

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070819\
 Data File : VX010688.D
 Acq On : 08 Jul 2019 12:19
 Operator : JC/SP
 Sample : K3669-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-TB01-190701

Quant Time: Jul 09 01:06:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	239930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	372852	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	341819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158559	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	120977	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	
35) Dibromofluoromethane	5.49	113	115655	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	8.71	98	442749	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.13	95	151240	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	

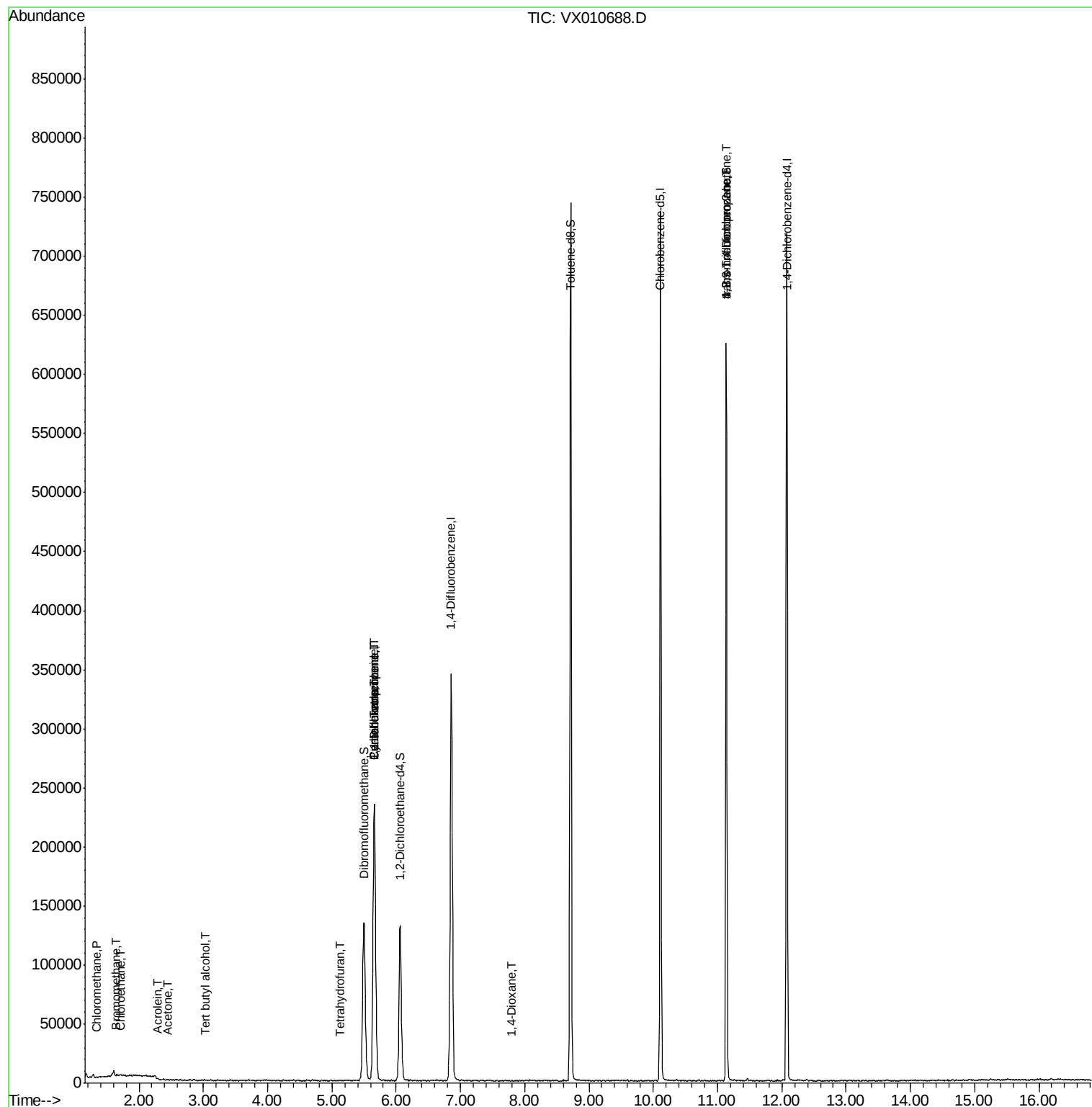
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	415	0.214	ug/l #	78
5) Bromomethane	1.65	94	649	0.626	ug/l	83
6) Chloroethane	1.71	64	467	0.372	ug/l #	79
11) Tert butyl alcohol	3.03	59	328	0.557	ug/l #	79
13) Acrolein	2.28	56	278	0.712	ug/l #	40
16) Acetone	2.45	43	315	0.279	ug/l	97
29) Tetrahydrofuran	5.13	42	242	0.236	ug/l #	34
31) Cyclohexane	5.66	56	4502	1.385	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15325	5.172	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21470	6.692	ug/l #	16
49) 1,4-Dioxane	7.79	88	27	0.400	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	74587	25.814	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74587	60.222	ug/l #	16

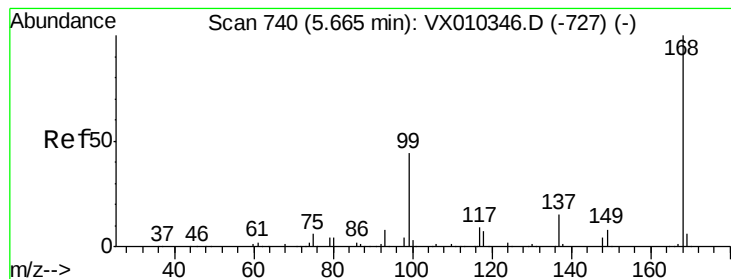
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010688.D

Acq: 08 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

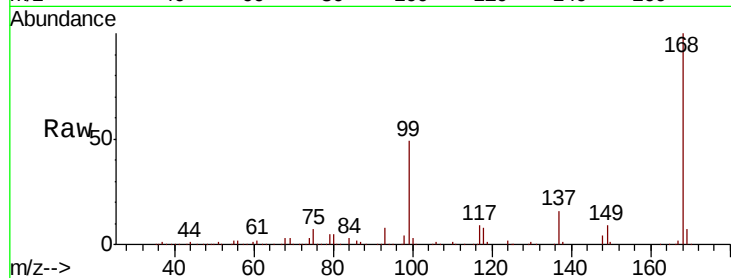
S8-TB01-190701

Tot Ion:168 Resp: 239930

Ion Ratio Lower Upper

168 100

99 49.3 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

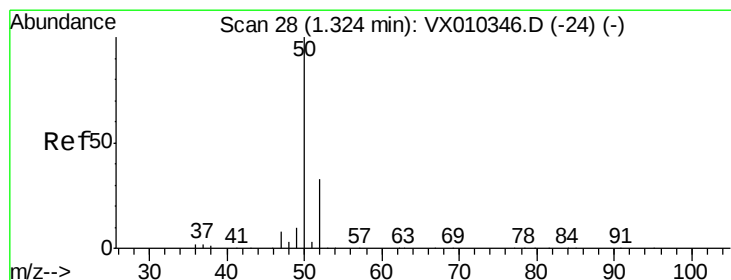
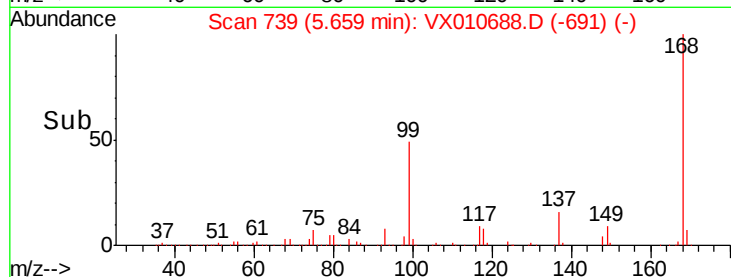
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.214 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010688.D

