

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041919\
 Data File : VX009066.D
 Acq On : 19 Apr 2019 13:33
 Operator : JC/SP
 Sample : K2449-11DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW146-190416DL

Quant Time: Apr 20 00:38:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	234474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	380791	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	330641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139127	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	156854	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
35) Dibromofluoromethane	5.50	113	116235	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
50) Toluene-d8	8.71	98	473765	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	11.13	95	155544	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	

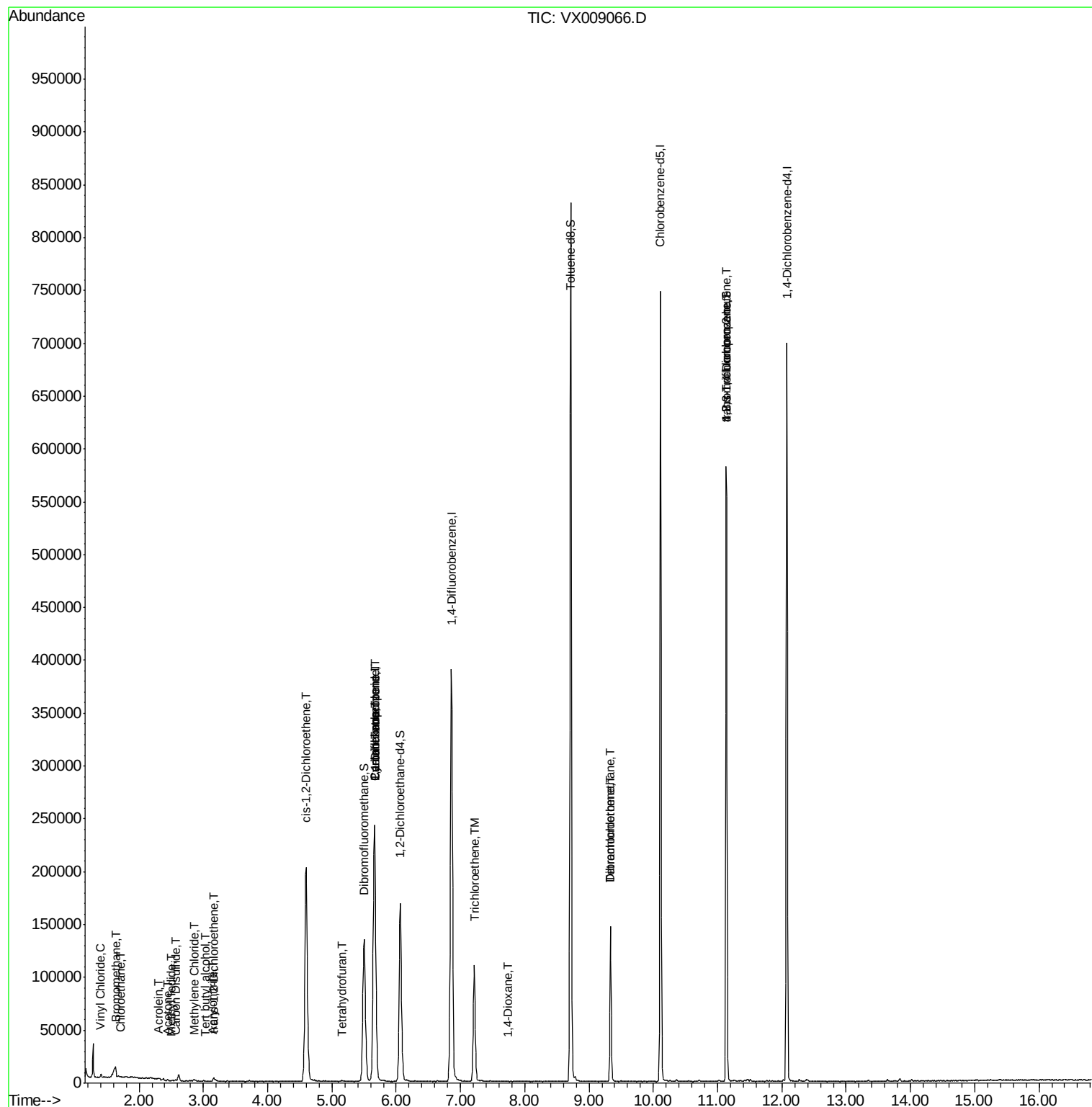
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2305	0.714	ug/l	90
5) Bromomethane	1.64	94	874	4.248	ug/l	100
6) Chloroethane	1.71	64	839	0.442	ug/l #	60
10) Methyl Iodide	2.51	142	680	4.650	ug/l #	97
11) Tert butyl alcohol	3.02	59	551	0.751	ug/l #	72
13) Acrolein	2.29	56	406	0.641	ug/l	84
15) Acrylonitrile	3.15	53	816	0.438	ug/l #	64
16) Acetone	2.45	43	1719	1.003	ug/l	90
17) Carbon Disulfide	2.57	76	1658	1.471	ug/l #	92
20) Methylene Chloride	2.85	84	758	0.259	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	1121	0.418	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	125236	41.128	ug/l	92
28) Bromochloromethane	5.01	49	102	Below Cal	#	21
29) Tetrahydrofuran	5.15	42	1176	0.641	ug/l #	72
31) Cyclohexane	5.67	56	5544	1.053	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19134	4.859	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22373	6.701	ug/l #	18
44) Trichloroethene	7.21	130	40994	14.401	ug/l	100
49) 1,4-Dioxane	7.74	88	20	0.265	ug/l #	1
60) Dibromochloromethane	9.34	129	25860	9.778	ug/l #	10
64) Tetrachloroethene	9.34	164	27330	10.881	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	79429	23.381	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	79429	60.025	ug/l #	11

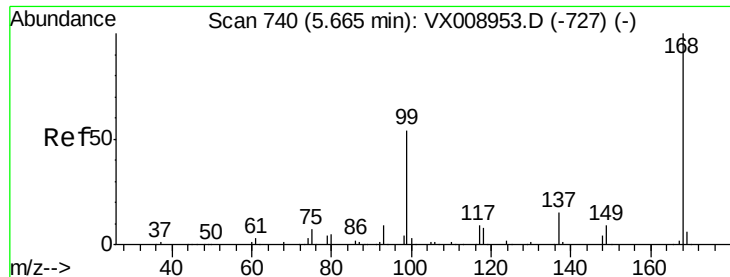
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 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: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

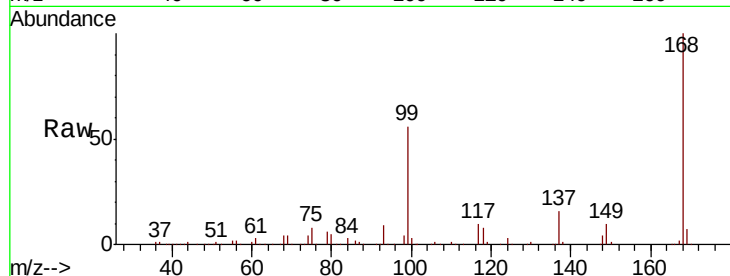
ST008MW146-190416DL

Tot Ion:168 Resp: 234474

Ion Ratio Lower Upper

168 100

99 55.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

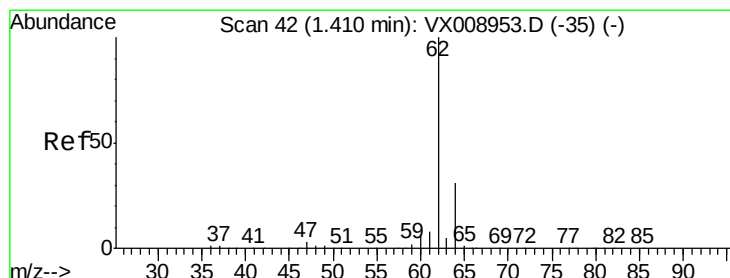
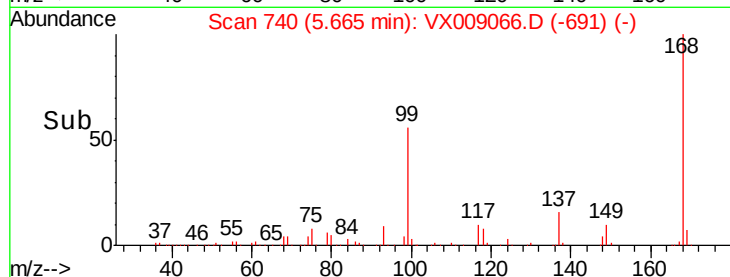
40000

