

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018148.D
 Acq On : 31 Aug 2020 15:30
 Operator : JC/SP
 Sample : L3831-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WEST-DITCH-IN-20200827

Quant Time: Sep 01 05:31:30 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	517009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	836254	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	787973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	371640	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	355175	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
35) Dibromofluoromethane	5.46	113	279146	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	8.70	98	1021417	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	11.12	95	374925	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	

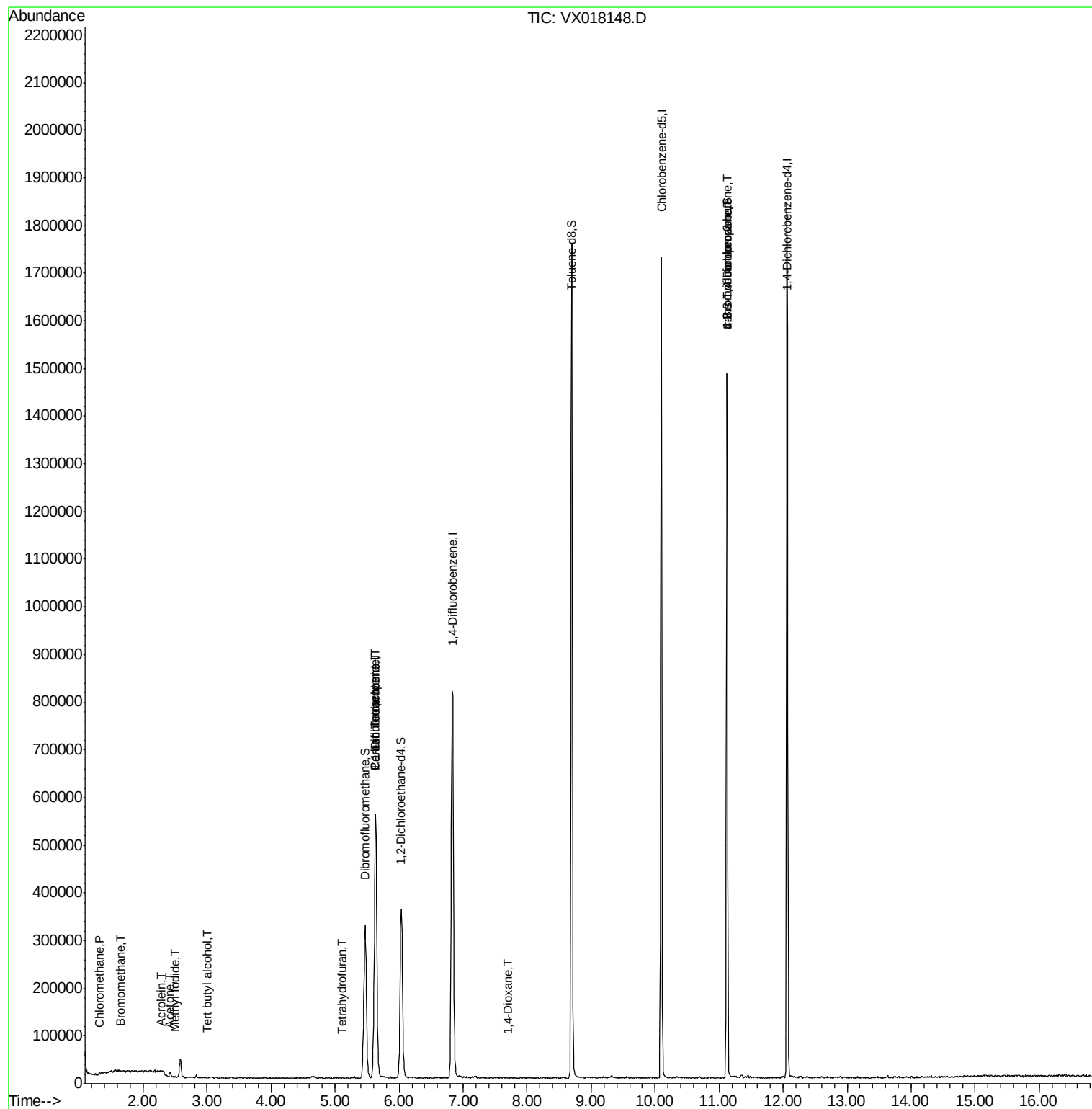
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2092	0.315	ug/l	91
5) Bromomethane	1.64	94	815	0.256	ug/l #	51
10) Methyl Iodide	2.50	142	417	5.358	ug/l #	12
11) Tert butyl alcohol	3.01	59	379	0.272	ug/l #	1
13) Acrolein	2.28	56	127	0.219	ug/l #	1
16) Acetone	2.42	43	9566	3.420	ug/l	97
20) Methylene Chloride	2.82	84	2657	Below Cal	#	62
29) Tetrahydrofuran	5.09	42	641	0.219	ug/l #	47
36) 1,1-Dichloropropene	5.63	75	39934	5.177	ug/l #	51
38) Carbon Tetrachloride	5.63	117	53301	6.132	ug/l #	18
49) 1,4-Dioxane	7.70	88	185	1.418	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	187676	22.701	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	187676	61.312	ug/l #	12

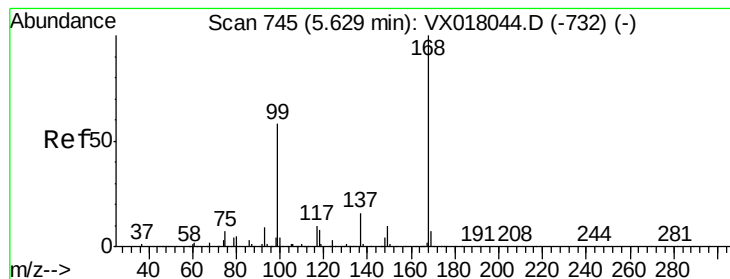
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018148.D

Acq: 31 Aug 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

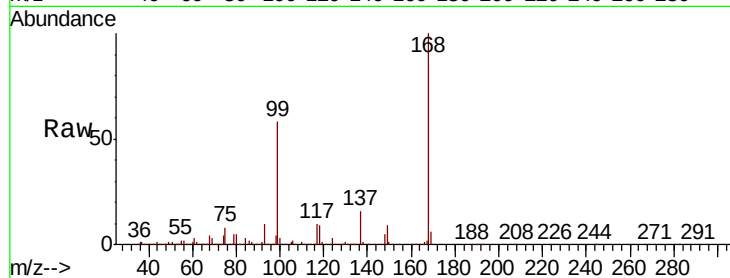
WEST-DITCH-IN-20200827

Tot Ion:168 Resp: 517009

Ion Ratio Lower Upper

168 100

99 58.1 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

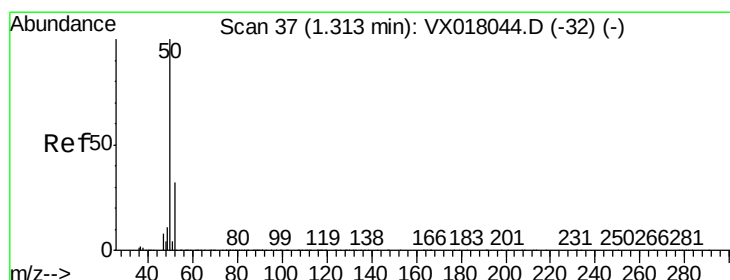
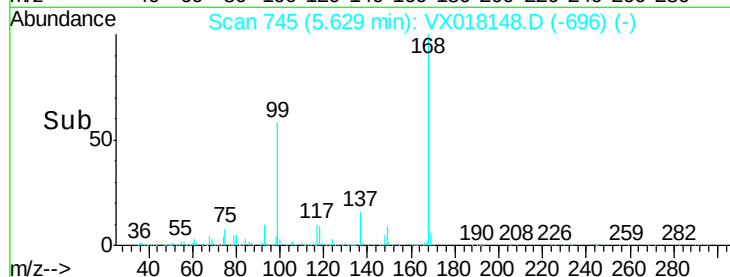
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.315 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018148.D

