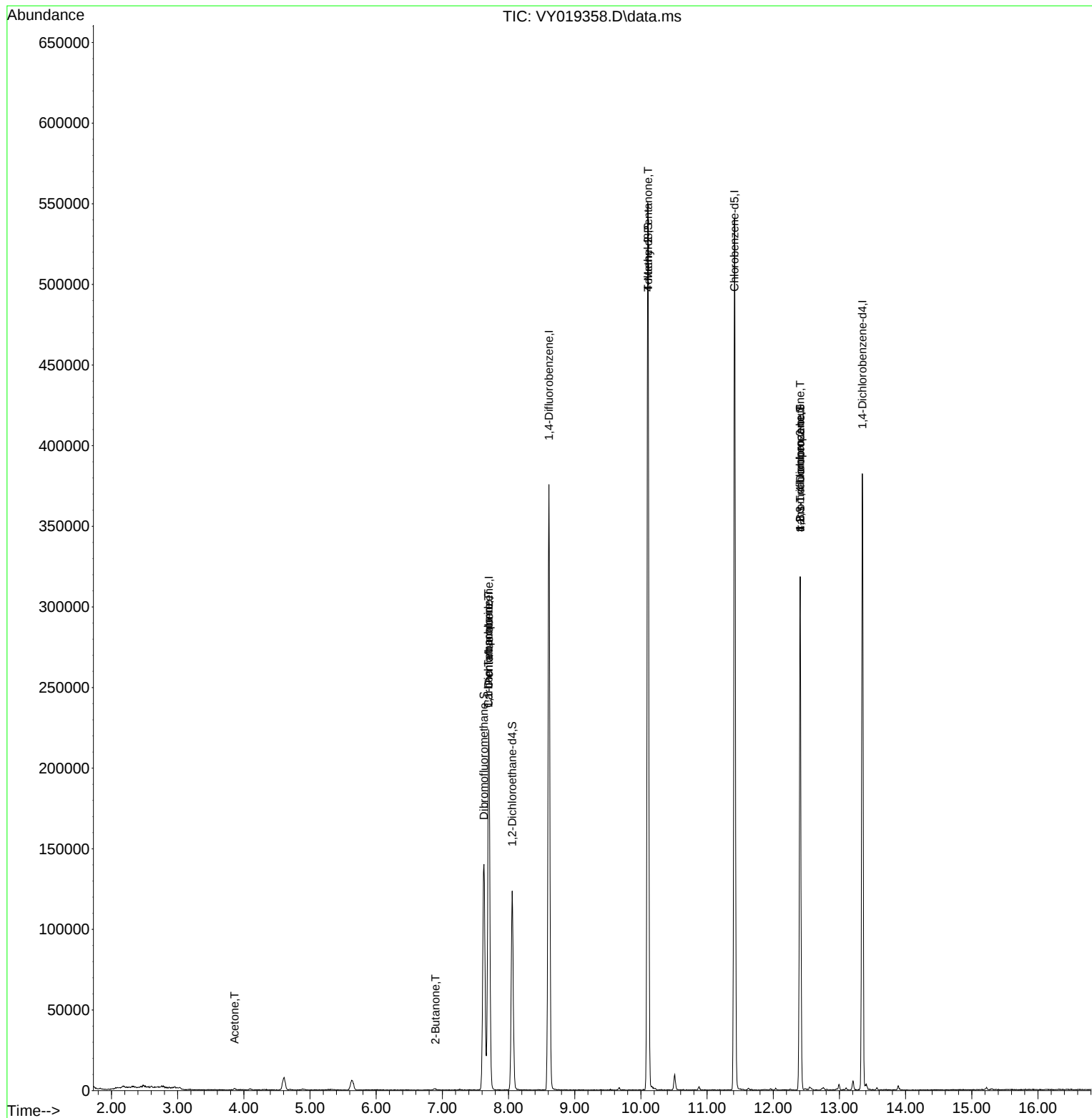
Internal Standards						
1) Pentafluorobenzene	7.701	168	175759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	317286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	288486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	95857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	95040	53.943	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.880%	
35) Dibromofluoromethane	7.628	113	98838	47.642	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.280%	
50) Toluene-d8	10.109	98	358337	47.997	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.000%	
62) 4-Bromofluorobenzene	12.408	95	90237	35.456	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 70.920%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	383	Below Cal	#	19
6) Chloroethane	2.751	64	52	Below Cal	#	42
11) Tert butyl alcohol	4.811	59	67	Below Cal	#	88
16) Acetone	3.860	43	1547	4.735	ug/l	89
20) Methylene Chloride	4.610	84	6031	Below Cal		93
25) 2-Butanone	6.896	43	1014	1.927	ug/l #	71
31) Cyclohexane	7.695	56	3550	Below Cal	#	47
36) 1,1-Dichloropropene	7.695	75	13133	4.610	ug/l #	48
38) Carbon Tetrachloride	7.695	117	17384	5.266	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	1642	1.212	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	48273	51.065	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	48273	126.114	ug/l #	16

