

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011021.D
 Acq On : 22 Jul 2019 11:30
 Operator : JC/SP
 Sample : VX0722MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0722MBL01

Quant Time: Jul 23 03:41:28 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	5.66	168	233659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	370676	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	343401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159274	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	126857	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
35) Dibromofluoromethane	5.50	113	117835	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	8.71	98	447281	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.13	95	157984	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	

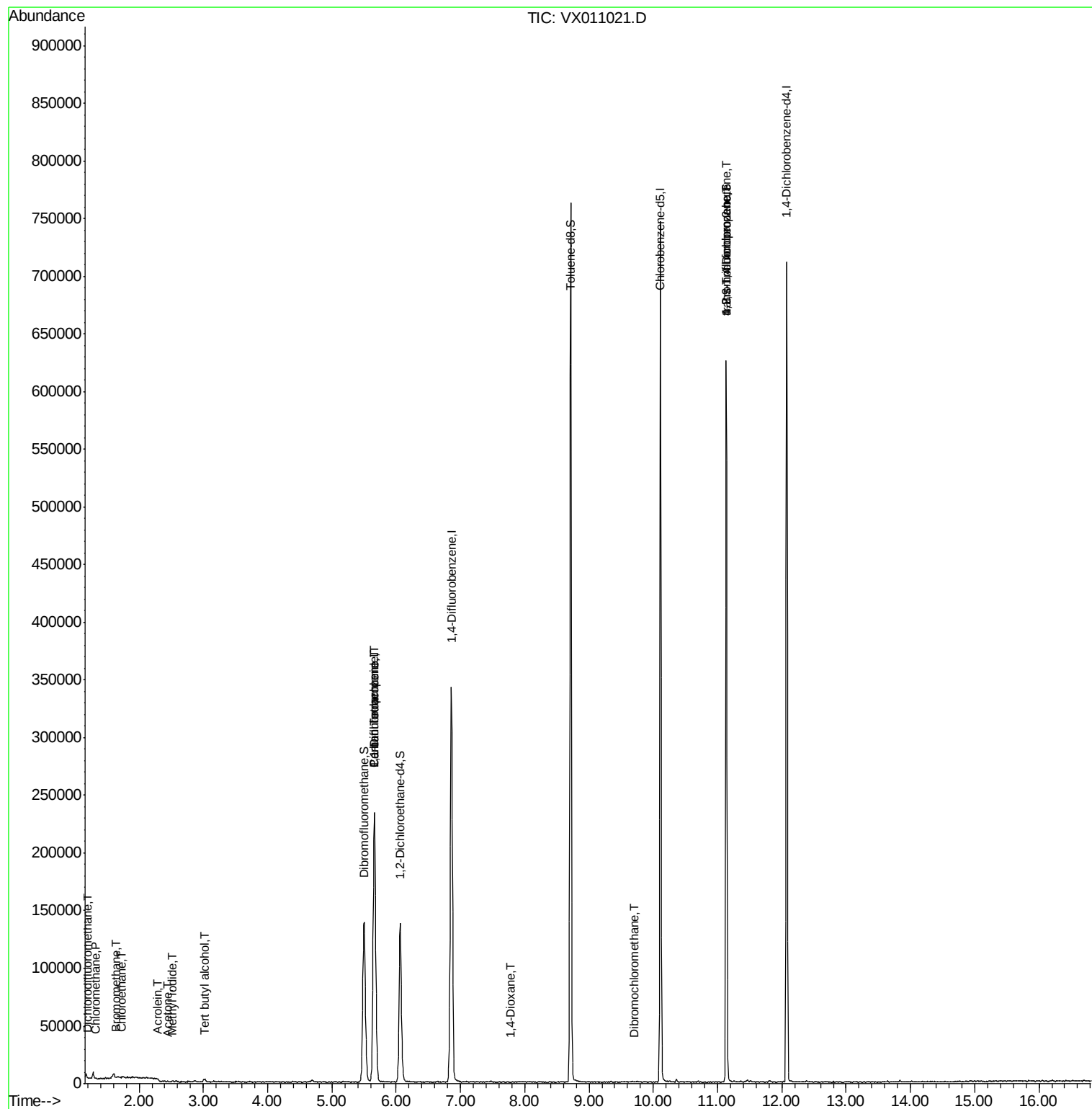
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	111	0.590	ug/l #	43
3) Chloromethane	1.33	50	562	0.262	ug/l #	77
5) Bromomethane	1.65	94	875	0.708	ug/l	92
6) Chloroethane	1.73	64	319	0.229	ug/l #	41
10) Methyl Iodide	2.53	142	729	0.262	ug/l #	86
11) Tert butyl alcohol	3.02	59	1223	2.113	ug/l #	73
13) Acrolein	2.29	56	215	0.643	ug/l #	15
16) Acetone	2.44	43	319	0.284	ug/l #	40
36) 1,1-Dichloropropene	5.66	75	16090	5.284	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22331	7.038	ug/l #	17
49) 1,4-Dioxane	7.78	88	48	0.687	ug/l #	1
60) Dibromochloromethane	9.69	129	20	2.534	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	77365	26.917	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	77365	66.748	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: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011021.D

Acq: 22 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

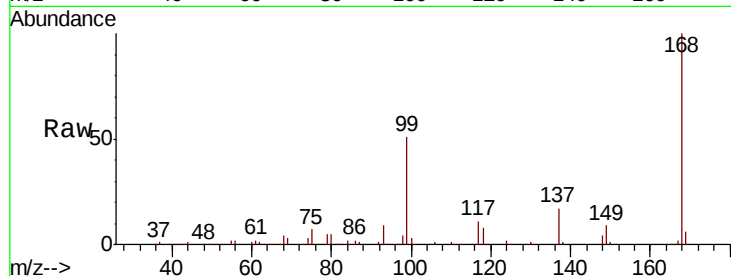
VX0722MBL01

Tot Ion:168 Resp: 233659

Ion Ratio Lower Upper

168 100

99 51.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

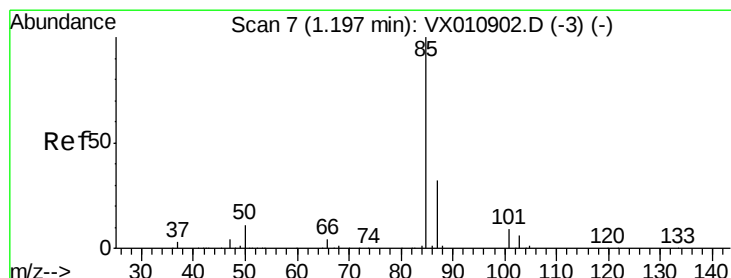
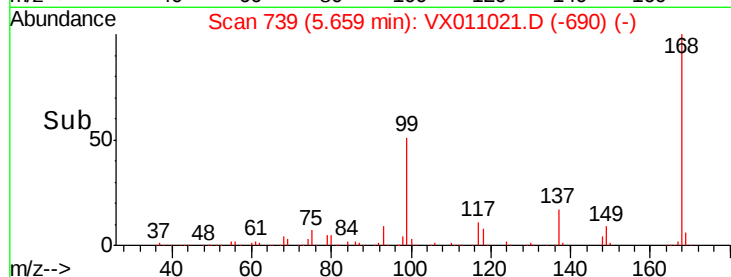
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.590 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011021.D

