

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082820\
 Data File : VX018129.D
 Acq On : 28 Aug 2020 18:34
 Operator : JC/SP
 Sample : L3831-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-01-20200827

Quant Time: Aug 29 03:08:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	498987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	827251	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	803036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	360055	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	351708	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
35) Dibromofluoromethane	5.47	113	280237	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	8.70	98	1015978	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	11.12	95	367172	44.47	ug/l	0.00
Spiked Amount			Recovery	=	88.94%	

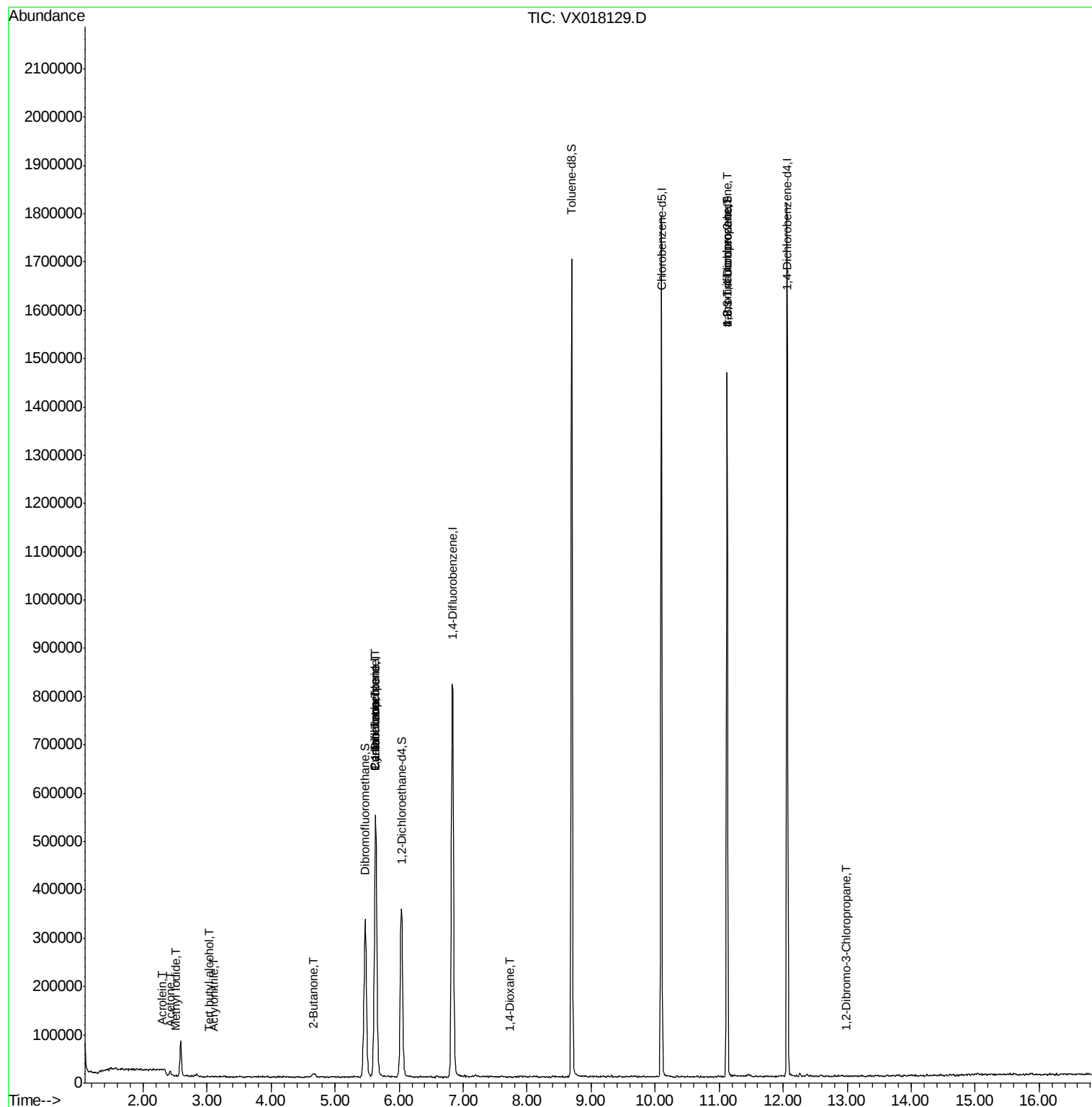
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	407	5.359	ug/l #	73
11) Tert butyl alcohol	3.03	59	356	0.264	ug/l #	71
13) Acrolein	2.30	56	738	1.321	ug/l #	71
15) Acrylonitrile	3.09	53	684	0.224	ug/l #	64
16) Acetone	2.42	43	12836	4.755	ug/l	94
20) Methylene Chloride	2.83	84	3183	Below Cal	#	49
25) 2-Butanone	4.67	43	1334	0.301	ug/l #	66
31) Cyclohexane	5.63	56	10634	1.283	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	40213	5.270	ug/l #	52
38) Carbon Tetrachloride	5.63	117	52503	6.106	ug/l #	17
49) 1,4-Dioxane	7.72	88	132	1.023	ug/l #	19
76) 1,2,3-Trichloropropane	11.12	75	185978	23.219	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	185978	62.712	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	467	0.223	ug/l #	1

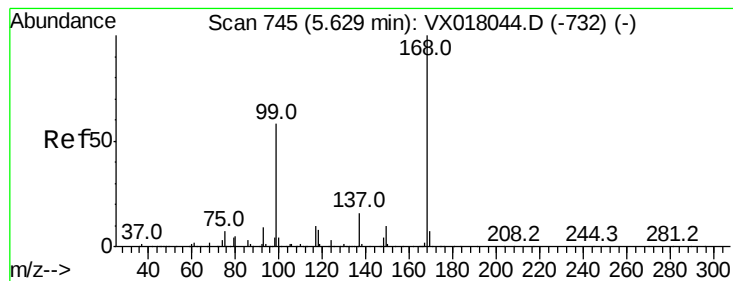
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018129.D

Acq: 28 Aug 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

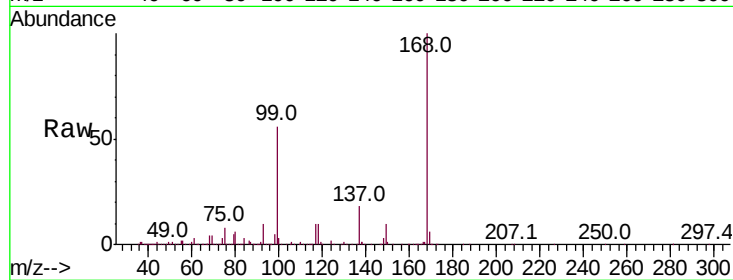
DUP-01-20200827

Tot Ion:168 Resp: 498987

Ion Ratio Lower Upper

168 100

99 56.3 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

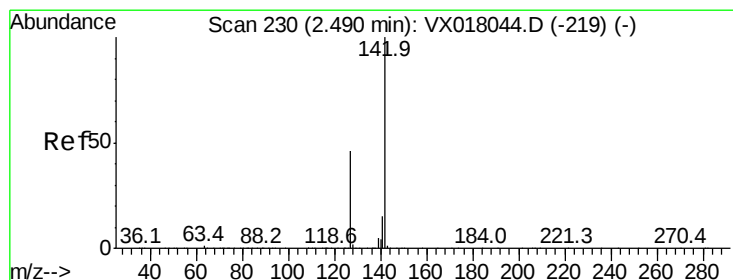
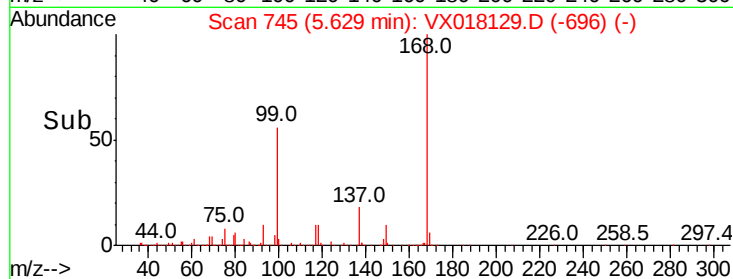
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.359 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX018129.D

