

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031419\
 Data File : VX008095.D
 Acq On : 15 Mar 2019 02:53
 Operator : JC/SP
 Sample : K1839-05DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-20190307DL

Quant Time: Mar 15 04:31:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	292769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	449717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	422974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210983	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	148487	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	5.51	113	145291	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	8.71	98	540223	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.13	95	198747	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

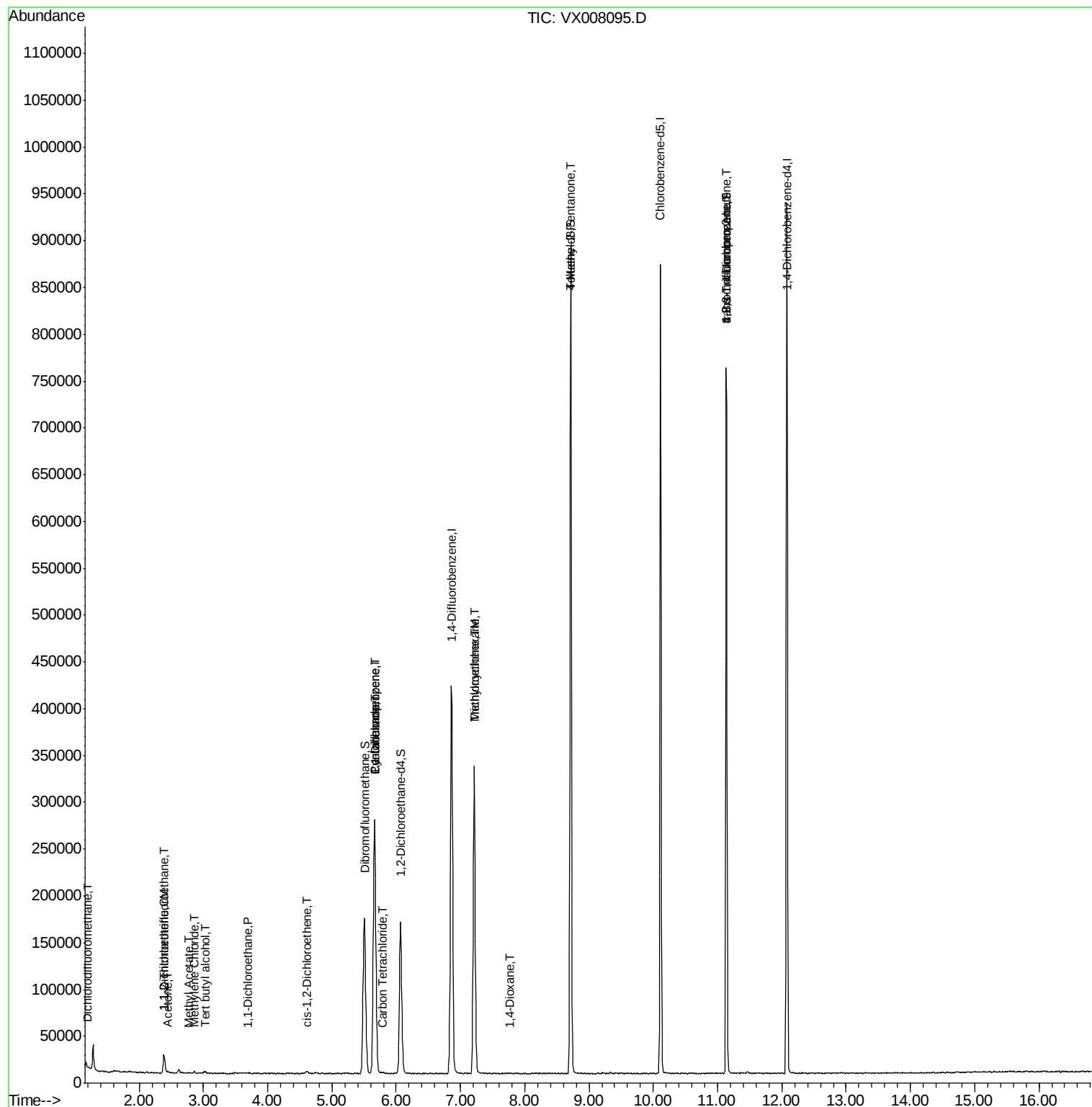
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	470	0.201	ug/l	95
5) Bromomethane	1.65	94	257	Below Cal	#	79
6) Chloroethane	1.63	64	209	Below Cal	#	58
9) 1,1,2-Trichlorotrifluoroet	2.39	101	6771	2.867	ug/l	98
11) Tert butyl alcohol	3.03	59	1345	2.357	ug/l #	77
12) 1,1-Dichloroethene	2.38	96	1767	0.792	ug/l	89
16) Acetone	2.45	43	1461	1.048	ug/l	90
18) Methyl Acetate	2.78	43	763	0.253	ug/l	99
20) Methylene Chloride	2.85	84	518	0.208	ug/l #	76
24) 1,1-Dichloroethane	3.70	63	1048	0.237	ug/l #	83
27) cis-1,2-Dichloroethene	4.61	96	1313	0.459	ug/l	90
31) Cyclohexane	5.67	56	4007	0.949	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17150	4.636	ug/l #	48
38) Carbon Tetrachloride	5.79	117	1085	0.305	ug/l #	74
39) Methylcyclohexane	7.21	83	1590	0.336	ug/l #	1
44) Trichloroethene	7.21	130	139356	42.603	ug/l	100
49) 1,4-Dioxane	7.77	88	244	3.383	ug/l #	62
51) 4-Methyl-2-Pentanone	8.71	43	1961	0.465	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	89135	24.326	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	89135	69.224	ug/l #	11

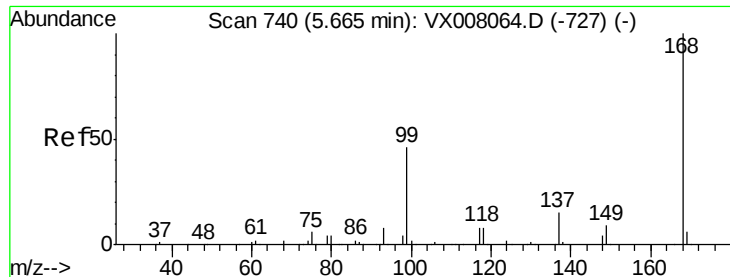
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 15 03:56:35 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: VX008095.D

Acq: 15 Mar 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

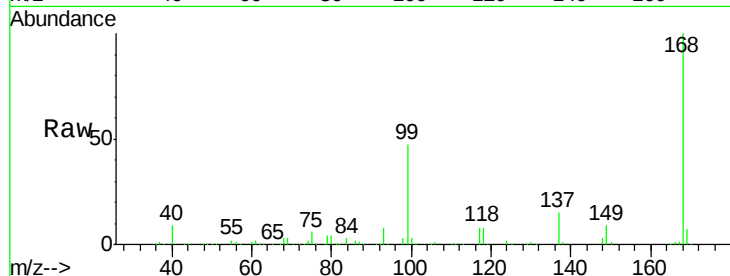
TT101D1-20190307DL

Tot Ion:168 Resp: 292769

Ion Ratio Lower Upper

168 100

99 47.5 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

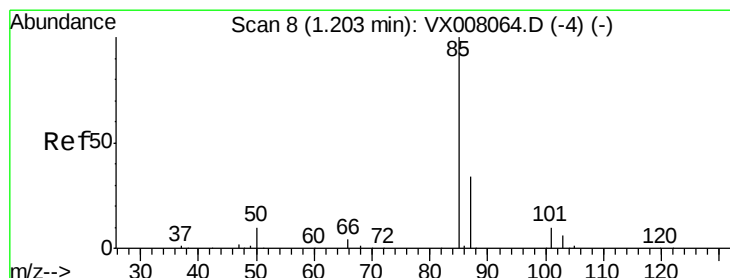
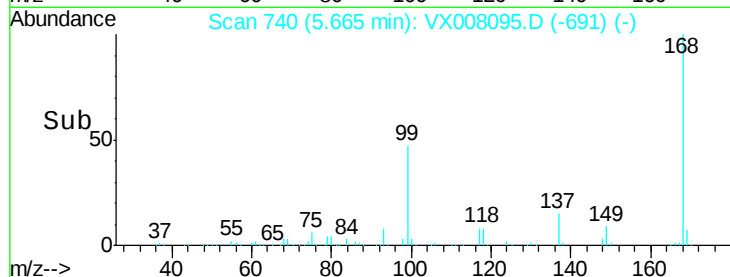
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.201 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX008095.D

