

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011034.D
 Acq On : 22 Jul 2019 16:36
 Operator : JC/SP
 Sample : K3928-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TOTE-COMP

Quant Time: Jul 23 03:45:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	227551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357163	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	329893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	153992	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	121515	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
35) Dibromofluoromethane	5.50	113	111915	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	8.71	98	431423	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.13	95	150547	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	

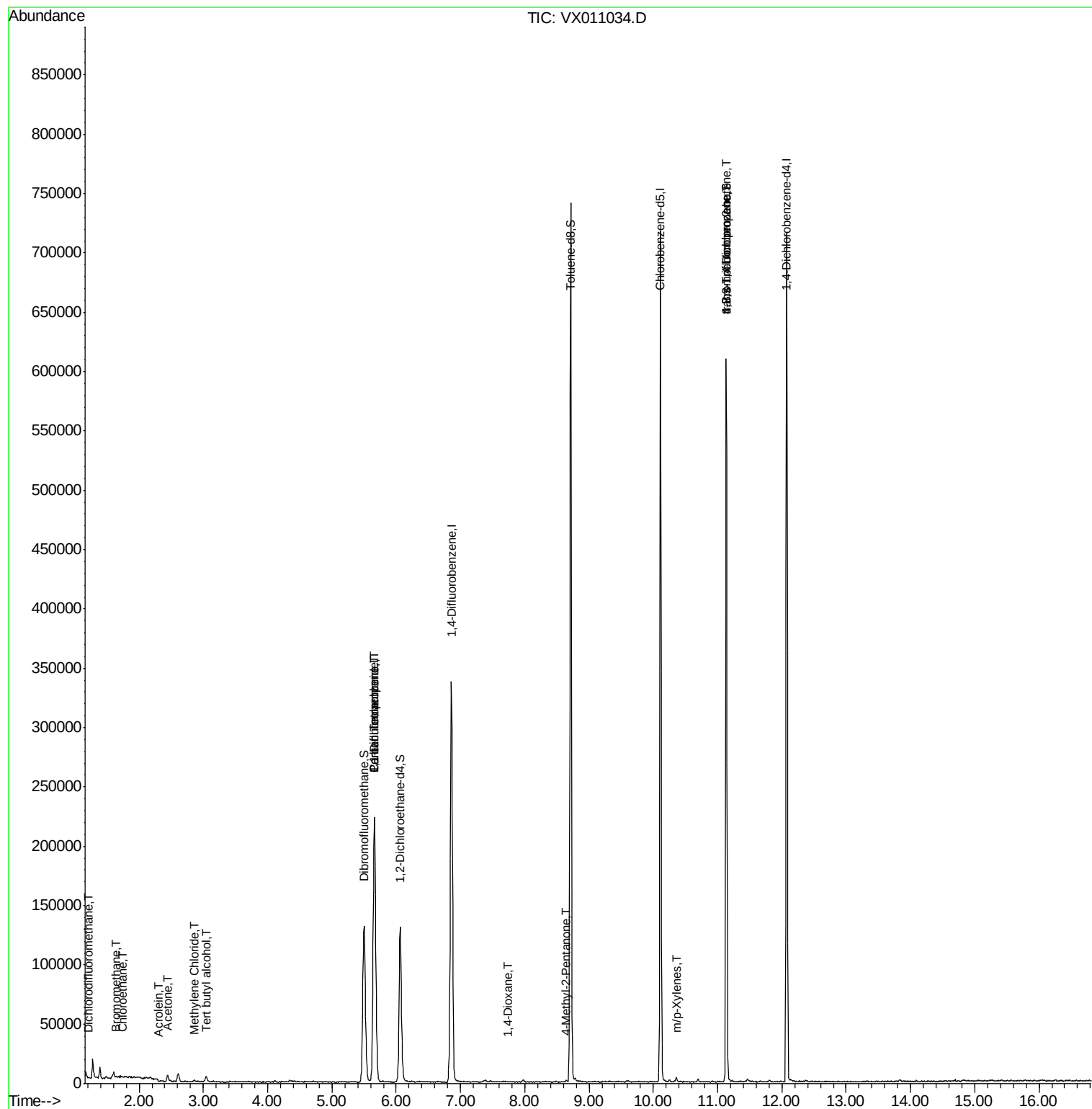
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	26	0.557	ug/l #	43
5) Bromomethane	1.65	94	258	0.215	ug/l	91
6) Chloroethane	1.73	64	701	0.517	ug/l #	49
11) Tert butyl alcohol	3.04	59	4887	8.668	ug/l #	83
13) Acrolein	2.31	56	260	0.798	ug/l #	44
16) Acetone	2.44	43	6510	5.954	ug/l	90
20) Methylene Chloride	2.86	84	702	0.303	ug/l #	61
36) 1,1-Dichloropropene	5.67	75	14818	5.051	ug/l #	39
38) Carbon Tetrachloride	5.67	117	21167	6.924	ug/l #	16
49) 1,4-Dioxane	7.73	88	39	0.579	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	938	0.293	ug/l	100
68) m/p-Xylenes	10.36	106	1027	0.232	ug/l	81
76) 1,2,3-Trichloropropane	11.13	75	76639	27.579	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	76639	68.292	ug/l #	11

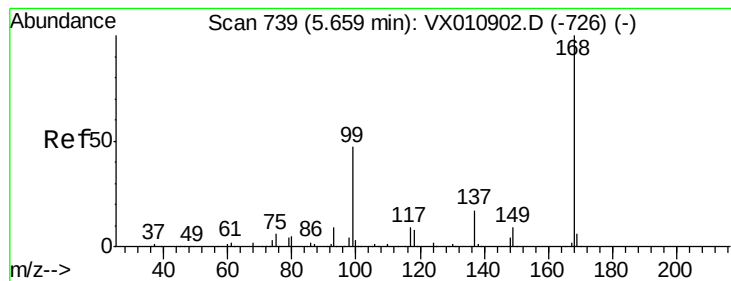
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011034.D

Acq: 22 Jul 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

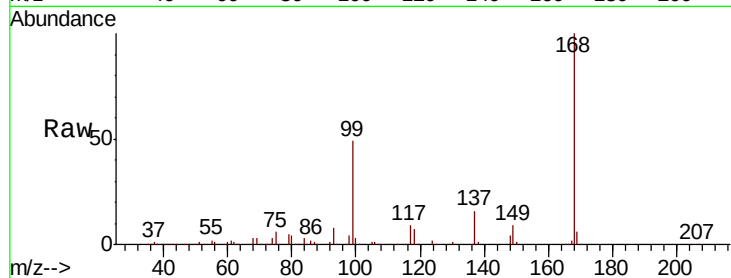
TOTE-COMP

Tot Ion:168 Resp: 227551

Ion Ratio Lower Upper

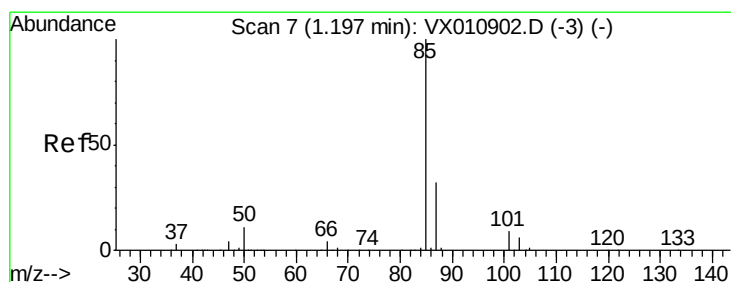
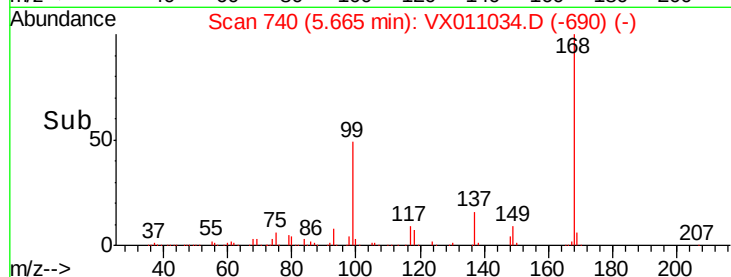
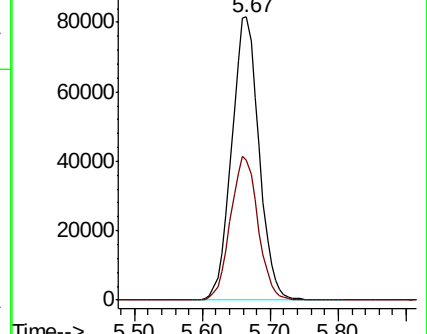
168 100