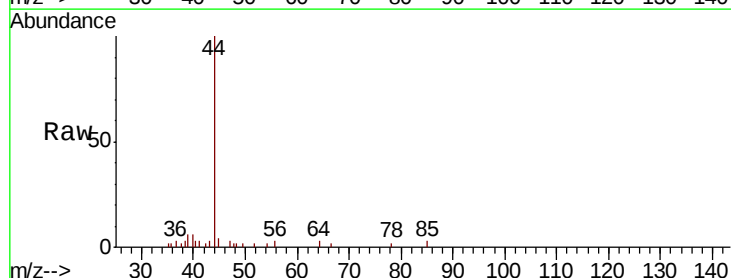
Acq: 22 Jul 2019 11:30

Tgt Ion: 85 Resp: 111

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

1.20

100

80

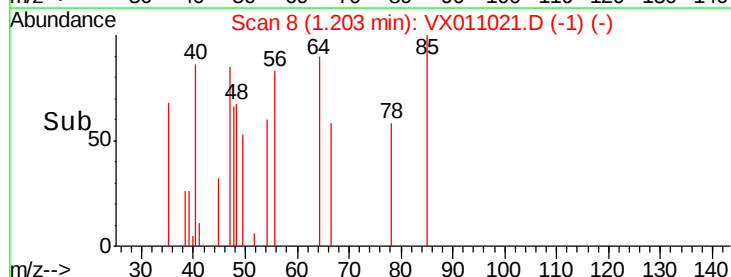
60

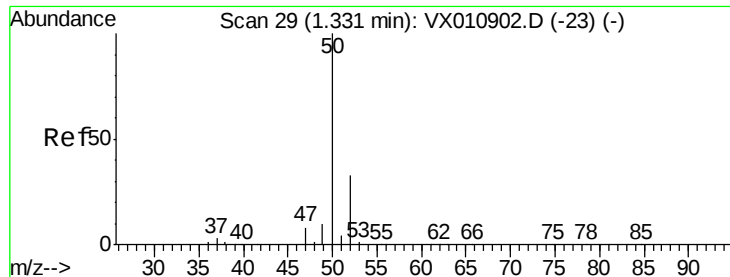
40

20

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.262 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011021.D

Acq: 22 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

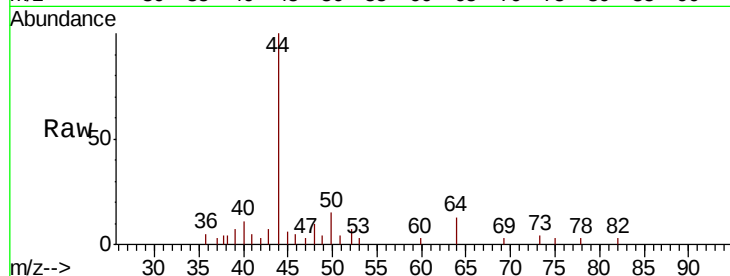
VX0722MBL01

Tot Ion: 50 Resp: 562

Ion Ratio Lower Upper

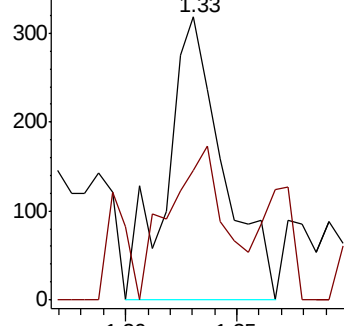
50 100

52 19.8 26.4 39.6#

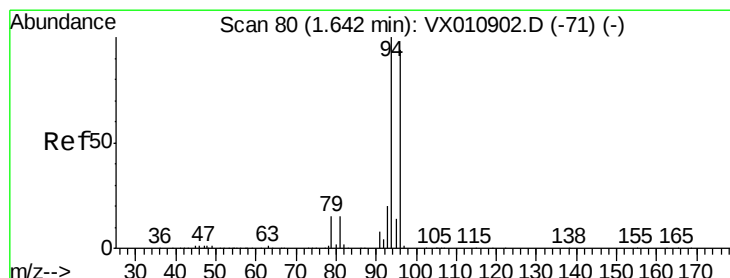
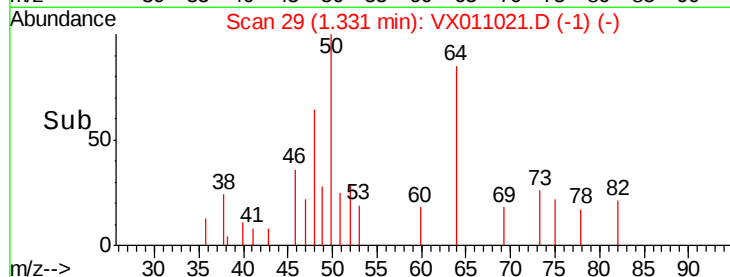


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: 0.708 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX011021.D

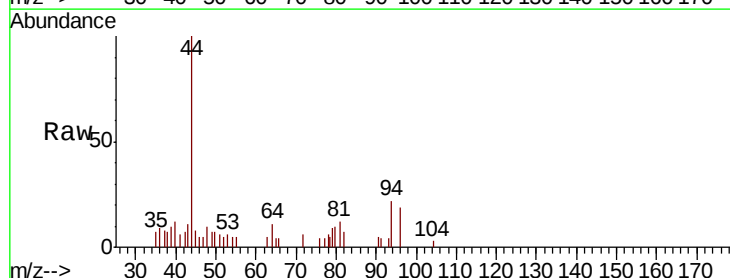
Acq: 22 Jul 2019 11:30

Tgt Ion: 94 Resp: 875

Ion Ratio Lower Upper

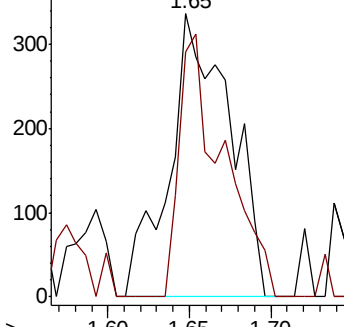
94 100

96 86.6 75.6 113.4

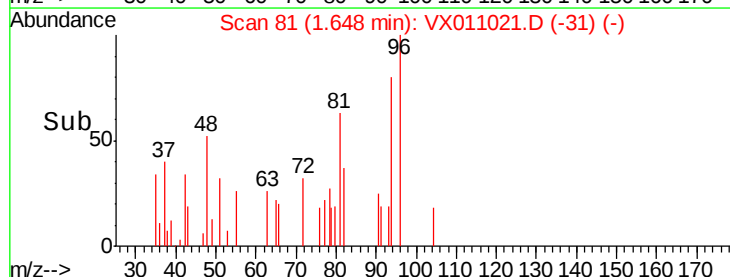


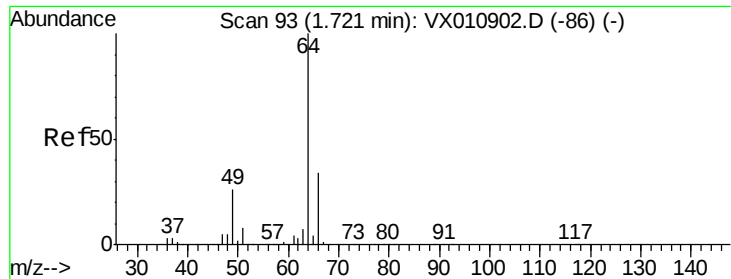
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->