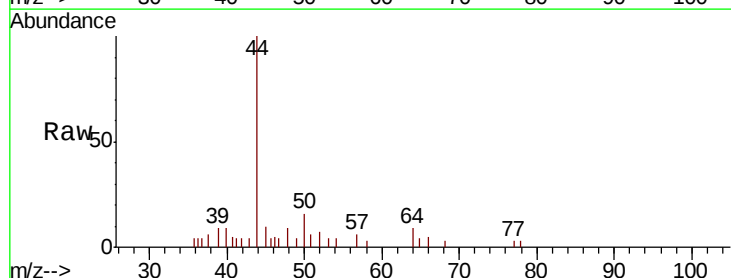
Acq: 08 Jul 2019 12:19

Tgt Ion: 50 Resp: 415

Ion Ratio Lower Upper

50 100

52 45.7 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

300

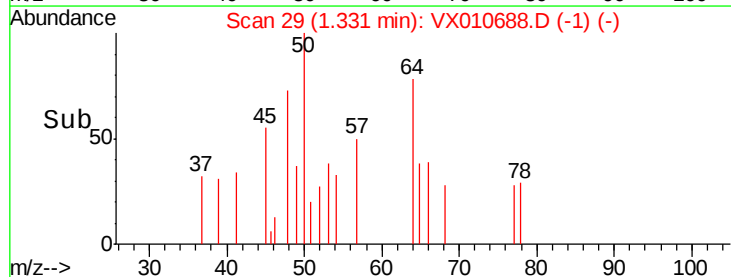
200

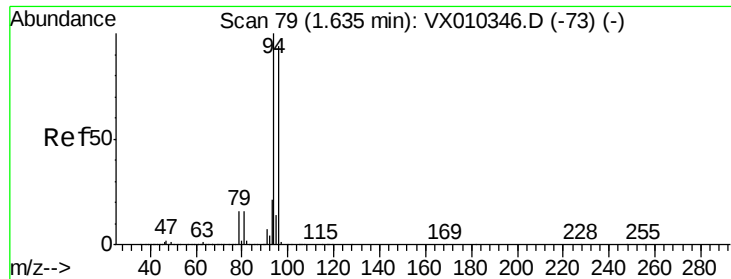
100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.626 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010688.D

Acq: 08 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

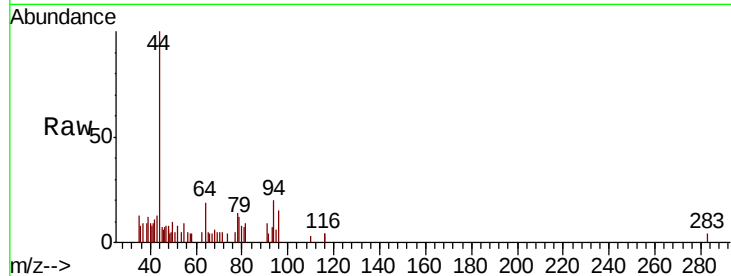
S8-TB01-190701

Tot Ion: 94 Resp: 649

Ion Ratio Lower Upper

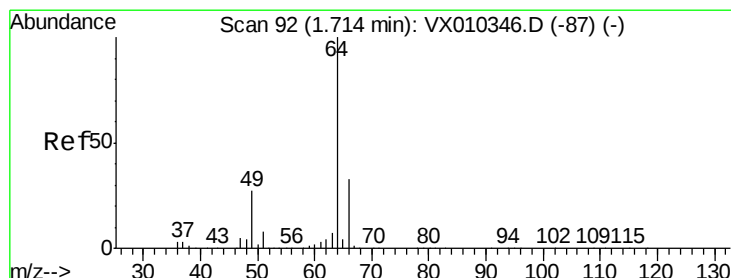
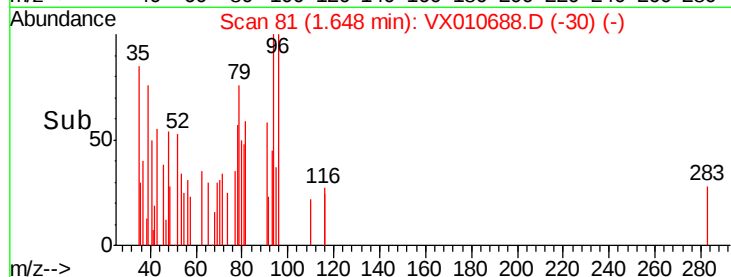
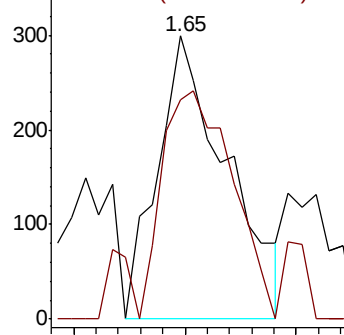
94 100

96 77.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.372 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010688.D

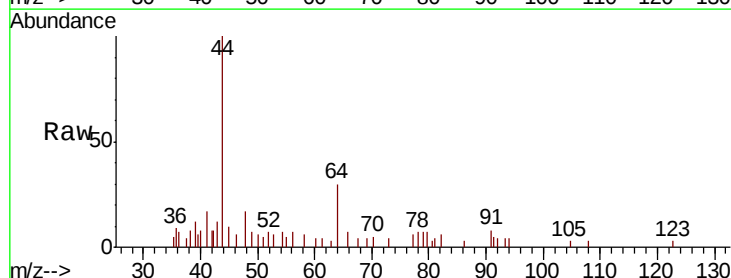
Acq: 08 Jul 2019 12:19

Tgt Ion: 64 Resp: 467

Ion Ratio Lower Upper

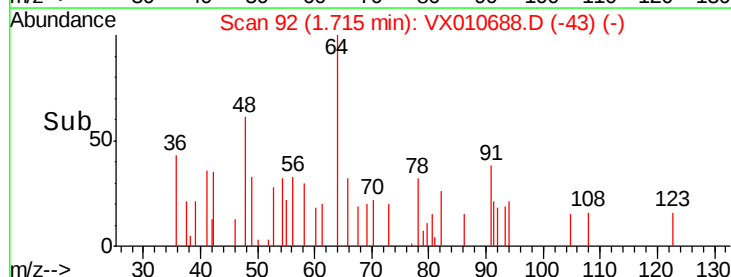
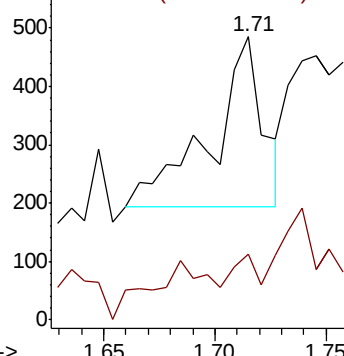
64 100