99 49.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.557 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011034.D

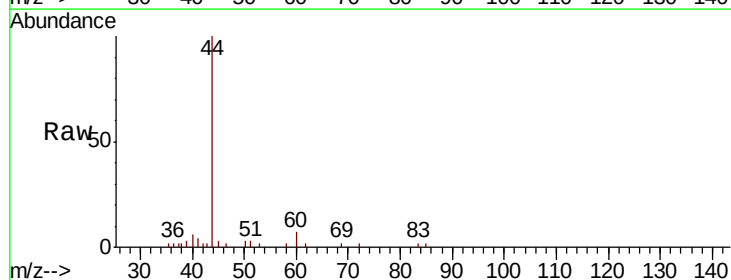
Acq: 22 Jul 2019 16:36

Tgt Ion: 85 Resp: 26

Ion Ratio Lower Upper

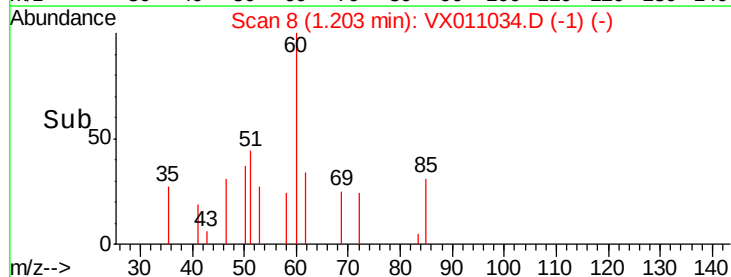
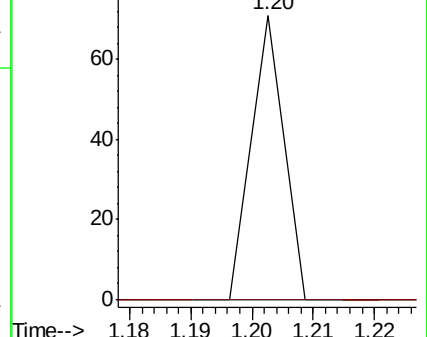
85 100

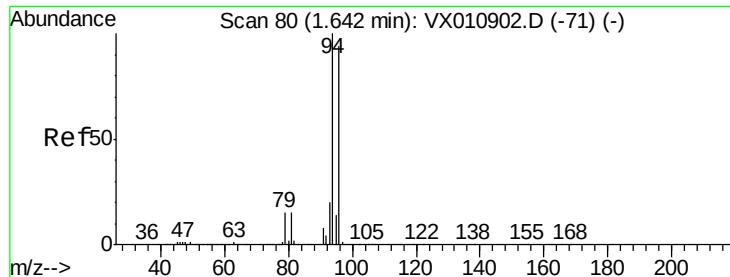
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.215 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011034.D

Acq: 22 Jul 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

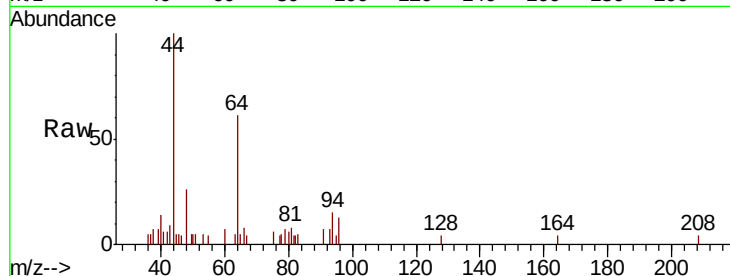
TOTE-COMP

Tot Ion: 94 Resp: 258

Ion Ratio Lower Upper

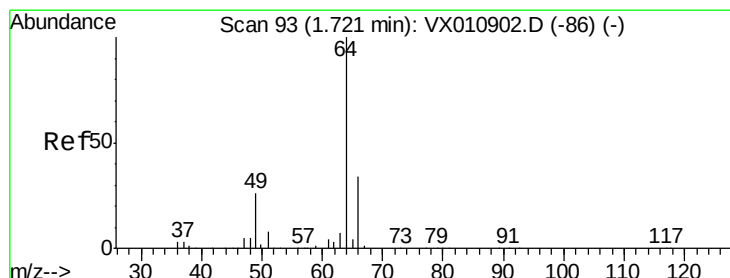
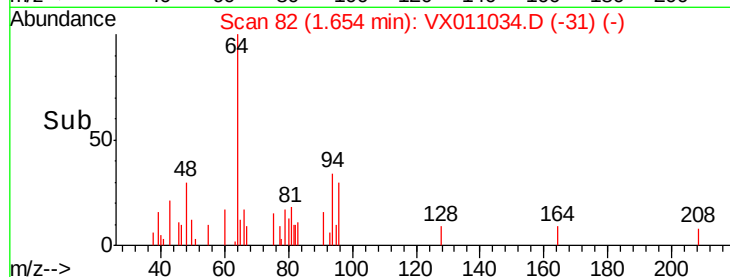
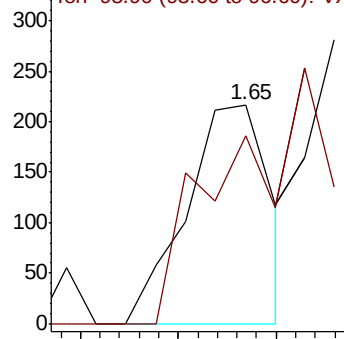
94 100

96 85.7 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.517 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX011034.D

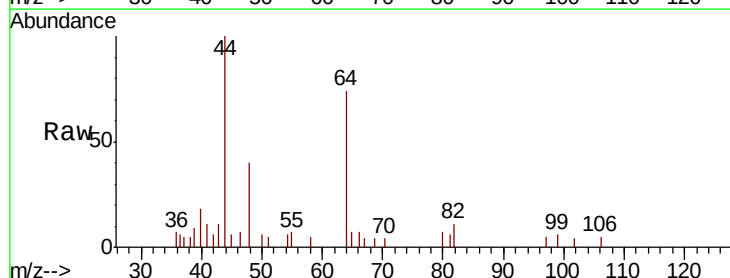
Acq: 22 Jul 2019 16:36

Tgt Ion: 64 Resp: 701

Ion Ratio Lower Upper

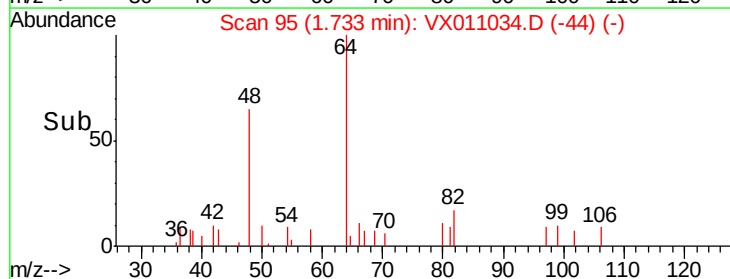
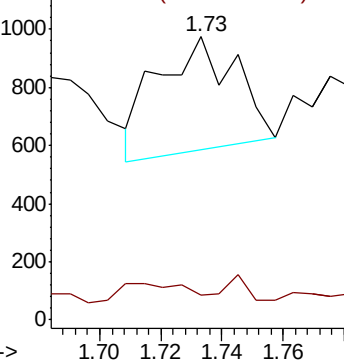
64 100