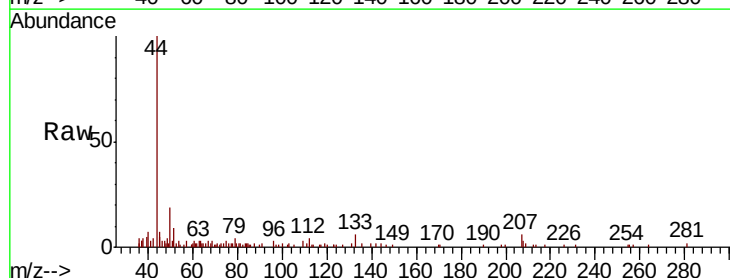
Acq: 31 Aug 2020 15:30

Tgt Ion: 50 Resp: 2092

Ion Ratio Lower Upper

50 100

52 36.6 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

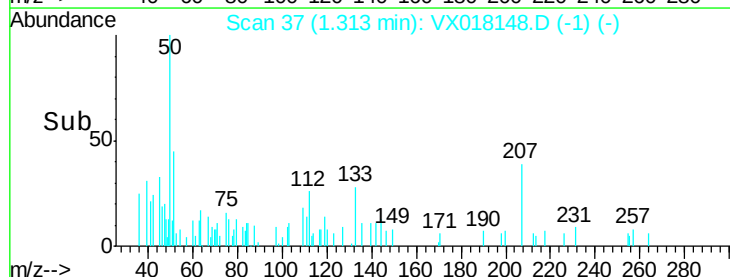
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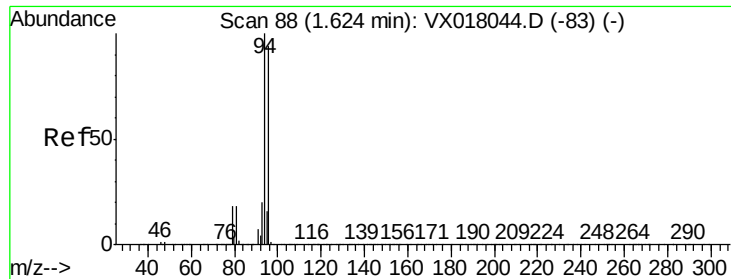
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.256 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018148.D

Acq: 31 Aug 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

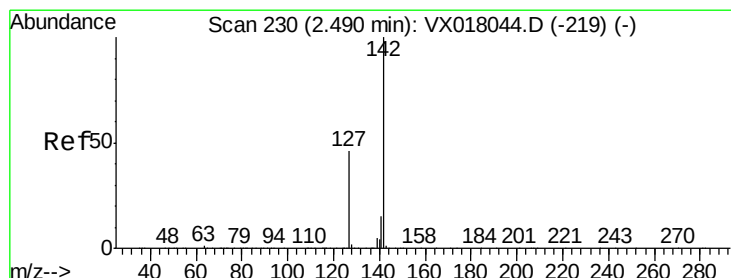
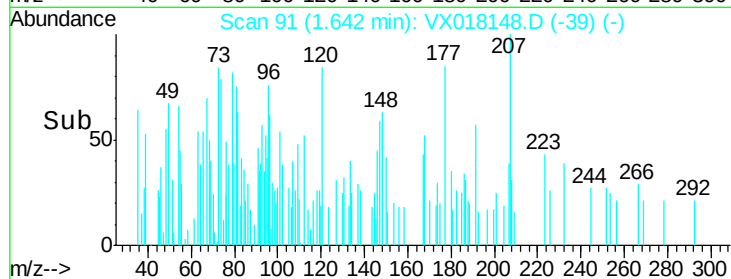
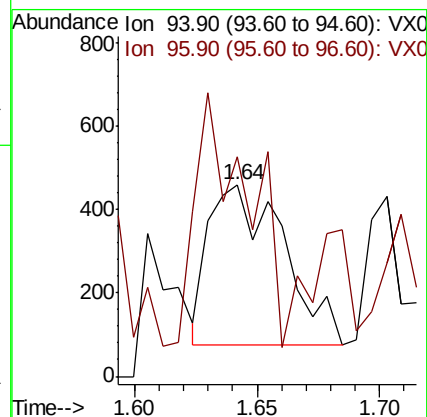
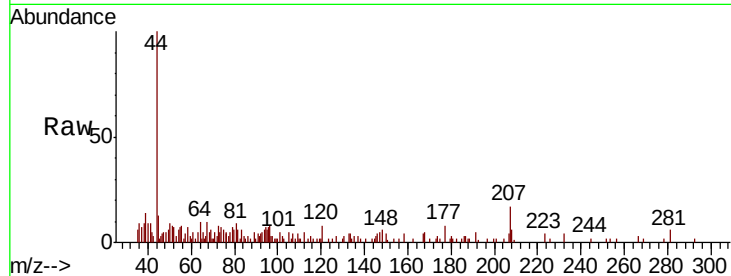
WEST-DITCH-IN-20200827

Tot Ion: 94 Resp: 815

Ion Ratio Lower Upper

94 100

96 46.2 74.8 112.2#



#10

Methyl Iodide

Concen: 5.358 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018148.D

Acq: 31 Aug 2020 15:30

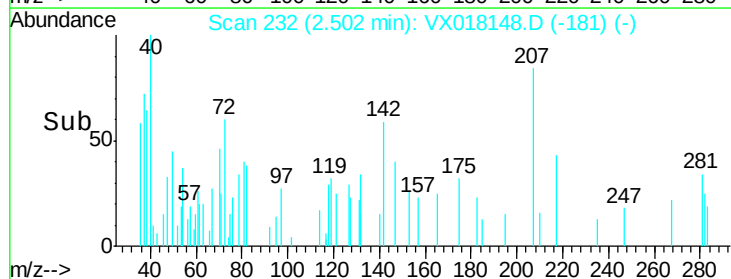
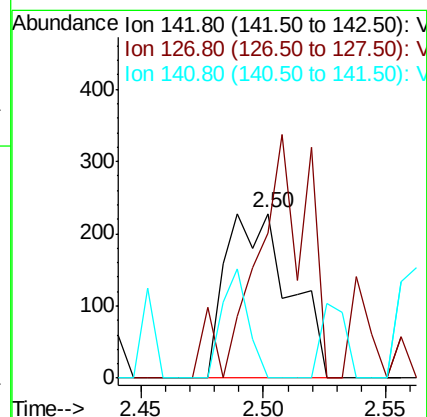
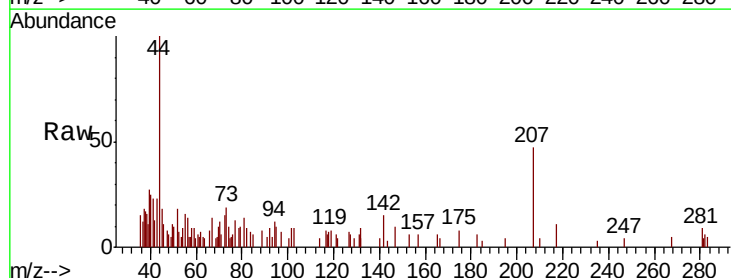
Tgt Ion: 142 Resp: 417

