

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
 Data File : VY019334.D
 Acq On : 28 Aug 2024 16:52
 Operator : SY/MD
 Sample : P3749-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 29 01:36:17 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	127602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	228031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	208045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	83225	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	71266	55.715	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.440%	
35) Dibromofluoromethane	7.622	113	70774	47.467	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.940%	
50) Toluene-d8	10.103	98	254145	47.366	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.740%	
62) 4-Bromofluorobenzene	12.408	95	80349	43.928	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 87.860%	

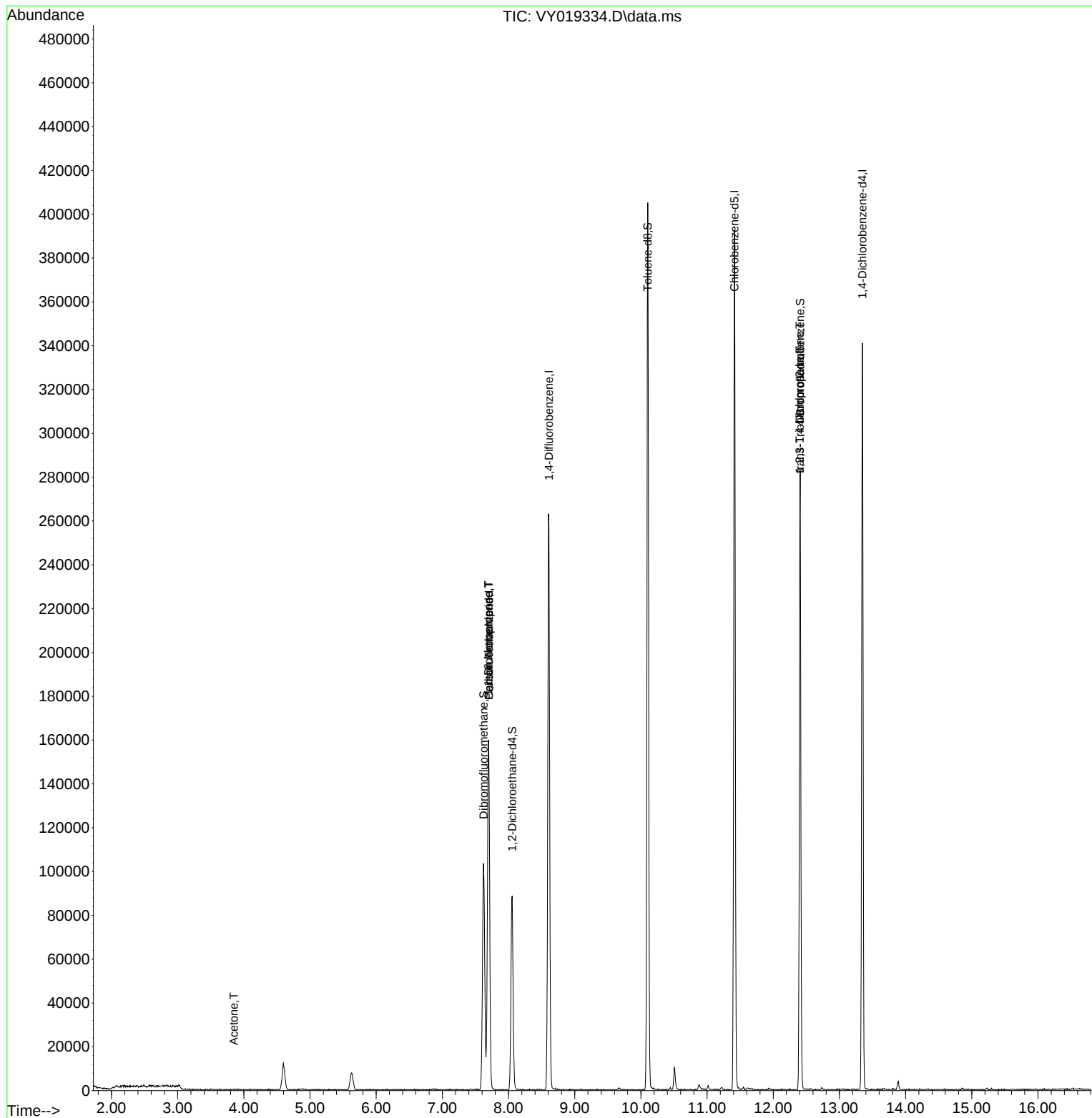
Target Compounds			Qvalue			
5) Bromomethane	2.592	94	454	Below Cal		81
6) Chloroethane	2.940	64	26	Below Cal	#	42
11) Tert butyl alcohol	4.805	59	69	Below Cal	#	88
16) Acetone	3.848	43	456	1.922	ug/l #	36
20) Methylene Chloride	4.604	84	9041	Below Cal		92
31) Cyclohexane	7.695	56	2807	Below Cal	#	27
36) 1,1-Dichloropropene	7.695	75	9437	4.609	ug/l #	48
38) Carbon Tetrachloride	7.701	117	13051	5.500	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	44367	54.057	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	44367	133.502	ug/l #	16

