

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010640.D
 Acq On : 03 Jul 2019 15:15
 Operator : JC/SP
 Sample : K3635-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP-28

Quant Time: Jul 04 03:37:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	241218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	373352	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	336804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155134	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	120653	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
35) Dibromofluoromethane	5.49	113	113873	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	8.71	98	444332	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.13	95	149520	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	

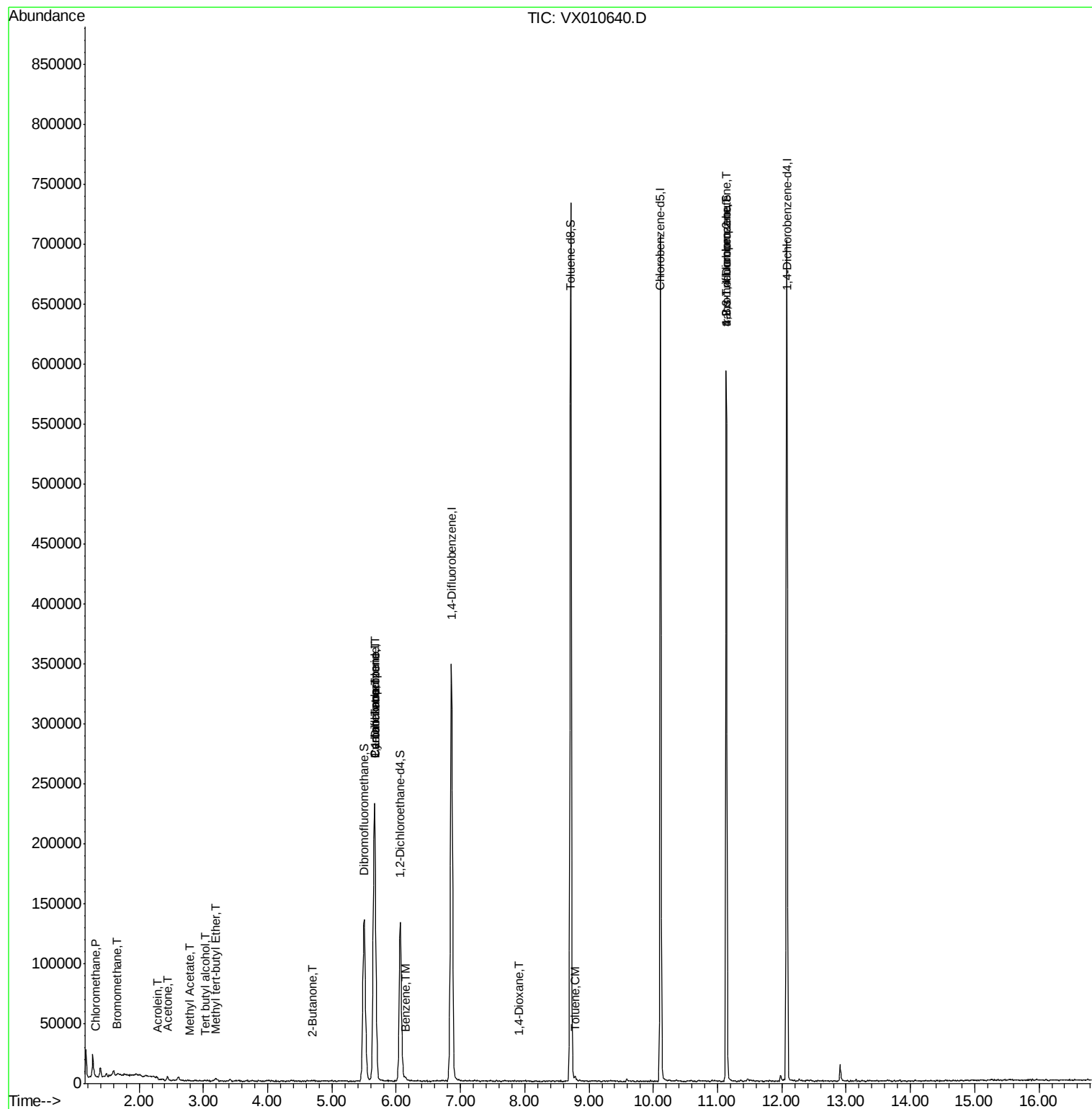
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	413	0.211	ug/l #	20
5) Bromomethane	1.65	94	567	0.544	ug/l	95
11) Tert butyl alcohol	3.04	59	551	0.931	ug/l #	94
13) Acrolein	2.29	56	343	0.874	ug/l #	77
16) Acetone	2.44	43	3456	3.049	ug/l	95
18) Methyl Acetate	2.78	43	753	0.333	ug/l #	53
19) Methyl tert-butyl Ether	3.20	73	1952	0.297	ug/l #	64
25) 2-Butanone	4.70	43	726	0.437	ug/l #	52
31) Cyclohexane	5.66	56	4596	1.407	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15176	5.115	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21993	6.846	ug/l #	15
40) Benzene	6.15	78	3230	0.349	ug/l #	81
49) 1,4-Dioxane	7.90	88	42	0.621	ug/l #	1
52) Toluene	8.78	92	1256	0.206	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	72040	25.483	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	72040	59.450	ug/l #	16

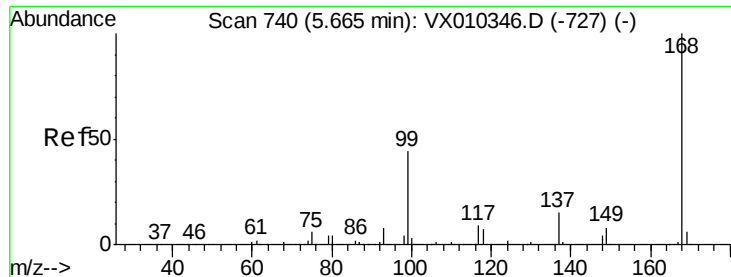
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010640.D

Acq: 03 Jul 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

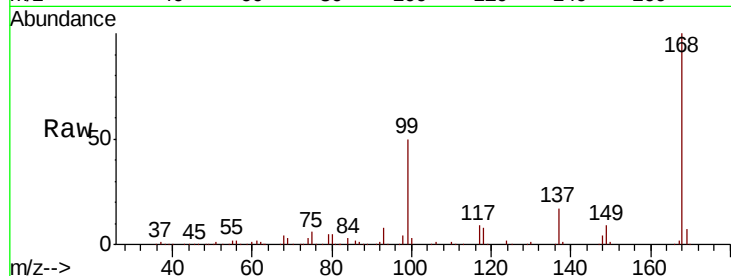
WP-28

Tot Ion:168 Resp: 241218

Ion Ratio Lower Upper

168 100

99 50.0 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

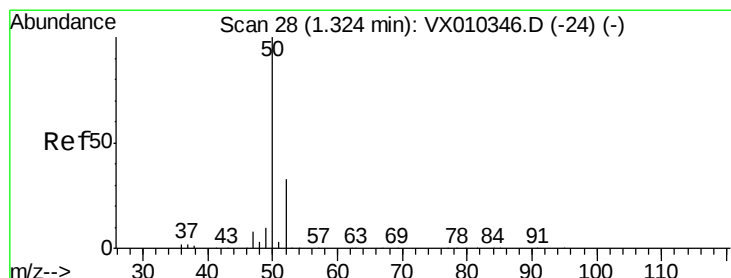
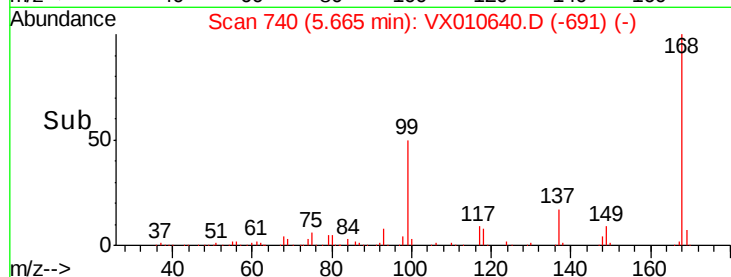
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.211 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010640.D