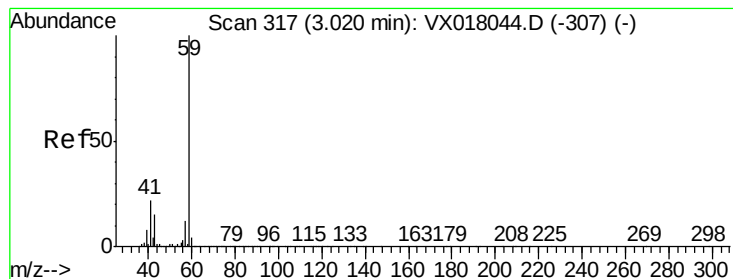
Ion Ratio Lower Upper

142 100

127 116.8 37.0 55.6#

141 27.1 11.5 17.3#



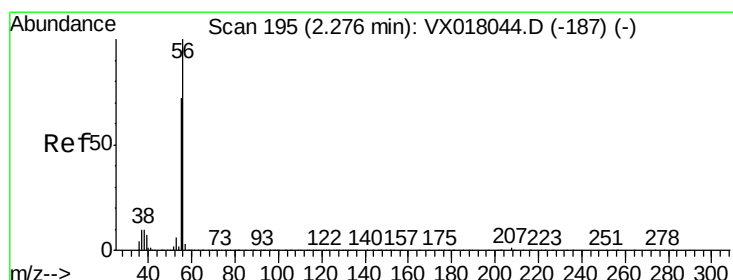
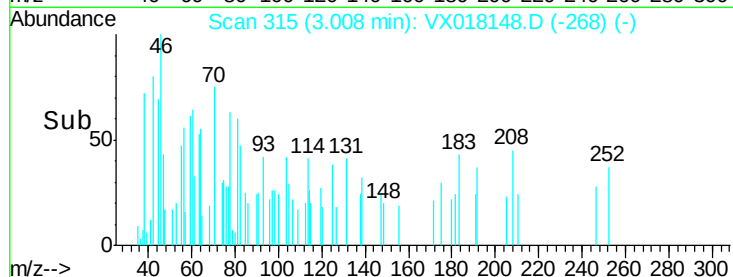
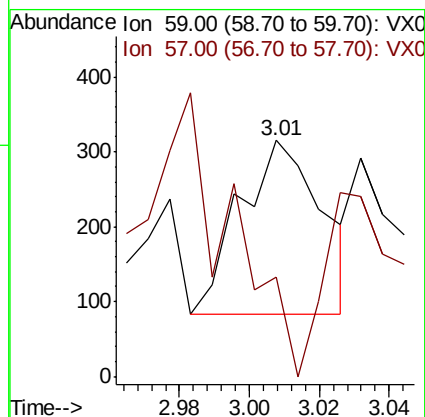
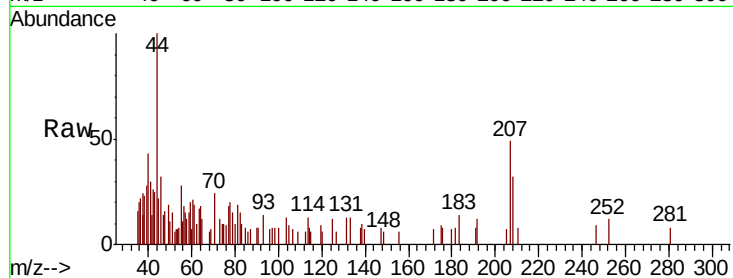


#11

Tert butyl alcohol
Concen: 0.272 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018148.D
Acq: 31 Aug 2020 15:30

Instrument :
MSVOA_X
ClientSampleId :
WEST-DITCH-IN-20200827

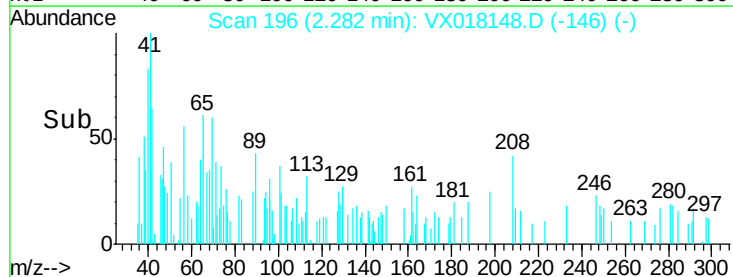
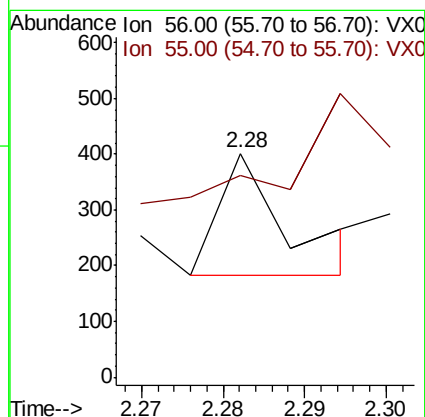
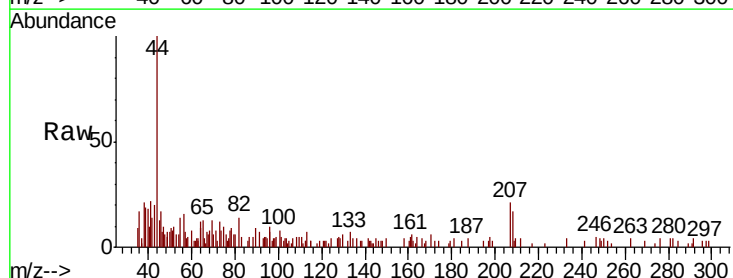
Tot Ion: 59 Resp: 379
Ion Ratio Lower Upper
59 100
57 99.5 8.9 13.3#

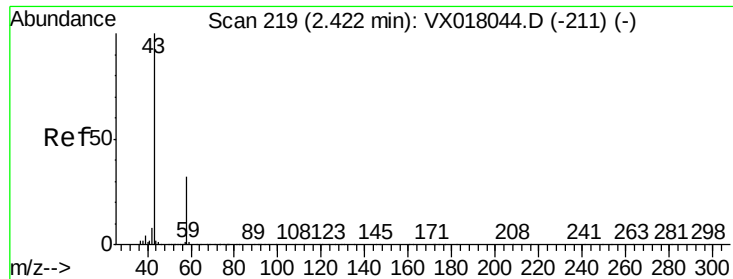


#13

Acrolein
Concen: 0.219 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX018148.D
Acq: 31 Aug 2020 15:30

Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 249.6 57.0 85.6#

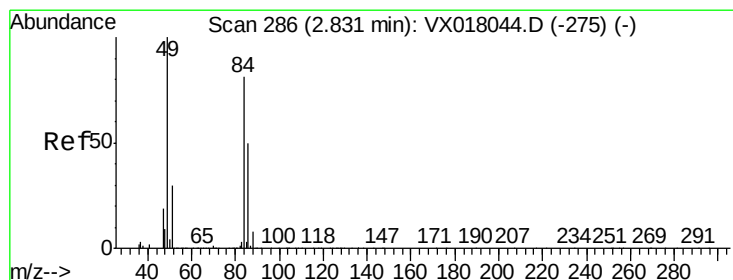
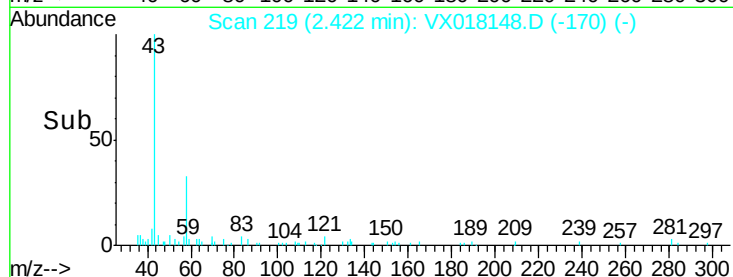
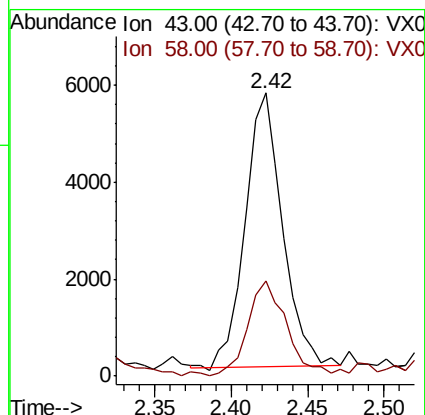
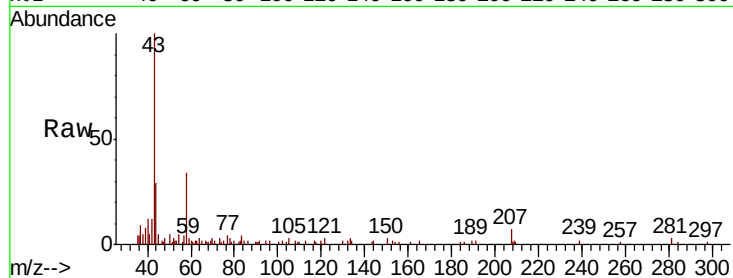




