

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019173.D
 Acq On : 21 Aug 2024 16:42
 Operator : SY/MD
 Sample : P3641-09
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:15:44 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	104145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	177724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	165296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	59241	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.048	65	57240	54.829	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.660%
35) Dibromofluoromethane	7.622	113	59379	51.098	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.200%
50) Toluene-d8	10.103	98	194593	46.532	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.060%
62) 4-Bromofluorobenzene	12.407	95	64201	45.035	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	90.060%

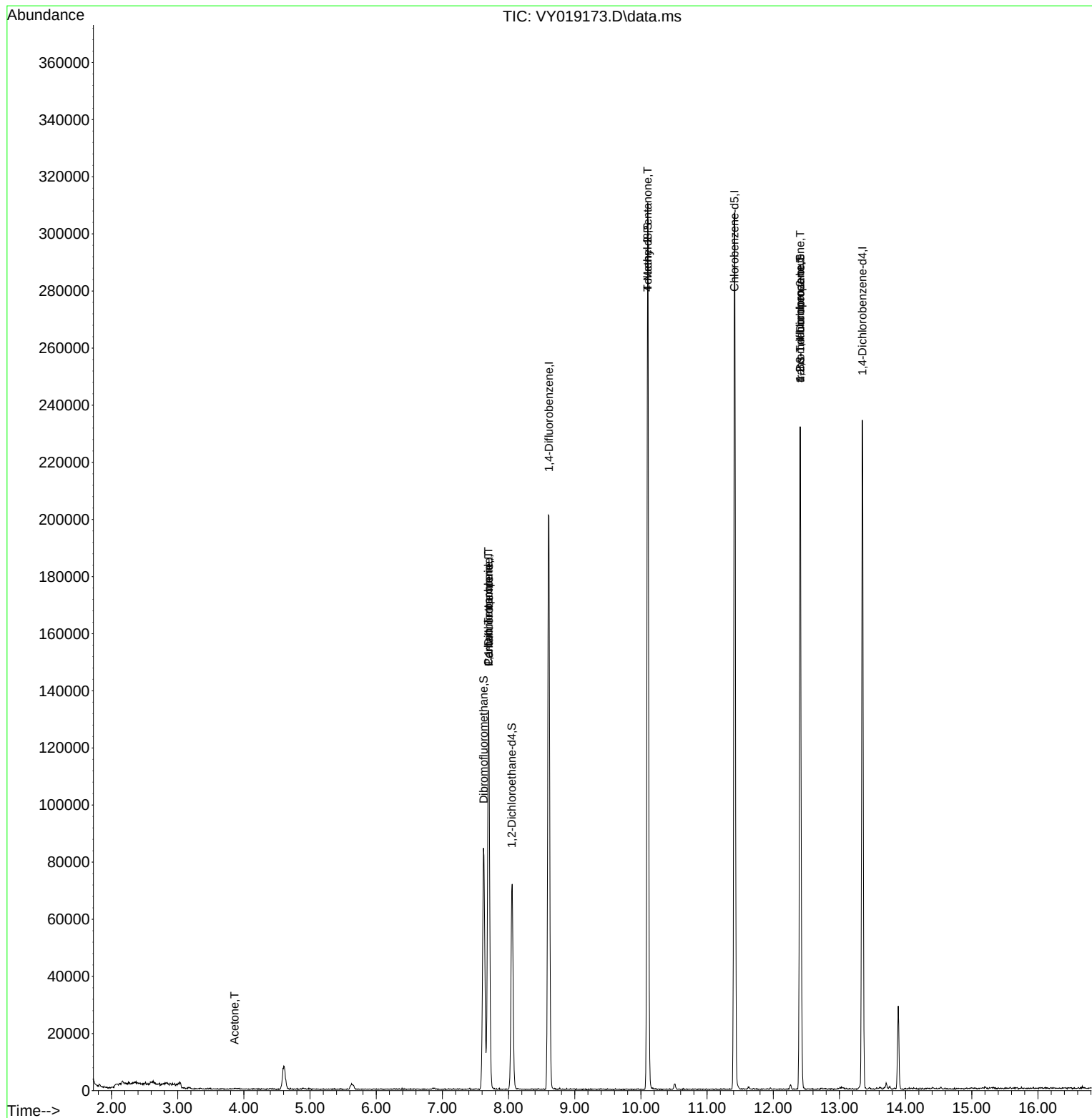
Target Compounds					Qvalue
5) Bromomethane	2.604	94	363	Below Cal	91
6) Chloroethane	2.879	64	18	Below Cal	# 42
16) Acetone	3.860	43	532	2.748 ug/l	# 36
20) Methylene Chloride	4.604	84	6459	Below Cal	97
31) Cyclohexane	7.695	56	2425	Below Cal	# 41
36) 1,1-Dichloropropene	7.695	75	8232	5.159 ug/l	# 49
38) Carbon Tetrachloride	7.695	117	10408	5.628 ug/l	# 18
51) 4-Methyl-2-Pentanone	10.103	43	765	1.008 ug/l	# 1
76) 1,2,3-Trichloropropane	12.407	75	35238	60.316 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.407	75	35238	148.960 ug/l	# 16