#6

Chloroethane

Concen: 0.229 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX011021.D

Acq: 22 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

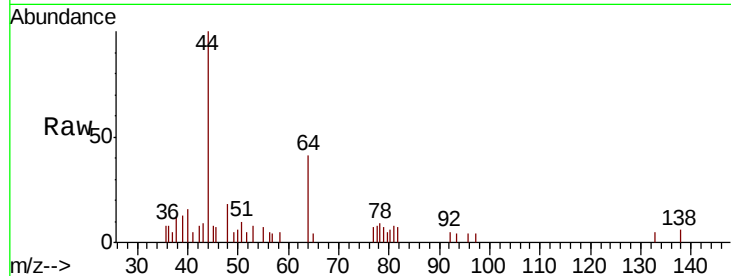
VX0722MBL01

Tot Ion: 64 Resp: 319

Ion Ratio Lower Upper

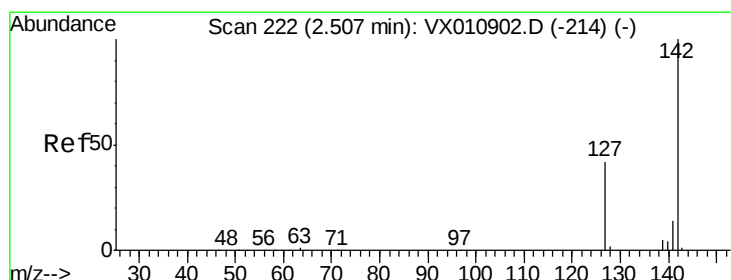
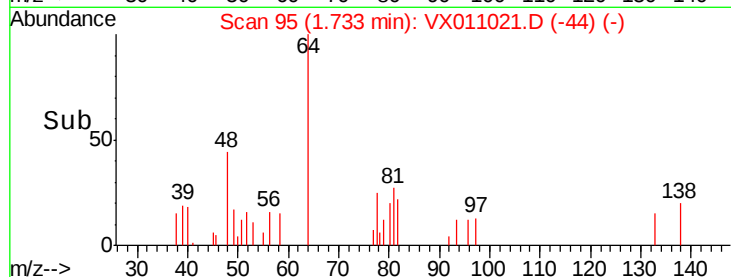
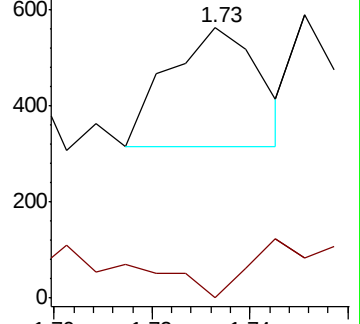
64 100

66 0.0 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.262 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX011021.D

Acq: 22 Jul 2019 11:30

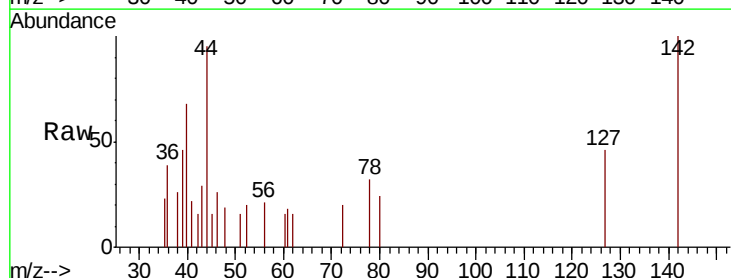
Tgt Ion: 142 Resp: 729

Ion Ratio Lower Upper

142 100

127 49.7 34.2 51.4

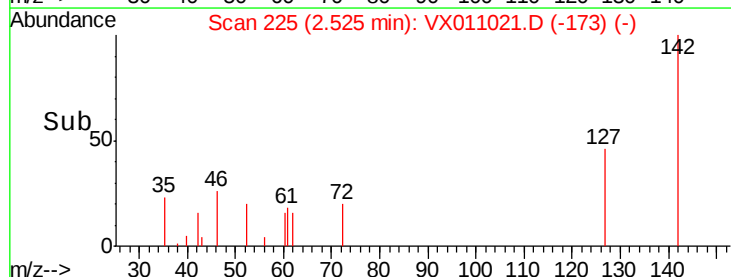
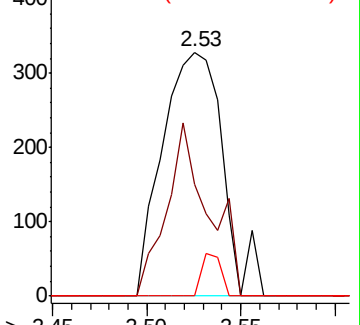
141 5.5 11.7 17.5#

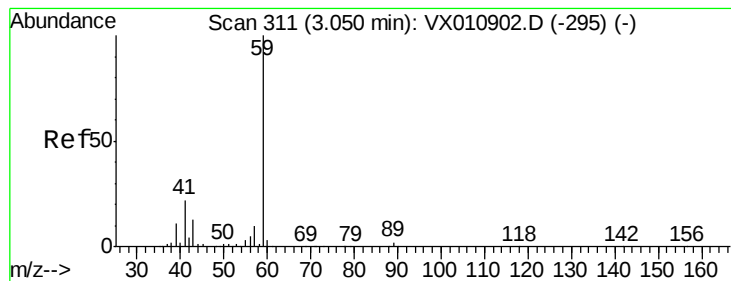


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



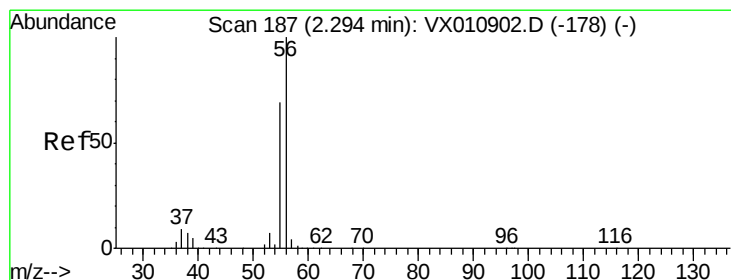
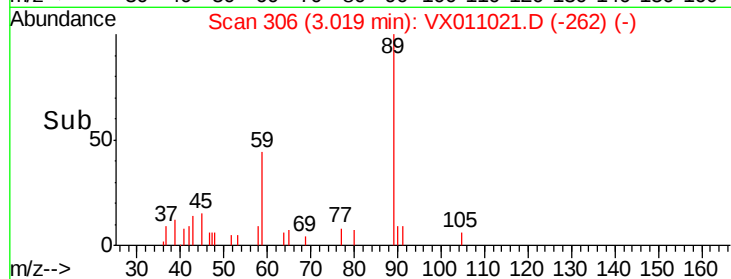
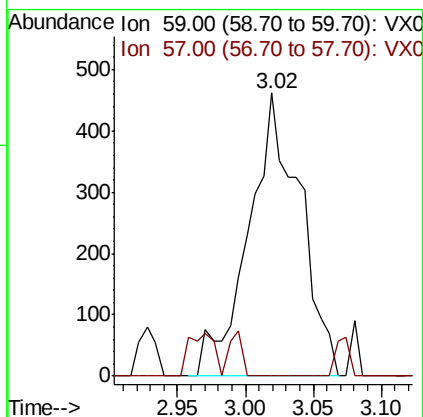
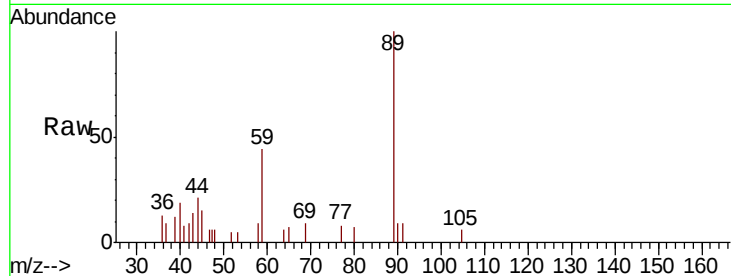


#11

Tert butyl alcohol
 Concen: 2.113 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX011021.D
 Acq: 22 Jul 2019 11:30