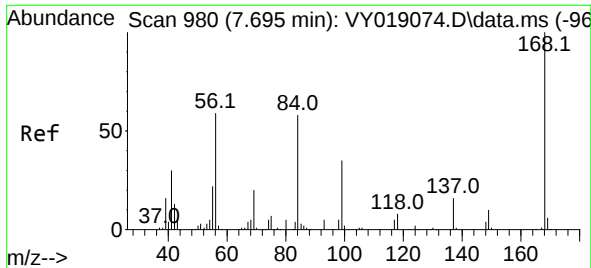
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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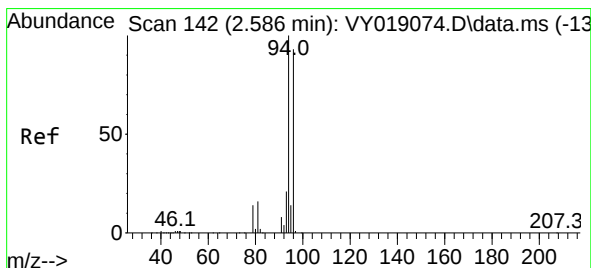
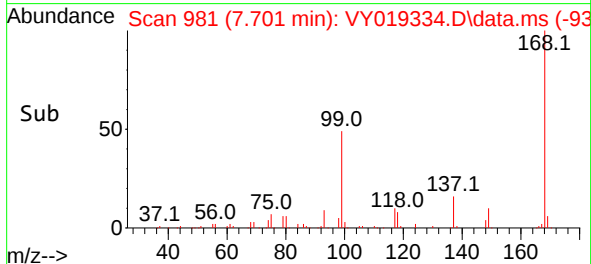
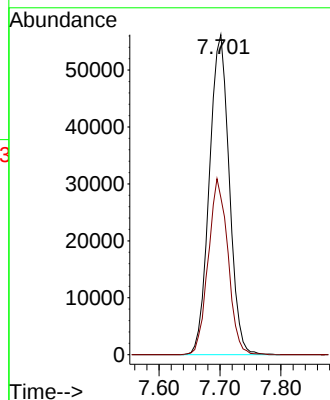
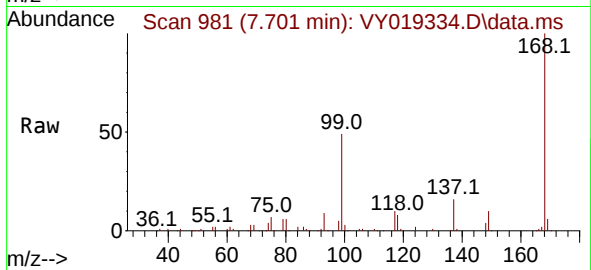




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019334.D
Acq: 28 Aug 2024 16:52

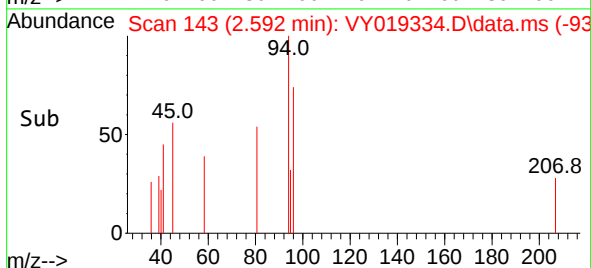
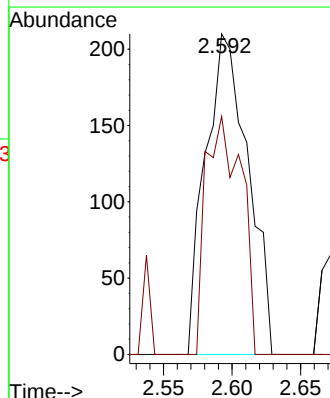
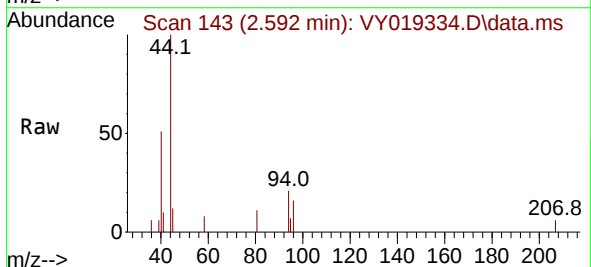
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 127602
Ion Ratio Lower Upper
168 100
99 49.1 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.592 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY019334.D
Acq: 28 Aug 2024 16:52

Tgt Ion: 94 Resp: 454
Ion Ratio Lower Upper
94 100
96 74.3 74.1 111.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.805 min Scan# 506

Delta R.T. -0.037 min

Lab File: VY019334.D

Acq: 28 Aug 2024 16:52

Instrument :