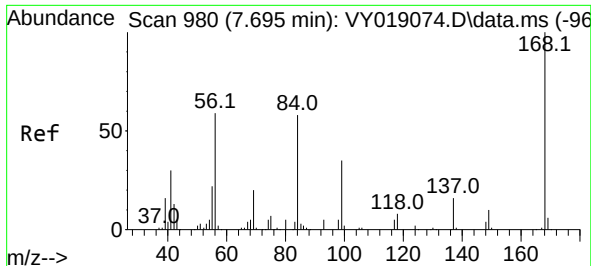
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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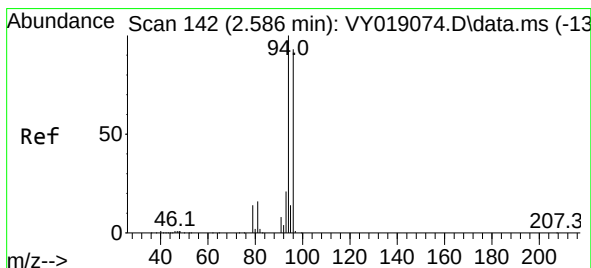
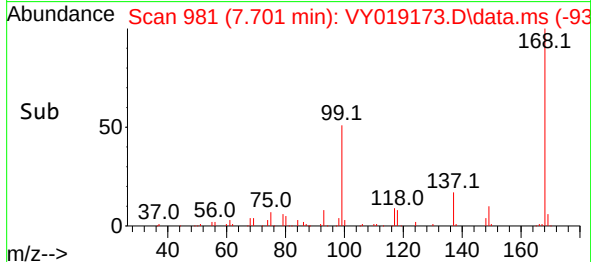
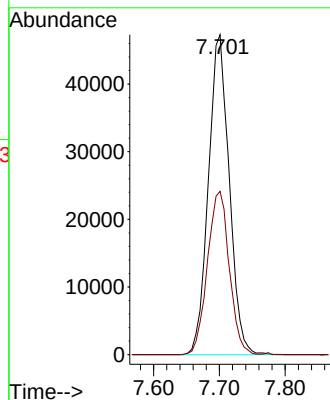
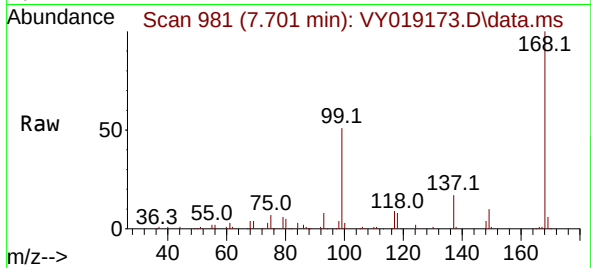




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019173.D
Acq: 21 Aug 2024 16:42

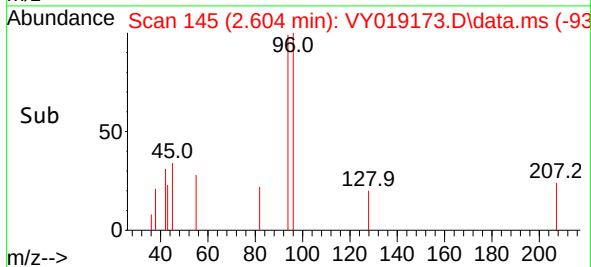
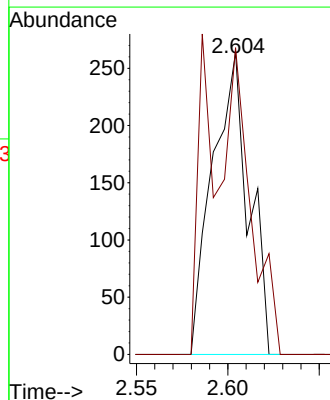
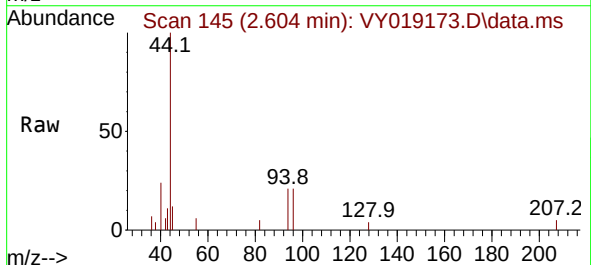
Instrument :
MSVOA_Y
ClientSampleId :

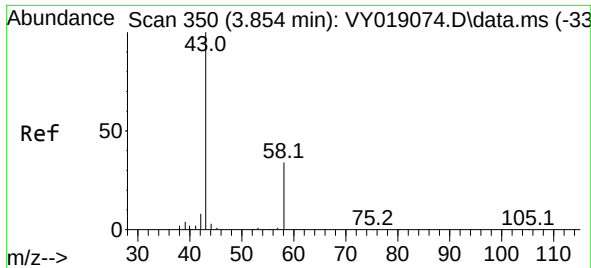
Tgt Ion:168 Resp: 104145
Ion Ratio Lower Upper
168 100
99 51.0 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.604 min Scan# 145
Delta R.T. 0.018 min
Lab File: VY019173.D
Acq: 21 Aug 2024 16:42

Tgt Ion: 94 Resp: 363
Ion Ratio Lower Upper
94 100
96 101.5 74.1 111.1





#16

Acetone

Concen: 2.748 ug/l

RT: 3.860 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY019173.D

Acq: 21 Aug 2024 16:42

Instrument :