Instrument :
 MSVOA_X
 ClientSampled :
 VX0722MBL01

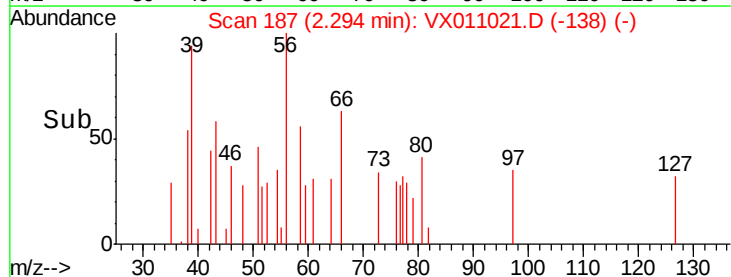
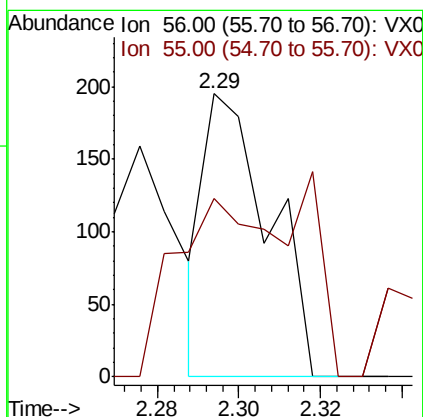
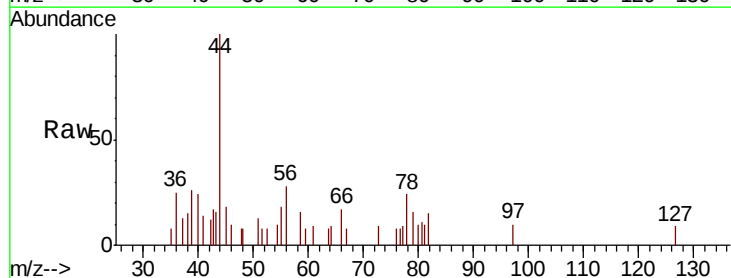
Tot Ion: 59 Resp: 1223
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

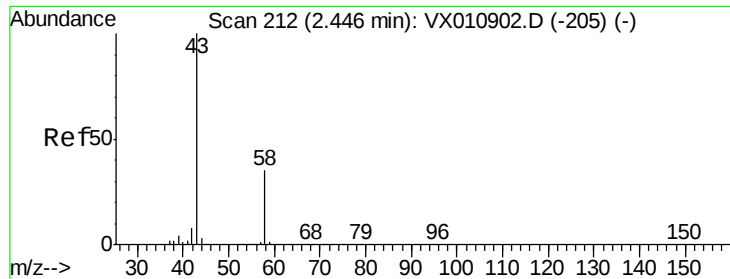


#13

Acrolein
 Concen: 0.643 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX011021.D
 Acq: 22 Jul 2019 11:30

Tgt Ion: 56 Resp: 215
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.9 83.9#





#16

Acetone

Concen: 0.284 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011021.D

Acq: 22 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

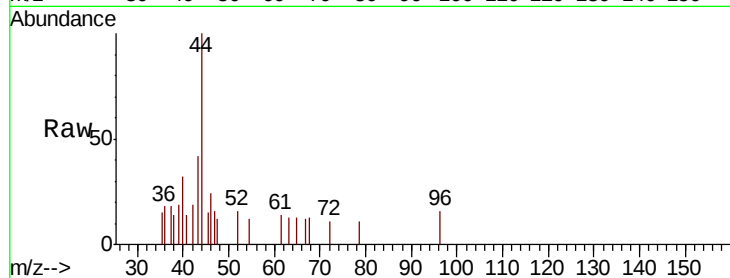
VX0722MBL01

Tot Ion: 43 Resp: 319

Ion Ratio Lower Upper

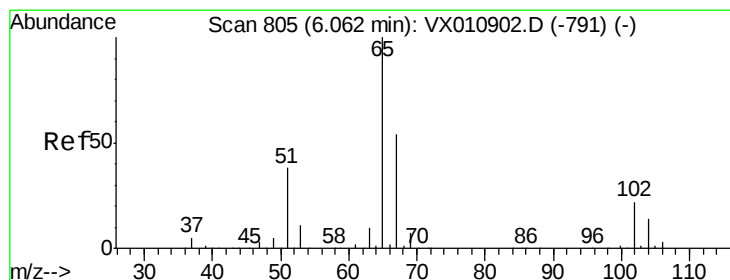
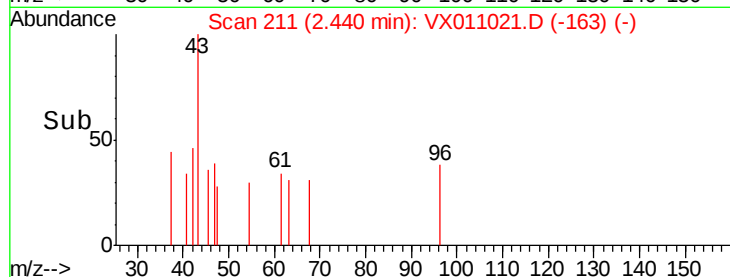
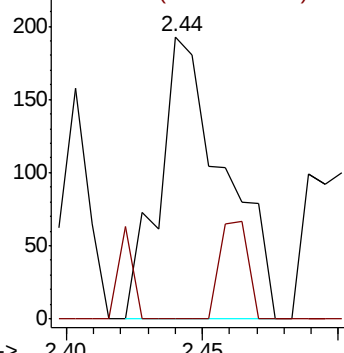
43 100

58 0.0 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.033 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011021.D

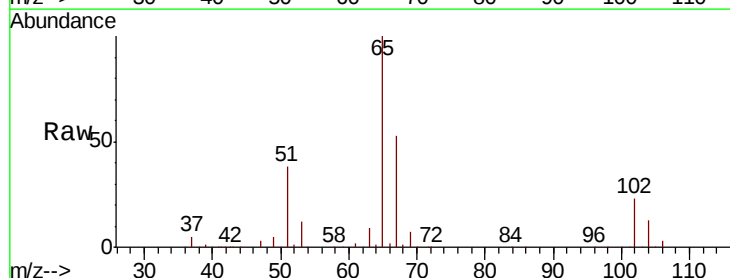
Acq: 22 Jul 2019 11:30

Tgt Ion: 65 Resp: 126857

Ion Ratio Lower Upper

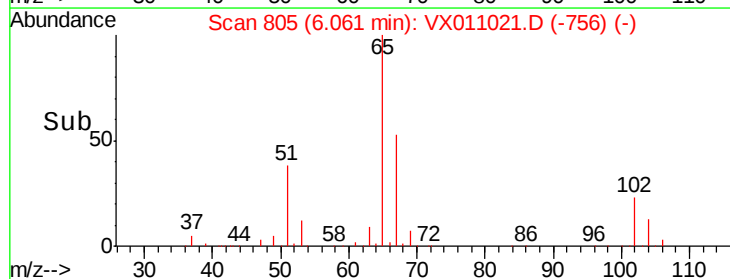
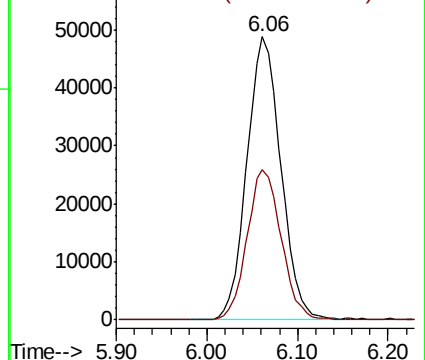
65 100

