

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
 Data File : VX009855.D
 Acq On : 23 May 2019 13:57
 Operator : JC/SP
 Sample : K3000-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-TB-2019-2

Quant Time: May 24 03:50:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	175922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	282895	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	101646	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	122021	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
35) Dibromofluoromethane	5.50	113	86825	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	8.71	98	358360	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	11.13	95	117301	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	

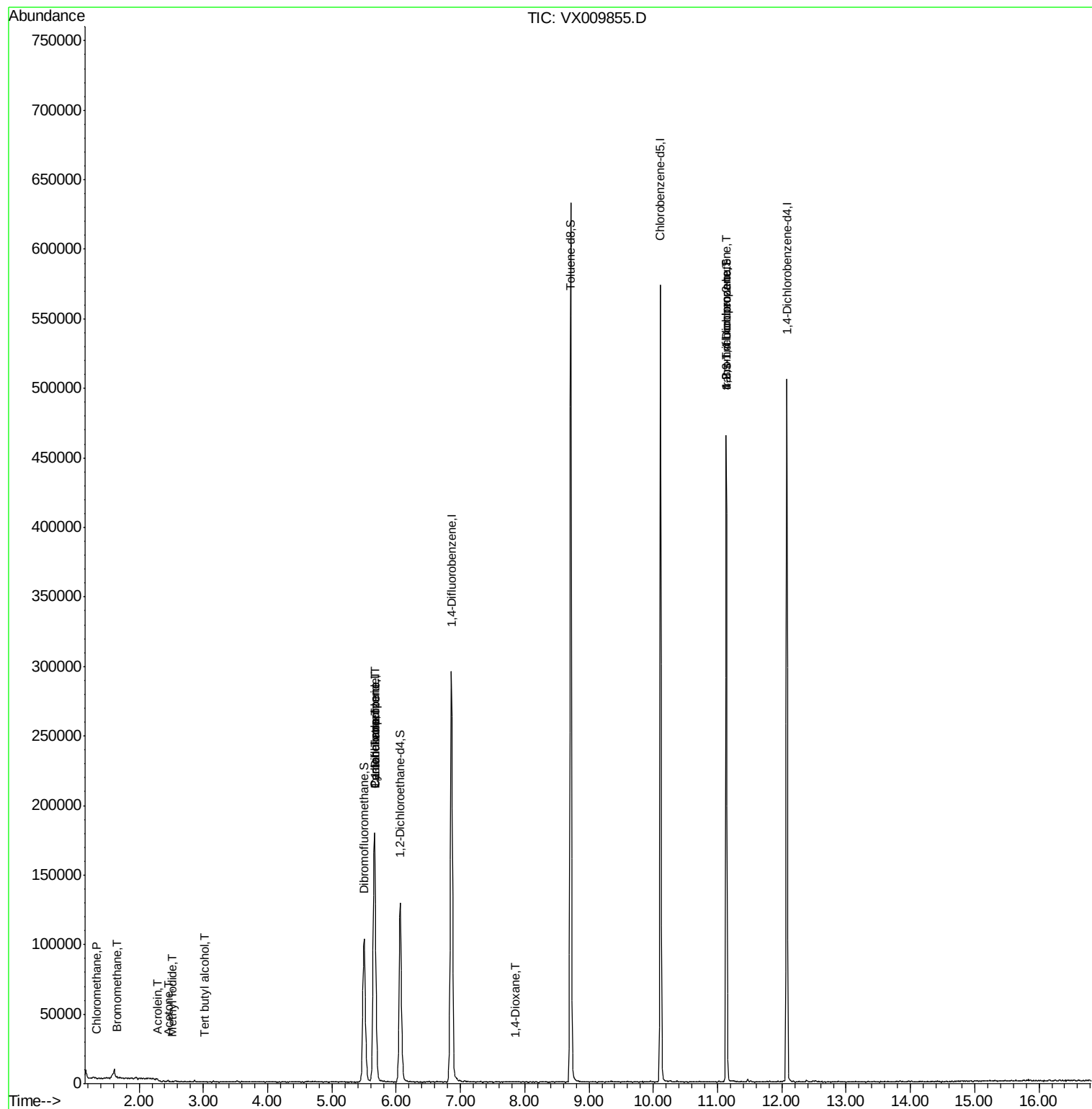
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	462	0.209	ug/l #	81
5) Bromomethane	1.65	94	381	0.294	ug/l	97
10) Methyl Iodide	2.52	142	241	4.708	ug/l #	65
11) Tert butyl alcohol	3.02	59	226	0.407	ug/l #	73
13) Acrolein	2.29	56	214	0.425	ug/l #	73
16) Acetone	2.45	43	856	0.664	ug/l	98
28) Bromochloromethane	5.03	49	41	Below Cal	#	20
31) Cyclohexane	5.67	56	4297	1.210	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14520	5.523	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17020	7.126	ug/l #	15
49) 1,4-Dioxane	7.85	88	23	0.390	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	60508	25.663	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60508	65.662	ug/l #	10

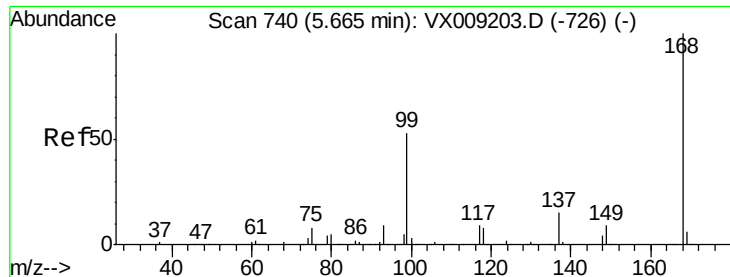
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009855.D

Acq: 23 May 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

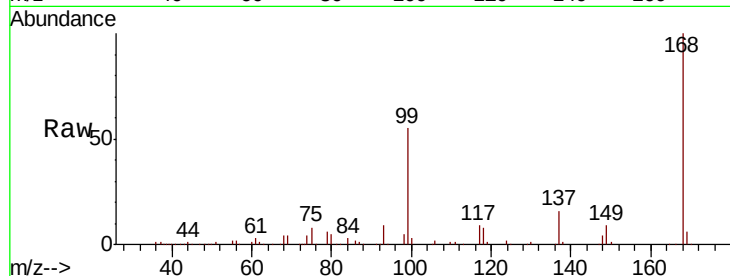
S36-TB-2019-2

Tot Ion:168 Resp: 175922

Ion Ratio Lower Upper

168 100

99 54.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

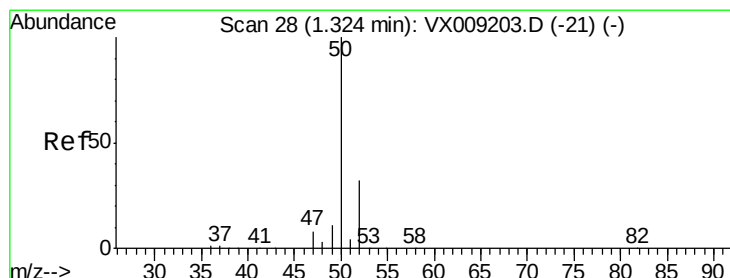
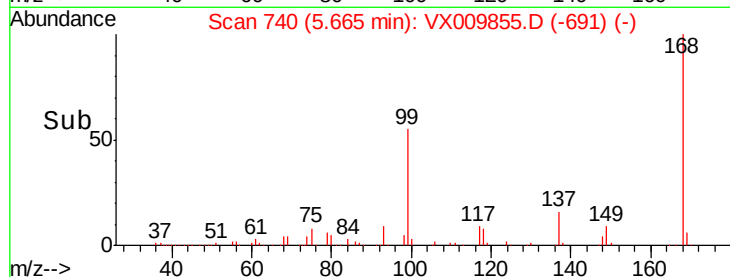
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009855.D