MSVOA_Y

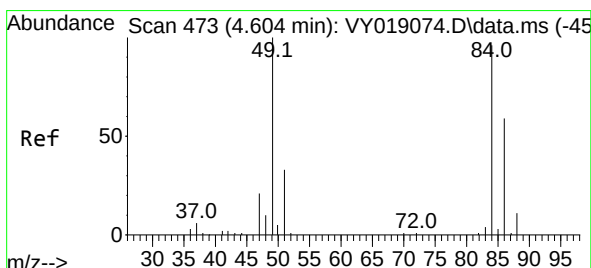
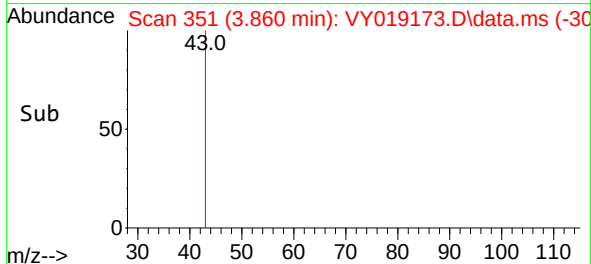
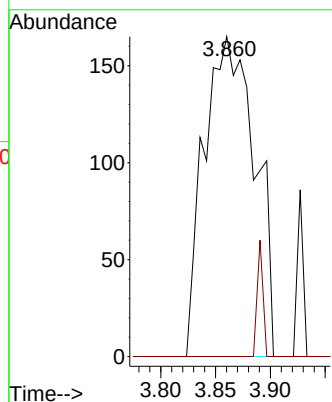
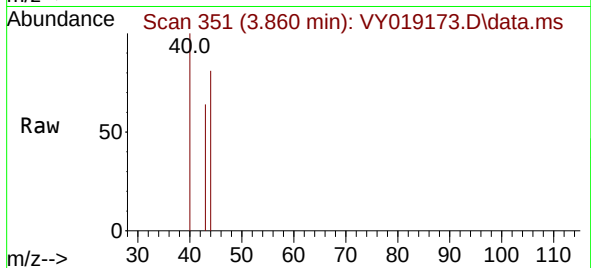
ClientSampleId :

Tgt Ion: 43 Resp: 532

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 473

Delta R.T. -0.000 min

Lab File: VY019173.D

Acq: 21 Aug 2024 16:42

Tgt Ion: 84 Resp: 6459

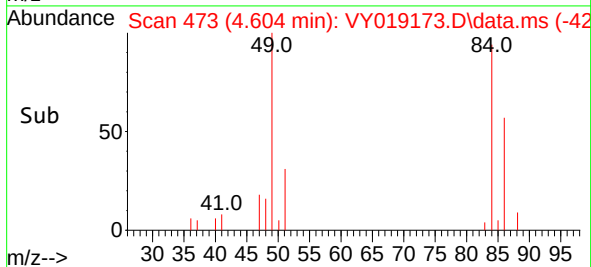
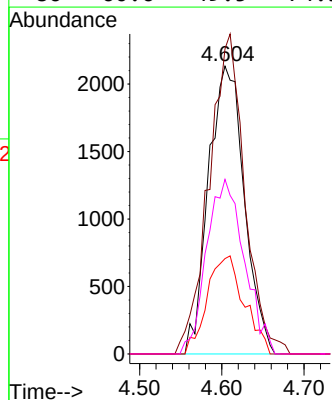
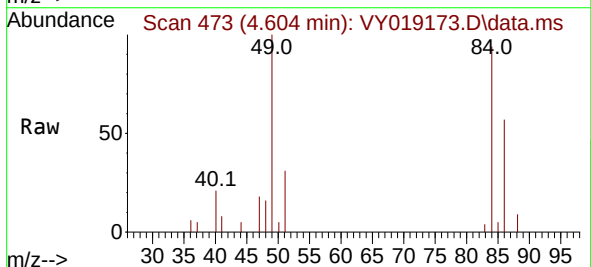
Ion Ratio Lower Upper