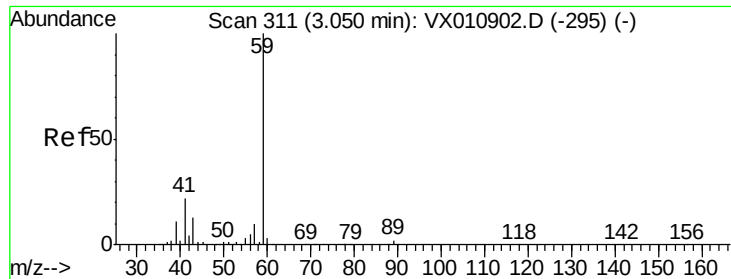
66 4.9 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

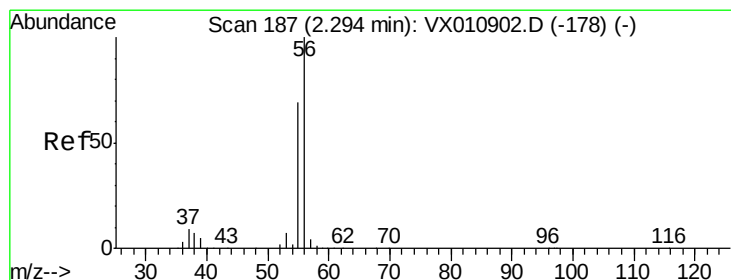
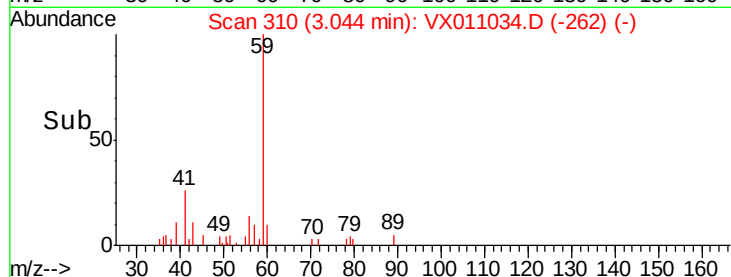
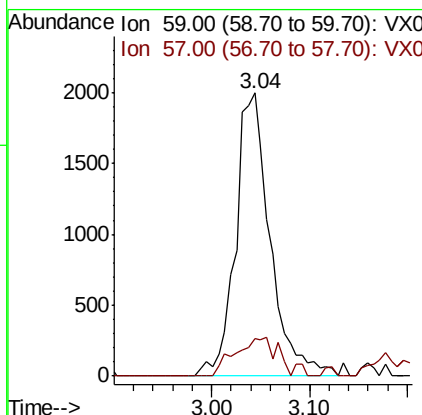
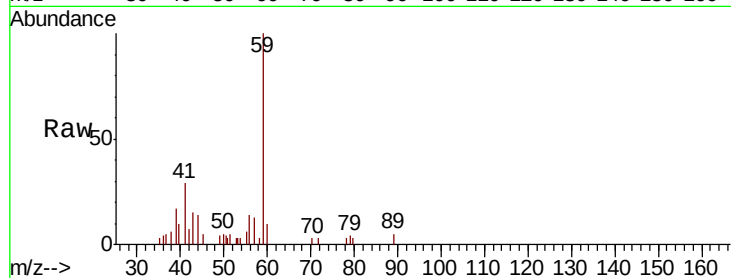




#11
Tert butyl alcohol
Concen: 8.668 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX011034.D
Acq: 22 Jul 2019 16:36

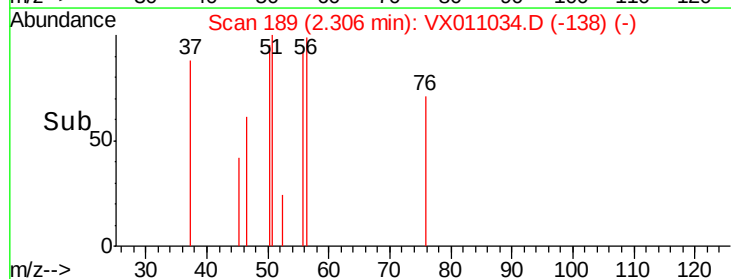
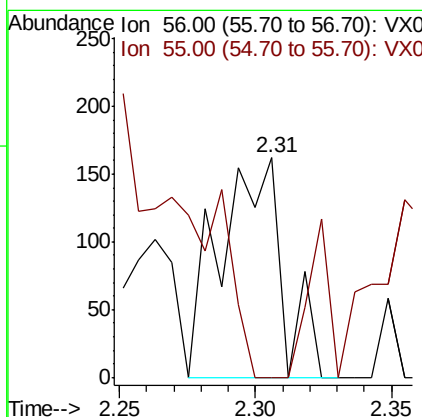
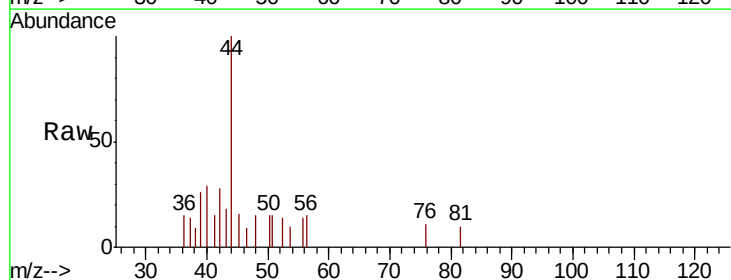
Instrument :
MSVOA_X
ClientSampleId :
TOTE-COMP

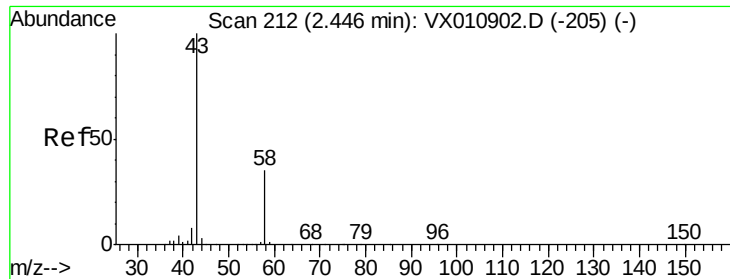
Tot Ion: 59 Resp: 4887
Ion Ratio Lower Upper
59 100
57 16.3 7.9 11.9#



#13
Acrolein
Concen: 0.798 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX011034.D
Acq: 22 Jul 2019 16:36