#16
Acetone
Concen: 3.420 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018148.D
Acq: 31 Aug 2020 15:30

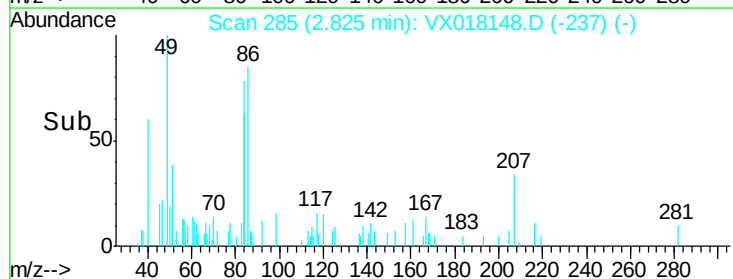
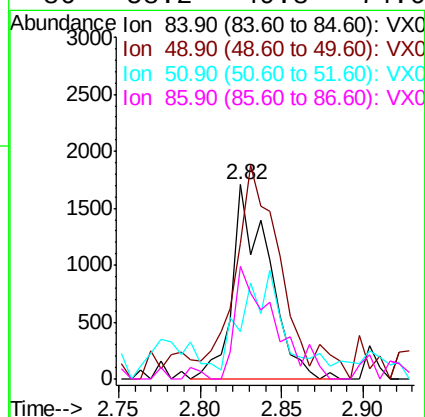
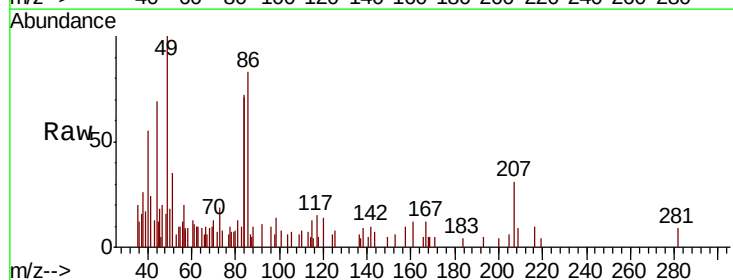
Instrument :
MSVOA_X
ClientSampleId :
WEST-DITCH-IN-20200827

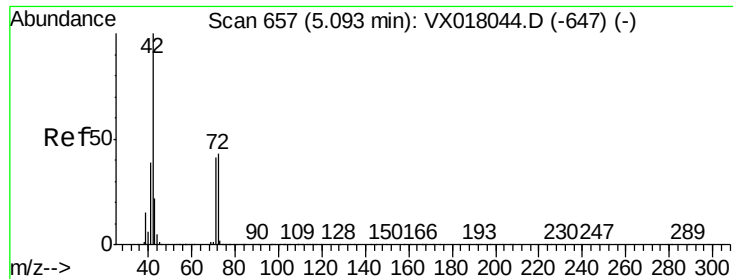
Tot Ion: 43 Resp: 9566
Ion Ratio Lower Upper
43 100
58 33.6 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX018148.D
Acq: 31 Aug 2020 15:30

Tgt Ion: 84 Resp: 2657
Ion Ratio Lower Upper
84 100
49 60.7 98.6 148.0#
51 15.0 29.6 44.4#
86 58.2 49.8 74.6





#29

Tetrahydrofuran

Concen: 0.219 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX018148.D

Acq: 31 Aug 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCH-IN-20200827

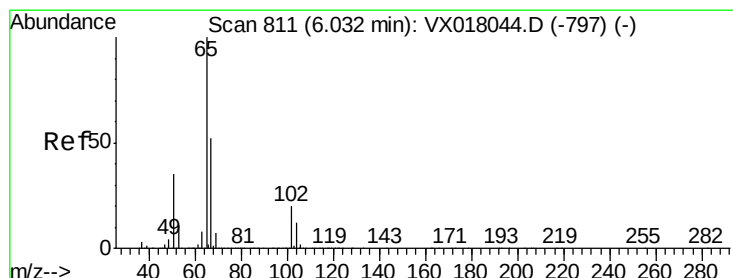
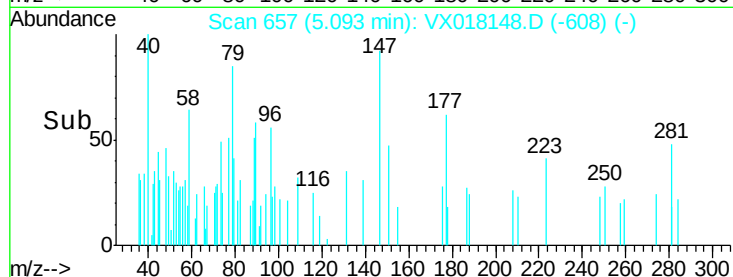
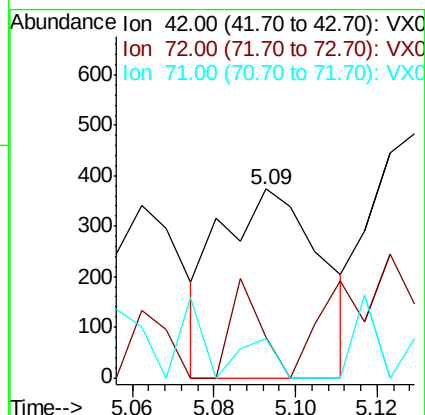
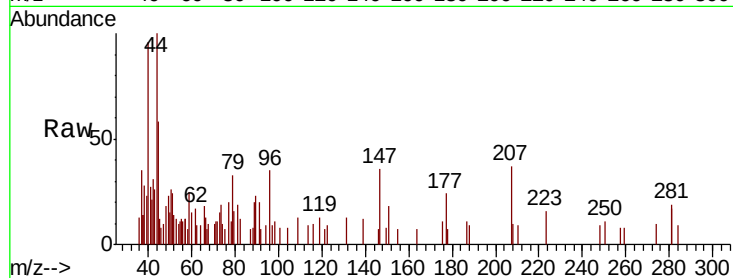
Tot Ion: 42 Resp: 641