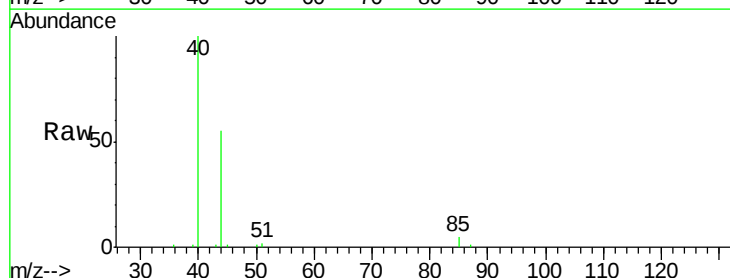
Acq: 15 Mar 2019 02:53

Tgt Ion: 85 Resp: 470

Ion Ratio Lower Upper

85 100

87 30.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

600

500

400

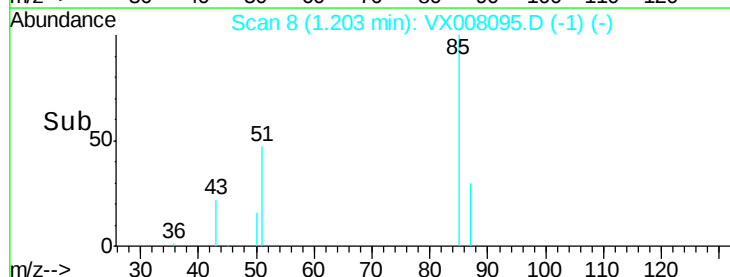
300

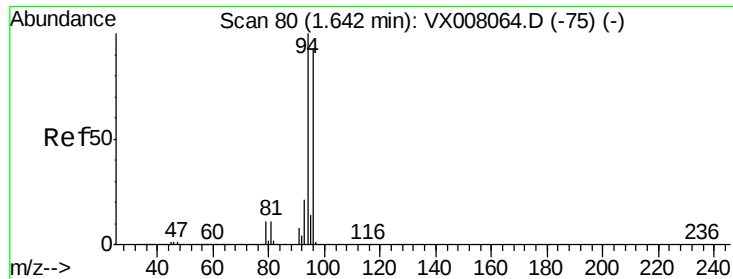
200

100

0

Time--> 1.16 1.18 1.20 1.22 1.24





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008095.D

Acq: 15 Mar 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

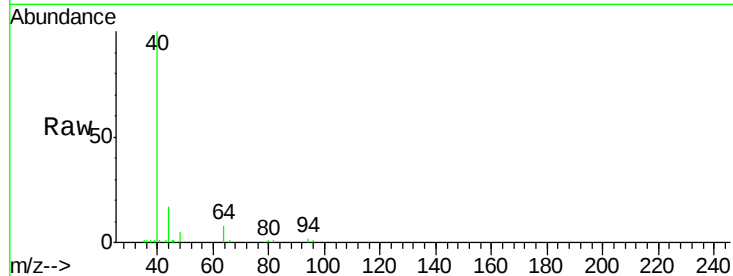
TT101D1-20190307DL

Tot Ion: 94 Resp: 257

Ion Ratio Lower Upper

94 100

96 73.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

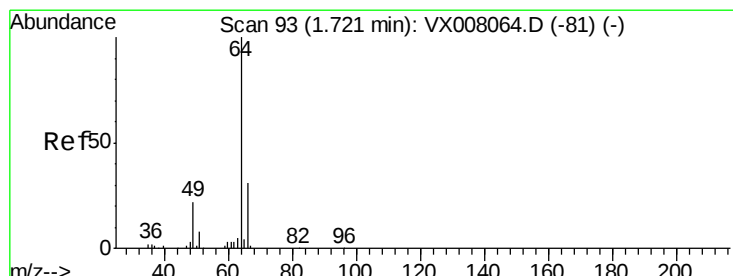
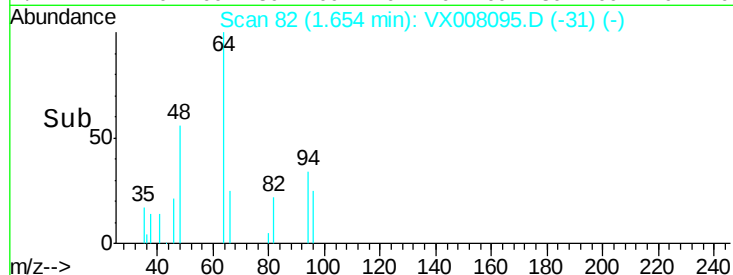
1.65

100

50

0

Time--> 1.60 1.65 1.70



#6

Chloroethane

Concen: Below Cal

RT: 1.63 min Scan# 78

Delta R.T. -0.09 min

Lab File: VX008095.D

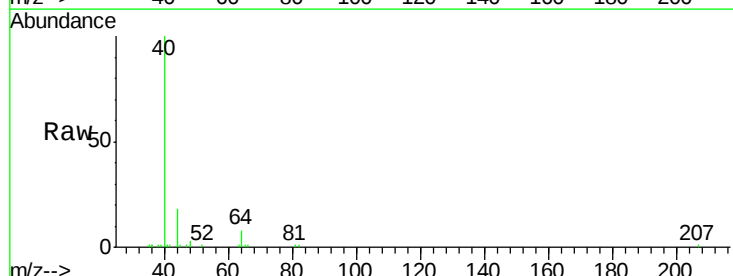
Acq: 15 Mar 2019 02:53

Tgt Ion: 64 Resp: 209

Ion Ratio Lower Upper

64 100

66 8.2 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.63

800

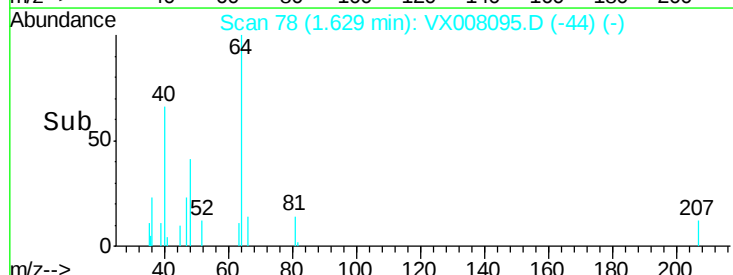
600

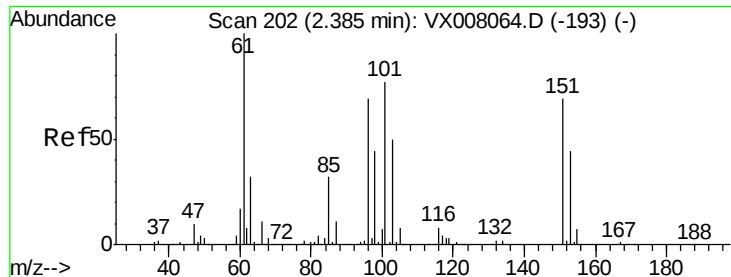
400

200

0

Time--> 1.60 1.62 1.64





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.867 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008095.D

Acq: 15 Mar 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-20190307DL

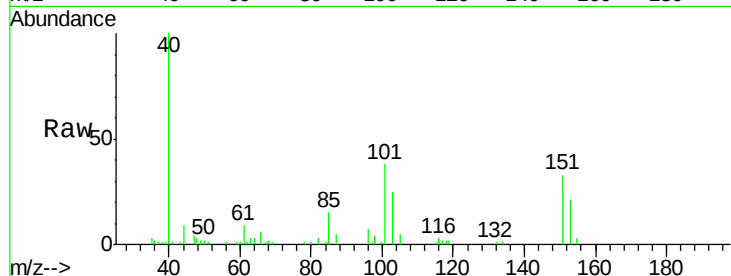
Tot Ion:101 Resp: 6771

Ion Ratio Lower Upper

101 100

85 41.9 33.8 50.6

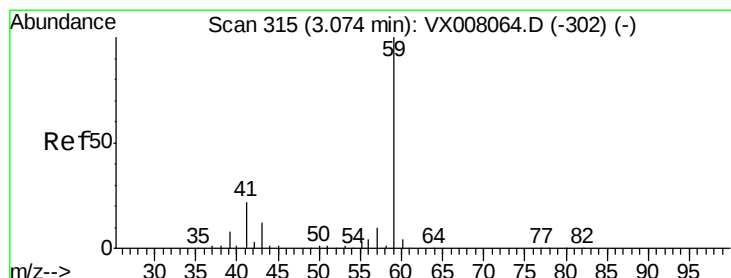
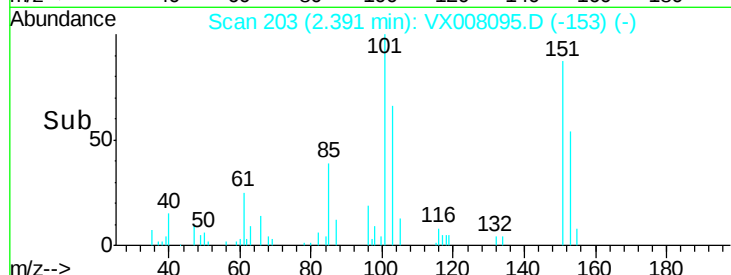
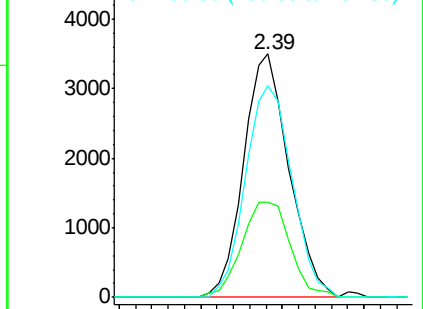
151 89.1 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 2.357 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX008095.D

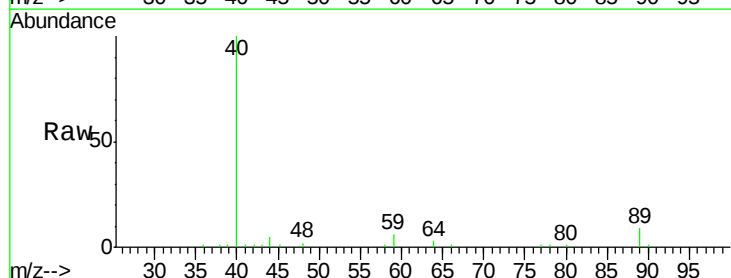
Acq: 15 Mar 2019 02:53

Tgt Ion: 59 Resp: 1345

Ion Ratio Lower Upper

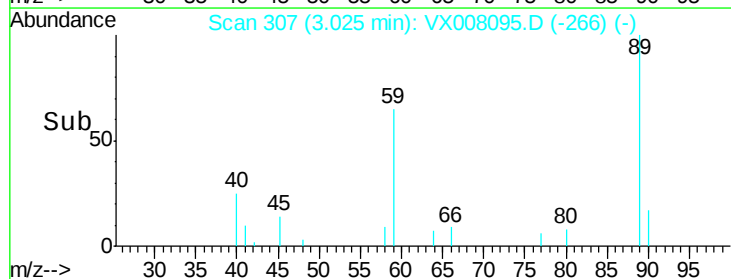
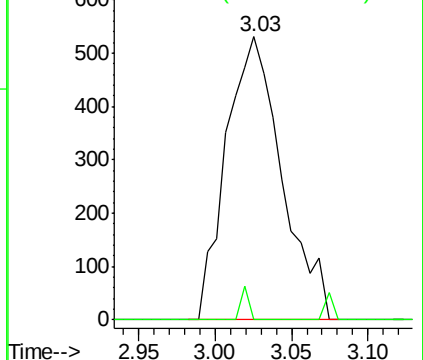
59 100

