

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX010319\
 Data File : VX006889.D
 Acq On : 03 Jan 2019 12:45
 Operator : JC/MD
 Sample : K1032-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-TB-2018-5

Quant Time: Jan 04 00:19:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	694075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1043902	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	955684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	472304	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	347400	46.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.88%	
35) Dibromofluoromethane	5.50	113	317835	48.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.30%	
50) Toluene-d8	8.71	98	1235729	49.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.13	95	440981	48.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.76%	

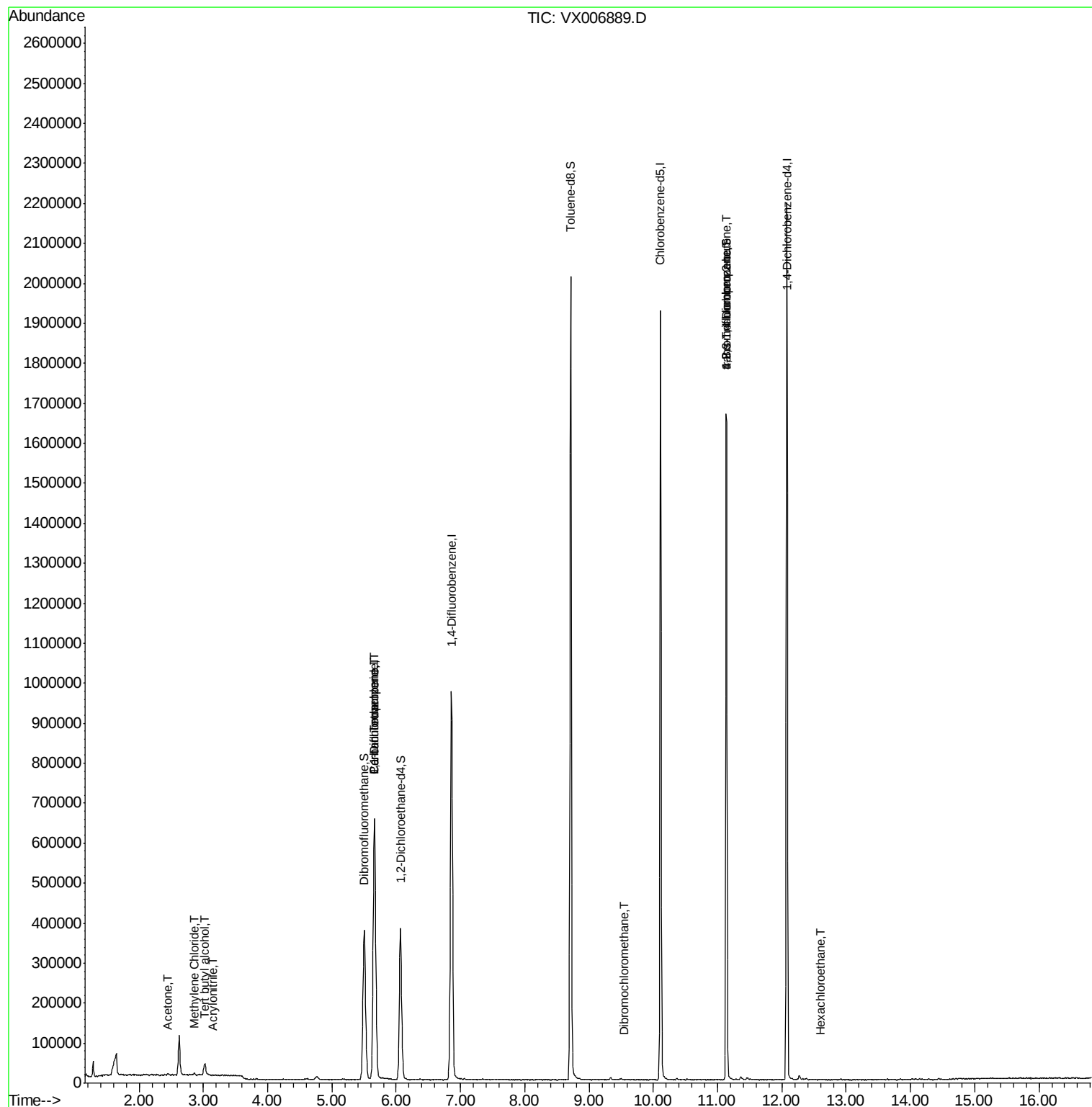
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2696	Below Cal	#	71
11) Tert butyl alcohol	3.03	59	18200	10.902	ug/l #	77
15) Acrylonitrile	3.15	53	886	0.239	ug/l #	49
16) Acetone	2.45	43	3710	1.080	ug/l	96
20) Methylene Chloride	2.85	84	2677	0.377	ug/l	90
28) Bromochloromethane	5.01	49	238	Below Cal	#	12
36) 1,1-Dichloropropene	5.66	75	44022	5.092	ug/l #	49
38) Carbon Tetrachloride	5.67	117	62019	7.381	ug/l #	13
49) 1,4-Dioxane	7.75	88	28	Below Cal	#	1
60) Dibromochloromethane	9.54	129	23	2.327	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	204561	23.305	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	204561	69.154	ug/l #	10
90) Hexachloroethane	12.60	117	49	3.303	ug/l	55

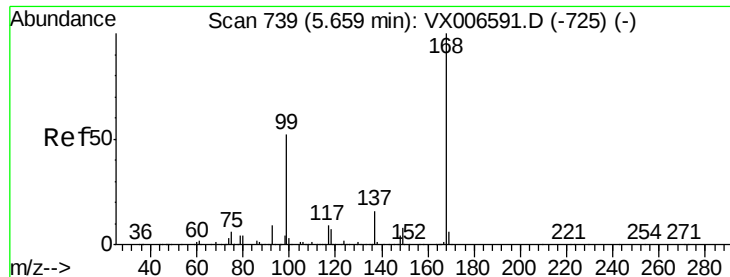
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006889.D

Acq: 03 Jan 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

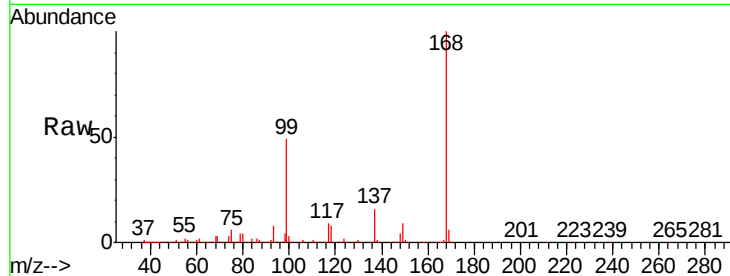
S32-TB-2018-5

Tgt Ion:168 Resp: 694075

Ion Ratio Lower Upper

168 100

99 48.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

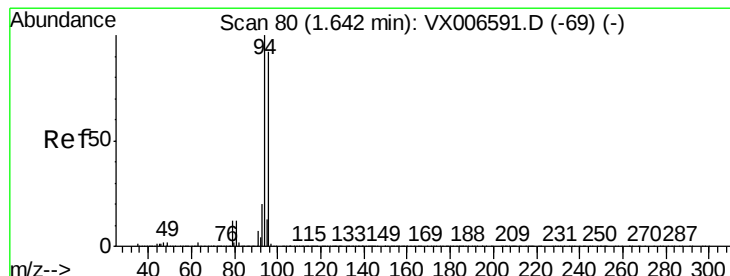
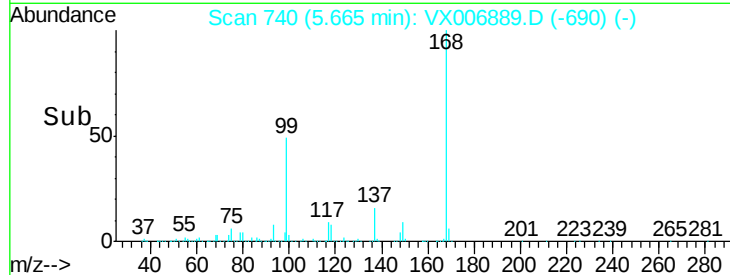
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006889.D