Acq: 28 Aug 2020 18:34

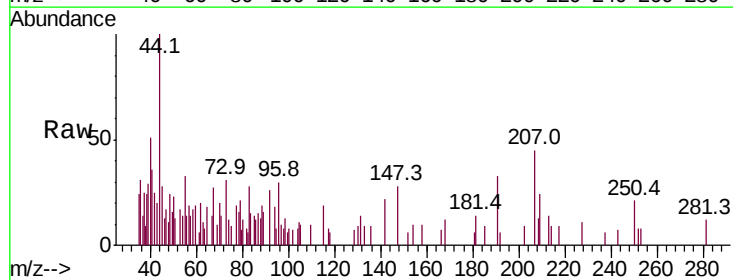
Tgt Ion:142 Resp: 407

Ion Ratio Lower Upper

142 100

127 22.6 37.0 55.6#

141 14.3 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

250

200

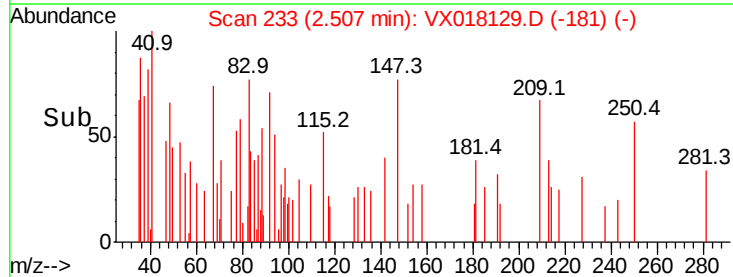
150

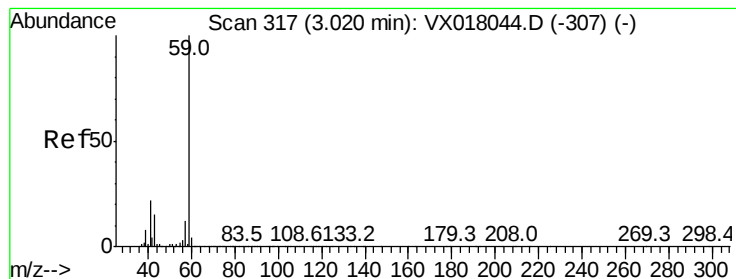
100

50

0

Time-->



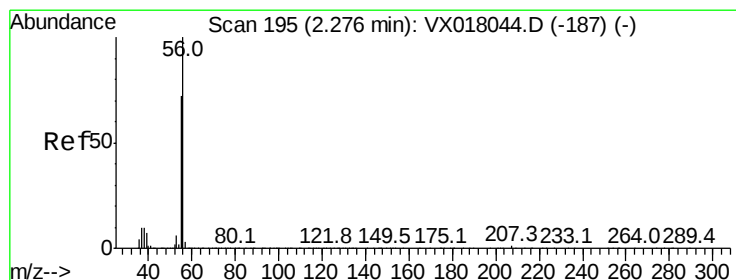
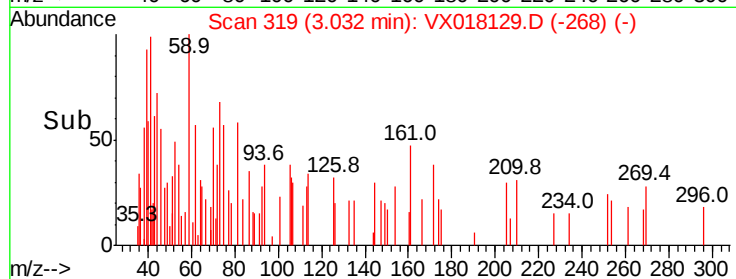
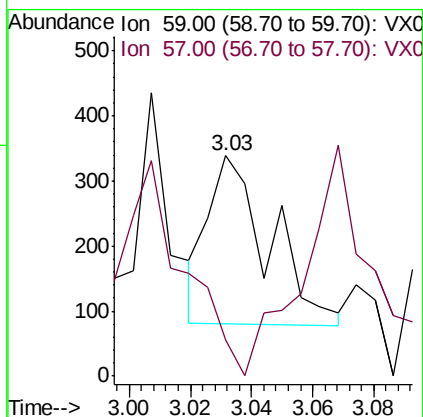
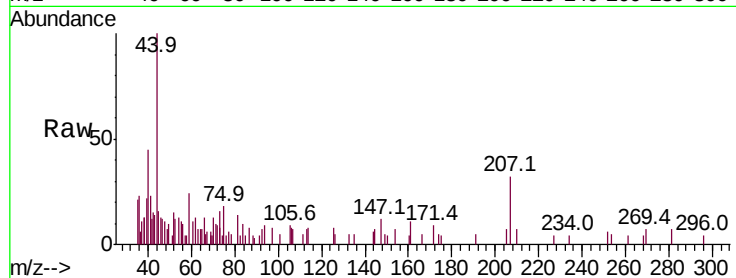


#11

Tert butyl alcohol
 Concen: 0.264 ug/l
 RT: 3.03 min Scan# 319
 Delta R.T. 0.01 min
 Lab File: VX018129.D
 Acq: 28 Aug 2020 18:34

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-01-20200827

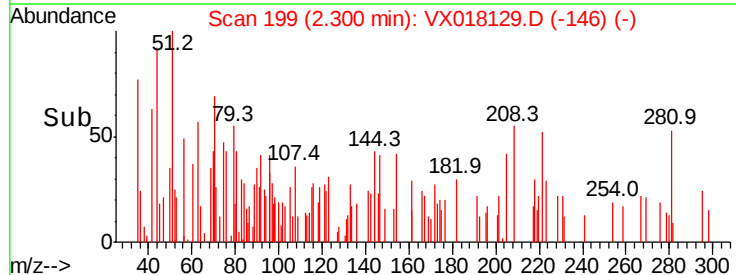
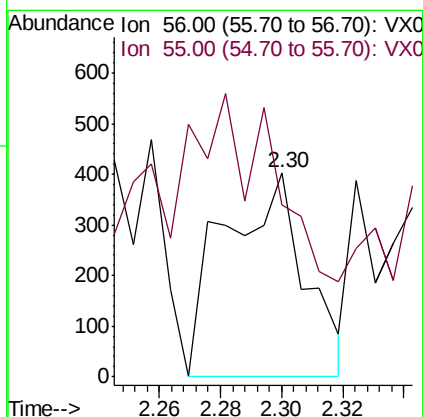
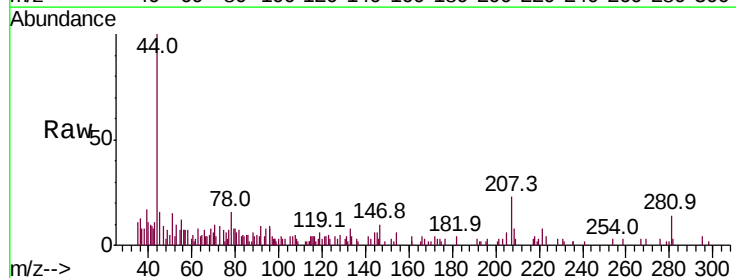
Tot Ion: 59 Resp: 356
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.9 13.3#

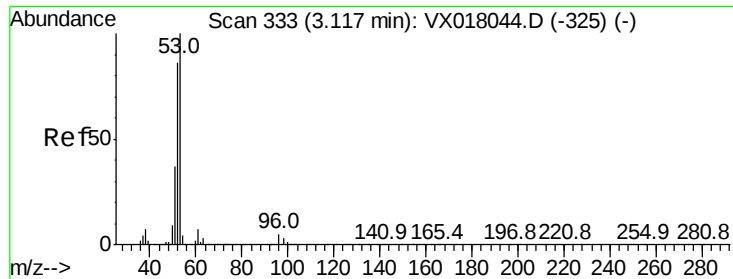


#13

Acrolein
 Concen: 1.321 ug/l
 RT: 2.30 min Scan# 199
 Delta R.T. 0.02 min
 Lab File: VX018129.D
 Acq: 28 Aug 2020 18:34