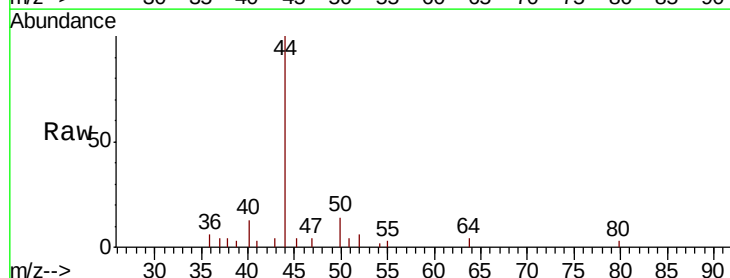
Acq: 23 May 2019 13:57

Tgt Ion: 50 Resp: 462

Ion Ratio Lower Upper

50 100

52 43.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

300

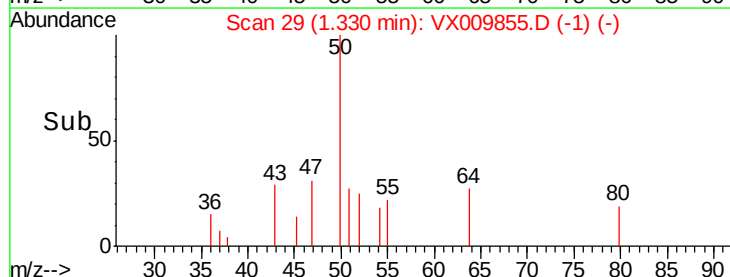
200

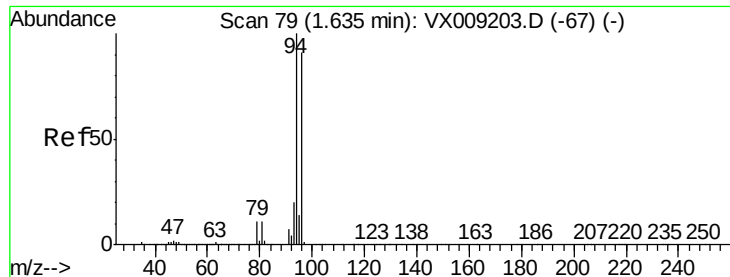
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.294 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009855.D

Acq: 23 May 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

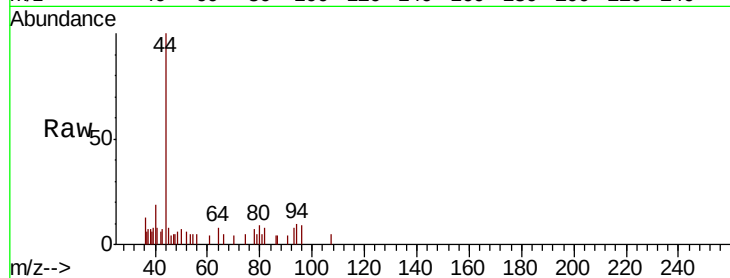
S36-TB-2019-2

Tot Ion: 94 Resp: 381

Ion Ratio Lower Upper

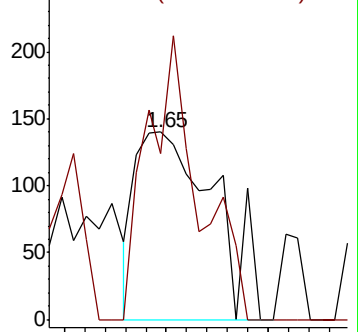
94 100

96 88.6 73.0 109.6

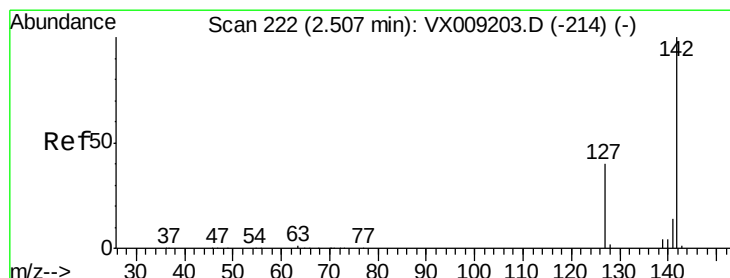
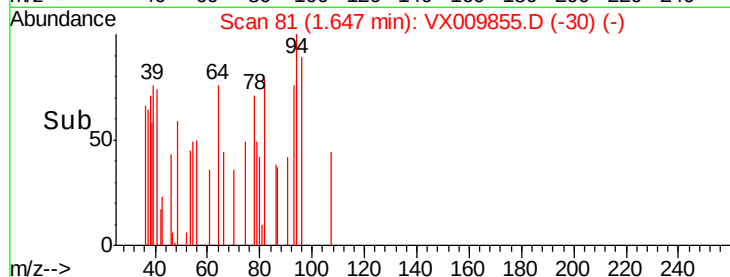


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 4.708 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009855.D

Acq: 23 May 2019 13:57

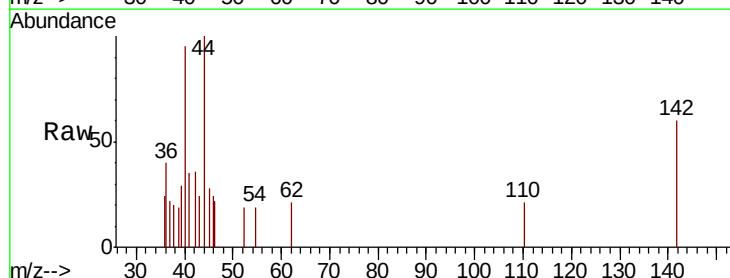
Tgt Ion: 142 Resp: 241

Ion Ratio Lower Upper

142 100

127 19.1 32.7 49.1#

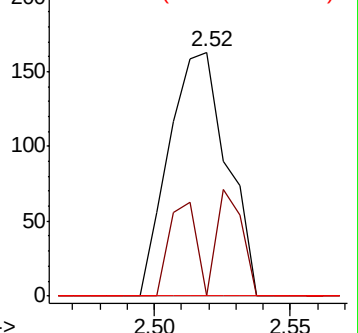
141 0.0 11.5 17.3#



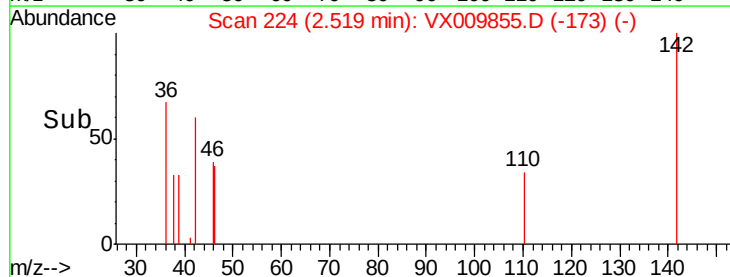
Abundance Ion 141.80 (141.50 to 142.50): V