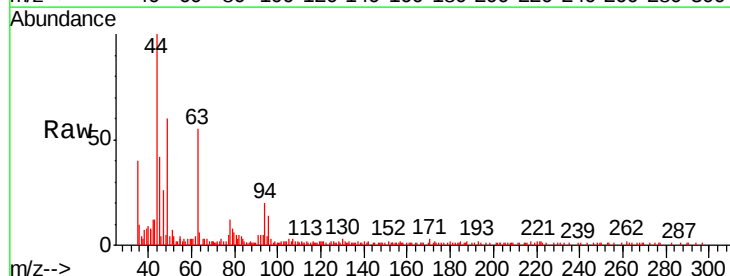
Acq: 03 Jan 2019 12:45

Tgt Ion: 94 Resp: 2696

Ion Ratio Lower Upper

94 100

96 64.2 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2000

1500

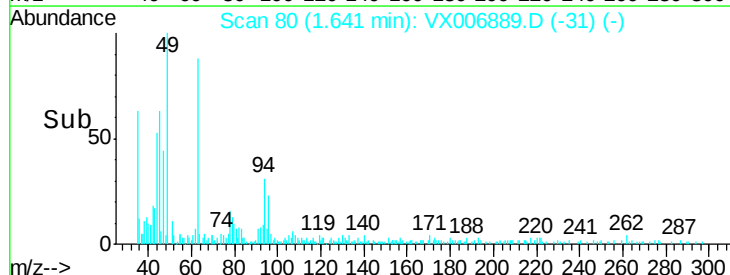
1000

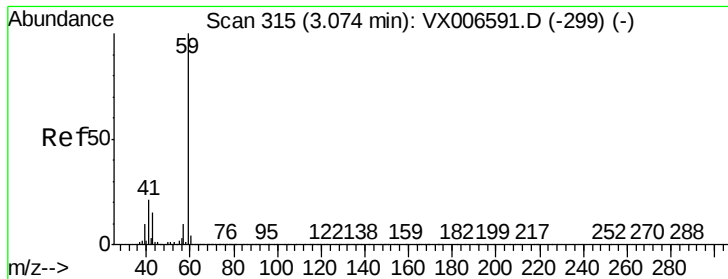
500

0

1.60 1.65 1.70

Time-->



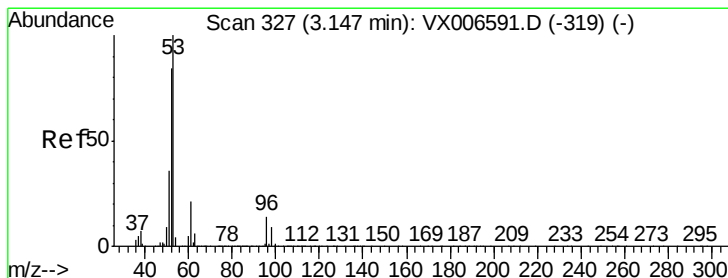
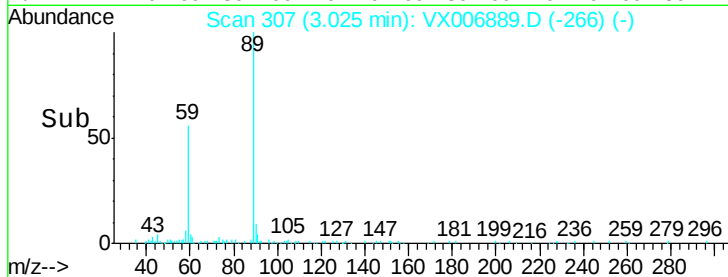
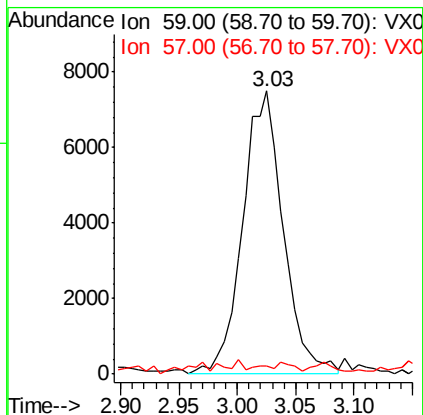
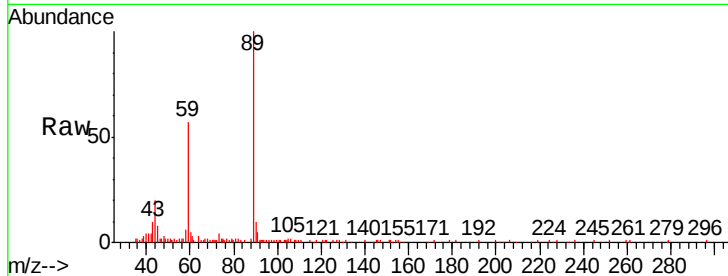


#11

Tert butyl alcohol
Concen: 10.902 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006889.D
Acq: 03 Jan 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
S32-TB-2018-5

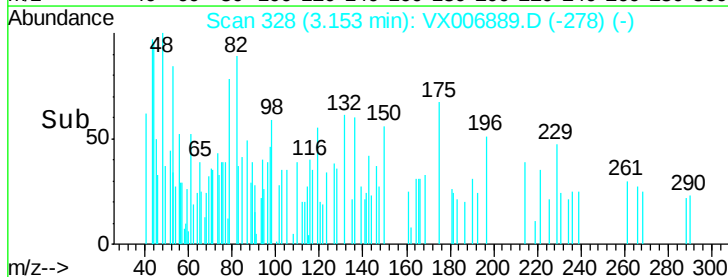
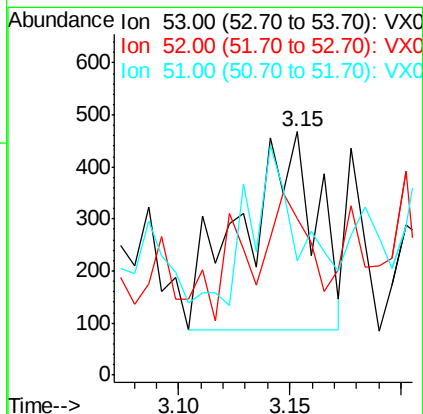
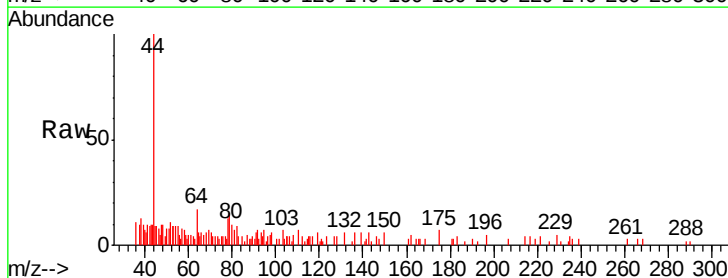
Tgt Ion: 59 Resp: 18200
Ion Ratio Lower Upper
59 100
57 2.1 8.5 12.7#