Ion Ratio Lower Upper

42 100

72 15.8 34.2 51.4#

71 0.0 32.1 48.1#



#33

1,2-Dichloroethane-d4

Concen: 49.485 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018148.D

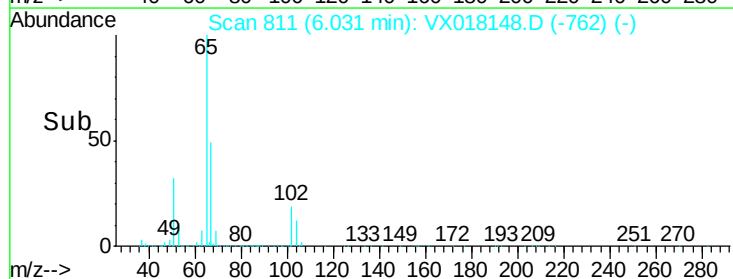
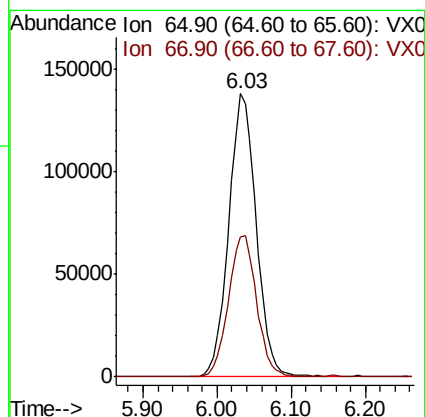
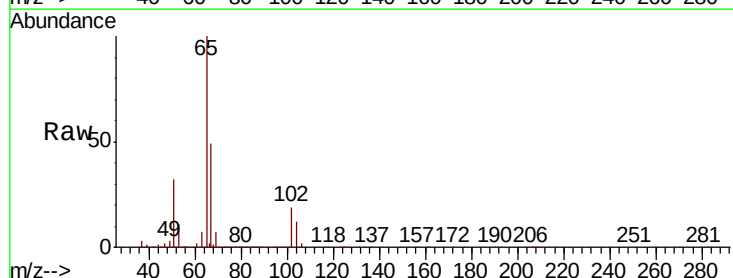
Acq: 31 Aug 2020 15:30

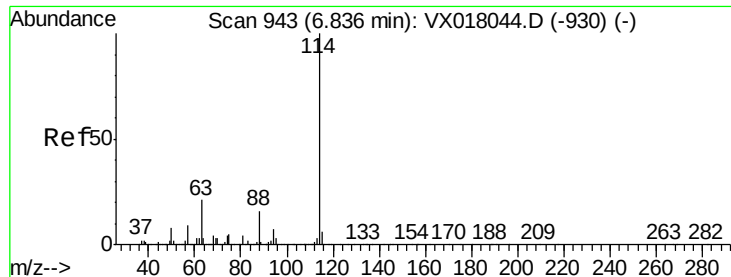
Tgt Ion: 65 Resp: 355175

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.8

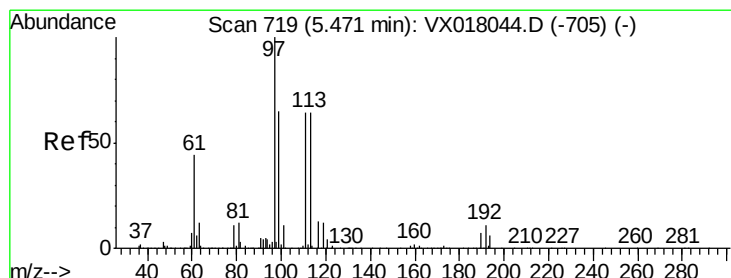
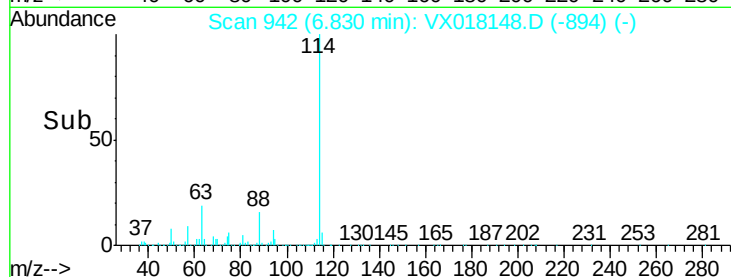
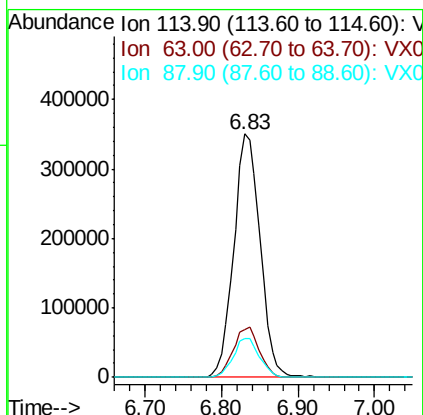
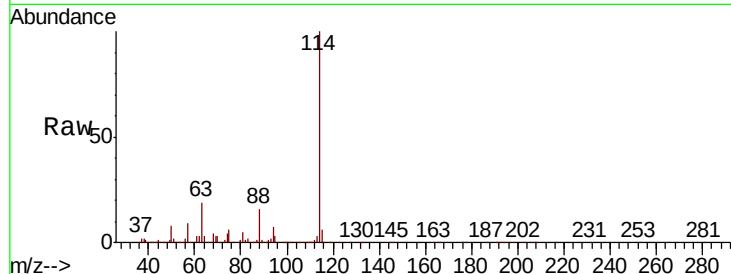




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018148.D
 Acq: 31 Aug 2020 15:30

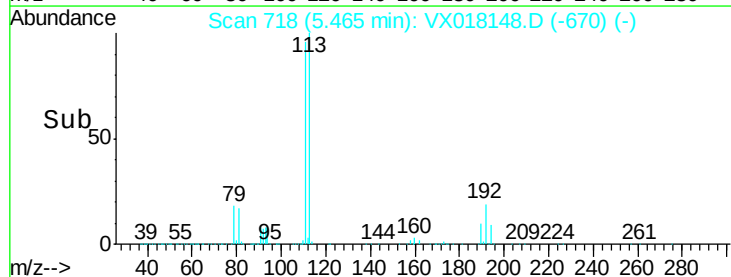
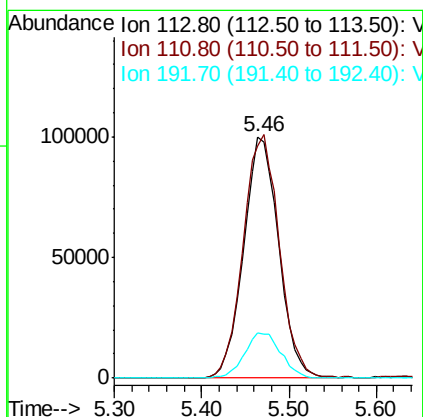
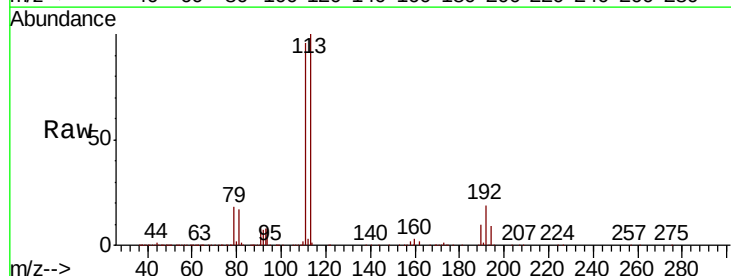
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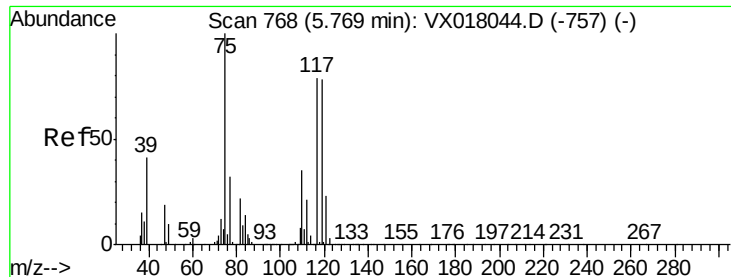
Tot Ion:114	Resp:	836254
Ion Ratio	Lower	Upper
114 100		
63 19.4	0.0	42.6
88 15.7	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 49.013 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018148.D
 Acq: 31 Aug 2020 15:30

