

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
 Data File : VX011195.D
 Acq On : 30 Jul 2019 15:20
 Operator : JC/SP
 Sample : K4026-01DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0684DL

Quant Time: Aug 08 05:24:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	316521	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	278751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	129179	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	109747	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
35) Dibromofluoromethane	5.50	113	95570	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
50) Toluene-d8	8.71	98	367067	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.13	95	120797	43.61	ug/l	0.00
Spiked Amount			Recovery	=	87.22%	

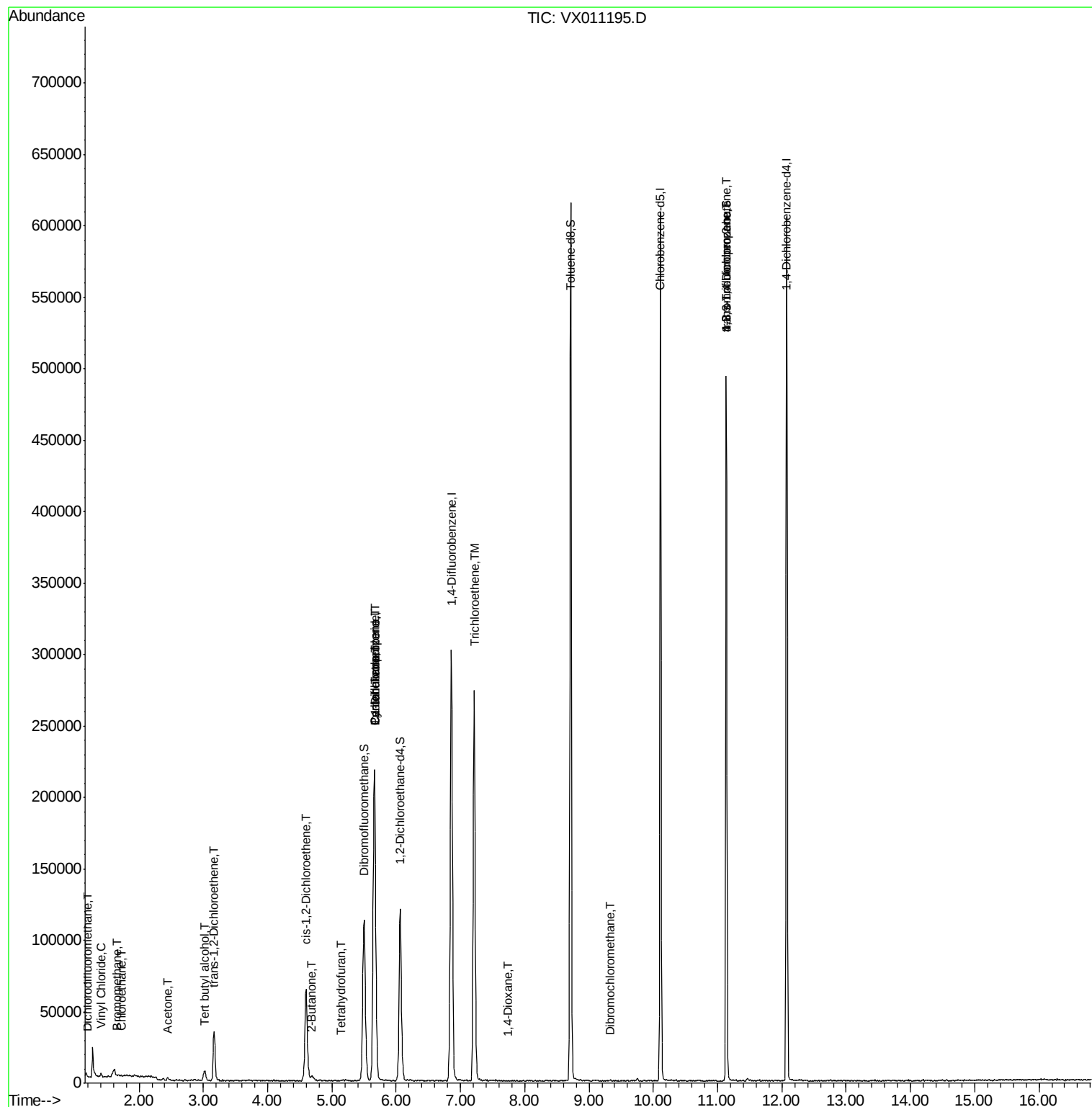
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	23	0.556	ug/l #	43
4) Vinyl Chloride	1.41	62	1370	0.661	ug/l #	84
5) Bromomethane	1.65	94	695	0.595	ug/l	98
6) Chloroethane	1.72	64	300	0.228	ug/l #	41
11) Tert butyl alcohol	3.02	59	4247	7.752	ug/l #	82
16) Acetone	2.44	43	2045	1.925	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	15805	7.563	ug/l	92
25) 2-Butanone	4.67	43	311	0.204	ug/l #	46
27) cis-1,2-Dichloroethene	4.60	96	42975	17.769	ug/l	88
29) Tetrahydrofuran	5.13	42	200	0.207	ug/l #	58
31) Cyclohexane	5.67	56	4284	1.341	ug/l #	29
36) 1,1-Dichloropropene	5.66	75	15551	5.981	ug/l #	48
38) Carbon Tetrachloride	5.66	117	20703	7.642	ug/l #	17
44) Trichloroethene	7.21	130	106883	45.339	ug/l	93
49) 1,4-Dioxane	7.73	88	19	0.319	ug/l #	1
60) Dibromochloromethane	9.32	129	19	2.535	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	60570	25.983	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	60570	64.570	ug/l #	11

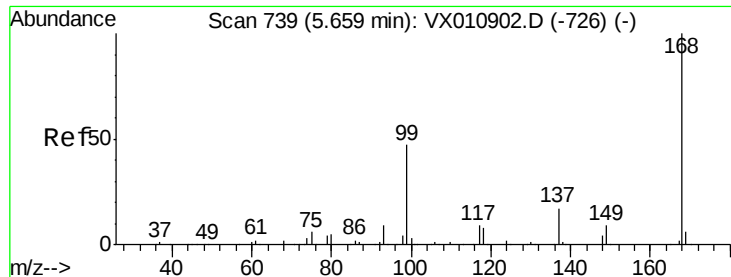
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 24 05:39:23 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: VX011195.D

Acq: 30 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampled :

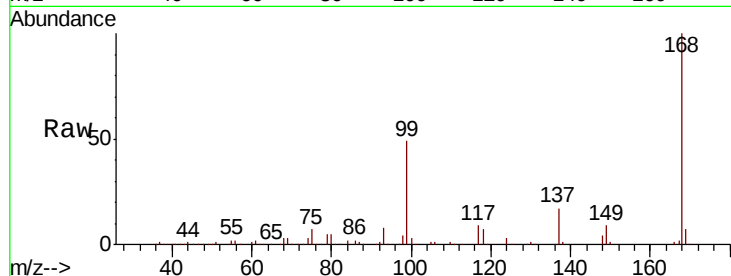
Z3-0684DL

Tgt Ion:168 Resp: 221118

Ion Ratio Lower Upper

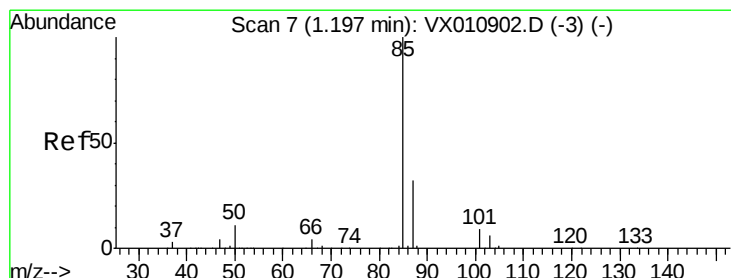
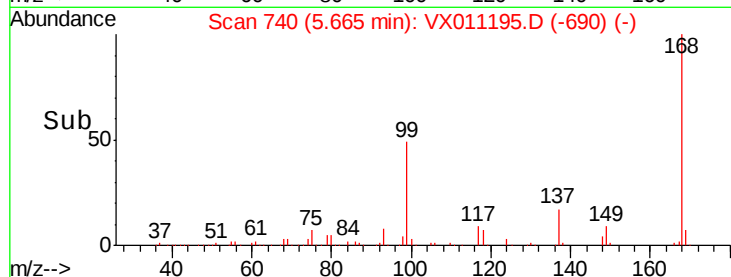
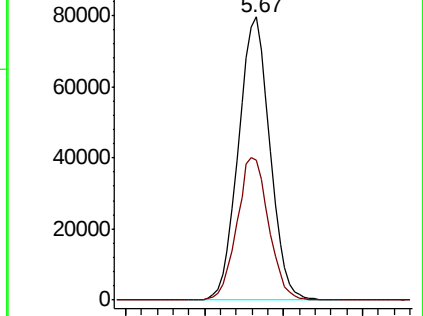
168 100