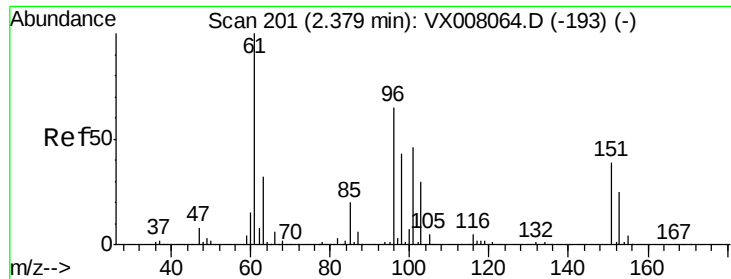
57 1.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

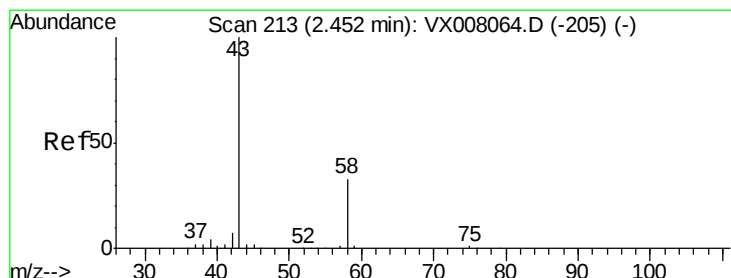
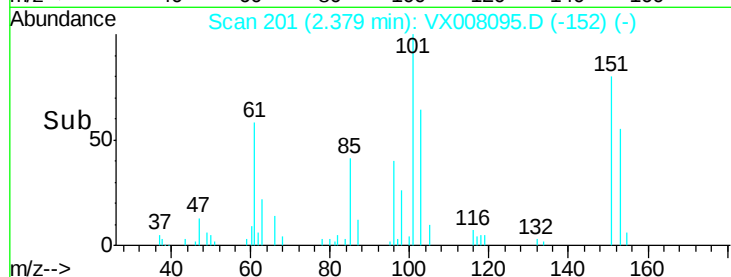
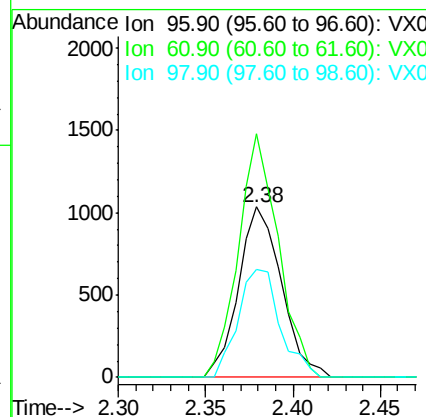
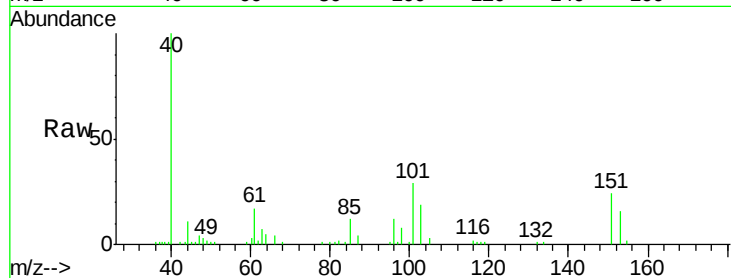




#12
 1,1-Dichloroethene
 Concen: 0.792 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.00 min
 Lab File: VX008095.D
 Acq: 15 Mar 2019 02:53

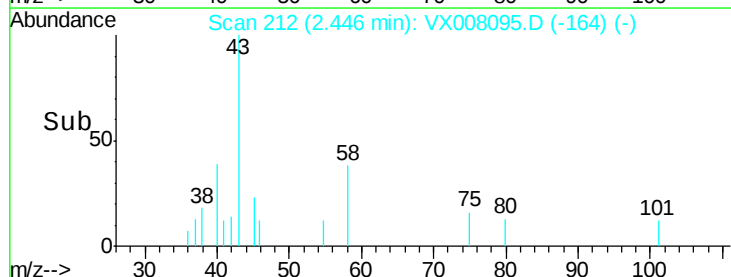
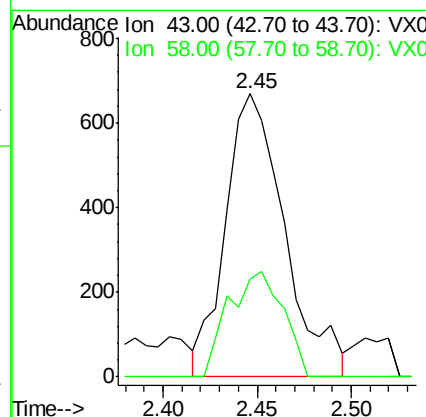
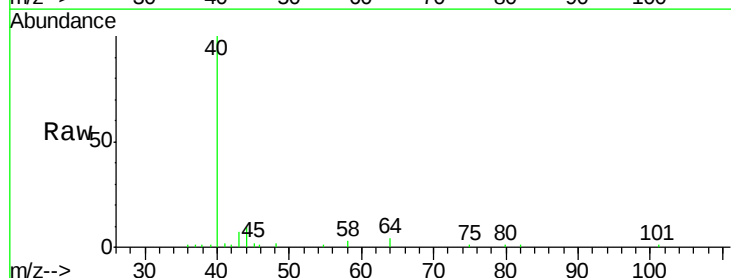
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-20190307DL

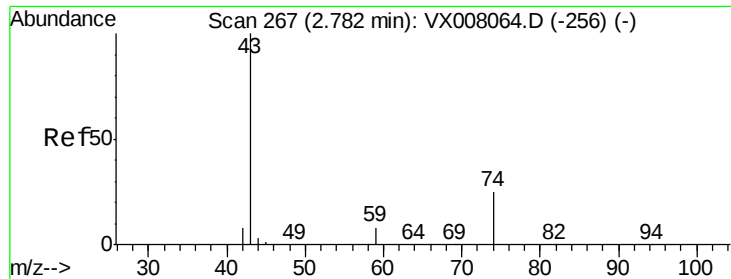
Tot Ion	Resp	Lower	Upper
96	1767		
61	142.8	129.8	194.6
98	63.3	51.0	76.6



#16
 Acetone
 Concen: 1.048 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.01 min
 Lab File: VX008095.D
 Acq: 15 Mar 2019 02:53

Tgt Ion	Resp	Lower	Upper
43	1461		
58	37.6	25.5	38.3

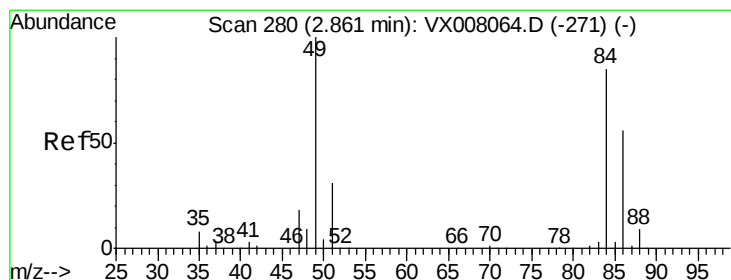
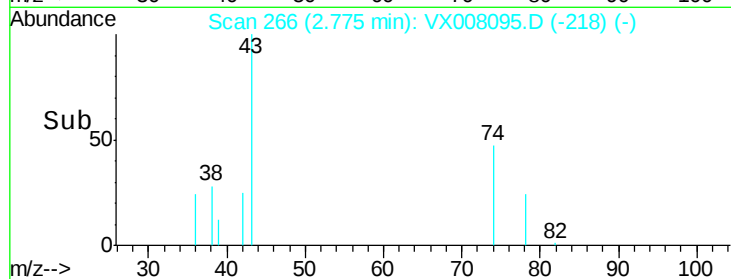
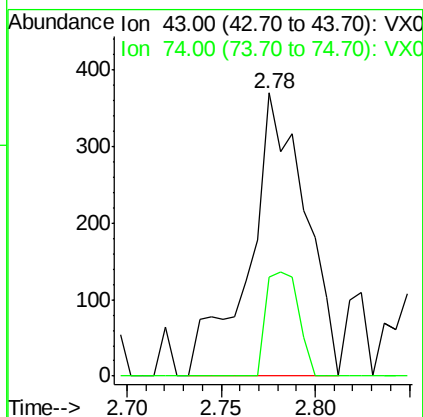
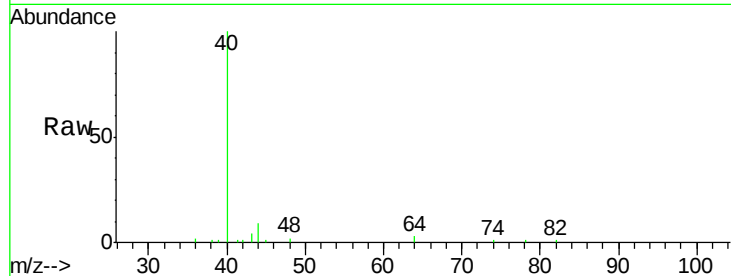




#18
Methyl Acetate
Concen: 0.253 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX008095.D
Acq: 15 Mar 2019 02:53