Tgt Ion: 56 Resp: 738
 Ion Ratio Lower Upper
 56 100
 55 95.4 57.0 85.6#





#15

Acrylonitrile

Concen: 0.224 ug/l

RT: 3.09 min Scan# 329

Delta R.T. -0.02 min

Lab File: VX018129.D

Acq: 28 Aug 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-20200827

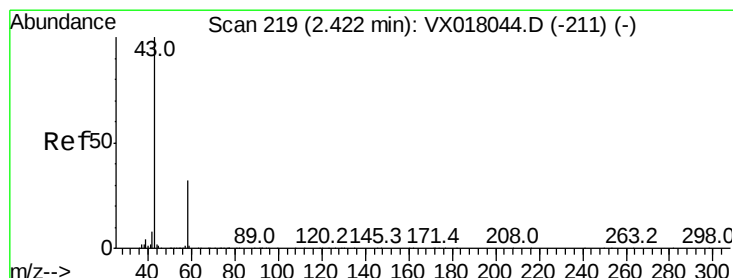
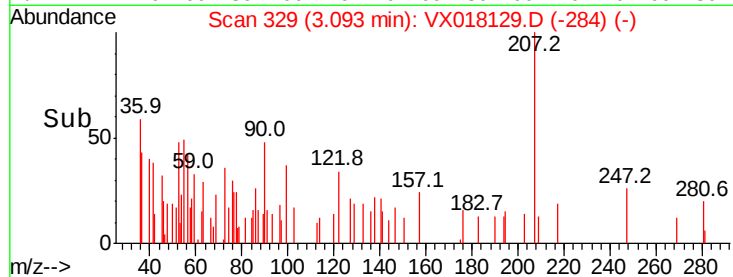
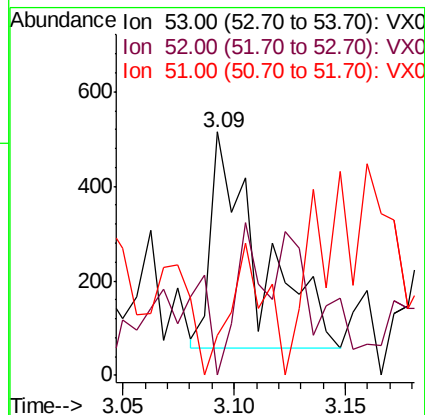
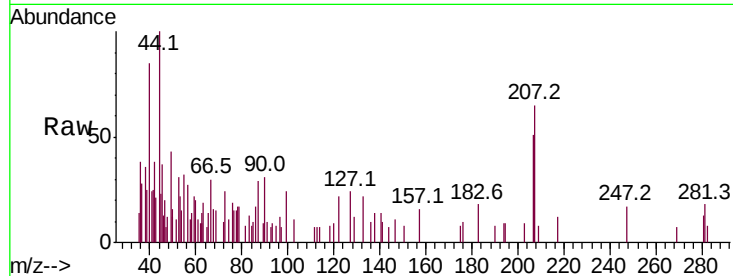
Tot Ion: 53 Resp: 684

Ion Ratio Lower Upper

53 100

52 42.3 66.9 100.3#

51 44.6 28.7 43.1#



#16

Acetone

Concen: 4.755 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018129.D

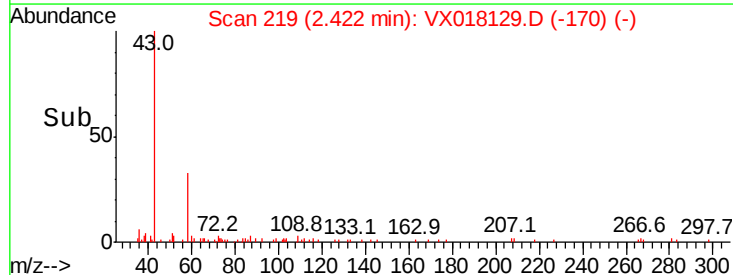
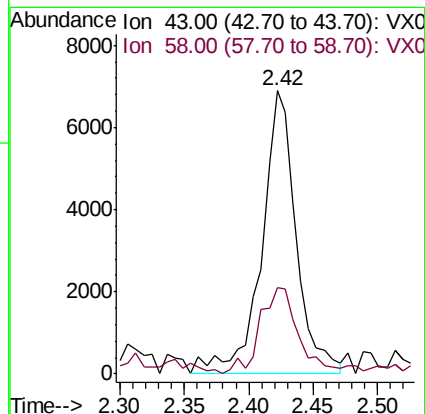
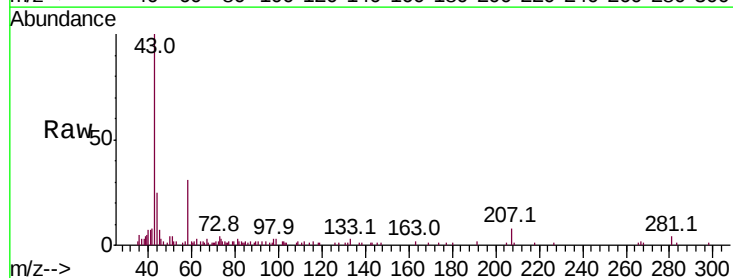
Acq: 28 Aug 2020 18:34

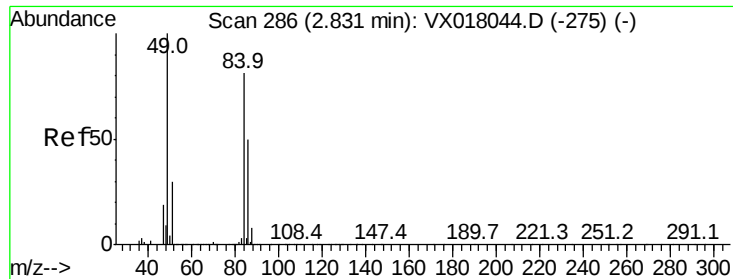
Tgt Ion: 43 Resp: 12836

Ion Ratio Lower Upper

43 100

58 28.4 25.5 38.3

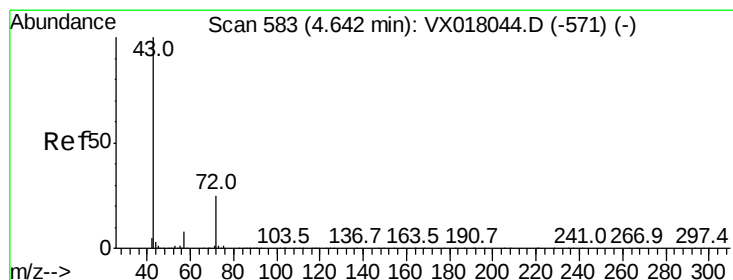
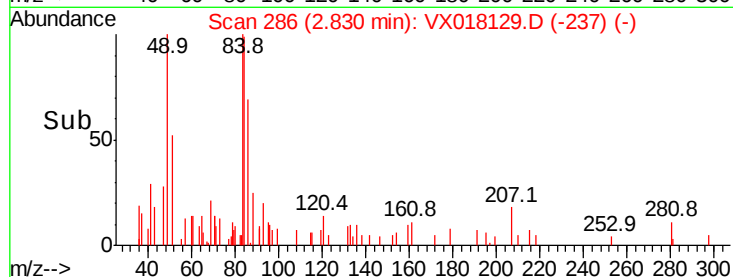
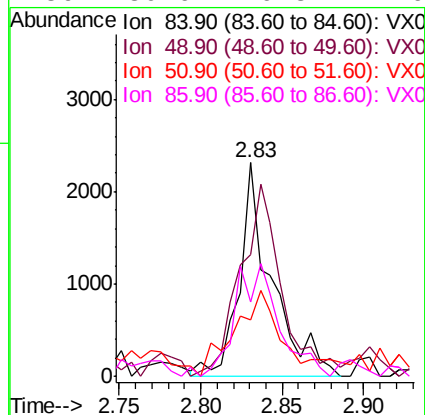
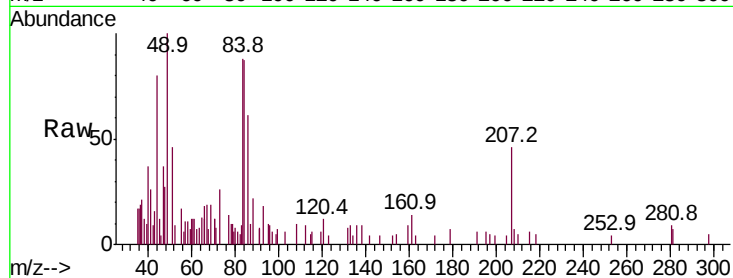