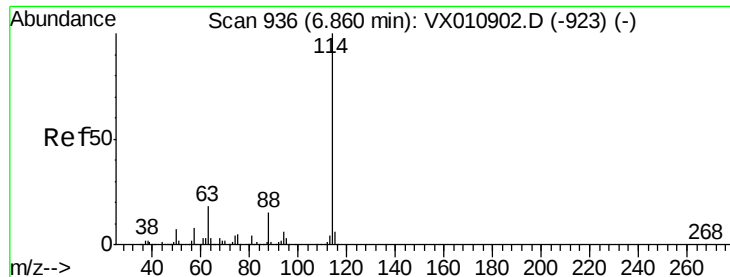
67 53.4 0.0 107.8



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: VX011021.D

Acq: 22 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBL01

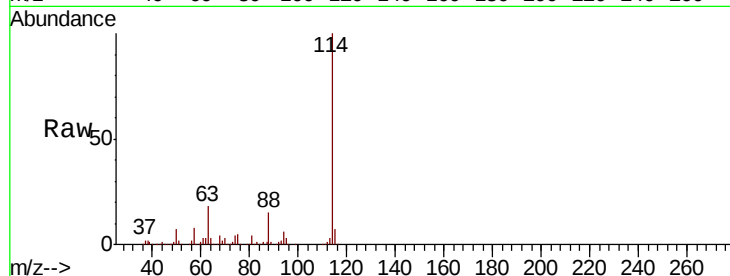
Tot Ion:114 Resp: 370676

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

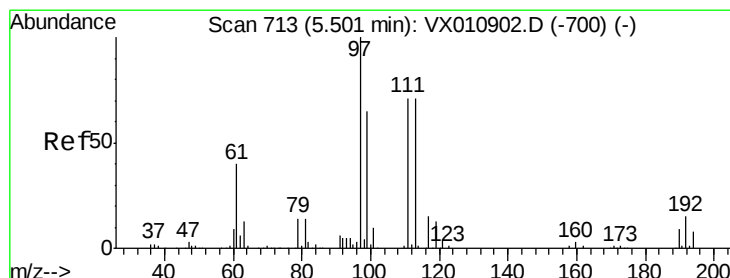
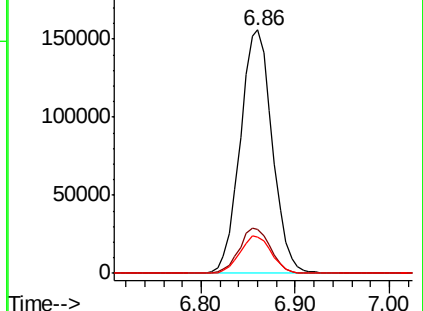
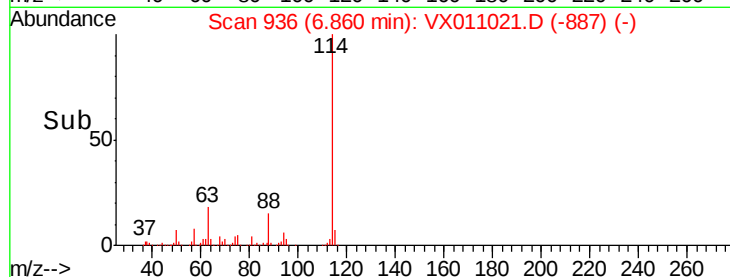
88 15.1 0.0 29.8



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: 50.084 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011021.D

Acq: 22 Jul 2019 11:30

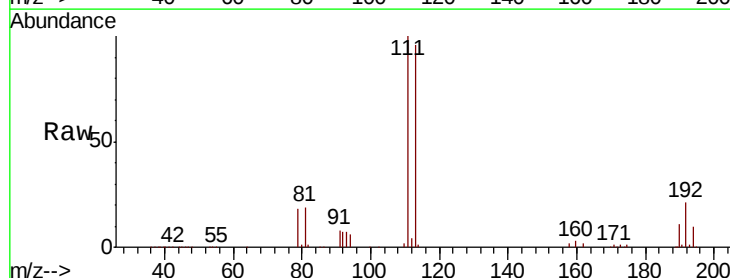
Tgt Ion:113 Resp: 117835

Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

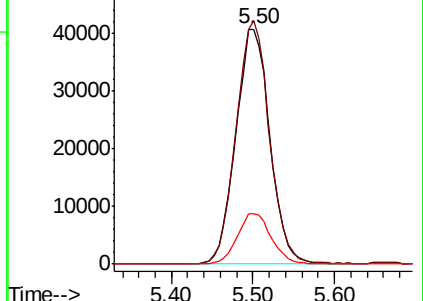
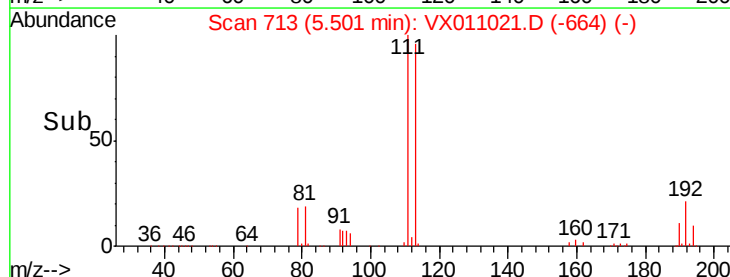
192 21.5 17.4 26.2

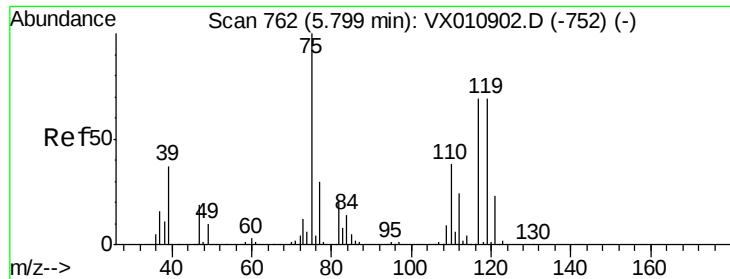


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.284 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011021.D

Acq: 22 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBL01

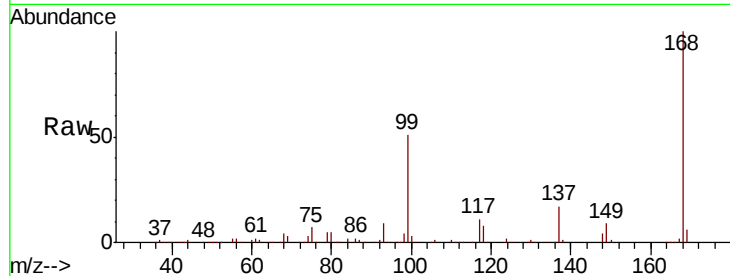
Tot Ion: 75 Resp: 16090

Ion Ratio Lower Upper

75 100

110 10.2 19.9 59.7#

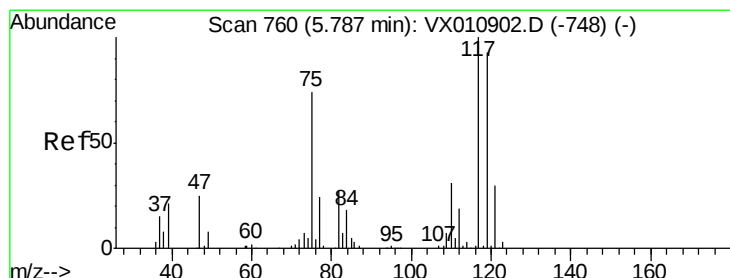
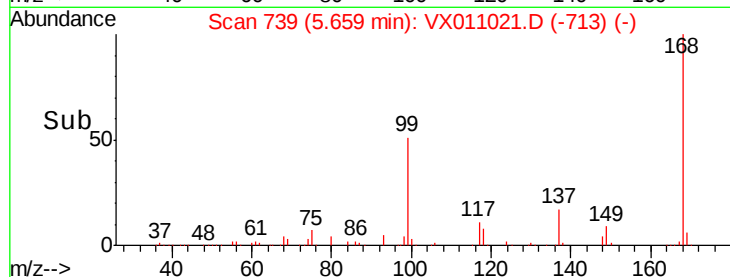
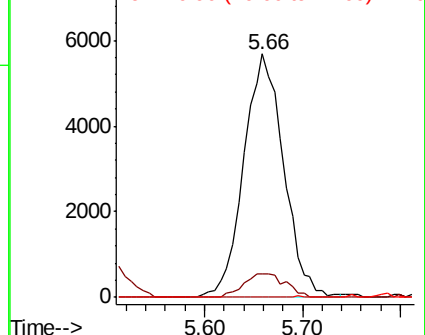
77 0.0 25.0 37.4#