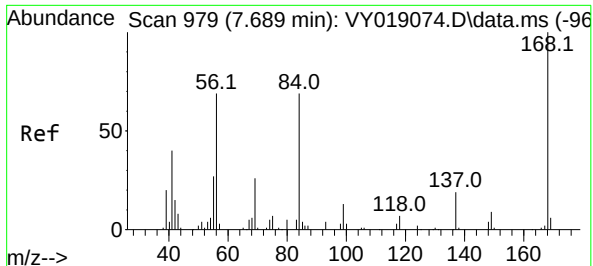
84 100

49 101.8 84.4 126.6

51 33.1 26.0 39.0

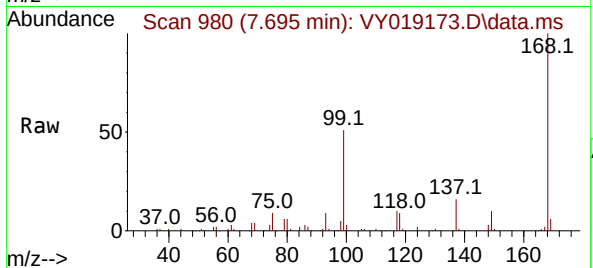
86 60.6 49.5 74.3



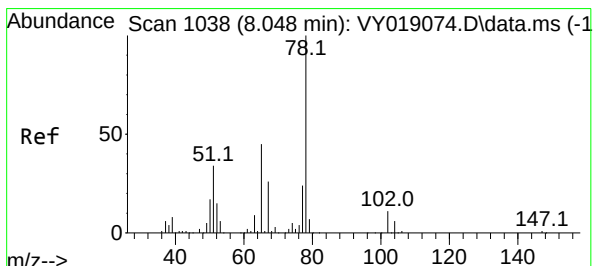
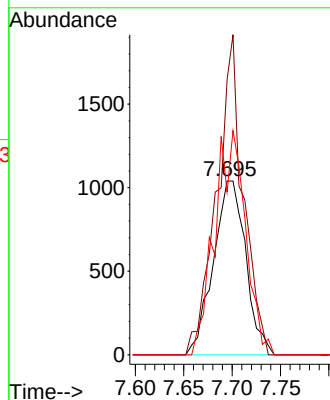
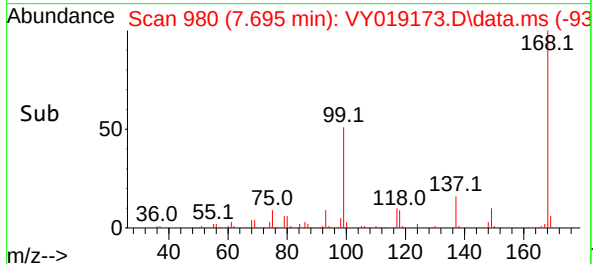


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019173.D
Acq: 21 Aug 2024 16:42

Instrument :
MSVOA_Y
ClientSampleId :

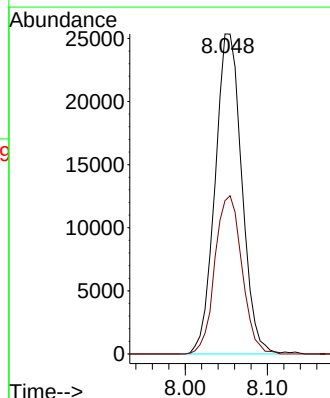
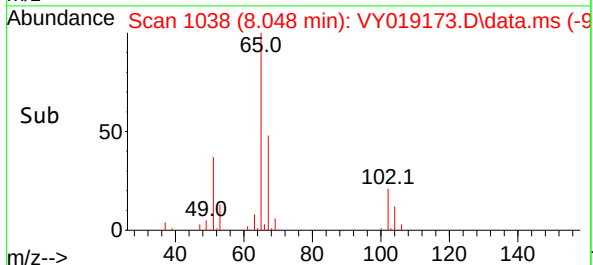
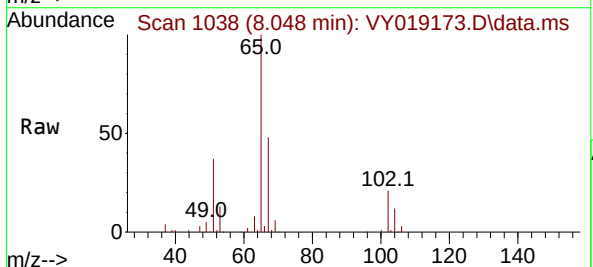


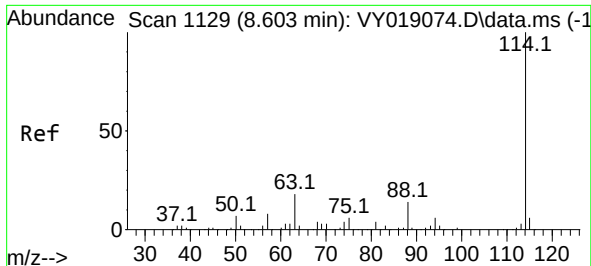
Tgt Ion: 56 Resp: 2425
Ion Ratio Lower Upper
56 100
69 158.2 28.7 43.1#
84 93.8 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 54.829 ug/l
RT: 8.048 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY019173.D
Acq: 21 Aug 2024 16:42

Tgt Ion: 65 Resp: 57240
Ion Ratio Lower Upper
65 100
67 50.1 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: VY019173.D

Acq: 21 Aug 2024 16:42

Instrument :

MSVOA_Y

ClientSampleId :

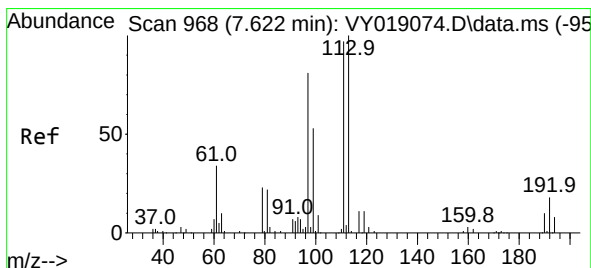
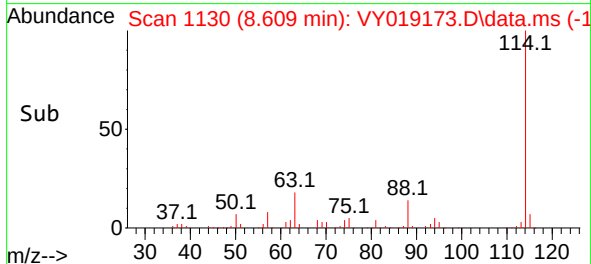
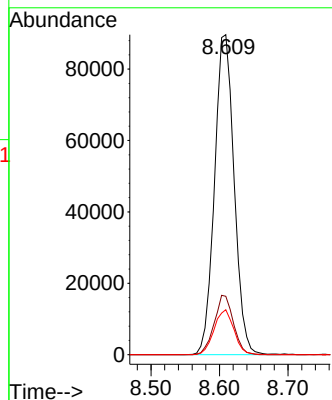
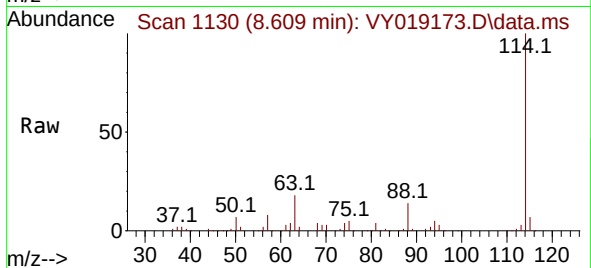
Tgt Ion:114 Resp: 177724