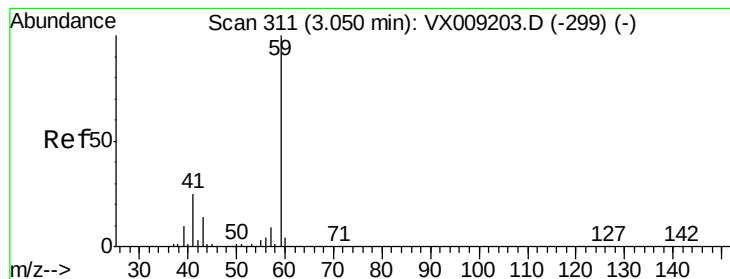
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->





#11

Tert butyl alcohol

Concen: 0.407 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX009855.D

Acq: 23 May 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

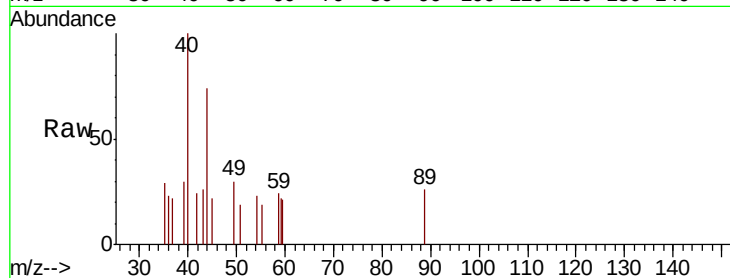
S36-TB-2019-2

Tot Ion: 59 Resp: 226

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

200

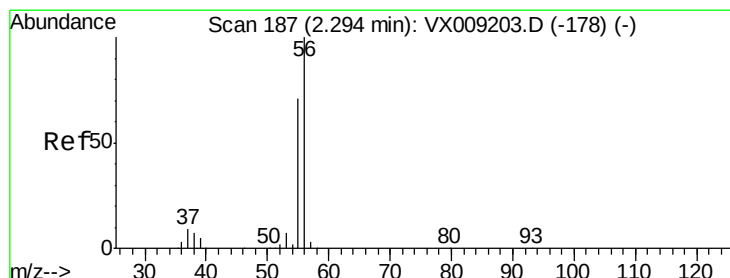
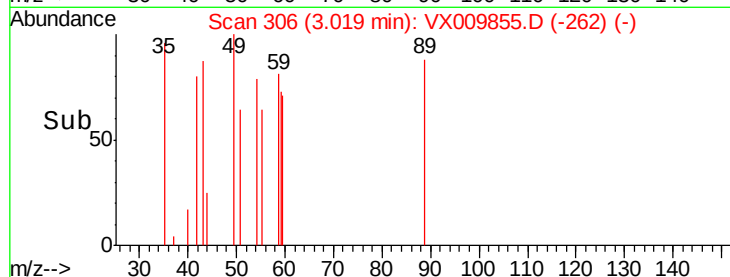
150

100

50

0

Time--> 2.95 3.00 3.05



#13

Acrolein

Concen: 0.425 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009855.D

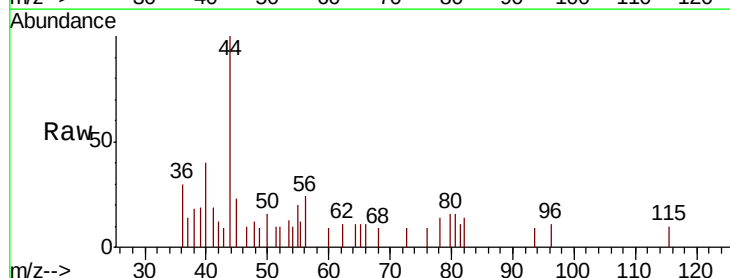
Acq: 23 May 2019 13:57

Tgt Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 93.5 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

200

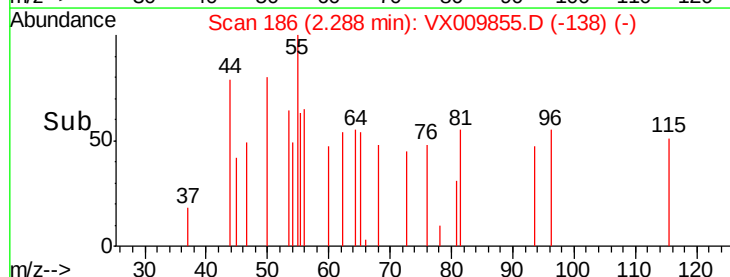
150

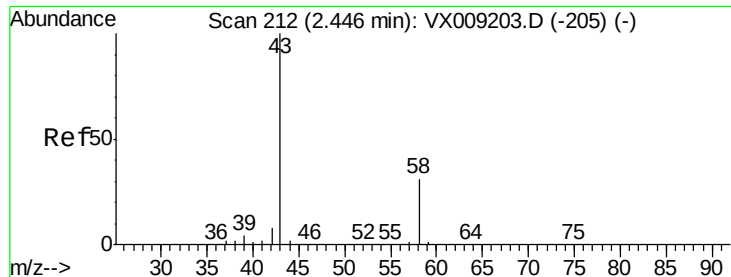
100

50

0

Time--> 2.28 2.30 2.32





#16

Acetone

Concen: 0.664 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009855.D

Acq: 23 May 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

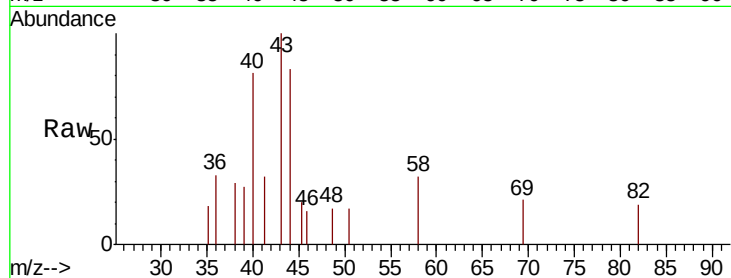
S36-TB-2019-2

Tot Ion: 43 Resp: 856

Ion Ratio Lower Upper

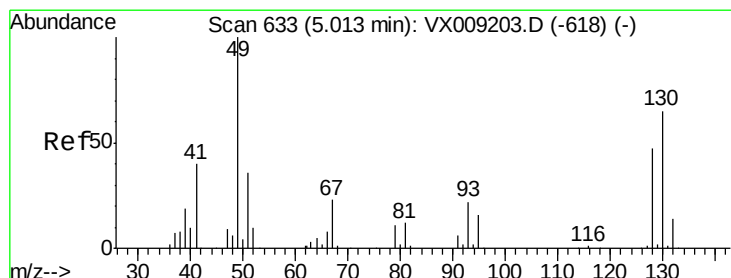
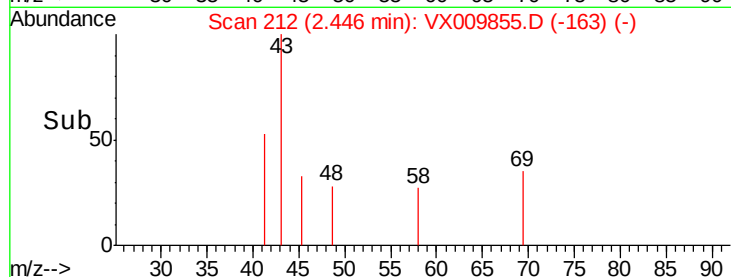
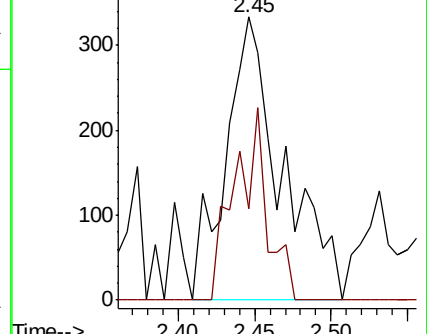
43 100