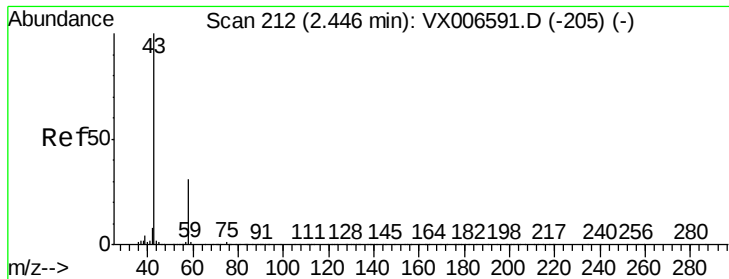


#15

Acrylonitrile
Concen: 0.239 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX006889.D
Acq: 03 Jan 2019 12:45

Tgt Ion: 53 Resp: 886
Ion Ratio Lower Upper
53 100
52 21.7 66.0 99.0#
51 43.3 28.6 42.8#





#16

Acetone

Concen: 1.080 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006889.D

Acq: 03 Jan 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

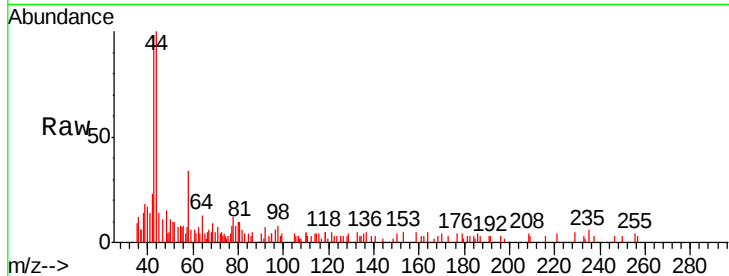
S32-TB-2018-5

Tgt Ion: 43 Resp: 3710

Ion Ratio Lower Upper

43 100

58 33.6 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2500

2000

1500

1000

500

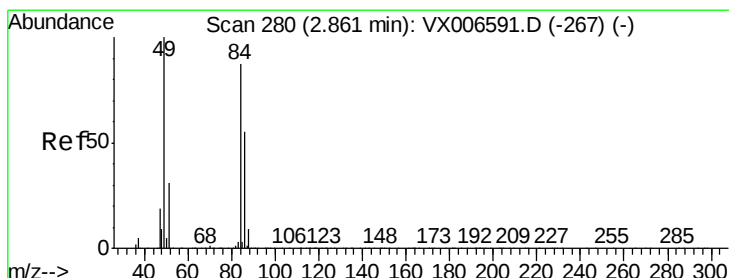
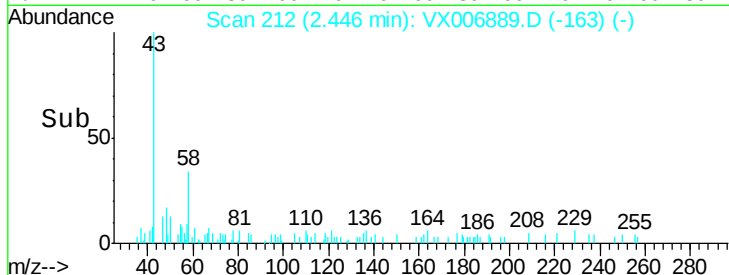
0

Time-->

2.40

2.45

2.50



#20

Methylene Chloride

Concen: 0.377 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX006889.D

Acq: 03 Jan 2019 12:45

Tgt Ion: 84 Resp: 2677

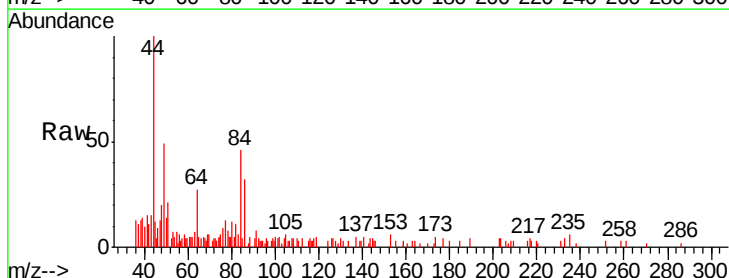
Ion Ratio Lower Upper

84 100

49 95.2 91.8 137.6

51 36.1 28.5 42.7

86 61.5 50.2 75.2



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

2000

1500

1000

500

0

Time-->

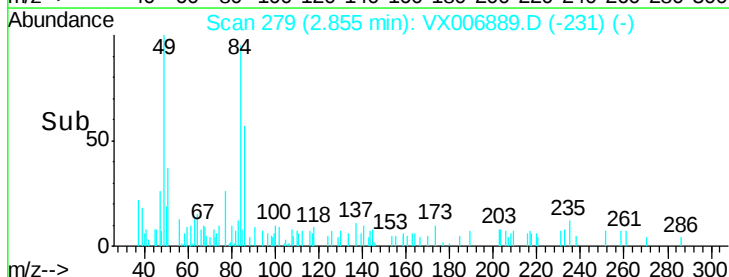
2.75

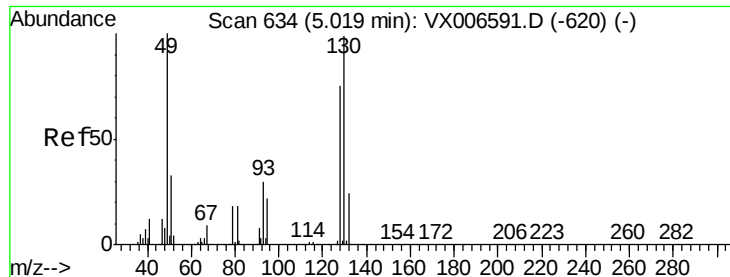
2.80

2.85

2.90

2.95





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

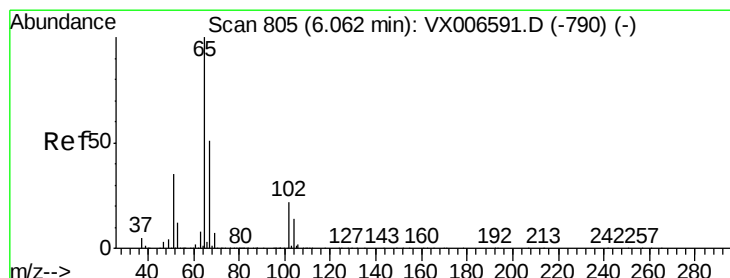
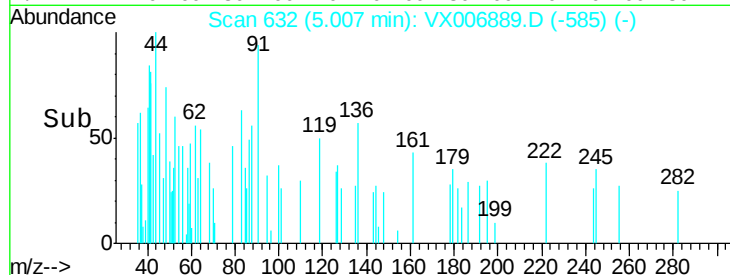
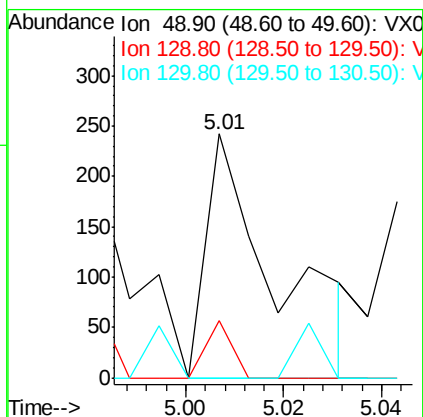
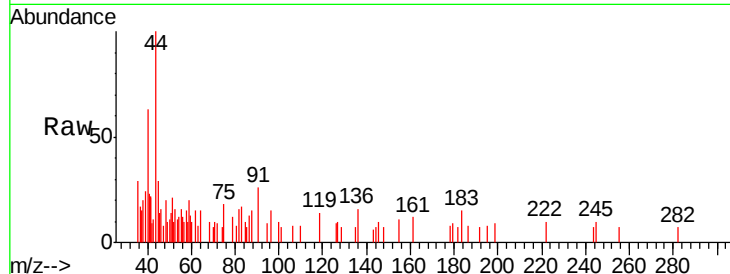
Delta R.T. -0.01 min