20000

0

5.60 5.70 5.80

Time-->



#4

Vinyl Chloride

Concen: 0.714 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009066.D

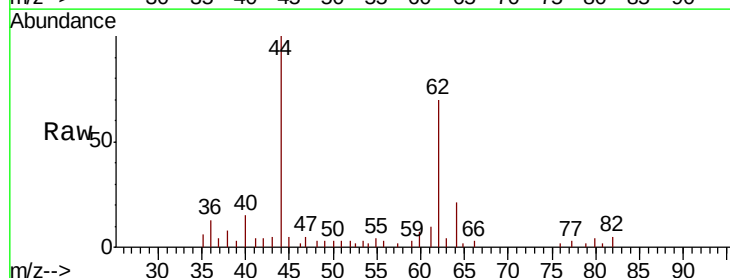
Acq: 19 Apr 2019 13:33

Tgt Ion: 62 Resp: 2305

Ion Ratio Lower Upper

62 100

64 26.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

2000

1500

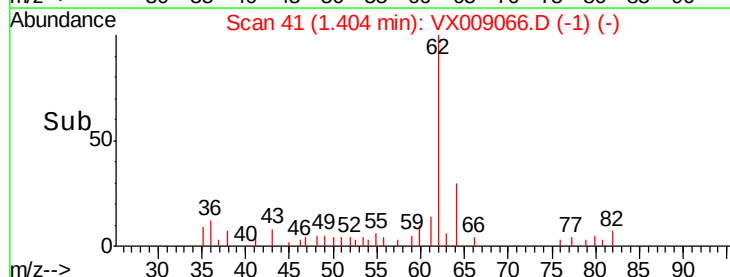
1000

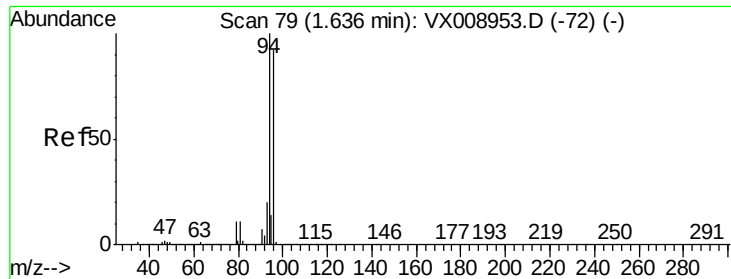
500

0

1.40 1.45

Time-->





#5

Bromomethane

Concen: 4.248 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

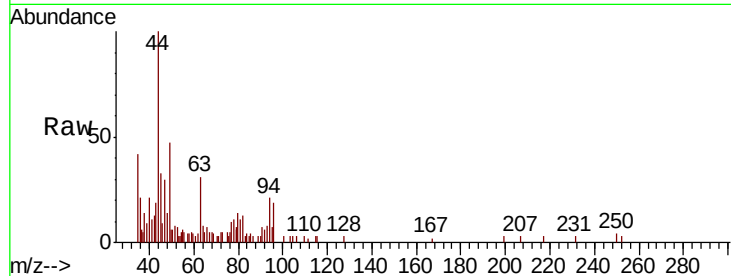
ST008MW146-190416DL

Tot Ion: 94 Resp: 874

Ion Ratio Lower Upper

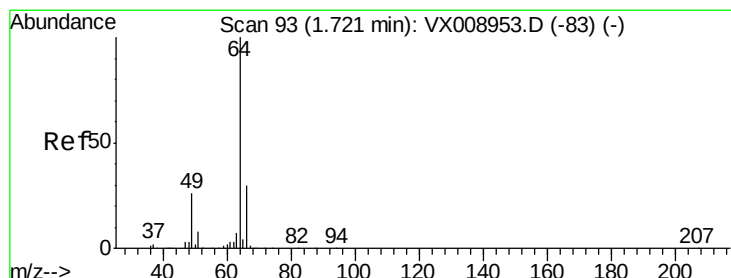
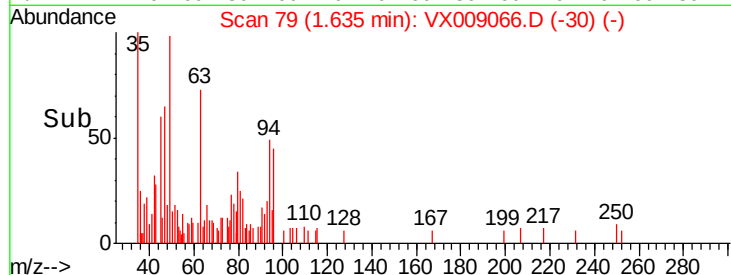
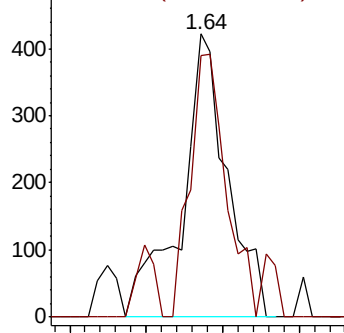
94 100

96 92.2 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.442 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009066.D

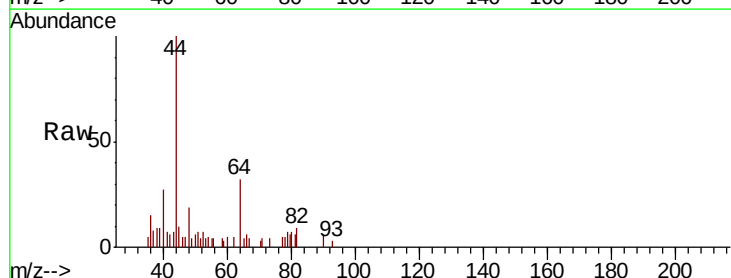
Acq: 19 Apr 2019 13:33

Tgt Ion: 64 Resp: 839

Ion Ratio Lower Upper

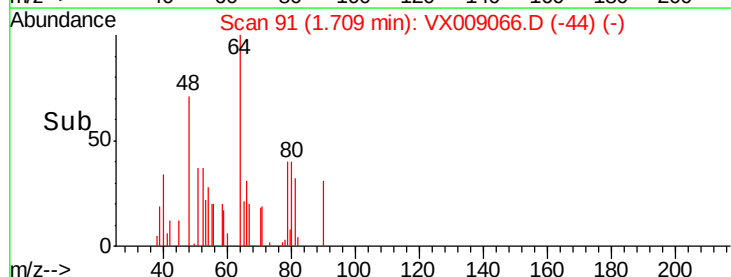
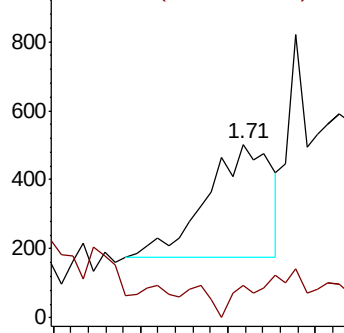
64 100

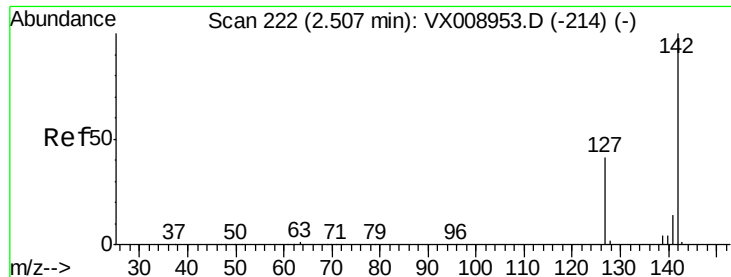
66 8.6 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

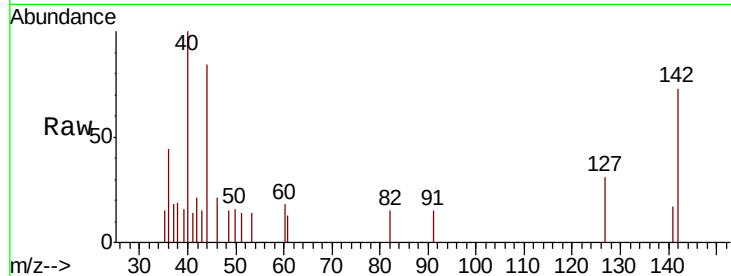




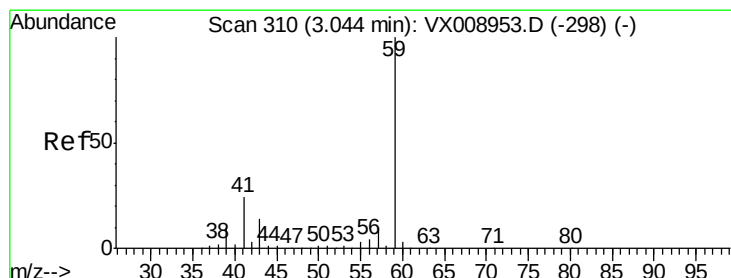
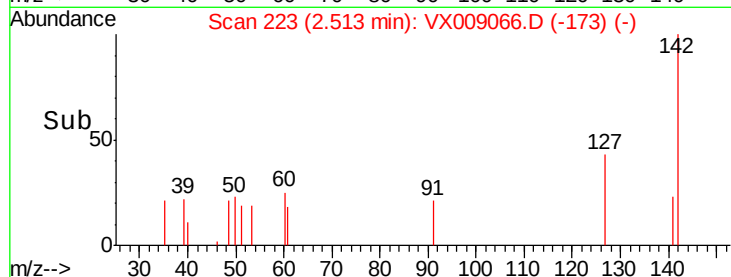
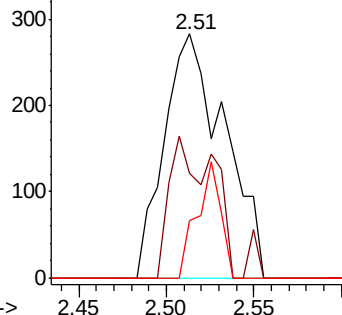
#10
Methvl Iodide
Concen: 4.650 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009066.D
Acq: 19 Apr 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ST008MW146-190416DL

Tot Ion:142 Resp: 680
Ion Ratio Lower Upper
142 100
127 41.5 32.8 49.2
141 18.7 11.4 17.2#

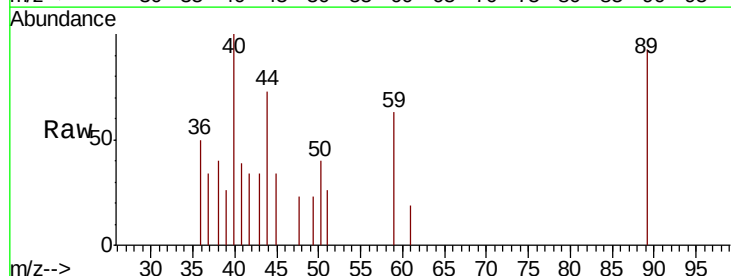


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

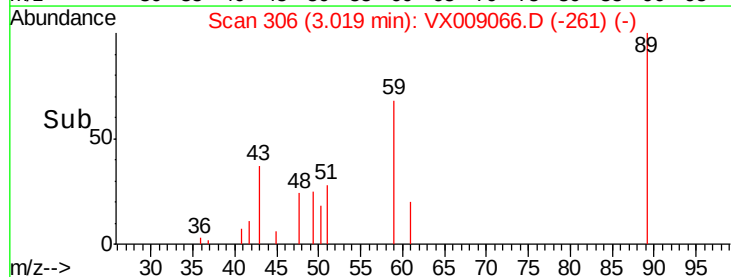
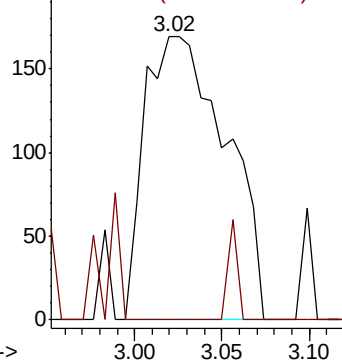


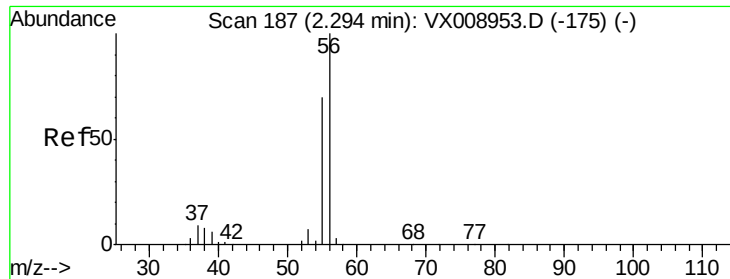
#11
Tert butyl alcohol
Concen: 0.751 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX009066.D
Acq: 19 Apr 2019 13:33

Tgt Ion: 59 Resp: 551
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.641 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

