

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011485.D
 Acq On : 12 Aug 2019 15:52
 Operator : JC/SP
 Sample : K4278-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0708

Quant Time: Aug 13 07:40:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	179654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272971	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110297	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	100477	55.54	ug/l	0.00
Spiked Amount			Recovery	=	111.08%	
35) Dibromofluoromethane	5.49	113	84341	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	8.71	98	322248	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.13	95	105254	43.82	ug/l	0.00
Spiked Amount			Recovery	=	87.64%	

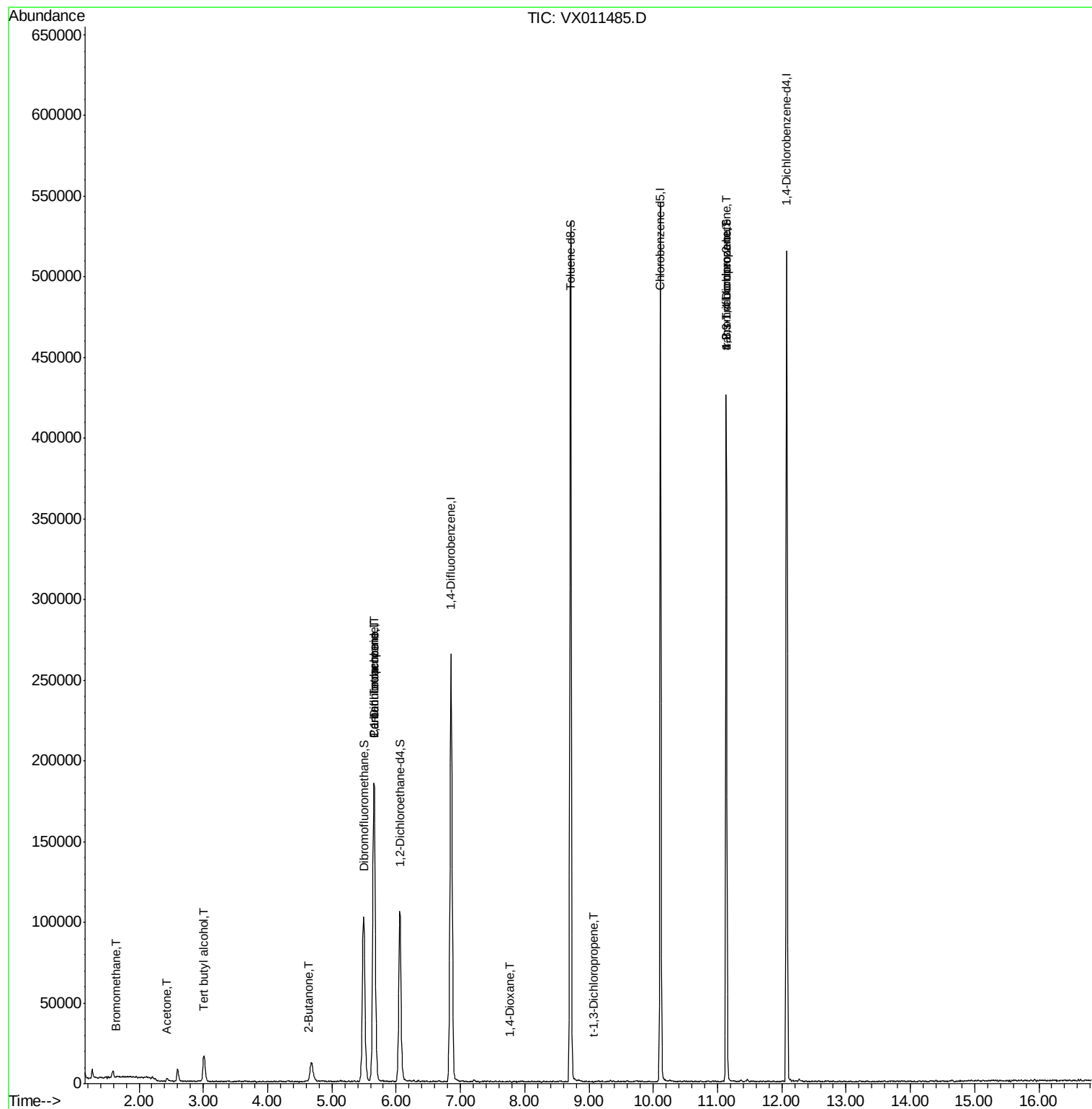
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	420	0.344	ug/l #	66
6) Chloroethane	1.70	64	50	Below Cal	#	66
11) Tert butyl alcohol	3.01	59	9311	25.829	ug/l #	83
16) Acetone	2.43	43	1882	2.185	ug/l	99
25) 2-Butanone	4.64	43	283	0.231	ug/l #	46
36) 1,1-Dichloropropene	5.65	75	12571	5.275	ug/l #	49
38) Carbon Tetrachloride	5.65	117	17759	7.406	ug/l #	17
49) 1,4-Dioxane	7.76	88	29	0.556	ug/l #	1
53) t-1,3-Dichloropropene	9.08	75	20	2.846	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	54211	26.989	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	54211	70.069	ug/l #	10