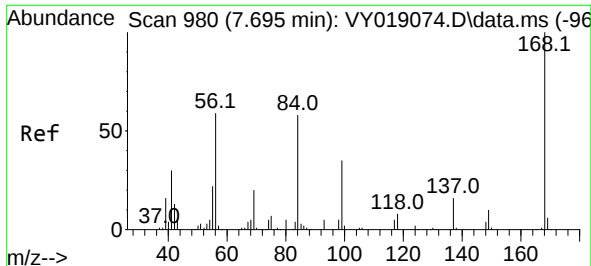
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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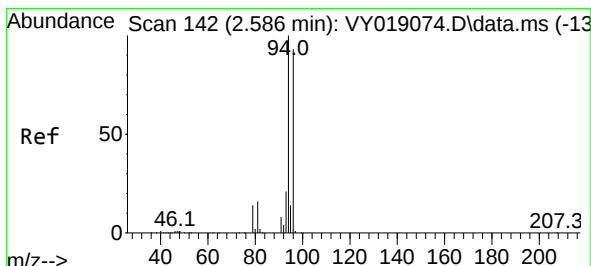
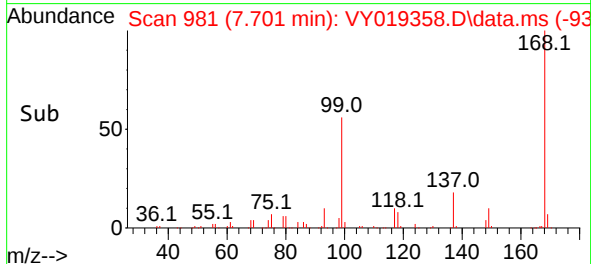
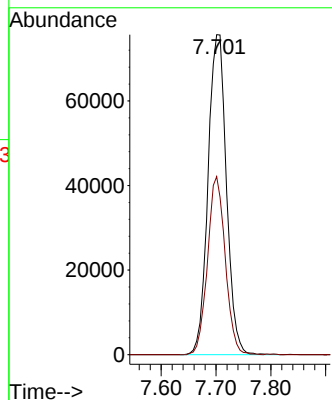
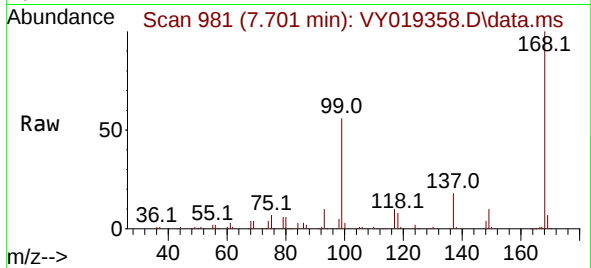




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019358.D
Acq: 29 Aug 2024 05:05

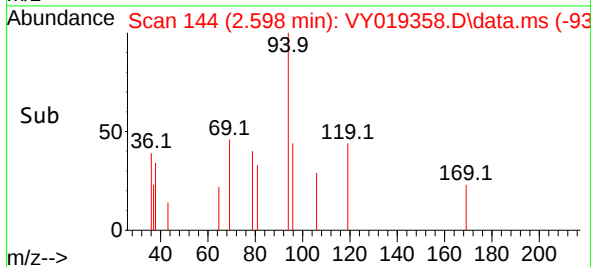
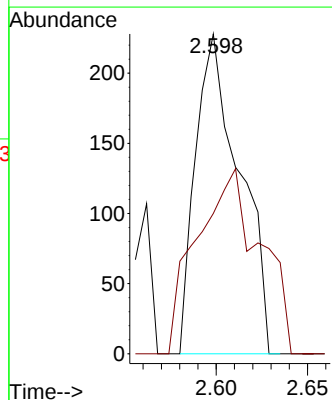
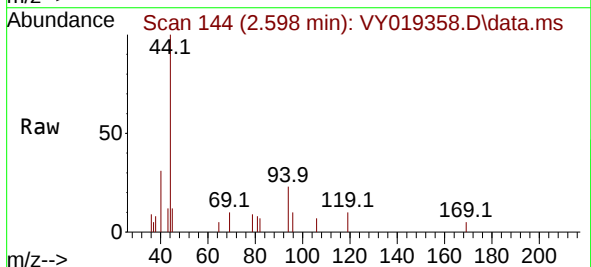
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 175759
Ion Ratio Lower Upper
168 100
99 55.6 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019358.D
Acq: 29 Aug 2024 05:05

Tgt Ion: 94 Resp: 383
Ion Ratio Lower Upper
94 100
96 15.4 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.811 min Scan# 50

Delta R.T. -0.031 min

Lab File: VY019358.D

Acq: 29 Aug 2024 05:05

Instrument :

MSVOA_Y

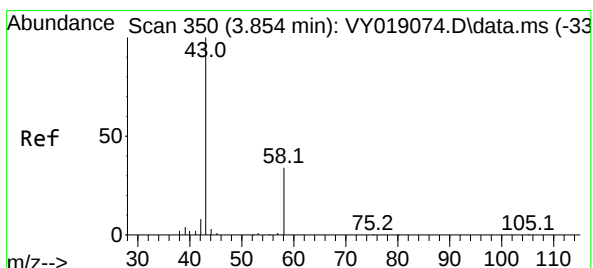
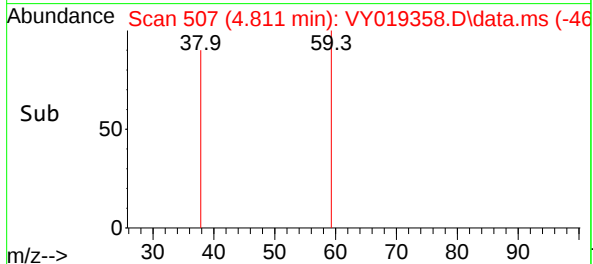
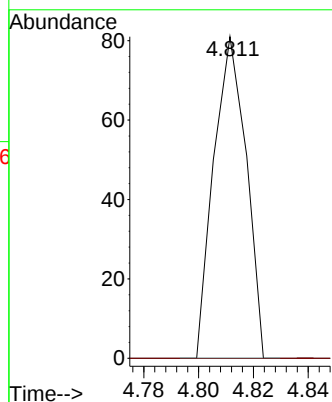
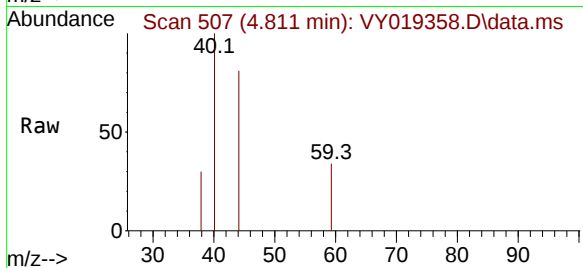
ClientSampleId :