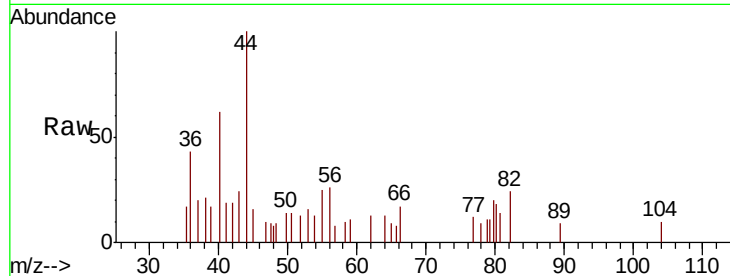
ST008MW146-190416DL

Tot Ion: 56 Resp: 406

Ion Ratio Lower Upper

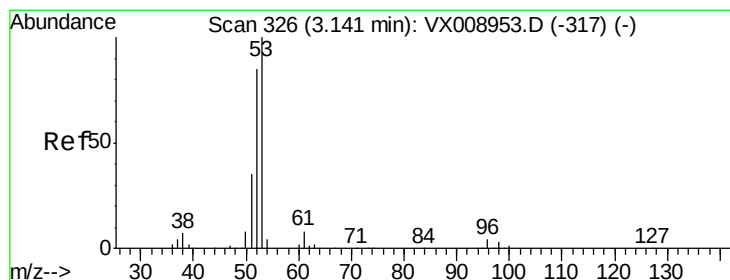
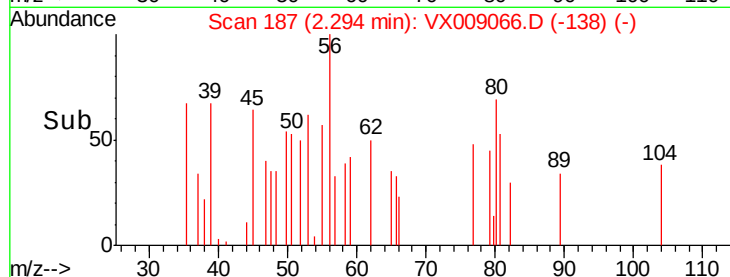
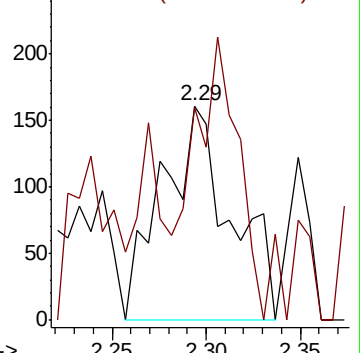
56 100

55 83.7 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.438 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

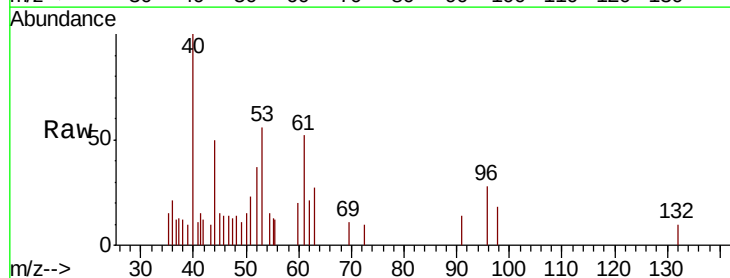
Tgt Ion: 53 Resp: 816

Ion Ratio Lower Upper

53 100

52 44.0 66.6 100.0#

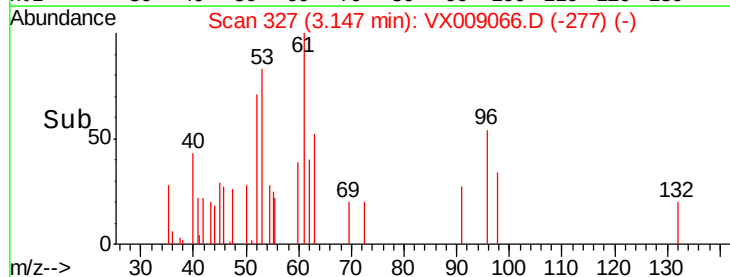
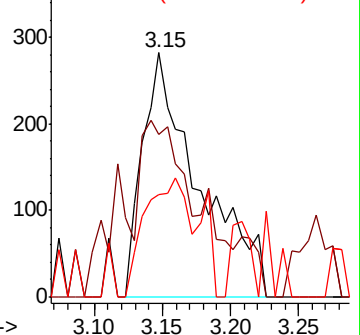
51 46.1 28.3 42.5#

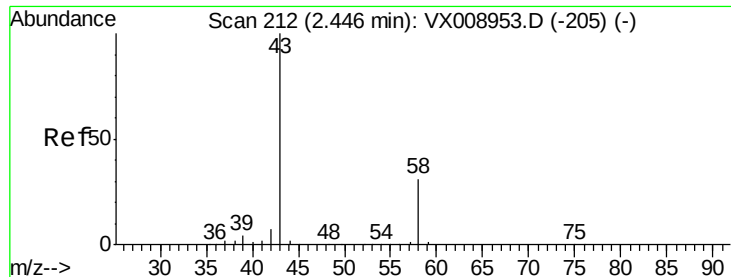


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.003 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

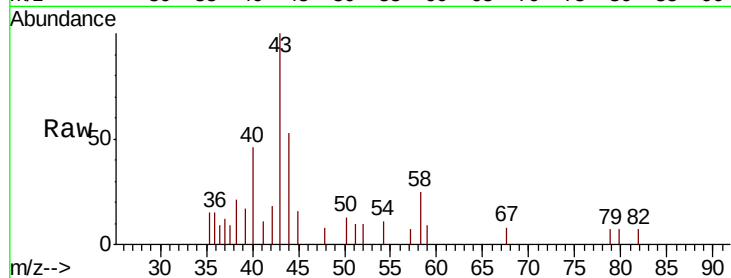
ST008MW146-190416DL

Tot Ion: 43 Resp: 1719

Ion Ratio Lower Upper

43 100

58 25.5 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

800

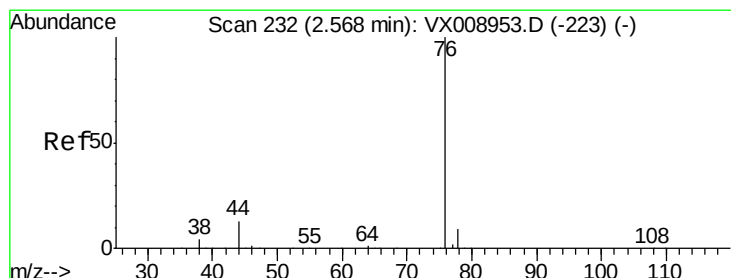
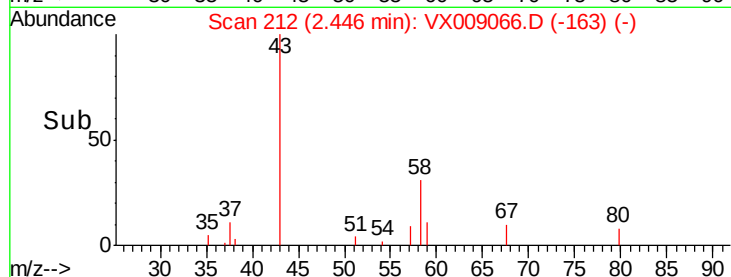
600

400

200

0

Time-->



#17

Carbon Disulfide

Concen: 1.471 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009066.D

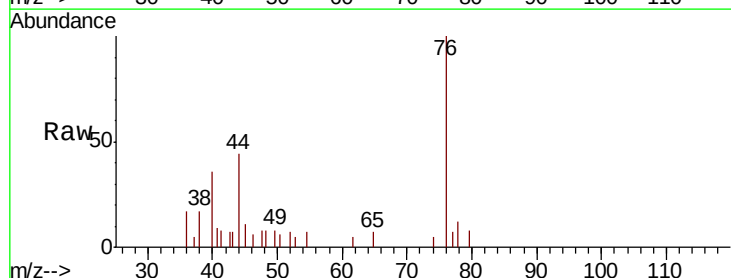
Acq: 19 Apr 2019 13:33

Tgt Ion: 76 Resp: 1658

Ion Ratio Lower Upper

76 100

78 11.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1200

1000

800

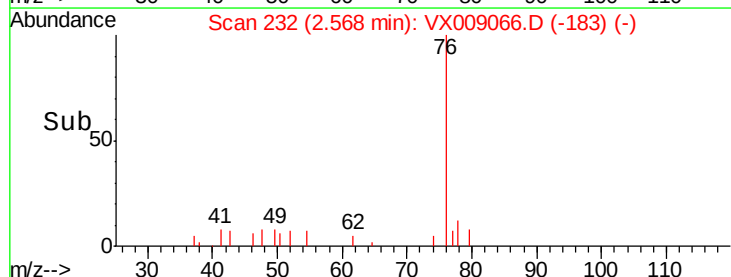
600

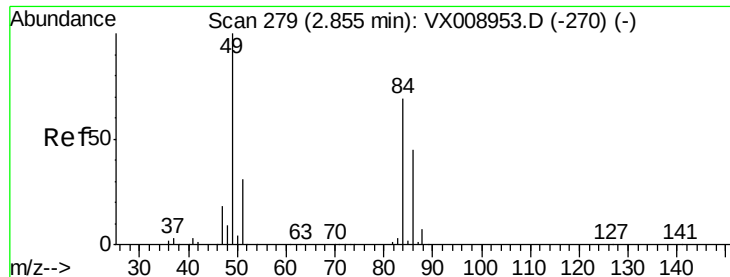
400

200

0

Time-->





#20

Methylene Chloride

Concen: 0.259 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ST008MW146-190416DL

Tot Ion: 84 Resp: 758

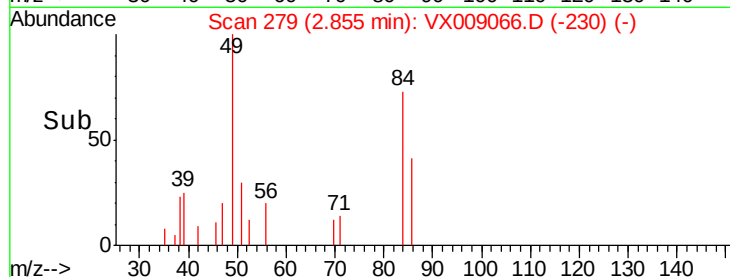
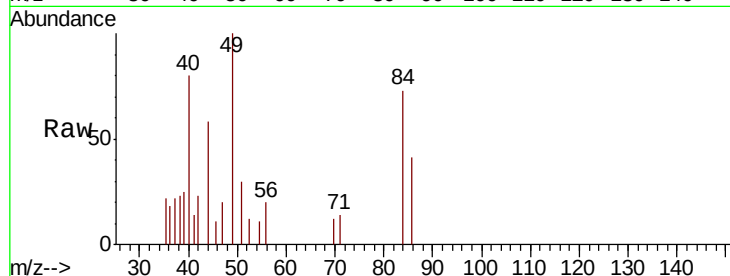
Ion Ratio Lower Upper