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018129.D
Acq: 28 Aug 2020 18:34

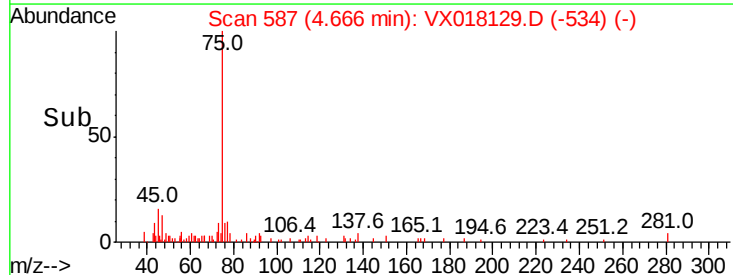
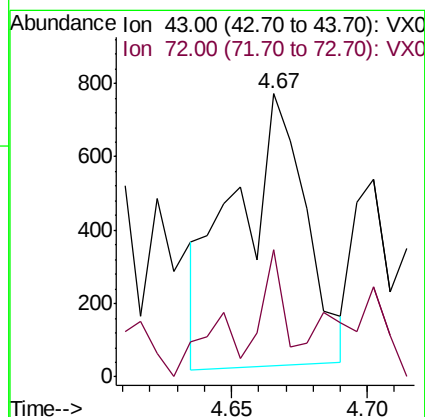
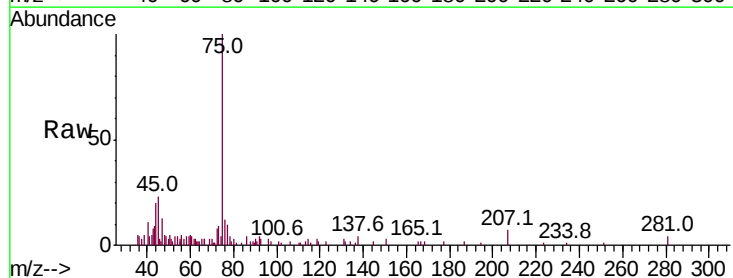
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-20200827

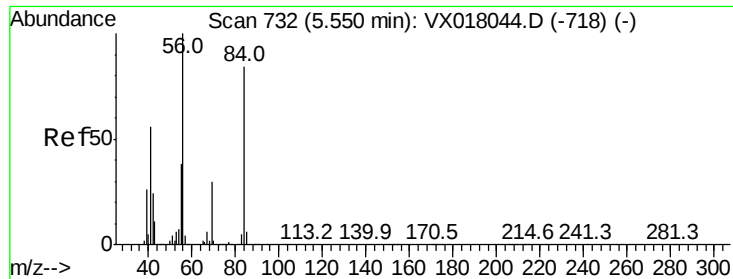
Tot Ion: 84 Resp: 3183
Ion Ratio Lower Upper
84 100
49 53.0 98.6 148.0#
51 19.8 29.6 44.4#
86 30.6 49.8 74.6#



#25
2-Butanone
Concen: 0.301 ug/l
RT: 4.67 min Scan# 587
Delta R.T. 0.02 min
Lab File: VX018129.D
Acq: 28 Aug 2020 18:34

Tgt Ion: 43 Resp: 1334
Ion Ratio Lower Upper
43 100
72 41.5 19.8 29.6#

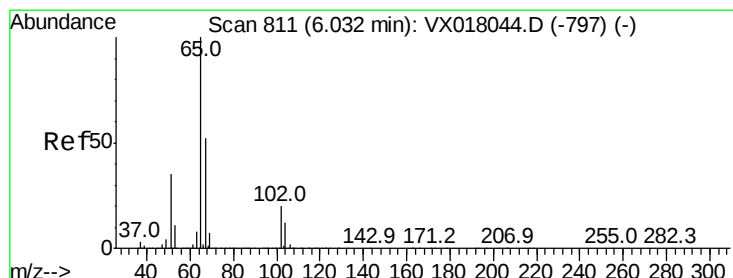
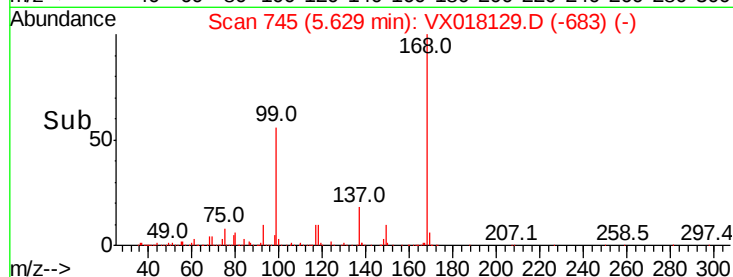
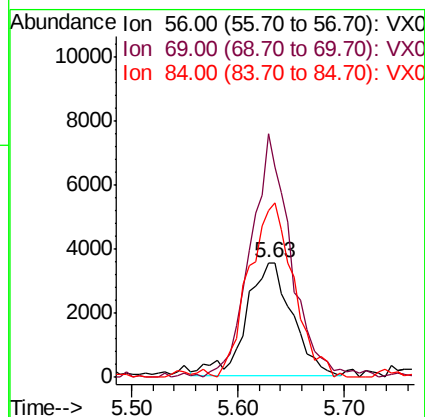
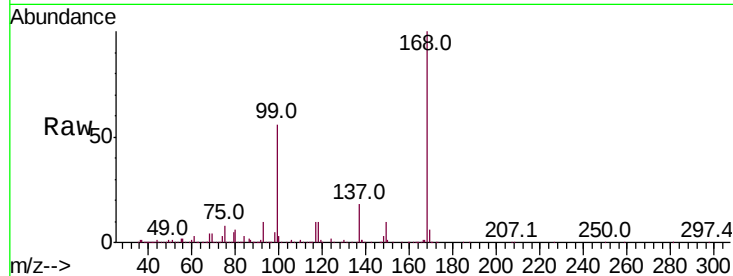




#31
Cyclohexane
Concen: 1.283 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018129.D
Acq: 28 Aug 2020 18:34