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 4.735 ug/l

RT: 3.860 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY019358.D

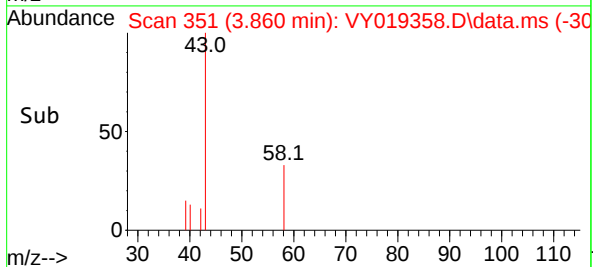
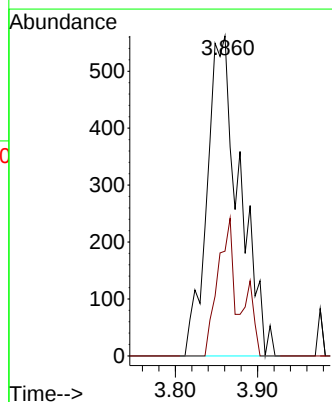
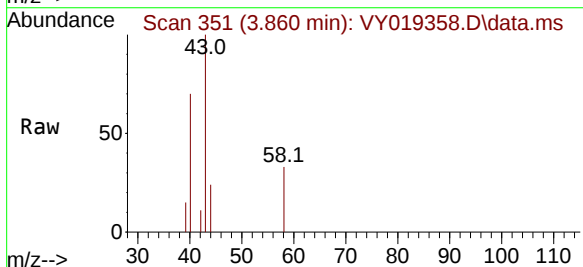
Acq: 29 Aug 2024 05:05

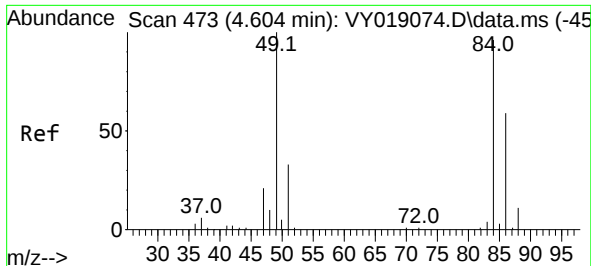
Tgt Ion: 43 Resp: 1547

Ion Ratio Lower Upper

43 100

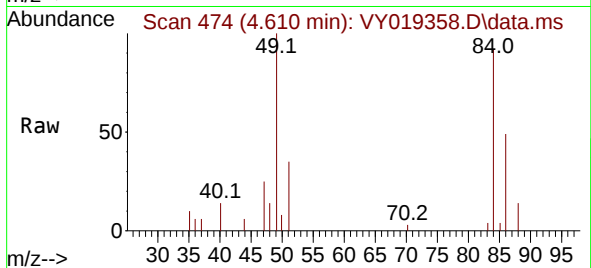
58 32.7 31.7 47.5



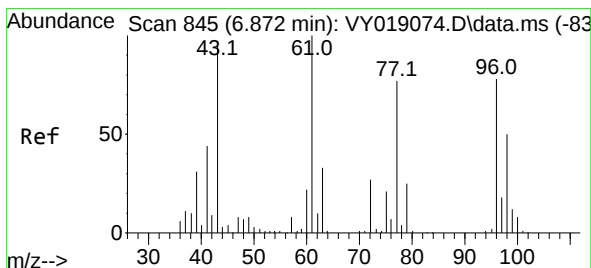
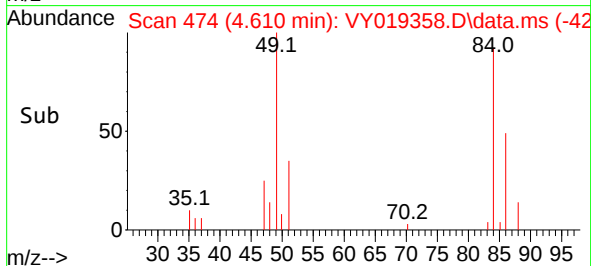
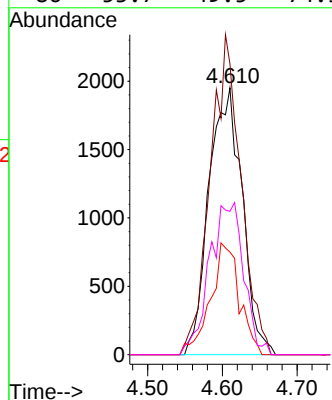


#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY019358.D
Acq: 29 Aug 2024 05:05

Instrument :
MSVOA_Y
ClientSampleId :

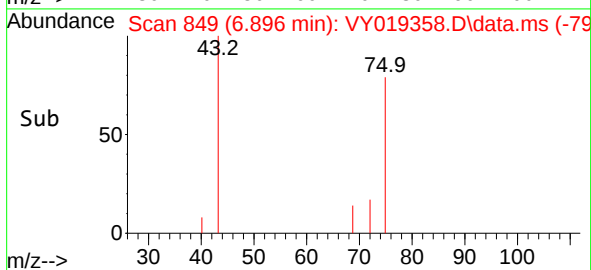
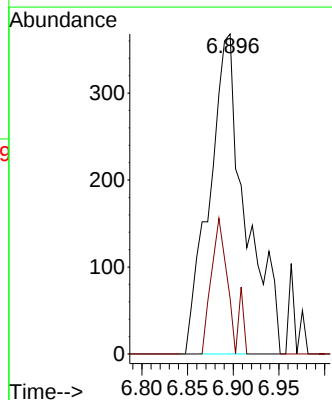
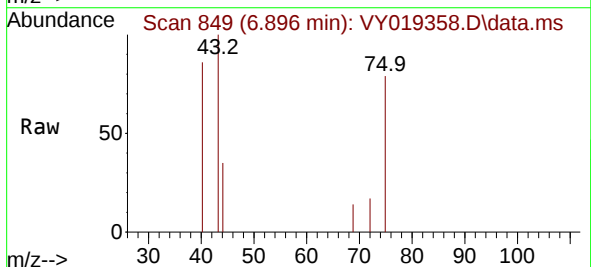