99 49.3 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: 0.556 ug/l

RT: 1.21 min Scan# 9

Delta R.T. 0.01 min

Lab File: VX011195.D

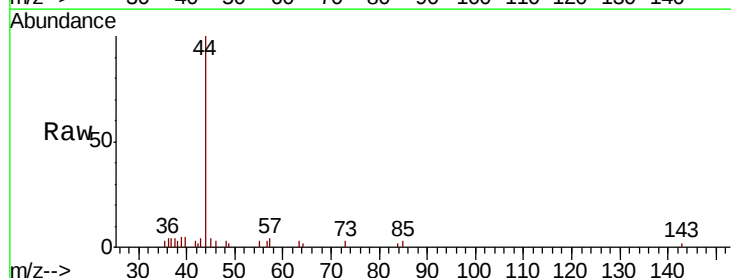
Acq: 30 Jul 2019 15:20

Tgt Ion: 85 Resp: 23

Ion Ratio Lower Upper

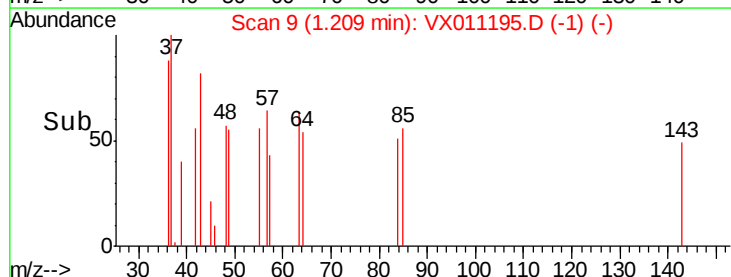
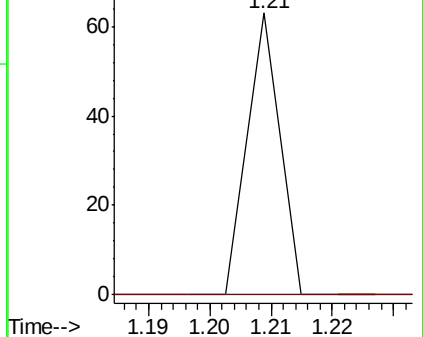
85 100

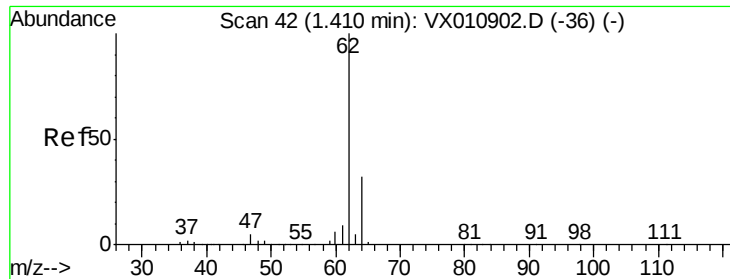
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#4

Vinyl Chloride

Concen: 0.661 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011195.D

Acq: 30 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampled :

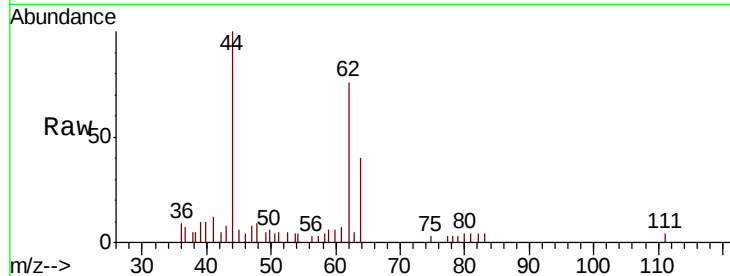
Z3-0684DL

Tgt Ion: 62 Resp: 1370

Ion Ratio Lower Upper

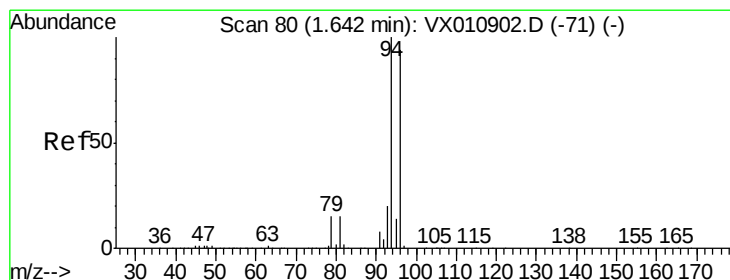
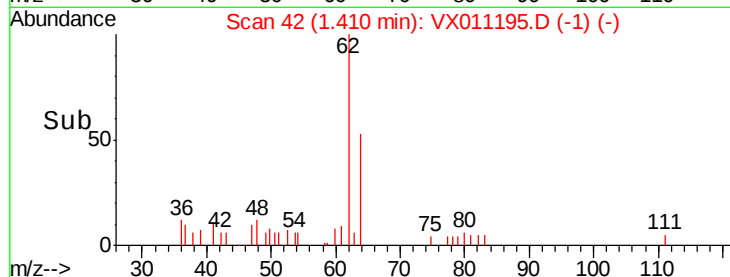
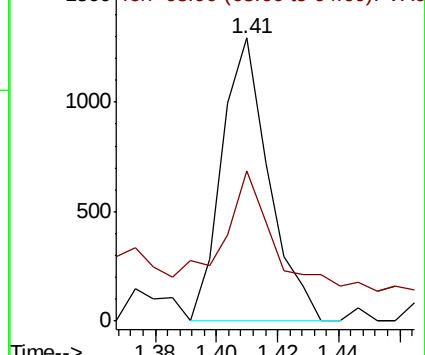
62 100

64 40.9 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.595 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011195.D

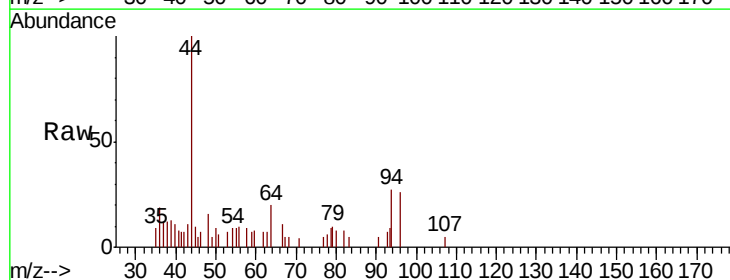
Acq: 30 Jul 2019 15:20

Tgt Ion: 94 Resp: 695

Ion Ratio Lower Upper

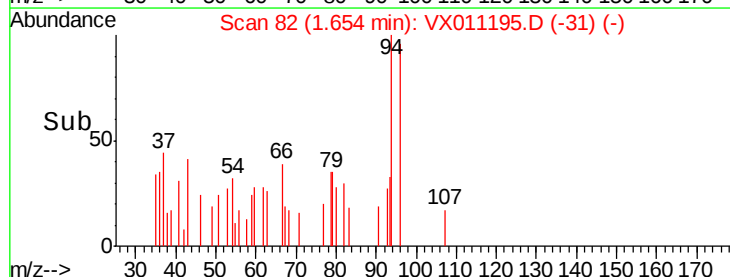
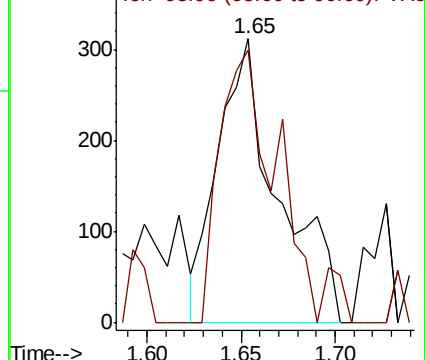
94 100

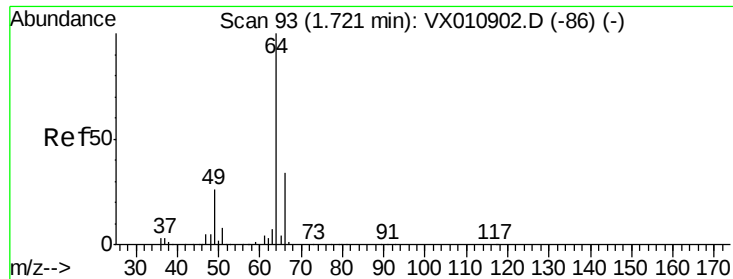
96 96.2 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.228 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX011195.D

Acq: 30 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

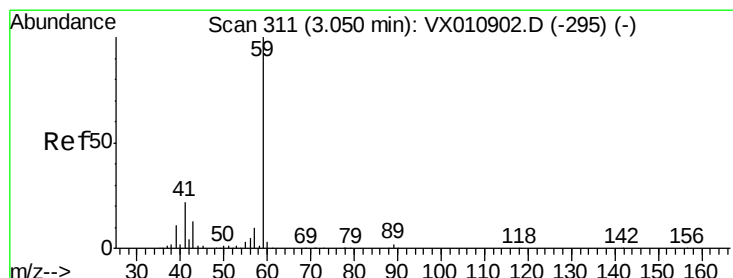
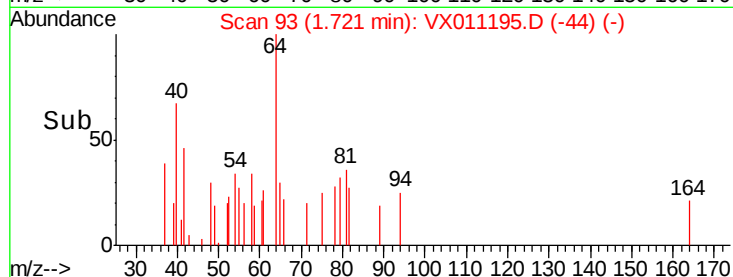
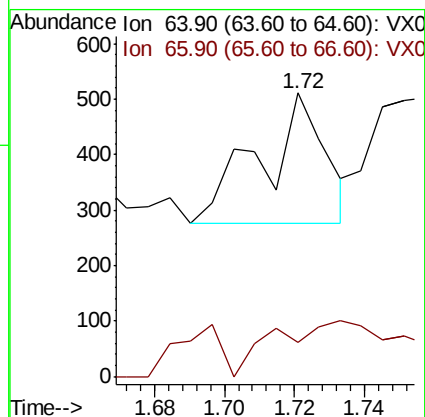
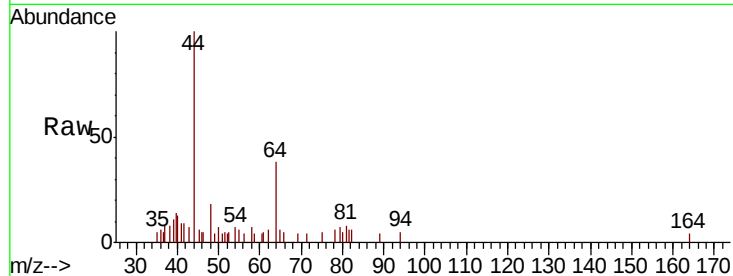
Z3-0684DL