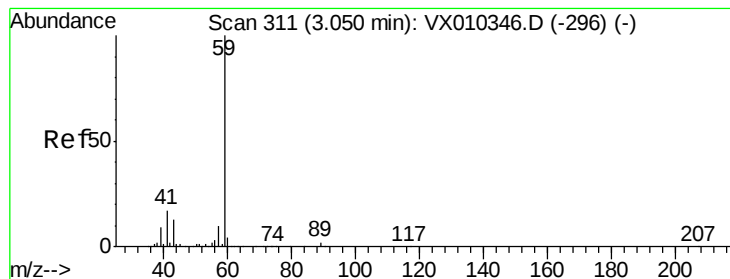
66 21.3 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



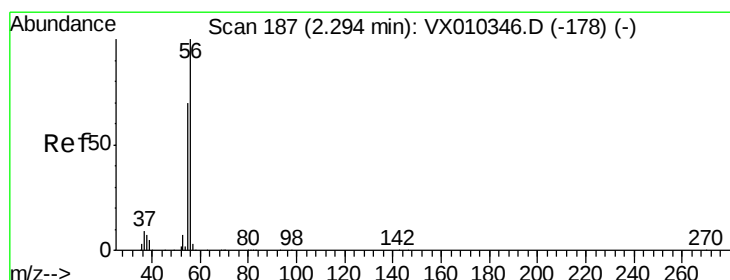
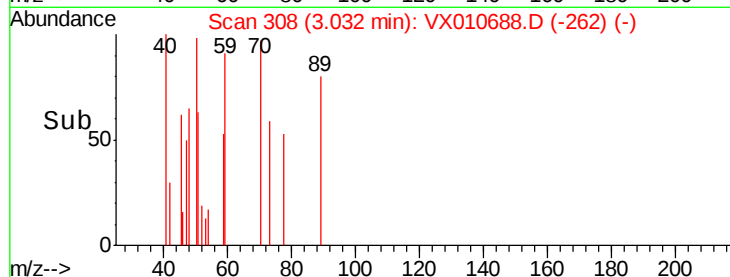
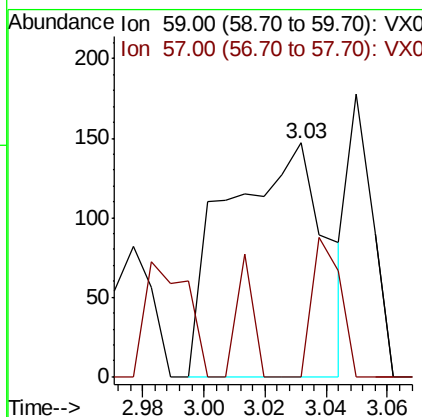
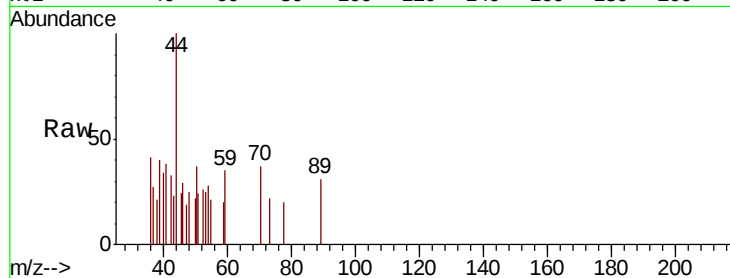


#11

Tert butyl alcohol
Concen: 0.557 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX010688.D
Acq: 08 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
S8-TB01-190701

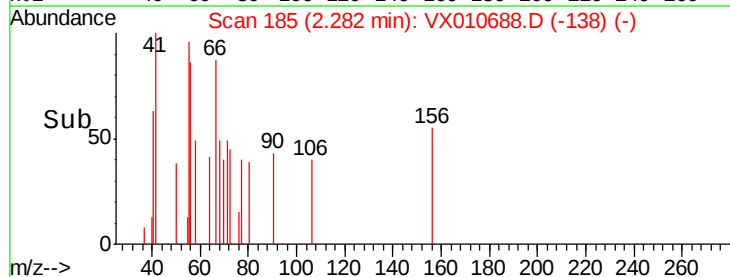
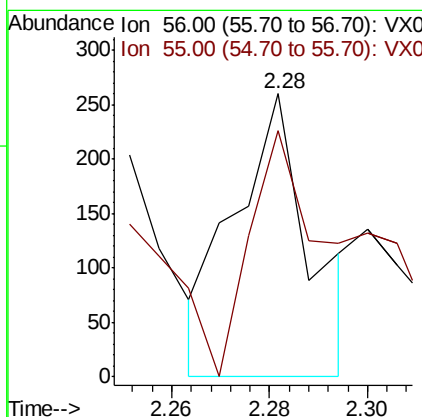
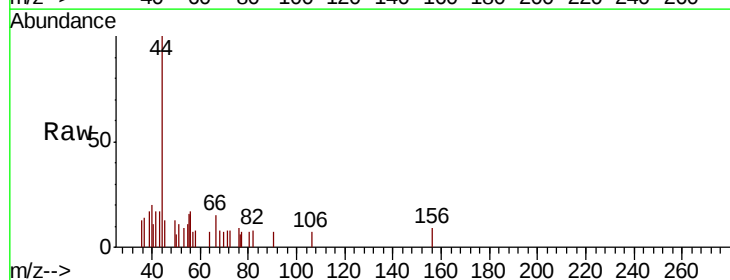
Tot Ion: 59 Resp: 328
Ion Ratio Lower Upper
59 100
57 17.4 7.7 11.5#

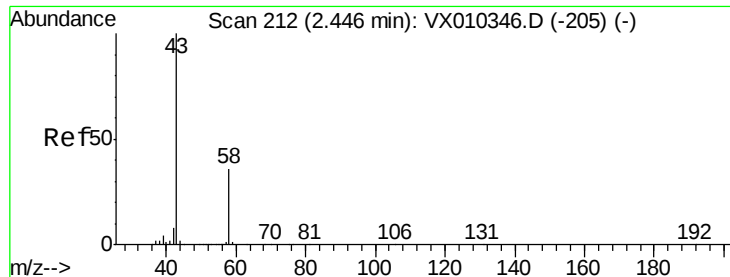


#13

Acrolein
Concen: 0.712 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX010688.D
Acq: 08 Jul 2019 12:19

Tgt Ion: 56 Resp: 278
Ion Ratio Lower Upper
56 100
55 120.9 56.9 85.3#





#16

Acetone

Concen: 0.279 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010688.D

Acq: 08 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

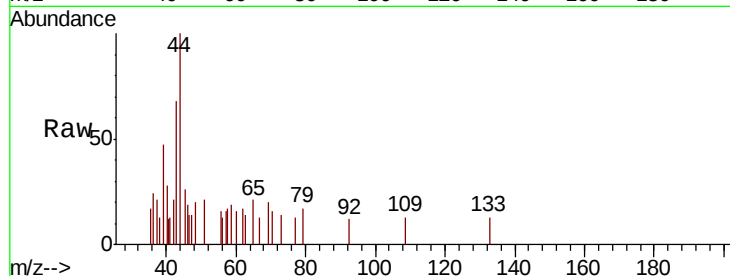
S8-TB01-190701

Tot Ion: 43 Resp: 315

Ion Ratio Lower Upper

43 100

58 34.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

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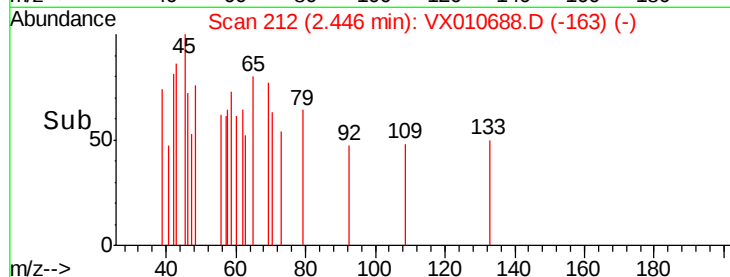
2.45