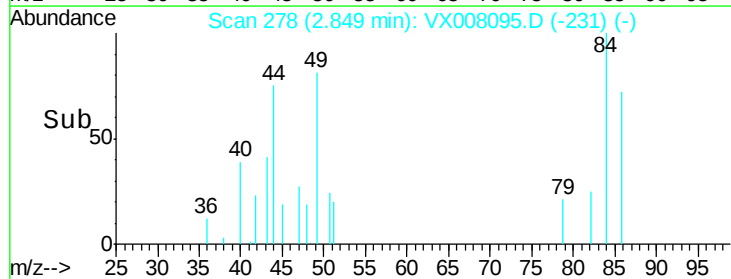
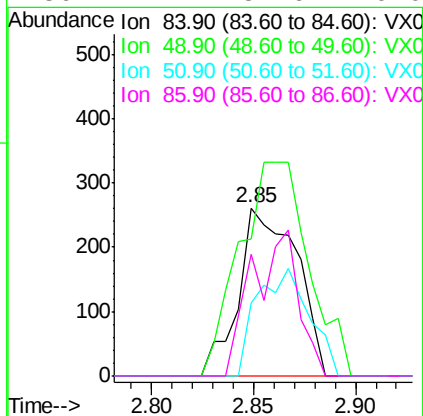
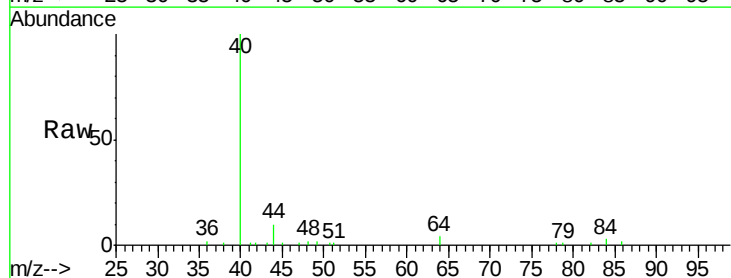
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20190307DL

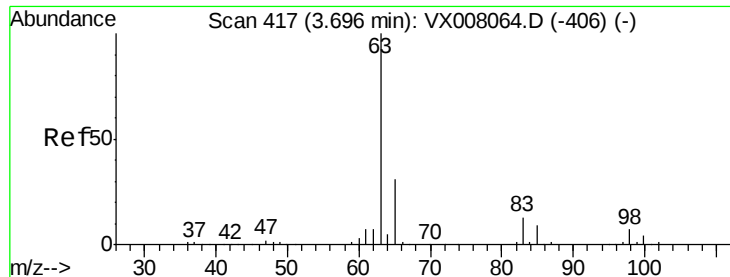
Tot Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
74 21.5 17.8 26.6



#20
Methylene Chloride
Concen: 0.208 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX008095.D
Acq: 15 Mar 2019 02:53

Tgt Ion: 84 Resp: 518
Ion Ratio Lower Upper
84 100
49 81.2 99.3 148.9#
51 43.7 31.3 46.9
86 72.4 52.6 79.0





#24

1,1-Dichloroethane

Concen: 0.237 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008095.D

Acq: 15 Mar 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-20190307DL

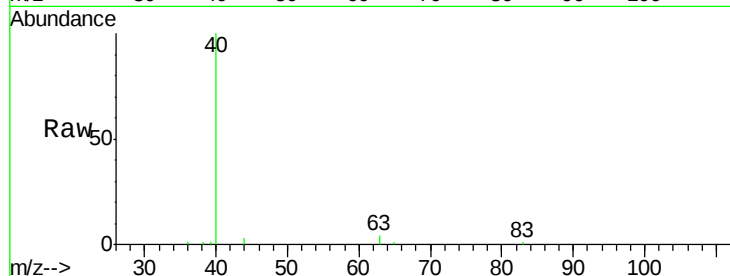
Tot Ion: 63 Resp: 1048

Ion Ratio Lower Upper

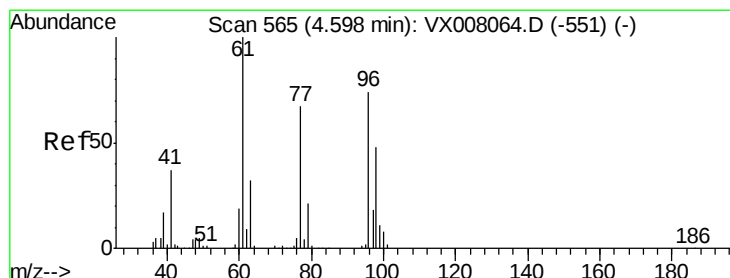
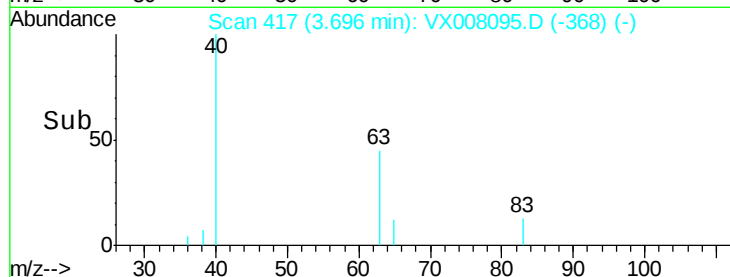
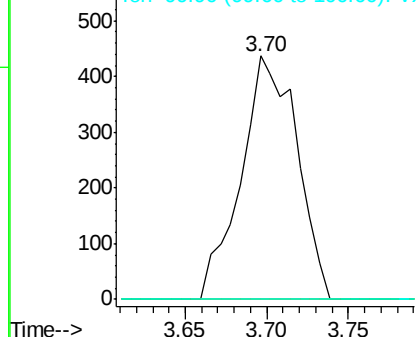
63 100

98 0.0 3.3 9.8#

100 0.0 2.3 6.8#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.459 ug/l

RT: 4.61 min Scan# 567

Delta R.T. 0.01 min

Lab File: VX008095.D

Acq: 15 Mar 2019 02:53

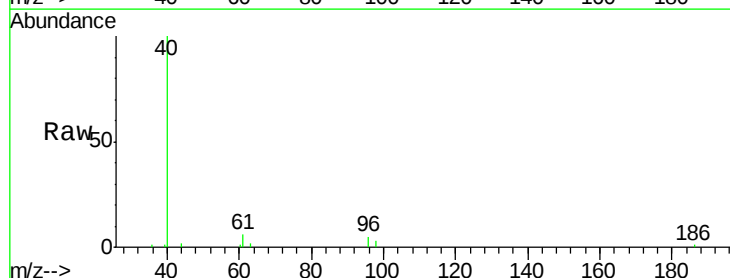
Tgt Ion: 96 Resp: 1313

Ion Ratio Lower Upper

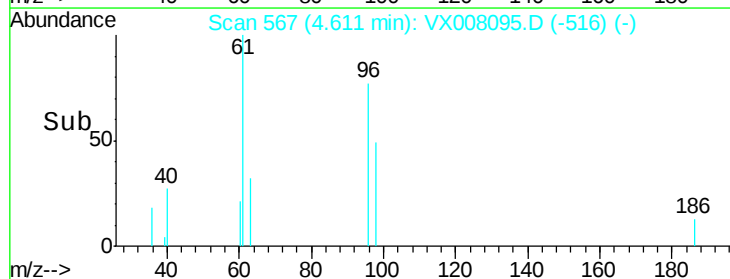
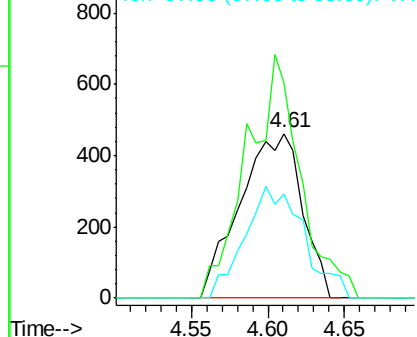
96 100

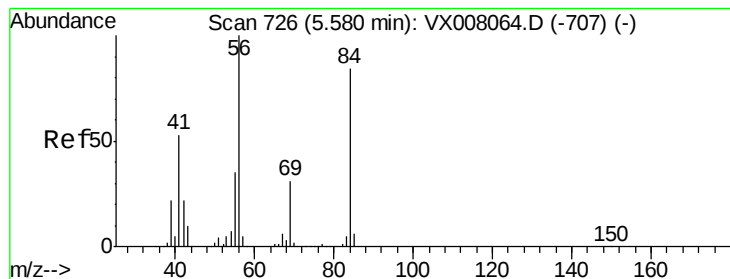
61 127.0 0.0 288.0

98 64.1 0.0 129.0



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





#31

Cyclohexane

Concen: 0.949 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008095.D

Acq: 15 Mar 2019 02:53

Instrument :

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ClientSampleId :

TT101D1-20190307DL

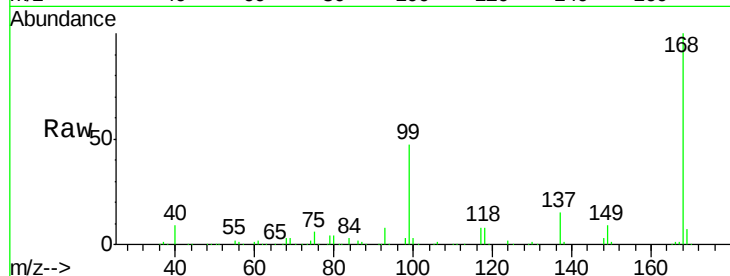
Tot Ion: 56 Resp: 4007

Ion Ratio Lower Upper

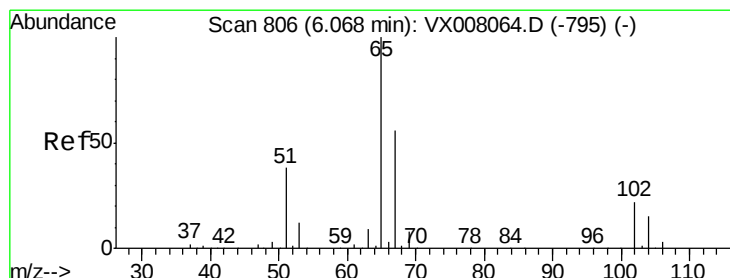
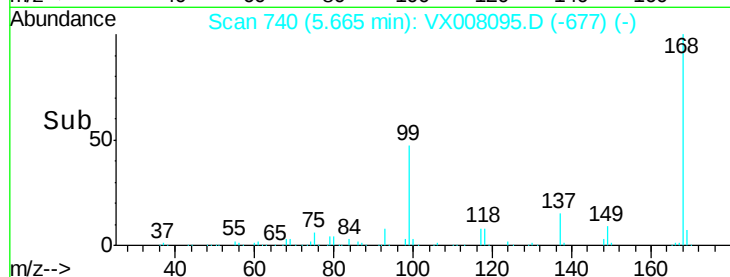
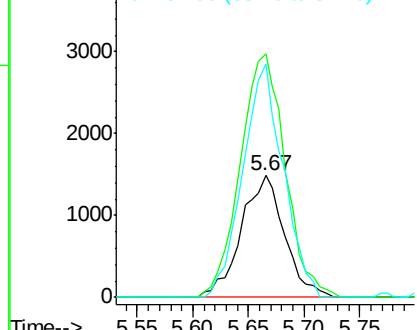
56 100