Tgt Ion:113	Resp:	279146
Ion Ratio	Lower	Upper
113 100		
111 103.6	81.6	122.4
192 19.6	15.8	23.8

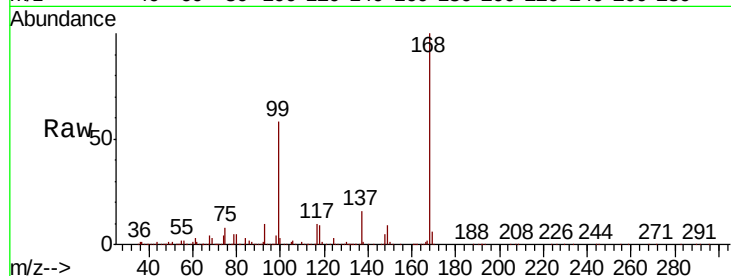




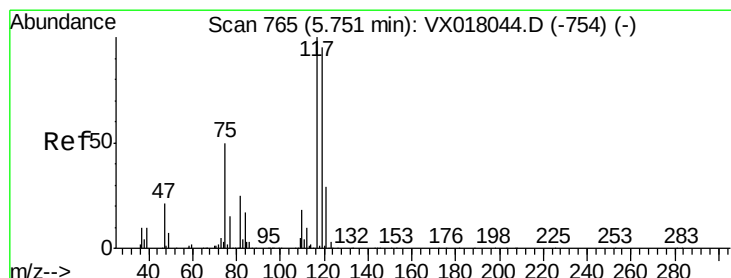
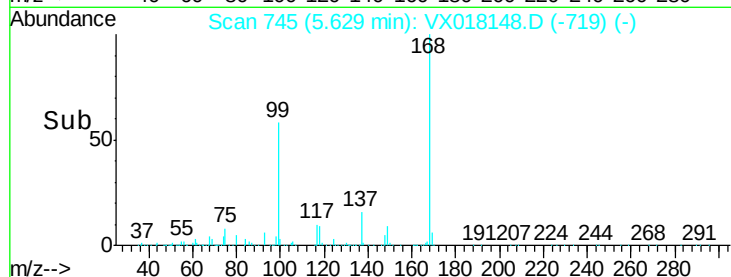
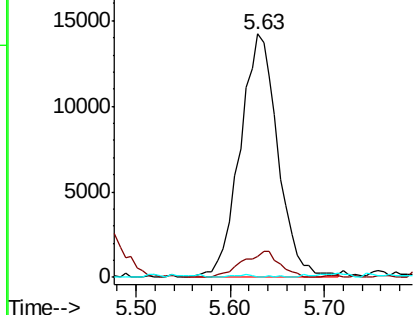
#36
 1,1-Dichloropropene
 Concen: 5.177 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018148.D
 Acq: 31 Aug 2020 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 WEST-DITCH-IN-20200827

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.0	54.0#
77	0.1	24.4	36.6#

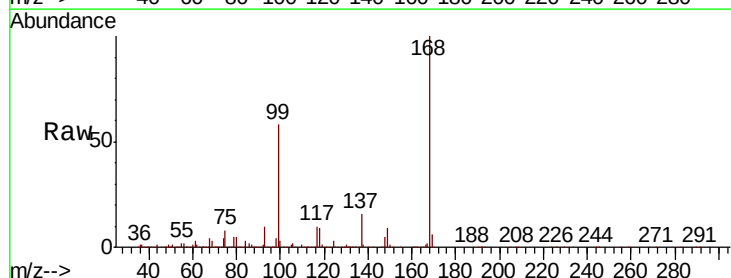


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

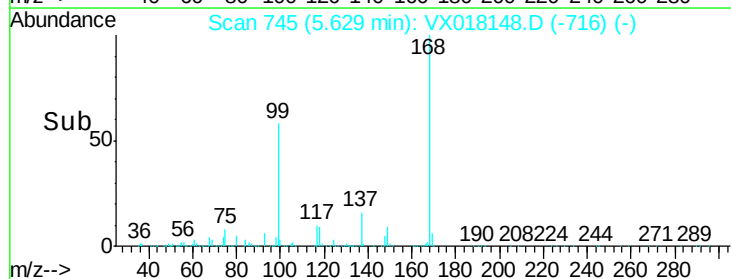
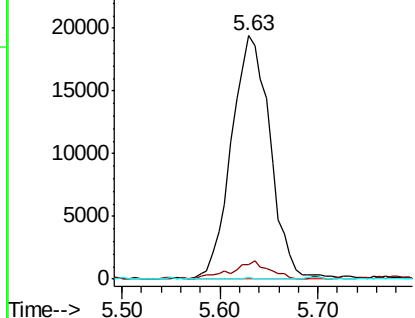


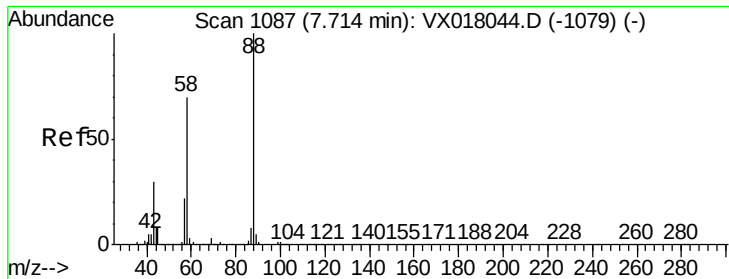
#38
 Carbon Tetrachloride
 Concen: 6.132 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018148.D
 Acq: 31 Aug 2020 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	75.8	113.6#
121	0.7	23.4	35.0#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.418 ug/l

RT: 7.70 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VX018148.D

Acq: 31 Aug 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCH-IN-20200827

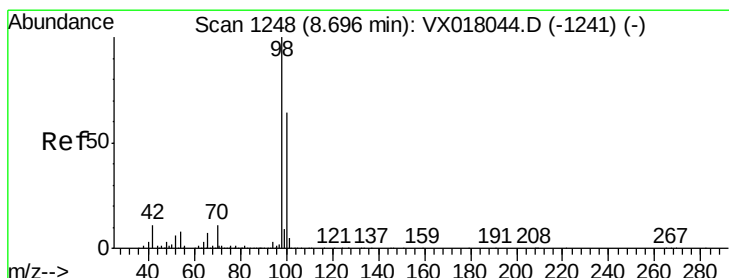
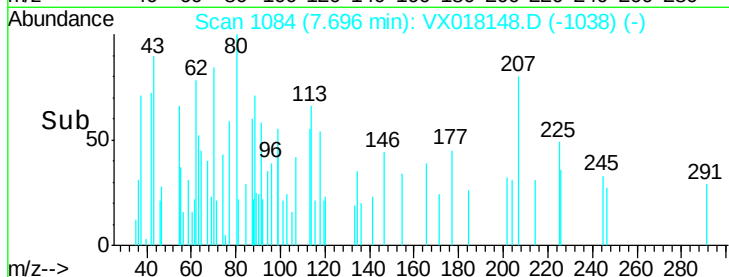
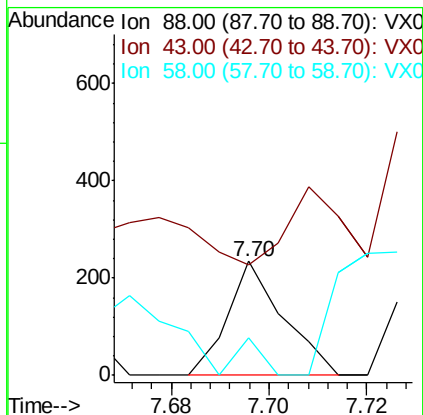
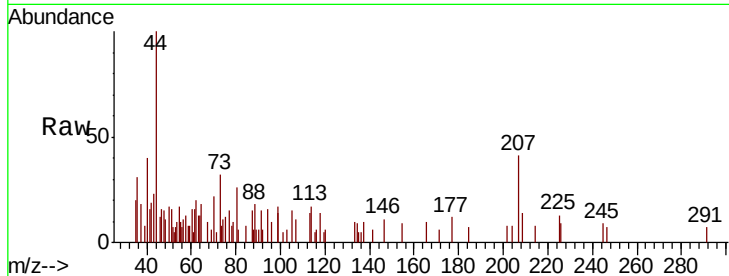
Tot Ion: 88 Resp: 185