Lab File: VX006889.D

Acq: 03 Jan 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
S32-TB-2018-5

Tgt Ion: 49 Resp: 238
Ion Ratio Lower Upper
49 100
129 8.8 0.0 5.4#
130 8.4 77.7 116.5#



#33

1,2-Dichloroethane-d4

Concen: 46.441 ug/l

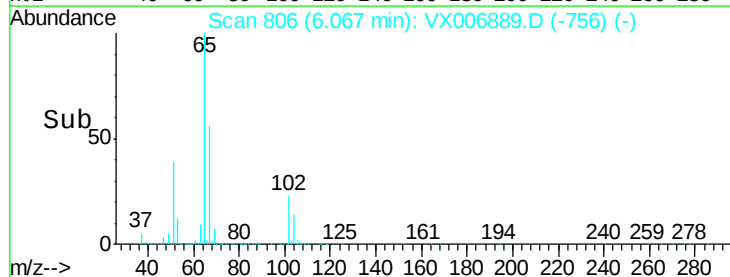
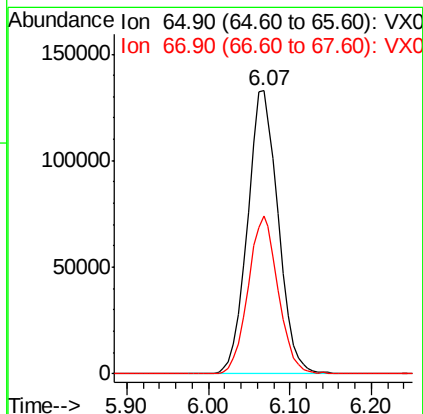
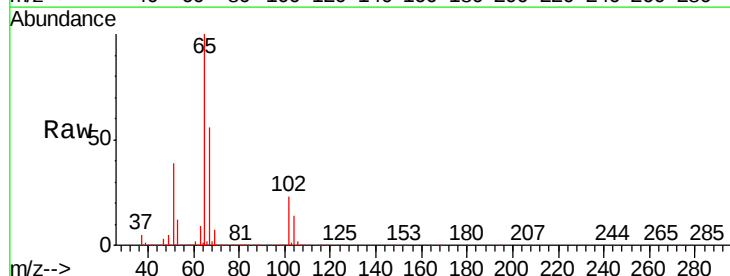
RT: 6.07 min Scan# 806

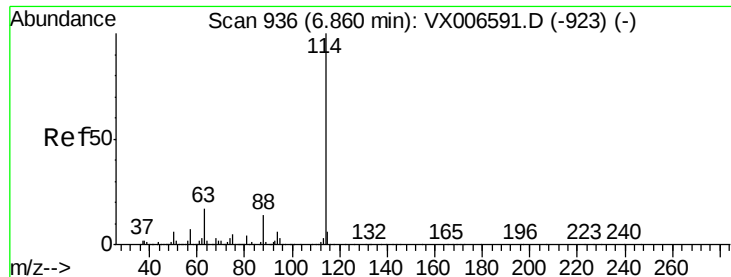
Delta R.T. 0.01 min

Lab File: VX006889.D

Acq: 03 Jan 2019 12:45

Tgt Ion: 65 Resp: 347400
Ion Ratio Lower Upper
65 100
67 54.8 0.0 105.0

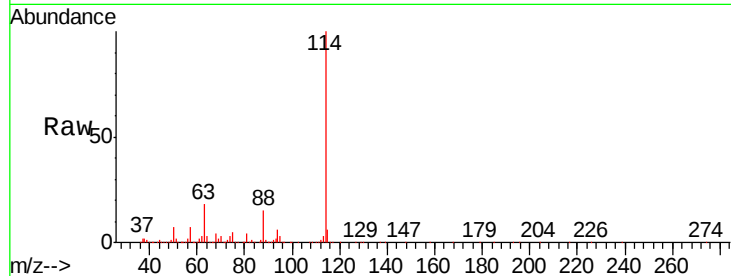




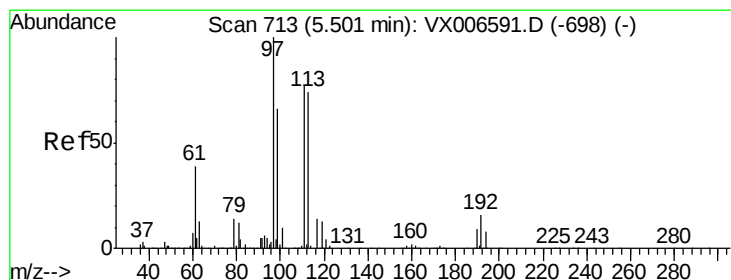
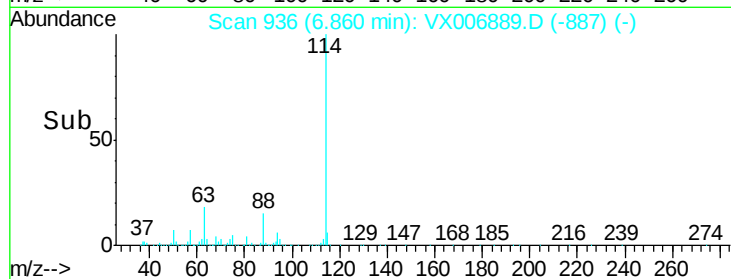
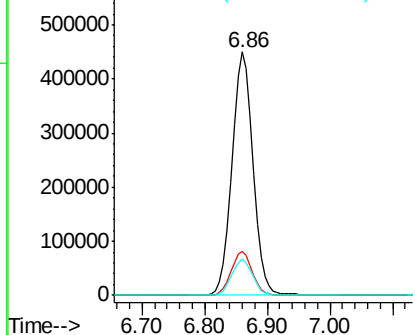
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006889.D
 Acq: 03 Jan 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-TB-2018-5

Tgt Ion:114 Resp: 1043902
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.8
 88 14.7 0.0 28.8