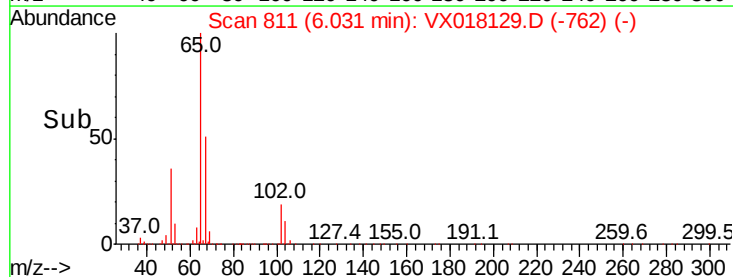
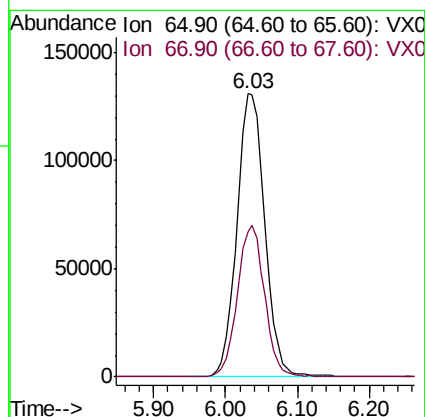
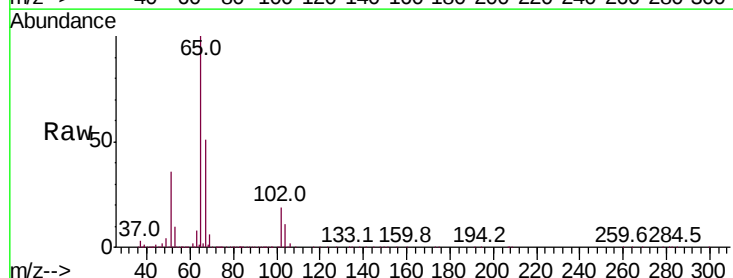
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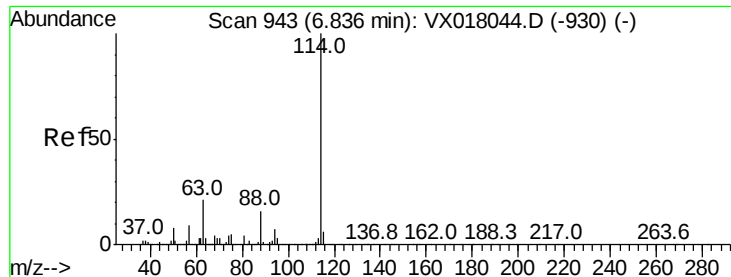
Tot Ion: 56 Resp: 10634
Ion Ratio Lower Upper
56 100
69 213.4 23.9 35.9#
84 145.3 67.0 100.4#



#33
1,2-Dichloroethane-d4
Concen: 50.772 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018129.D
Acq: 28 Aug 2020 18:34

Tgt Ion: 65 Resp: 351708
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018129.D

Acq: 28 Aug 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-20200827

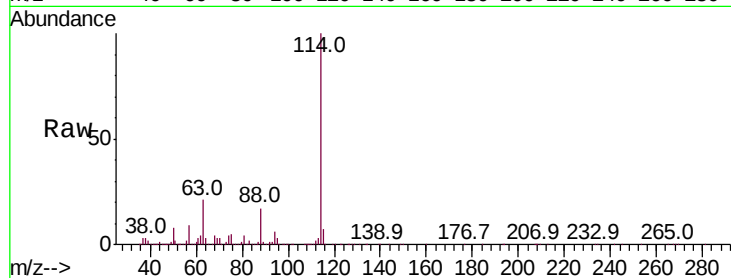
Tot Ion:114 Resp: 827251

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

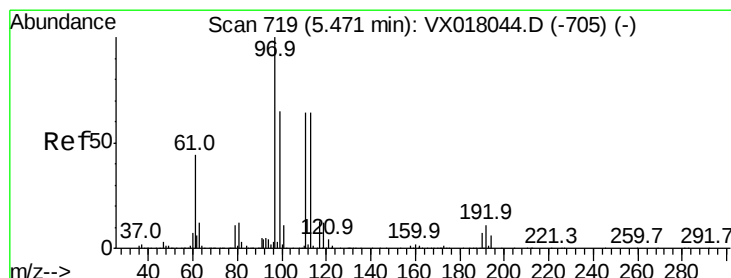
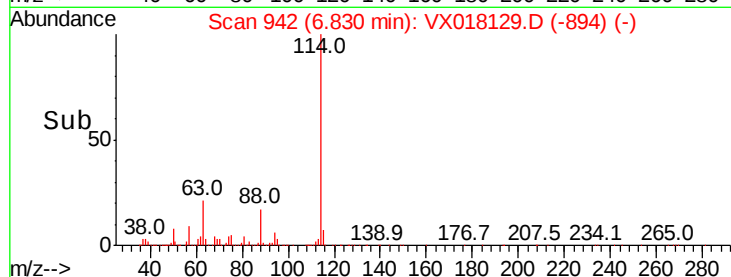
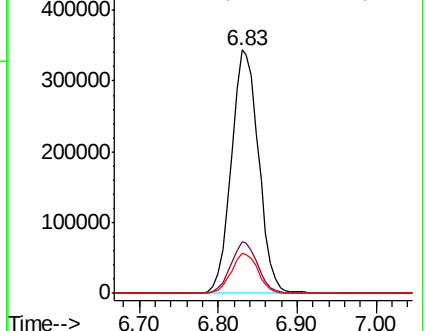
88 16.7 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.740 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018129.D

Acq: 28 Aug 2020 18:34

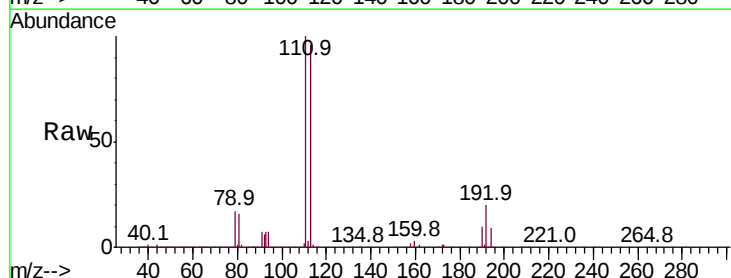
Tgt Ion:113 Resp: 280237

Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

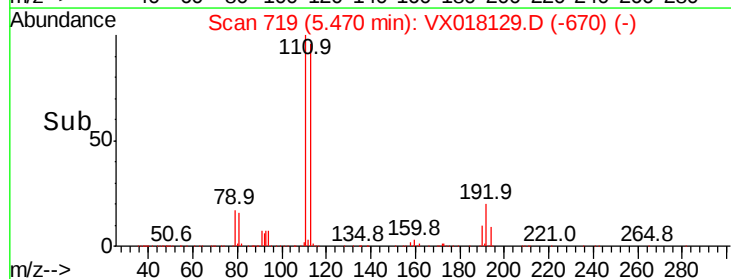
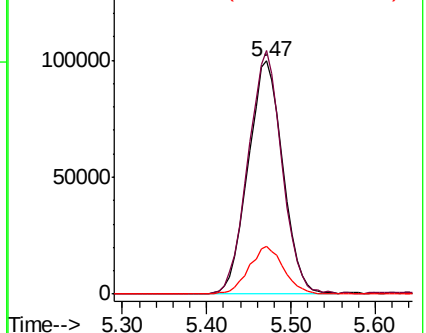
192 20.3 15.8 23.8