2.45

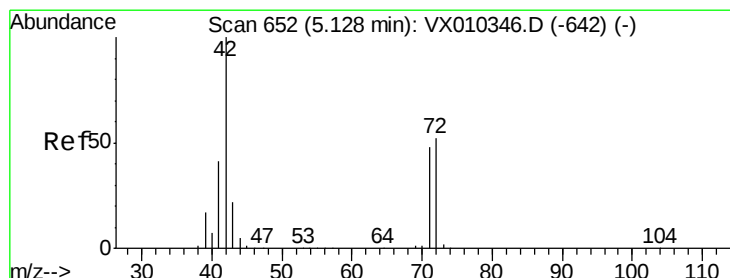
2.45

2.45

2.45



Time--> 2.38 2.40 2.42 2.44 2.46



#29

Tetrahydrofuran

Concen: 0.236 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010688.D

Acq: 08 Jul 2019 12:19

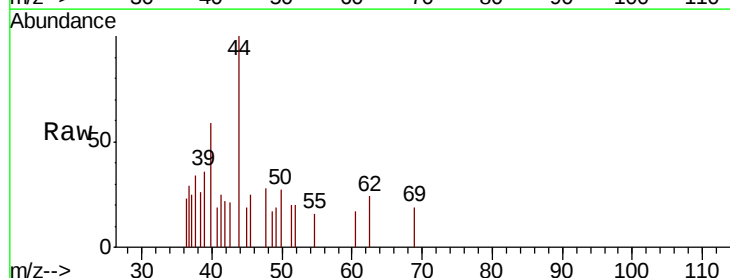
Tgt Ion: 42 Resp: 242

Ion Ratio Lower Upper

42 100

72 7.9 40.6 60.8#

71 0.0 37.8 56.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

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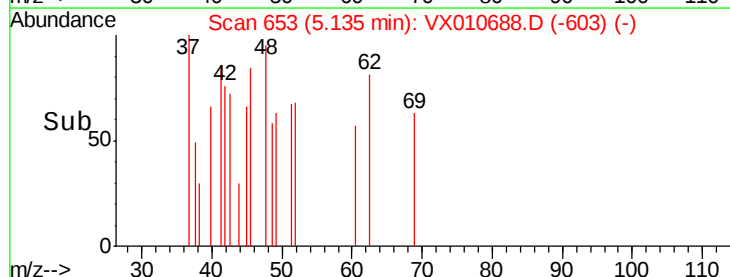
5.13

5.13

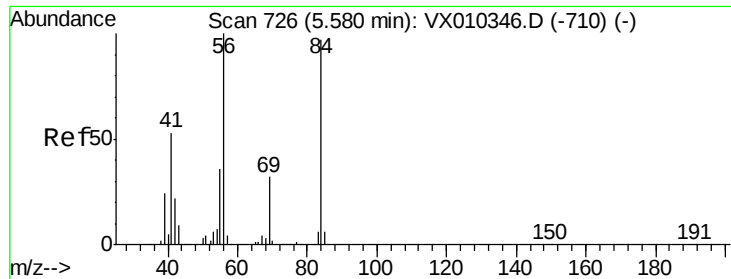
5.13

5.13

5.13



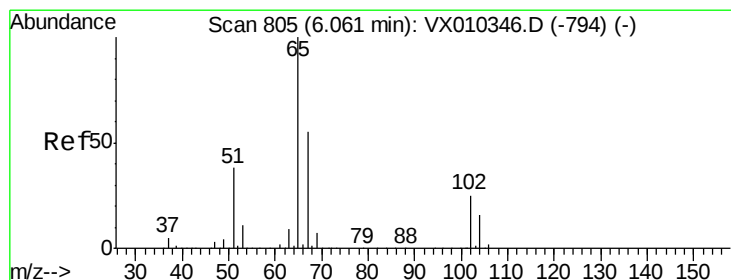
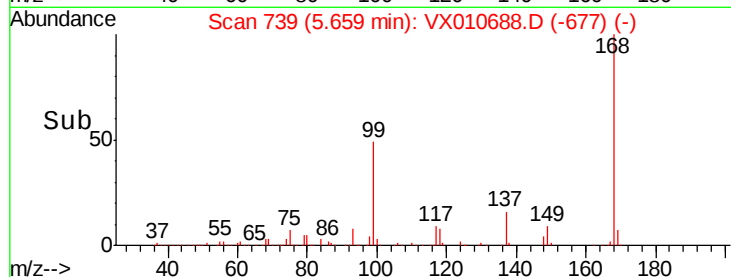
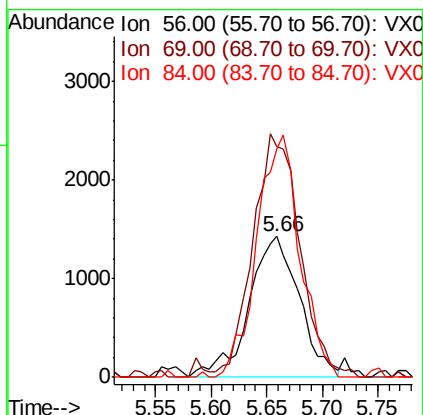
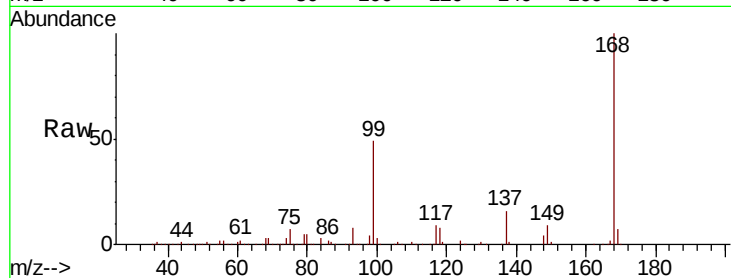
Time--> 5.10 5.12 5.14 5.16



#31
Cyclohexane
Concen: 1.385 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010688.D
Acq: 08 Jul 2019 12:19

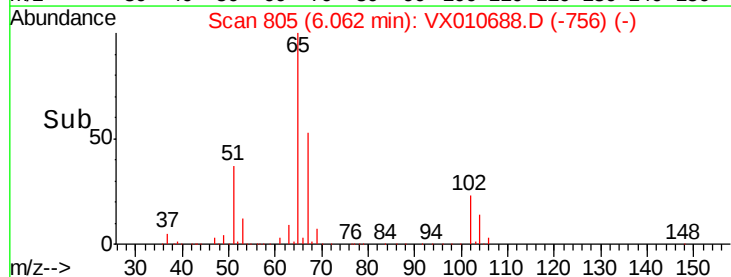
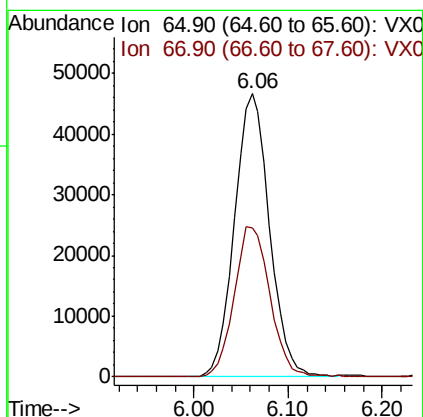
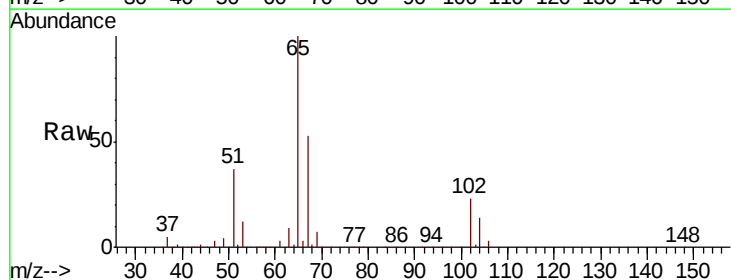
Instrument :
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S8-TB01-190701