84 100

49 136.4 115.4 173.0

51 40.8 35.8 53.6

86 55.4 52.1 78.1

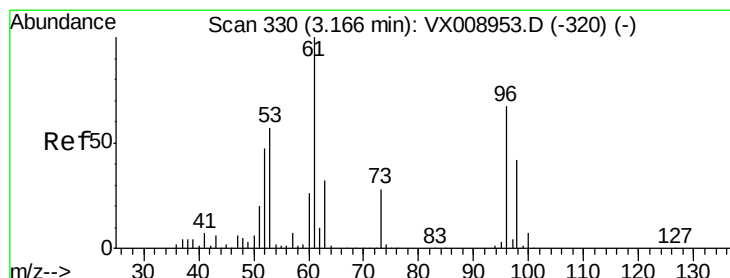
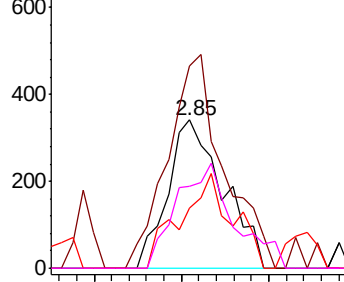


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#21

trans-1,2-Dichloroethene

Concen: 0.418 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

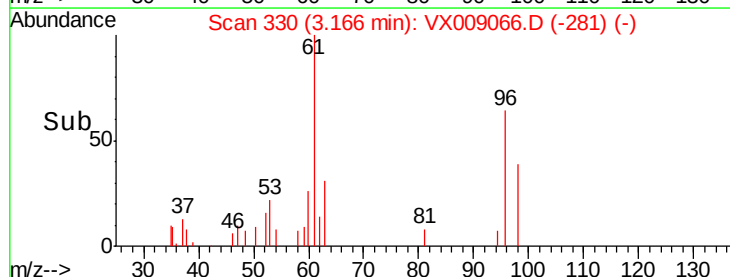
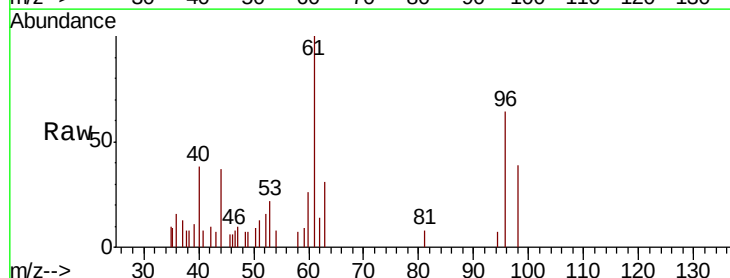
Tgt Ion: 96 Resp: 1121

Ion Ratio Lower Upper

96 100

61 156.3 120.3 180.5

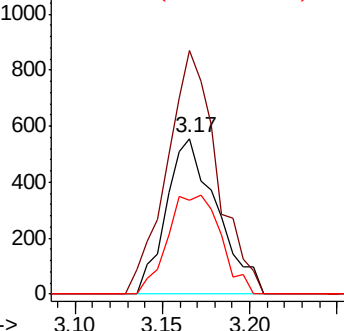
98 60.4 50.2 75.2

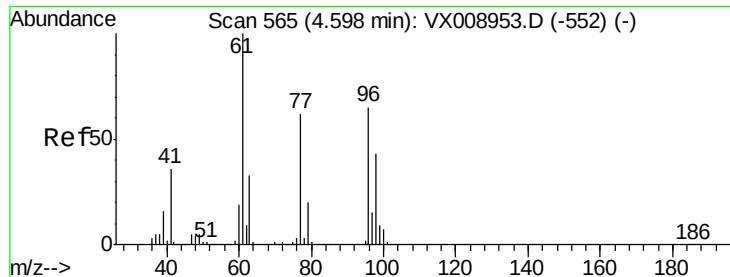


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 41.128 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ST008MW146-190416DL

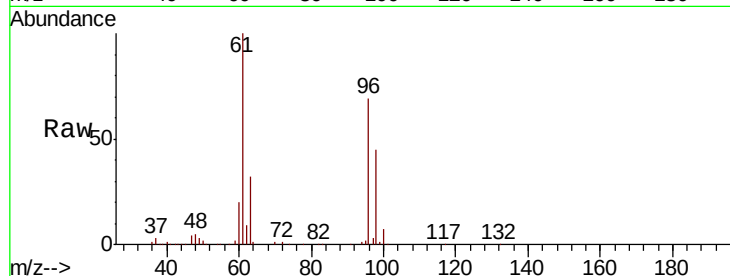
Tot Ion: 96 Resp: 125236

Ion Ratio Lower Upper

96 100

61 145.7 0.0 322.0

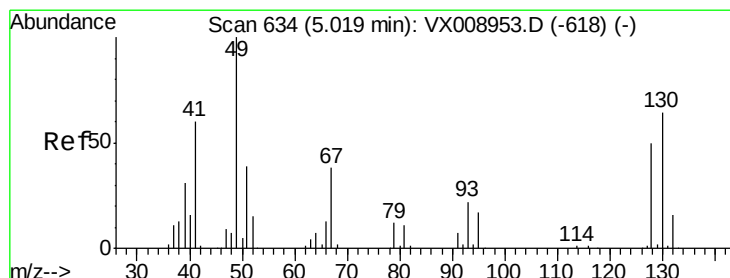
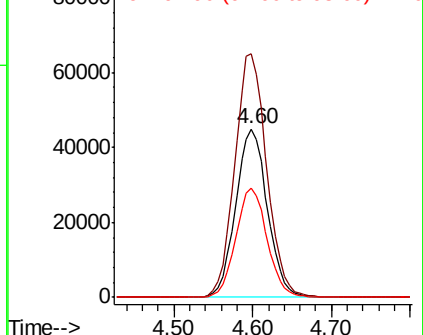
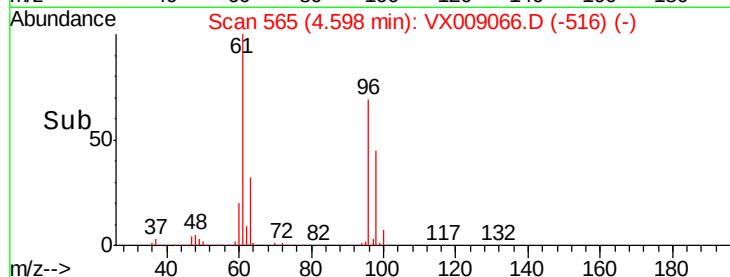
98 64.6 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

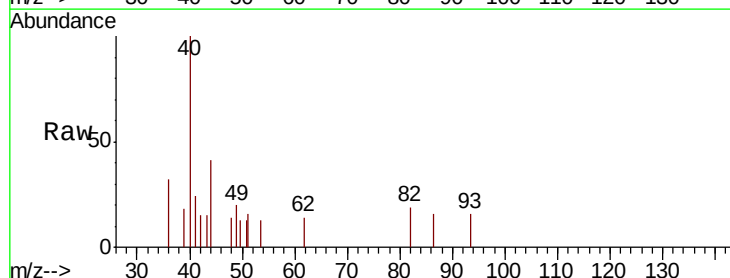
Tgt Ion: 49 Resp: 102

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

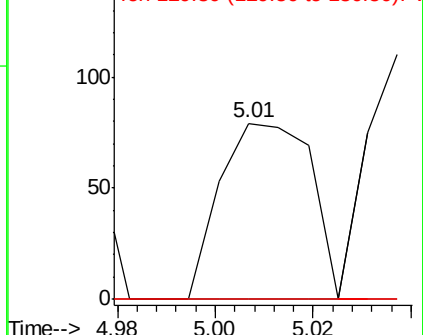
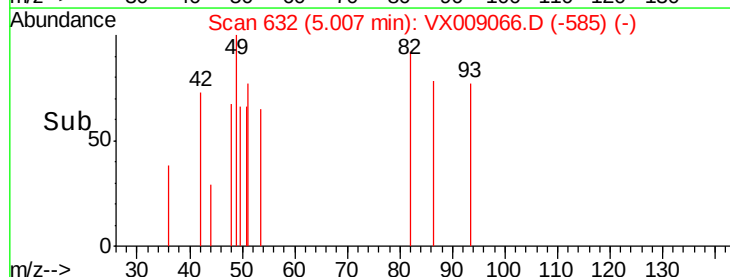
130 0.0 50.4 75.6#

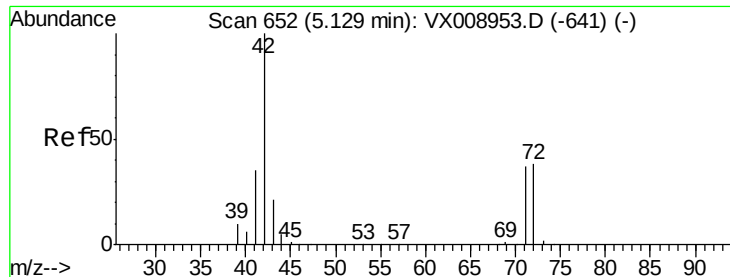


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.641 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ST008MW146-190416DL