58 32.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.02 min

Lab File: VX009855.D

Acq: 23 May 2019 13:57

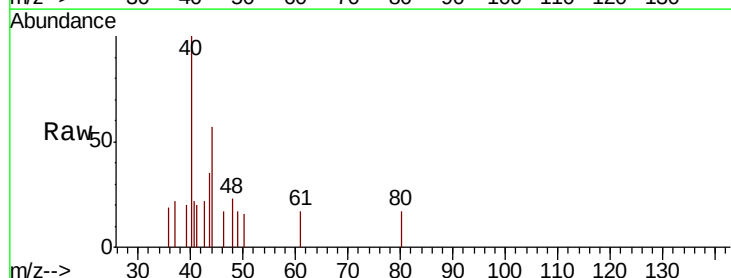
Tgt Ion: 49 Resp: 41

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

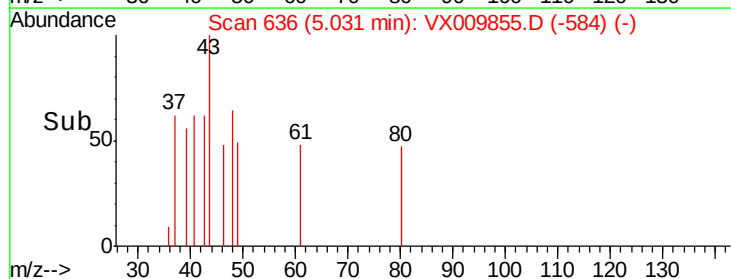
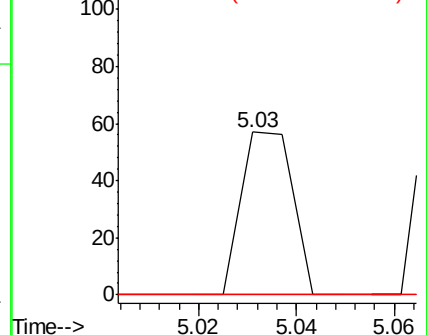
130 0.0 51.2 76.8#

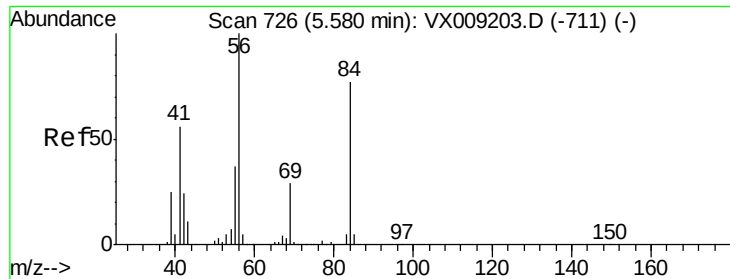


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

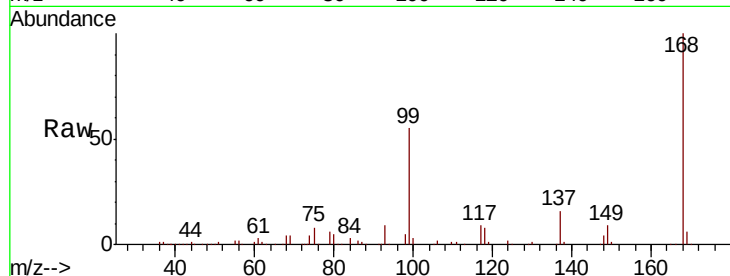




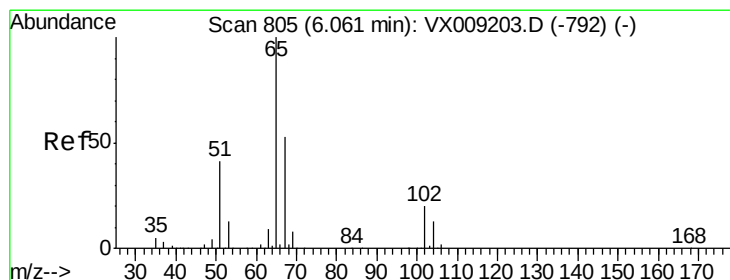
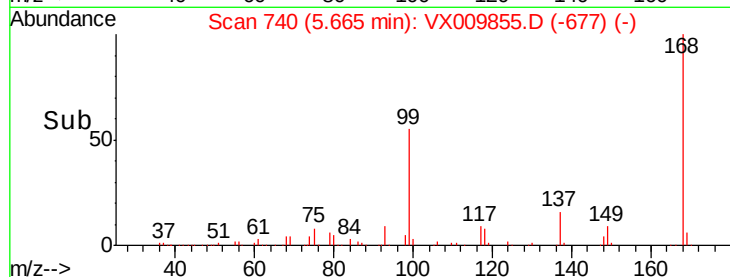
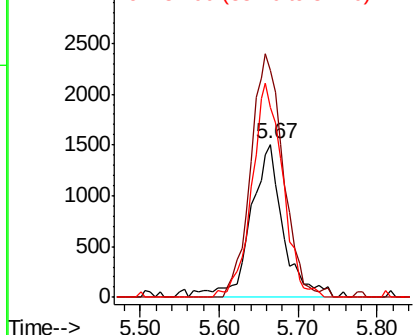
#31
Cyclohexane
Concen: 1.210 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009855.D
Acq: 23 May 2019 13:57

Instrument :
MSVOA_X
ClientSampleId :
S36-TB-2019-2

Tot Ion: 56 Resp: 4297
Ion Ratio Lower Upper
56 100
69 148.6 23.4 35.0#
84 124.6 61.9 92.9#

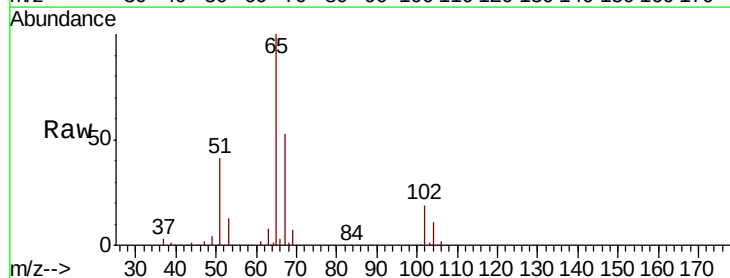


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

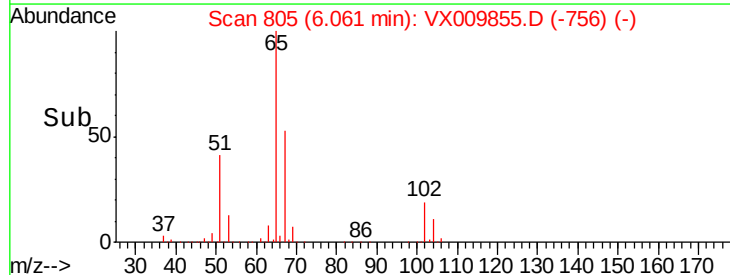
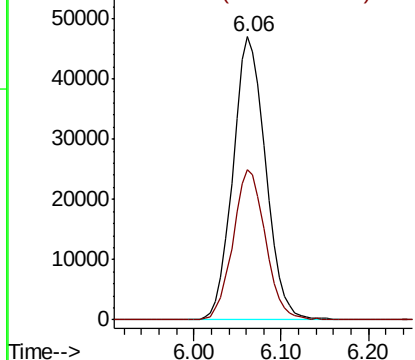