Tgt Ion: 56 Resp: 260
Ion Ratio Lower Upper
56 100
55 23.8 55.9 83.9#





#16

Acetone

Concen: 5.954 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011034.D

Acq: 22 Jul 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

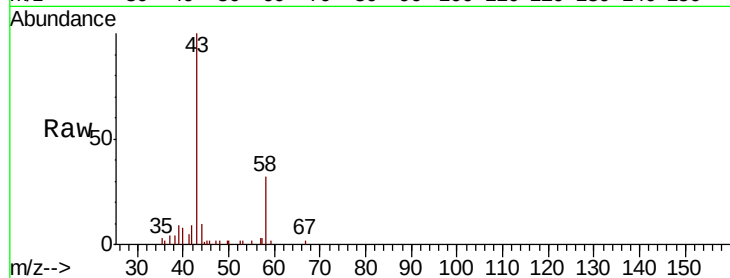
TOTE-COMP

Tot Ion: 43 Resp: 6510

Ion Ratio Lower Upper

43 100

58 28.9 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

4000

3000

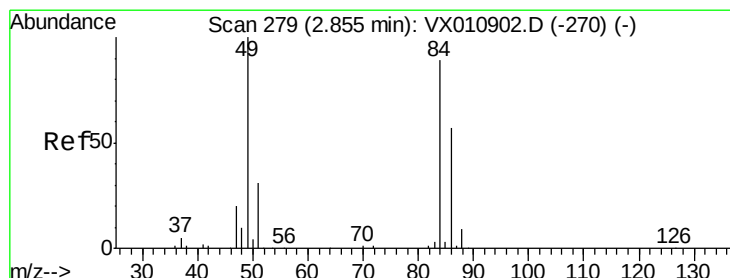
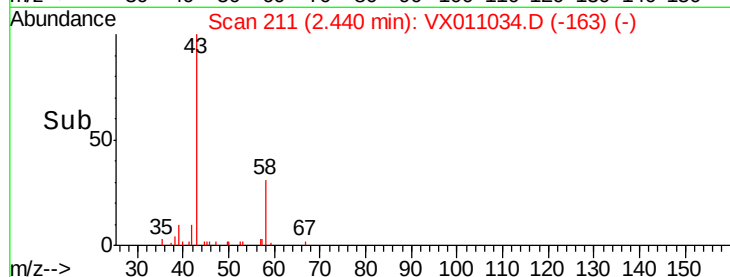
2000

1000

0

Time-->

2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: 0.303 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX011034.D

Acq: 22 Jul 2019 16:36

Tgt Ion: 84 Resp: 702

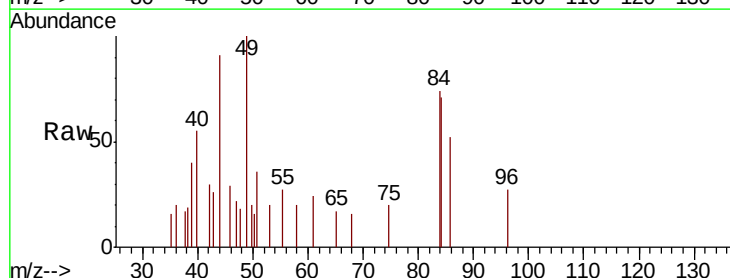
Ion Ratio Lower Upper

84 100

49 69.1 89.9 134.9#

51 13.1 27.8 41.6#

86 35.8 51.8 77.6#



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

600

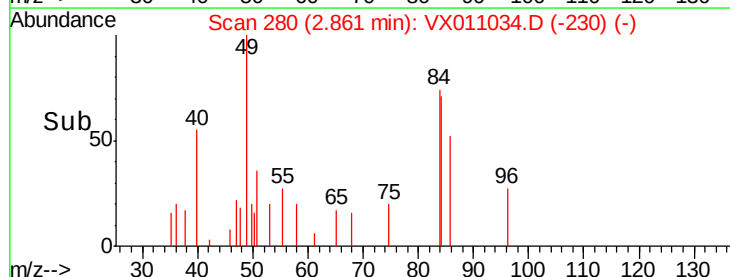
400

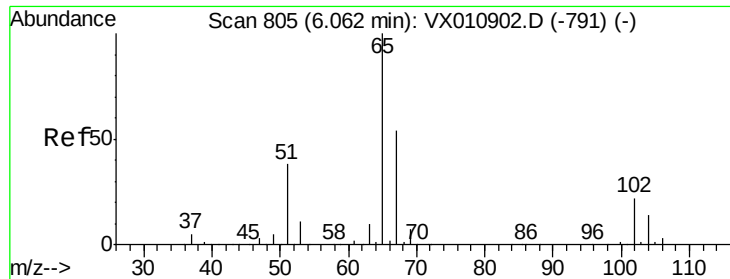
200

0

Time-->

2.80 2.85 2.90

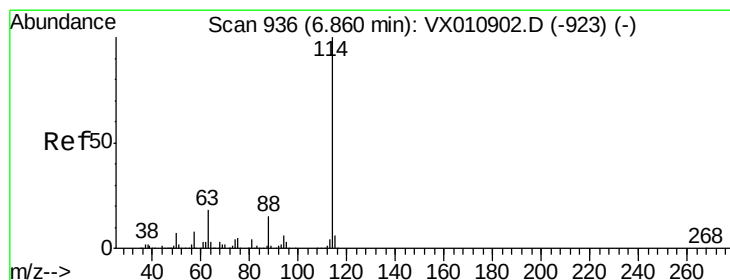
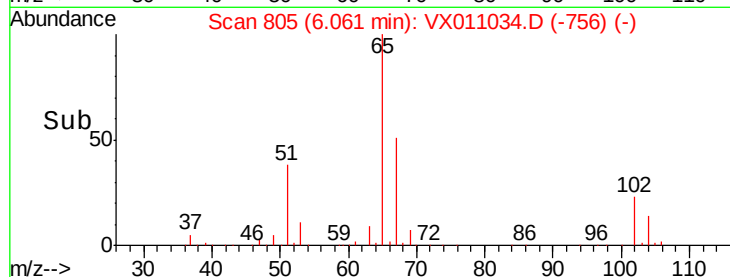
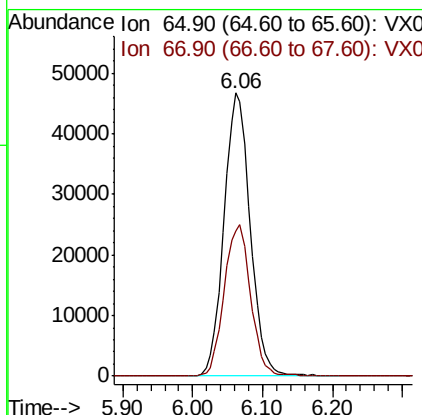
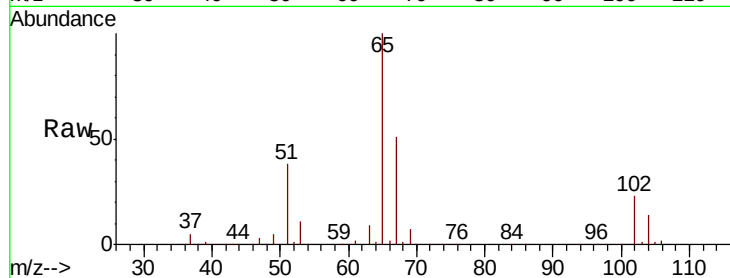




#33
 1,2-Dichloroethane-d4
 Concen: 50.196 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011034.D
 Acq: 22 Jul 2019 16:36

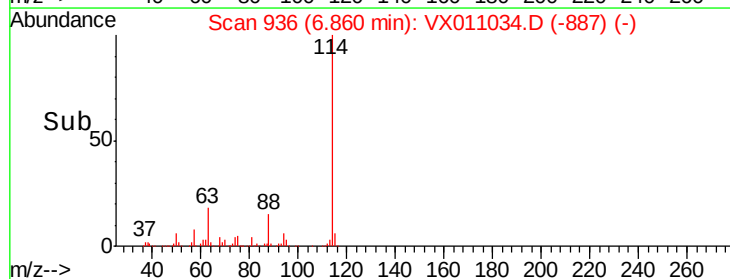
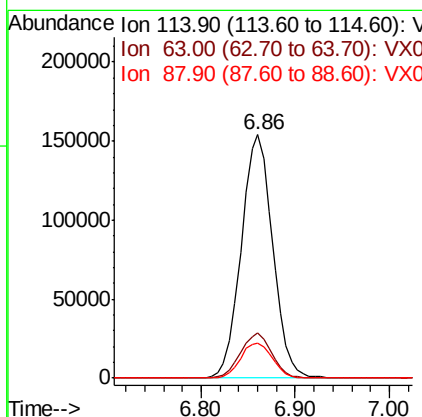
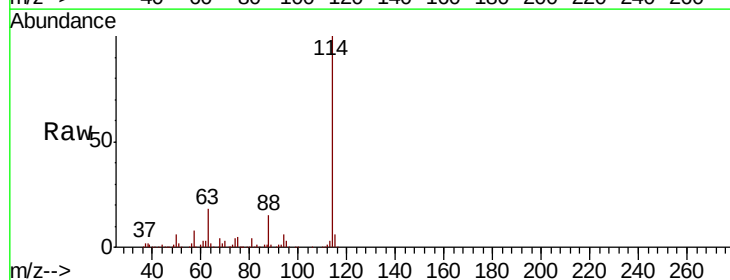
Instrument :
 MSVOA_X
 ClientSampleId :
 TOTE-COMP