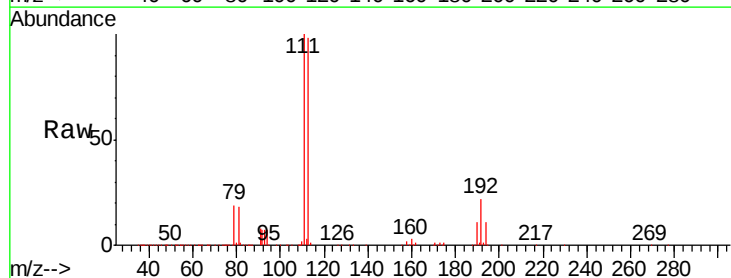


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

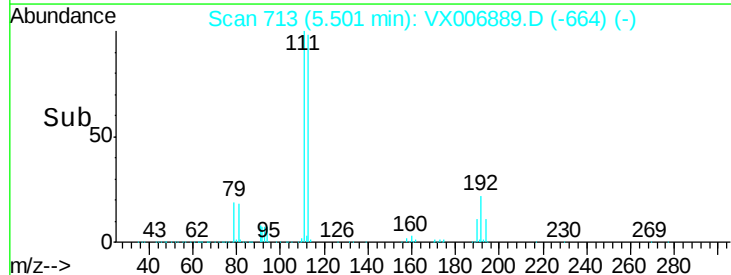
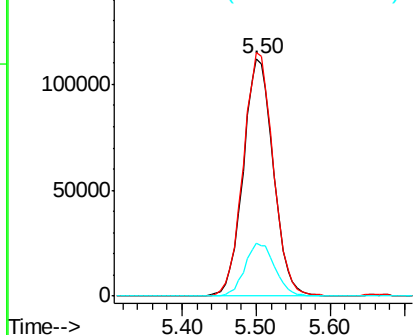


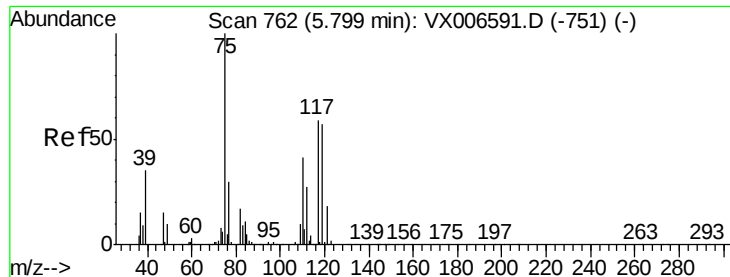
#35
 Dibromofluoromethane
 Concen: 48.146 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX006889.D
 Acq: 03 Jan 2019 12:45

Tgt Ion:113 Resp: 317835
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.6 122.4
 192 22.2 16.7 25.1



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

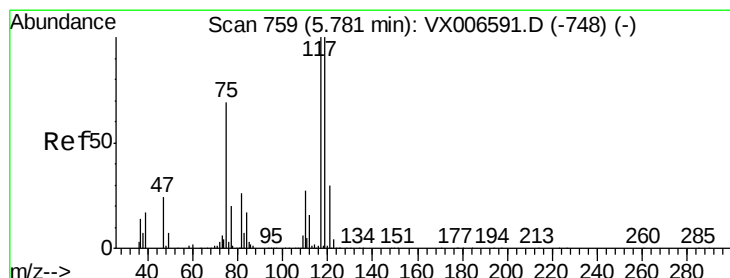
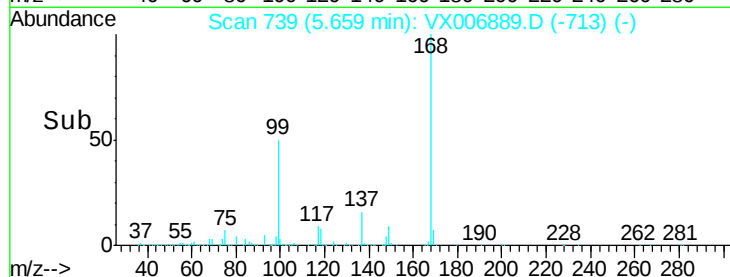
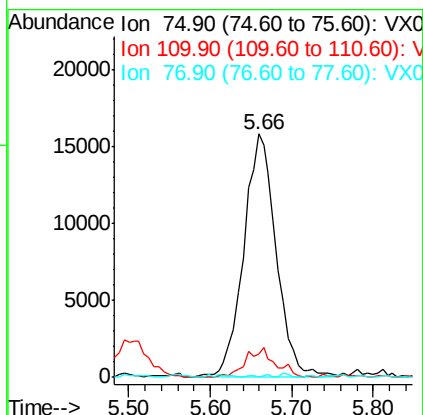
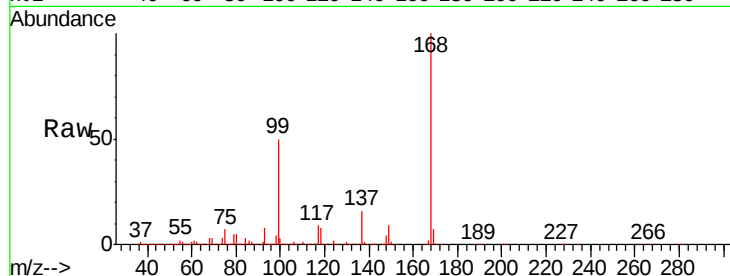




#36
 1,1-Dichloropropene
 Concen: 5.092 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006889.D
 Acq: 03 Jan 2019 12:45

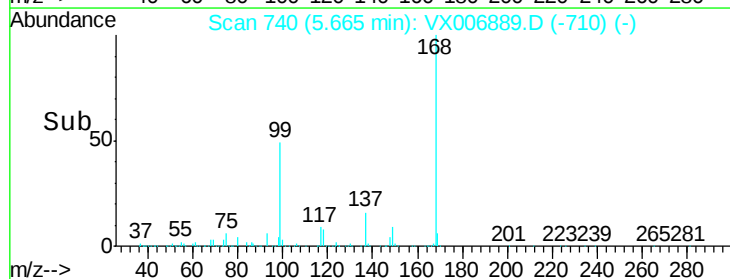
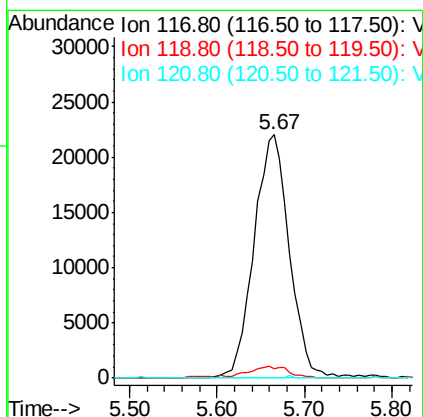
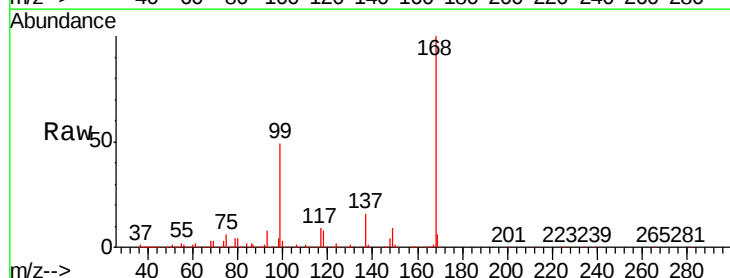
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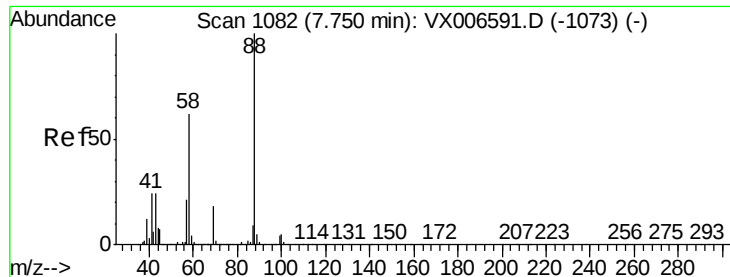
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	20.2	60.5#
77	0.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.381 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX006889.D
 Acq: 03 Jan 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	79.4	119.2#
121	0.0	24.0	36.0#