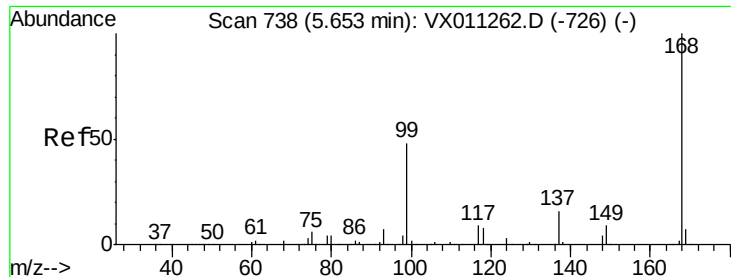
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
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QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011485.D

Acq: 12 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

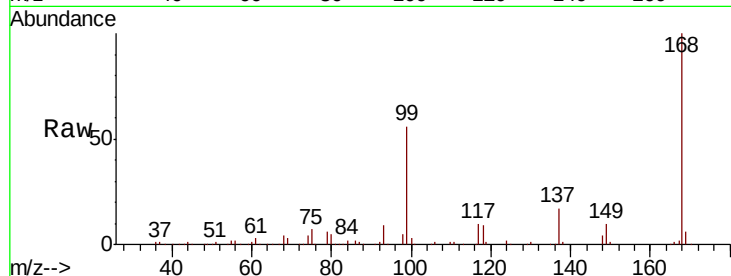
Z3-0708

Tgt Ion:168 Resp: 179654

Ion Ratio Lower Upper

168 100

99 55.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

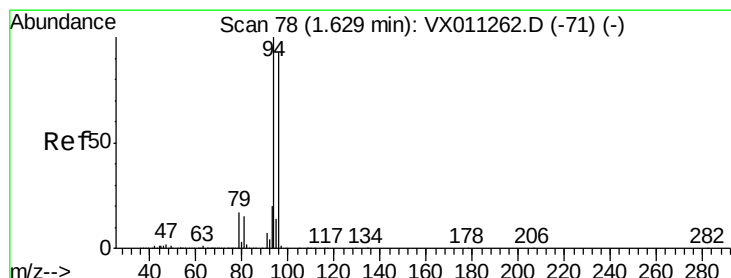
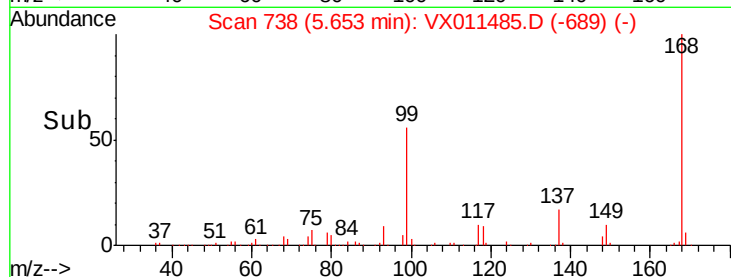
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.344 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011485.D