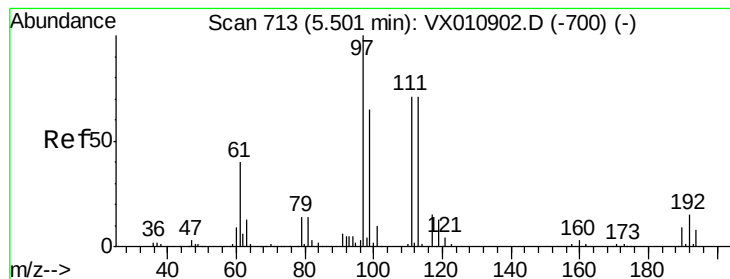
Tot Ion: 65 Resp: 121515
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011034.D
 Acq: 22 Jul 2019 16:36

Tgt Ion: 114 Resp: 357163
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.6
 88 14.6 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.367 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011034.D

Acq: 22 Jul 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

TOTE-COMP

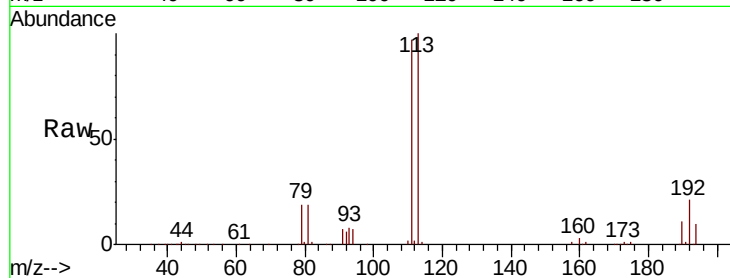
Tot Ion:113 Resp: 111915

Ion Ratio Lower Upper

113 100

111 101.2 82.3 123.5

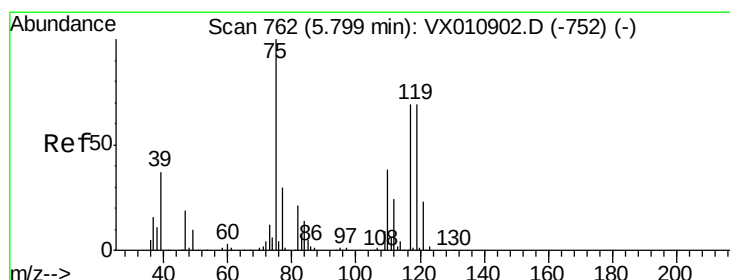
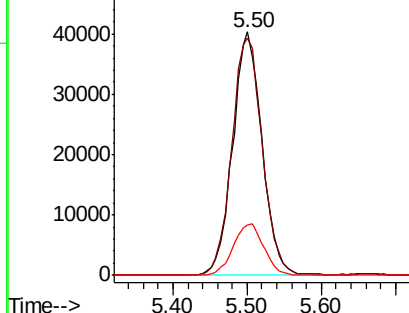
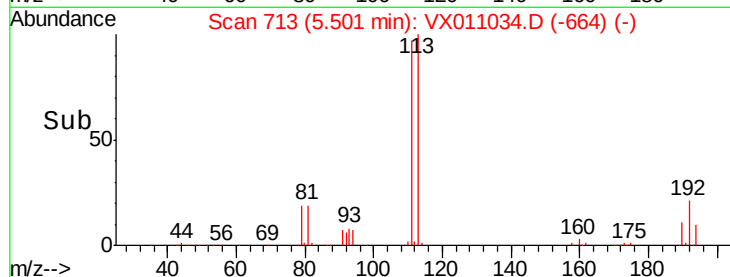
192 22.0 17.4 26.2



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: 5.051 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX011034.D

Acq: 22 Jul 2019 16:36

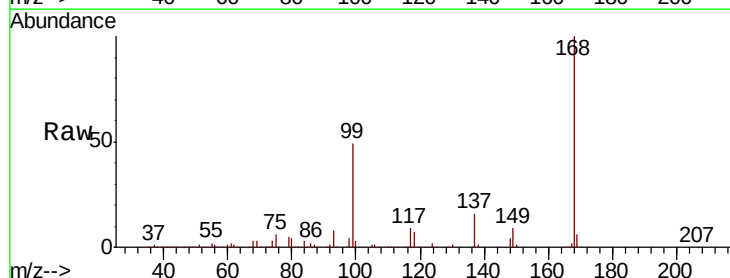
Tgt Ion: 75 Resp: 14818

Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.7#

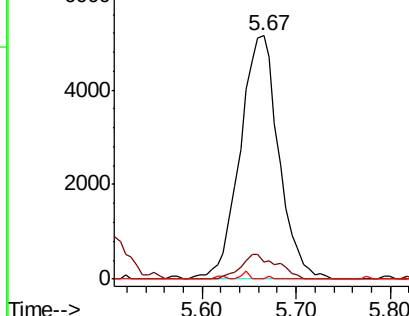
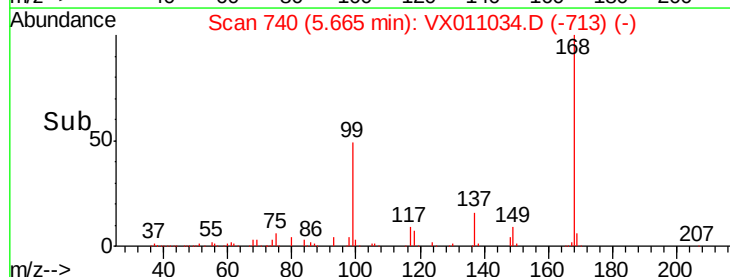
77 0.1 25.0 37.4#

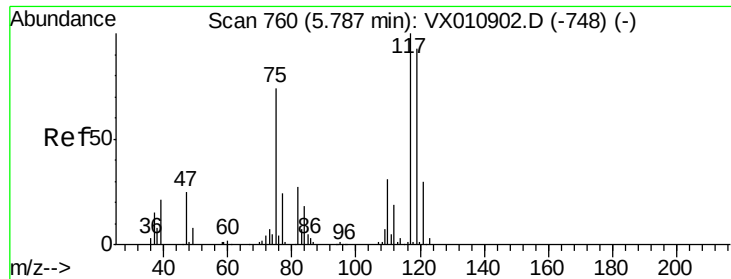


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.924 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX011034.D