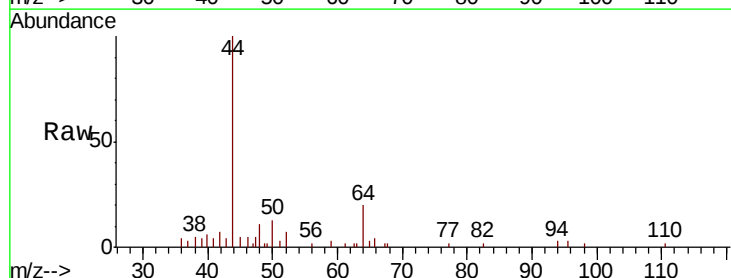
Acq: 03 Jul 2019 15:15

Tgt Ion: 50 Resp: 413

Ion Ratio Lower Upper

50 100

52 78.5 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

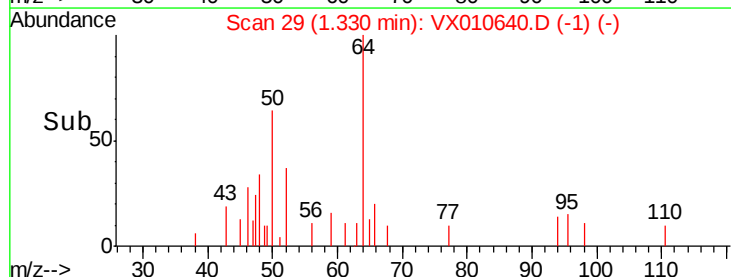
300

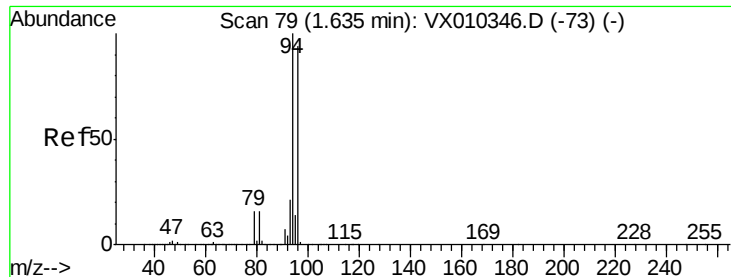
200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.544 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010640.D

Acq: 03 Jul 2019 15:15

Instrument :

MSVOA_X

ClientSampled :

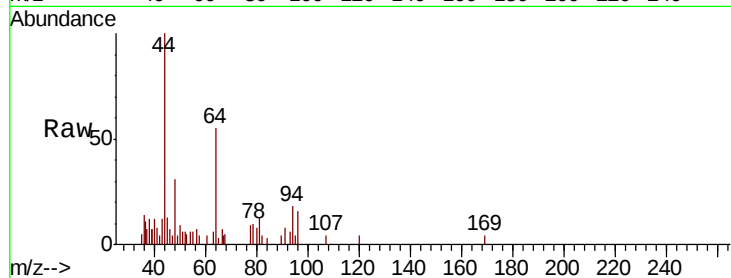
WP-28

Tot Ion: 94 Resp: 567

Ion Ratio Lower Upper

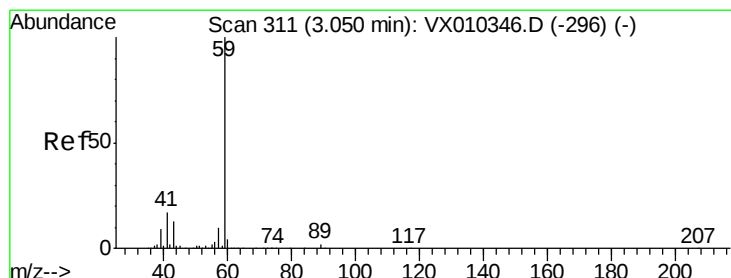
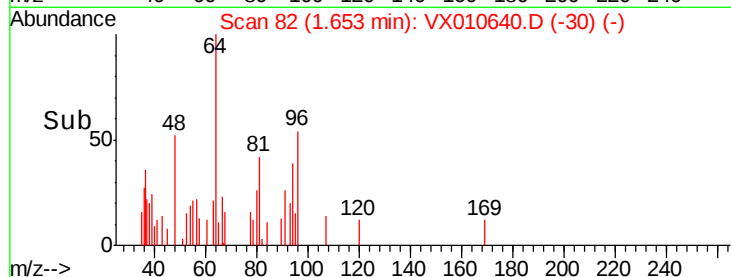
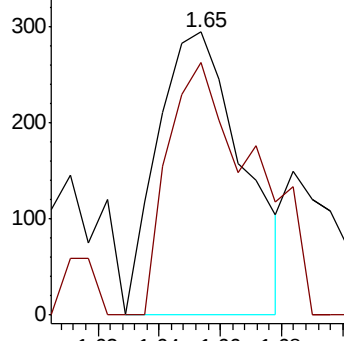
94 100

96 89.5 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.931 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX010640.D

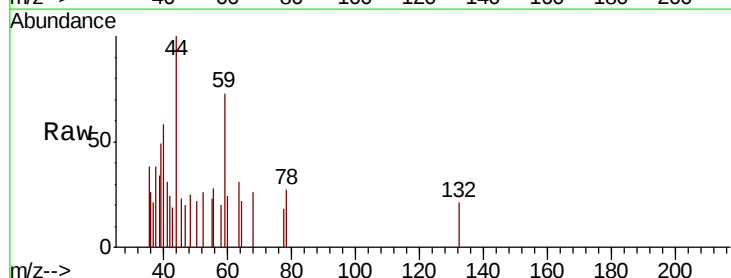
Acq: 03 Jul 2019 15:15

Tgt Ion: 59 Resp: 551

Ion Ratio Lower Upper

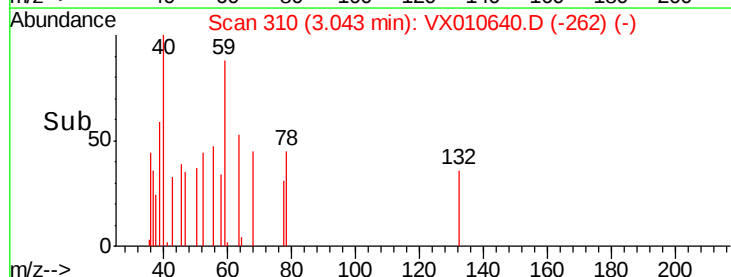
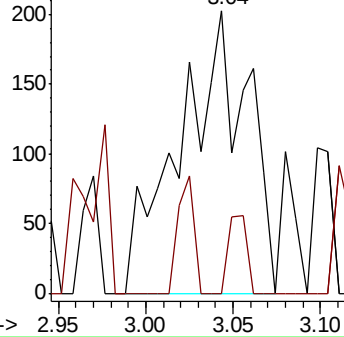
59 100

57 7.4 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.874 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010640.D

Acq: 03 Jul 2019 15:15

Instrument :

MSVOA_X

ClientSampled :

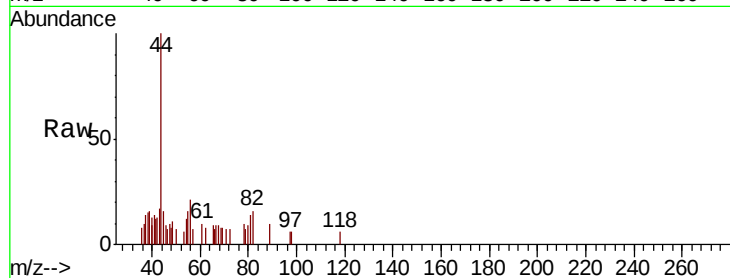
WP-28

Tot Ion: 56 Resp: 343

Ion Ratio Lower Upper

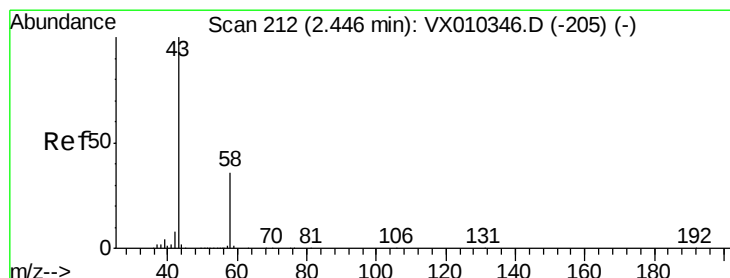
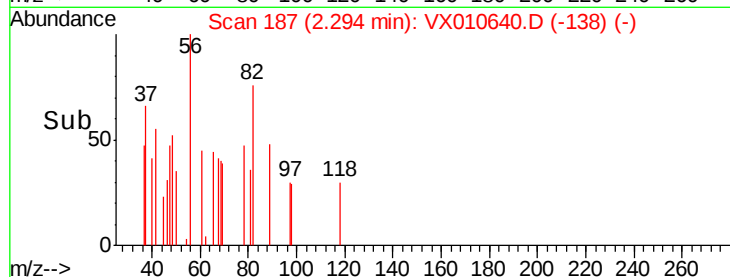
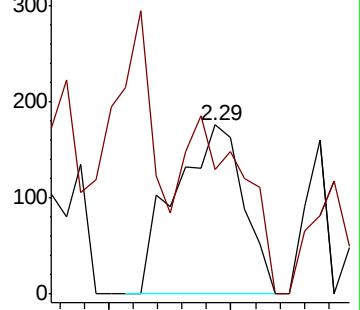
56 100