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

88 14.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.098 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019173.D

Acq: 21 Aug 2024 16:42

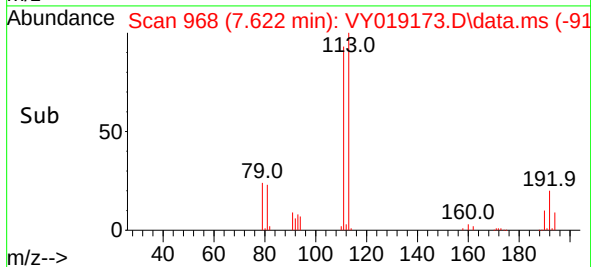
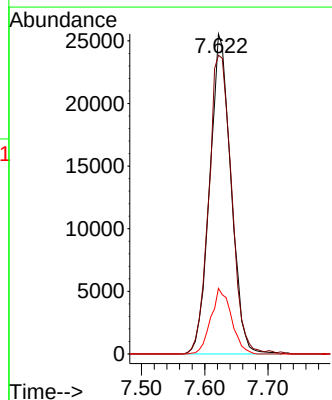
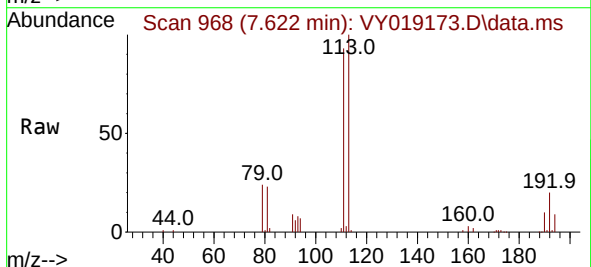
Tgt Ion:113 Resp: 59379

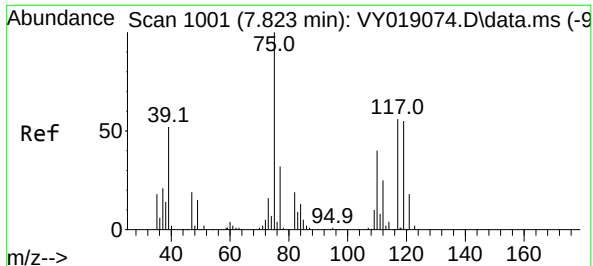
Ion Ratio Lower Upper

113 100

111 100.6 82.2 123.4

192 19.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.159 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY019173.D

Acq: 21 Aug 2024 16:42

Instrument :

MSVOA_Y

ClientSampleId :

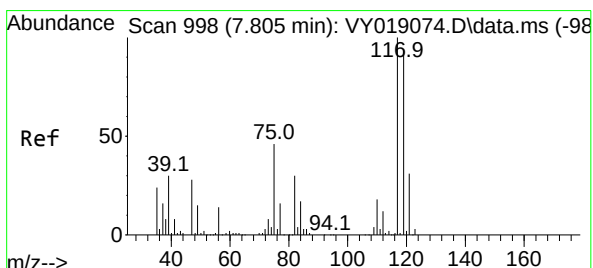
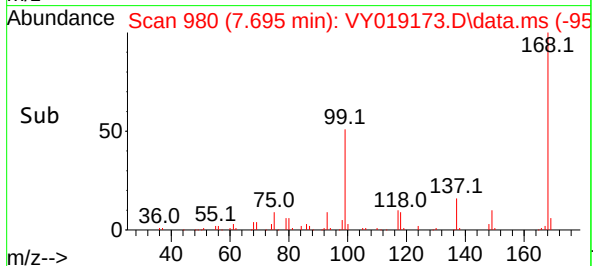
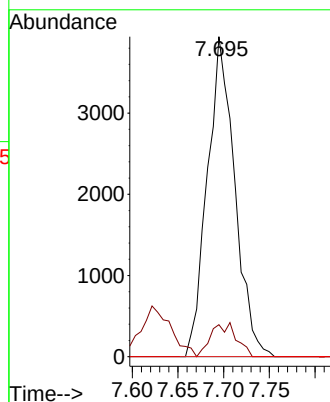
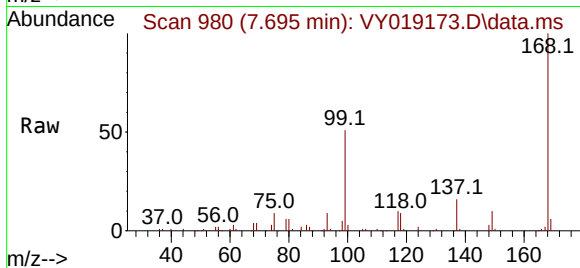
Tgt Ion: 75 Resp: 8232

Ion Ratio Lower Upper

75 100

110 9.8 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.628 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY019173.D