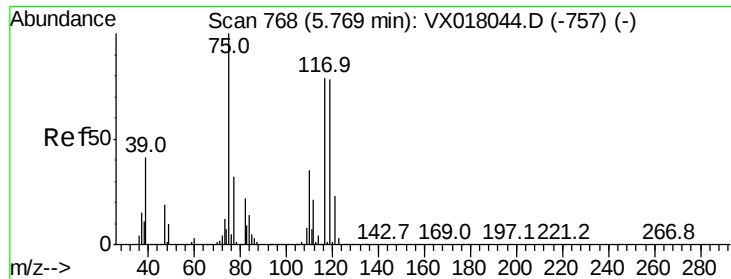


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

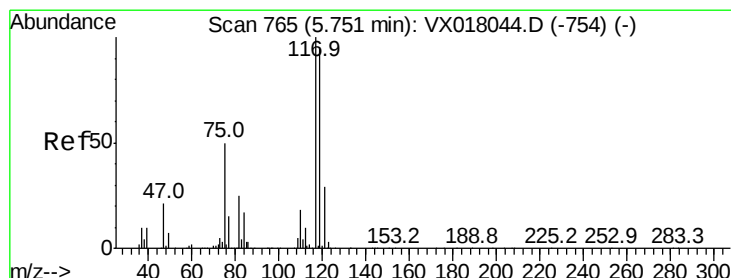
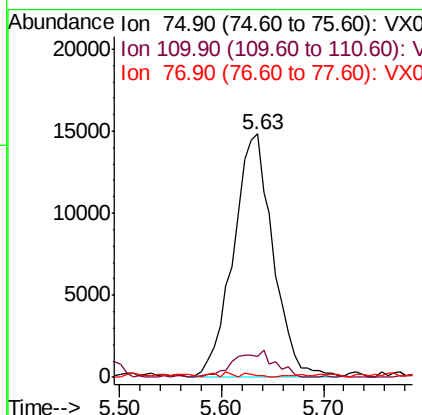
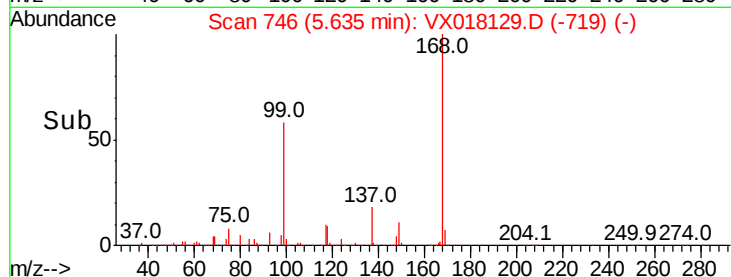
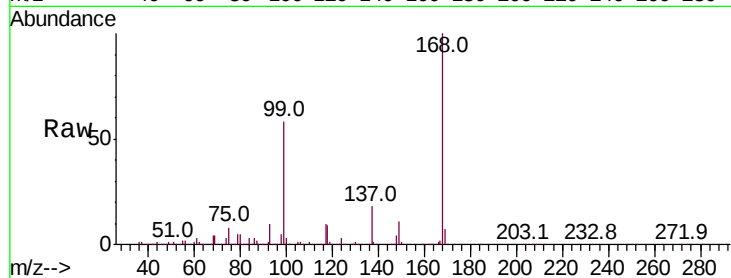




#36
 1,1-Dichloropropene
 Concen: 5.270 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018129.D
 Acq: 28 Aug 2020 18:34

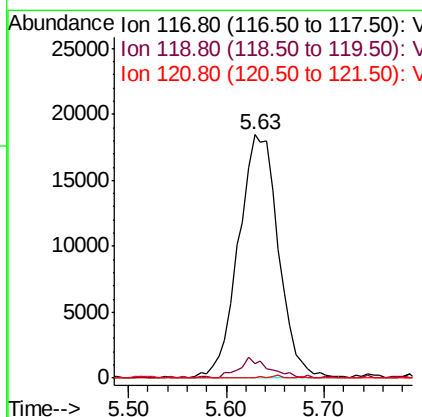
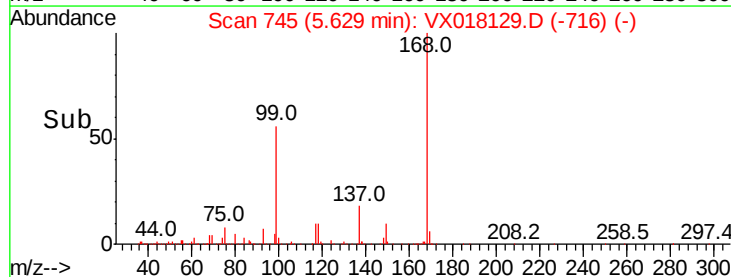
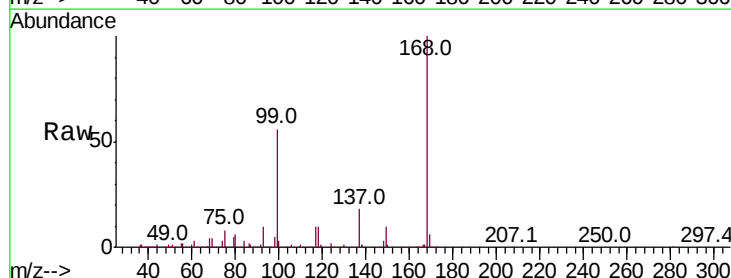
Instrument :
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 DUP-01-20200827

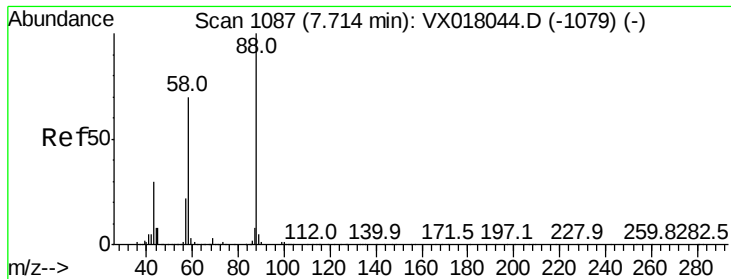
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.0	18.0	54.0#
77	0.5	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.106 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018129.D
 Acq: 28 Aug 2020 18:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	75.8	113.6#
121	0.0	23.4	35.0#





#49

1,4-Dioxane

Concen: 1.023 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018129.D

Acq: 28 Aug 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-20200827

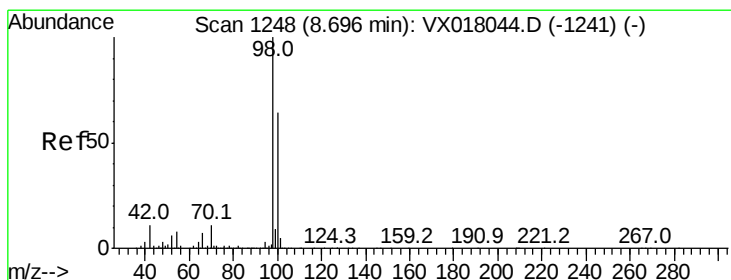
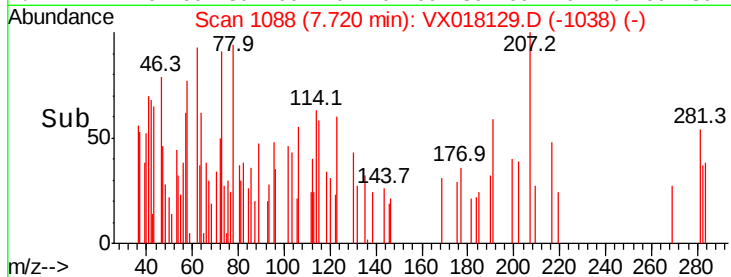
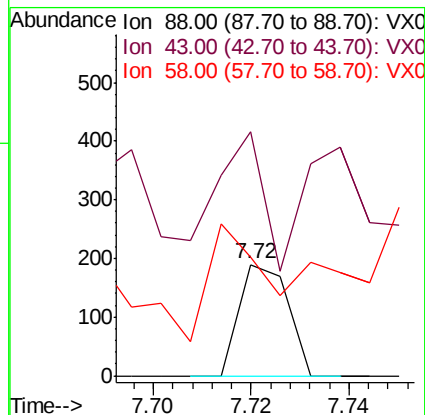
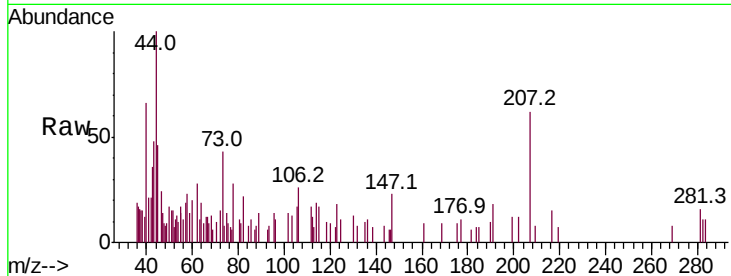
Tot Ion: 88 Resp: 132