55 90.1 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.049 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010640.D

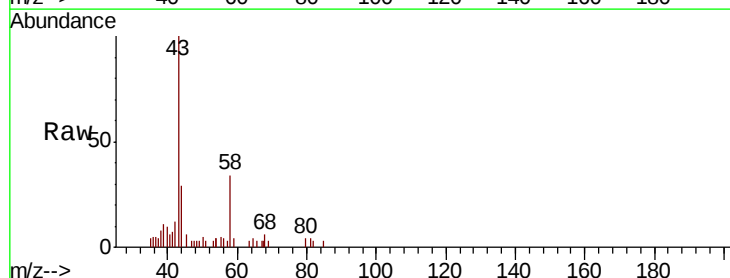
Acq: 03 Jul 2019 15:15

Tgt Ion: 43 Resp: 3456

Ion Ratio Lower Upper

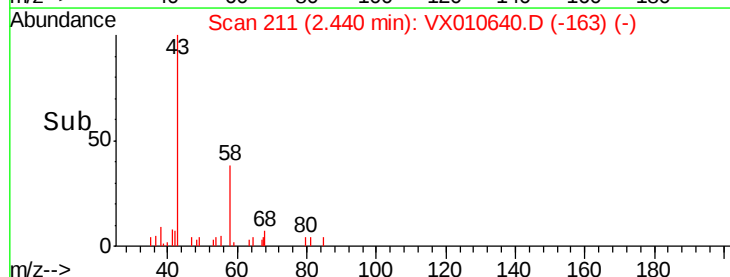
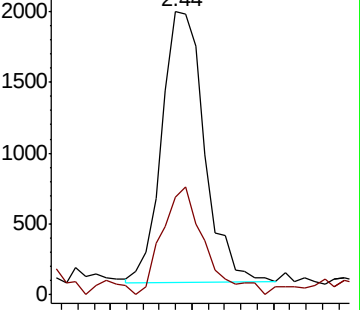
43 100

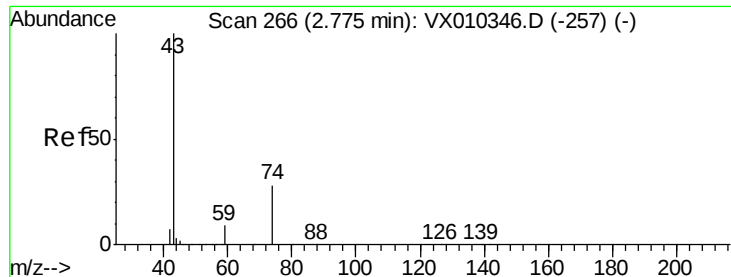
58 32.9 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

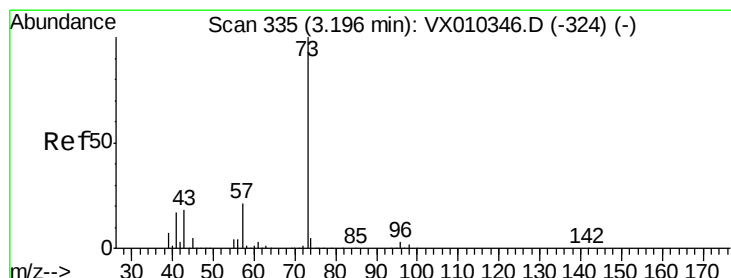
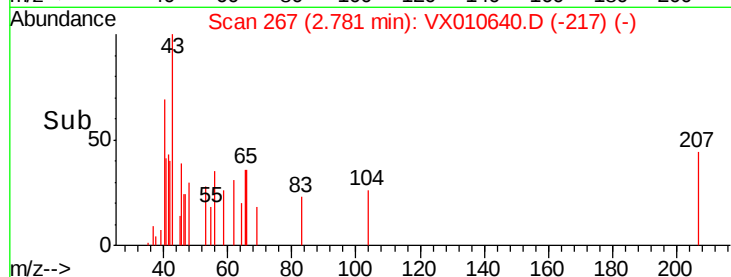
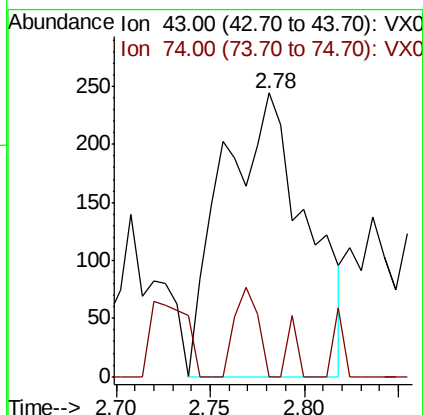
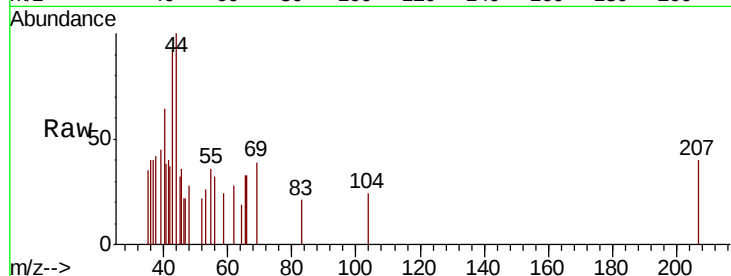




#18
Methyl Acetate
Concen: 0.333 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010640.D
Acq: 03 Jul 2019 15:15

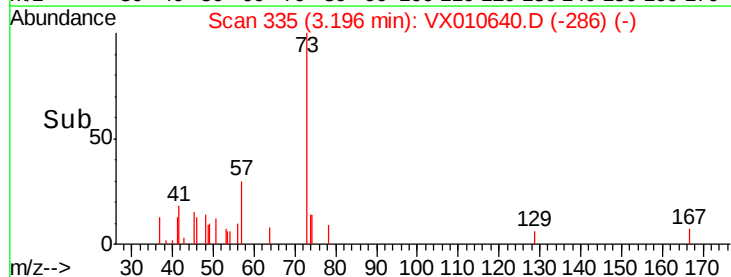
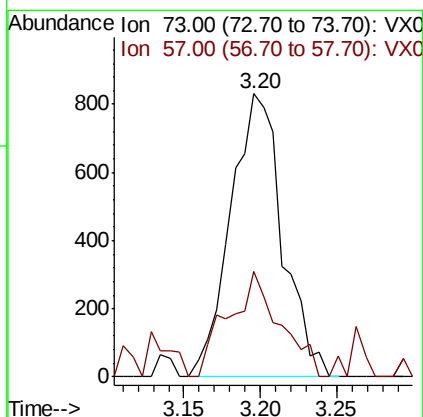
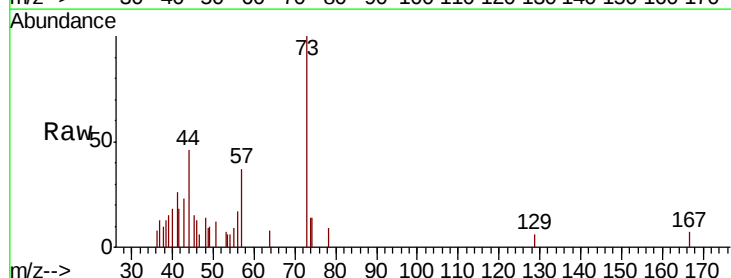
Instrument :
MSVOA_X
ClientSampled :
WP-28

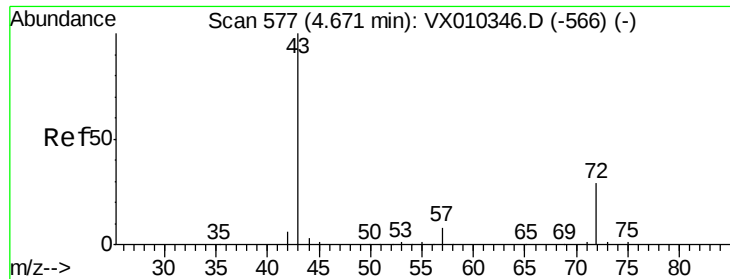
Tot Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
74 2.5 21.3 31.9#