Tgt Ion: 64 Resp: 300

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.6#



#11

Tert butyl alcohol

Concen: 7.752 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX011195.D

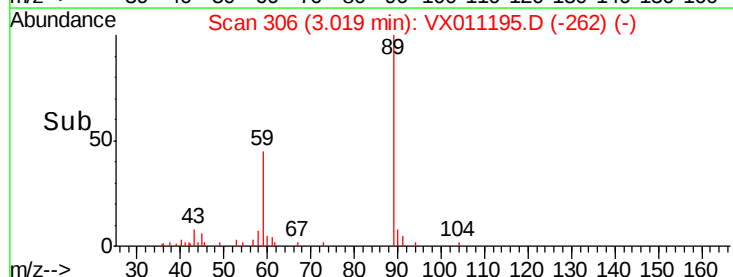
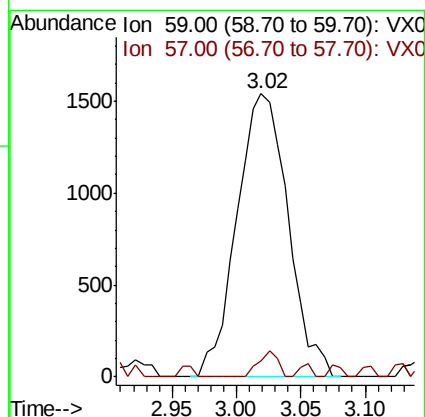
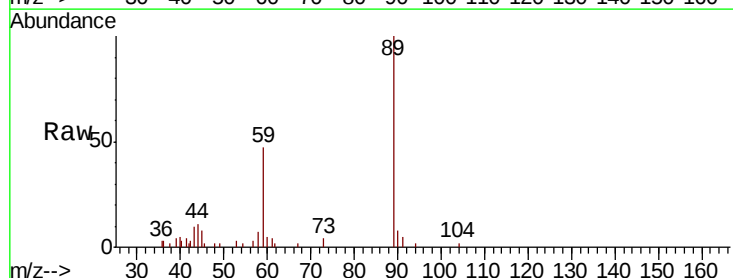
Acq: 30 Jul 2019 15:20

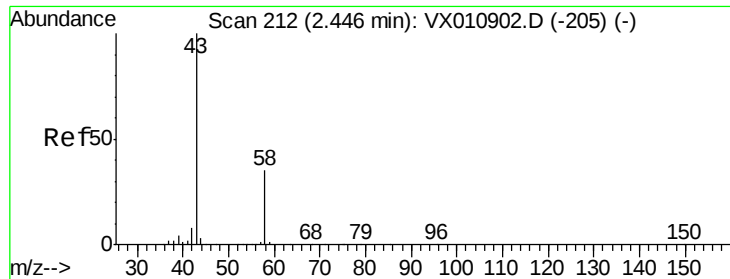
Tgt Ion: 59 Resp: 4247

Ion Ratio Lower Upper

59 100

57 3.3 7.9 11.9#





#16

Acetone

Concen: 1.925 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011195.D

Acq: 30 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

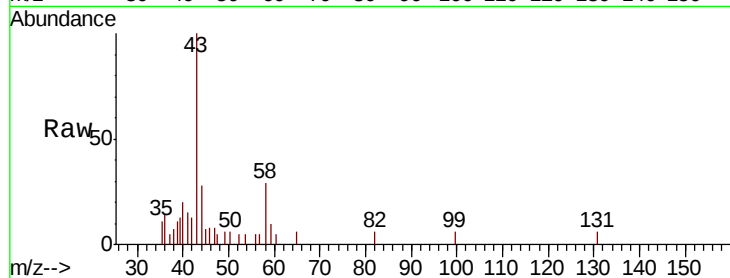
Z3-0684DL

Tgt Ion: 43 Resp: 2045

Ion Ratio Lower Upper

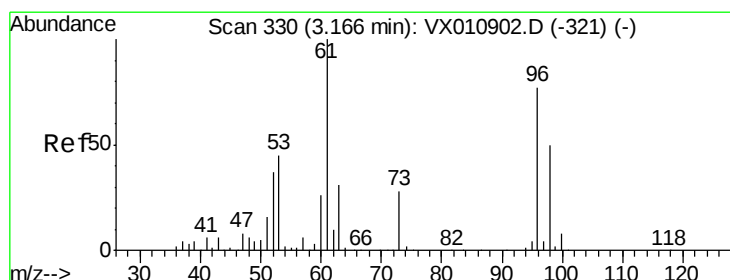
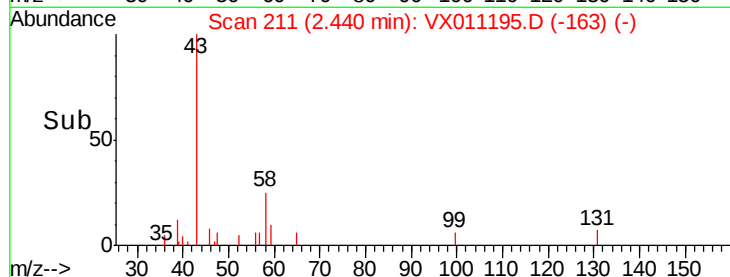
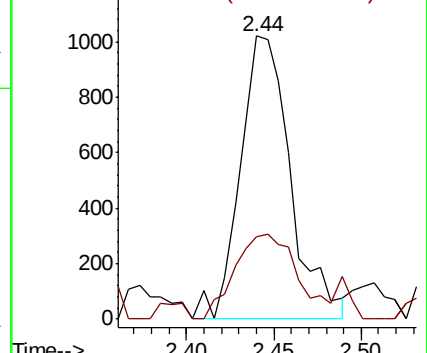
43 100

58 29.2 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 7.563 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX011195.D

Acq: 30 Jul 2019 15:20

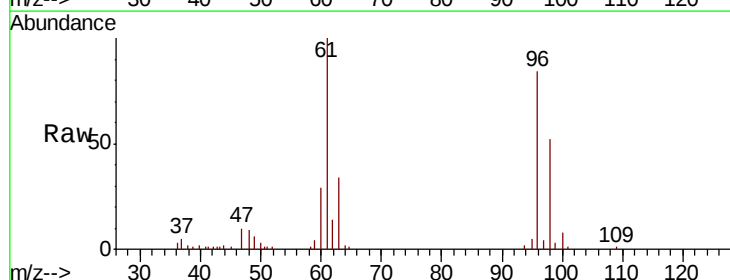
Tgt Ion: 96 Resp: 15805

Ion Ratio Lower Upper

96 100

61 119.0 104.2 156.2

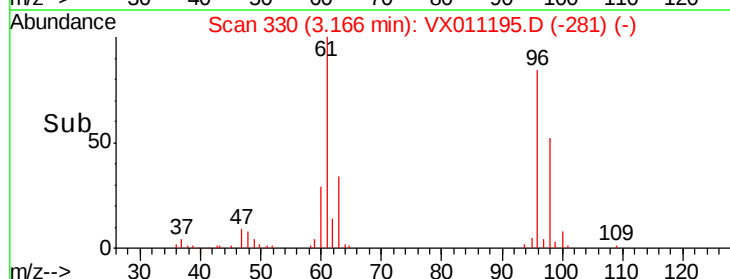
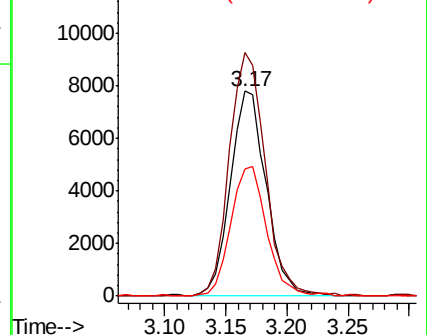
98 62.1 52.2 78.4

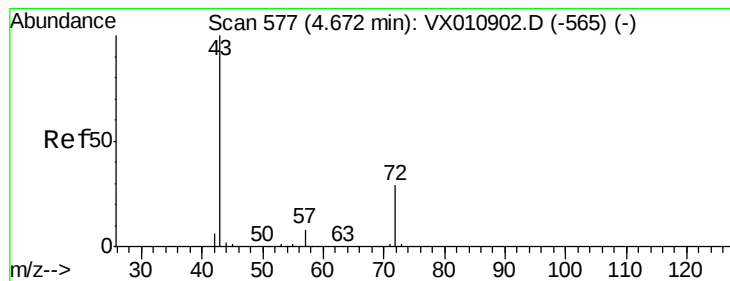


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 0.204 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX011195.D

Acq: 30 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampled :