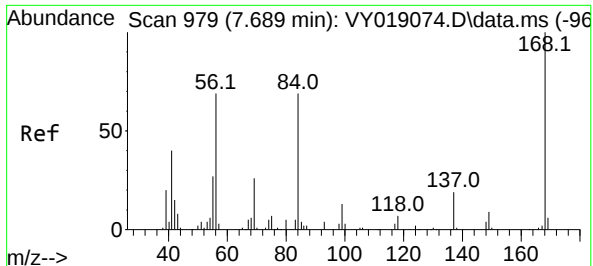
Tgt Ion: 84	Resp: 6031
Ion Ratio	Lower Upper
84 100	
49 108.9	84.4 126.6
51 38.4	26.0 39.0
86 53.7	49.5 74.3



#25
2-Butanone
Concen: 1.927 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.025 min
Lab File: VY019358.D
Acq: 29 Aug 2024 05:05

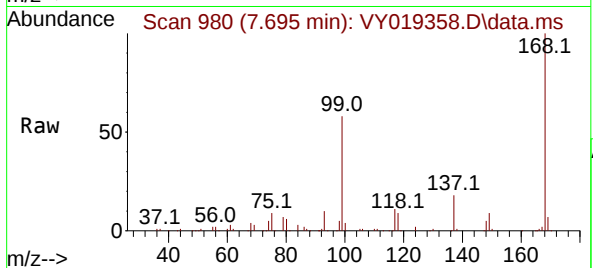
Tgt Ion: 43	Resp: 1014
Ion Ratio	Lower Upper
43 100	
72 17.4	27.3 40.9#



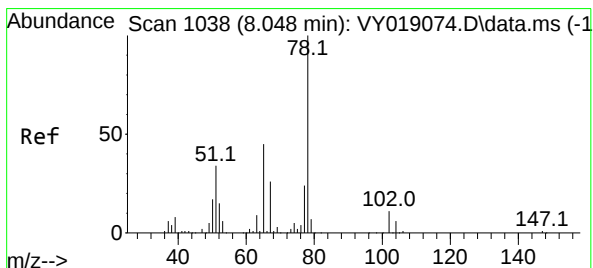
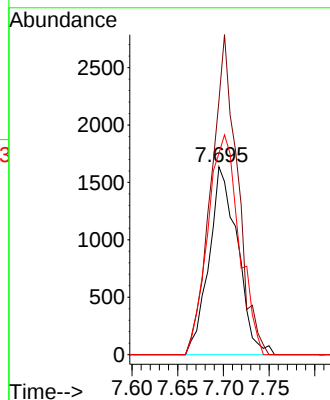
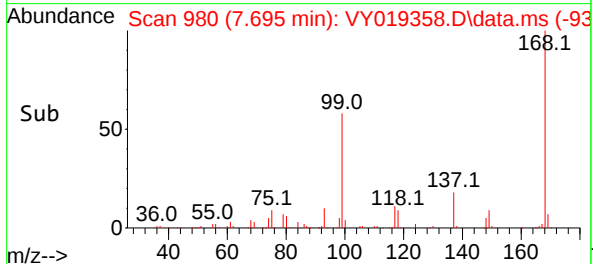


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019358.D
Acq: 29 Aug 2024 05:05

Instrument :
MSVOA_Y
ClientSampleId :

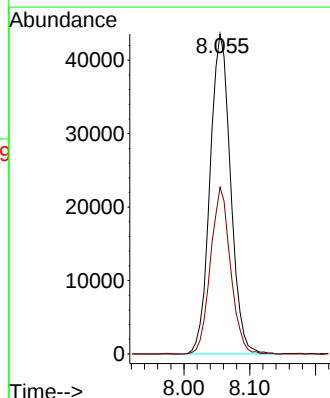
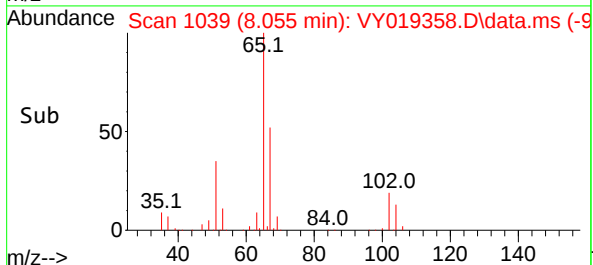
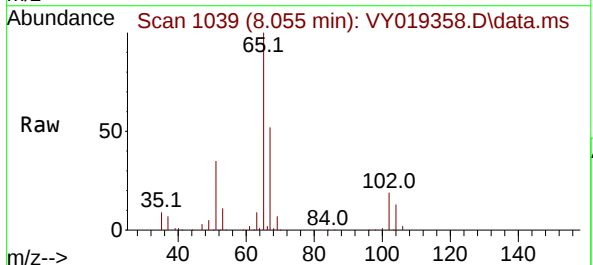


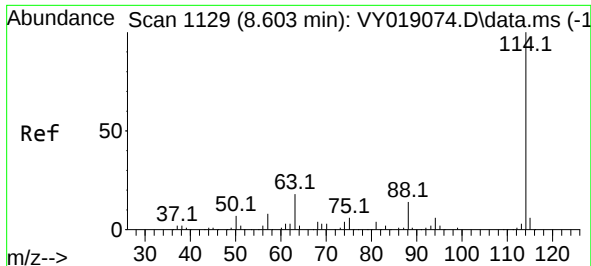
Tgt Ion: 56 Resp: 3550
Ion Ratio Lower Upper
56 100
69 135.1 28.7 43.1#
84 107.2 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 53.943 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019358.D
Acq: 29 Aug 2024 05:05

Tgt Ion: 65 Resp: 95040
Ion Ratio Lower Upper
65 100
67 50.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019358.D

Acq: 29 Aug 2024 05:05

Instrument :

MSVOA_Y

ClientSampleId :