#19
Methyl tert-butyl Ether
Concen: 0.297 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010640.D
Acq: 03 Jul 2019 15:15

Tgt Ion: 73 Resp: 1952
Ion Ratio Lower Upper
73 100
57 37.4 16.4 24.6#





#25

2-Butanone

Concen: 0.437 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010640.D

Acq: 03 Jul 2019 15:15

Instrument :

MSVOA_X

ClientSampled :

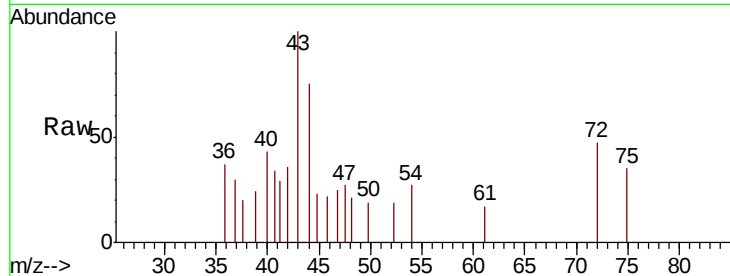
WP-28

Tot Ion: 43 Resp: 726

Ion Ratio Lower Upper

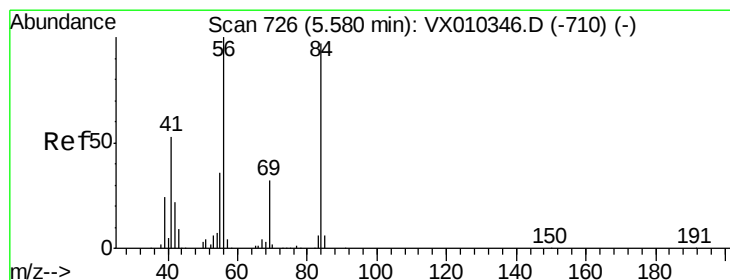
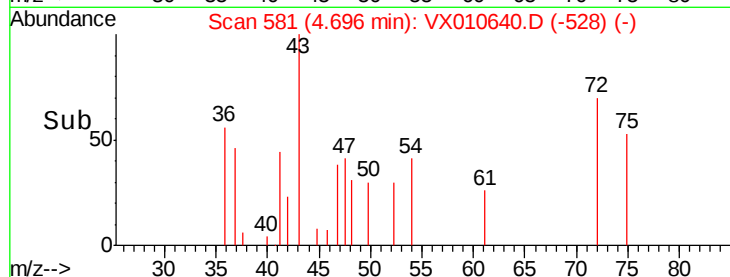
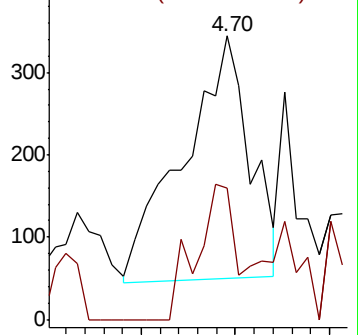
43 100

72 54.8 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.407 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX010640.D

Acq: 03 Jul 2019 15:15

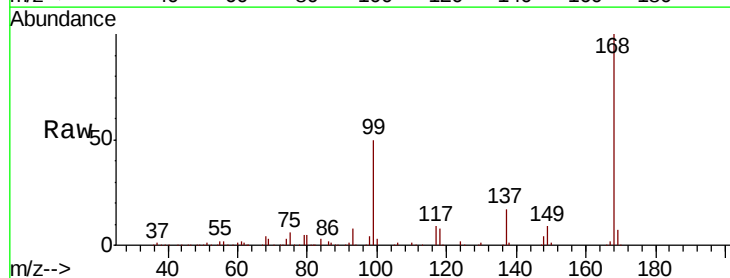
Tgt Ion: 56 Resp: 4596

Ion Ratio Lower Upper

56 100

69 181.3 25.9 38.9#

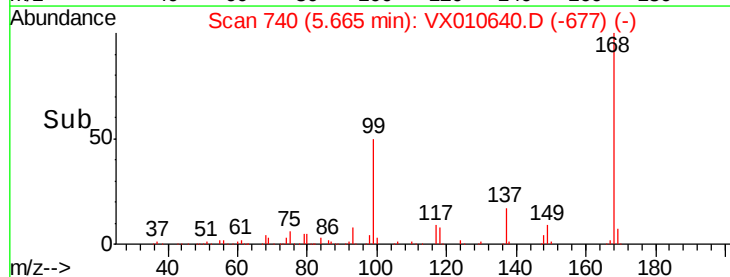
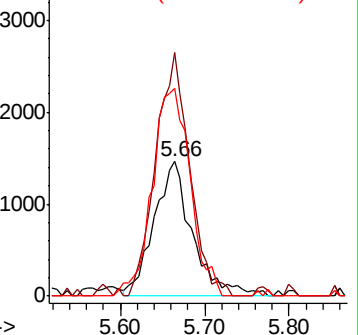
84 155.0 78.0 117.0#

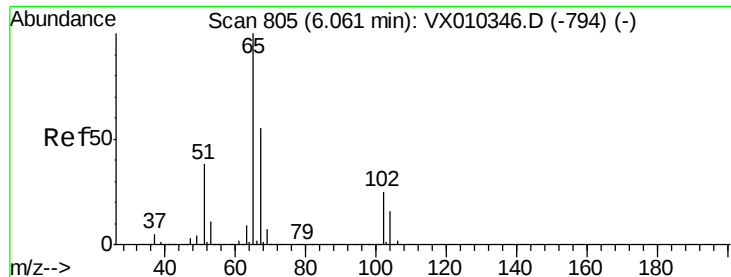


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.347 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010640.D

Acq: 03 Jul 2019 15:15

Instrument :

MSVOA_X

ClientSampled :

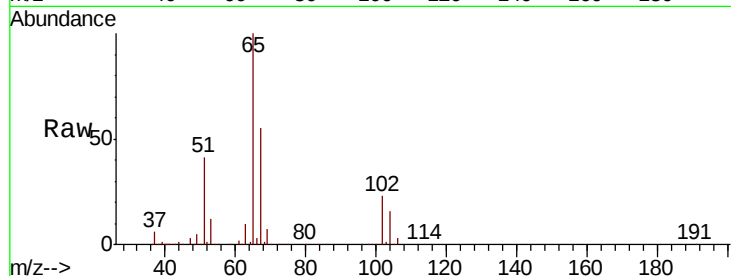
WP-28

Tot Ion: 65 Resp: 120653

Ion Ratio Lower Upper

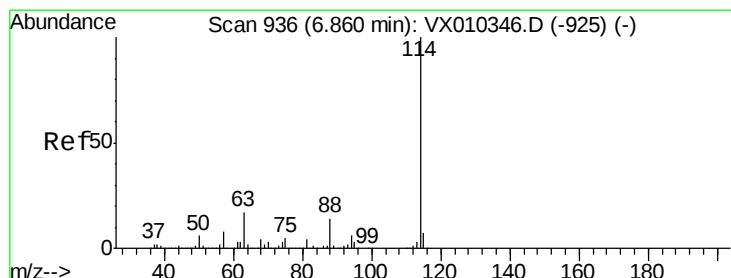
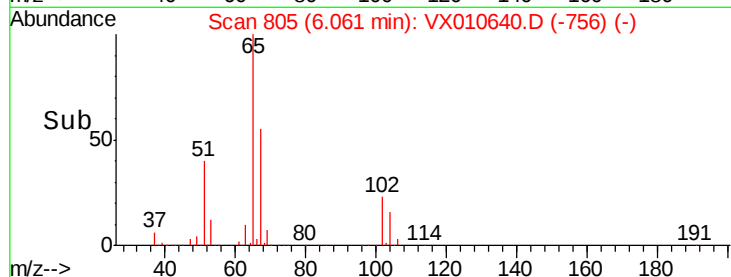
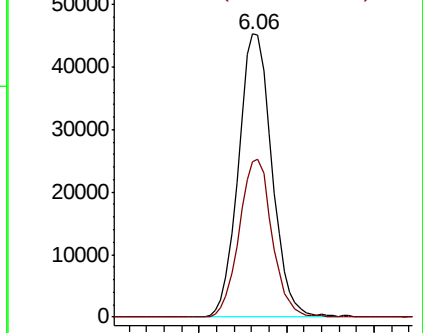
65 100