Acq: 21 Aug 2024 16:42

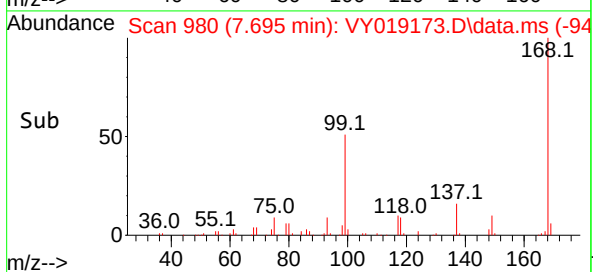
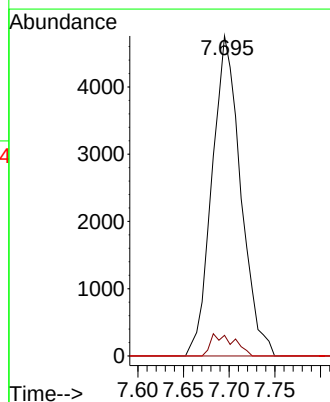
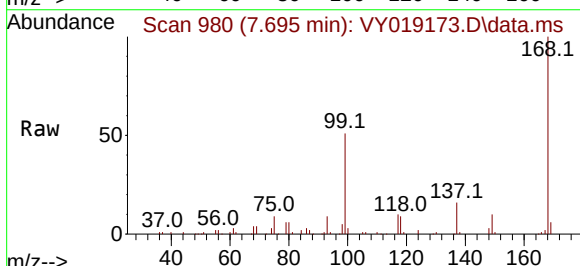
Tgt Ion: 117 Resp: 10408

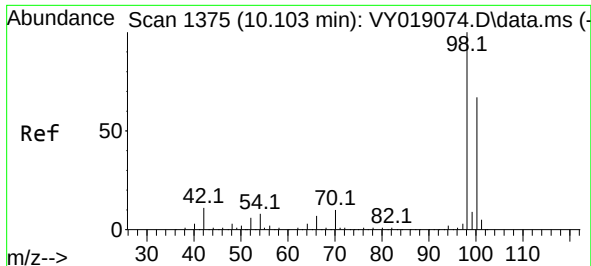
Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.6#

121 0.0 24.0 36.0#

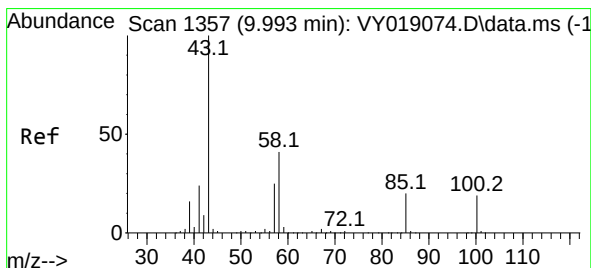
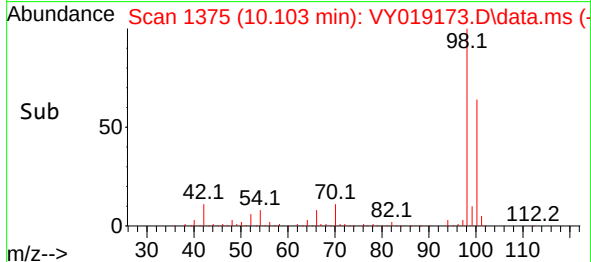
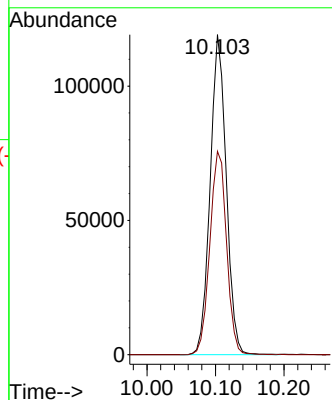
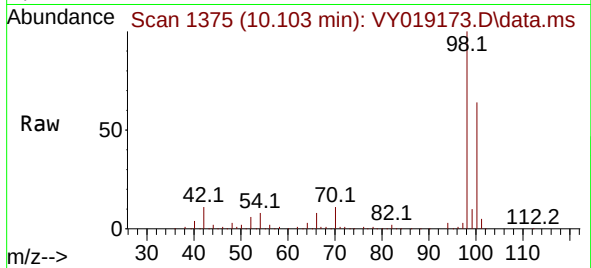




#50
Toluene-d8
Concen: 46.532 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019173.D
Acq: 21 Aug 2024 16:42

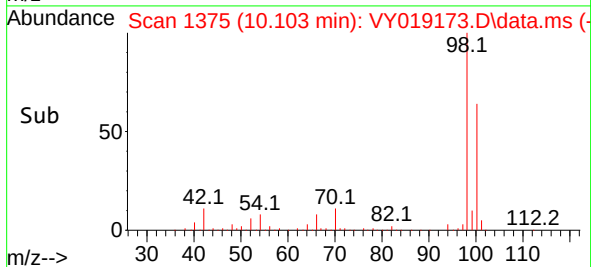
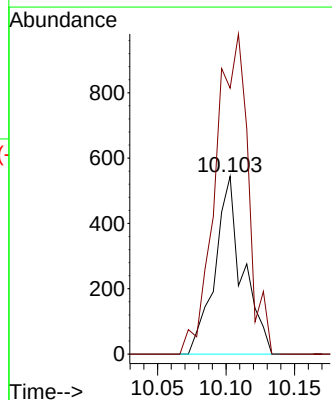
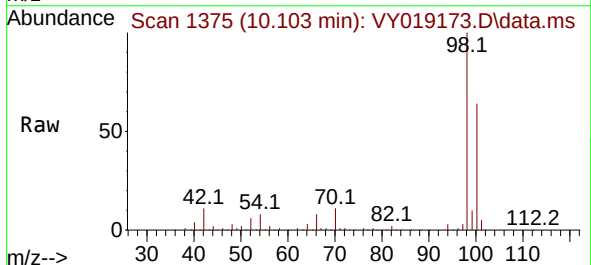
Instrument :
MSVOA_Y
ClientSampleId :