MSVOA_Y

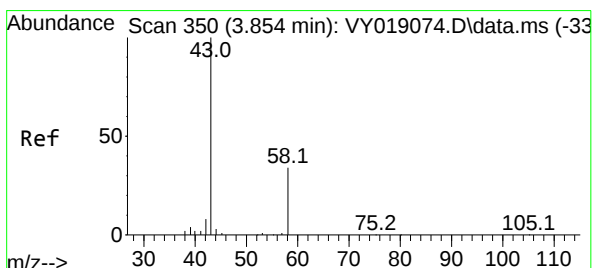
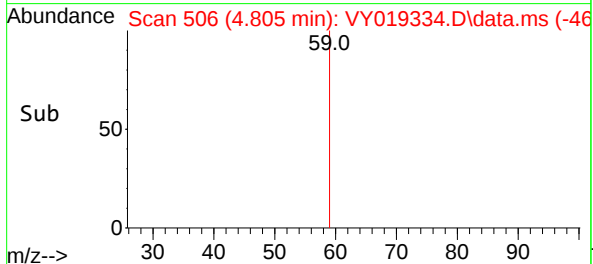
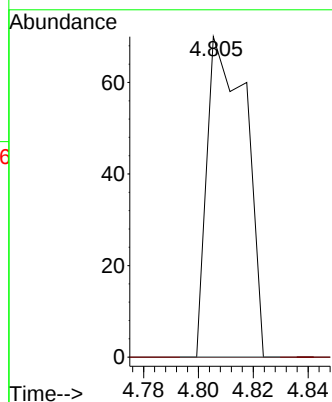
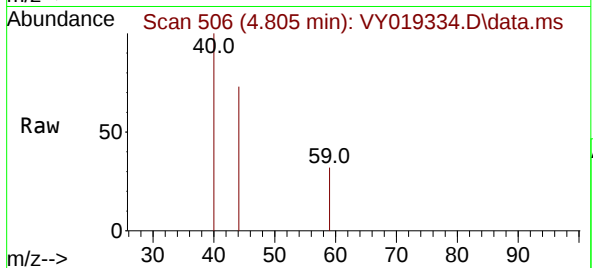
ClientSampleId :

Tgt Ion: 59 Resp: 69

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 1.922 ug/l

RT: 3.848 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY019334.D

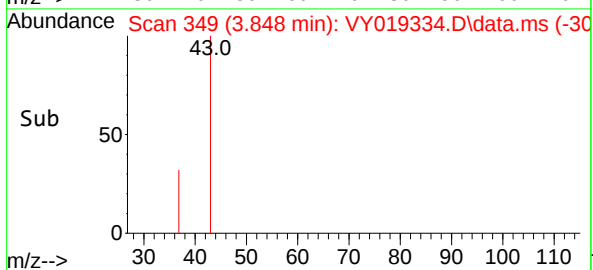
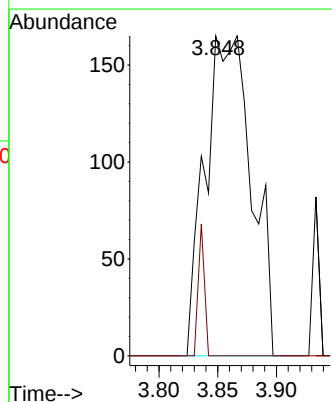
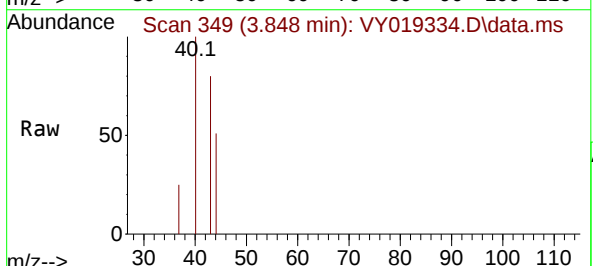
Acq: 28 Aug 2024 16:52

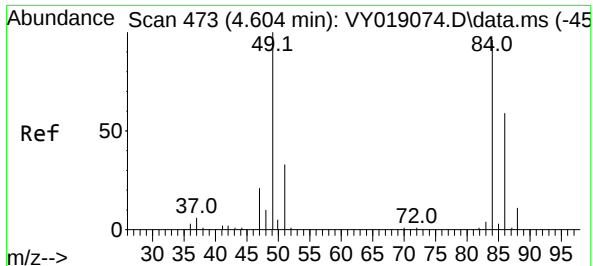
Tgt Ion: 43 Resp: 456

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY019334.D

Acq: 28 Aug 2024 16:52

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 9041

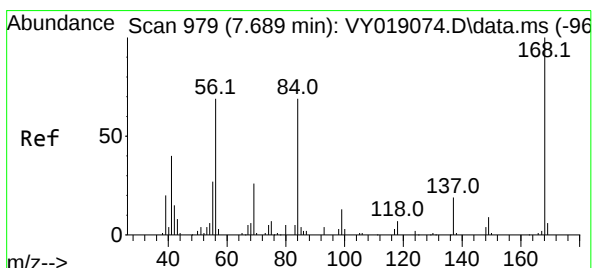
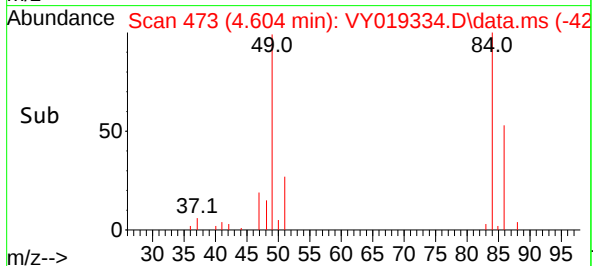
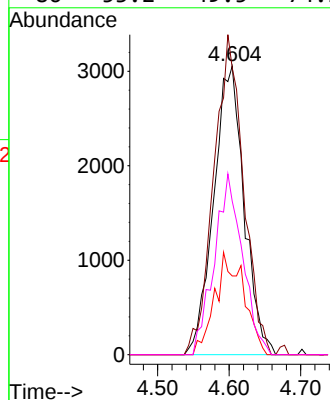
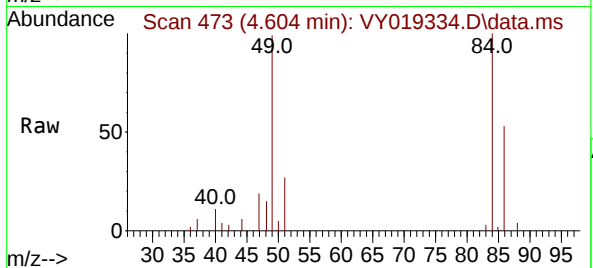
Ion Ratio Lower Upper