67 54.6 0.0 110.2



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: VX010640.D

Acq: 03 Jul 2019 15:15

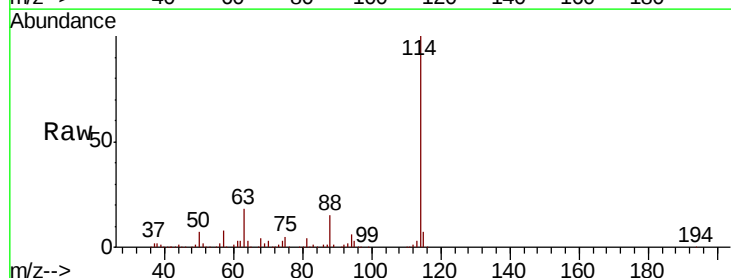
Tgt Ion: 114 Resp: 373352

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

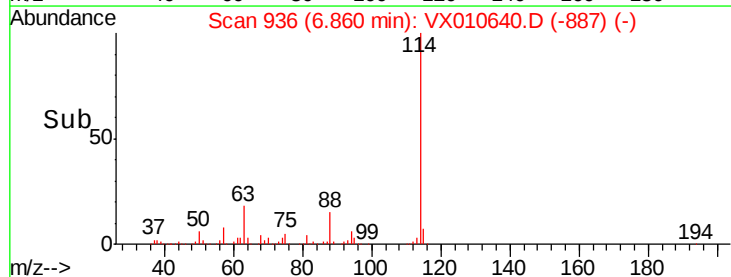
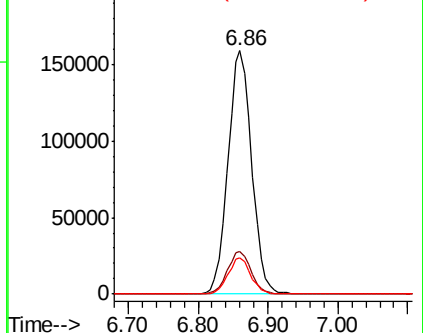
88 14.7 0.0 27.6

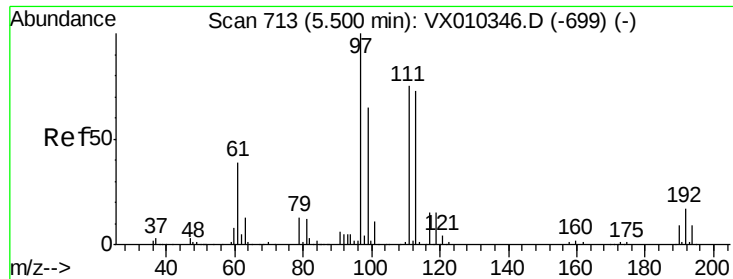


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

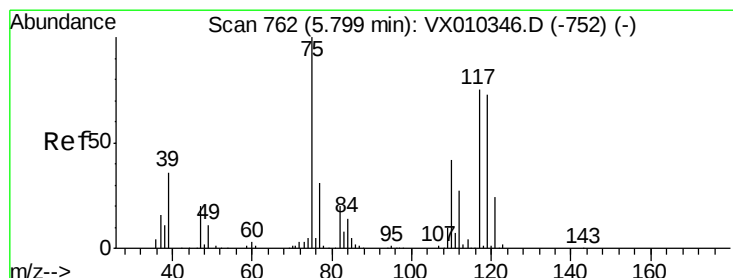
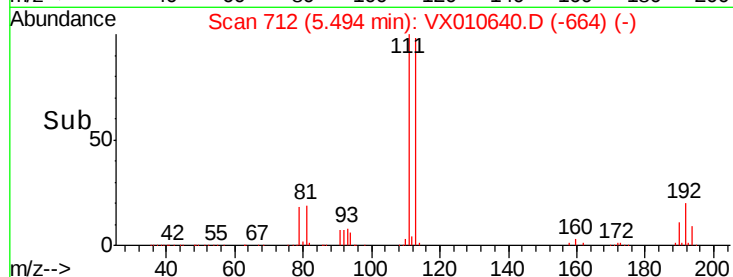
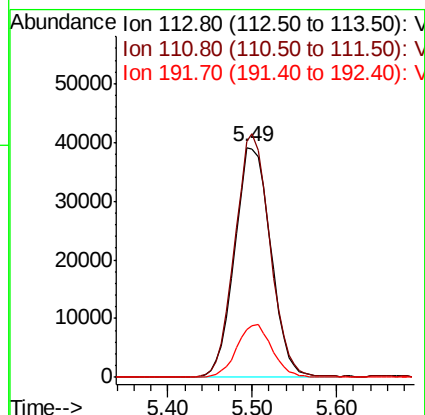
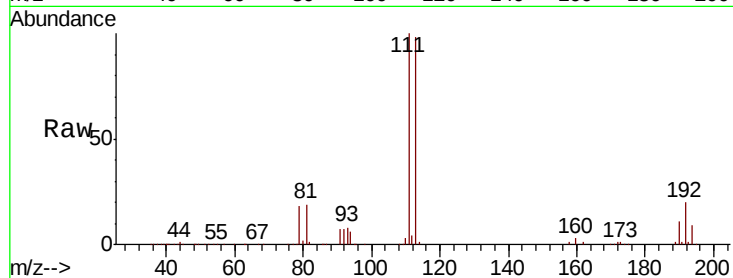




#35
 Dibromofluoromethane
 Concen: 49.850 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010640.D
 Acq: 03 Jul 2019 15:15

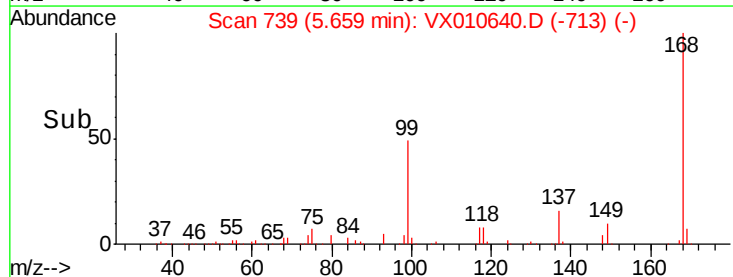
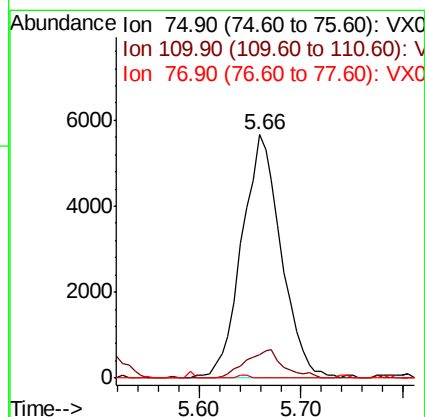
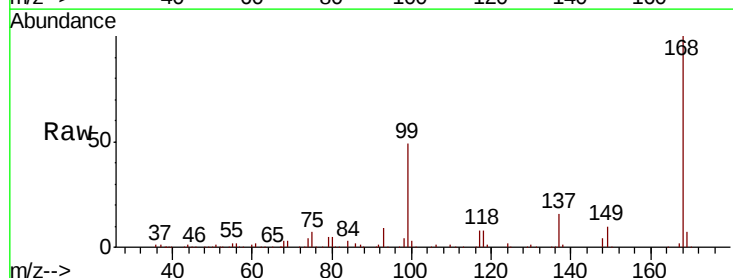
Instrument :
 MSVOA_X
 ClientSampled :
 WP-28

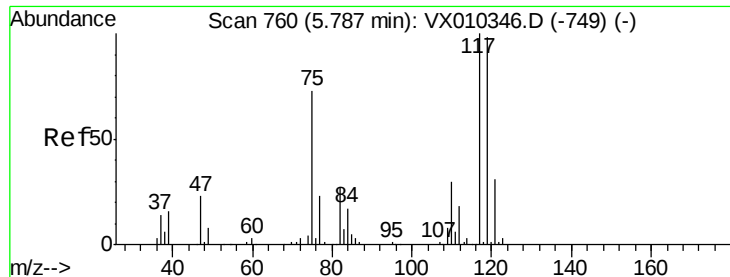
Tot Ion:113 Resp: 113873
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.2 121.8
 192 22.3 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.115 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010640.D
 Acq: 03 Jul 2019 15:15