Ion Ratio Lower Upper

88 100

43 111.4 27.4 41.0#

58 115.9 56.4 84.6#



#50

Toluene-d8

Concen: 48.417 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018129.D

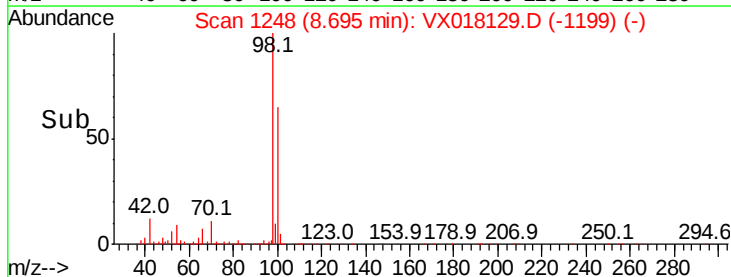
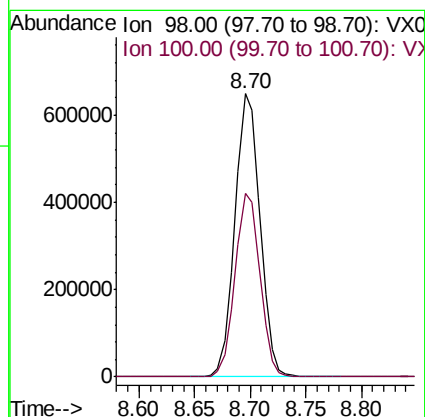
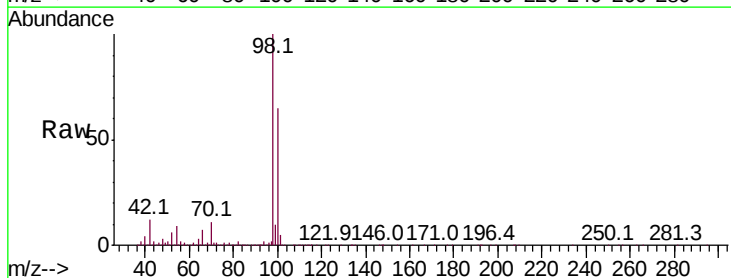
Acq: 28 Aug 2020 18:34

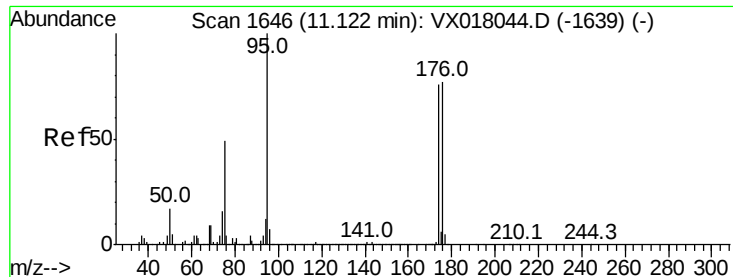
Tgt Ion: 98 Resp: 1015978

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 44.473 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018129.D

Acq: 28 Aug 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-20200827

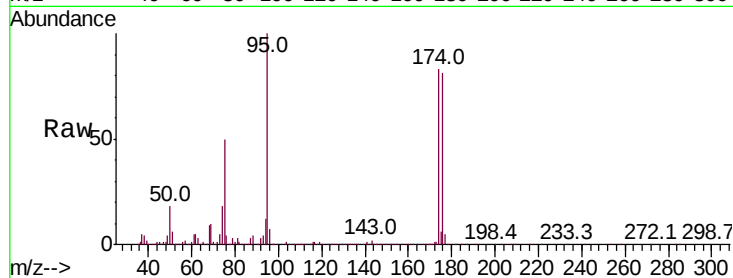
Tot Ion: 95 Resp: 367172

Ion Ratio Lower Upper

95 100

174 80.0 0.0 160.2

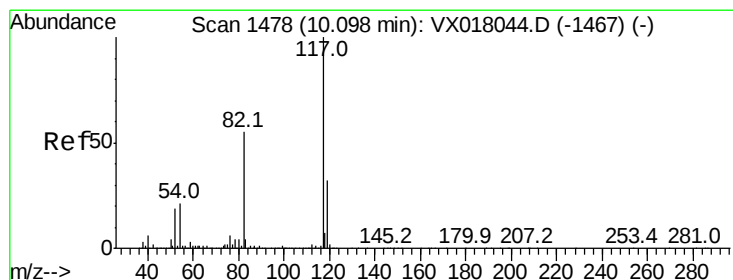
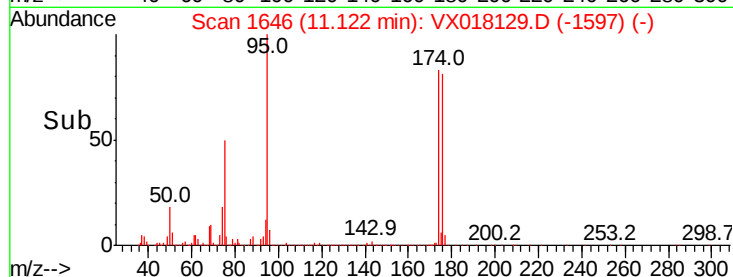
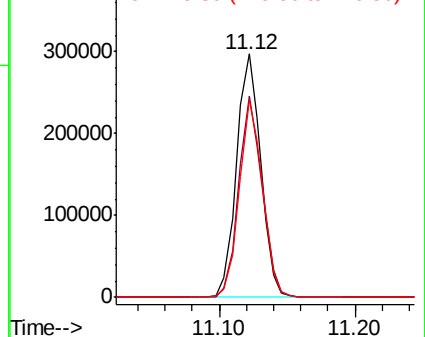
176 78.4 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018129.D

Acq: 28 Aug 2020 18:34

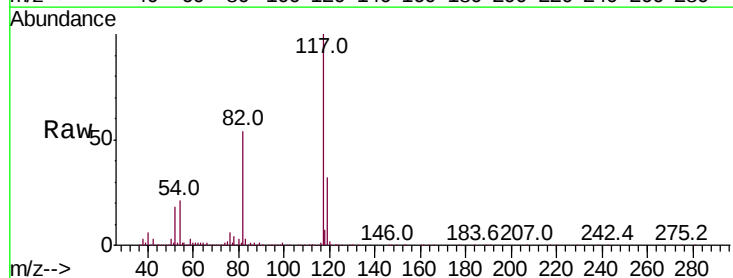
Tgt Ion: 117 Resp: 803036

Ion Ratio Lower Upper

117 100

82 54.2 44.2 66.2

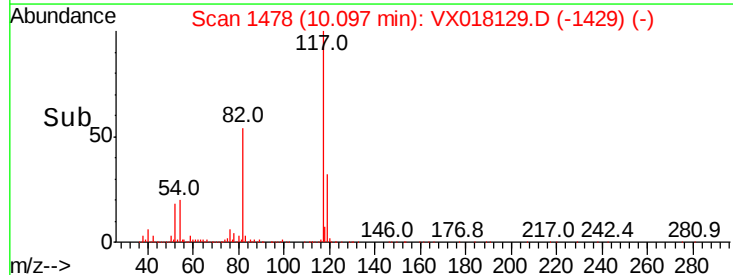
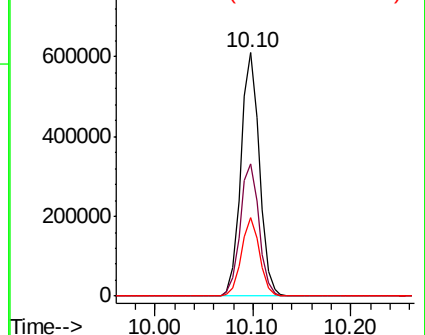
119 32.4 25.7 38.5