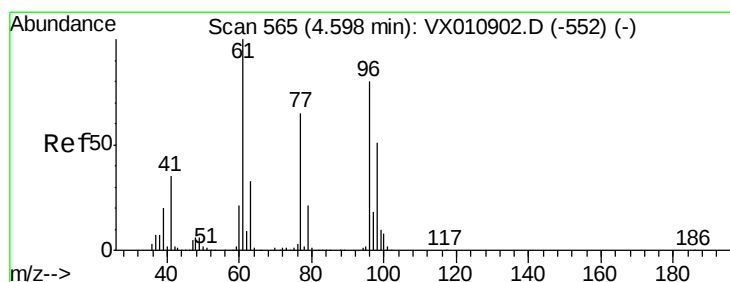
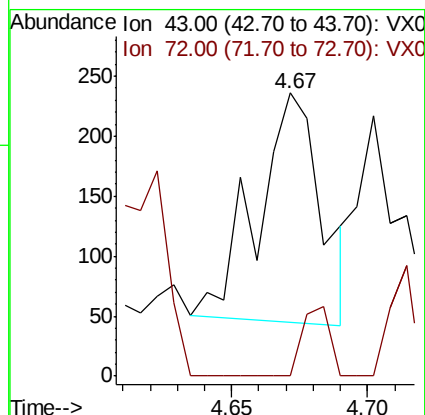
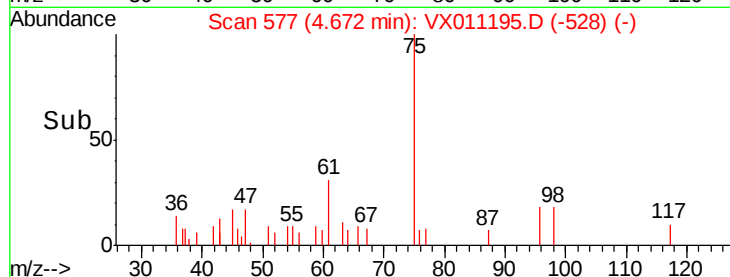
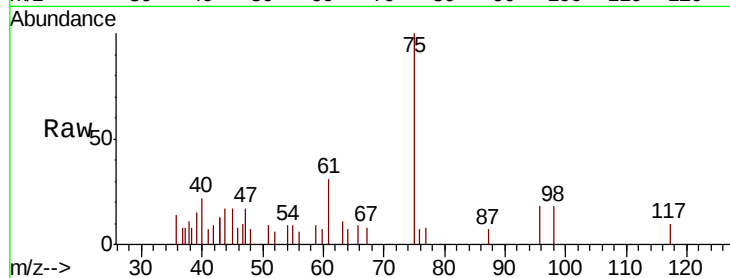
Z3-0684DL

Tgt Ion: 43 Resp: 311

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#



#27

cis-1,2-Dichloroethene

Concen: 17.769 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX011195.D

Acq: 30 Jul 2019 15:20

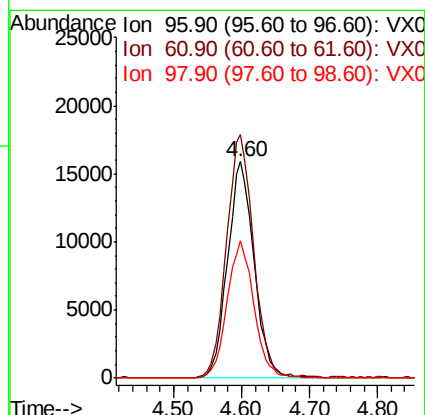
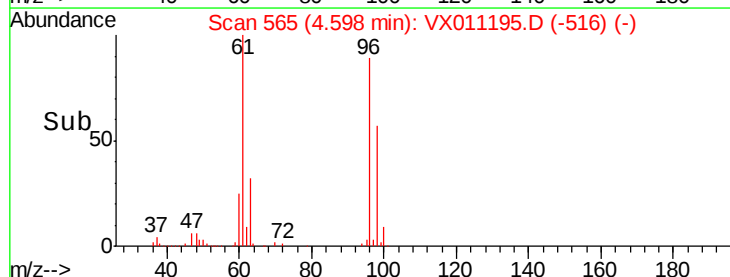
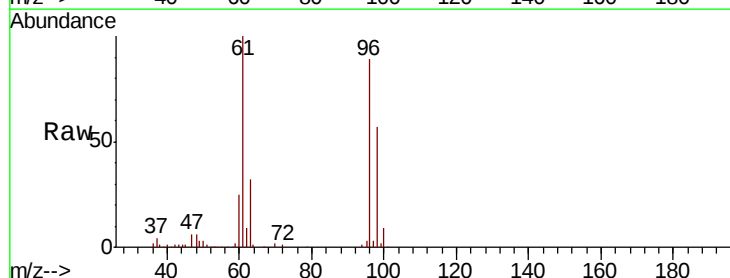
Tgt Ion: 96 Resp: 42975

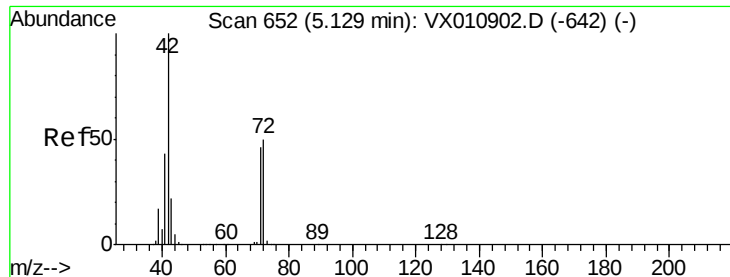
Ion Ratio Lower Upper

96 100

61 115.1 0.0 269.0

98 63.7 0.0 131.4

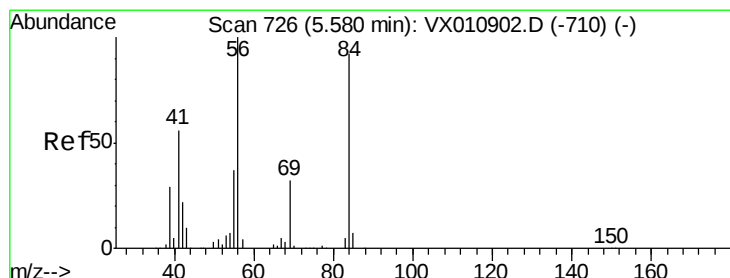
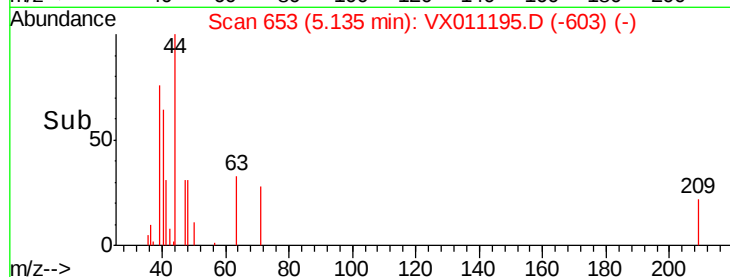
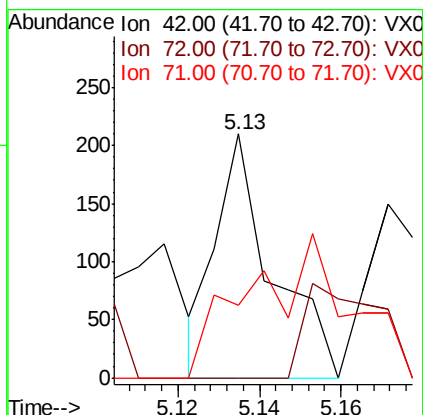
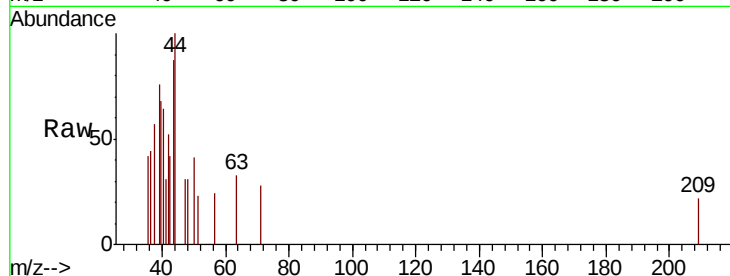




#29
Tetrahydrofuran
Concen: 0.207 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX011195.D
Acq: 30 Jul 2019 15:20

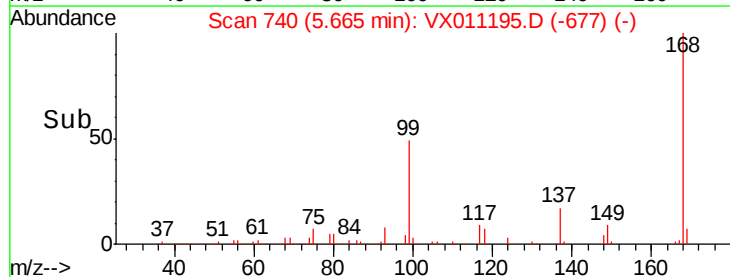
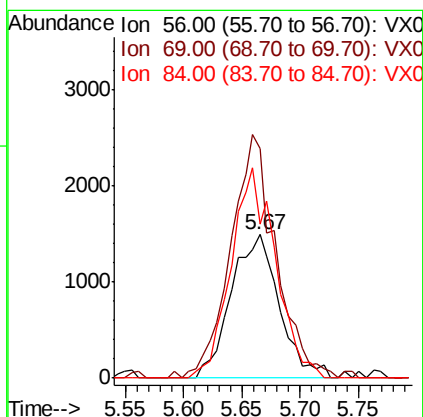
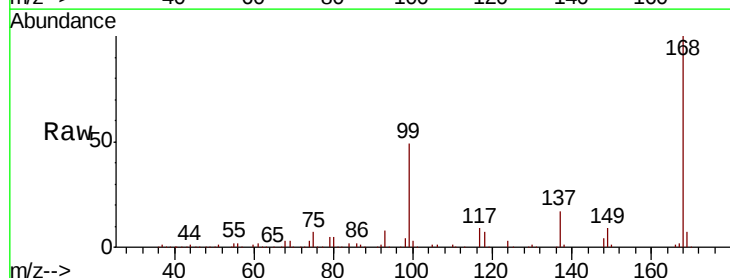
Instrument :
MSVOA_X
ClientSampled :
Z3-0684DL