84 100

49 99.4 84.4 126.6

51 27.3 26.0 39.0

86 53.2 49.5 74.3



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY019334.D

Acq: 28 Aug 2024 16:52

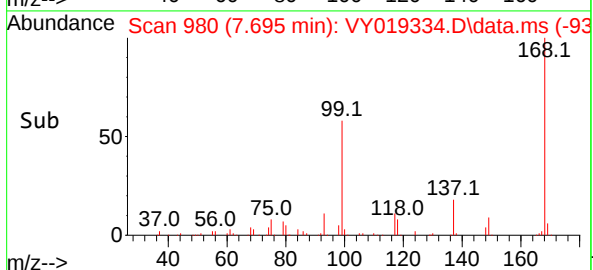
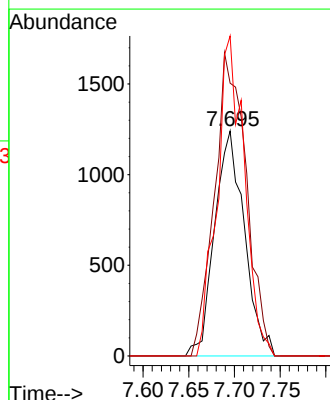
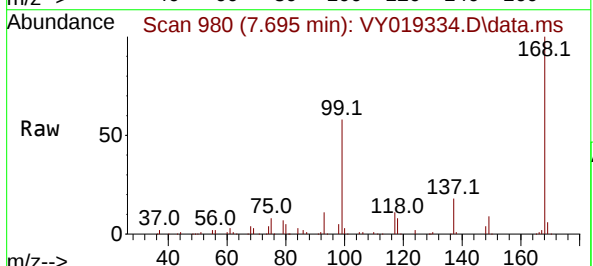
Tgt Ion: 56 Resp: 2807

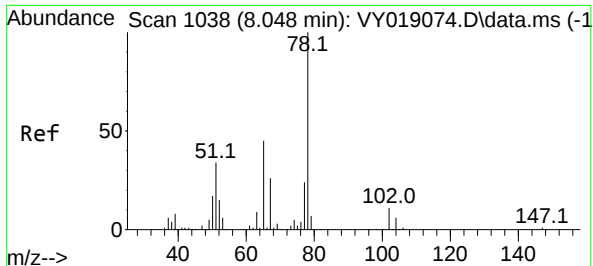
Ion Ratio Lower Upper

56 100

69 121.3 28.7 43.1#

84 142.2 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 55.715 ug/l

RT: 8.055 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019334.D

Acq: 28 Aug 2024 16:52

Instrument :

MSVOA_Y

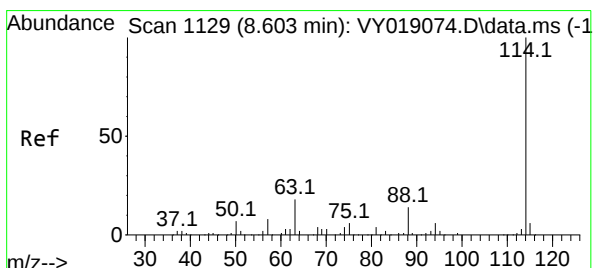
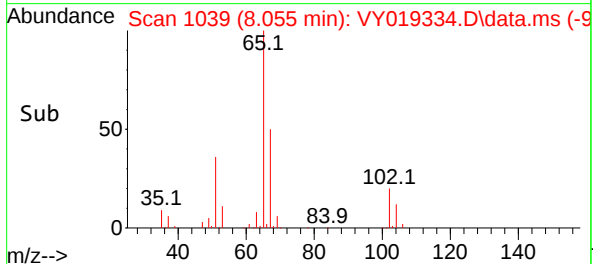
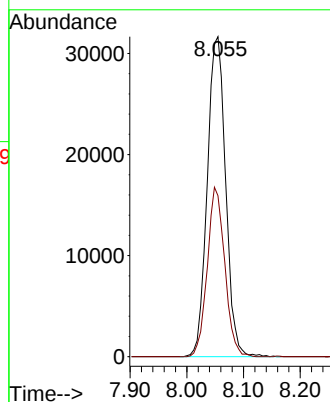
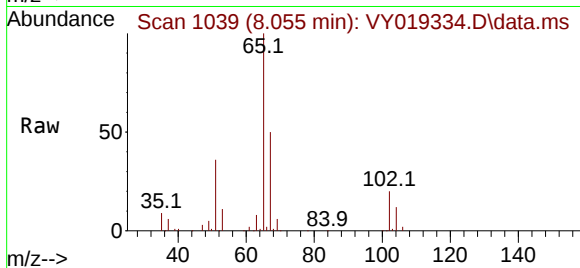
ClientSampleId :