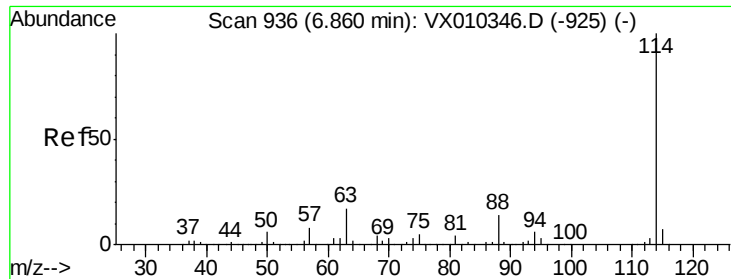
Tot Ion: 56 Resp: 4502
Ion Ratio Lower Upper
56 100
69 163.2 25.9 38.9#
84 161.7 78.0 117.0#



#33
1,2-Dichloroethane-d4
Concen: 53.778 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010688.D
Acq: 08 Jul 2019 12:19

Tgt Ion: 65 Resp: 120977
Ion Ratio Lower Upper
65 100
67 54.5 0.0 110.2

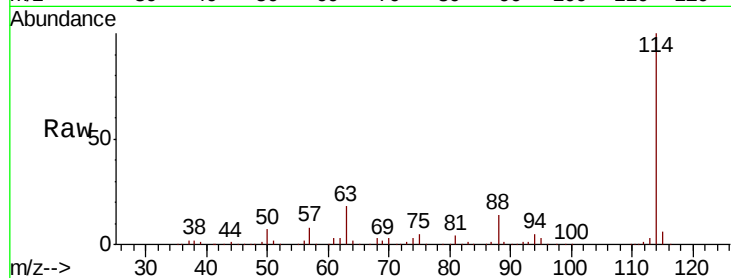




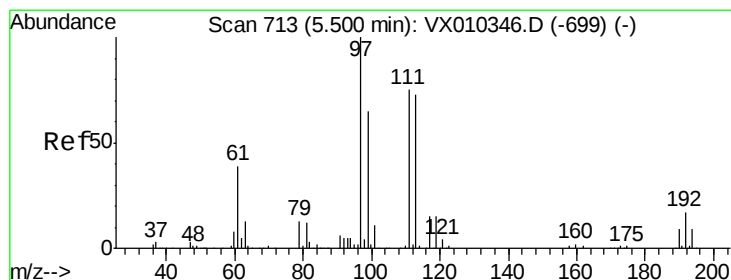
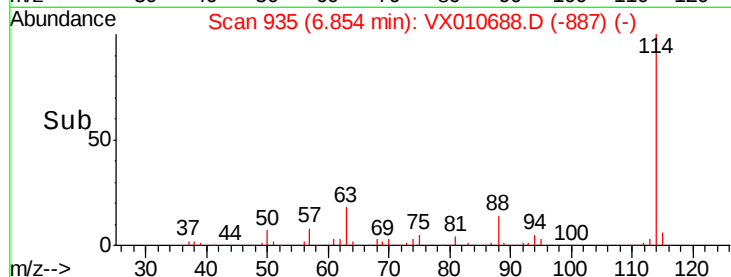
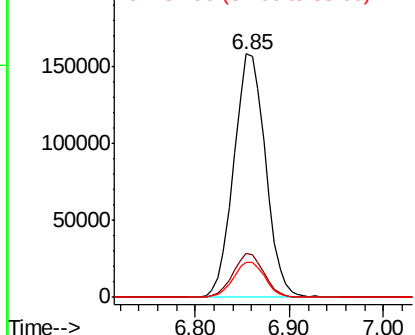
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX010688.D
Acq: 08 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
S8-TB01-190701

Tot Ion:114 Resp: 372852
Ion Ratio Lower Upper
114 100
63 17.9 0.0 33.8
88 14.2 0.0 27.6

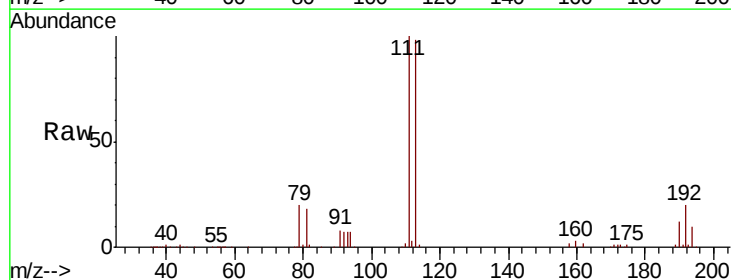


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

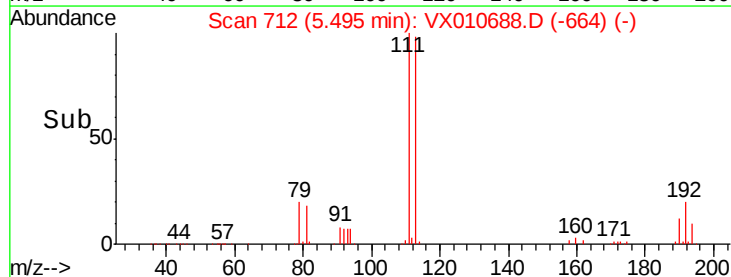
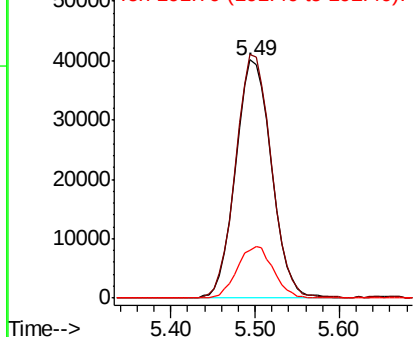


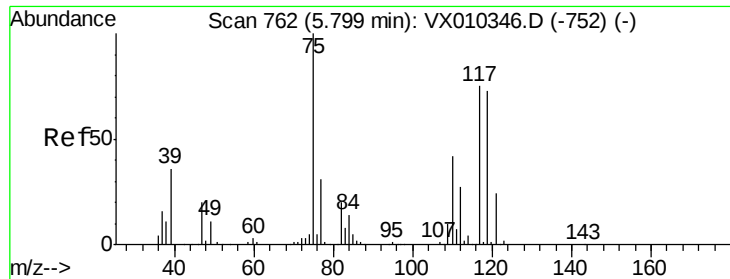
#35
Dibromofluoromethane
Concen: 50.698 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010688.D
Acq: 08 Jul 2019 12:19

Tgt Ion:113 Resp: 115655
Ion Ratio Lower Upper
113 100
111 101.6 81.2 121.8
192 21.8 18.6 27.8