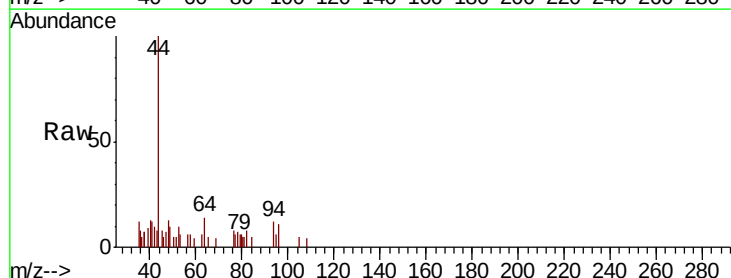
Acq: 12 Aug 2019 15:52

Tgt Ion: 94 Resp: 420

Ion Ratio Lower Upper

94 100

96 60.3 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

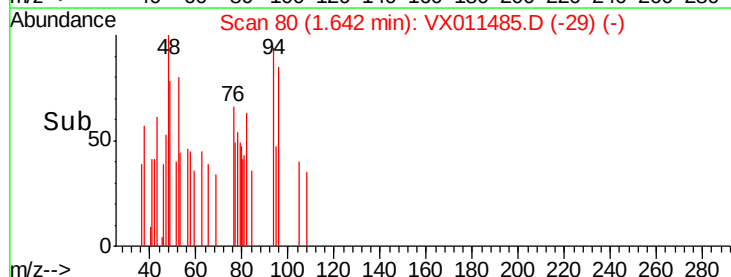
150

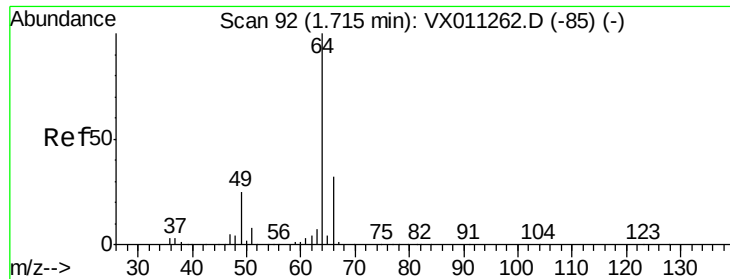
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011485.D

Acq: 12 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

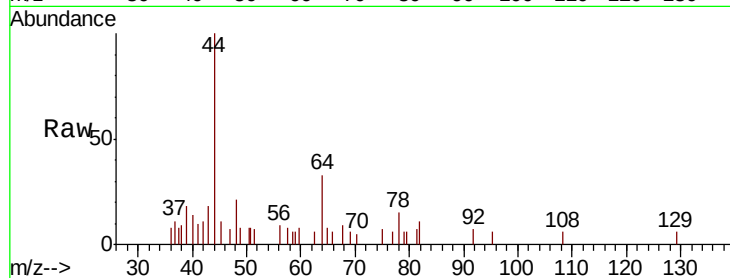
Z3-0708

Tgt Ion: 64 Resp: 50

Ion Ratio Lower Upper

64 100

66 50.5 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

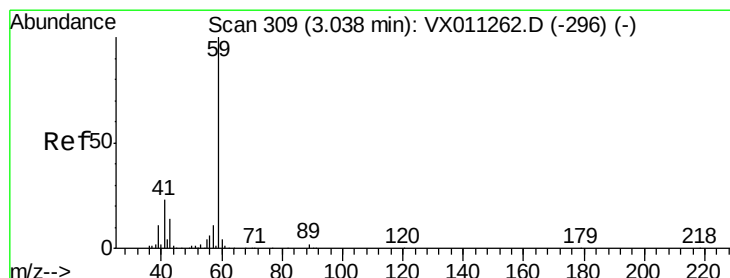
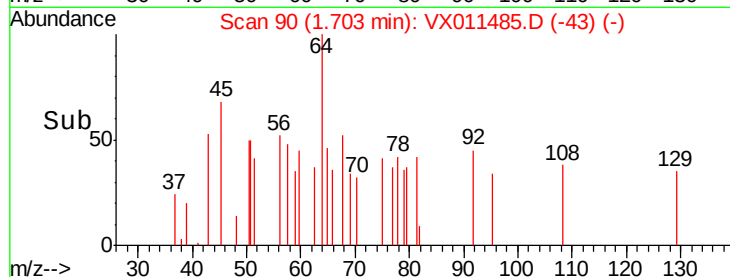
300