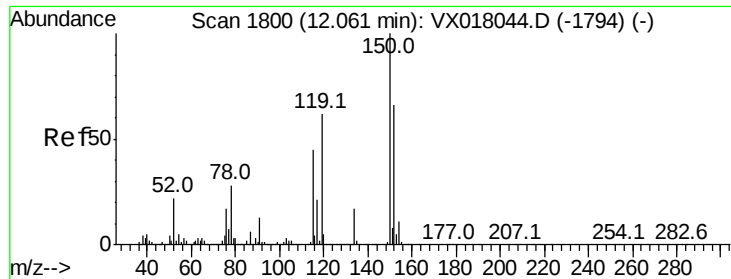


Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018129.D

Acq: 28 Aug 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-20200827

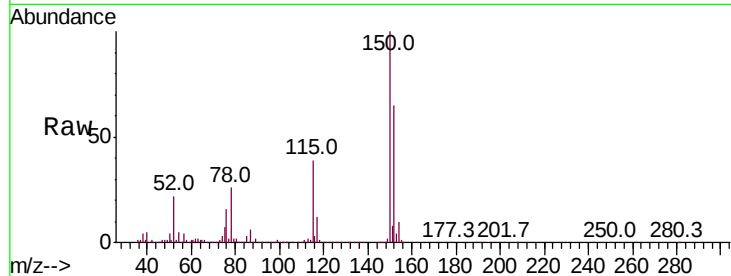
Tot Ion:152 Resp: 360055

Ion Ratio Lower Upper

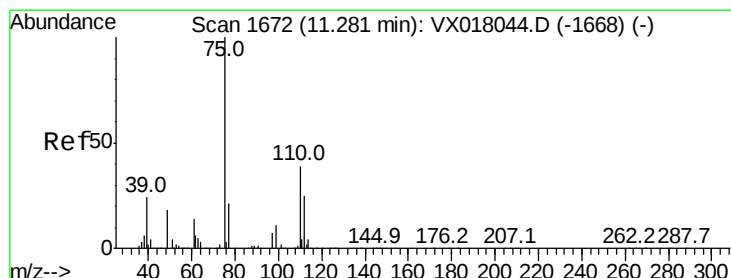
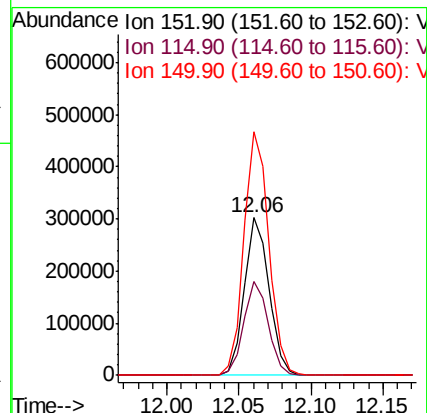
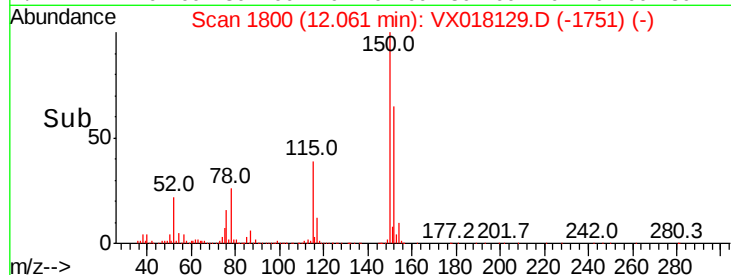
152 100

115 59.2 41.5 124.5

150 155.7 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.219 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018129.D

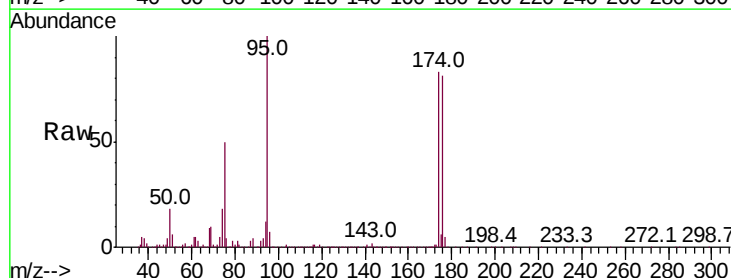
Acq: 28 Aug 2020 18:34

Tgt Ion: 75 Resp: 185978

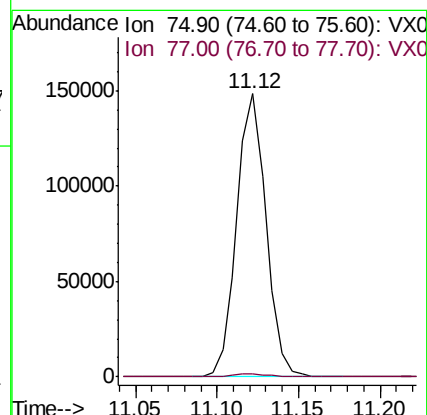
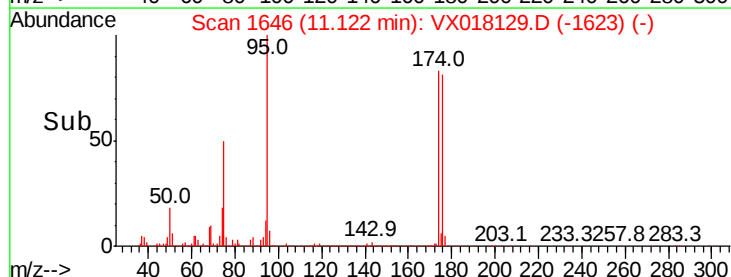
Ion Ratio Lower Upper

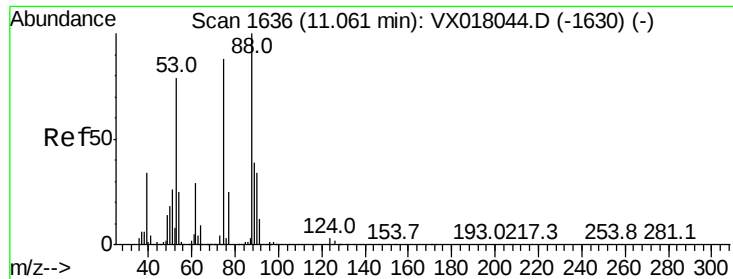
75 100

77 1.5 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.712 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018129.D

Acq: 28 Aug 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-20200827

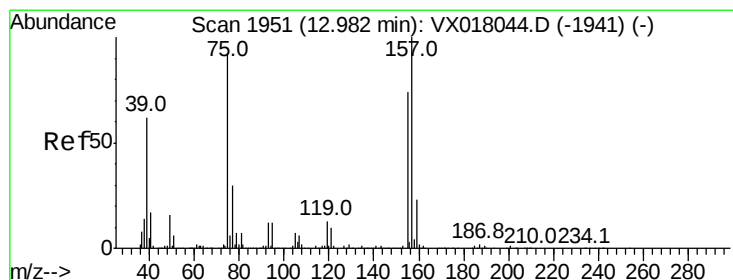
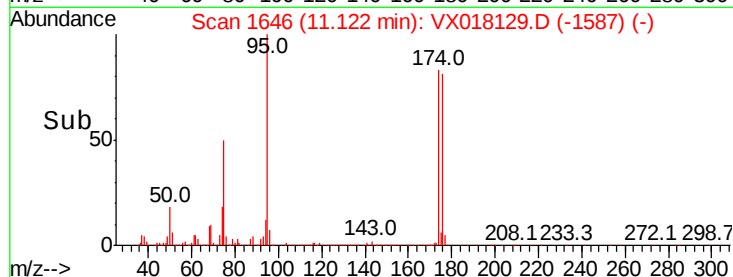
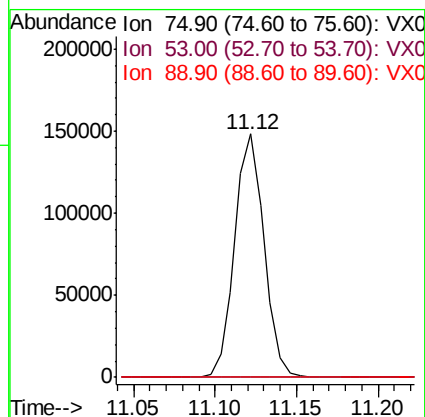
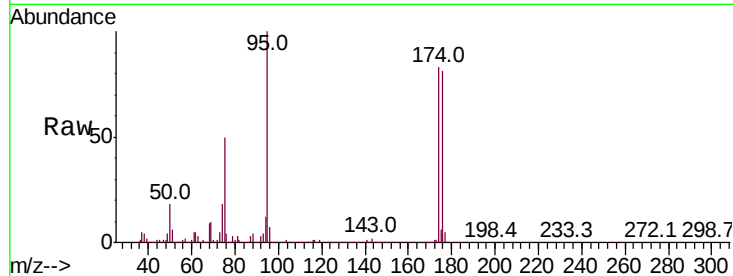
Tot Ion: 75 Resp: 185978

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.1 36.6 54.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.223 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX018129.D

Acq: 28 Aug 2020 18:34

Tgt Ion: 75 Resp: 467

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 0.0 55.0 165.2#