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: 7.038 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011021.D

Acq: 22 Jul 2019 11:30

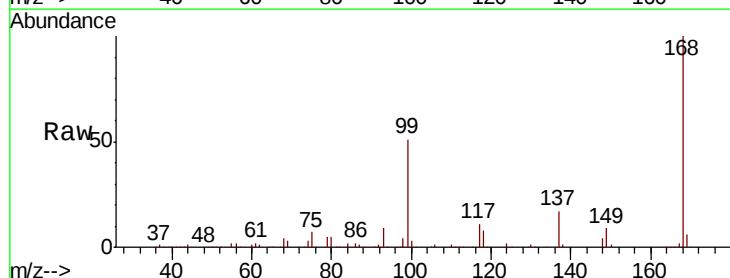
Tgt Ion: 117 Resp: 22331

Ion Ratio Lower Upper

117 100

119 4.3 74.2 111.2#

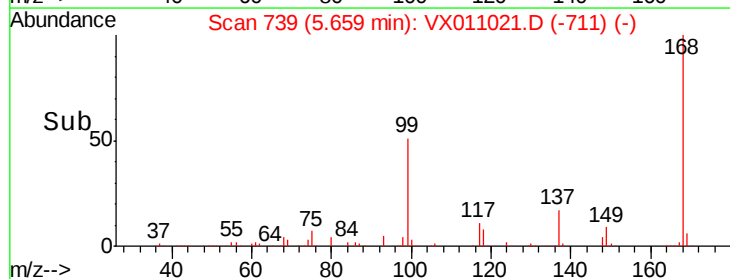
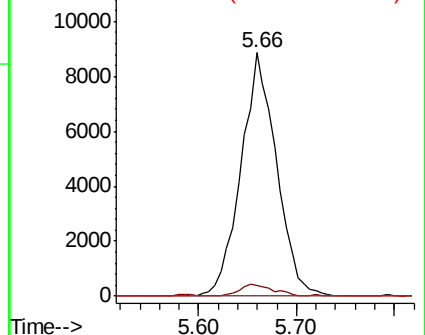
121 0.0 24.2 36.2#

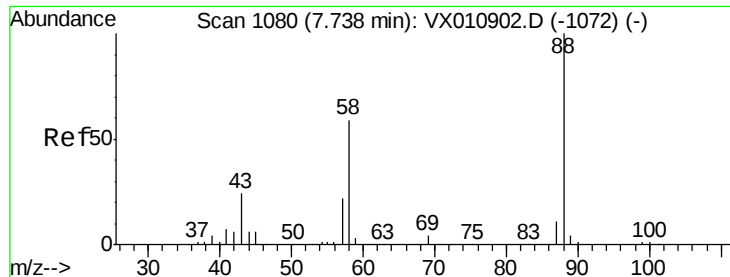


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

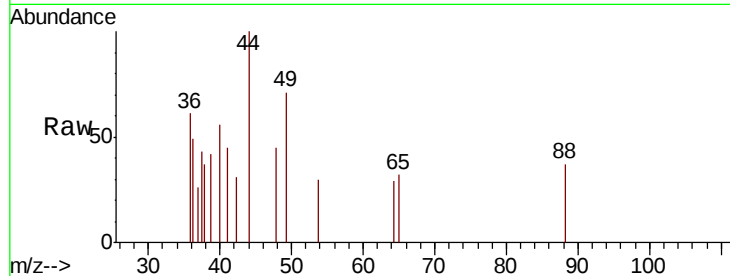




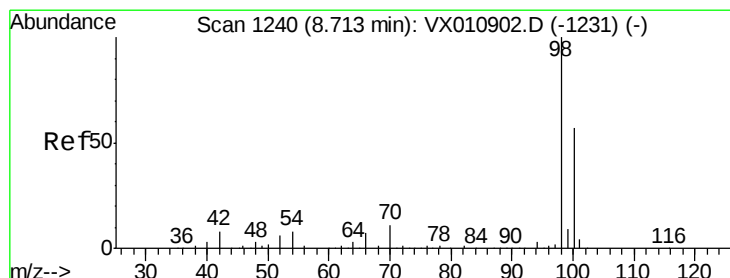
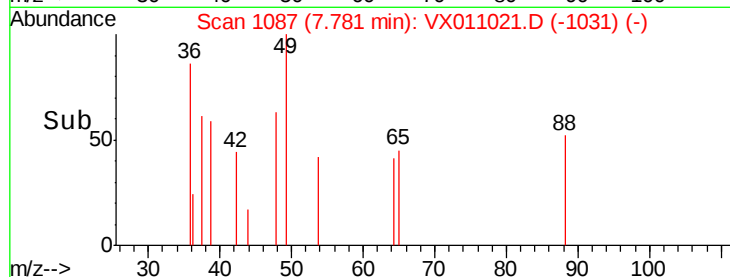
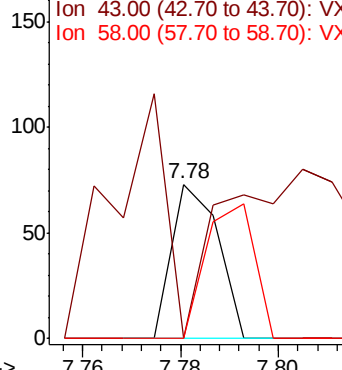
#49
 1,4-Dioxane
 Concen: 0.687 ug/l
 RT: 7.78 min Scan# 1087
 Delta R.T. 0.04 min
 Lab File: VX011021.D
 Acq: 22 Jul 2019 11:30

Instrument :
 MSVOA_X
 ClientSampled :
 VX0722MBL01

Tot Ion: 88 Resp: 48
 Ion Ratio Lower Upper
 88 100
 43 187.5 22.9 34.3#
 58 0.0 49.8 74.8#

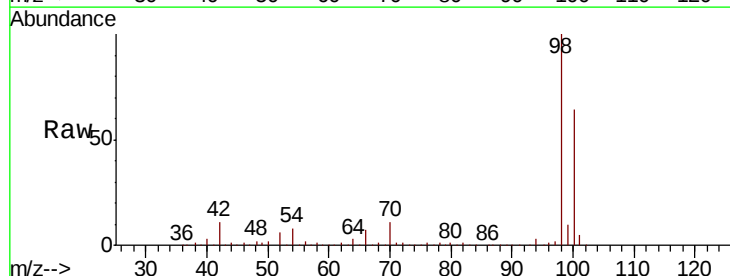


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

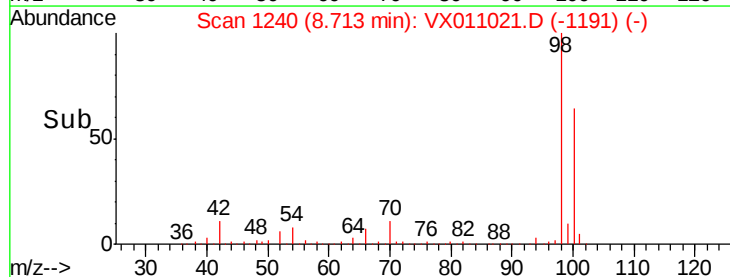
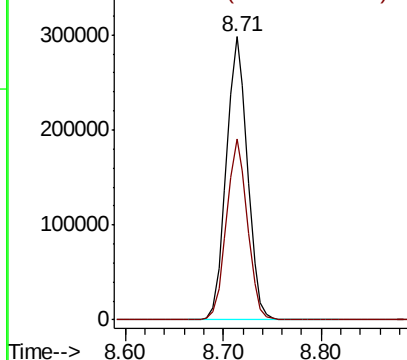