Tgt Ion: 65 Resp: 71266

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# 1130

Delta R.T. 0.006 min

Lab File: VY019334.D

Acq: 28 Aug 2024 16:52

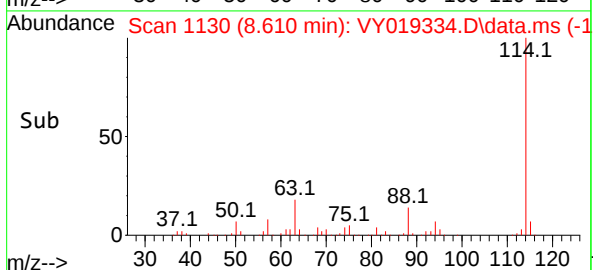
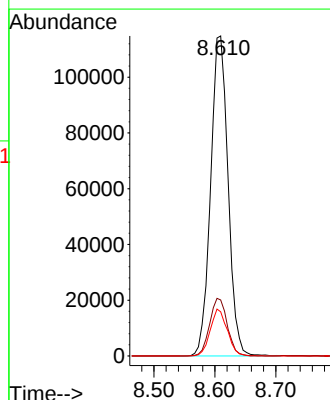
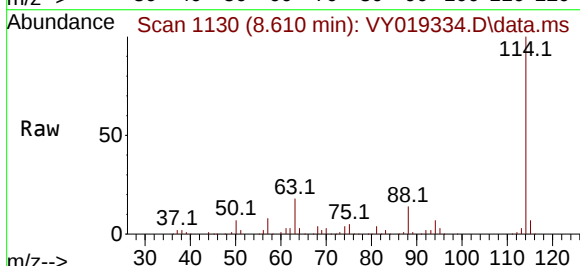
Tgt Ion: 114 Resp: 228031

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

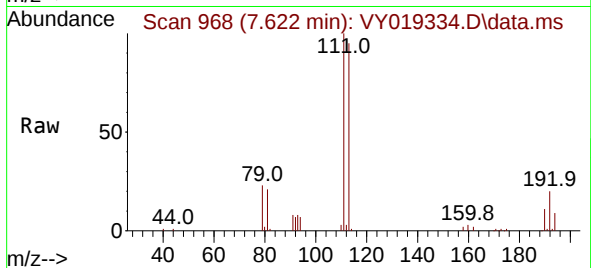
88 13.8 0.0 27.2



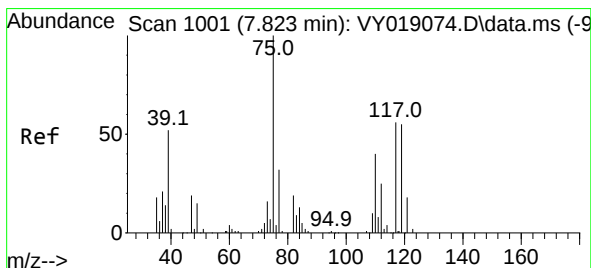
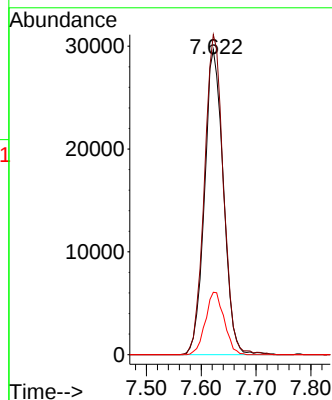
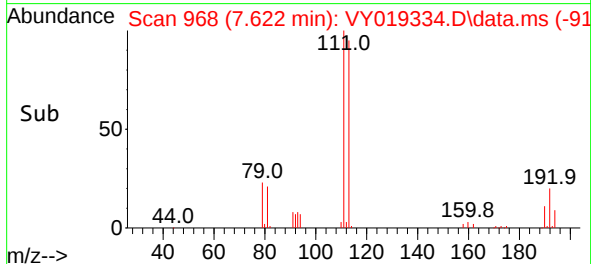


#35
Dibromofluoromethane
Concen: 47.467 ug/l
RT: 7.622 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY019334.D
Acq: 28 Aug 2024 16:52

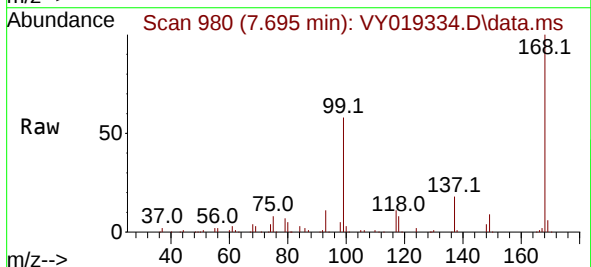
Instrument :
MSVOA_Y
ClientSampleId :



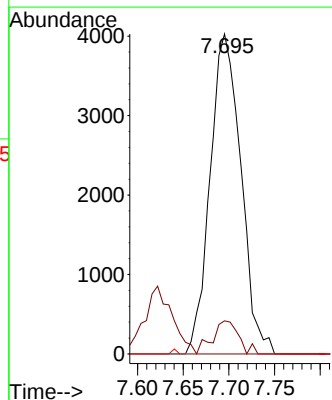
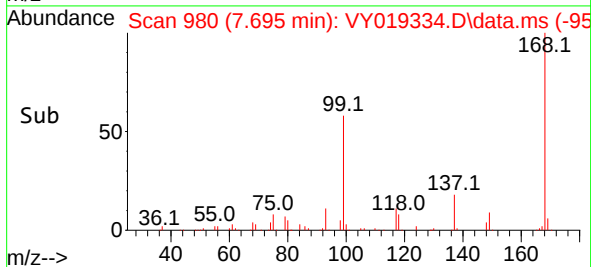
Tgt Ion:113 Resp: 70774
Ion Ratio Lower Upper
113 100
111 105.6 82.2 123.4
192 20.4 15.9 23.9