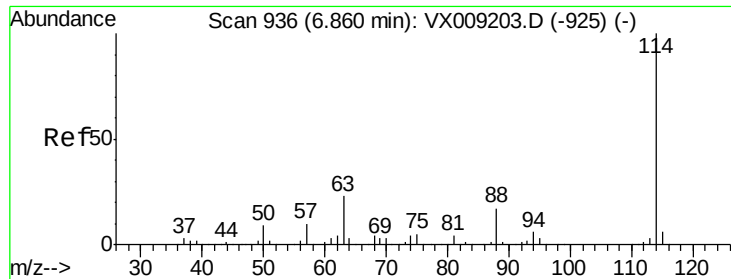
#33
1,2-Dichloroethane-d4
Concen: 50.809 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009855.D
Acq: 23 May 2019 13:57

Tgt Ion: 65 Resp: 122021
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

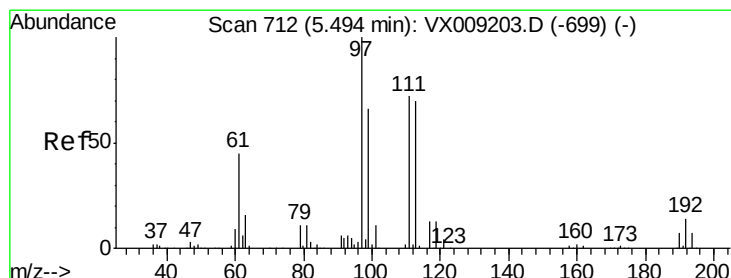
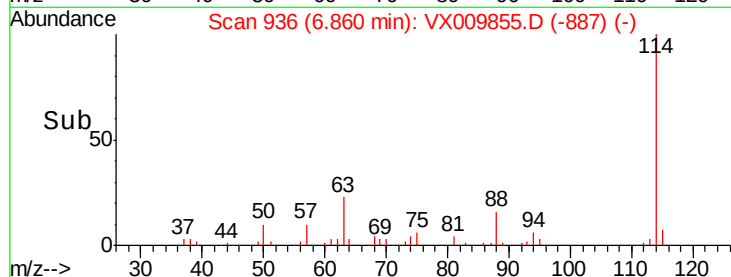
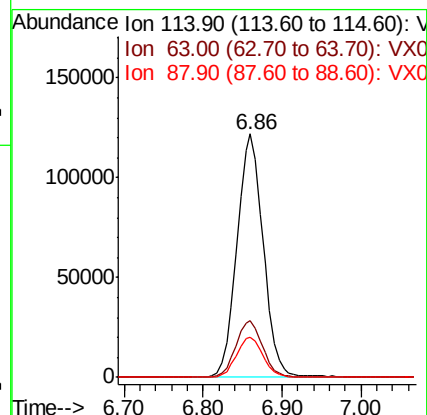
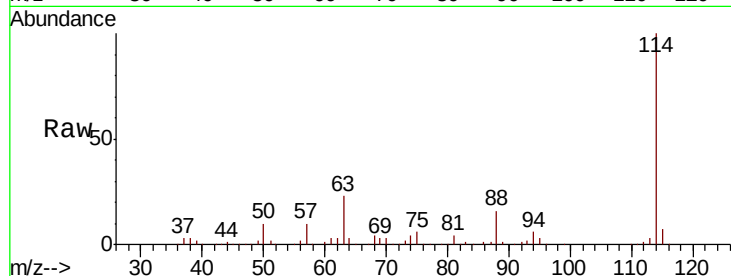




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009855.D
 Acq: 23 May 2019 13:57

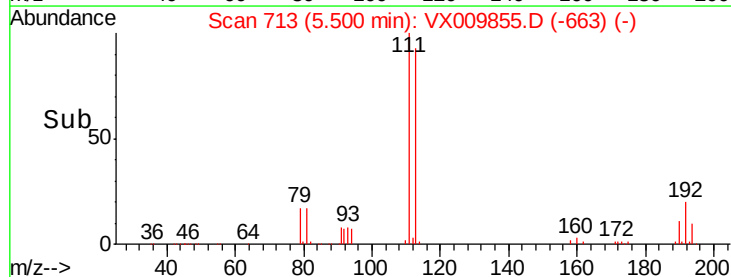
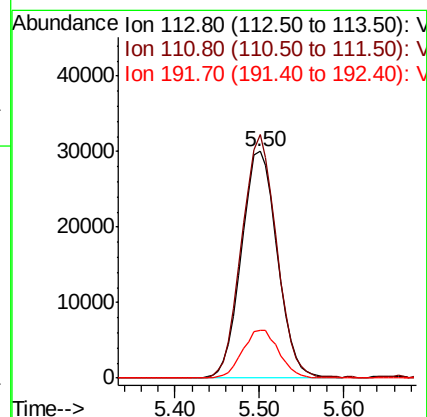
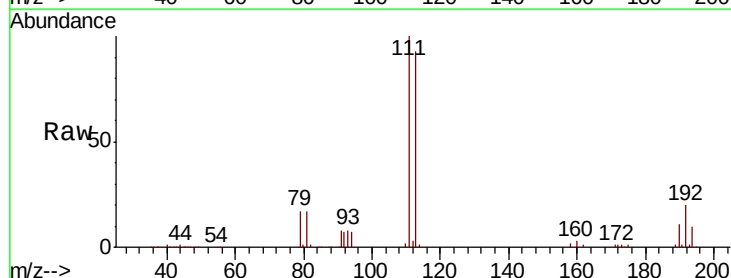
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-TB-2019-2

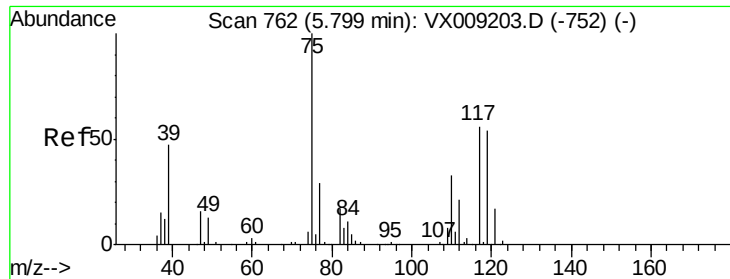
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	45.6
88	16.3	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 48.822 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009855.D
 Acq: 23 May 2019 13:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.8	124.2
192	21.5	17.0	25.6