Ion Ratio Lower Upper

88 100

43 161.6 27.4 41.0#

58 0.0 56.4 84.6#



#50

Toluene-d8

Concen: 48.152 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018148.D

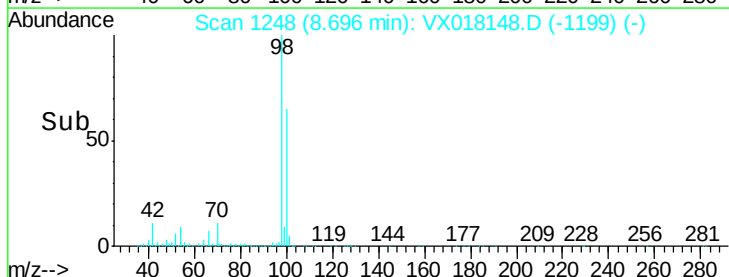
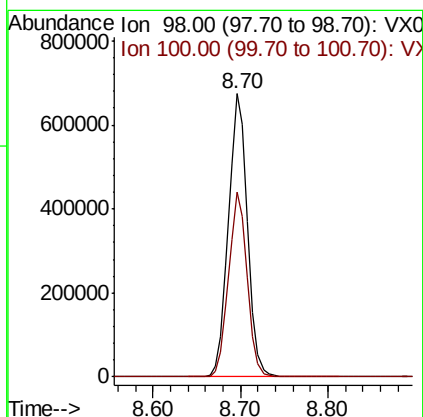
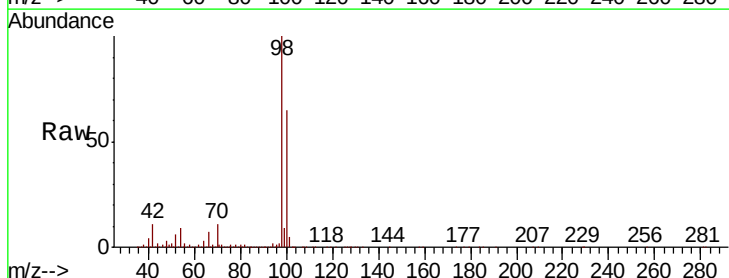
Acq: 31 Aug 2020 15:30

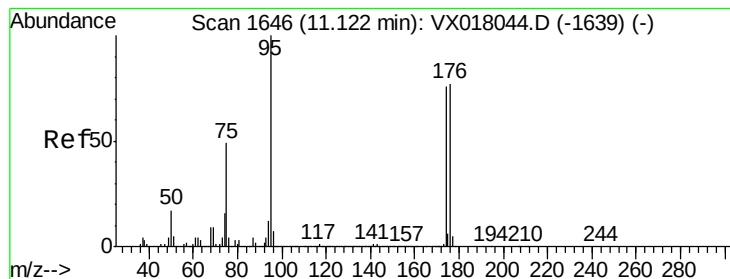
Tgt Ion: 98 Resp: 1021417

Ion Ratio Lower Upper

98 100

100 63.9 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 44.924 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018148.D

Acq: 31 Aug 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCH-IN-20200827

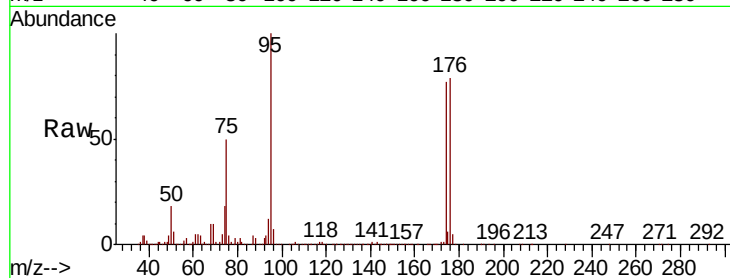
Tot Ion: 95 Resp: 374925

Ion Ratio Lower Upper

95 100

174 79.4 0.0 160.2

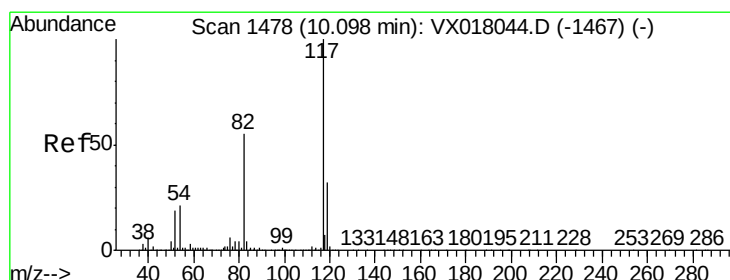
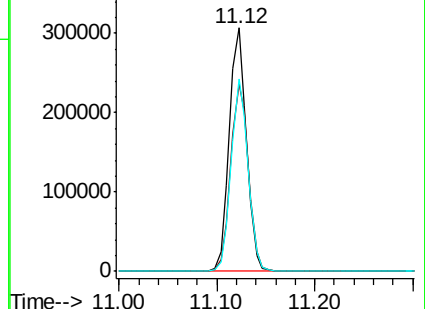
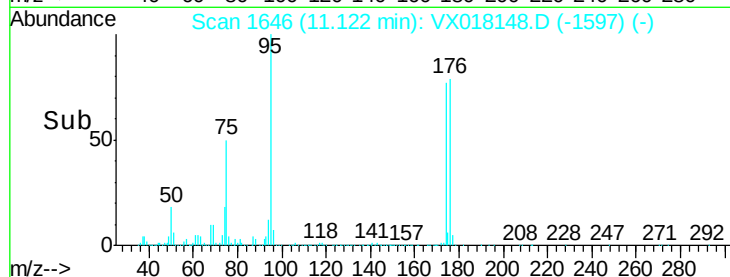
176 77.7 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018148.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018148.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018148.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018148.D

Acq: 31 Aug 2020 15:30

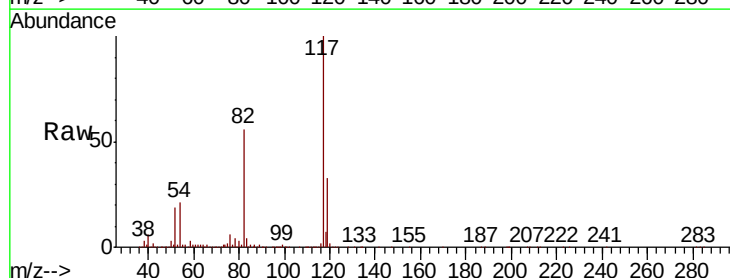
Tgt Ion: 117 Resp: 787973

Ion Ratio Lower Upper

117 100

82 56.0 44.2 66.2

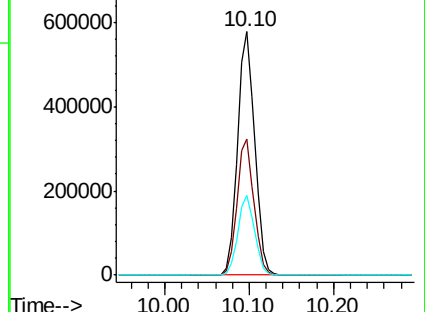
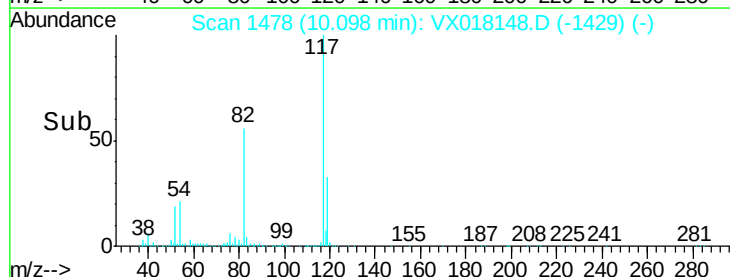
119 33.0 25.7 38.5