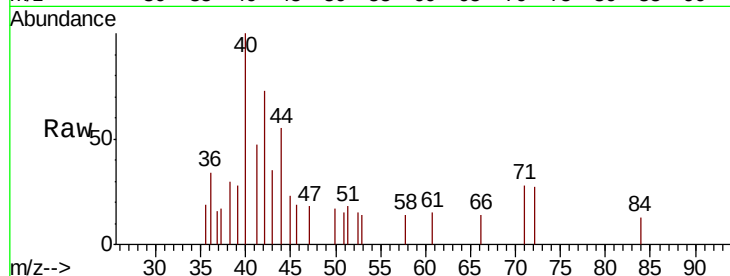
Tot Ion: 42 Resp: 1176

Ion Ratio Lower Upper

42 100

72 27.6 30.6 45.8#

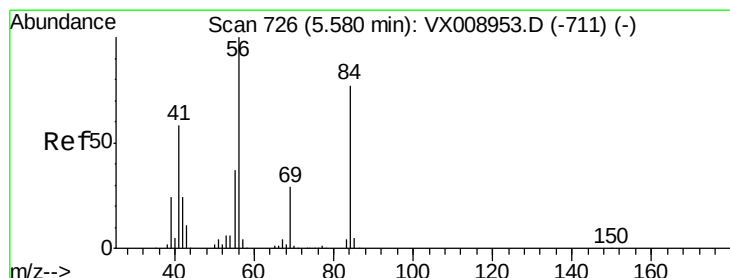
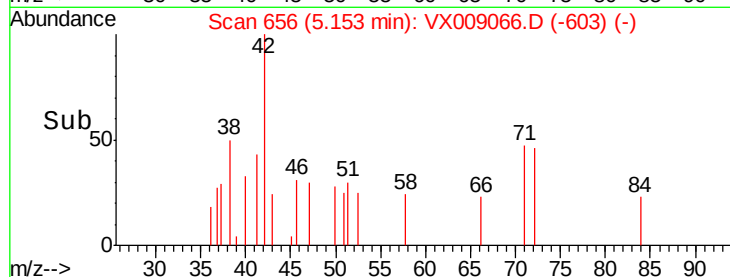
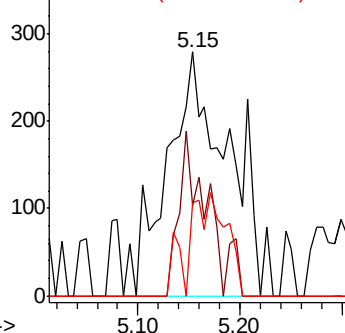
71 13.0 28.8 43.2#



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



#31

Cyclohexane

Concen: 1.053 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

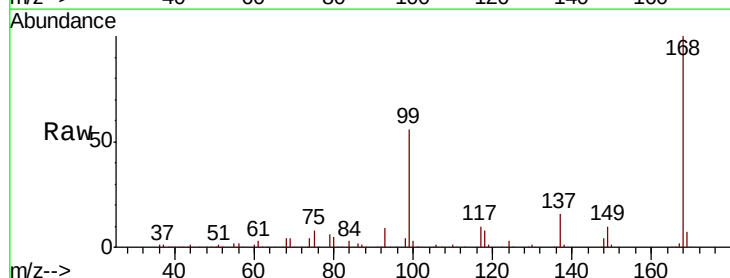
Tgt Ion: 56 Resp: 5544

Ion Ratio Lower Upper

56 100

69 162.9 23.3 34.9#

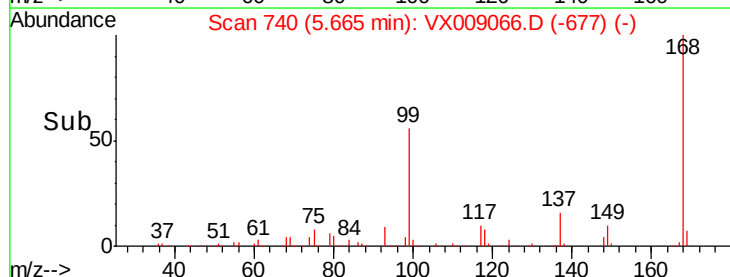
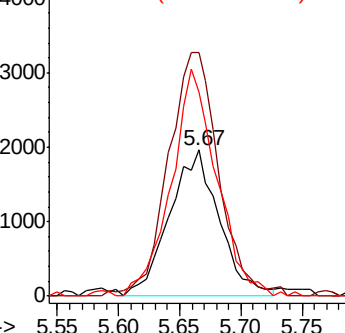
84 139.7 61.7 92.5#

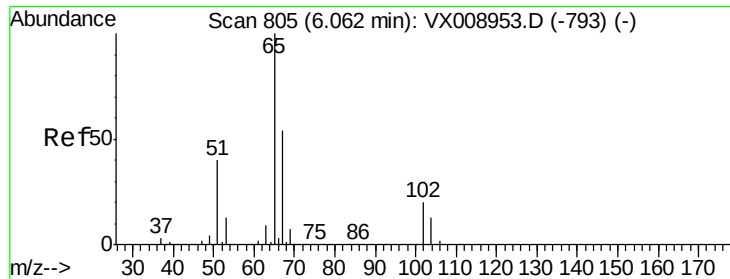


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

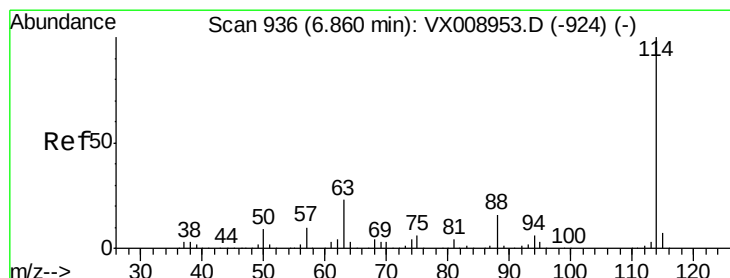
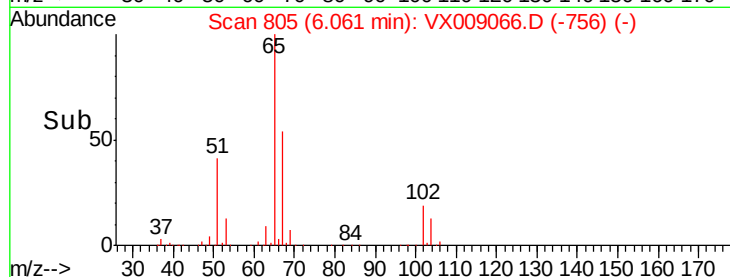
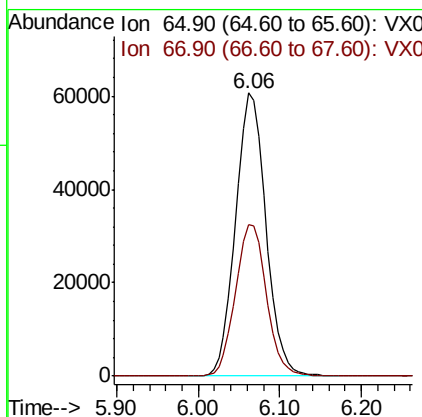
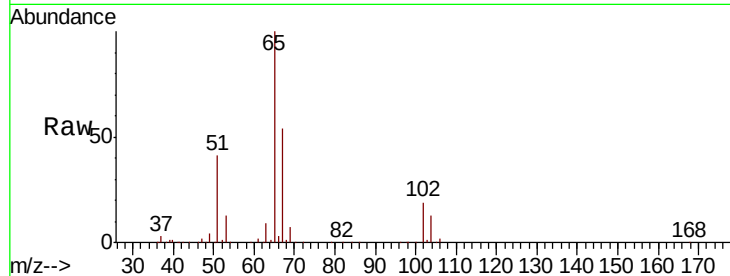




#33
 1,2-Dichloroethane-d4
 Concen: 47.468 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009066.D
 Acq: 19 Apr 2019 13:33

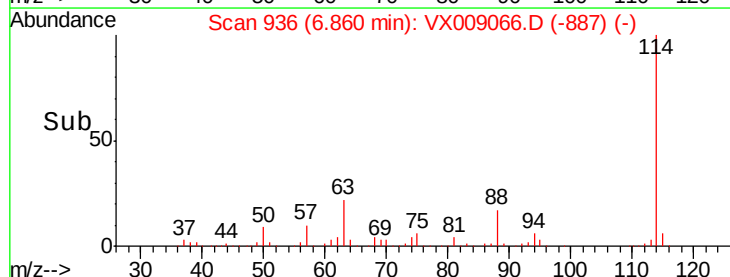
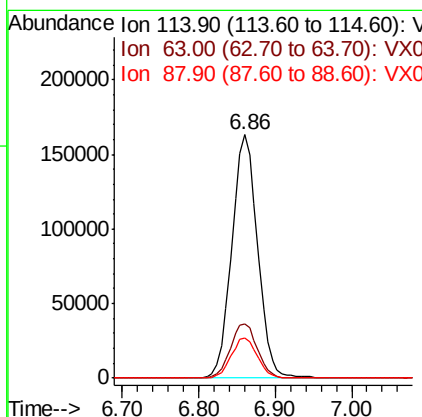
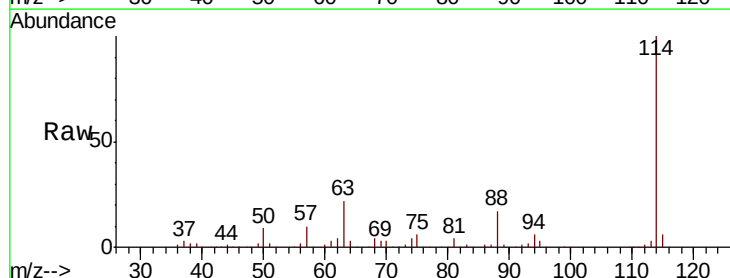
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW146-190416DL

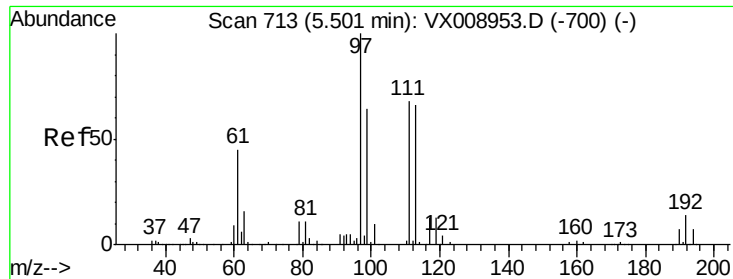
Tot Ion: 65 Resp: 156854
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009066.D
 Acq: 19 Apr 2019 13:33

Tgt Ion: 114 Resp: 380791
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 46.0
 88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.563 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ST008MW146-190416DL