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

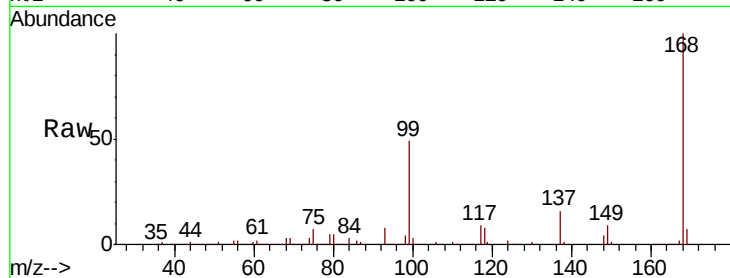




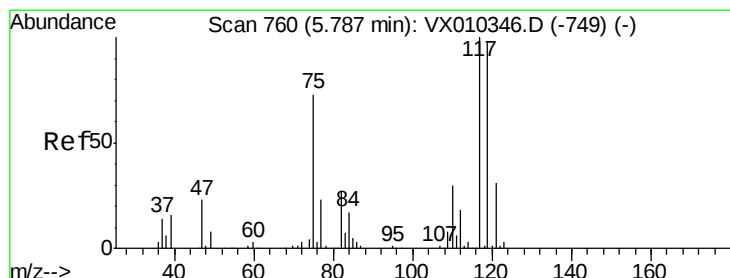
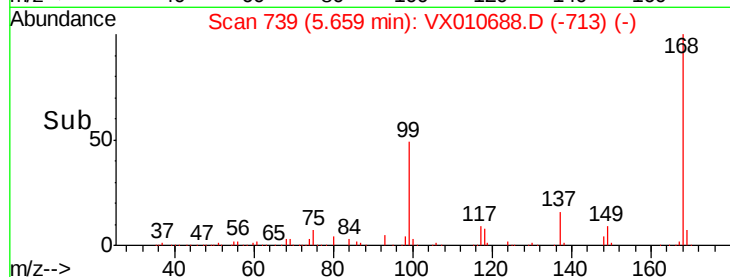
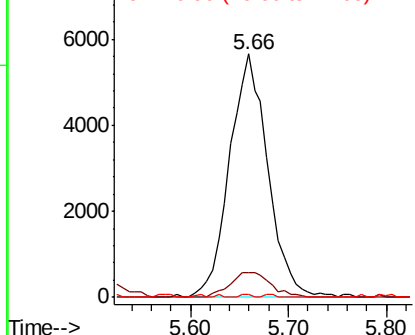
#36
 1,1-Dichloropropene
 Concen: 5.172 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010688.D
 Acq: 08 Jul 2019 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-TB01-190701

Tot Ion	Ratio	Lower	Upper
75	100		
110	11.1	20.8	62.2#
77	0.3	25.4	38.0#

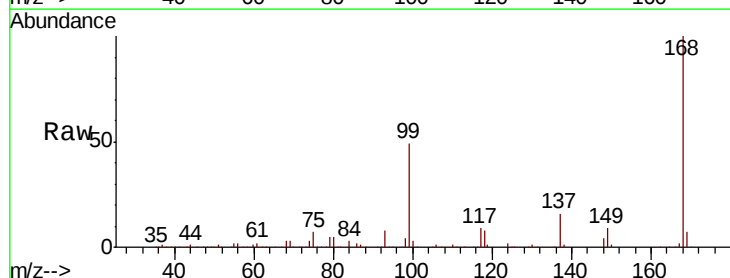


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

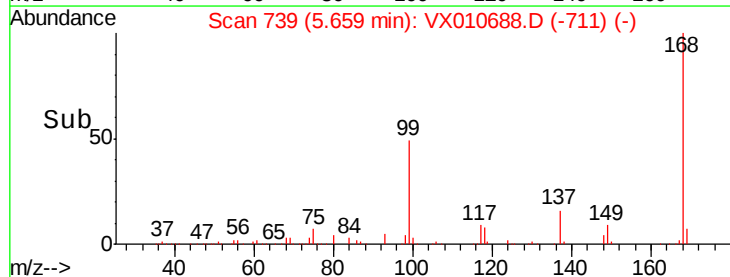
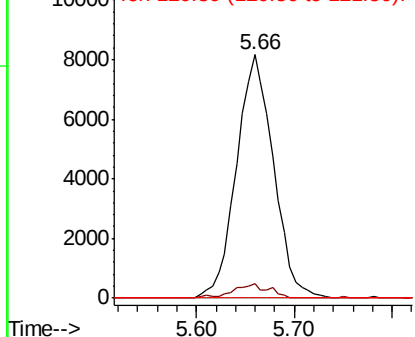


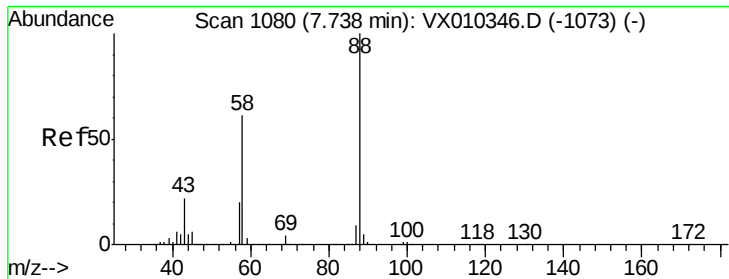
#38
 Carbon Tetrachloride
 Concen: 6.692 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010688.D
 Acq: 08 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.2	117.4#
121	0.0	24.7	37.1#



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

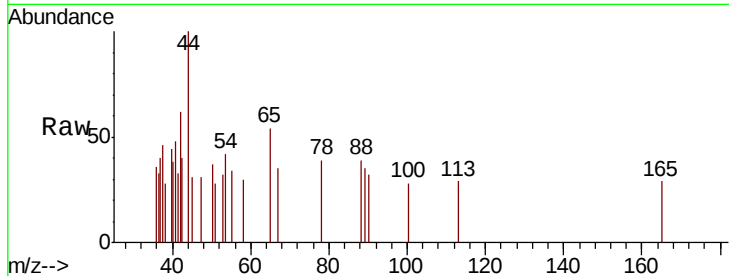




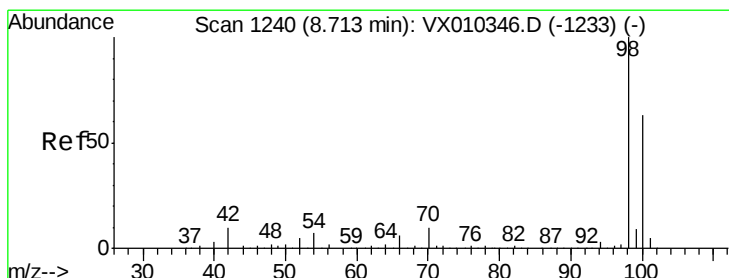
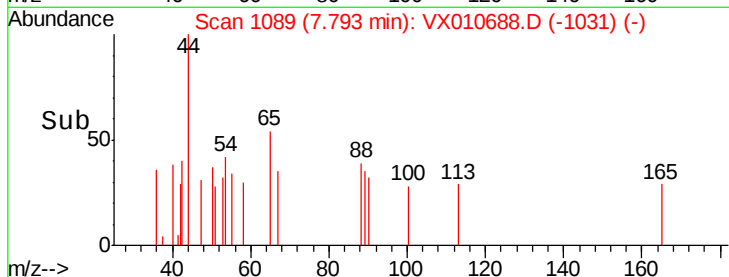
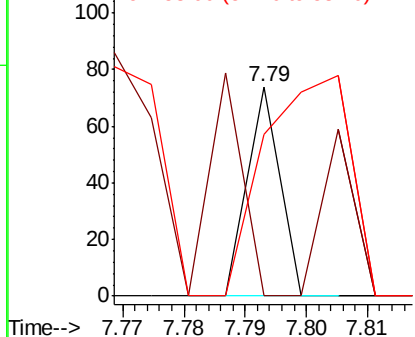
#49
1,4-Dioxane
Concen: 0.400 ug/l
RT: 7.79 min Scan# 1089
Delta R.T. 0.06 min
Lab File: VX010688.D
Acq: 08 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
S8-TB01-190701