Tgt Ion: 75 Resp: 15176
 Ion Ratio Lower Upper
 75 100
 110 11.3 20.8 62.2#
 77 0.0 25.4 38.0#

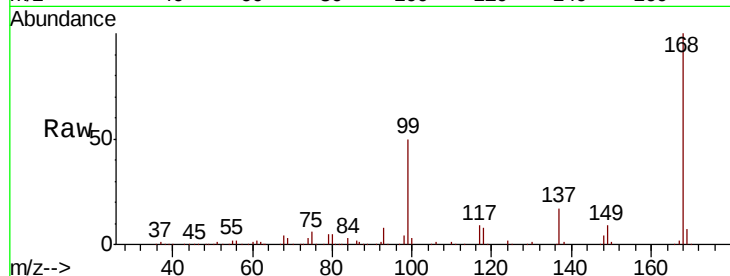




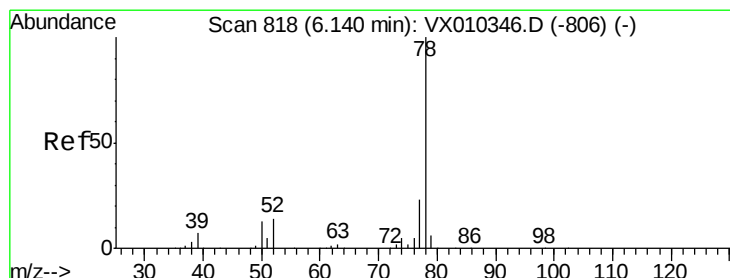
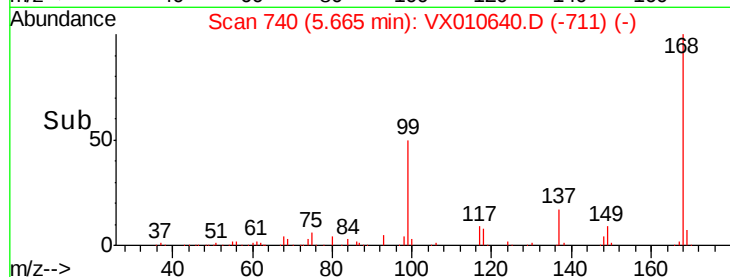
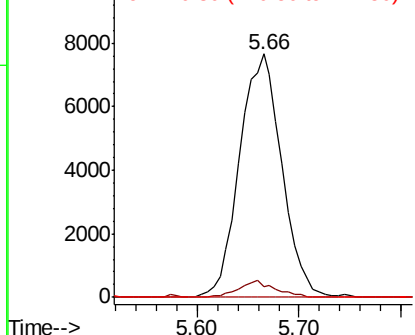
#38
Carbon Tetrachloride
Concen: 6.846 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010640.D
Acq: 03 Jul 2019 15:15

Instrument :
MSVOA_X
ClientSampled :
WP-28

Tot Ion:117 Resp: 21993
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.4#
121 0.0 24.7 37.1#

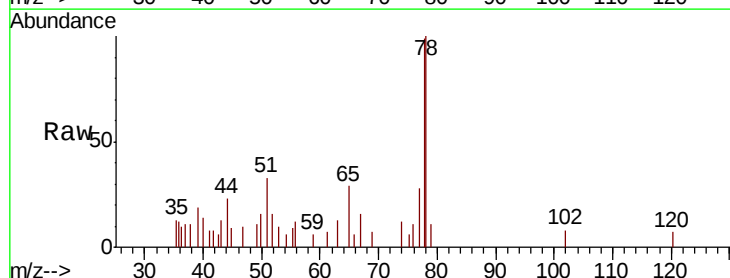


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

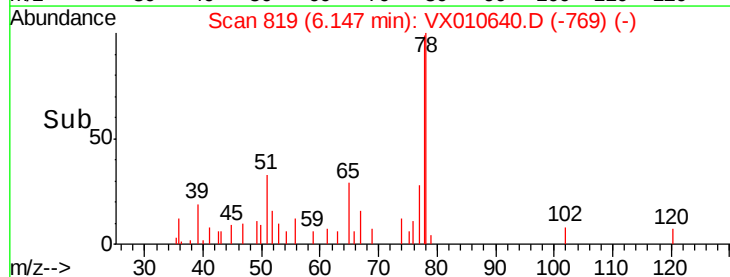
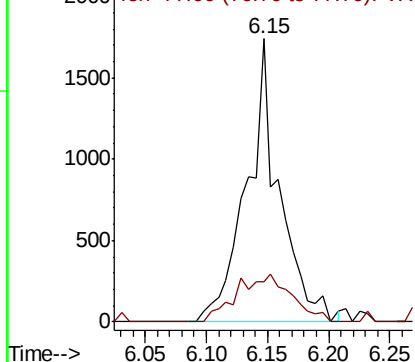


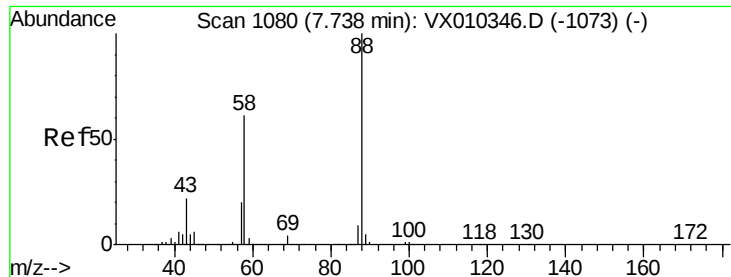
#40
Benzene
Concen: 0.349 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010640.D
Acq: 03 Jul 2019 15:15

Tgt Ion: 78 Resp: 3230
Ion Ratio Lower Upper
78 100
77 14.1 18.6 28.0#



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

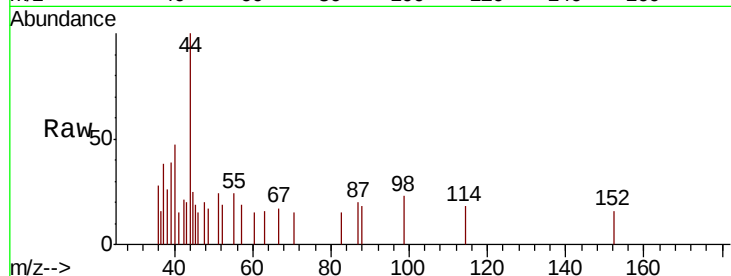




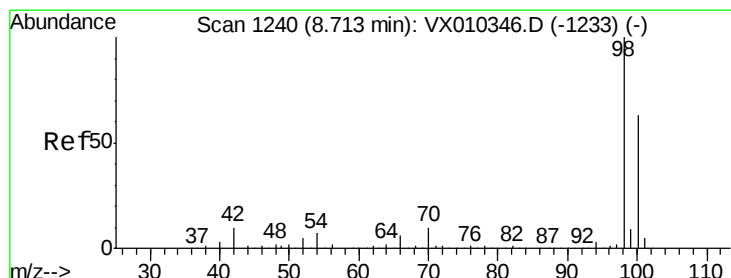
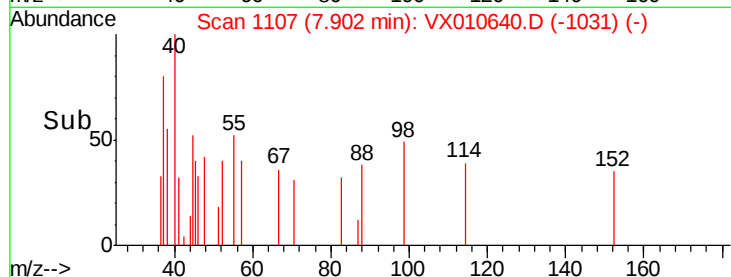
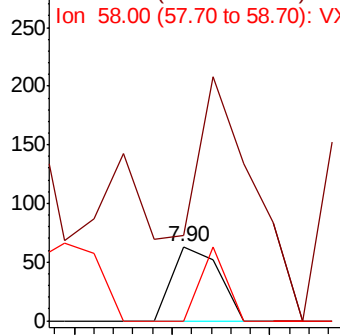
#49
1,4-Dioxane
Concen: 0.621 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.16 min
Lab File: VX010640.D
Acq: 03 Jul 2019 15:15

Instrument :
MSVOA_X
ClientSampled :
WP-28

Tot Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 435.7 20.2 30.2#
58 54.8 49.5 74.3