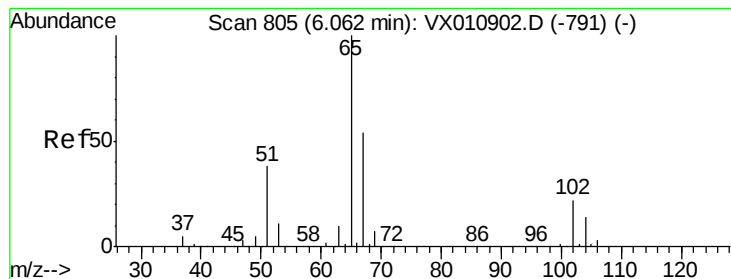
Tgt Ion: 42 Resp: 200
Ion Ratio Lower Upper
42 100
72 49.5 39.8 59.8
71 103.5 37.0 55.4#



#31
Cyclohexane
Concen: 1.341 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX011195.D
Acq: 30 Jul 2019 15:20

Tgt Ion: 56 Resp: 4284
Ion Ratio Lower Upper
56 100
69 159.5 25.8 38.8#
84 107.4 73.8 110.6





#33

1,2-Dichloroethane-d4

Concen: 46.654 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011195.D

Acq: 30 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

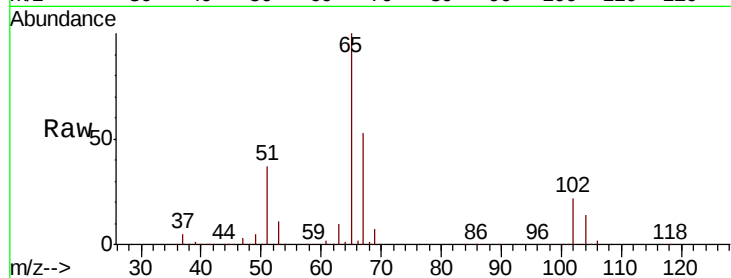
Z3-0684DL

Tgt Ion: 65 Resp: 109747

Ion Ratio Lower Upper

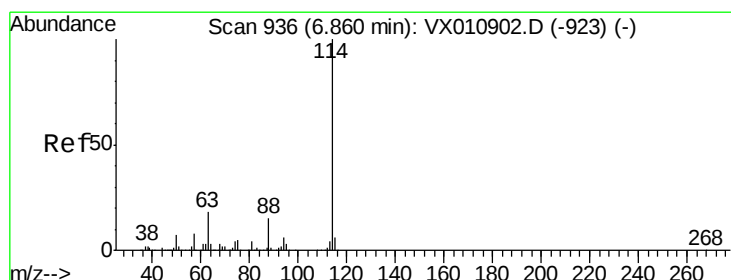
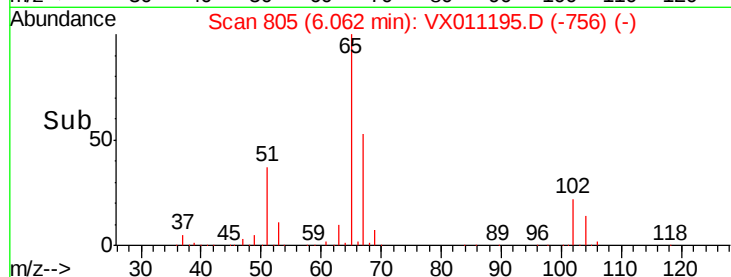
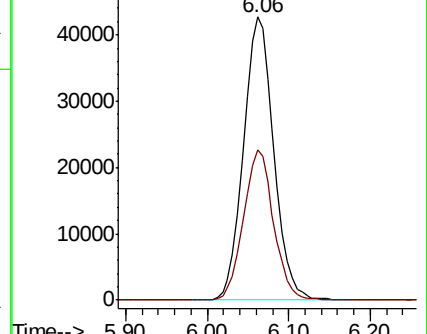
65 100

67 52.8 0.0 107.8



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: VX011195.D

Acq: 30 Jul 2019 15:20

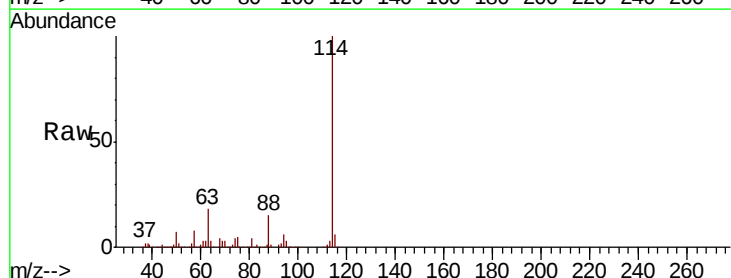
Tgt Ion: 114 Resp: 316521

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

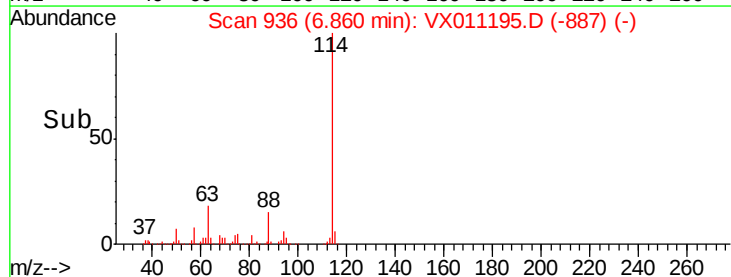
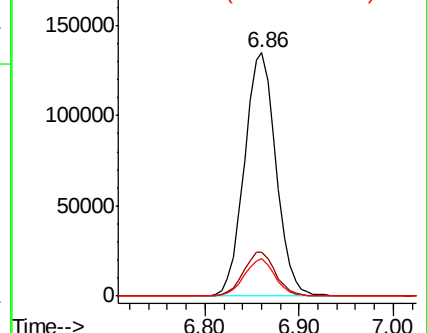
88 15.2 0.0 29.8

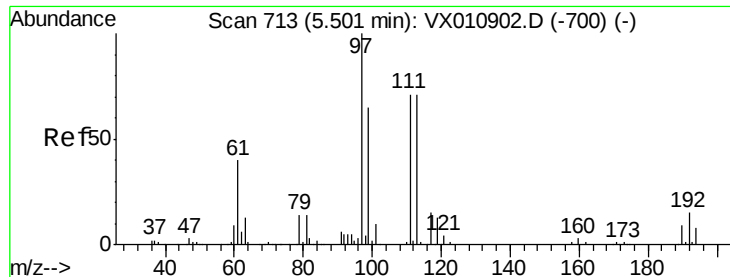


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.570 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011195.D

Acq: 30 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

Z3-0684DL

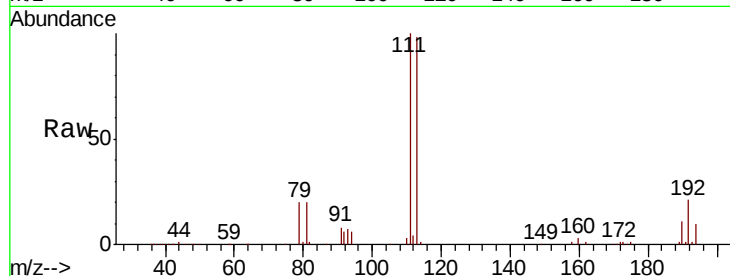
Tgt Ion:113 Resp: 95570

Ion Ratio Lower Upper

113 100

111 101.0 82.3 123.5

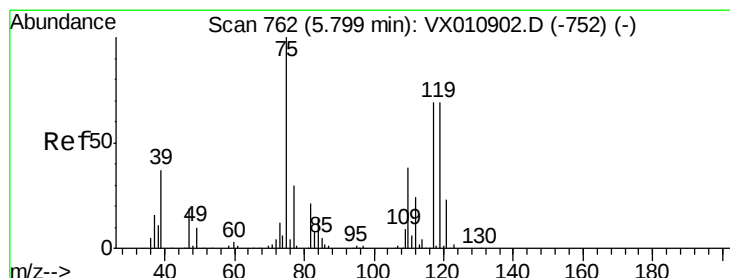
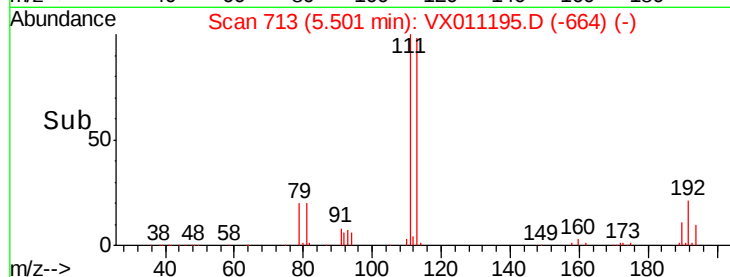
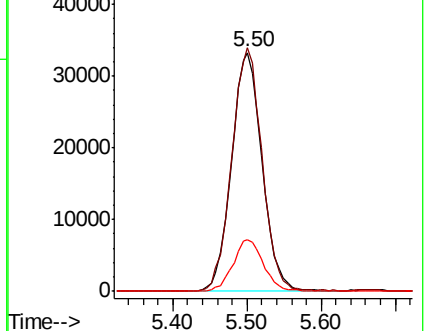
192 21.5 17.4 26.2