69 200.5 24.0 36.0#

84 192.4 65.3 97.9#



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: 50.279 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008095.D

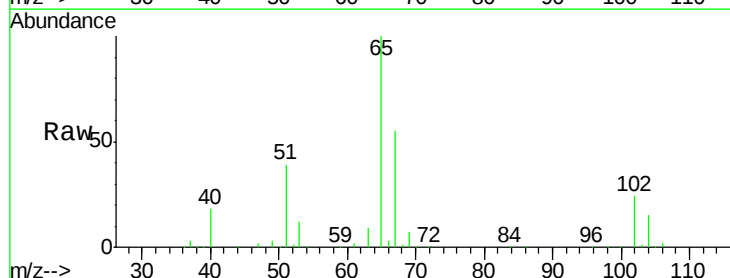
Acq: 15 Mar 2019 02:53

Tgt Ion: 65 Resp: 148487

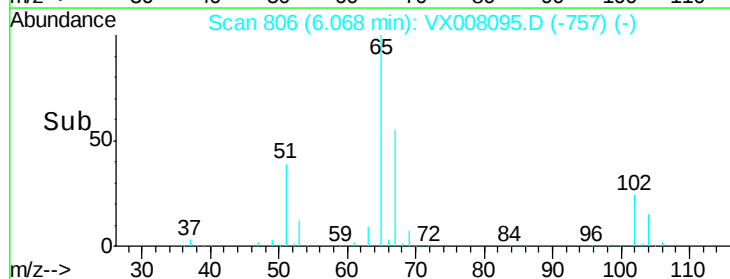
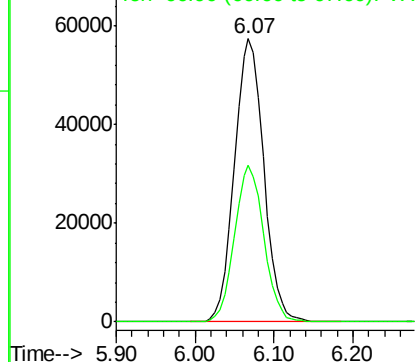
Ion Ratio Lower Upper

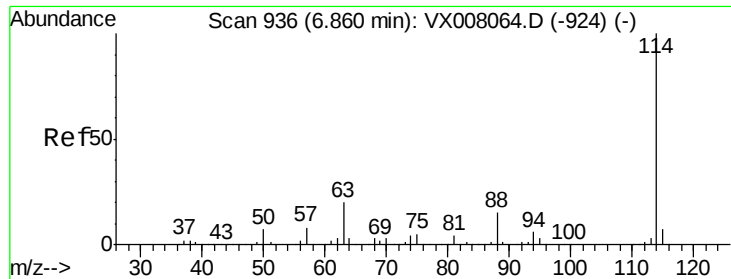
65 100

67 55.0 0.0 110.0



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

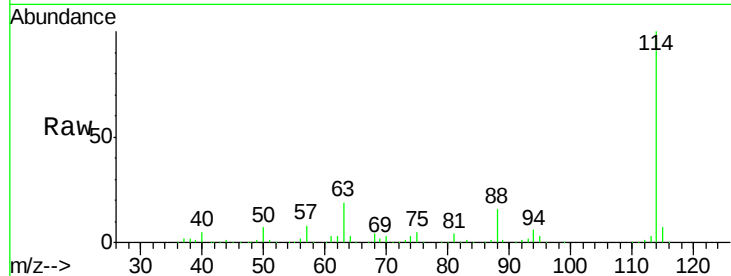




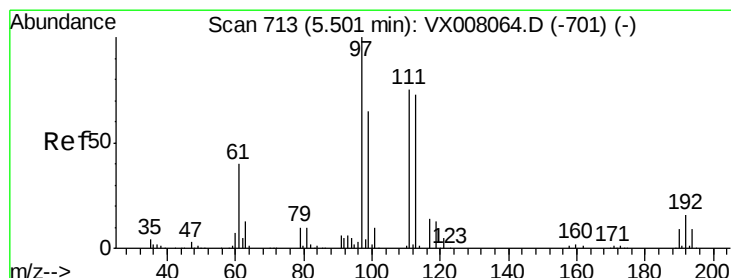
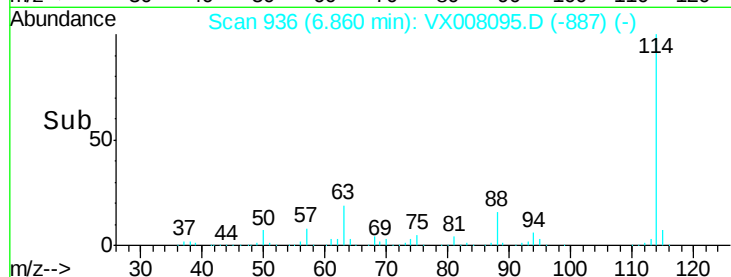
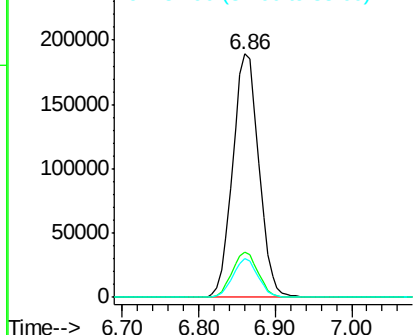
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008095.D
 Acq: 15 Mar 2019 02:53

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-20190307DL

Tot Ion:114 Resp: 449717
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.8
 88 16.0 0.0 31.4

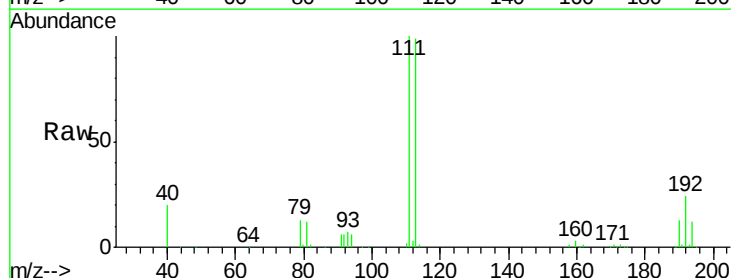


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

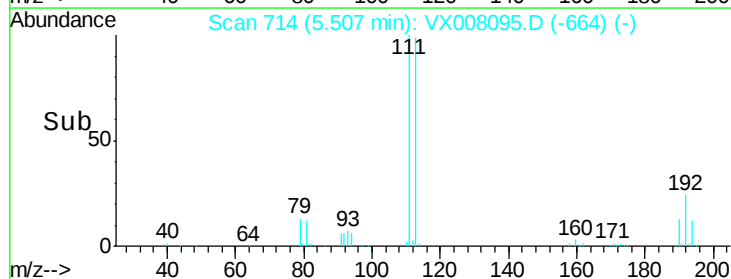
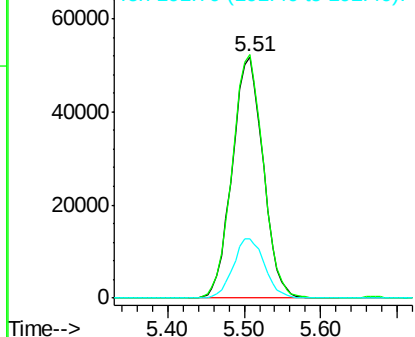


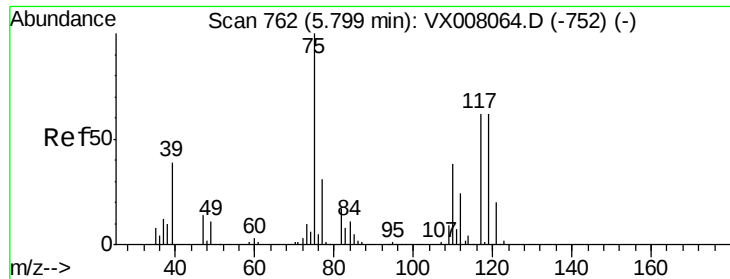
#35
 Dibromofluoromethane
 Concen: 50.946 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX008095.D
 Acq: 15 Mar 2019 02:53

Tgt Ion:113 Resp: 145291
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.4 122.0
 192 25.0 19.4 29.0