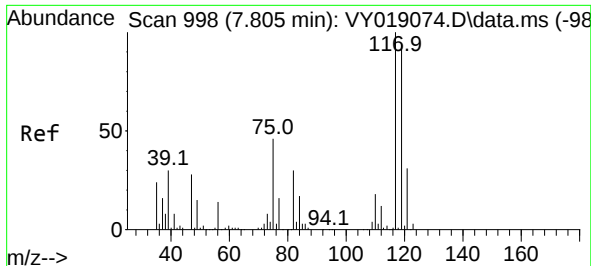


#36
1,1-Dichloropropene
Concen: 4.609 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY019334.D
Acq: 28 Aug 2024 16:52



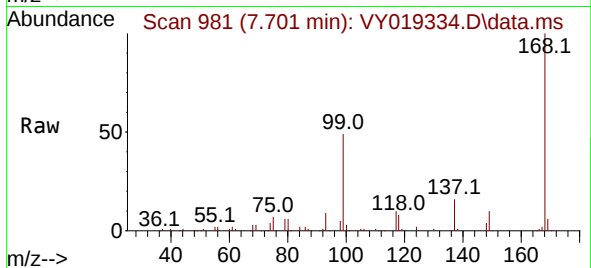
Tgt Ion: 75 Resp: 9437
Ion Ratio Lower Upper
75 100
110 8.8 19.0 57.0#
77 0.0 25.3 37.9#



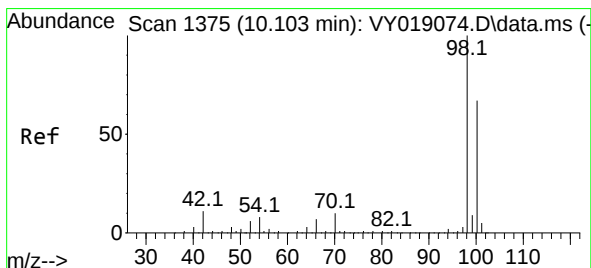
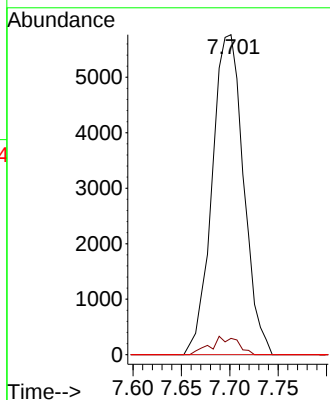
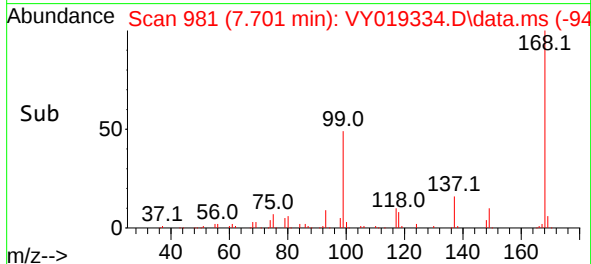


#38
Carbon Tetrachloride
Concen: 5.500 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019334.D
Acq: 28 Aug 2024 16:52

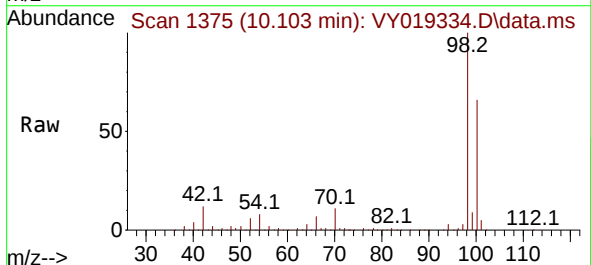
Instrument :
MSVOA_Y
ClientSampleId :



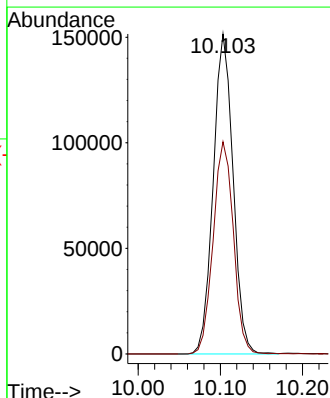
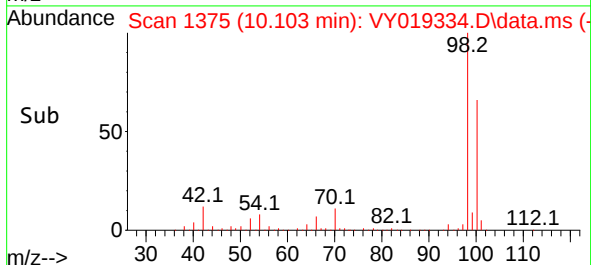
Tgt Ion:117 Resp: 13051
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.0 36.0#