200

100

0

Time-->



#11

Tert butyl alcohol

Concen: 25.829 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011485.D

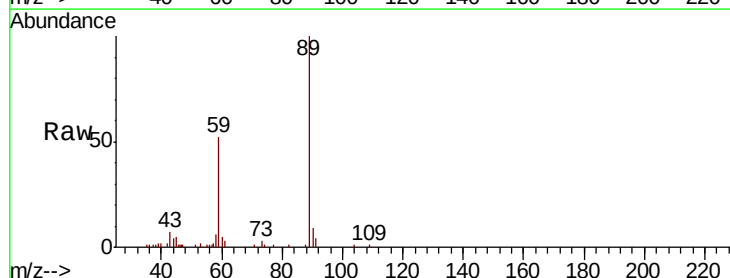
Acq: 12 Aug 2019 15:52

Tgt Ion: 59 Resp: 9311

Ion Ratio Lower Upper

59 100

57 3.9 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

4000

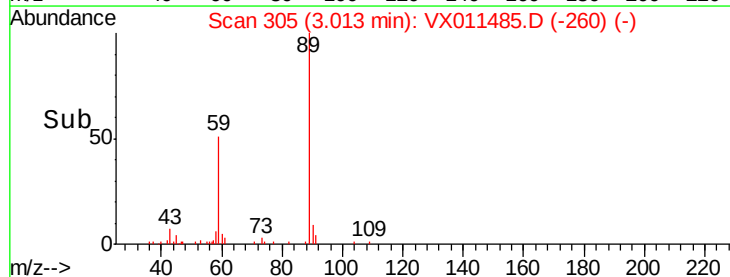
3000

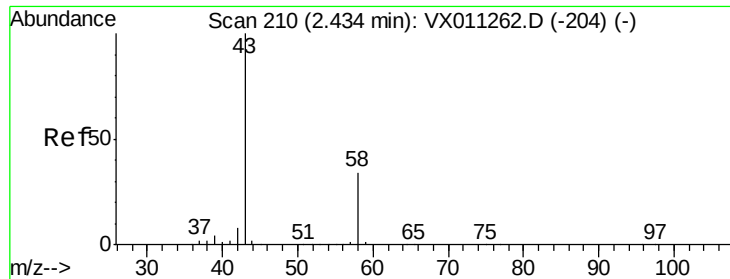
2000

1000

0

Time-->





#16

Acetone

Concen: 2.185 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011485.D

Acq: 12 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampled :

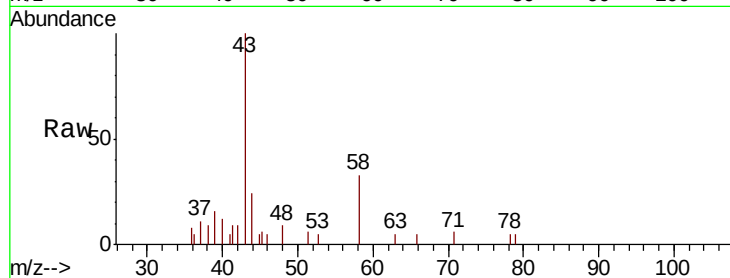
Z3-0708

Tgt Ion: 43 Resp: 1882

Ion Ratio Lower Upper

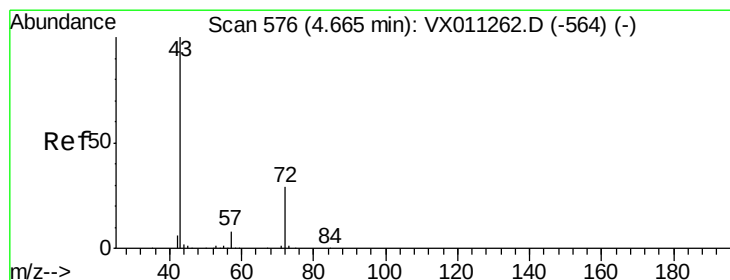
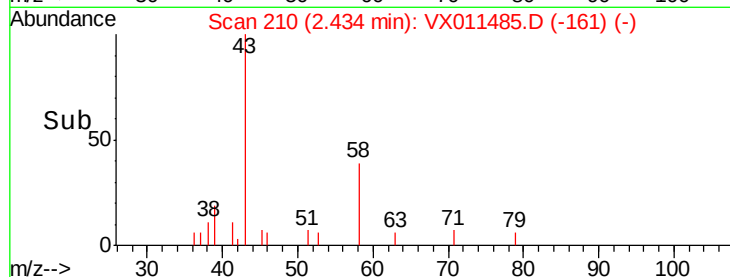
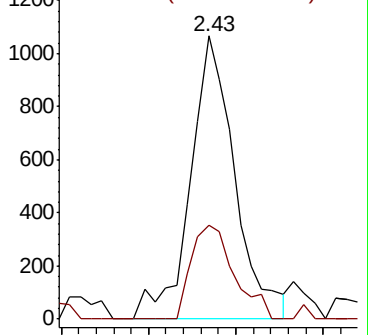
43 100