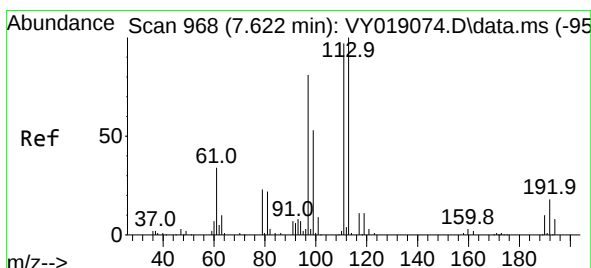
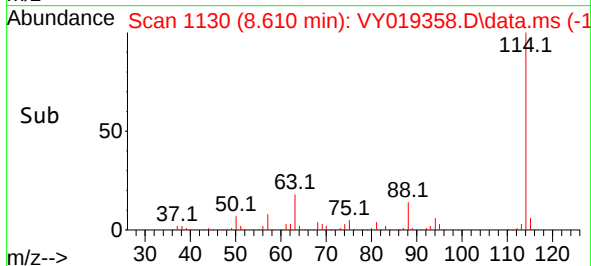
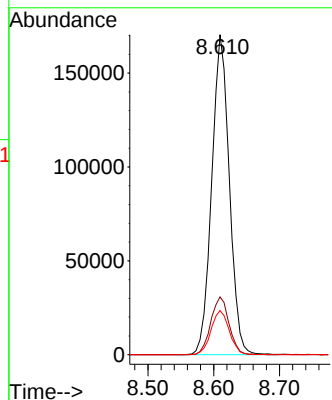
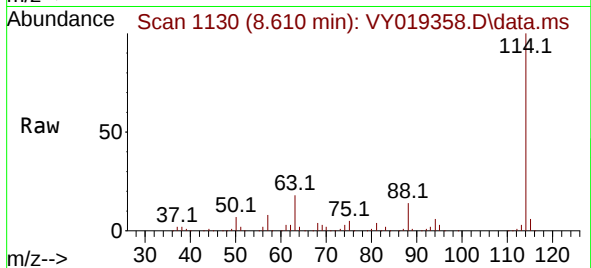
Tgt Ion:114 Resp: 317286

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

88 13.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 47.642 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019358.D

Acq: 29 Aug 2024 05:05

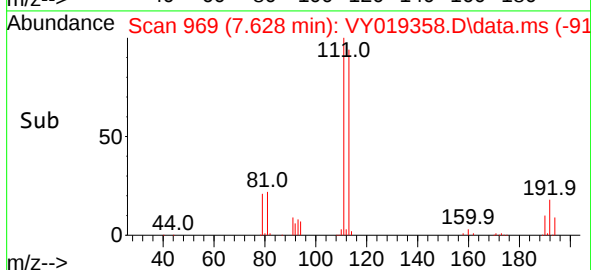
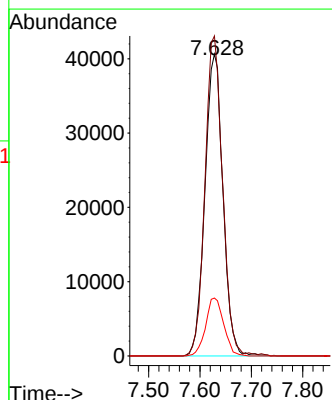
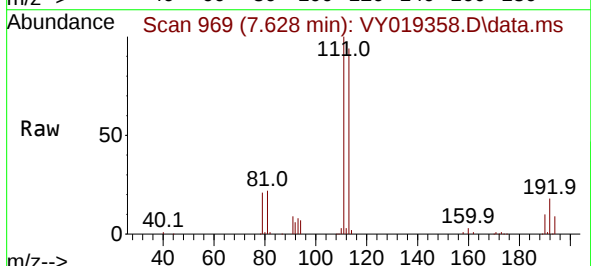
Tgt Ion:113 Resp: 98838

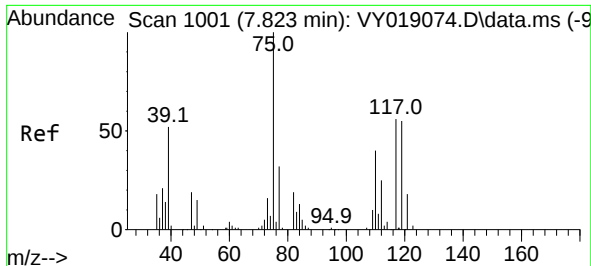
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 19.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.610 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY019358.D

Acq: 29 Aug 2024 05:05

Instrument :

MSVOA_Y

ClientSampleId :

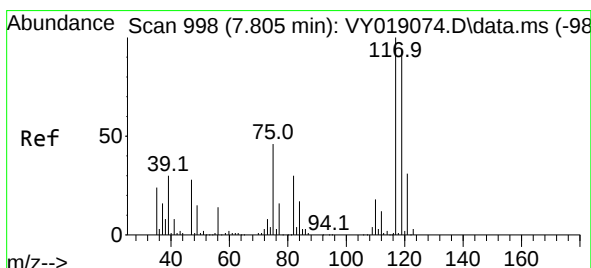
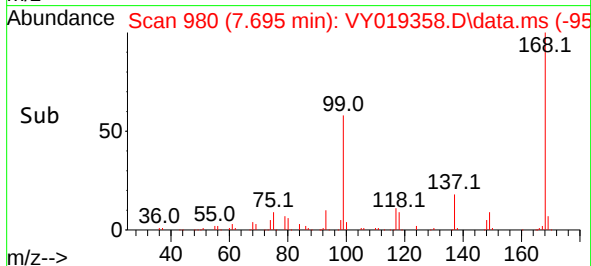
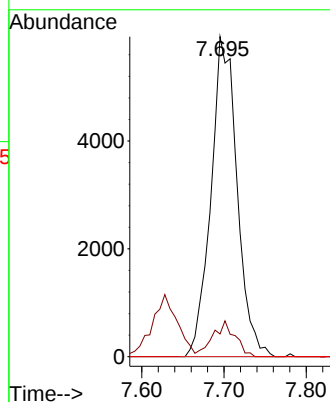
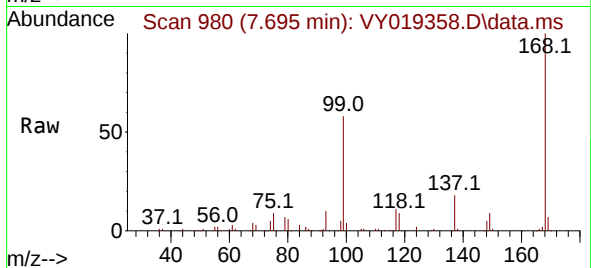
Tgt Ion: 75 Resp: 13133