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

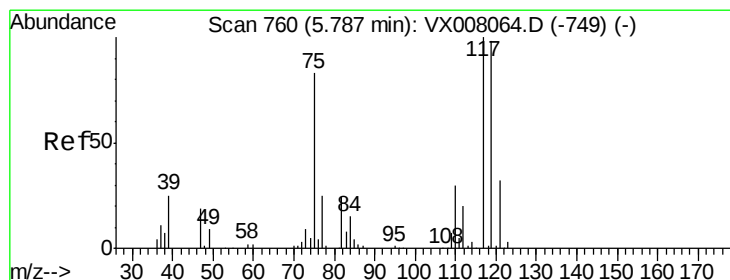
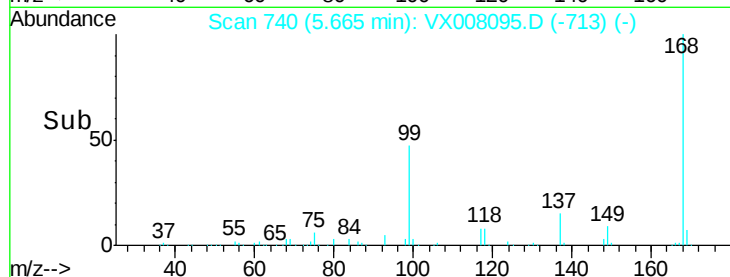
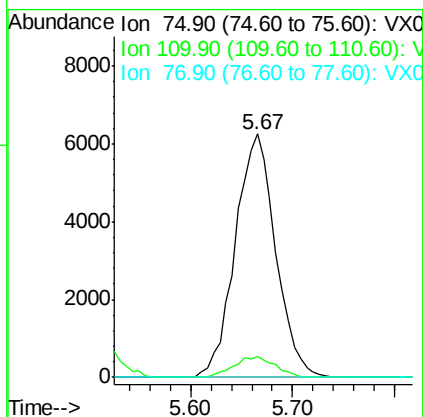
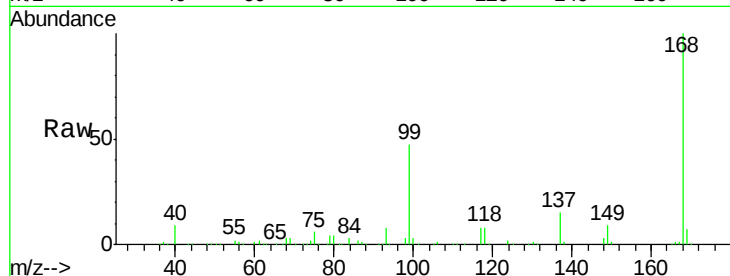




#36
 1,1-Dichloropropene
 Concen: 4.636 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008095.D
 Acq: 15 Mar 2019 02:53

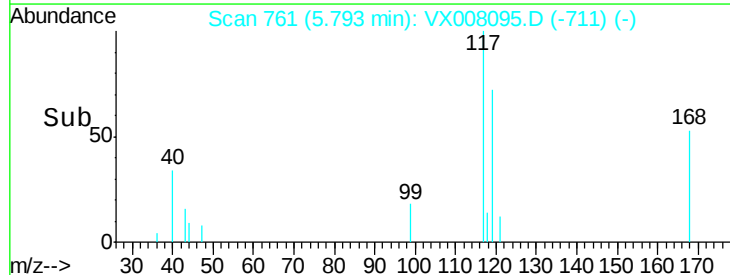
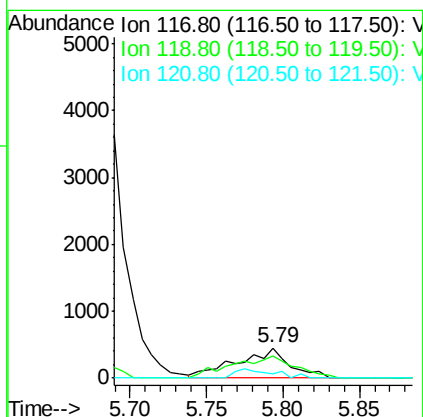
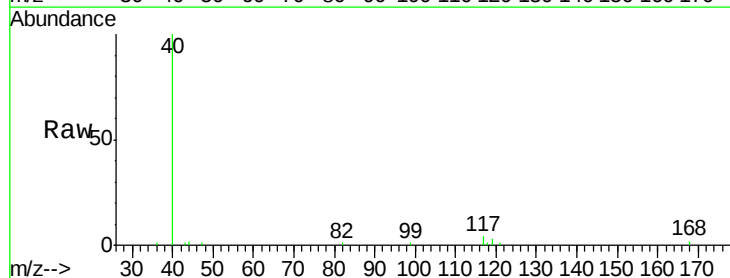
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-20190307DL

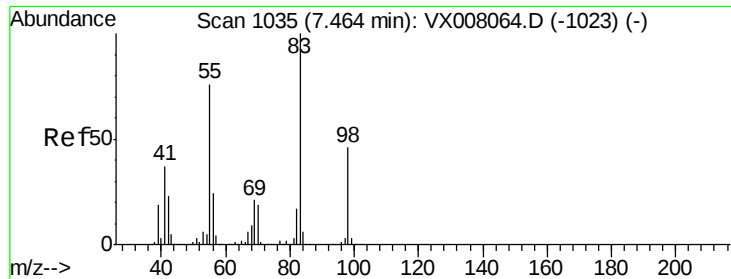
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.4	55.0#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 0.305 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VX008095.D
 Acq: 15 Mar 2019 02:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	72.2	76.2	114.2#
121	12.2	24.6	36.8#

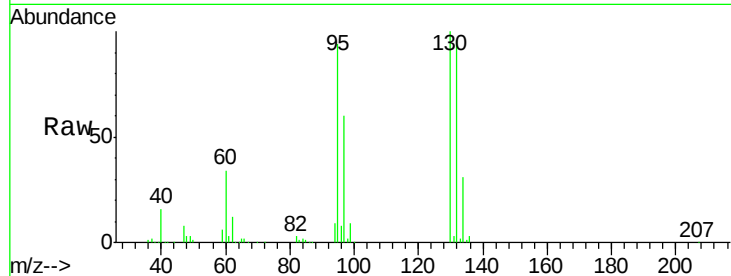




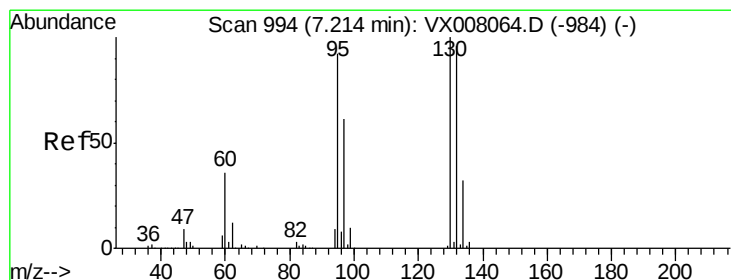
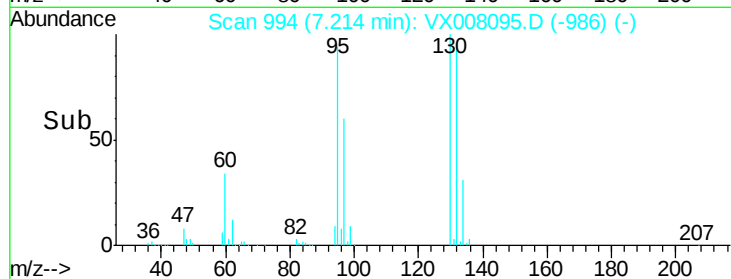
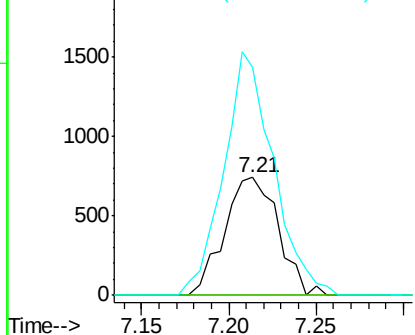
#39
Methvlcvclohexane
Concen: 0.336 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.25 min
Lab File: VX008095.D
Acq: 15 Mar 2019 02:53

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20190307DL

Tot Ion: 83 Resp: 1590
Ion Ratio Lower Upper
83 100
55 0.0 60.4 90.6#
98 194.6 36.5 54.7#

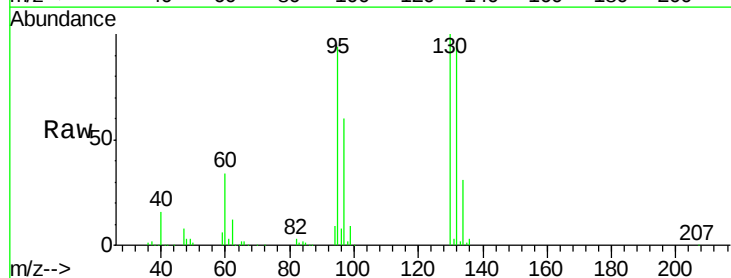


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

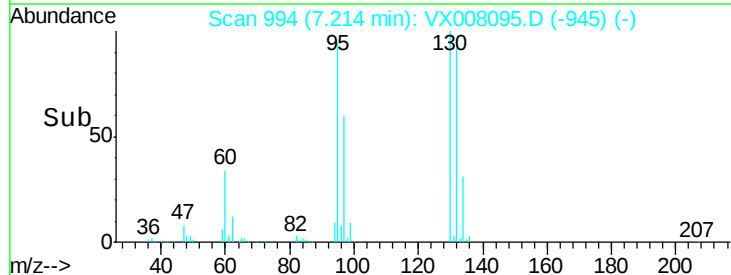
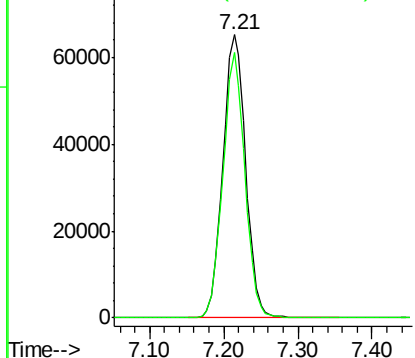


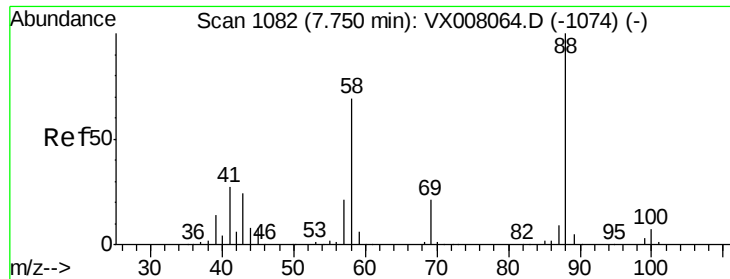
#44
Trichloroethene
Concen: 42.603 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX008095.D
Acq: 15 Mar 2019 02:53