Acq: 22 Jul 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

TOTE-COMP

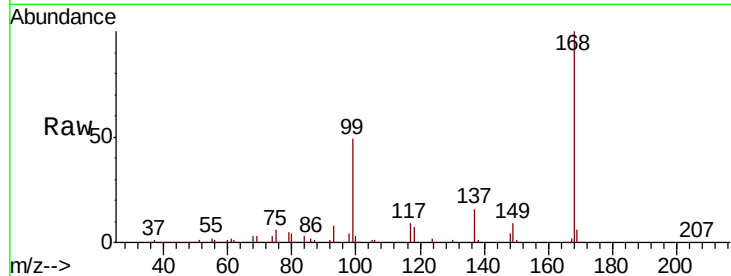
Tot Ion:117 Resp: 21167

Ion Ratio Lower Upper

117 100

119 3.5 74.2 111.2#

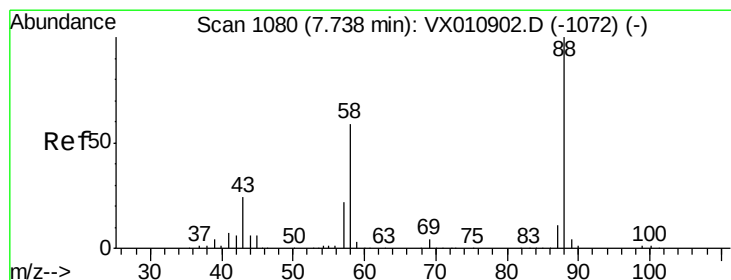
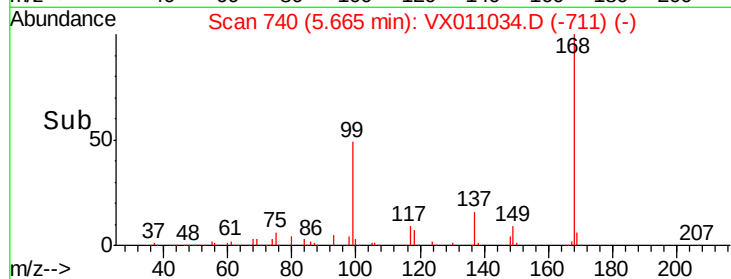
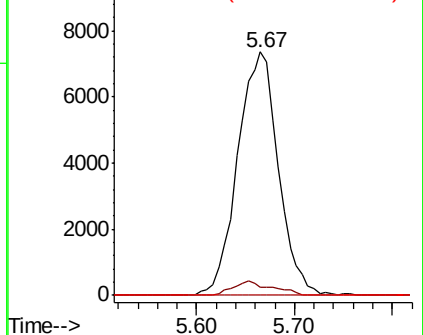
121 0.0 24.2 36.2#



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: 0.579 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX011034.D

Acq: 22 Jul 2019 16:36

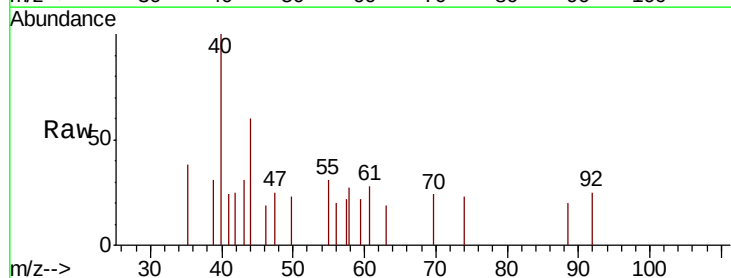
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 292.3 22.9 34.3#

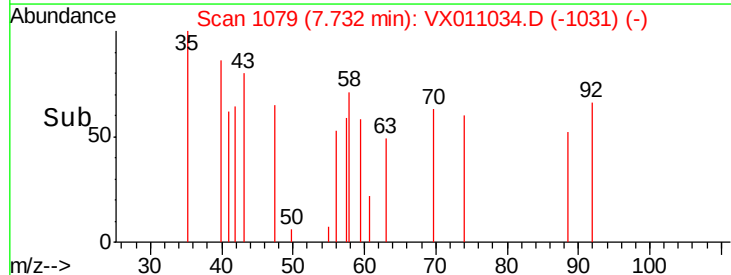
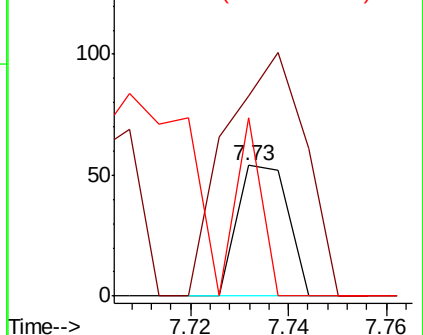
58 0.0 49.8 74.8#

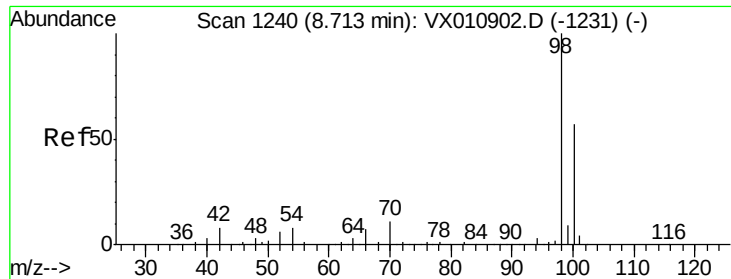


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.740 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011034.D

Acq: 22 Jul 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

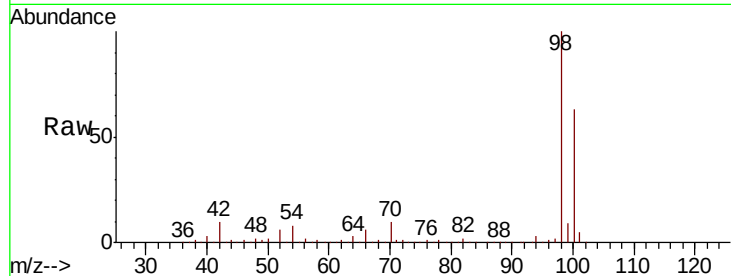
TOTE-COMP

Tot Ion: 98 Resp: 431423

Ion Ratio Lower Upper

98 100

100 63.7 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

300000

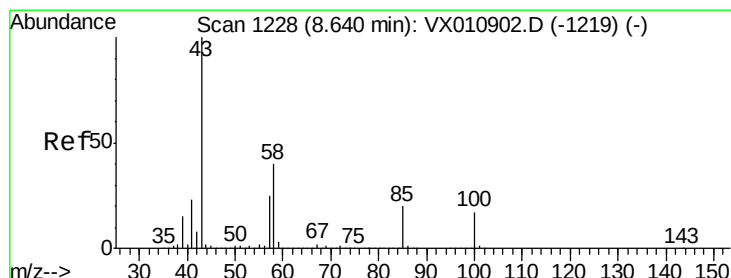
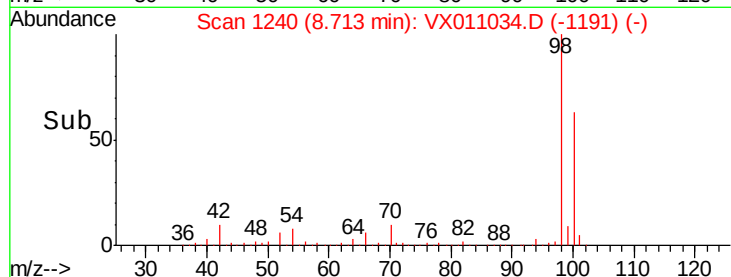
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 0.293 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX011034.D