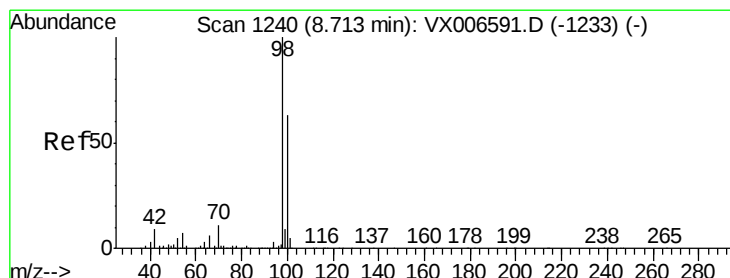
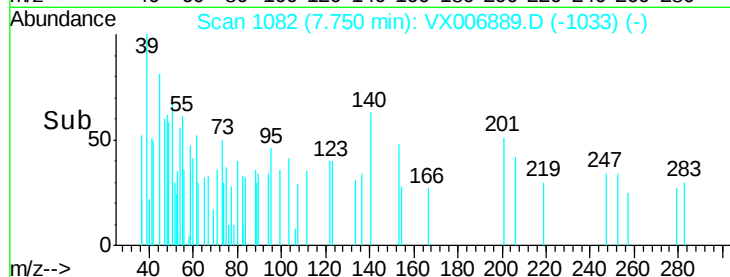
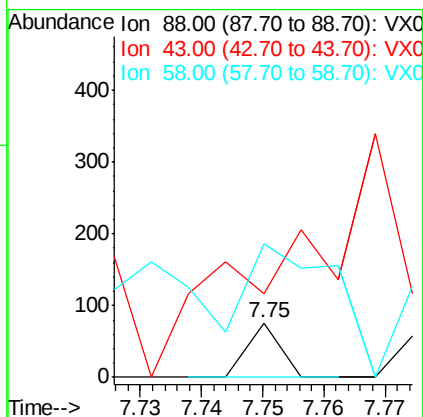
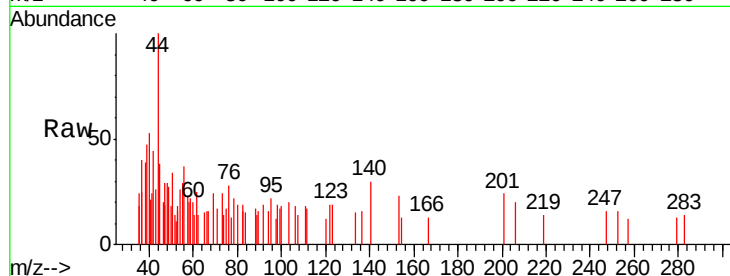




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006889.D
Acq: 03 Jan 2019 12:45

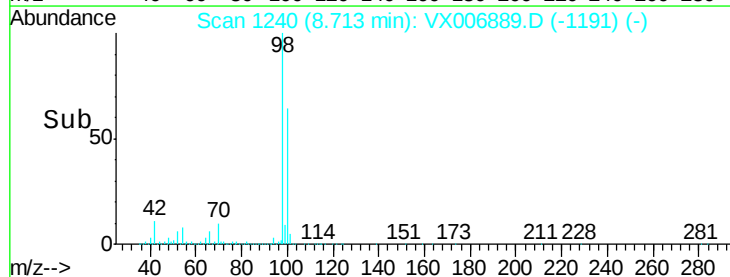
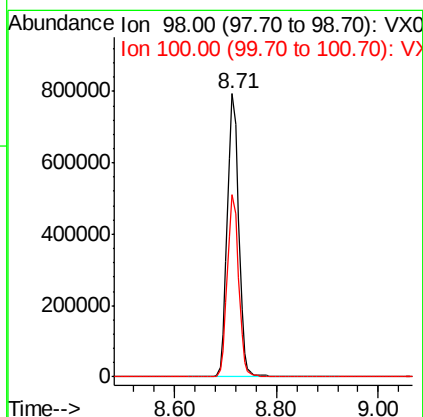
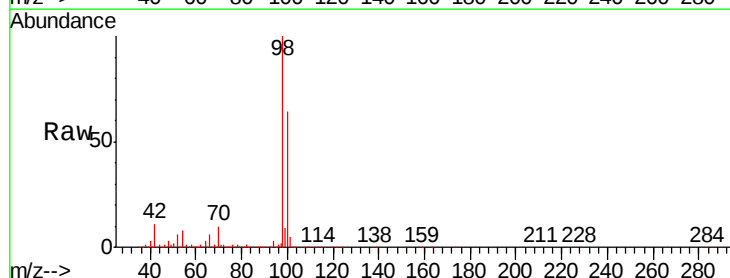
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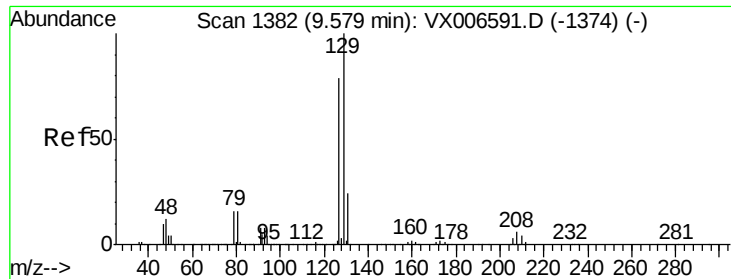
Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 646.4 51.0 76.4#



#50
Toluene-d8
Concen: 49.652 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006889.D
Acq: 03 Jan 2019 12:45

Tgt Ion: 98 Resp: 1235729
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0





#60

Dibromochloromethane

Concen: 2.327 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. -0.04 min

Lab File: VX006889.D

Acq: 03 Jan 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

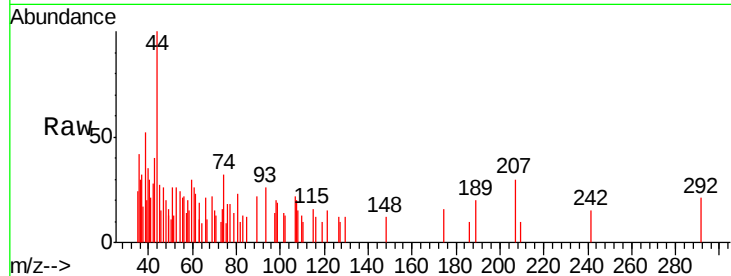
S32-TB-2018-5

Tgt Ion:129 Resp: 23

Ion Ratio Lower Upper

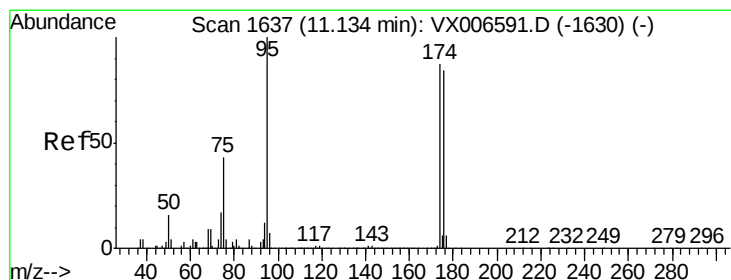
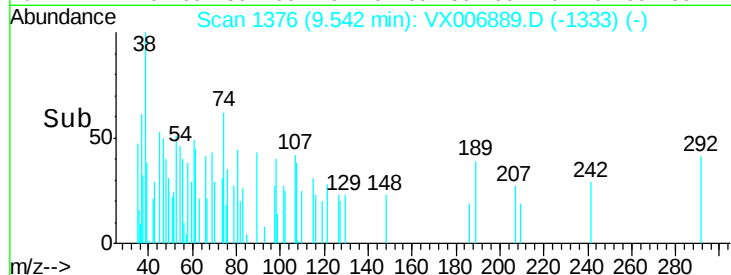
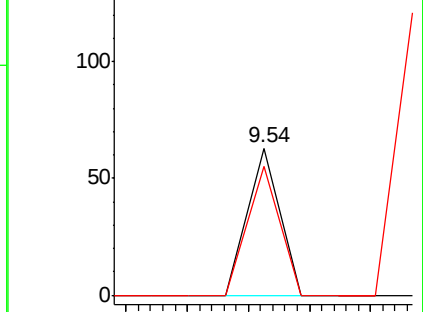
129 100