Tgt Ion:130 Resp: 139356
Ion Ratio Lower Upper
130 100
95 93.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

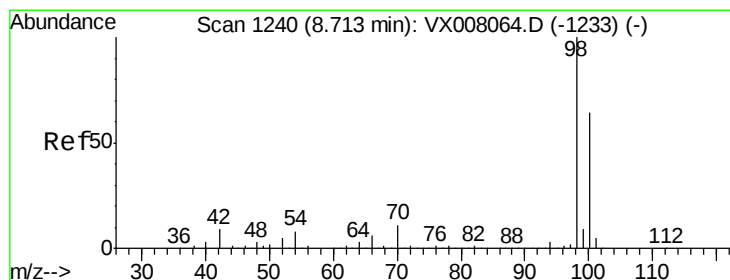
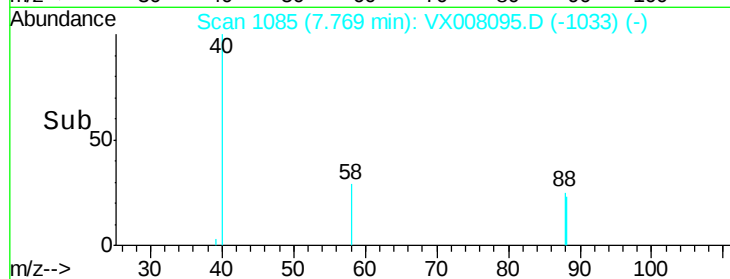
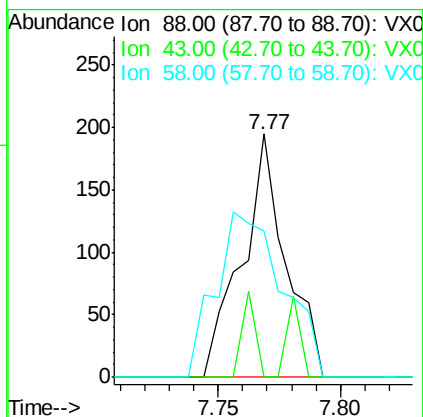
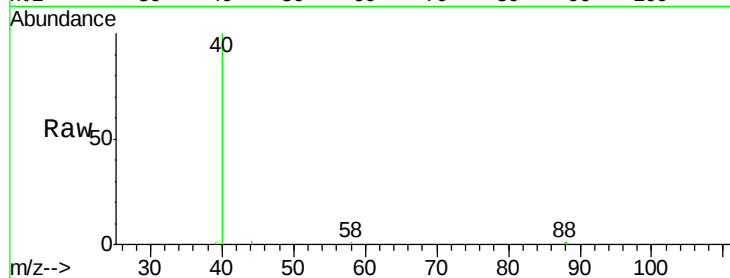




#49
1,4-Dioxane
Concen: 3.383 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.02 min
Lab File: VX008095.D
Acq: 15 Mar 2019 02:53

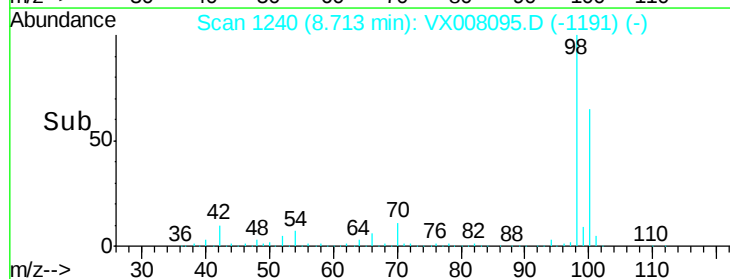
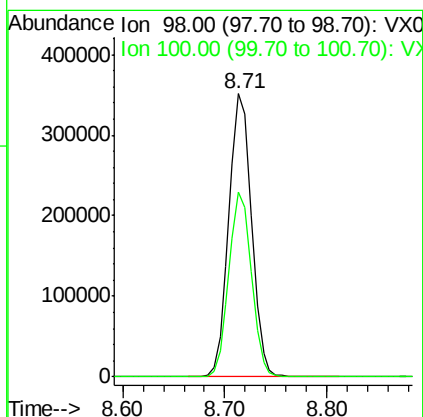
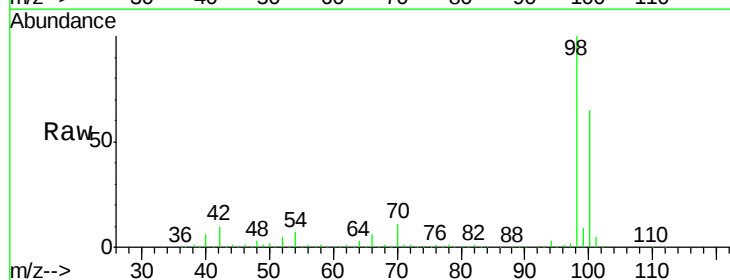
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20190307DL

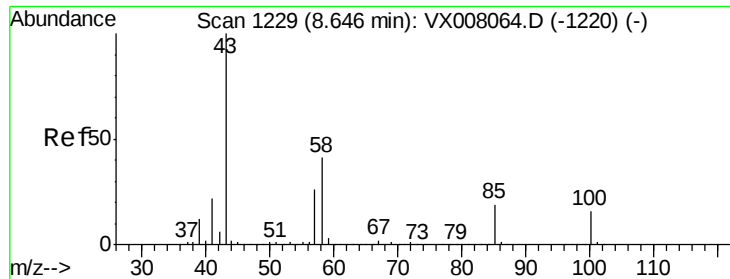
Tot Ion: 88 Resp: 244
Ion Ratio Lower Upper
88 100
43 10.2 25.1 37.7#
58 103.3 57.8 86.6#



#50
Toluene-d8
Concen: 49.806 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008095.D
Acq: 15 Mar 2019 02:53

Tgt Ion: 98 Resp: 540223
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.465 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX008095.D

Acq: 15 Mar 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

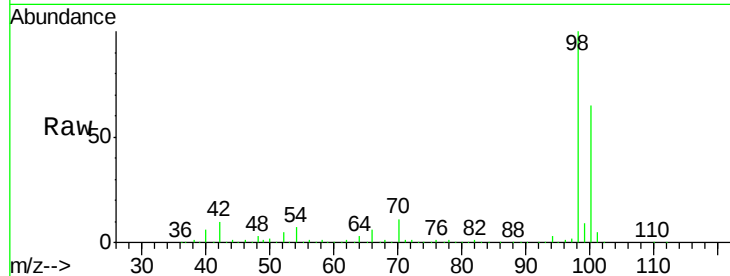
TT101D1-20190307DL

Tot Ion: 43 Resp: 1961

Ion Ratio Lower Upper

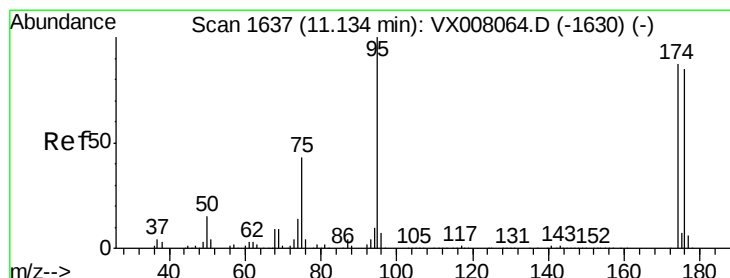
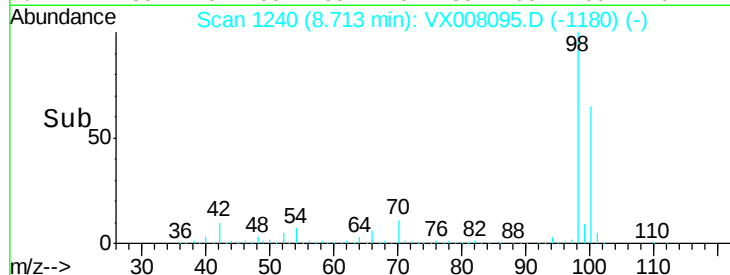
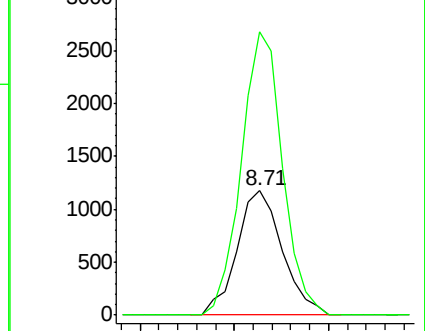
43 100

58 206.2 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 51.150 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008095.D

Acq: 15 Mar 2019 02:53

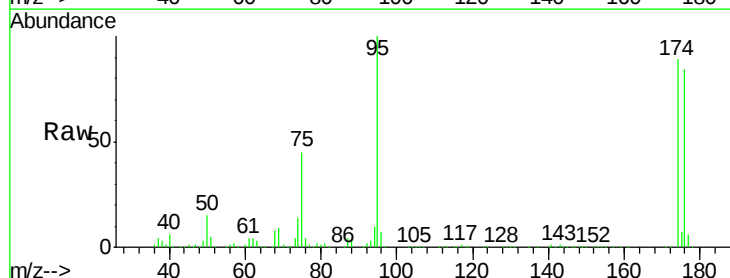
Tgt Ion: 95 Resp: 198747

Ion Ratio Lower Upper

95 100

174 95.7 0.0 182.8

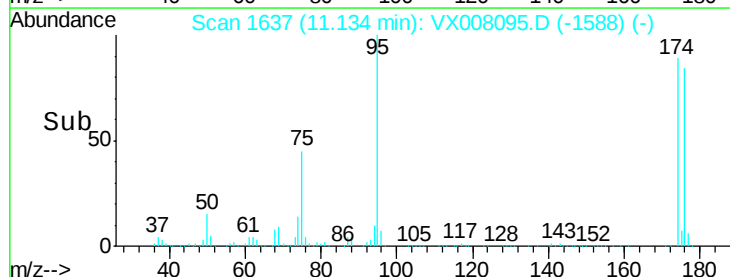
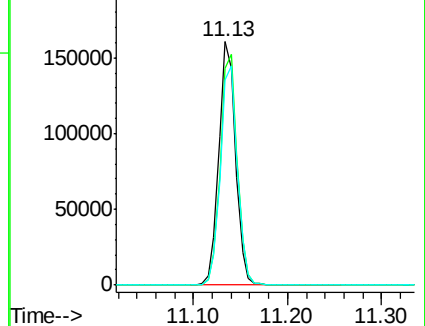
176 91.5 0.0 178.0