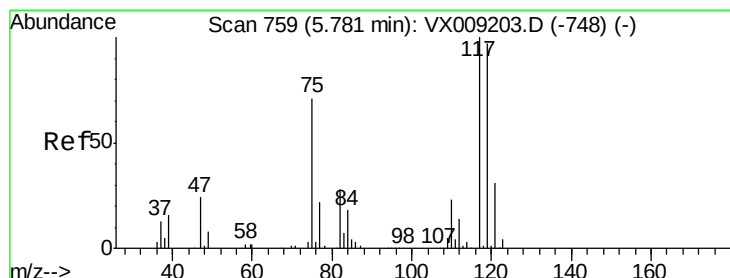
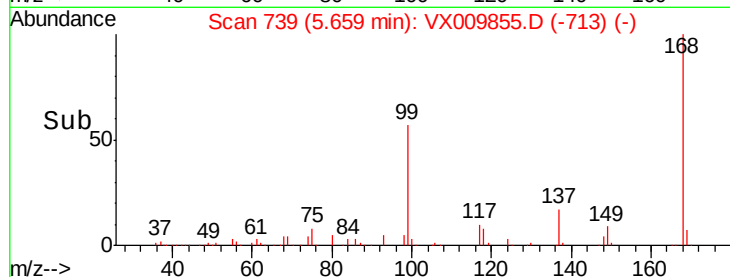
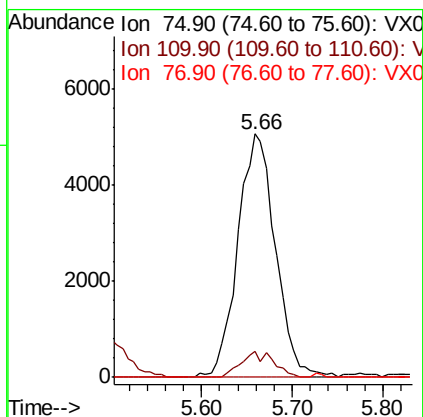
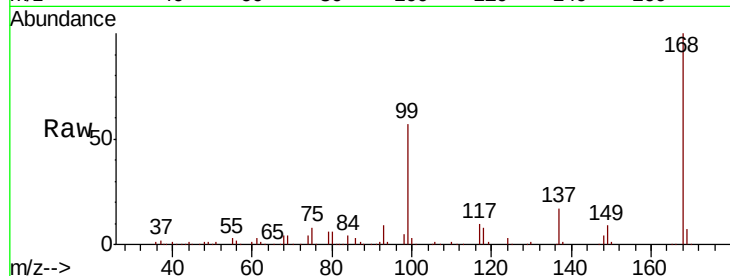




#36
 1,1-Dichloropropene
 Concen: 5.523 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009855.D
 Acq: 23 May 2019 13:57

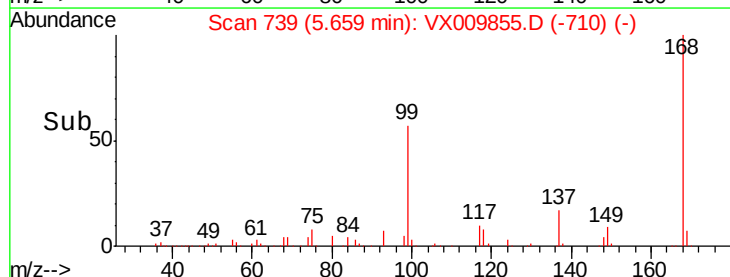
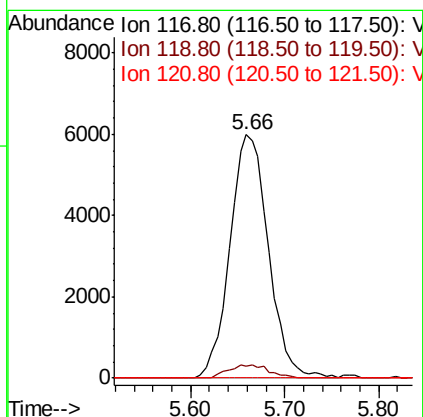
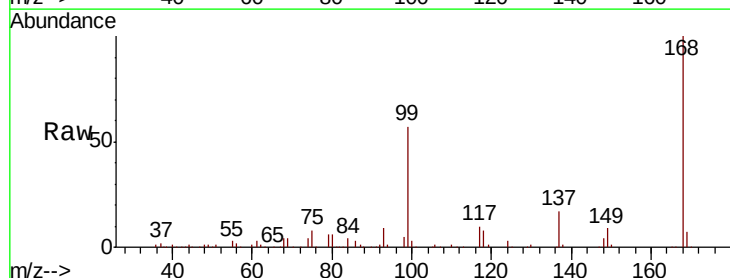
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-TB-2019-2

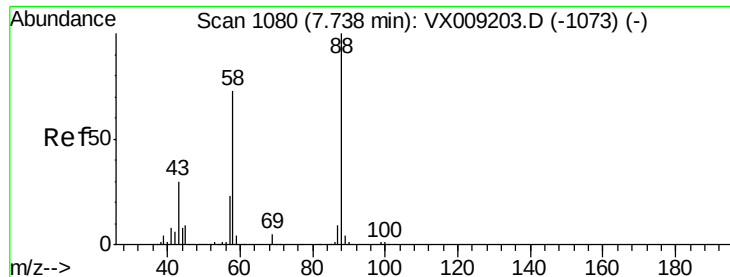
Tot Ion	75	Resp	14520
Ion Ratio	100	Lower	Upper
110	9.1	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.126 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009855.D
 Acq: 23 May 2019 13:57

Tgt Ion	117	Resp	17020
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	5.1	77.5	116.3#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 0.390 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. 0.11 min

Lab File: VX009855.D

Acq: 23 May 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

S36-TB-2019-2

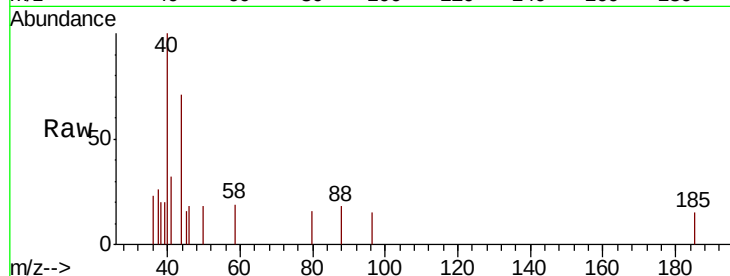
Tot Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

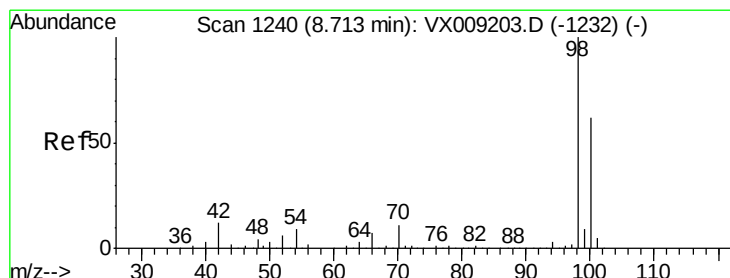
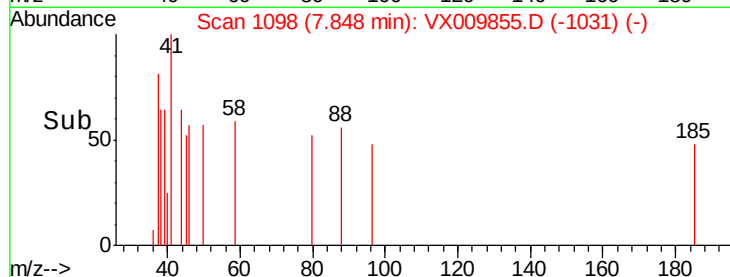
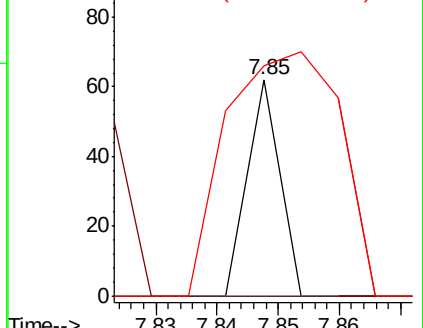
58 391.3 61.7 92.5#