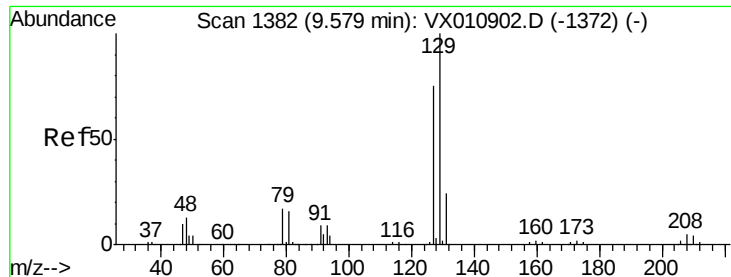
#50
 Toluene-d8
 Concen: 50.687 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX011021.D
 Acq: 22 Jul 2019 11:30

Tgt Ion: 98 Resp: 447281
 Ion Ratio Lower Upper
 98 100
 100 63.2 50.6 75.8



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

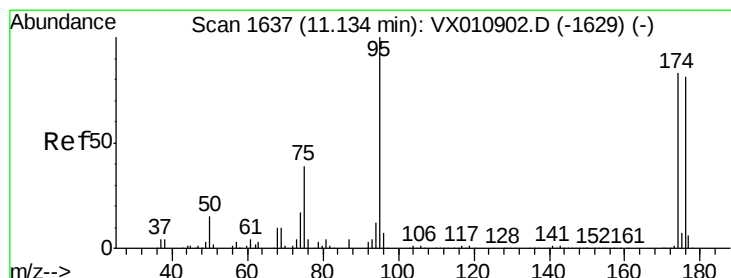
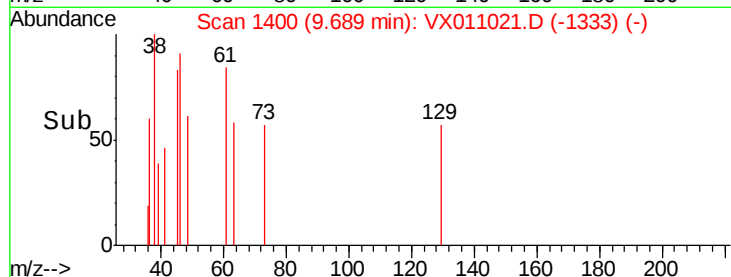
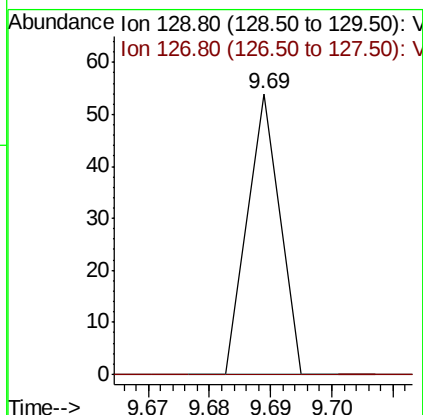
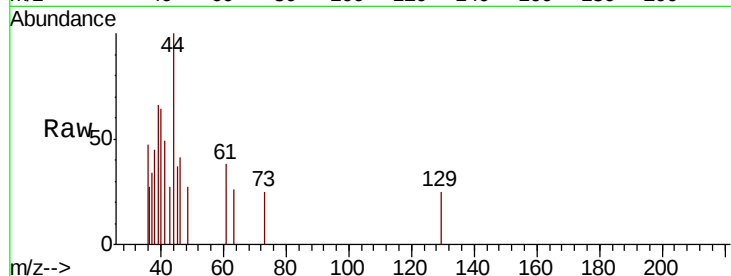




#60
 Dibromochloromethane
 Concen: 2.534 ug/l
 RT: 9.69 min Scan# 1400
 Delta R.T. 0.11 min
 Lab File: VX011021.D
 Acq: 22 Jul 2019 11:30

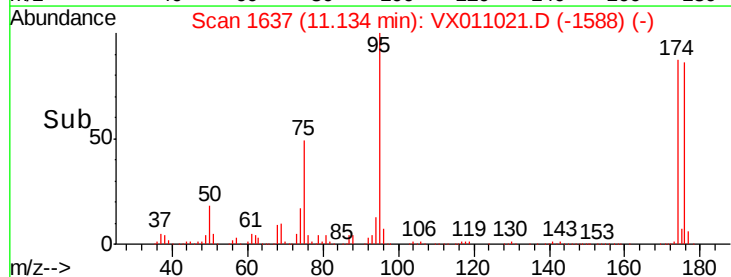
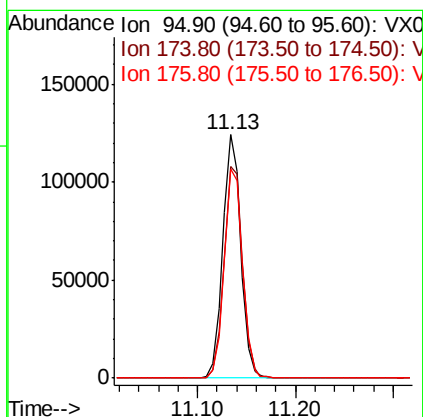
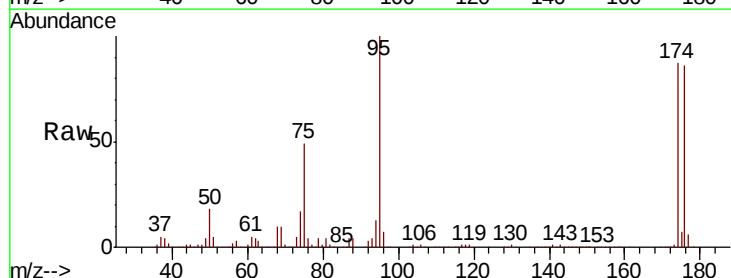
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0722MBL01

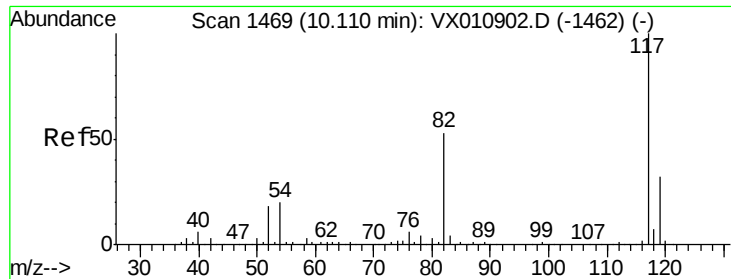
Tot Ion:129 Resp: 20
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.8#



#62
 4-Bromofluorobenzene
 Concen: 48.707 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX011021.D
 Acq: 22 Jul 2019 11:30

Tgt Ion: 95 Resp: 157984
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 180.6
 176 88.0 0.0 173.8