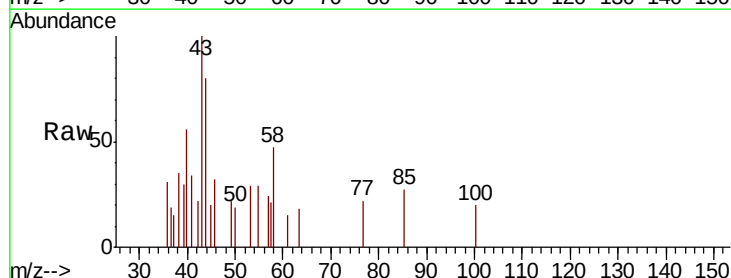
Acq: 22 Jul 2019 16:36

Tgt Ion: 43 Resp: 938

Ion Ratio Lower Upper

43 100

58 40.1 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

1500

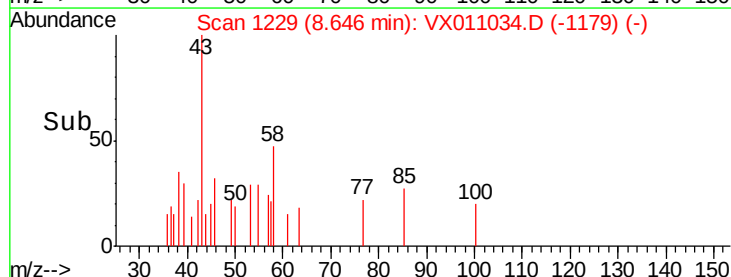
1000

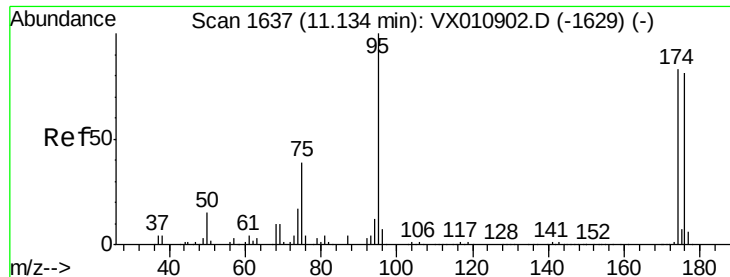
500

0

Time-->

8.60 8.65 8.70

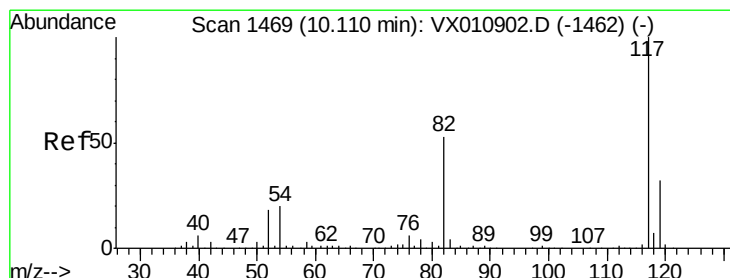
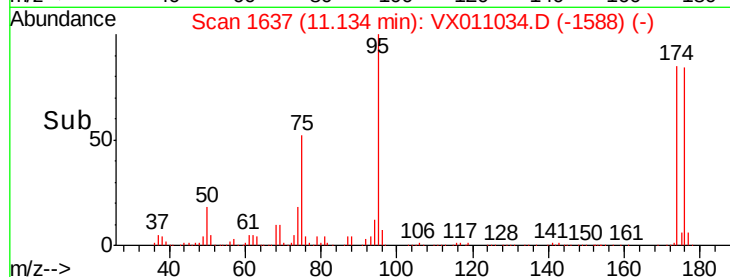
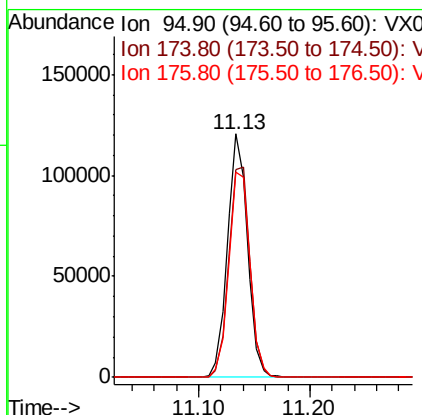
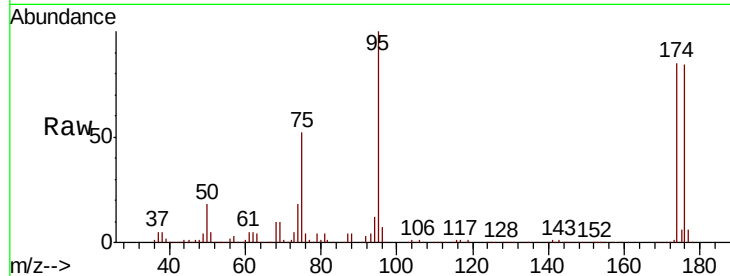




#62
4-Bromofluorobenzene
Concen: 48.170 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011034.D
Acq: 22 Jul 2019 16:36

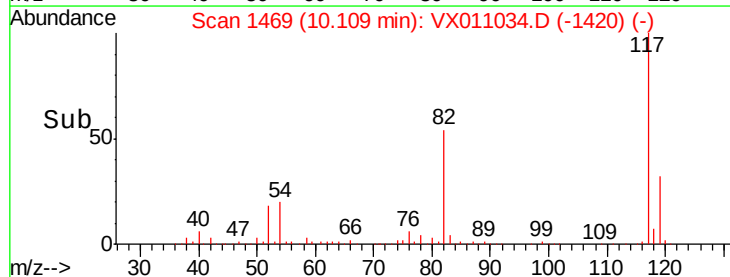
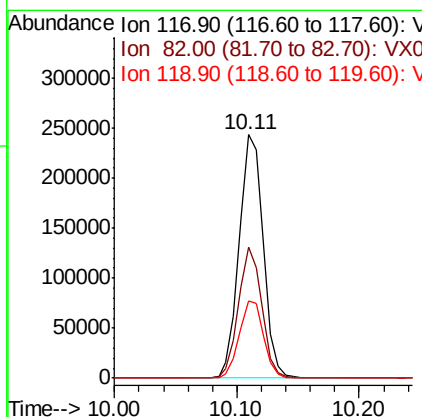
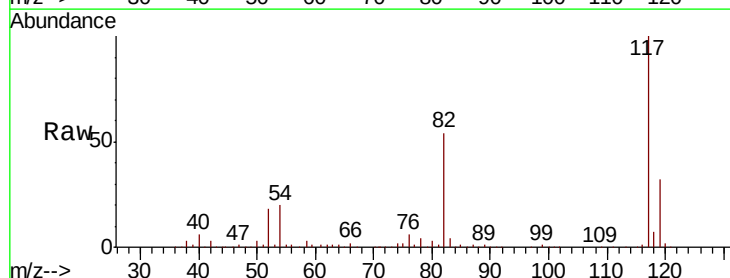
Instrument :
MSVOA_X
ClientSampleId :
TOTE-COMP

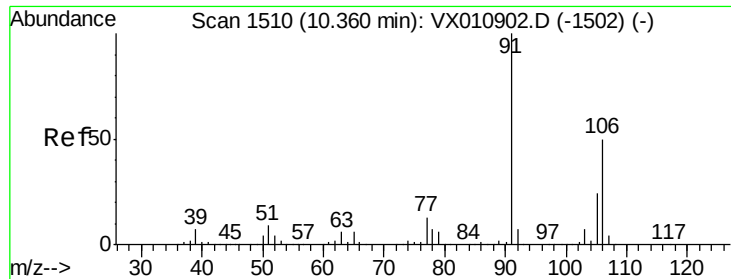
Tot Ion: 95 Resp: 150547
Ion Ratio Lower Upper
95 100
174 91.6 0.0 180.6
176 89.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011034.D
Acq: 22 Jul 2019 16:36

Tgt Ion: 117 Resp: 329893
Ion Ratio Lower Upper
117 100
82 53.6 42.6 63.8
119 32.0 25.9 38.9