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: 49.912 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009855.D

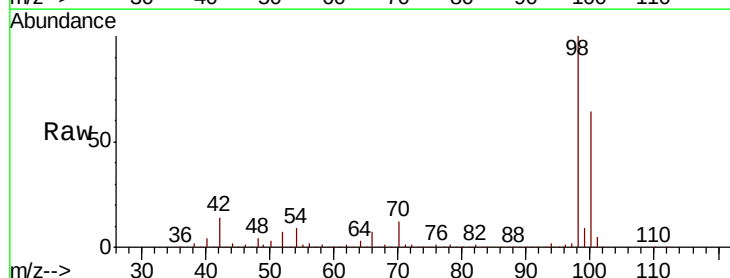
Acq: 23 May 2019 13:57

Tgt Ion: 98 Resp: 358360

Ion Ratio Lower Upper

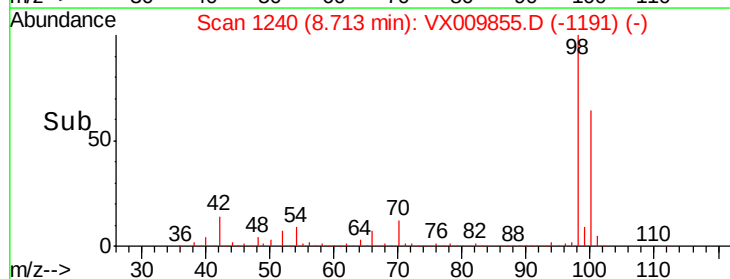
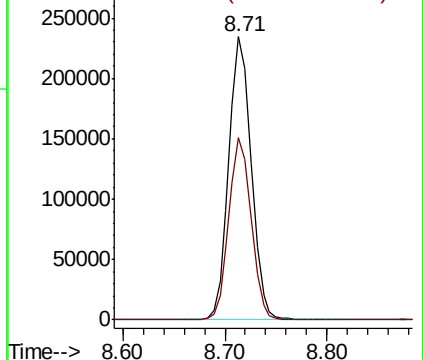
98 100

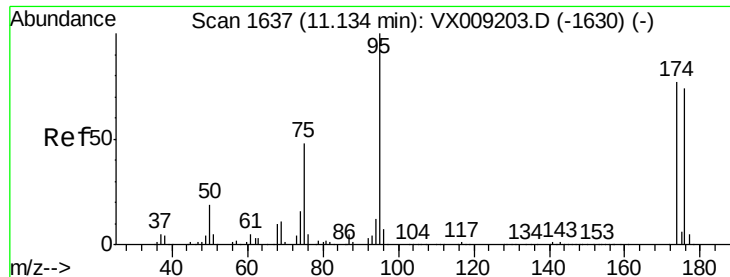
100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

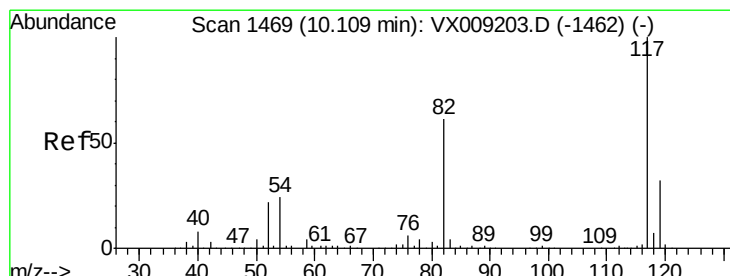
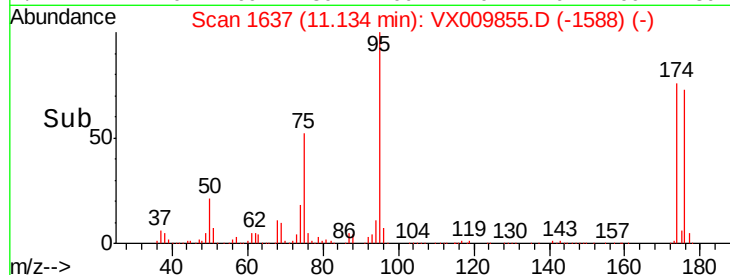
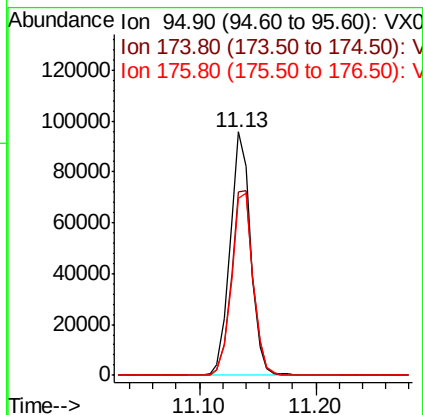
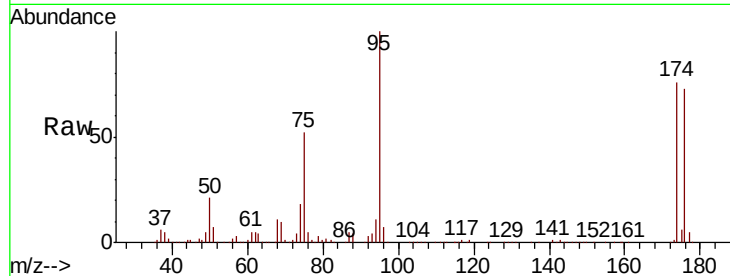




#62
4-Bromofluorobenzene
Concen: 44.962 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009855.D
Acq: 23 May 2019 13:57

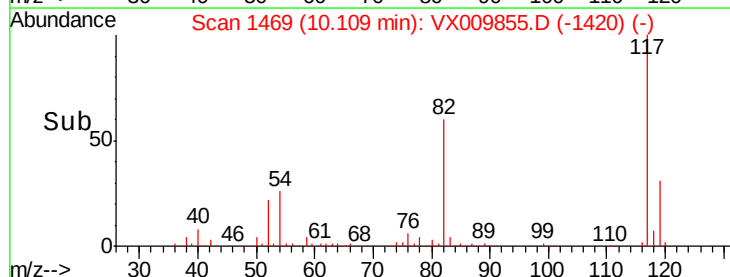
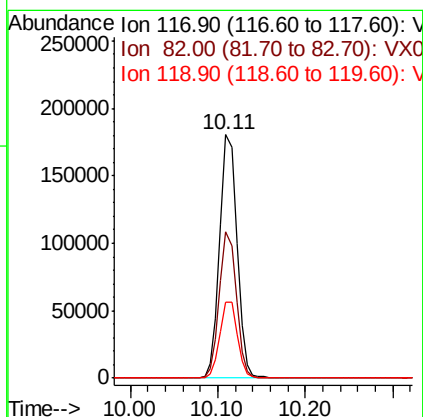
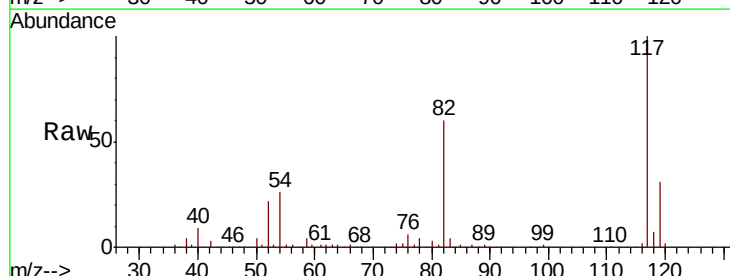
Instrument :
MSVOA_X
ClientSampleId :
S36-TB-2019-2