Tot Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 81.5 20.2 30.2#
58 281.5 49.5 74.3#

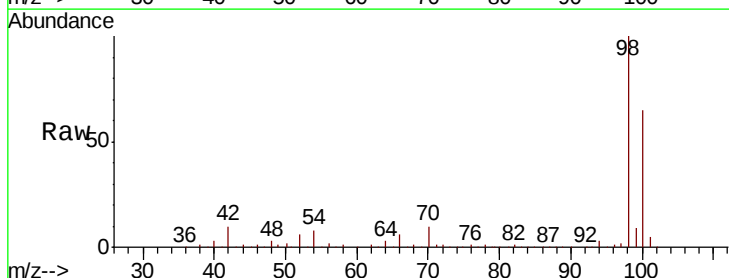


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

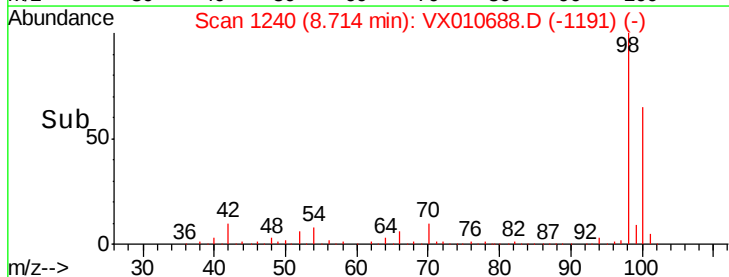
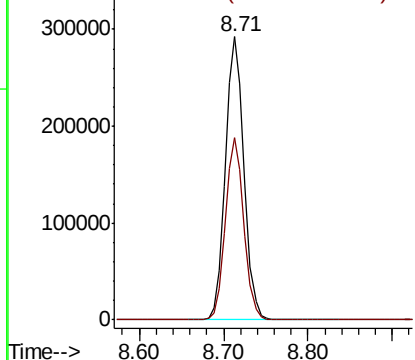


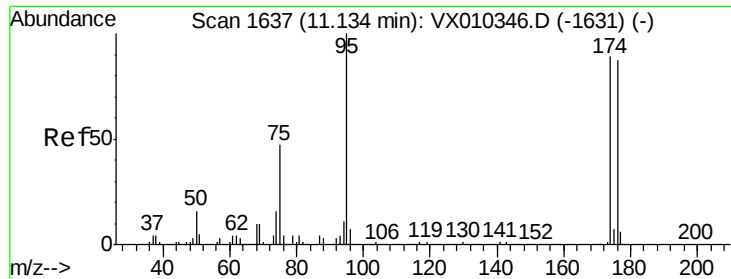
#50
Toluene-d8
Concen: 50.730 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010688.D
Acq: 08 Jul 2019 12:19

Tgt Ion: 98 Resp: 442749
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

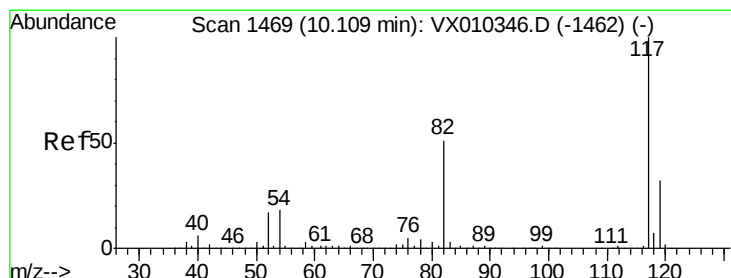
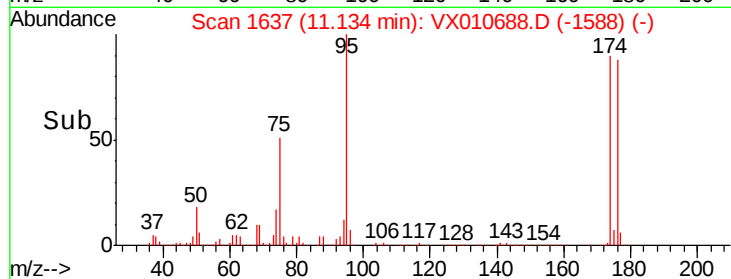
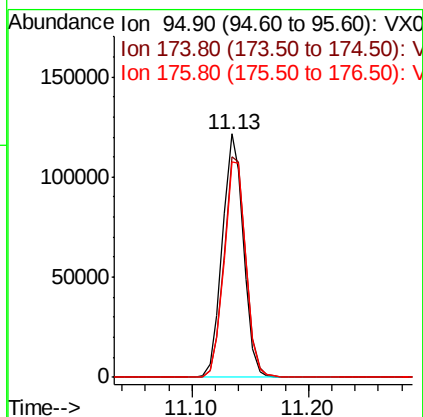
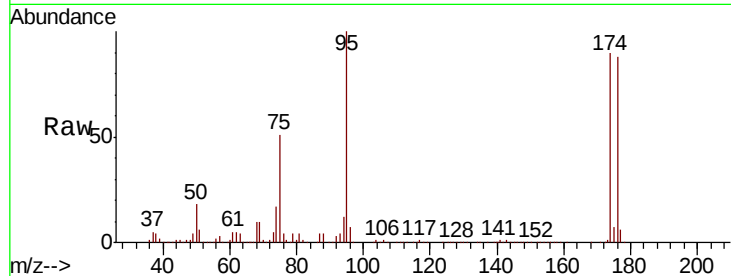




#62
4-Bromofluorobenzene
Concen: 47.999 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010688.D
Acq: 08 Jul 2019 12:19

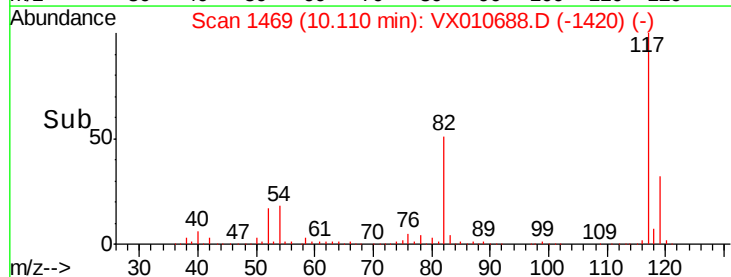
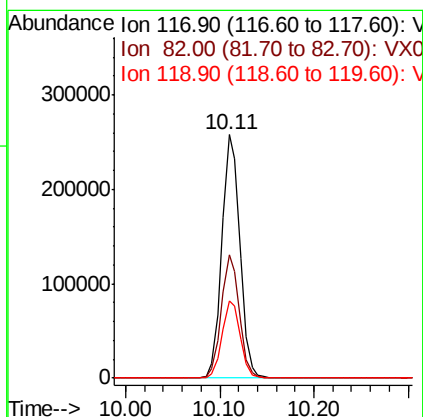
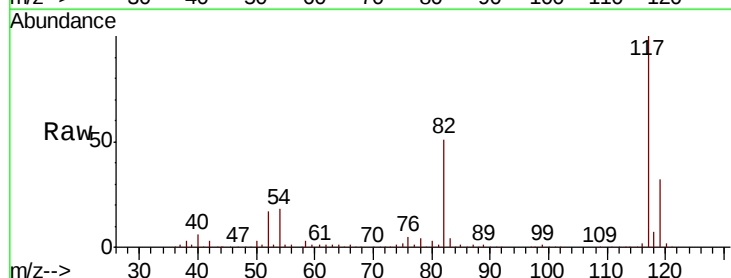
Instrument :
MSVOA_X
ClientSampleId :
S8-TB01-190701