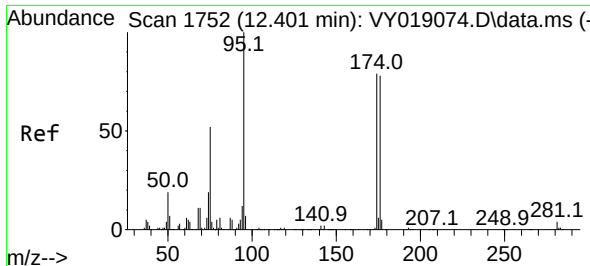
Tgt Ion: 98 Resp: 194593
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.008 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY019173.D
Acq: 21 Aug 2024 16:42

Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
58 213.2 35.7 53.5#

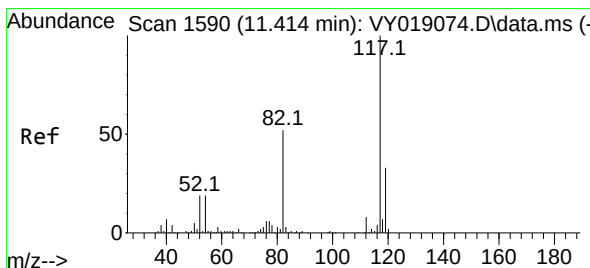
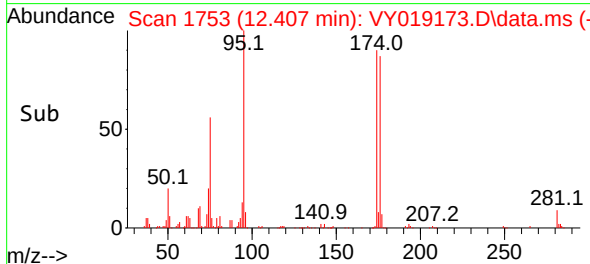
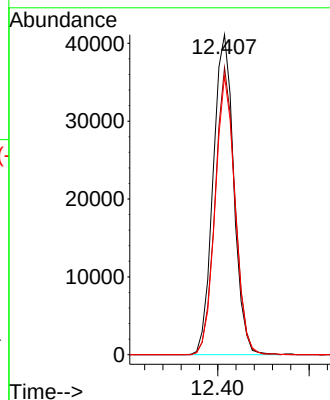
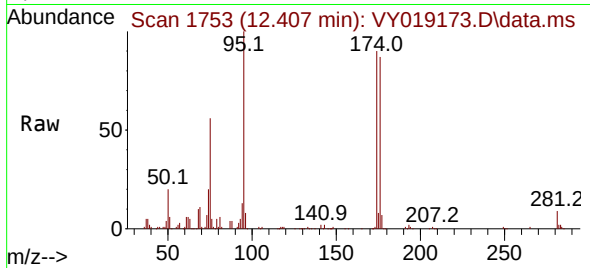




#62
4-Bromofluorobenzene
Concen: 45.035 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019173.D
Acq: 21 Aug 2024 16:42

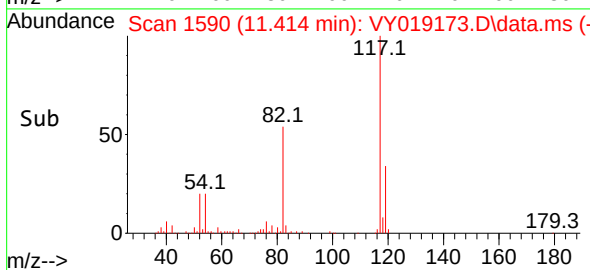
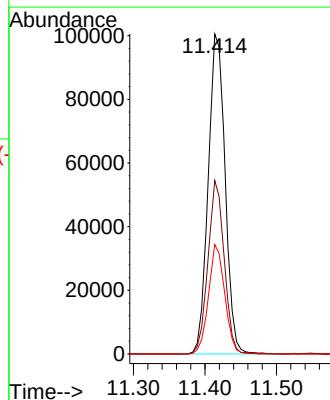
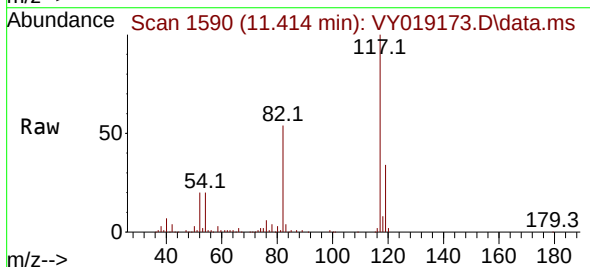
Instrument :
MSVOA_Y
ClientSampleId :

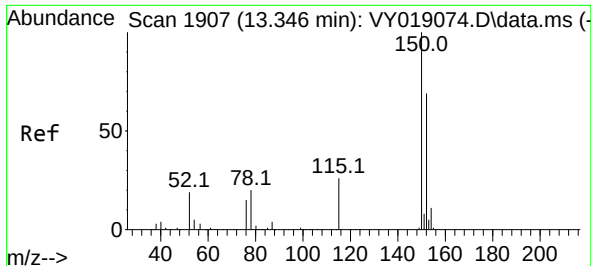
Tgt Ion: 95 Resp: 64201
Ion Ratio Lower Upper
95 100
174 86.9 0.0 175.6
176 84.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019173.D
Acq: 21 Aug 2024 16:42