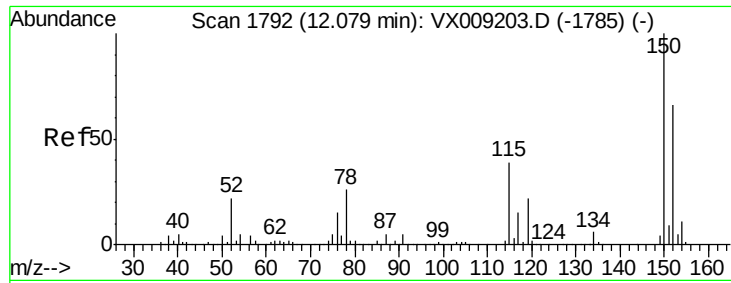
Tot Ion: 95 Resp: 117301
Ion Ratio Lower Upper
95 100
174 80.5 0.0 161.6
176 78.3 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009855.D
Acq: 23 May 2019 13:57

Tgt Ion: 117 Resp: 248203
Ion Ratio Lower Upper
117 100
82 60.1 48.8 73.2
119 31.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009855.D

Acq: 23 May 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

S36-TB-2019-2

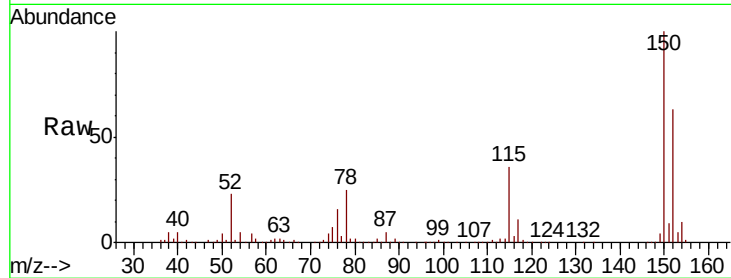
Tot Ion:152 Resp: 101646

Ion Ratio Lower Upper

152 100

115 59.4 41.2 123.6

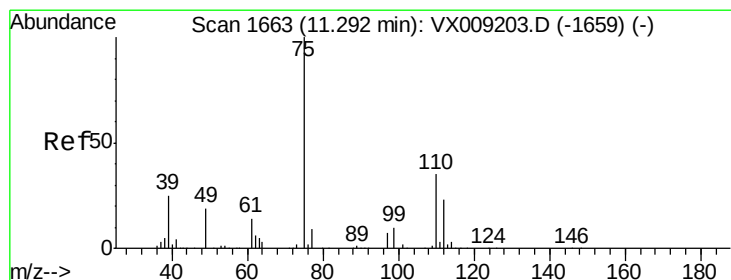
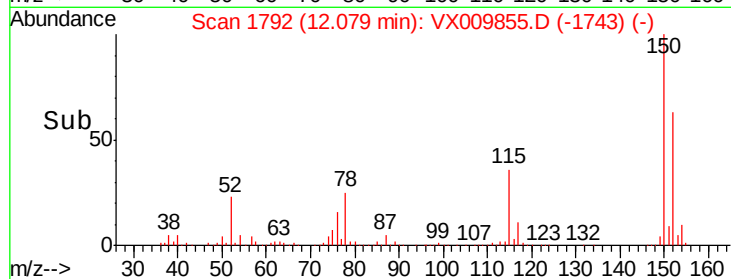
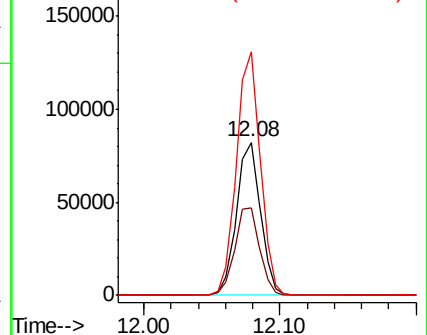
150 158.1 0.0 346.4



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: 25.663 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009855.D

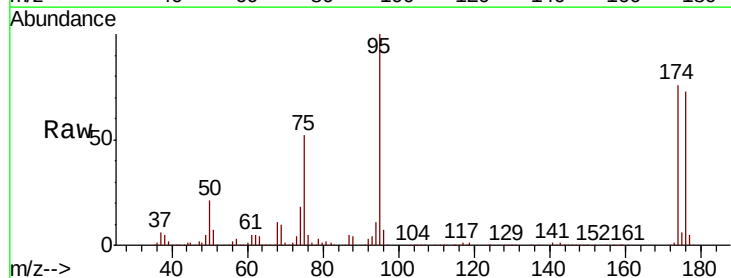
Acq: 23 May 2019 13:57

Tgt Ion: 75 Resp: 60508

Ion Ratio Lower Upper

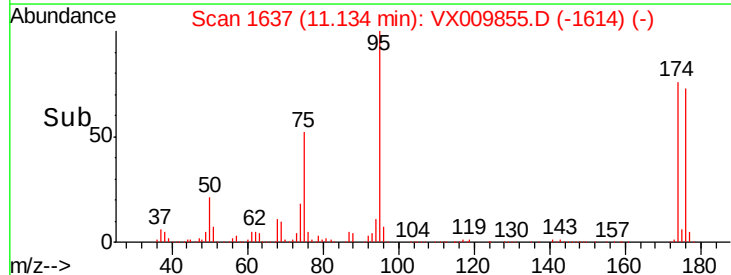
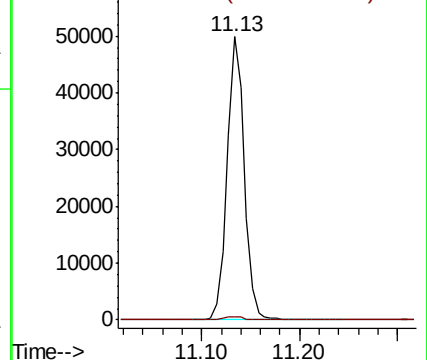
75 100

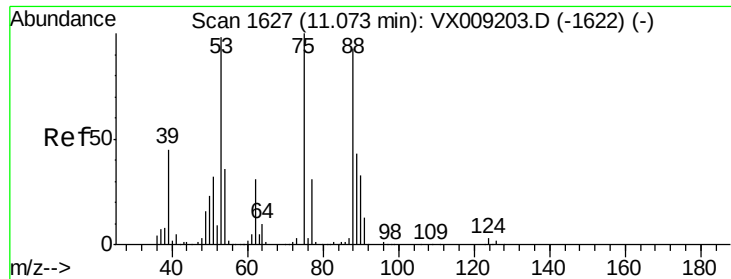
77 1.2 22.1 66.1#



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: 65.662 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009855.D

Acq: 23 May 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

S36-TB-2019-2

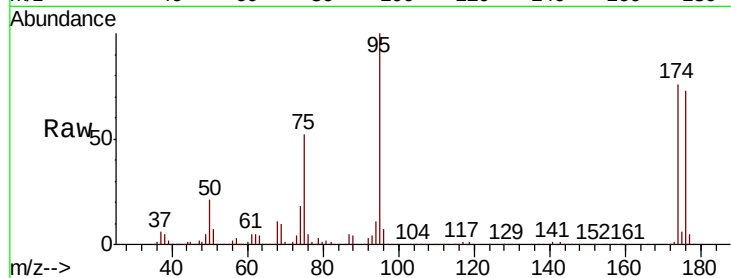
Tot Ion: 75 Resp: 60508

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