127 87.0 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 48.380 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006889.D

Acq: 03 Jan 2019 12:45

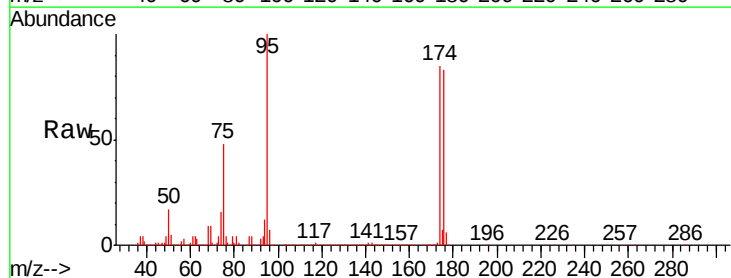
Tgt Ion: 95 Resp: 440981

Ion Ratio Lower Upper

95 100

174 91.5 0.0 182.2

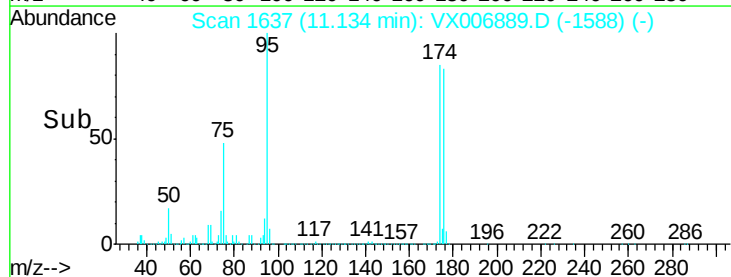
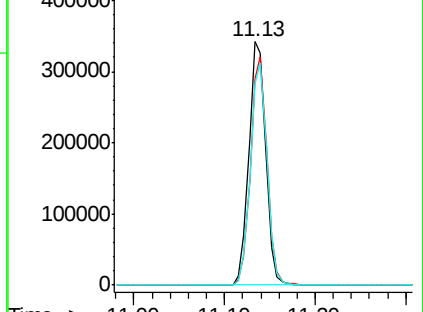
176 90.0 0.0 178.8

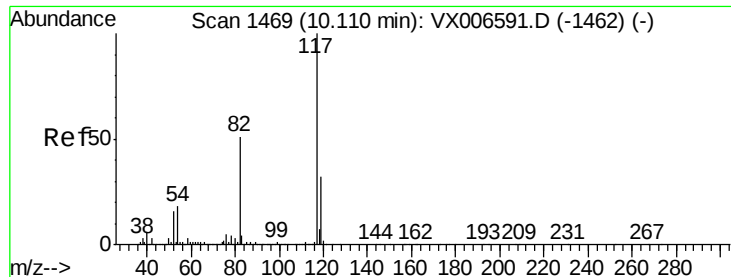


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX006889.D

Acq: 03 Jan 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2018-5

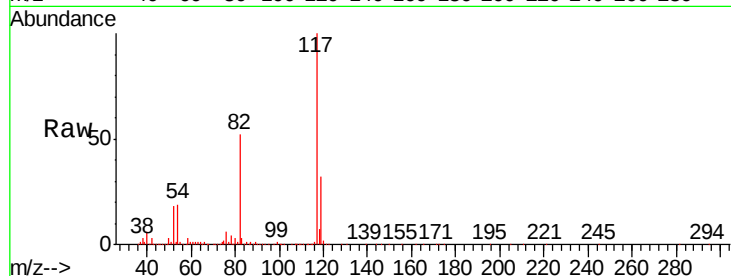
Tgt Ion:117 Resp: 955684

Ion Ratio Lower Upper

117 100

82 51.9 41.0 61.6

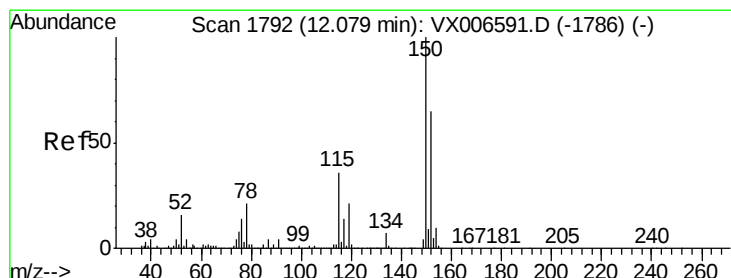
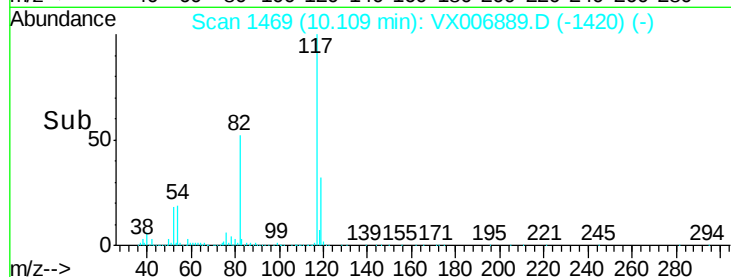
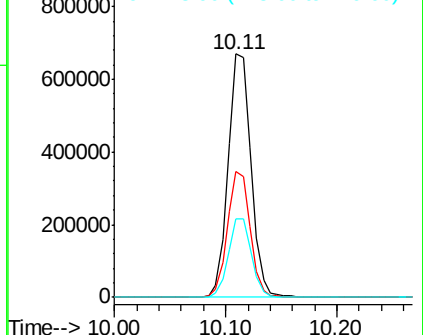
119 32.1 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006889.D

Acq: 03 Jan 2019 12:45

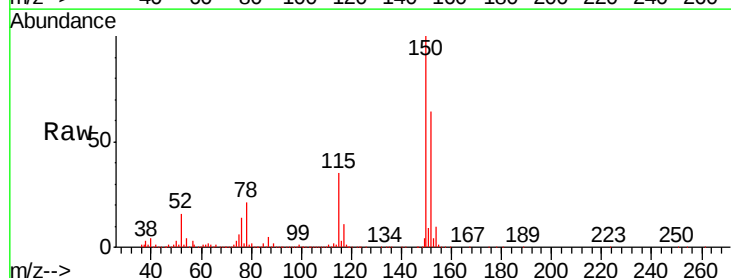
Tgt Ion:152 Resp: 472304

Ion Ratio Lower Upper

152 100

115 55.1 39.1 117.2

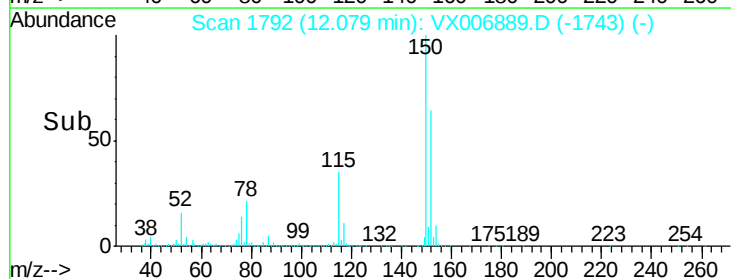
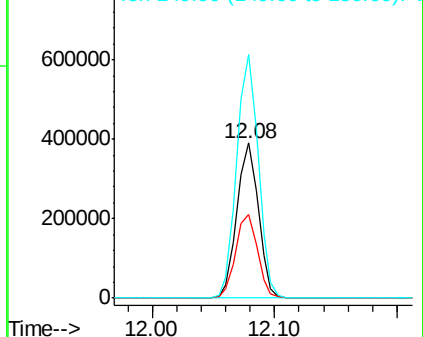
150 158.2 0.0 344.8