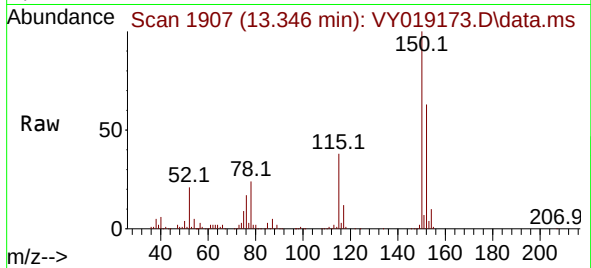
Tgt Ion: 117 Resp: 165296
Ion Ratio Lower Upper
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82 54.2 42.4 63.6
119 34.2 25.9 38.9



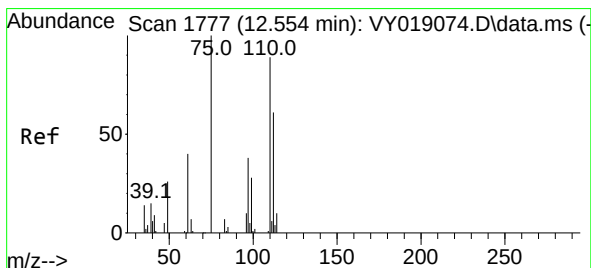
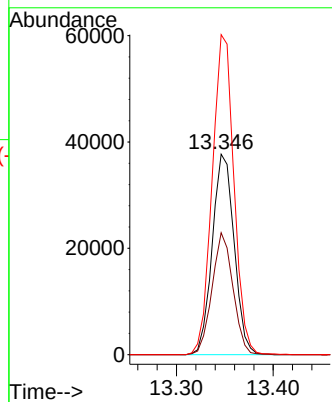
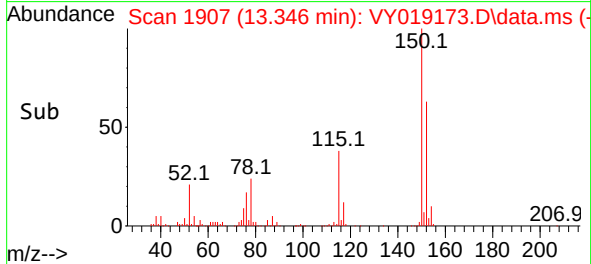


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY019173.D
 Acq: 21 Aug 2024 16:42

Instrument :
 MSVOA_Y
 ClientSampleId :

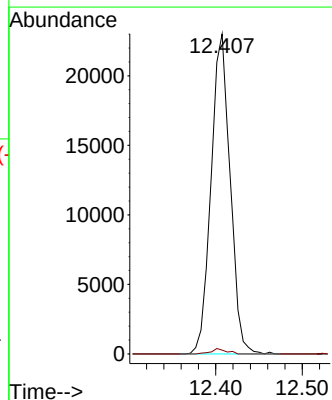
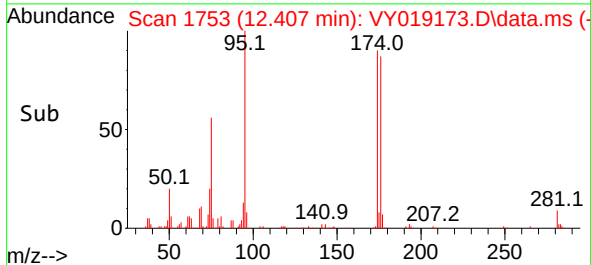
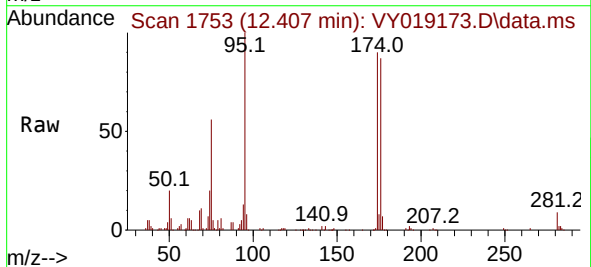


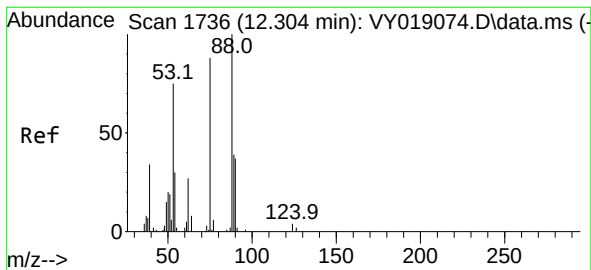
Tgt Ion:152 Resp: 59241
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.2 84.7
 150 158.6 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 60.316 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY019173.D
 Acq: 21 Aug 2024 16:42

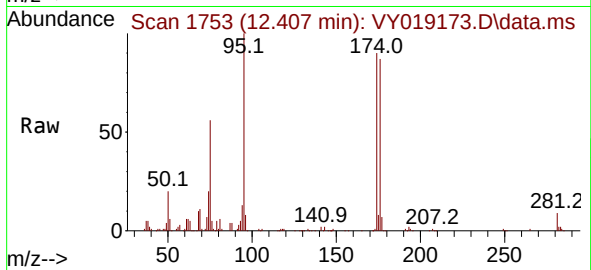
Tgt Ion: 75 Resp: 35238
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 148.960 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019173.D
Acq: 21 Aug 2024 16:42

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 35238
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