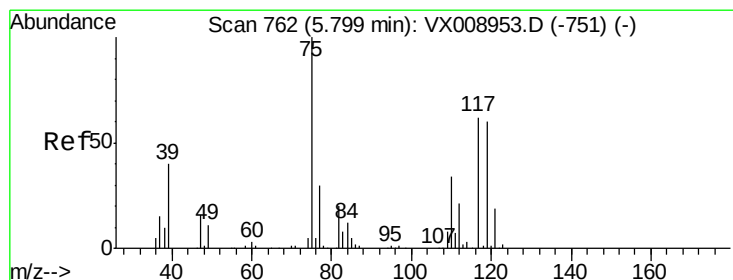
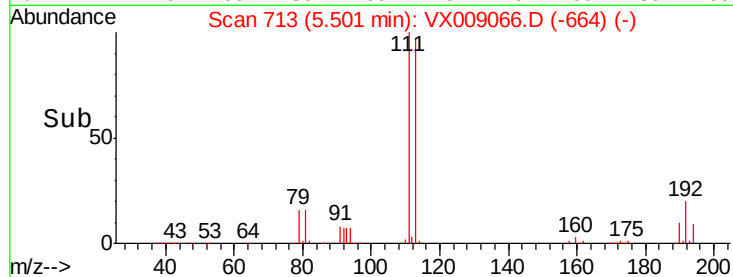
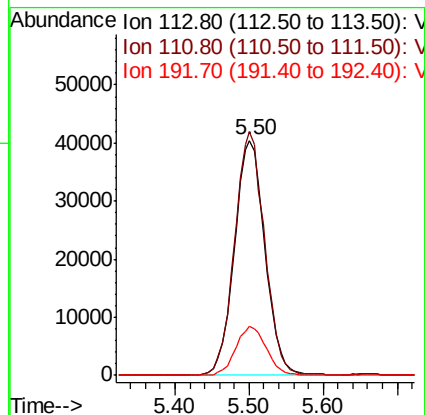
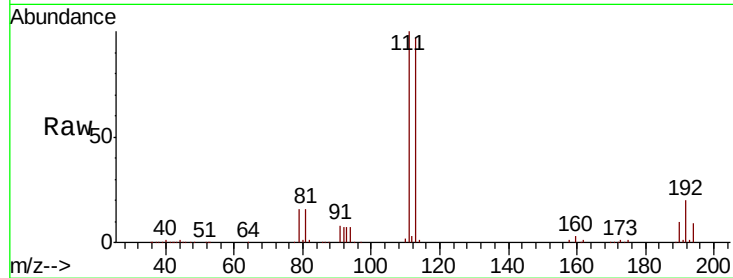
Tot Ion:113 Resp: 116235

Ion Ratio Lower Upper

113 100

111 101.9 82.9 124.3

192 20.7 17.4 26.0



#36

1,1-Dichloropropene

Concen: 4.859 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

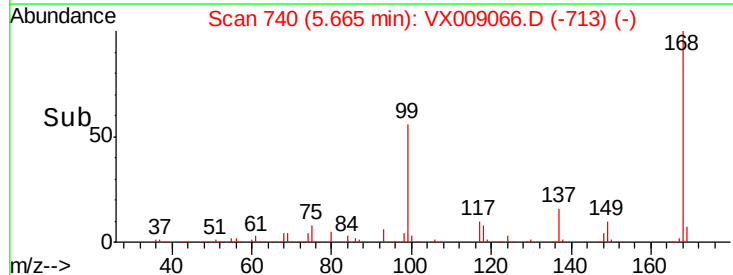
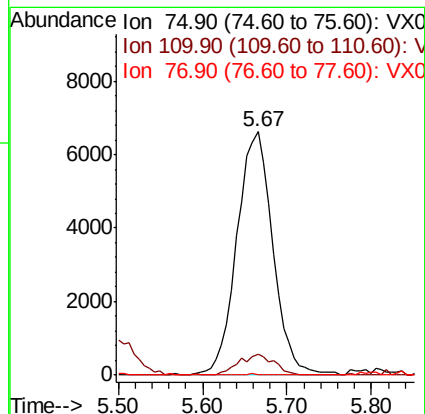
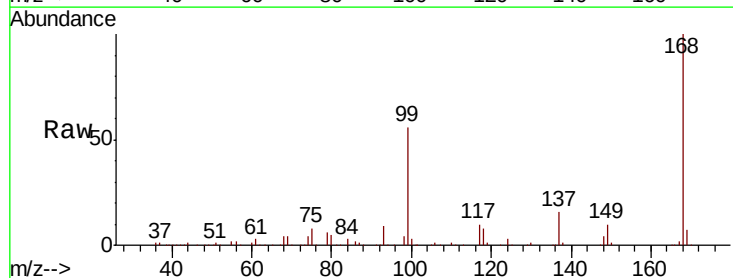
Tgt Ion: 75 Resp: 19134

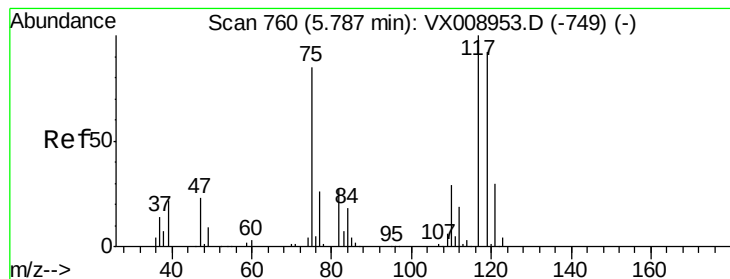
Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.7#

77 0.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.701 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ST008MW146-190416DL

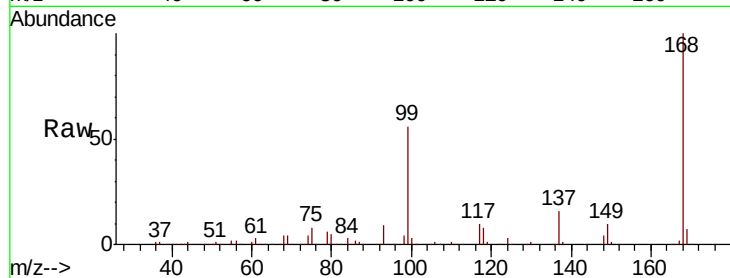
Tot Ion:117 Resp: 22373

Ion Ratio Lower Upper

117 100

119 5.3 73.8 110.8#

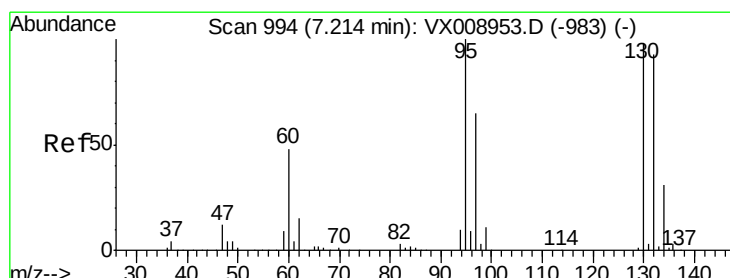
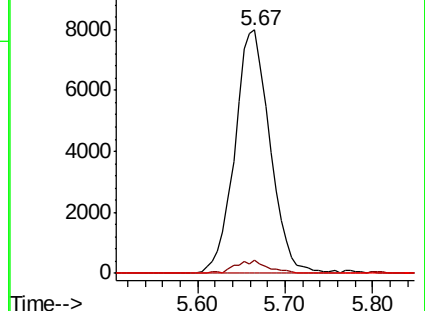
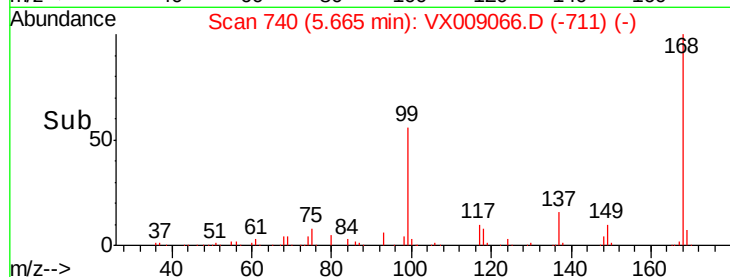
121 0.0 23.6 35.4#



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



#44

Trichloroethene

Concen: 14.401 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009066.D

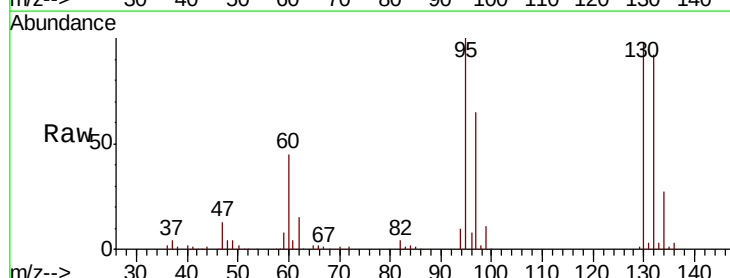
Acq: 19 Apr 2019 13:33

Tgt Ion:130 Resp: 40994

Ion Ratio Lower Upper

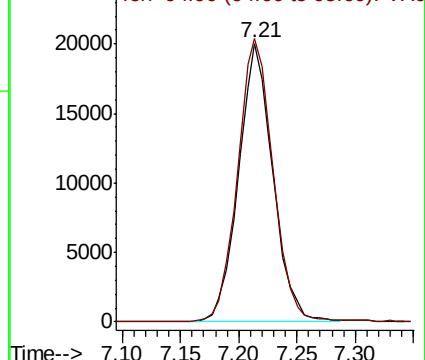
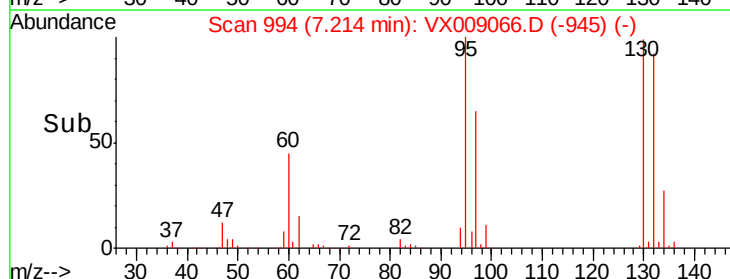
130 100

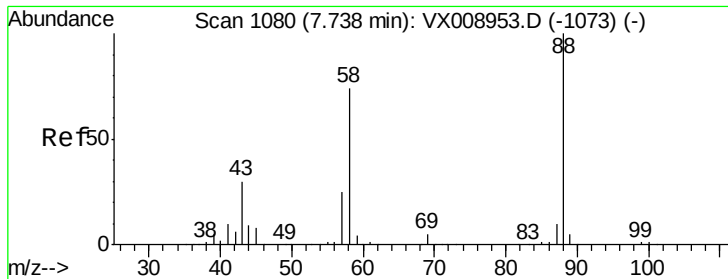
95 101.3 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