Ion Ratio Lower Upper

75 100

110 9.5 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.266 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.109 min

Lab File: VY019358.D

Acq: 29 Aug 2024 05:05

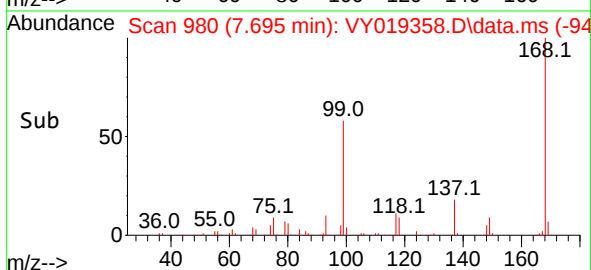
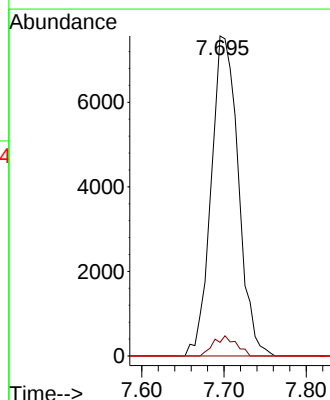
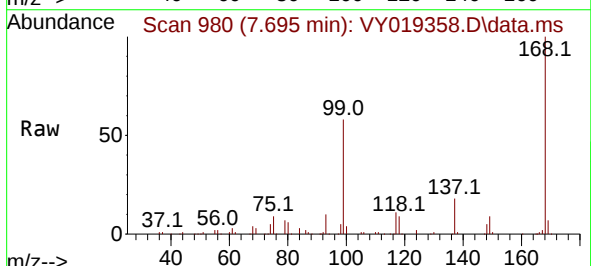
Tgt Ion: 117 Resp: 17384

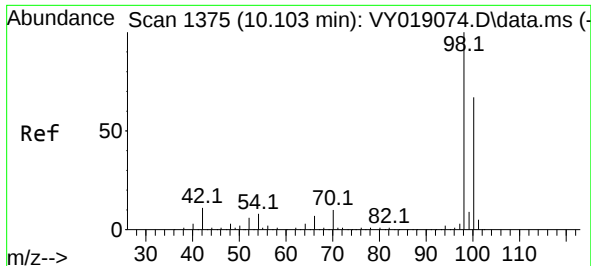
Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.6#

121 0.0 24.0 36.0#

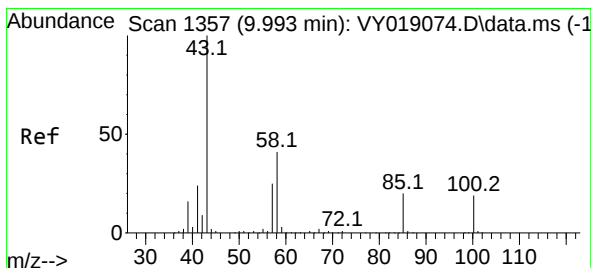
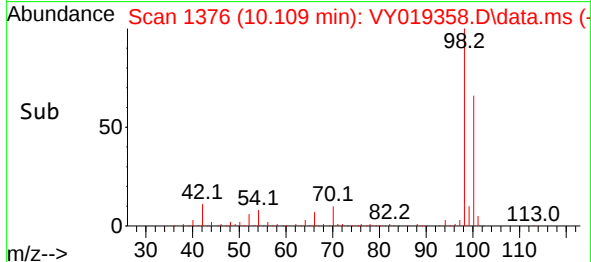
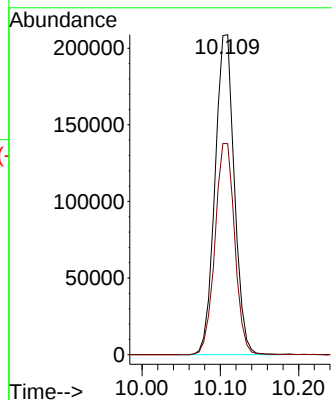
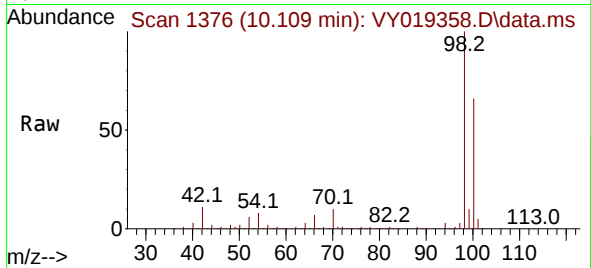




#50
Toluene-d8
Concen: 47.997 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY019358.D
Acq: 29 Aug 2024 05:05