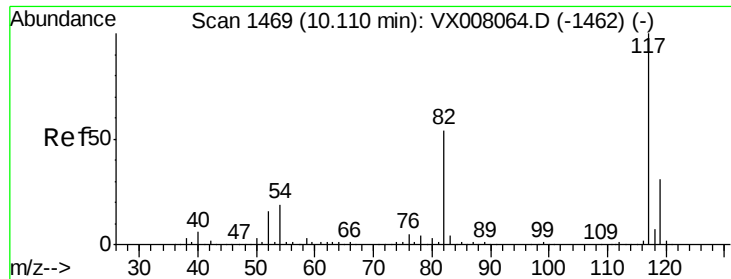


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

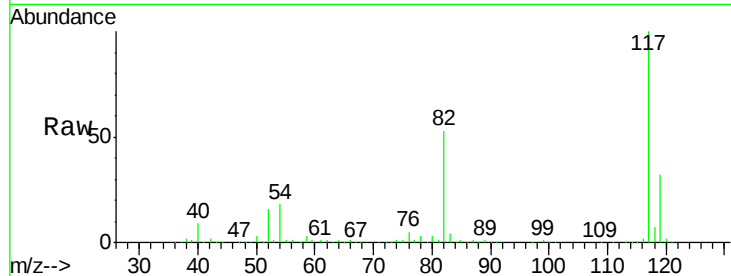




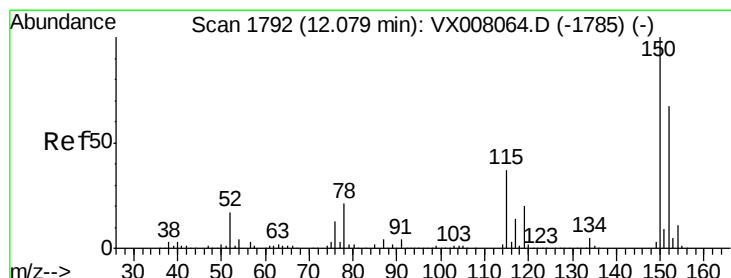
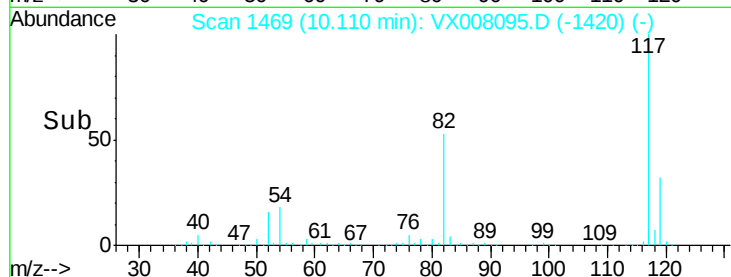
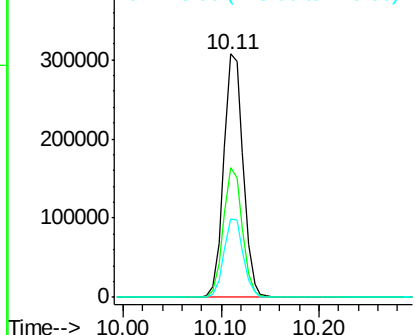
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008095.D
Acq: 15 Mar 2019 02:53

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20190307DL

Tot Ion:117 Resp: 422974
Ion Ratio Lower Upper
117 100
82 53.4 44.3 66.5
119 32.3 25.3 37.9

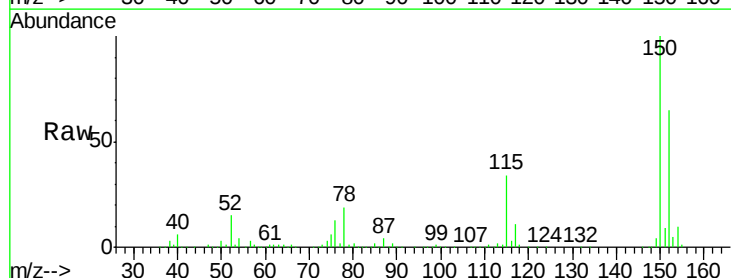


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

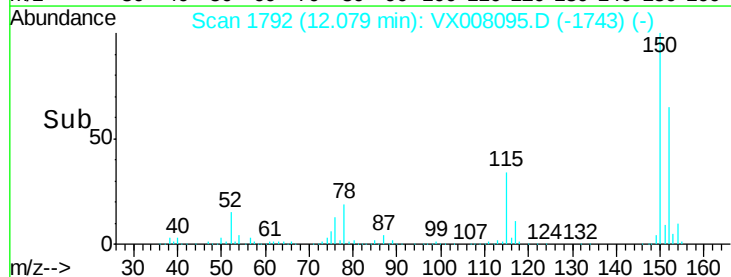
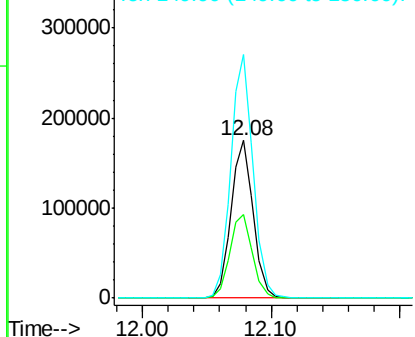


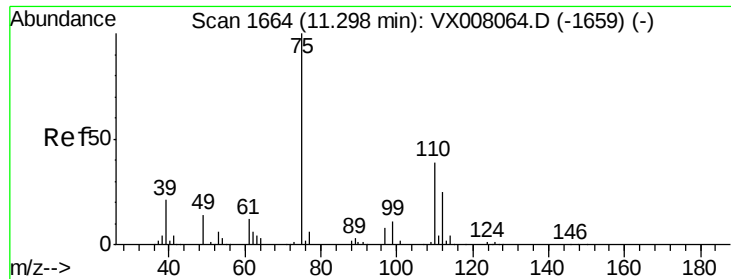
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008095.D
Acq: 15 Mar 2019 02:53

Tgt Ion:152 Resp: 210983
Ion Ratio Lower Upper
152 100
115 54.2 38.6 115.7
150 155.2 0.0 348.4



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

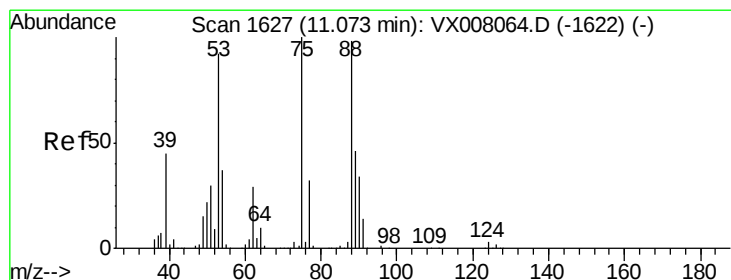
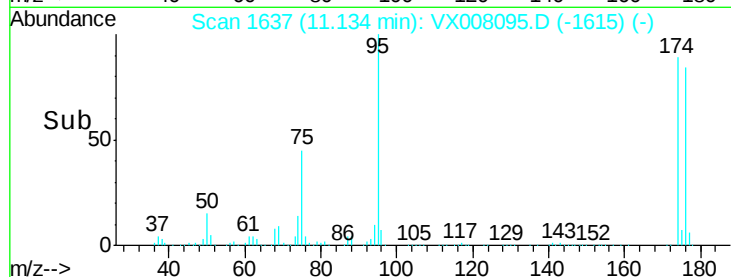
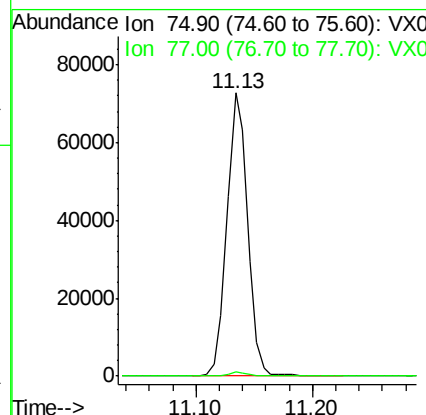
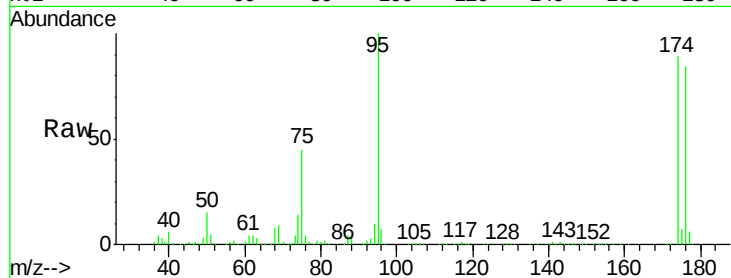




#76
 1,2,3-Trichloropropane
 Concen: 24.326 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008095.D
 Acq: 15 Mar 2019 02:53

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-20190307DL

Tot Ion: 75 Resp: 89135
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.224 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008095.D
 Acq: 15 Mar 2019 02:53

Tgt Ion: 75 Resp: 89135
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.0 36.3 54.5#