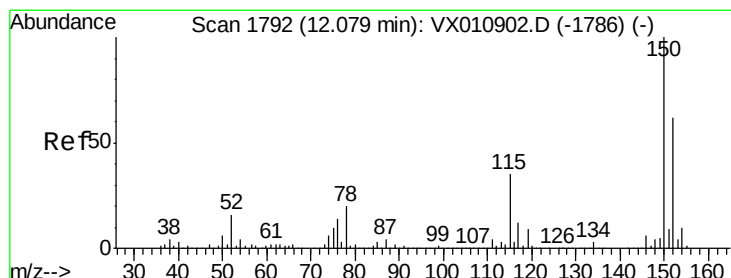
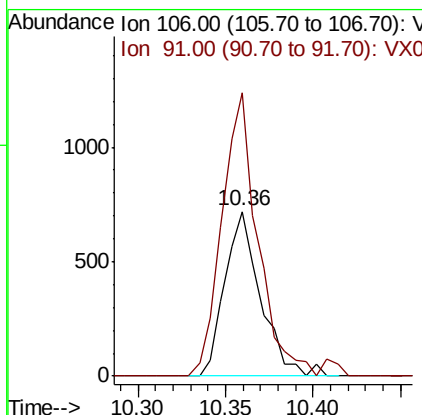
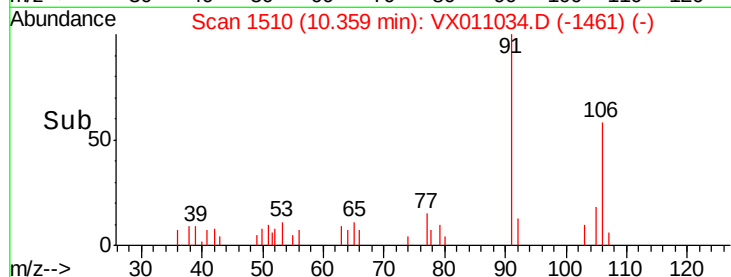
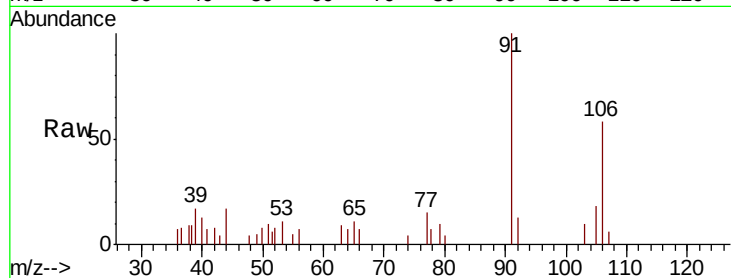




#68
m/p-Xvlenes
Concen: 0.232 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011034.D
Acq: 22 Jul 2019 16:36

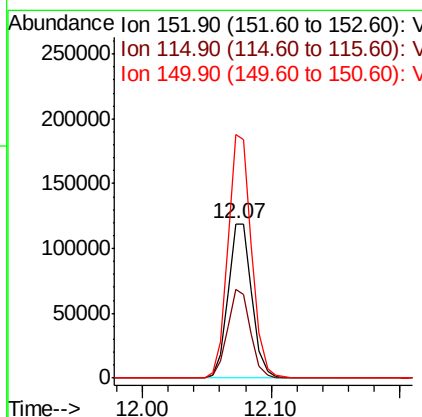
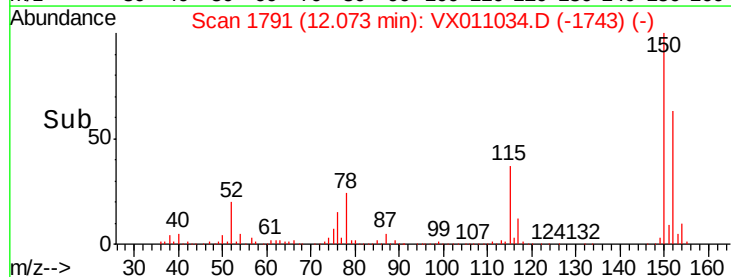
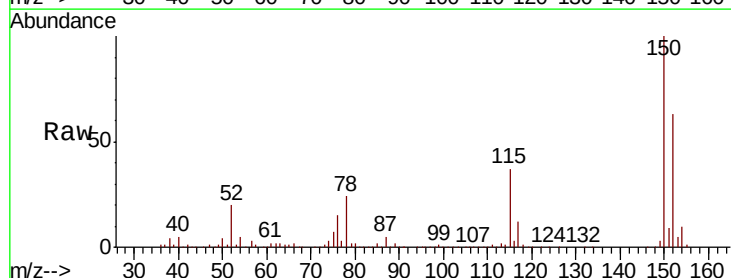
Instrument :
MSVOA_X
ClientSampled :
TOTE-COMP

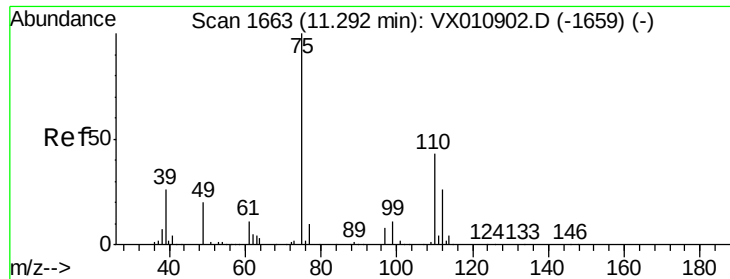
Tot Ion:106 Resp: 1027
Ion Ratio Lower Upper
106 100
91 172.1 160.1 240.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011034.D
Acq: 22 Jul 2019 16:36

Tgt Ion:152 Resp: 153992
Ion Ratio Lower Upper
152 100
115 55.9 39.7 119.1
150 156.2 0.0 345.6

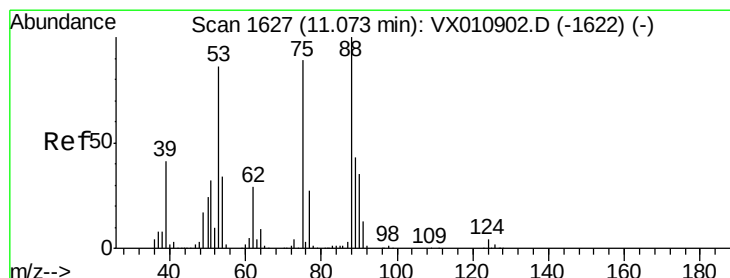
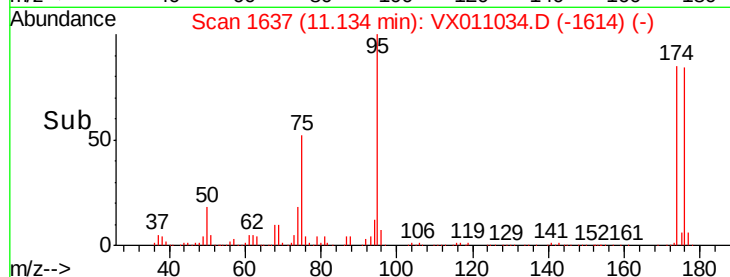
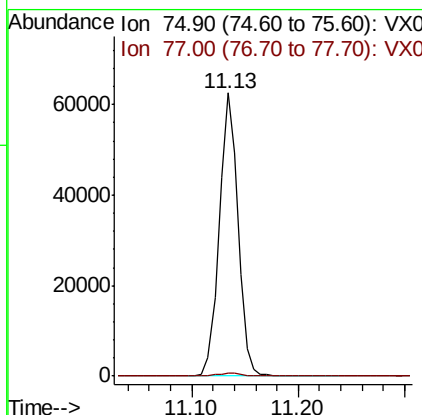
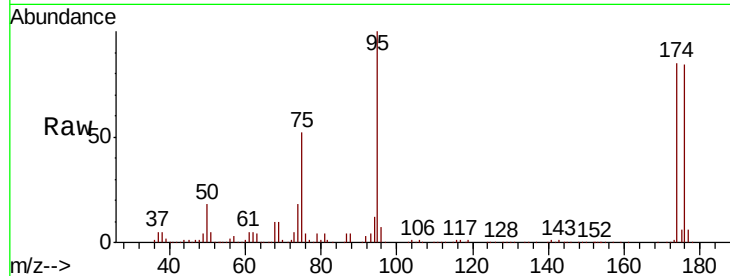




#76
 1,2,3-Trichloropropane
 Concen: 27.579 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011034.D
 Acq: 22 Jul 2019 16:36

Instrument :
 MSVOA_X
 ClientSampleId :
 TOTE-COMP

Tot Ion: 75 Resp: 76639
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.3 64.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.292 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011034.D
 Acq: 22 Jul 2019 16:36

Tgt Ion: 75 Resp: 76639
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.7 115.1#
 89 0.0 38.5 57.7#