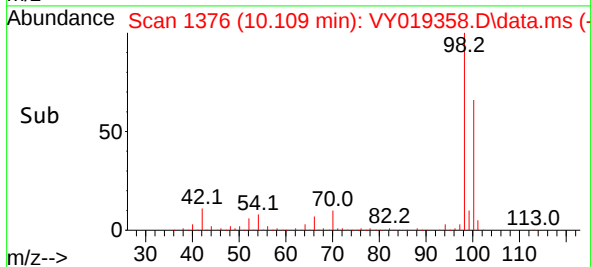
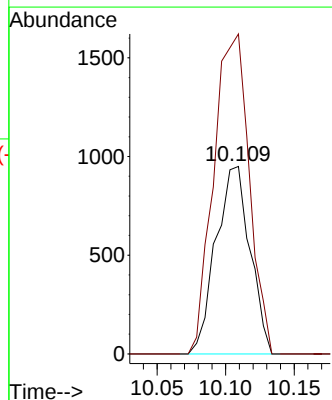
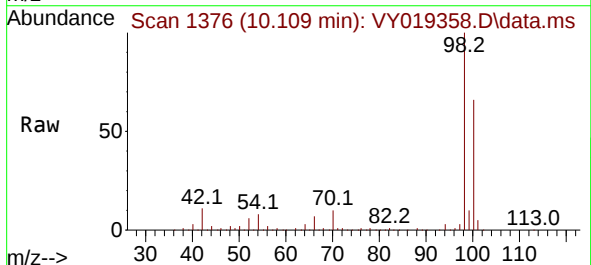
Instrument :
MSVOA_Y
ClientSampleId :

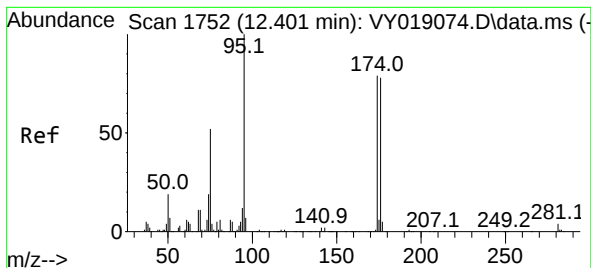
Tgt Ion: 98 Resp: 358337
Ion Ratio Lower Upper
98 100
100 67.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.212 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY019358.D
Acq: 29 Aug 2024 05:05

Tgt Ion: 43 Resp: 1642
Ion Ratio Lower Upper
43 100
58 178.2 35.7 53.5#

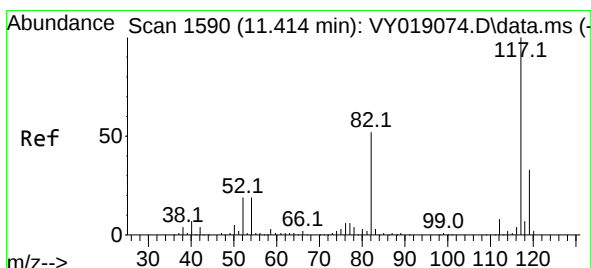
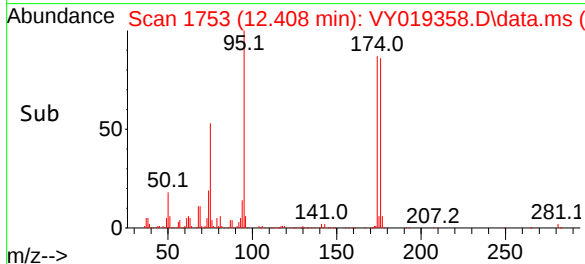
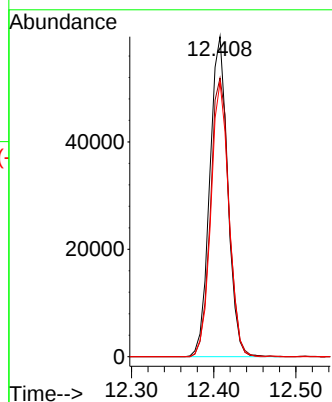
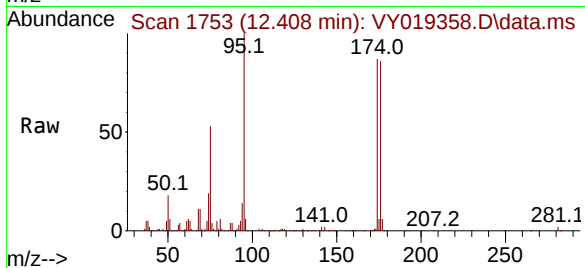




#62
4-Bromofluorobenzene
Concen: 35.456 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019358.D
Acq: 29 Aug 2024 05:05

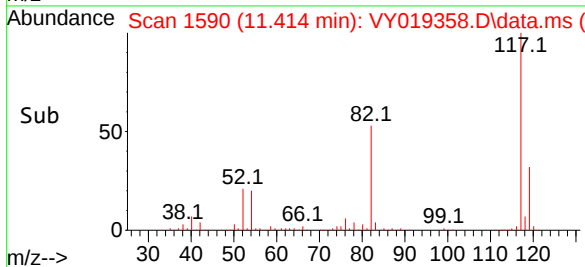
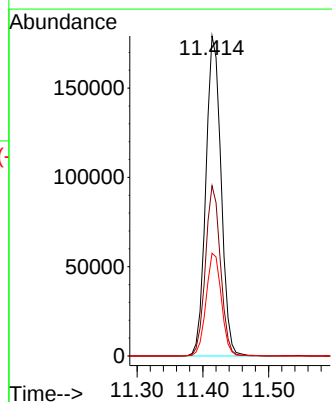
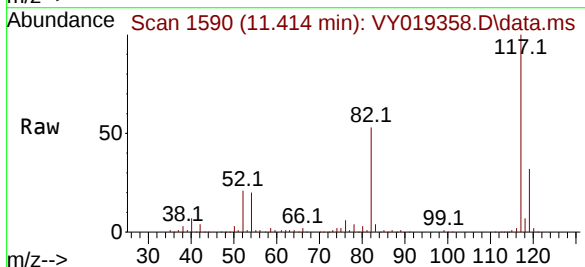
Instrument :
MSVOA_Y
ClientSampleId :