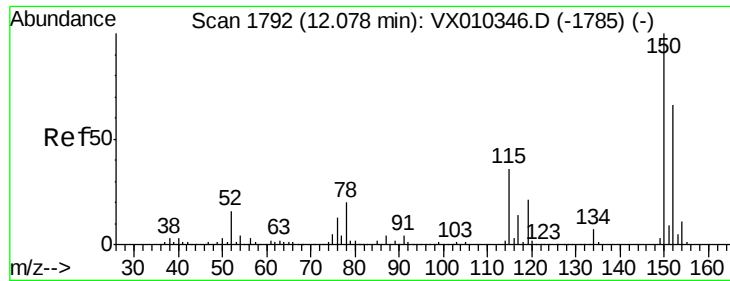
Tot Ion: 95 Resp: 151240
Ion Ratio Lower Upper
95 100
174 93.5 0.0 187.6
176 92.2 0.0 184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010688.D
Acq: 08 Jul 2019 12:19

Tgt Ion: 117 Resp: 341819
Ion Ratio Lower Upper
117 100
82 50.9 41.2 61.8
119 31.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010688.D

Acq: 08 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

S8-TB01-190701

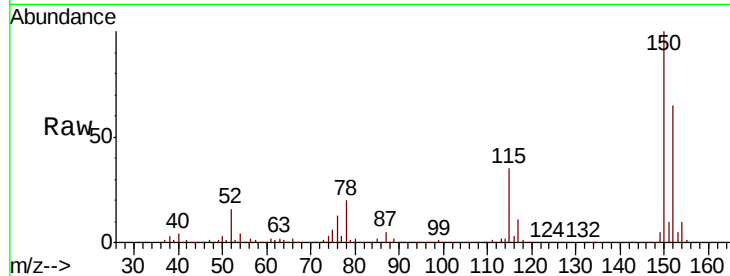
Tot Ion:152 Resp: 158559

Ion Ratio Lower Upper

152 100

115 55.2 38.6 115.7

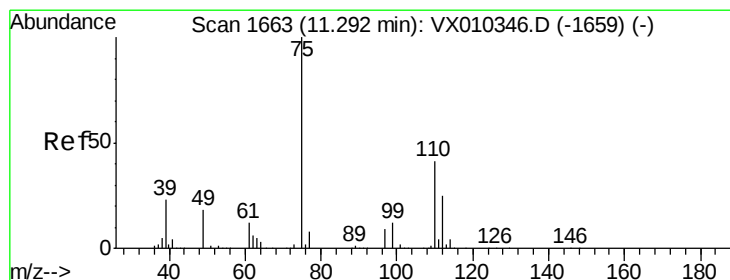
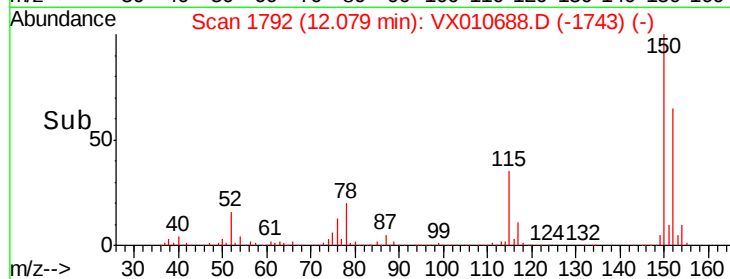
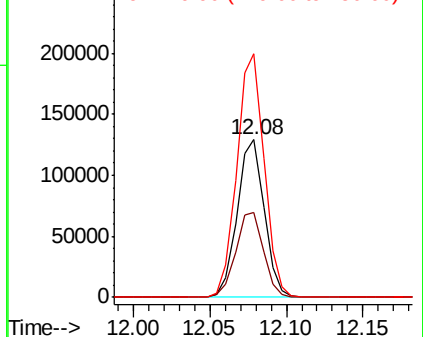
150 155.6 0.0 347.4



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: 25.814 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010688.D

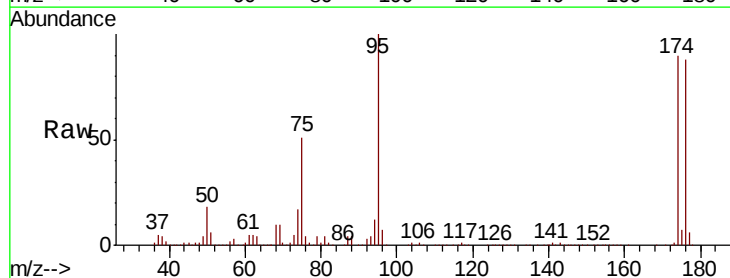
Acq: 08 Jul 2019 12:19

Tgt Ion: 75 Resp: 74587

Ion Ratio Lower Upper

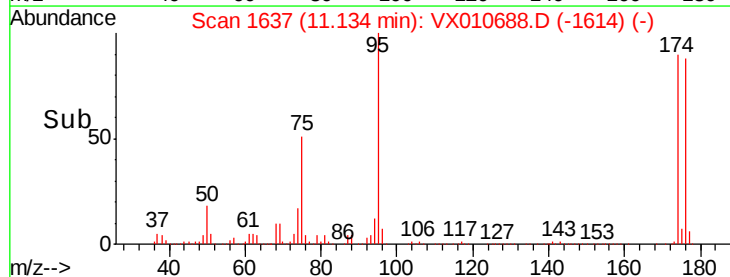
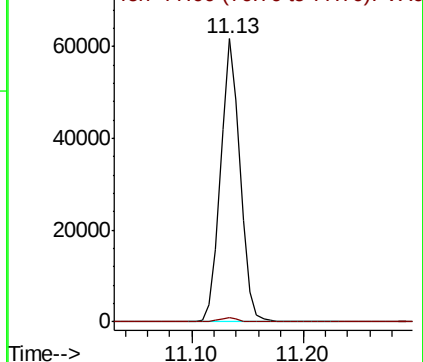
75 100

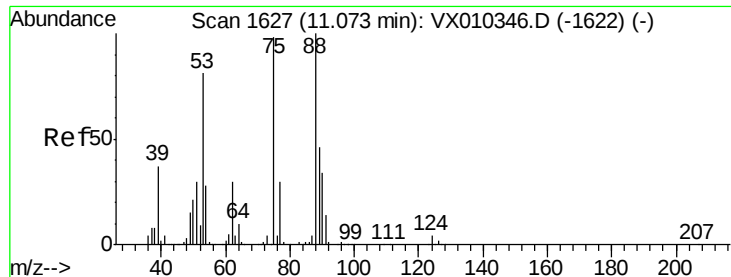
77 1.4 22.6 67.8#



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: 60.222 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010688.D

Acq: 08 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

S8-TB01-190701

Tot Ion: 75 Resp: 74587

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

89 0.0 37.8 56.6#