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: 5.981 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011195.D

Acq: 30 Jul 2019 15:20

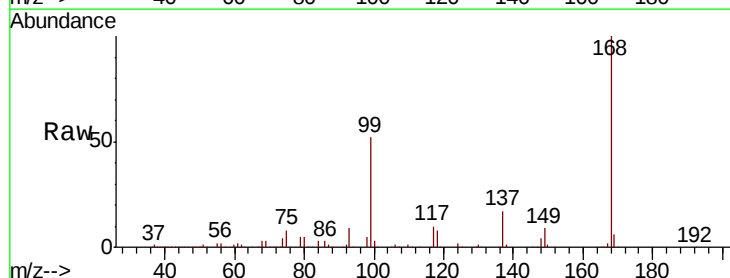
Tgt Ion: 75 Resp: 15551

Ion Ratio Lower Upper

75 100

110 9.7 19.9 59.7#

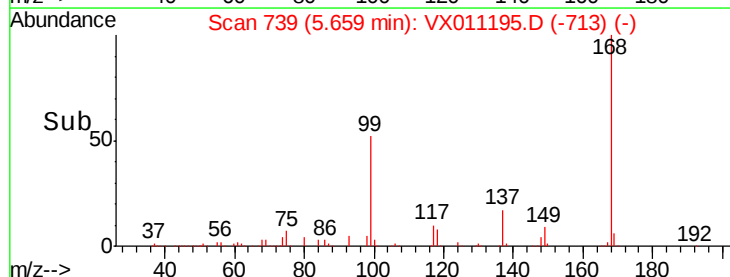
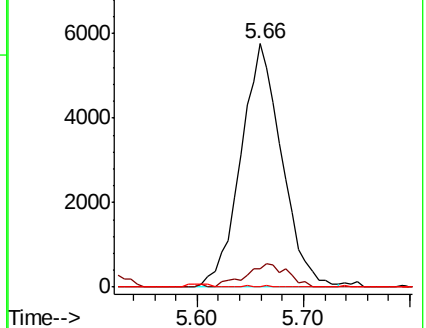
77 0.1 25.0 37.4#

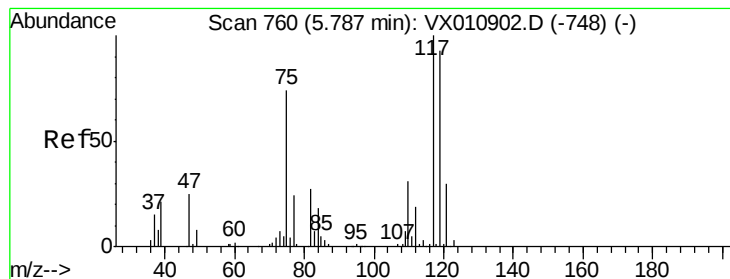


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.642 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011195.D

Acq: 30 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

Z3-0684DL

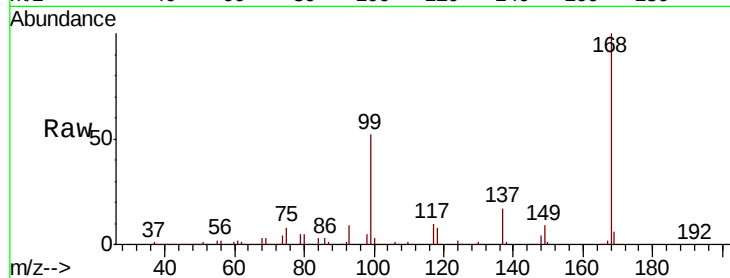
Tgt Ion:117 Resp: 20703

Ion Ratio Lower Upper

117 100

119 4.2 74.2 111.2#

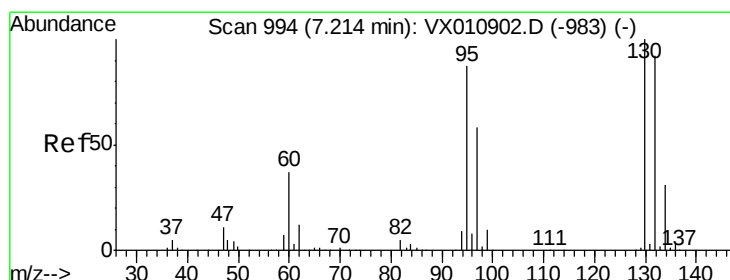
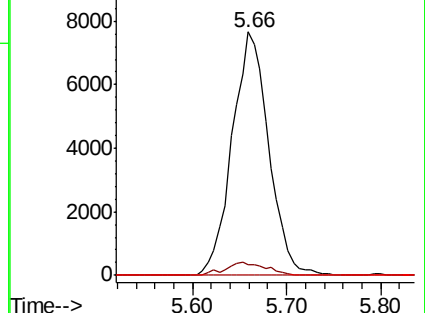
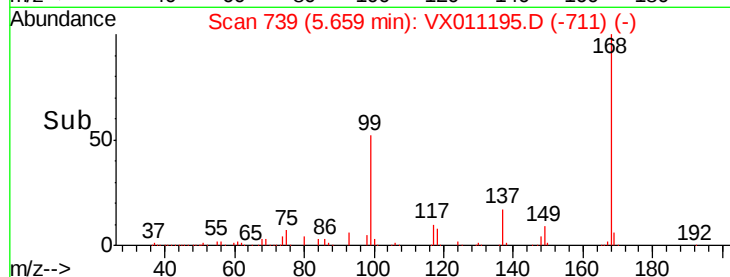
121 0.0 24.2 36.2#



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



#44

Trichloroethene

Concen: 45.339 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX011195.D

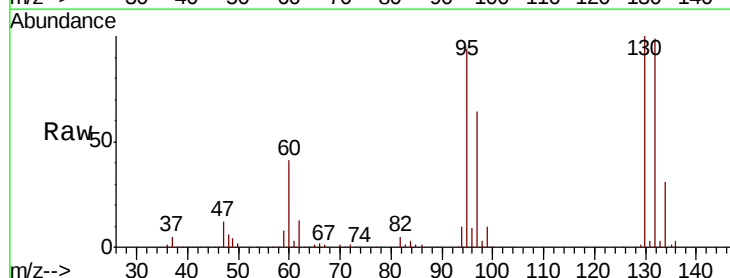
Acq: 30 Jul 2019 15:20

Tgt Ion:130 Resp: 106883

Ion Ratio Lower Upper

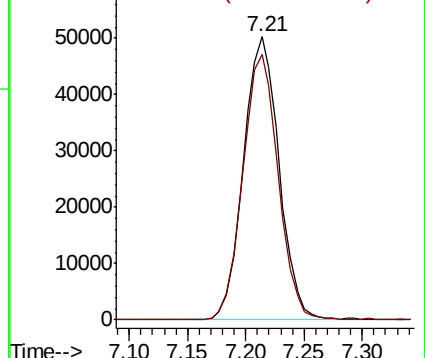
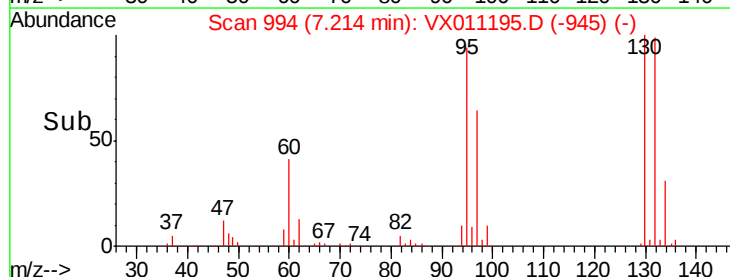
130 100

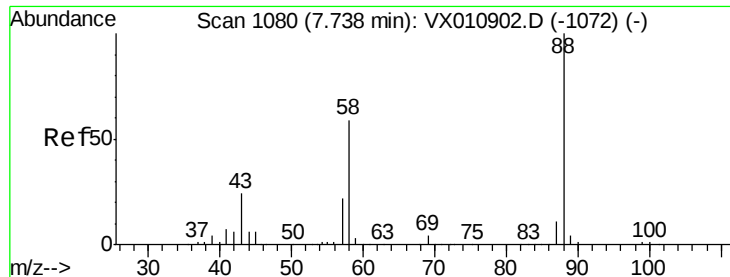
95 93.7 0.0 174.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.319 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX011195.D

Acq: 30 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampled :

Z3-0684DL

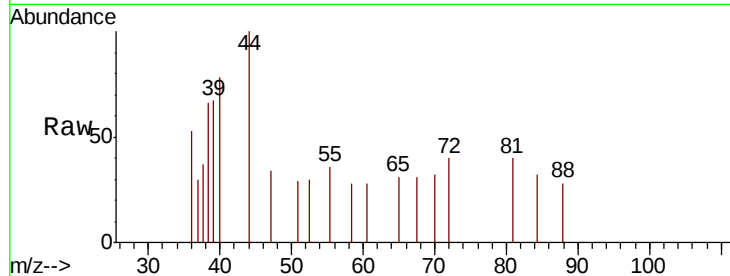
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 226.3 22.9 34.3#