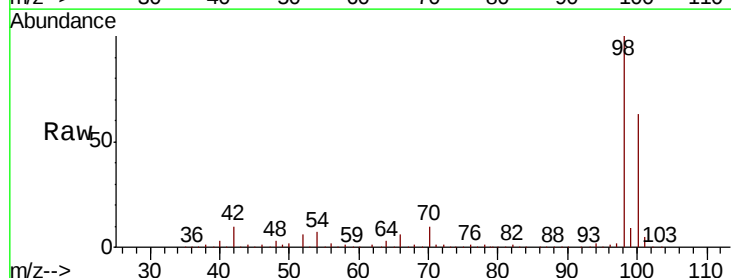


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

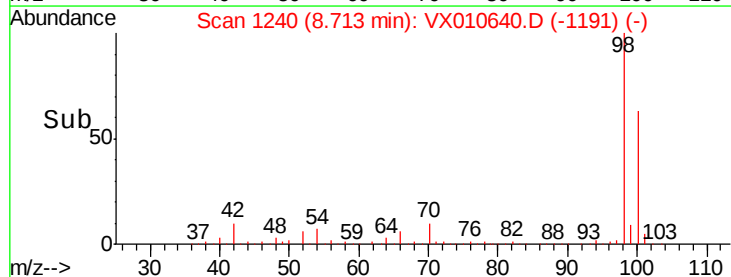
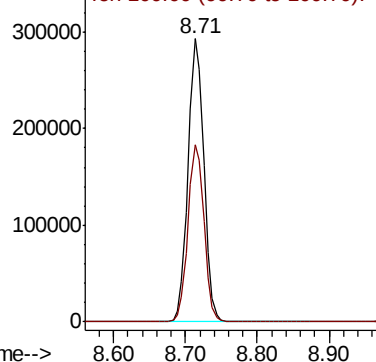


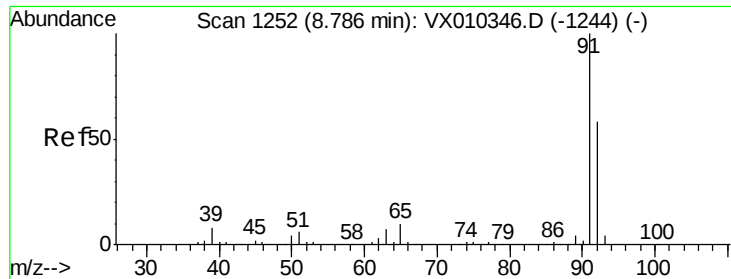
#50
Toluene-d8
Concen: 50.843 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010640.D
Acq: 03 Jul 2019 15:15

Tgt Ion: 98 Resp: 444332
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4



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





#52

Toluene

Concen: 0.206 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010640.D

Acq: 03 Jul 2019 15:15

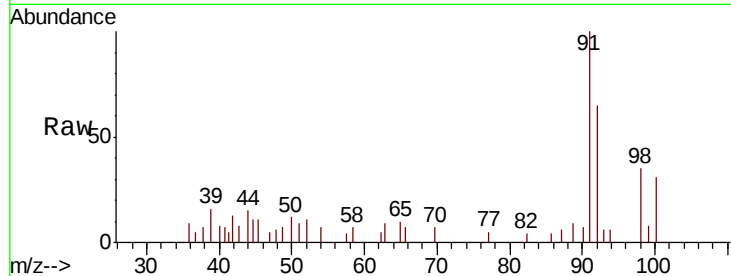
Instrument :
MSVOA_X
ClientSampleId :
WP-28

Tot Ion: 92 Resp: 1256

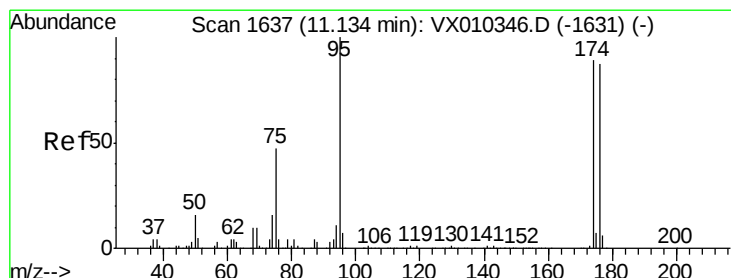
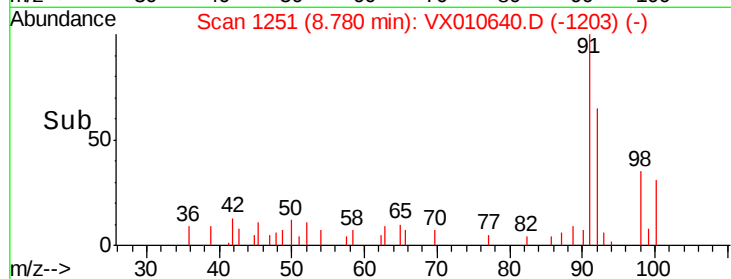
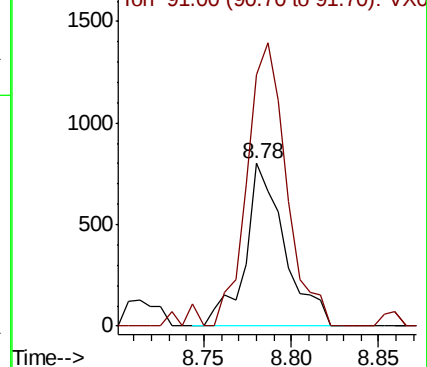
Ion Ratio Lower Upper

92 100

91 175.1 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.389 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010640.D

Acq: 03 Jul 2019 15:15

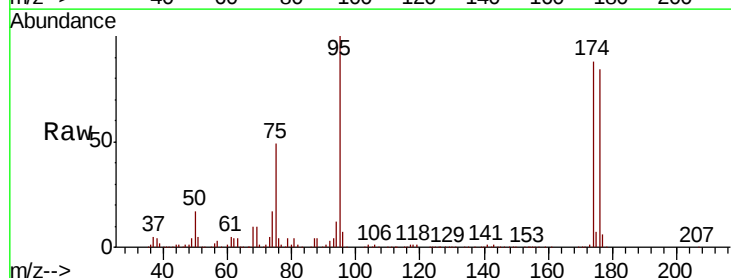
Tgt Ion: 95 Resp: 149520

Ion Ratio Lower Upper

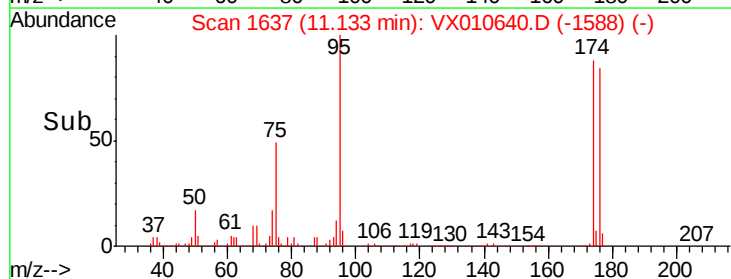
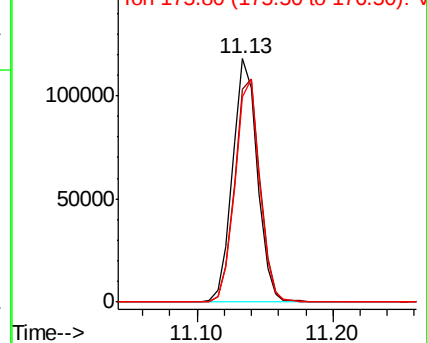
95 100