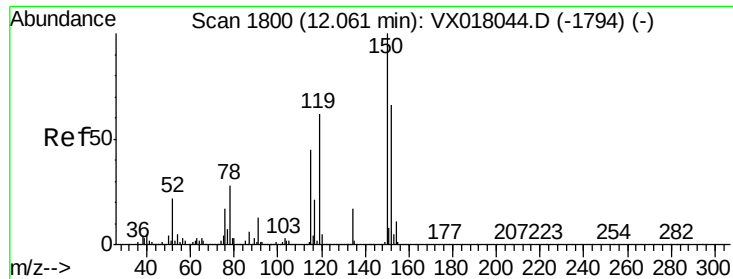


Abundance Ion 116.90 (116.60 to 117.60): VX018148.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018148.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018148.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018148.D

Acq: 31 Aug 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCH-IN-20200827

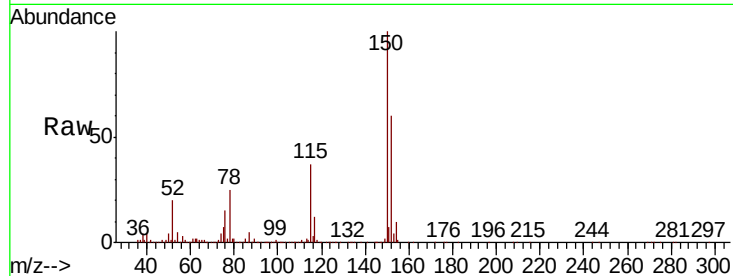
Tot Ion:152 Resp: 371640

Ion Ratio Lower Upper

152 100

115 59.5 41.5 124.5

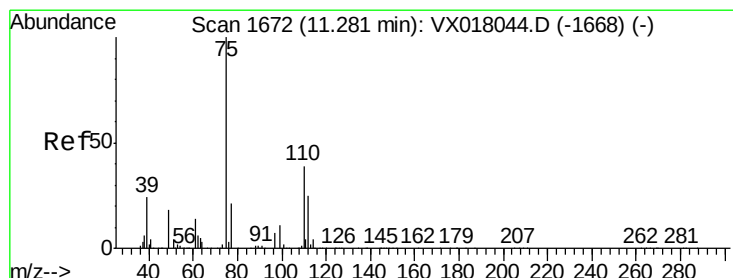
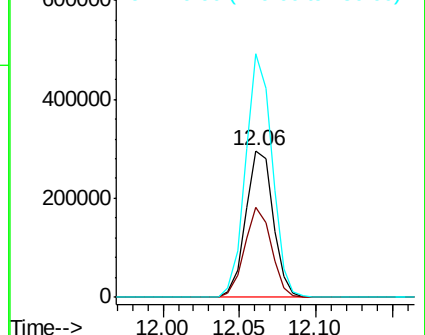
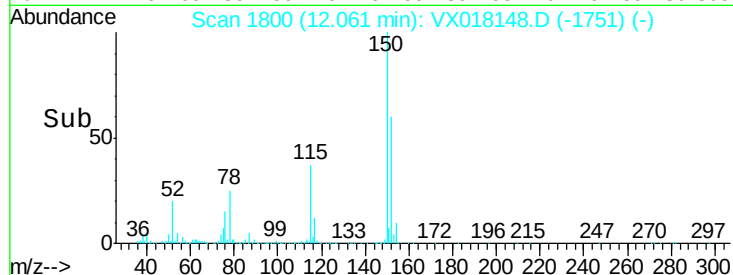
150 159.8 0.0 343.8



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: 22.701 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018148.D

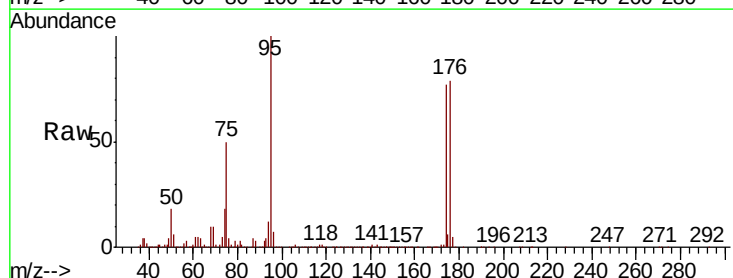
Acq: 31 Aug 2020 15:30

Tgt Ion: 75 Resp: 187676

Ion Ratio Lower Upper

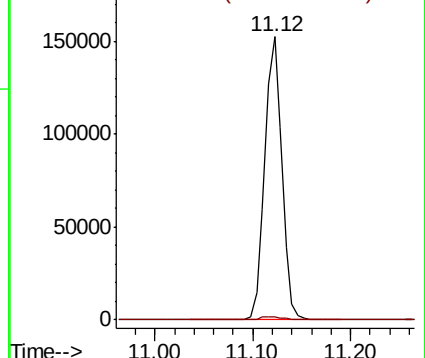
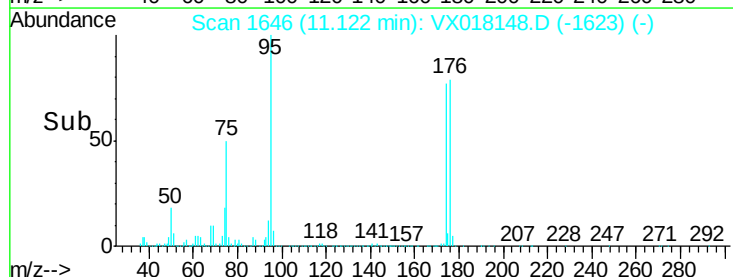
75 100

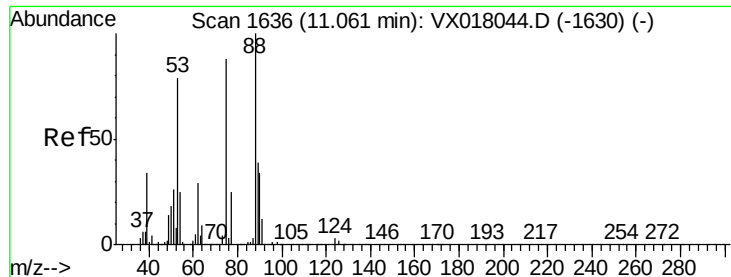
77 1.6 20.8 62.2#



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: 61.312 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018148.D

Acq: 31 Aug 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCH-IN-20200827

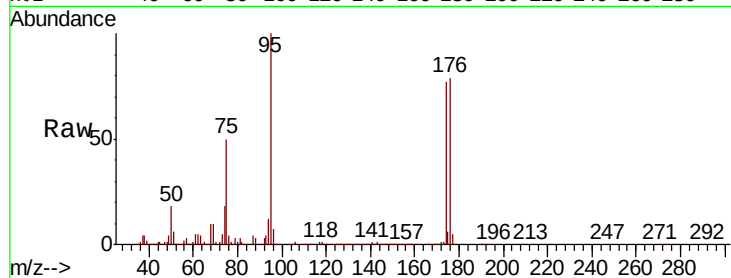
Tot Ion: 75 Resp: 187676

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.2 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