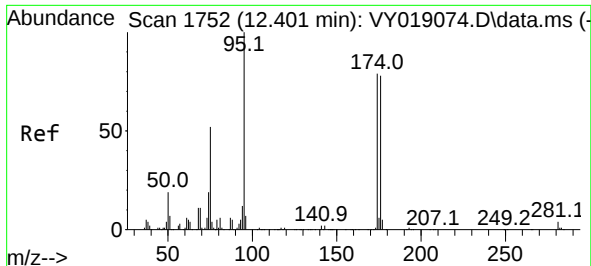


#50
Toluene-d8
Concen: 47.366 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019334.D
Acq: 28 Aug 2024 16:52



Tgt Ion: 98 Resp: 254145
Ion Ratio Lower Upper
98 100
100 67.6 52.0 78.0

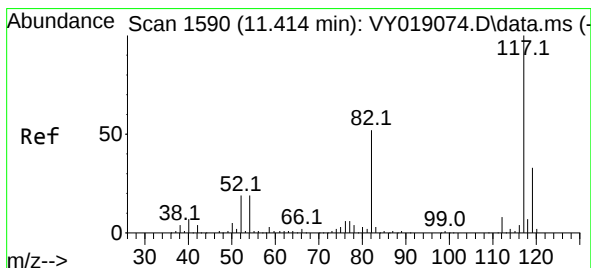
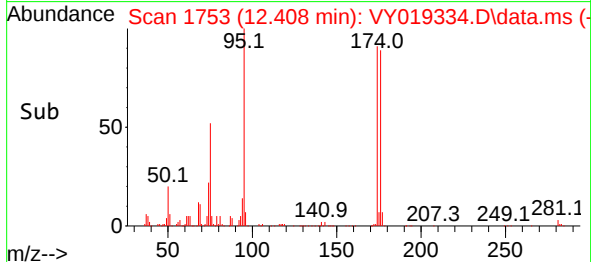
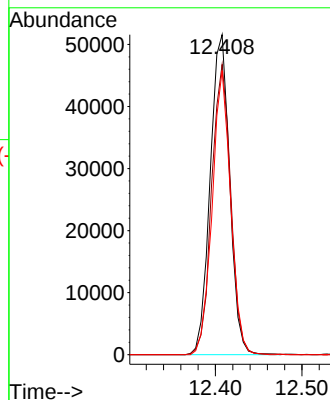
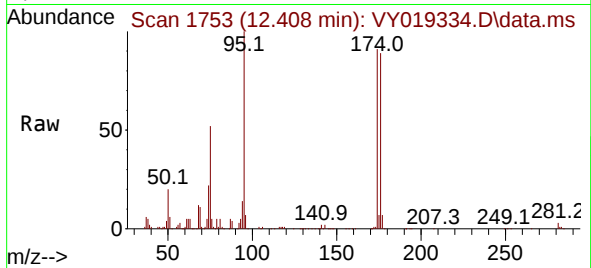




#62
4-Bromofluorobenzene
Concen: 43.928 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019334.D
Acq: 28 Aug 2024 16:52

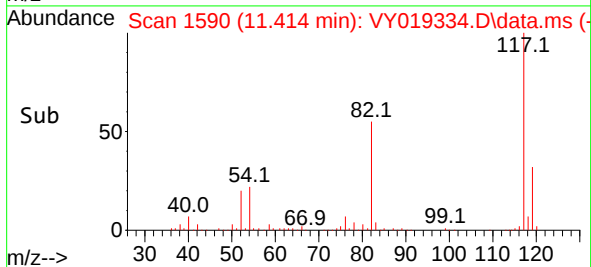
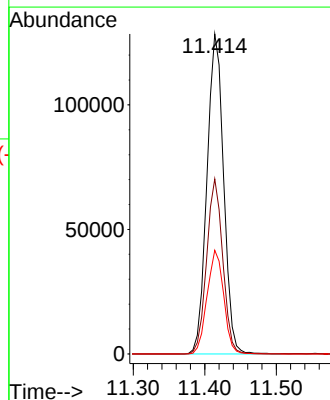
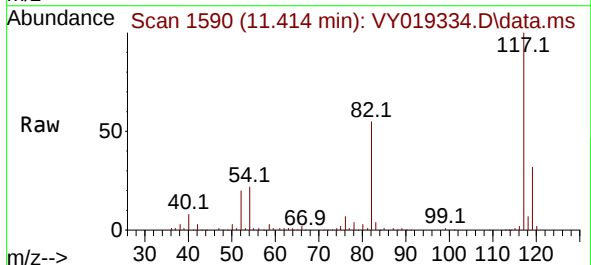
Instrument :
MSVOA_Y
ClientSampleId :

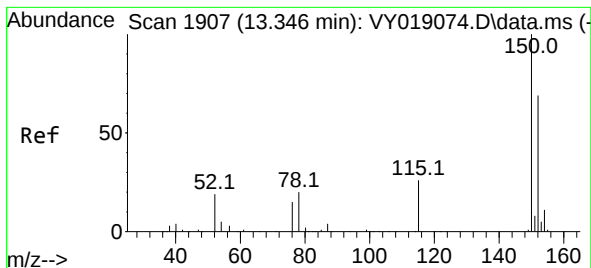
Tgt Ion: 95 Resp: 80349
Ion Ratio Lower Upper
95 100
174 89.4 0.0 175.6
176 84.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019334.D
Acq: 28 Aug 2024 16:52