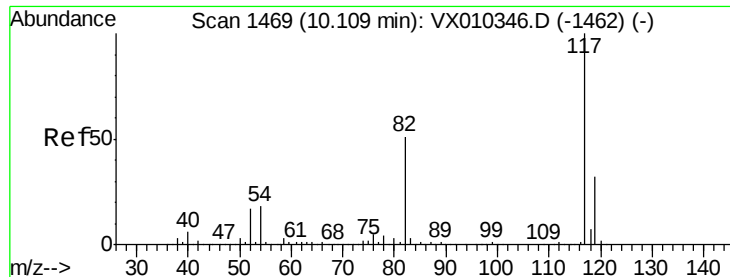
174 93.3 0.0 187.6

176 90.8 0.0 184.0



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

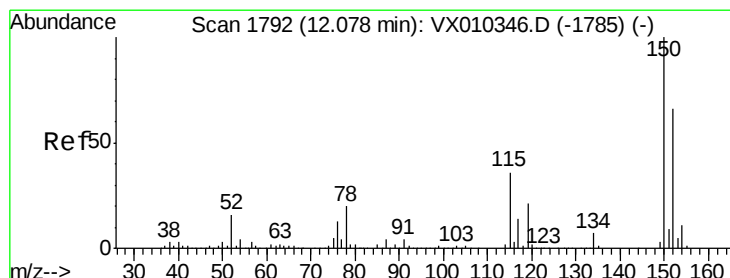
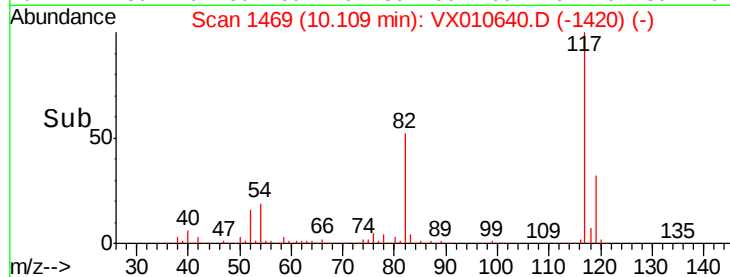
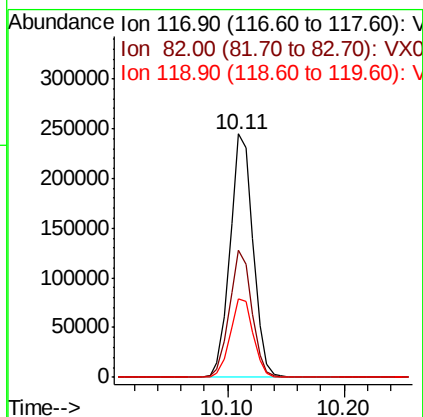
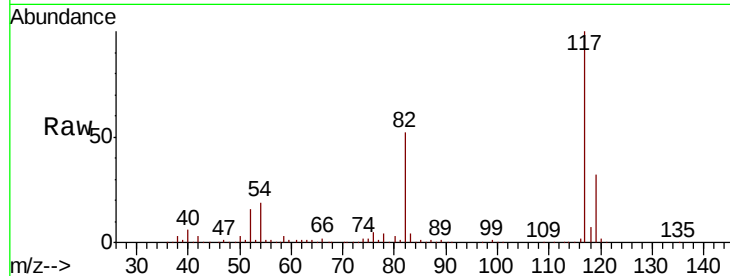




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010640.D
Acq: 03 Jul 2019 15:15

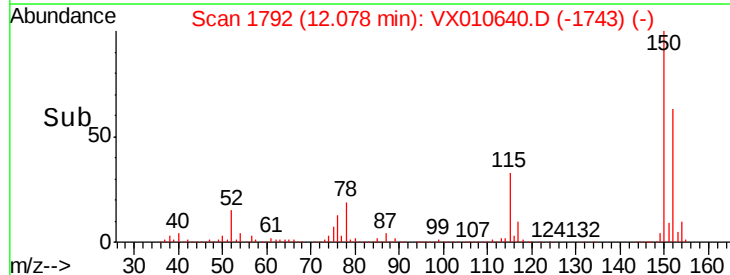
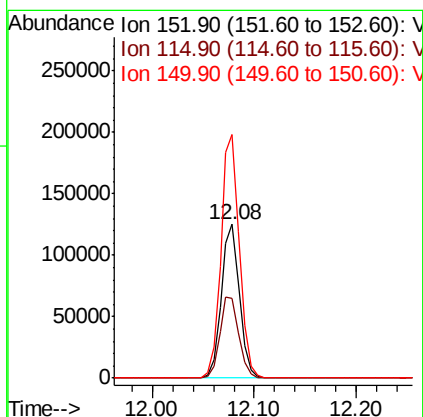
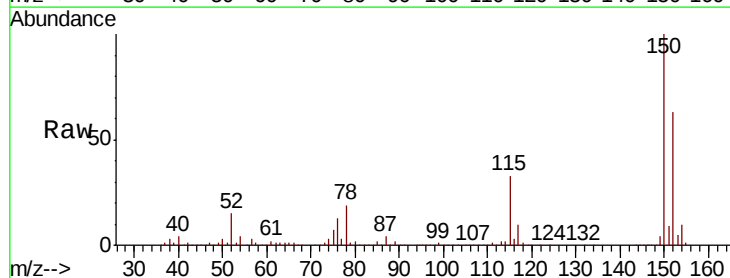
Instrument :
MSVOA_X
ClientSampleId :
WP-28

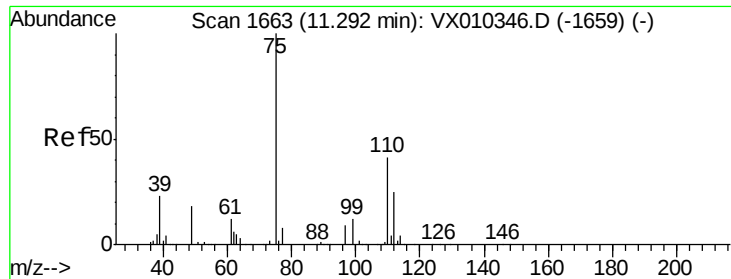
Tot Ion:117 Resp: 336804
Ion Ratio Lower Upper
117 100
82 52.1 41.2 61.8
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010640.D
Acq: 03 Jul 2019 15:15

Tgt Ion:152 Resp: 155134
Ion Ratio Lower Upper
152 100
115 55.1 38.6 115.7
150 160.1 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 25.483 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010640.D

Acq: 03 Jul 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

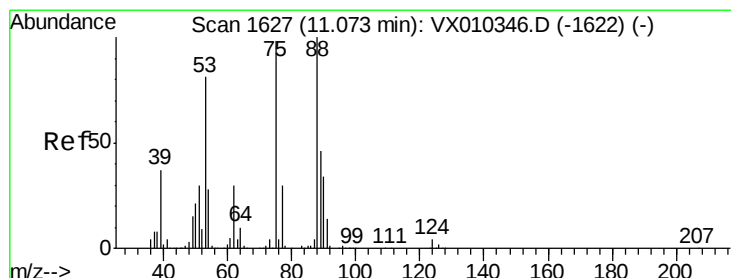
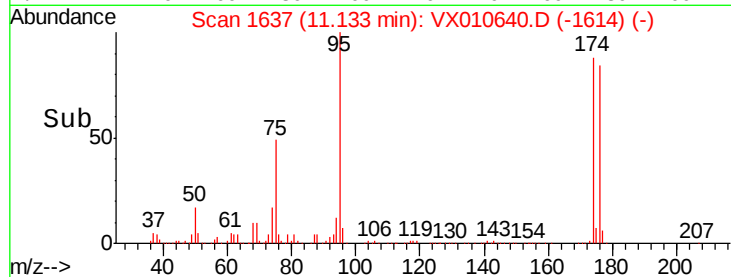
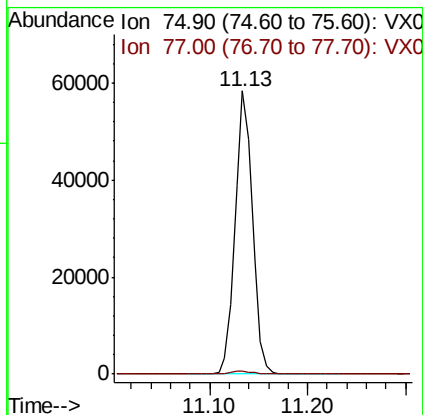
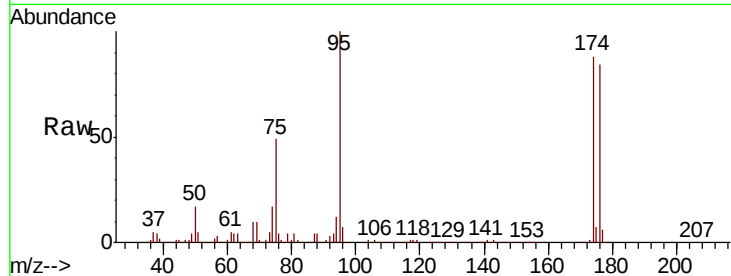
WP-28

Tot Ion: 75 Resp: 72040

Ion Ratio Lower Upper

75 100

77 1.3 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.450 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010640.D

Acq: 03 Jul 2019 15:15

Tgt Ion: 75 Resp: 72040

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

89 0.0 37.8 56.6#