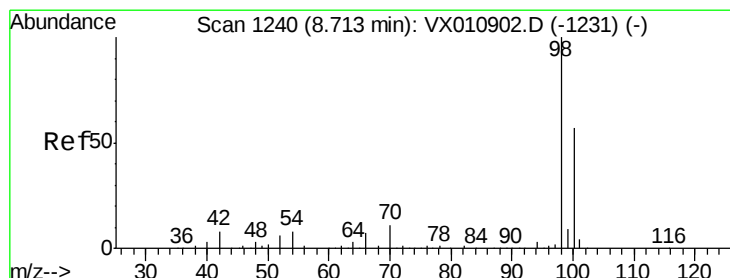
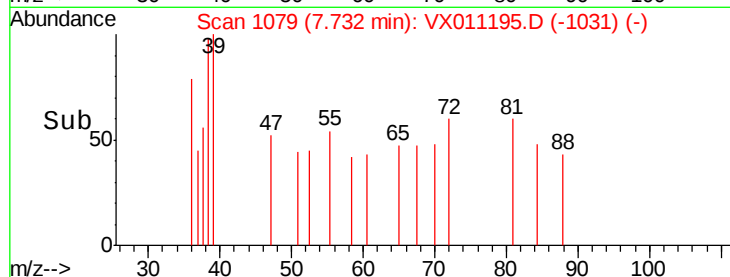
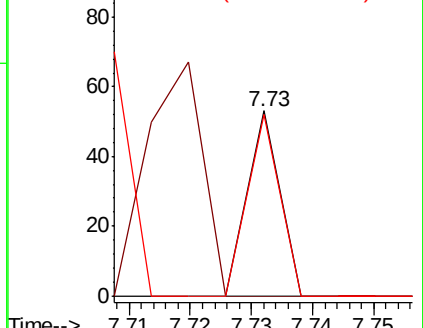
58 100.0 49.8 74.8#



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: 48.714 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011195.D

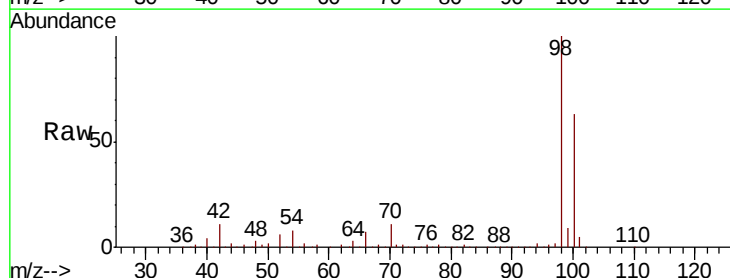
Acq: 30 Jul 2019 15:20

Tgt Ion: 98 Resp: 367067

Ion Ratio Lower Upper

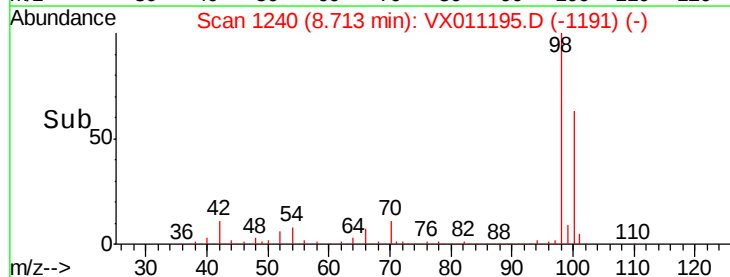
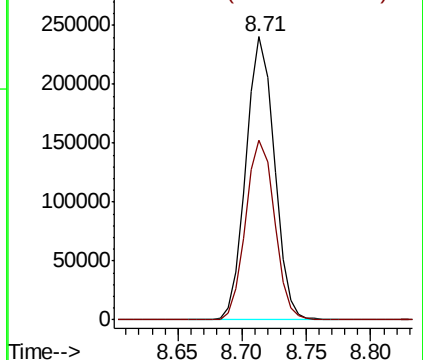
98 100

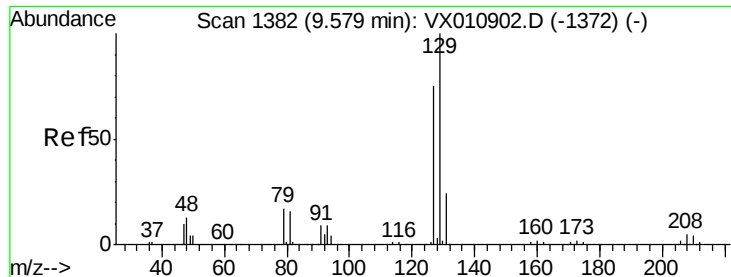
100 64.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

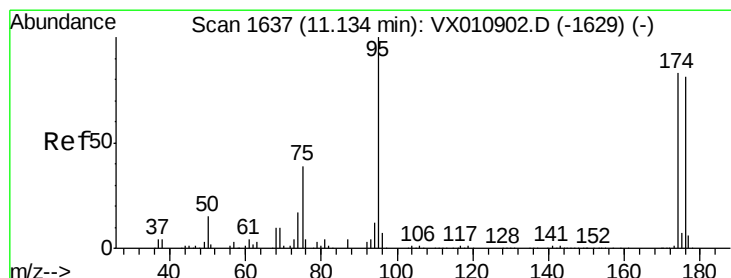
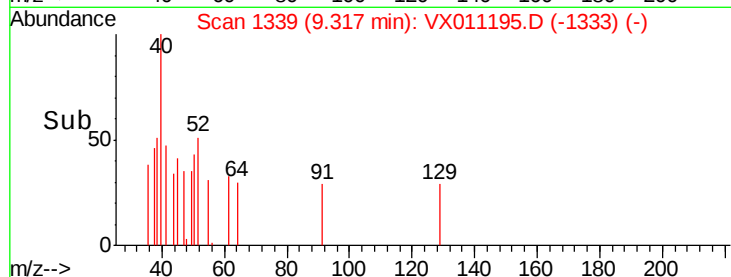
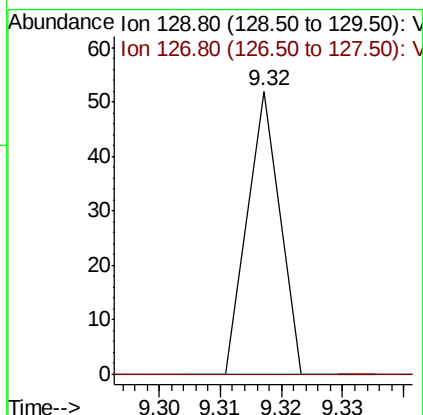
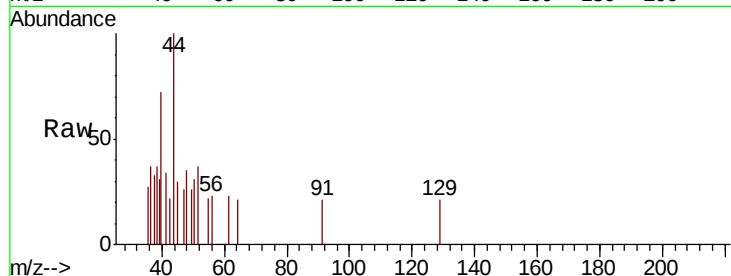




#60
 Dibromochloromethane
 Concen: 2.535 ug/l
 RT: 9.32 min Scan# 1339
 Delta R.T. -0.26 min
 Lab File: VX011195.D
 Acq: 30 Jul 2019 15:20

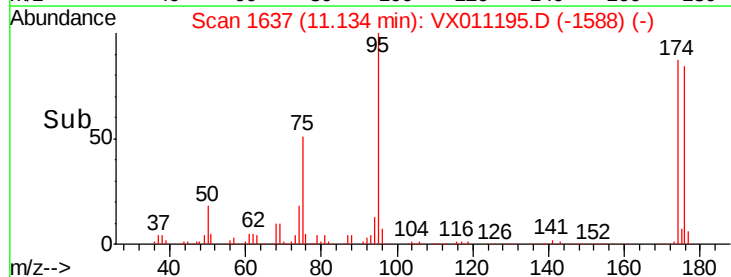
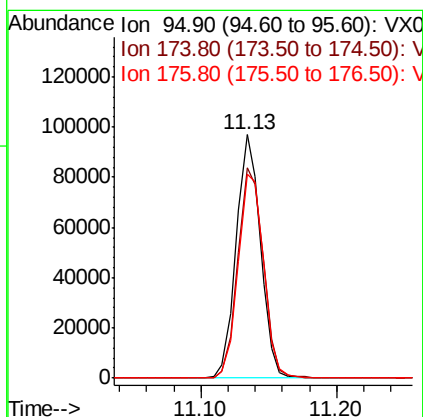
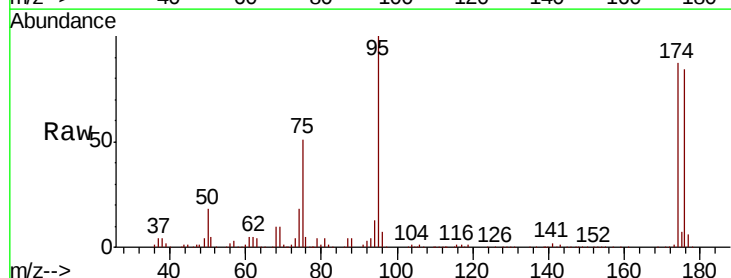
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0684DL

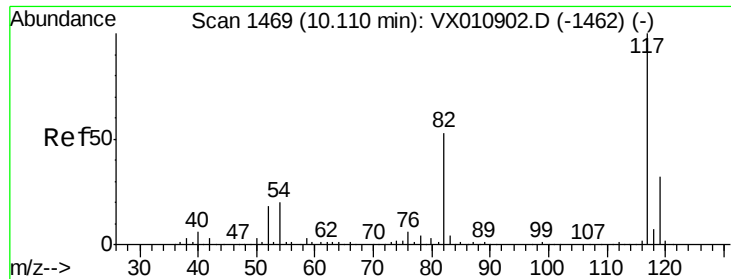
Tgt Ion: 129 Resp: 19
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.8#