58 33.4 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.231 ug/l

RT: 4.64 min Scan# 571

Delta R.T. -0.03 min

Lab File: VX011485.D

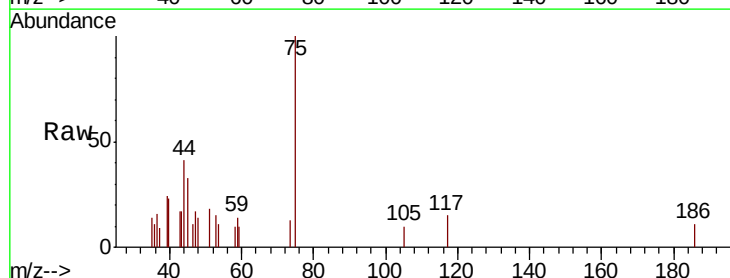
Acq: 12 Aug 2019 15:52

Tgt Ion: 43 Resp: 283

Ion Ratio Lower Upper

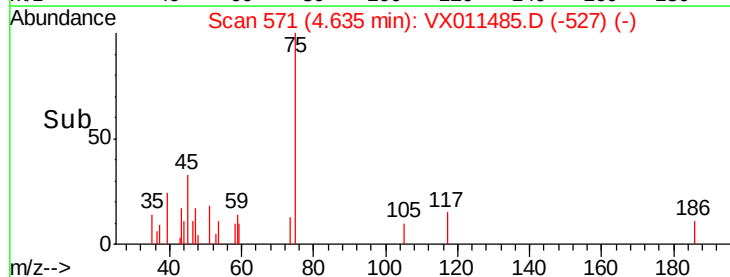
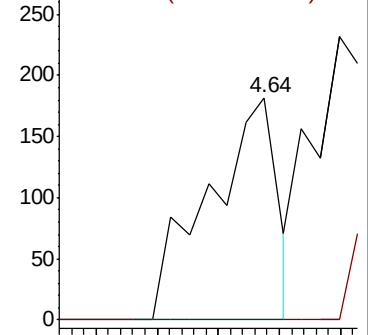
43 100

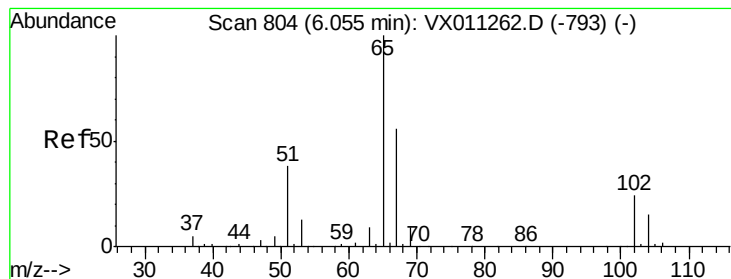
72 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 55.536 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011485.D