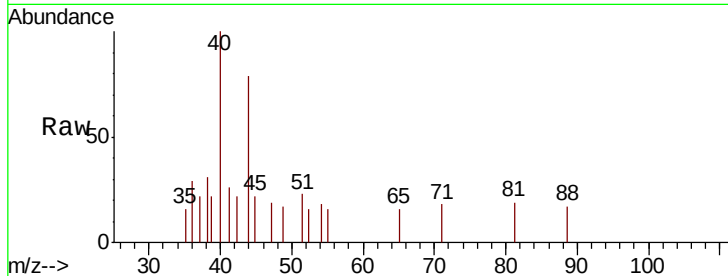




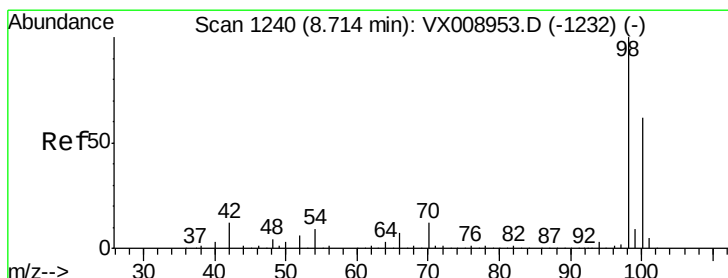
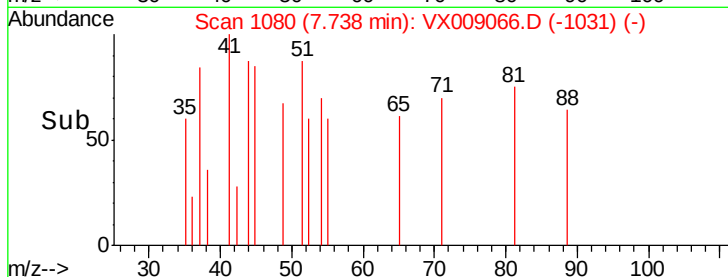
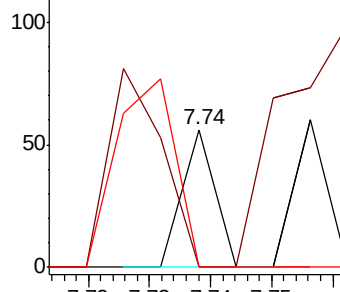
#49
1,4-Dioxane
Concen: 0.265 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009066.D
Acq: 19 Apr 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ST008MW146-190416DL

Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 245.0 29.3 43.9#
58 255.0 62.6 93.8#

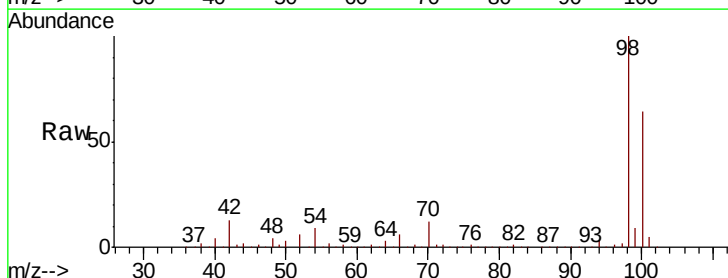


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

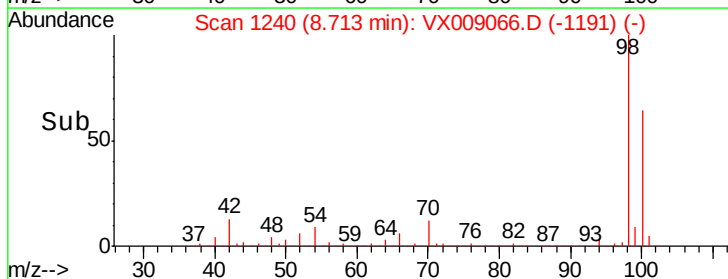
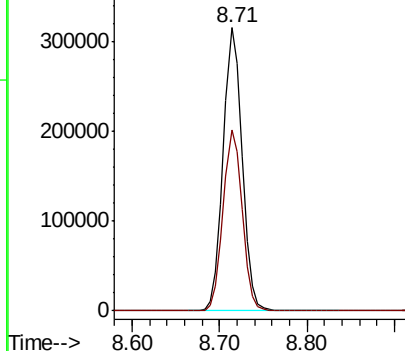


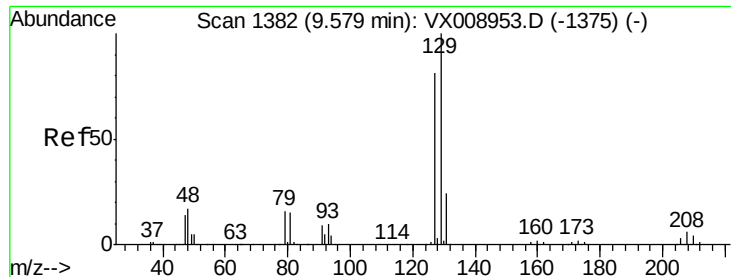
#50
Toluene-d8
Concen: 48.611 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009066.D
Acq: 19 Apr 2019 13:33

Tgt Ion: 98 Resp: 473765
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2



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





#60

Dibromochloromethane

Concen: 9.778 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

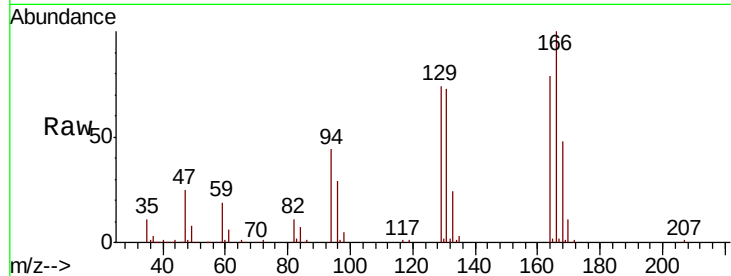
ST008MW146-190416DL

Tot Ion:129 Resp: 25860

Ion Ratio Lower Upper

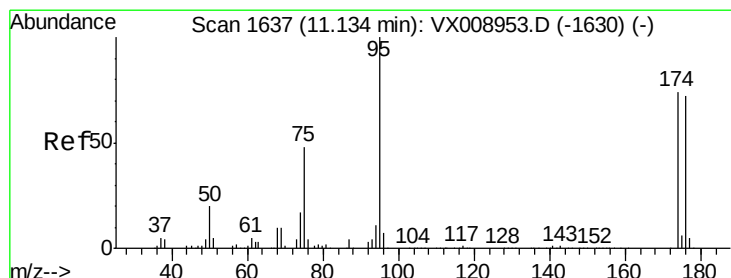
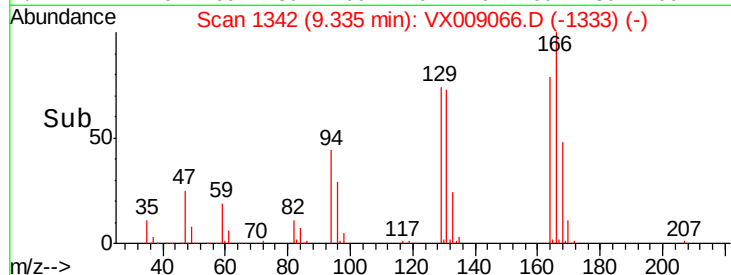
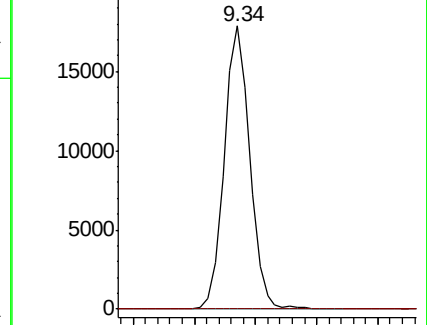
129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 45.211 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

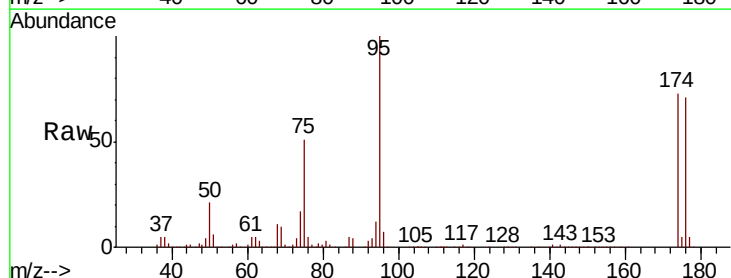
Tgt Ion: 95 Resp: 155544

Ion Ratio Lower Upper

95 100

174 78.5 0.0 159.6

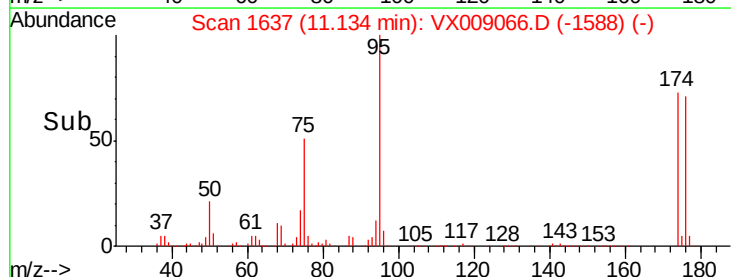
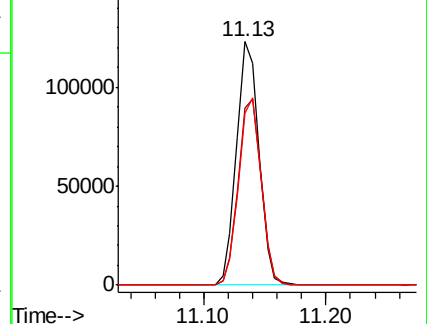
176 77.0 0.0 154.8