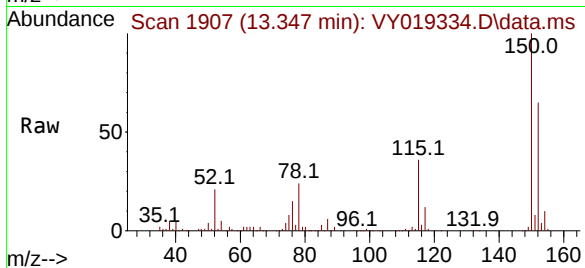
Tgt Ion: 117 Resp: 208045
Ion Ratio Lower Upper
117 100
82 54.7 42.4 63.6
119 32.4 25.9 38.9



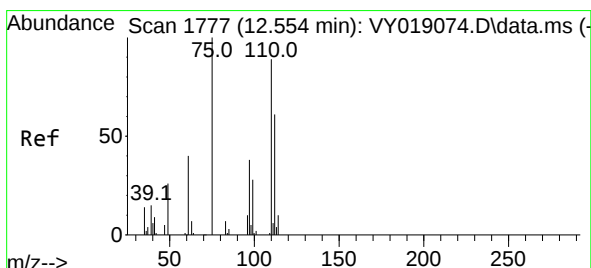
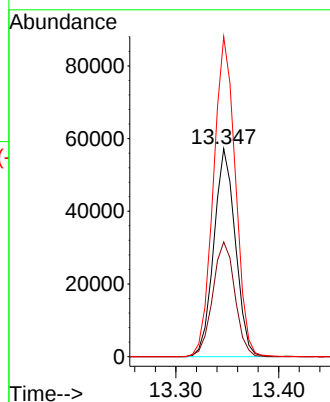
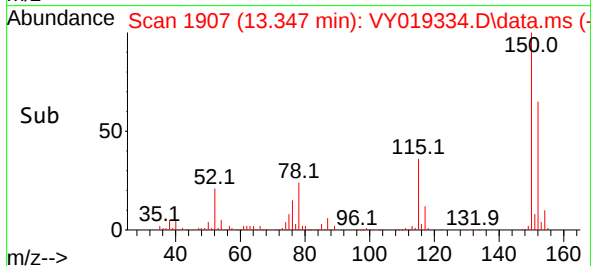


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019334.D
Acq: 28 Aug 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :

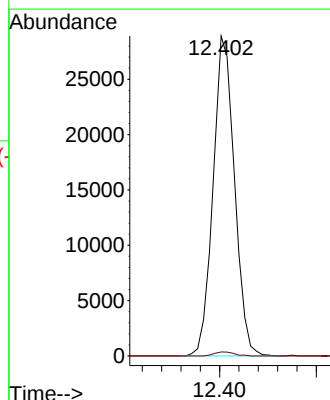
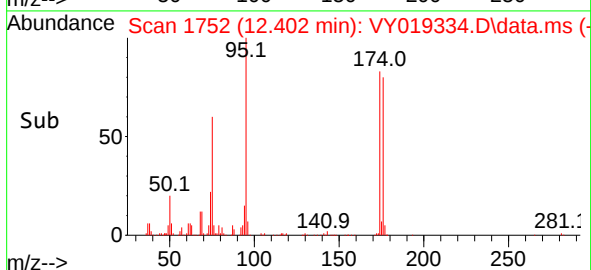
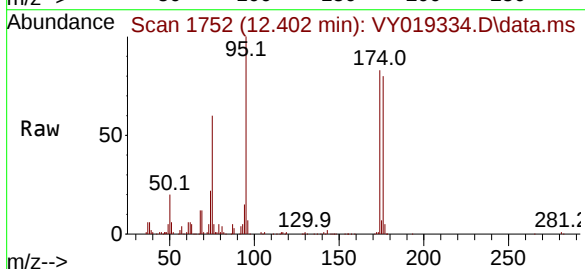


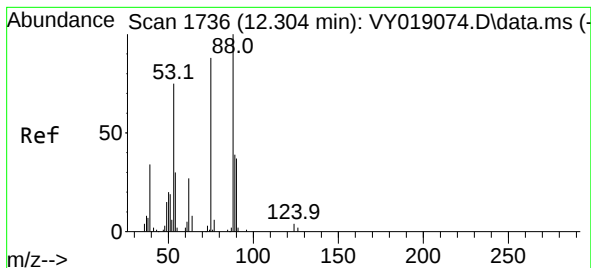
Tgt Ion:152 Resp: 83225
Ion Ratio Lower Upper
152 100
115 56.9 28.2 84.7
150 157.0 0.0 345.6



#76
1,2,3-Trichloropropane
Concen: 54.057 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY019334.D
Acq: 28 Aug 2024 16:52

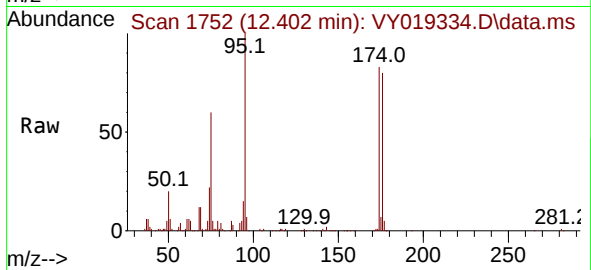
Tgt Ion: 75 Resp: 44367
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.502 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019334.D
 Acq: 28 Aug 2024 16:52

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.1	35.8	53.6#