Acq: 12 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

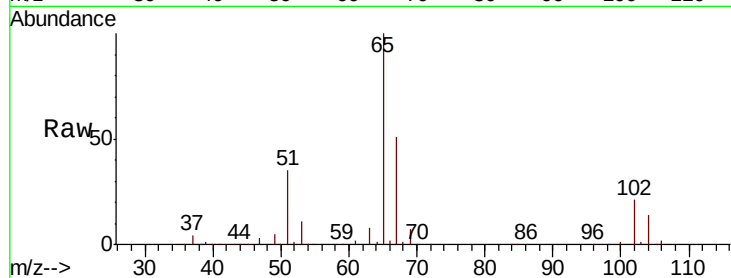
Z3-0708

Tgt Ion: 65 Resp: 100477

Ion Ratio Lower Upper

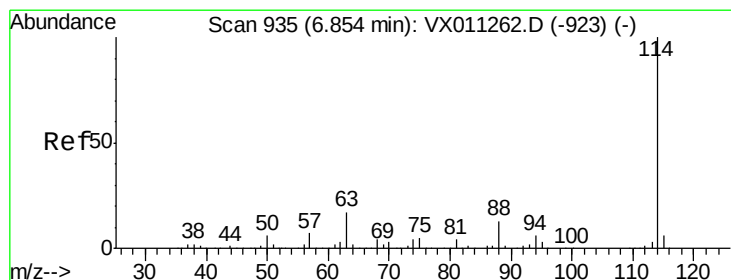
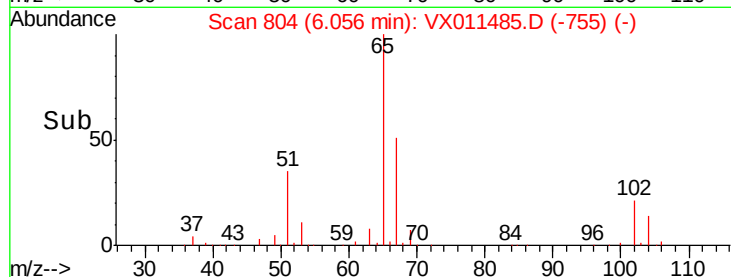
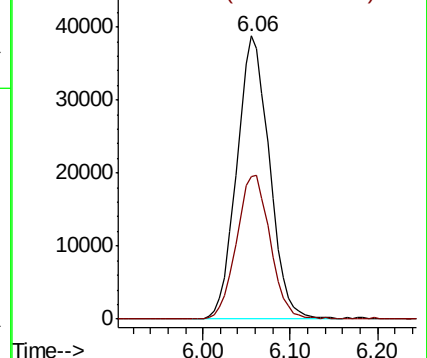
65 100

67 52.6 0.0 110.6



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: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011485.D

Acq: 12 Aug 2019 15:52

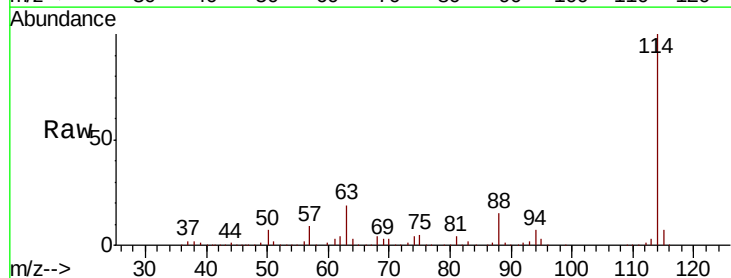
Tgt Ion: 114 Resp: 272971

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.0

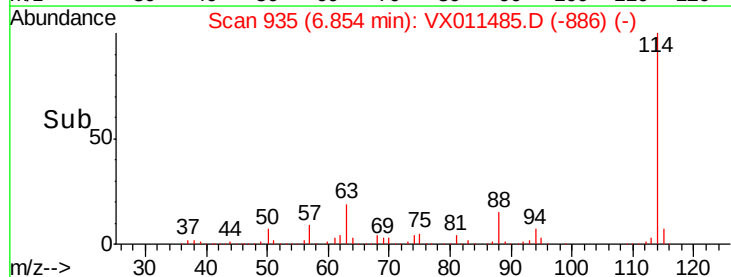
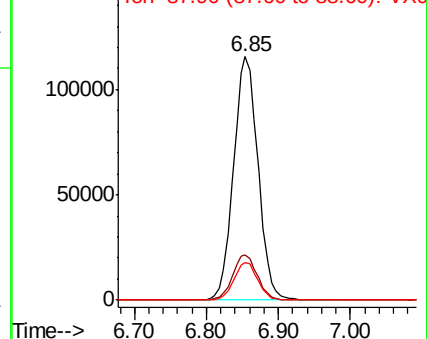
88 15.4 0.0 26.4

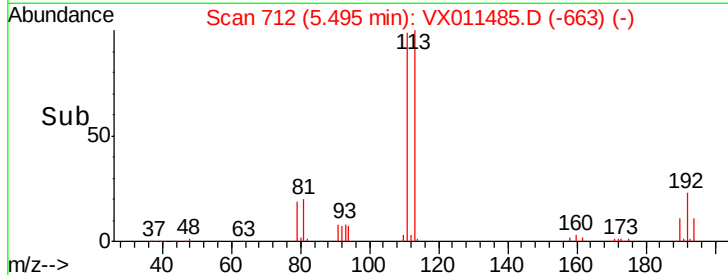
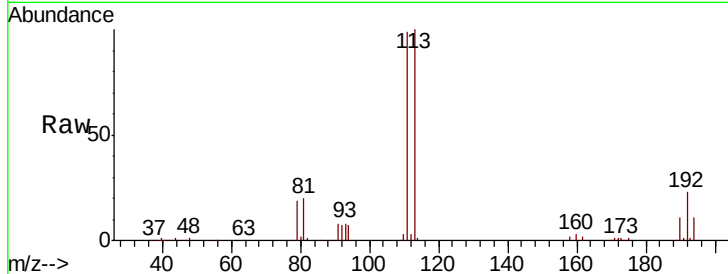
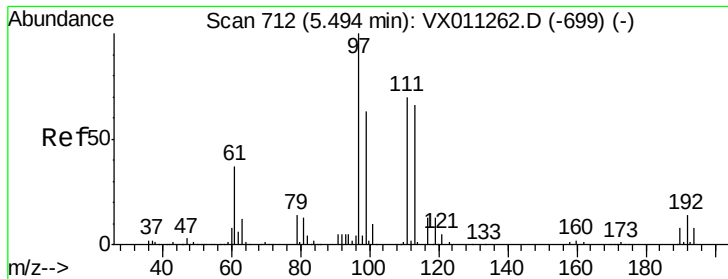