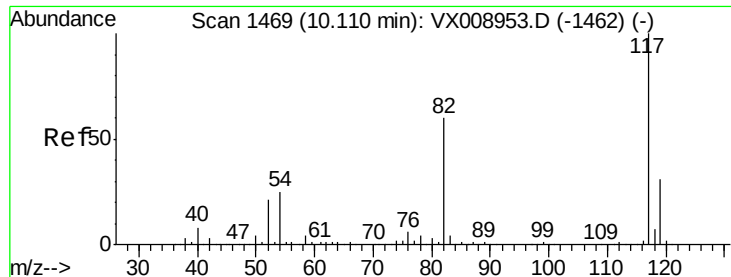


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

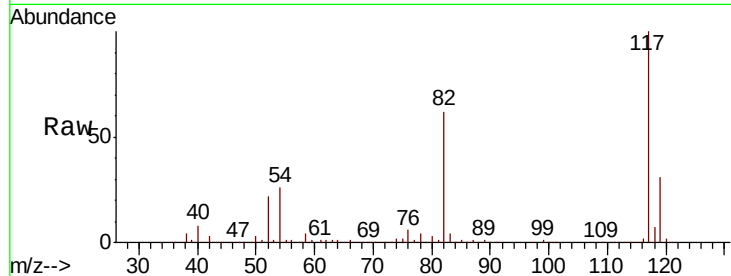




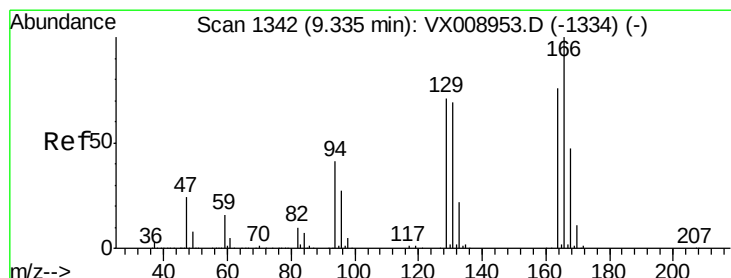
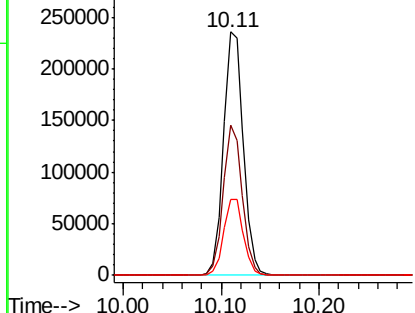
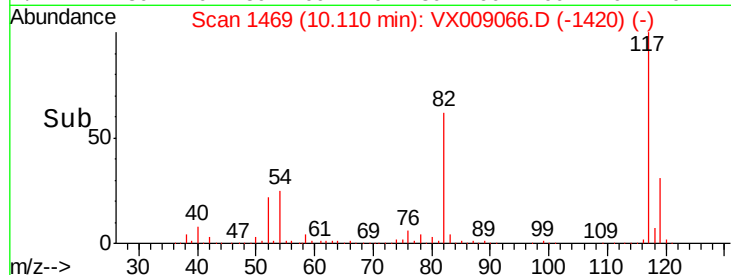
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009066.D
Acq: 19 Apr 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ST008MW146-190416DL

Tot Ion:117 Resp: 330641
Ion Ratio Lower Upper
117 100
82 61.7 48.2 72.4
119 31.3 25.0 37.6

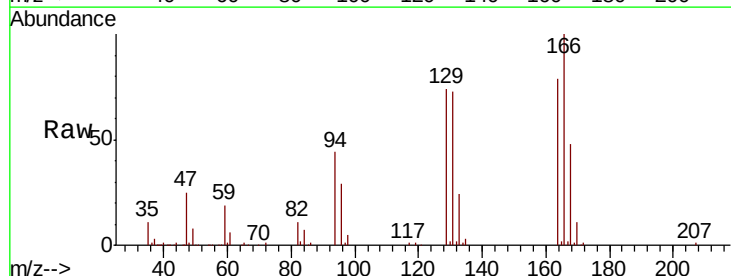


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

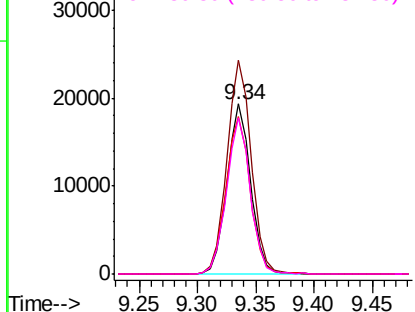
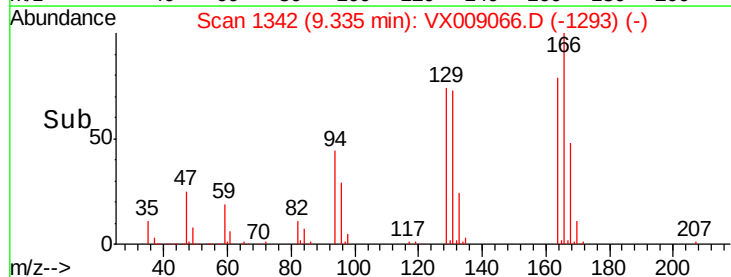


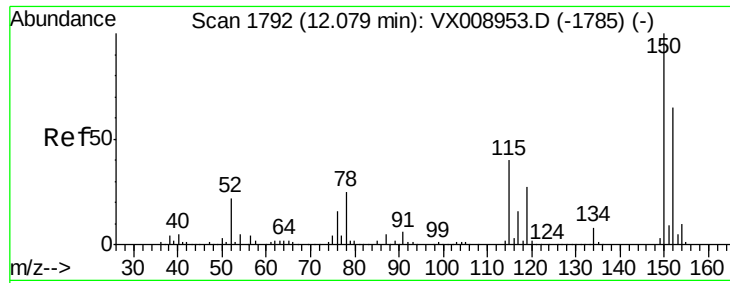
#64
Tetrachloroethene
Concen: 10.881 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009066.D
Acq: 19 Apr 2019 13:33

Tgt Ion:164 Resp: 27330
Ion Ratio Lower Upper
164 100
166 125.8 105.0 157.4
129 92.5 74.2 111.4
131 91.9 72.2 108.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



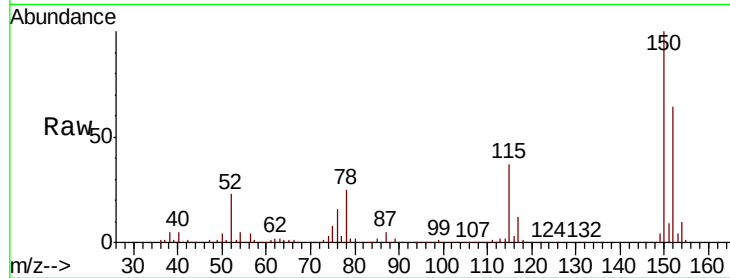


#72

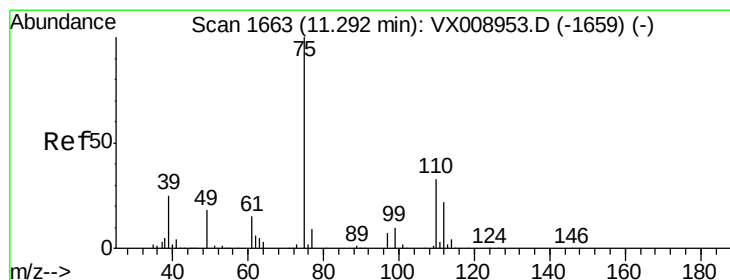
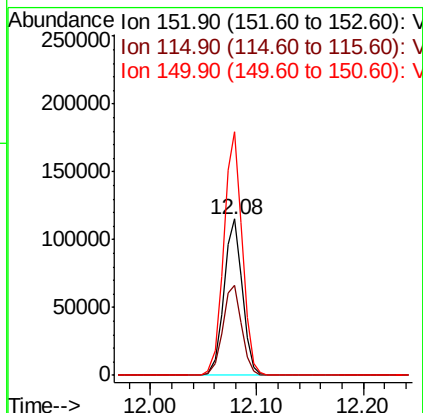
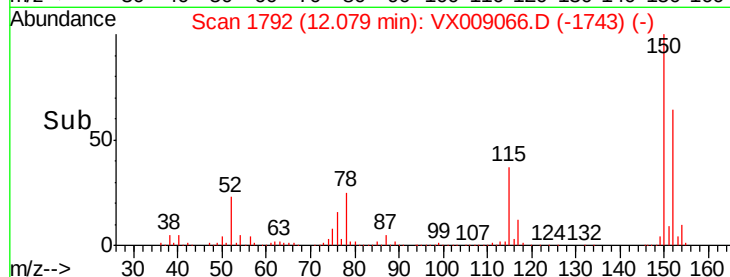
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009066.D
Acq: 19 Apr 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ST008MW146-190416DL

Tot Ion:152 Resp: 139127
Ion Ratio Lower Upper
152 100
115 58.8 41.4 124.2
150 156.0 0.0 349.8



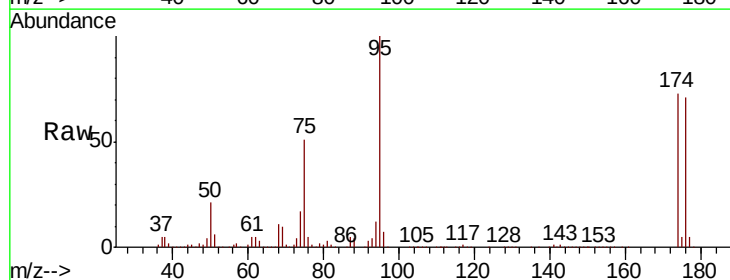
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



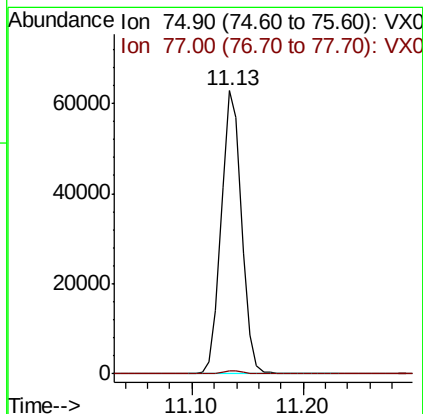
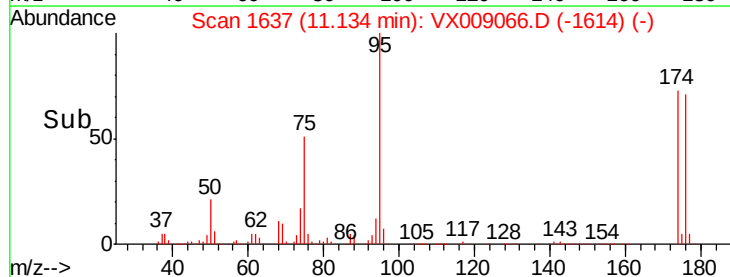
#76

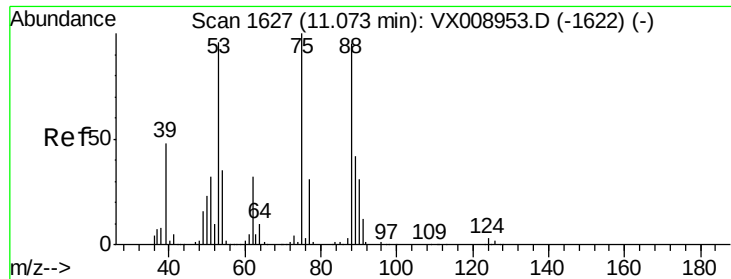
1,2,3-Trichloropropane
Concen: 23.381 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009066.D
Acq: 19 Apr 2019 13:33

Tgt Ion: 75 Resp: 79429
Ion Ratio Lower Upper
75 100
77 1.2 22.7 68.0#



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: 60.025 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009066.D

Acq: 19 Apr 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ST008MW146-190416DL

Tot Ion: 75 Resp: 79429

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.1 36.0 54.0#