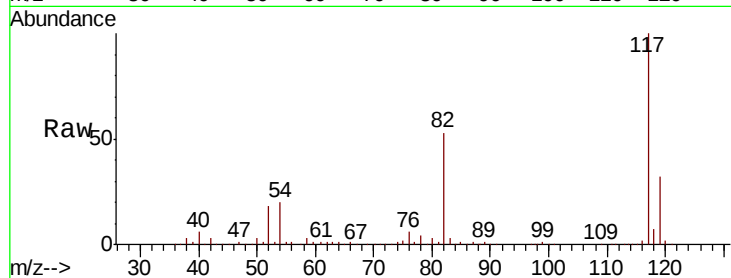




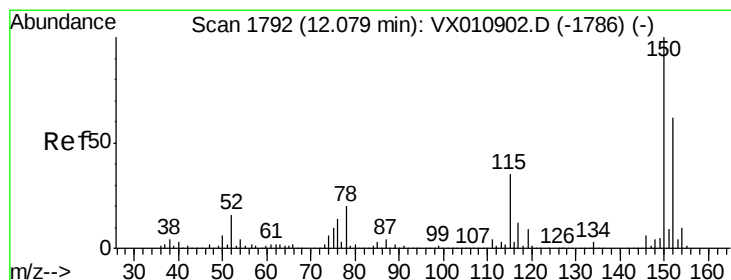
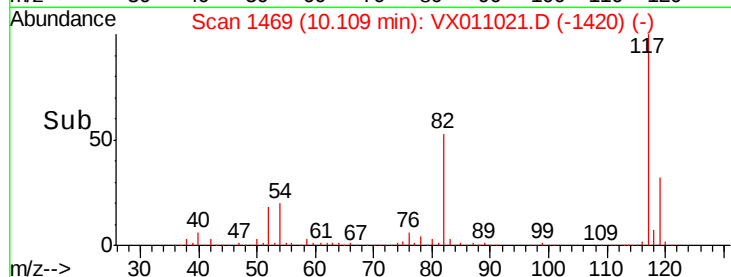
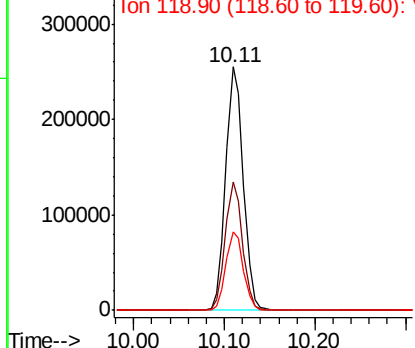
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011021.D
Acq: 22 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBL01

Tot Ion:117 Resp: 343401
Ion Ratio Lower Upper
117 100
82 52.8 42.6 63.8
119 32.2 25.9 38.9

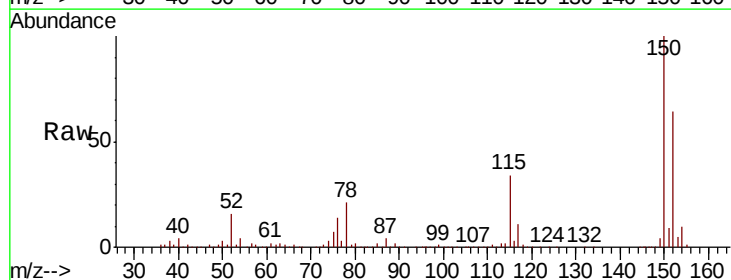


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

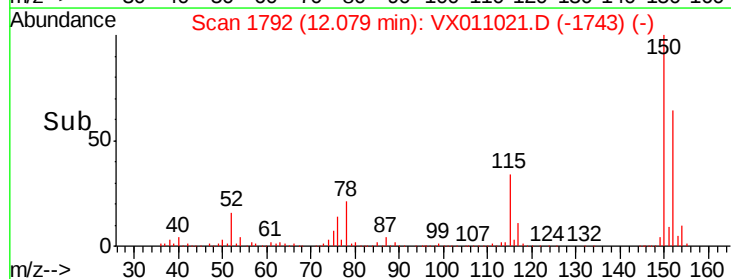
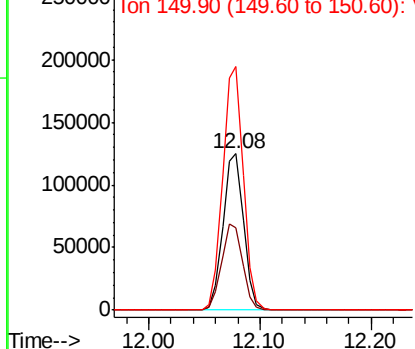


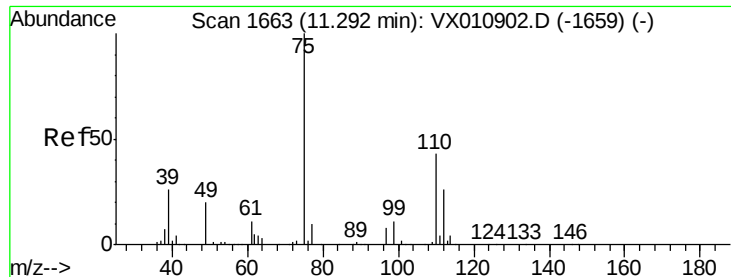
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011021.D
Acq: 22 Jul 2019 11:30

Tgt Ion:152 Resp: 159274
Ion Ratio Lower Upper
152 100
115 56.1 39.7 119.1
150 156.0 0.0 345.6



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: 26.917 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011021.D

Acq: 22 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

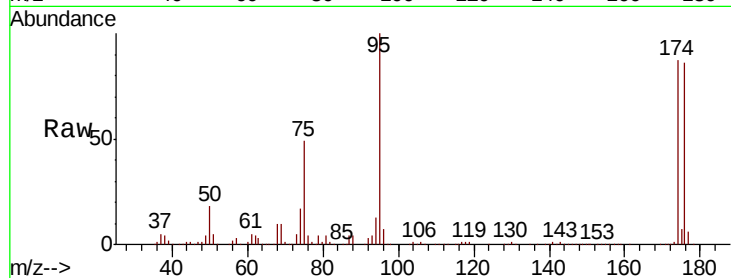
VX0722MBL01

Tot Ion: 75 Resp: 77365

Ion Ratio Lower Upper

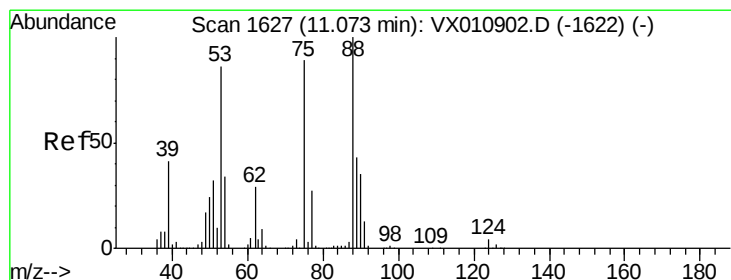
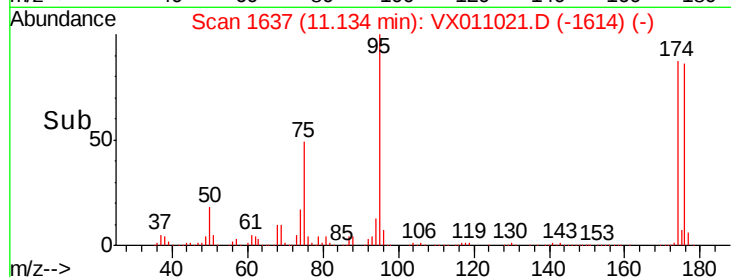
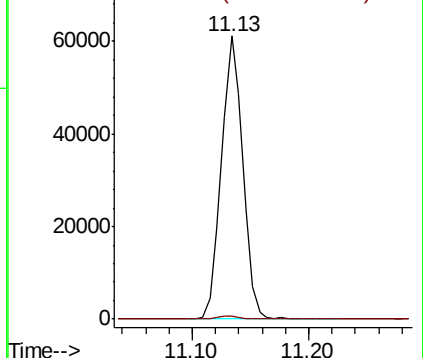
75 100

77 1.2 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: 66.748 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011021.D

Acq: 22 Jul 2019 11:30

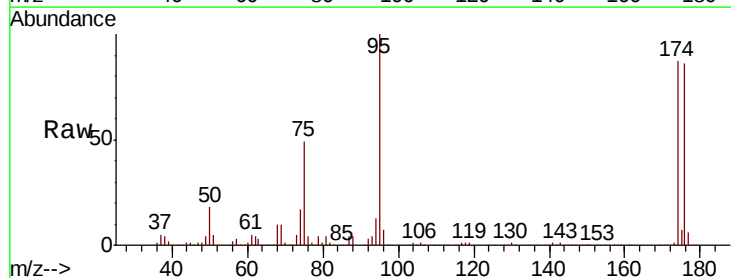
Tgt Ion: 75 Resp: 77365

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