#62
 4-Bromofluorobenzene
 Concen: 43.614 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX011195.D
 Acq: 30 Jul 2019 15:20

Tgt Ion: 95 Resp: 120797
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 180.6
 176 87.8 0.0 173.8

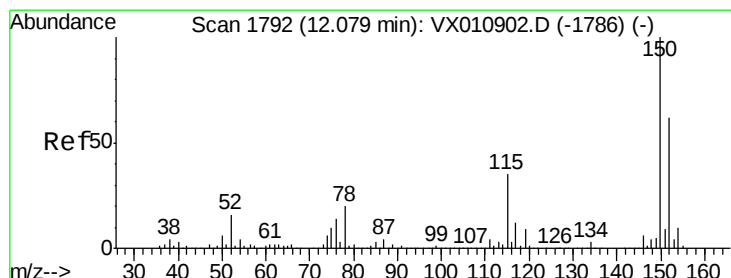
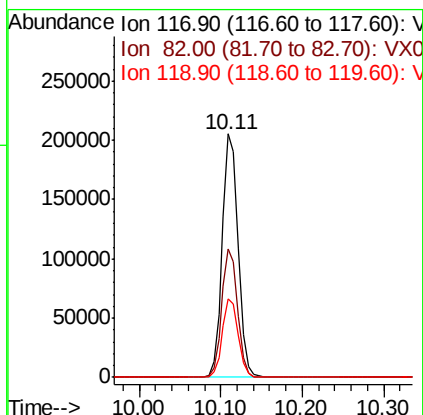
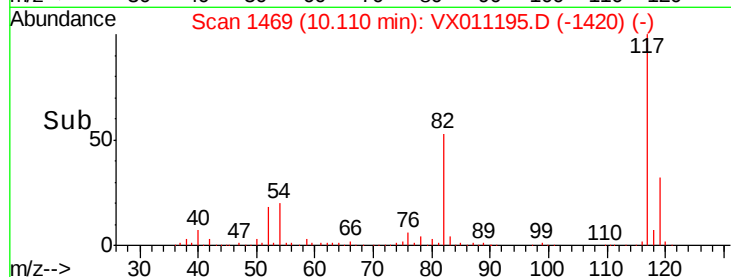
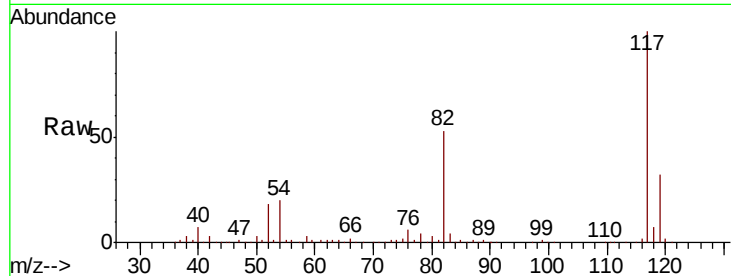




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011195.D
Acq: 30 Jul 2019 15:20

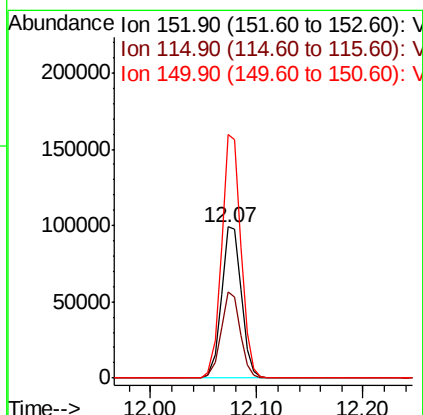
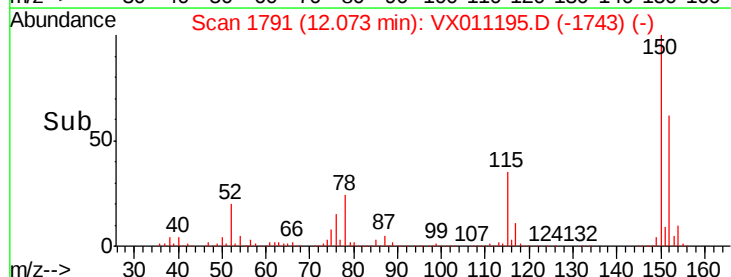
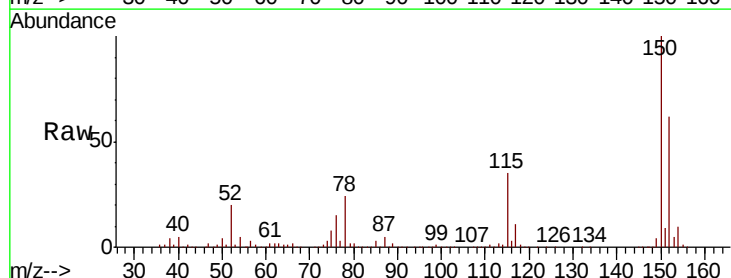
Instrument :
MSVOA_X
ClientSampled :
Z3-0684DL

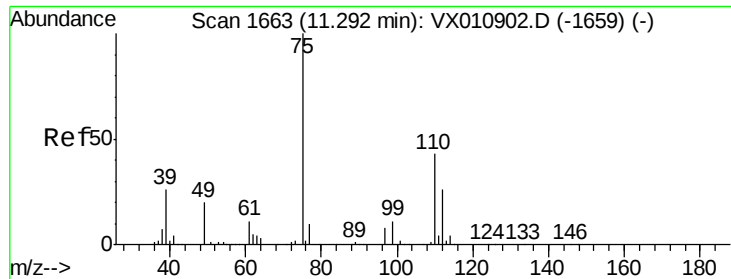
Tgt Ion:117 Resp: 278751
Ion Ratio Lower Upper
117 100
82 52.7 42.6 63.8
119 32.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011195.D
Acq: 30 Jul 2019 15:20

Tgt Ion:152 Resp: 129179
Ion Ratio Lower Upper
152 100
115 54.9 39.7 119.1
150 157.2 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 25.983 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011195.D

Acq: 30 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampled :

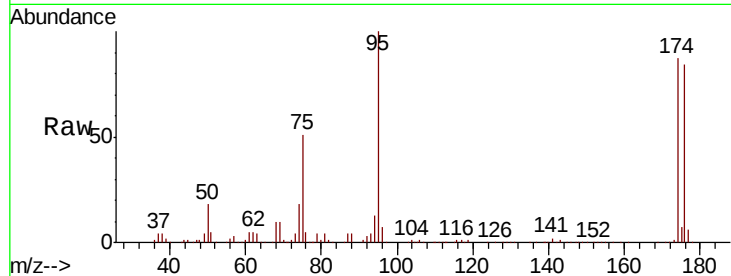
Z3-0684DL

Tgt Ion: 75 Resp: 60570

Ion Ratio Lower Upper

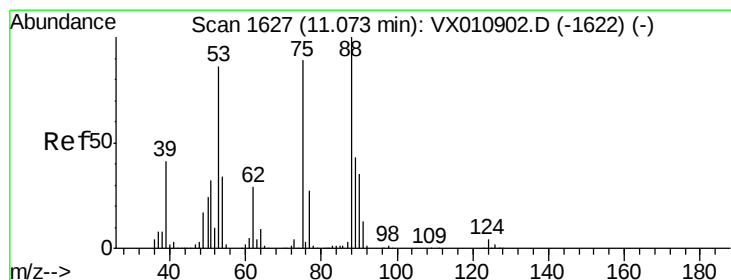
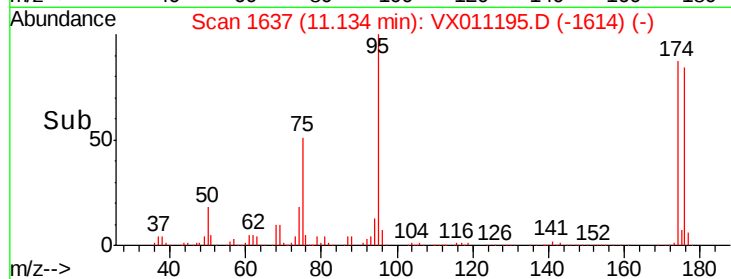
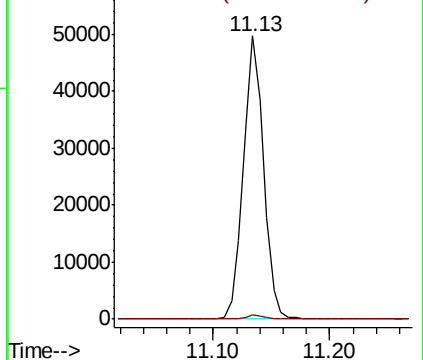
75 100

77 1.4 21.3 64.0#



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: 64.570 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011195.D

Acq: 30 Jul 2019 15:20

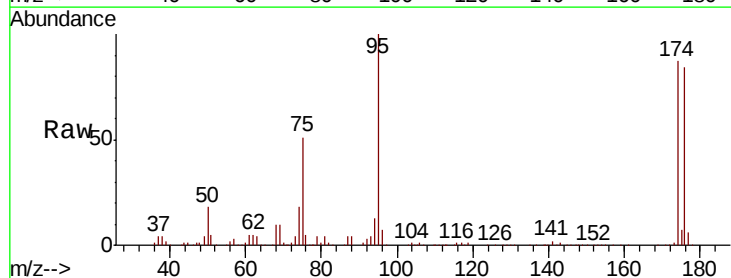
Tgt Ion: 75 Resp: 60570

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.0 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