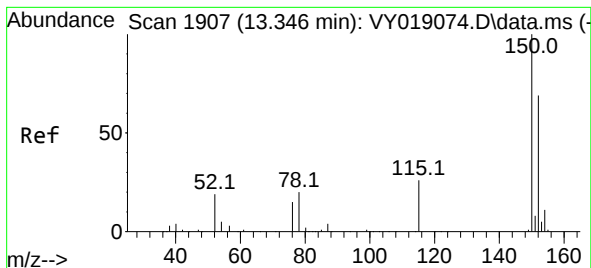
Tgt Ion: 95 Resp: 90237
Ion Ratio Lower Upper
95 100
174 90.2 0.0 175.6
176 85.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019358.D
Acq: 29 Aug 2024 05:05

Tgt Ion: 117 Resp: 288486
Ion Ratio Lower Upper
117 100
82 53.2 42.4 63.6
119 32.1 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: VY019358.D

Acq: 29 Aug 2024 05:05

Instrument :

MSVOA_Y

ClientSampleId :

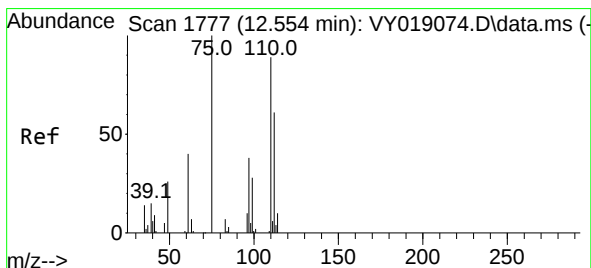
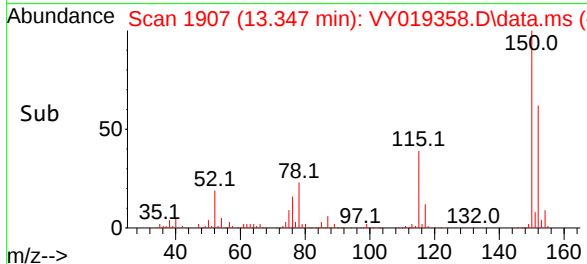
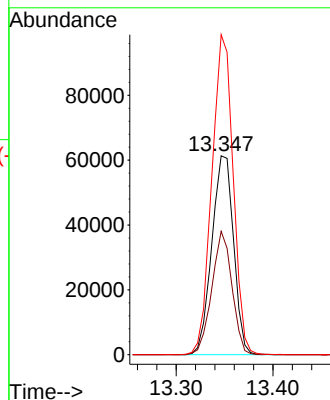
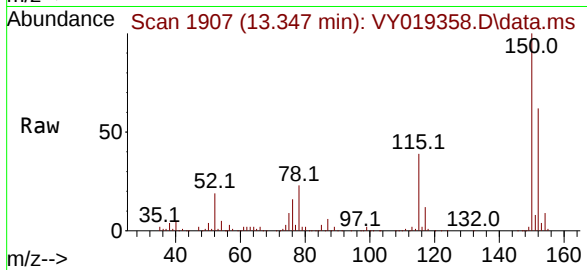
Tgt Ion:152 Resp: 95857

Ion Ratio Lower Upper

152 100

115 57.5 28.2 84.7

150 157.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 51.065 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019358.D

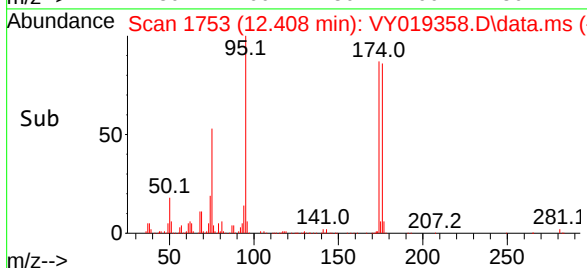
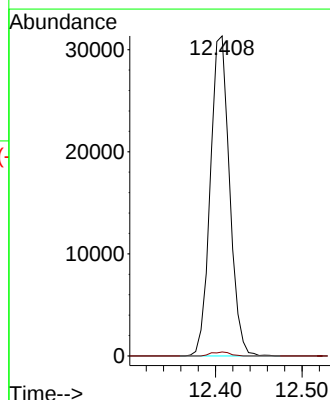
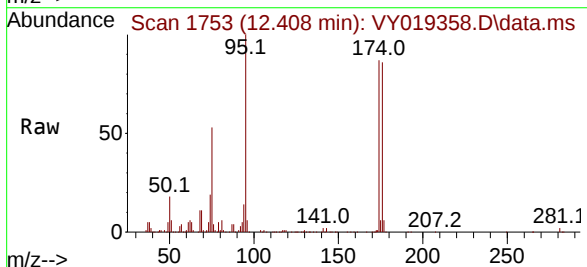
Acq: 29 Aug 2024 05:05

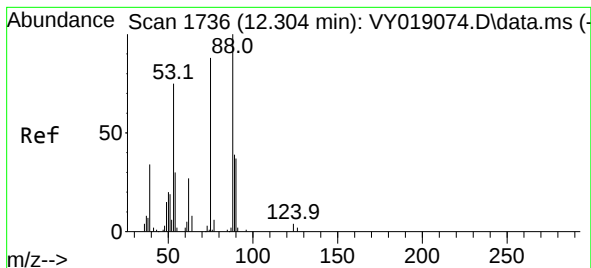
Tgt Ion: 75 Resp: 48273

Ion Ratio Lower Upper

75 100

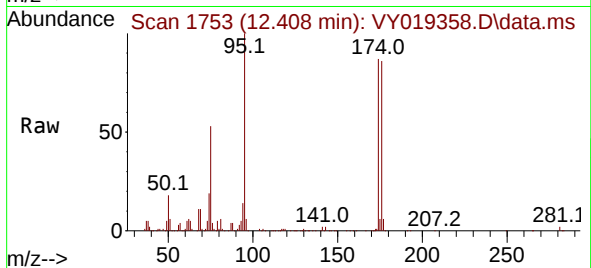
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.114 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019358.D
 Acq: 29 Aug 2024 05:05

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 48273
 Ion Ratio Lower Upper
 75 100
 53 0.4 66.8 100.2#
 89 0.1 35.8 53.6#