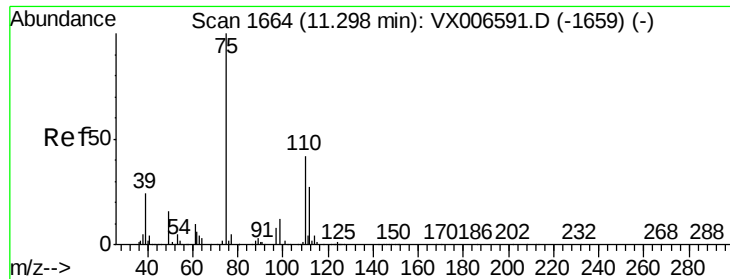


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.305 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006889.D

Acq: 03 Jan 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

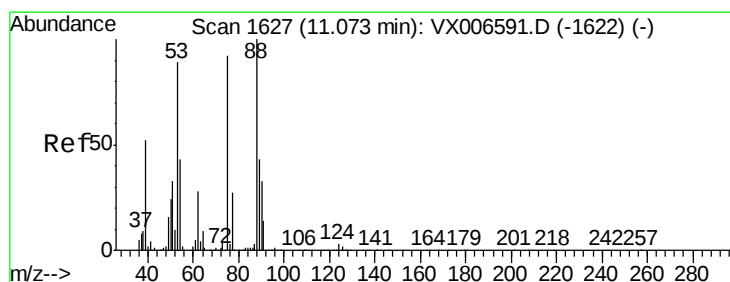
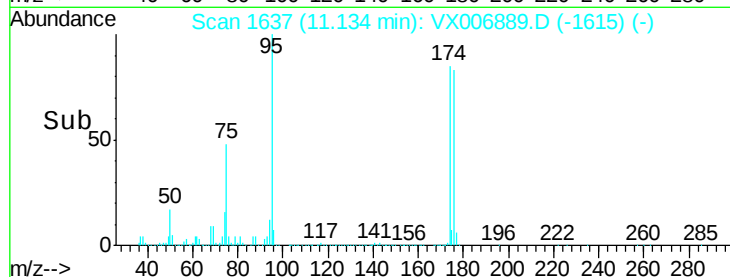
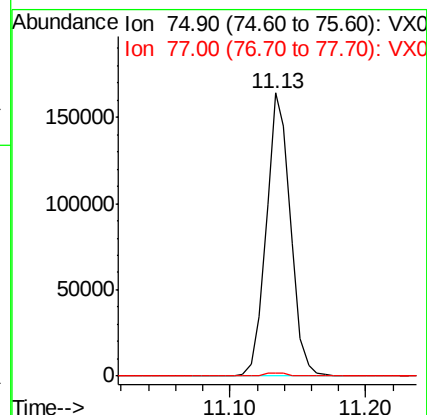
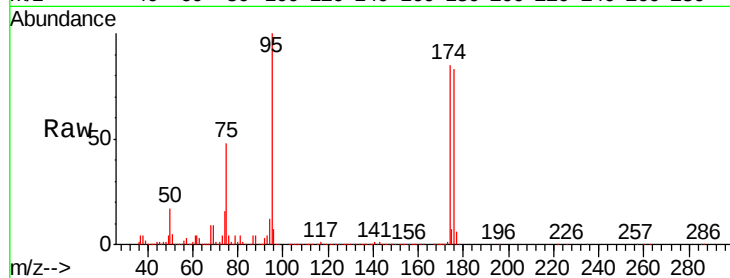
S32-TB-2018-5

Tgt Ion: 75 Resp: 204561

Ion Ratio Lower Upper

75 100

77 1.4 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.154 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006889.D

Acq: 03 Jan 2019 12:45

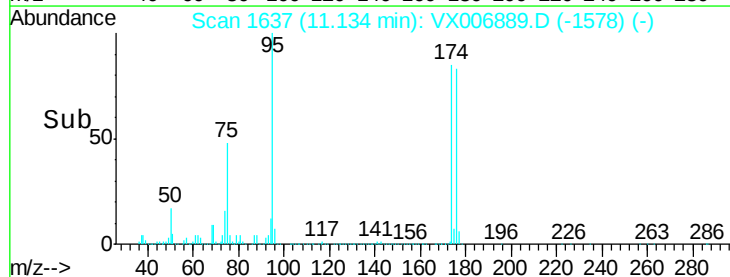
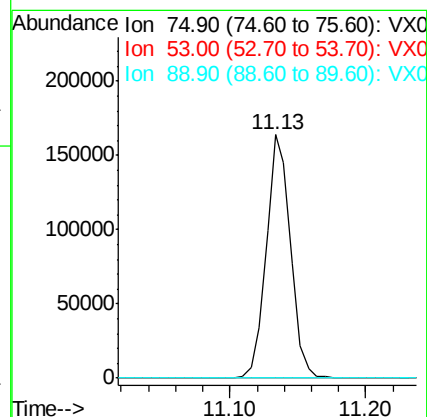
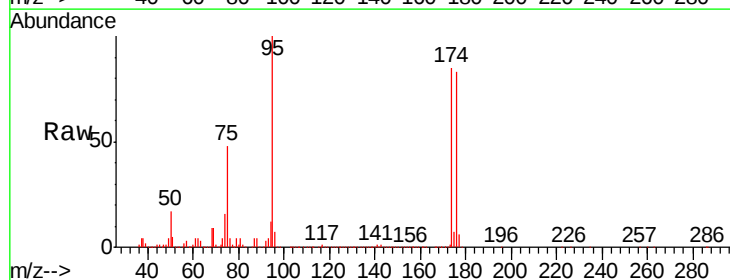
Tgt Ion: 75 Resp: 204561

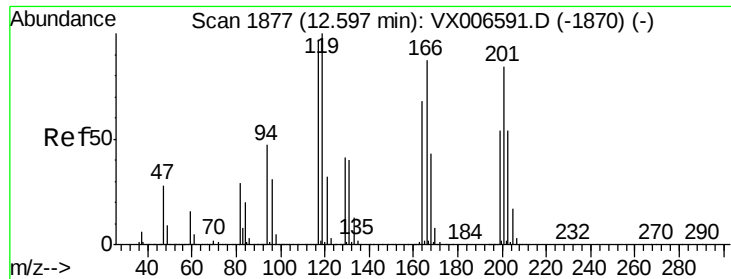
Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.1 38.0 57.0#





#90

Hexachloroethane

Concen: 3.303 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006889.D

Acq: 03 Jan 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2018-5

Tgt Ion:117 Resp: 49

Ion Ratio Lower Upper

117 100

201 44.9 42.9 128.7