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

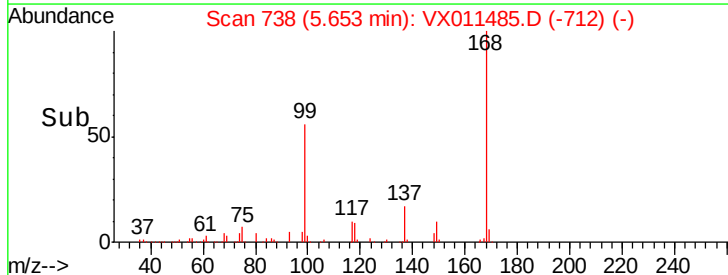
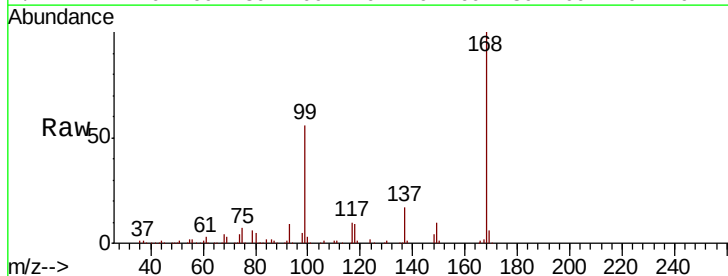
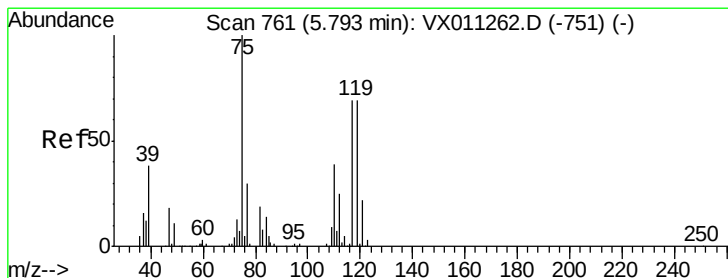
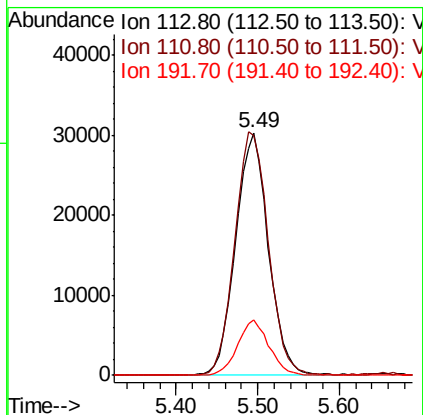




#35
Dibromofluoromethane
Concen: 47.325 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011485.D
Acq: 12 Aug 2019 15:52

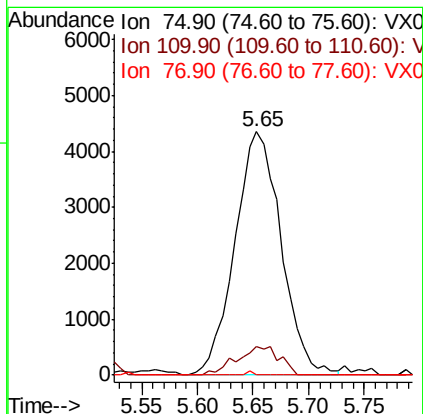
Instrument :
MSVOA_X
ClientSampleId :
Z3-0708

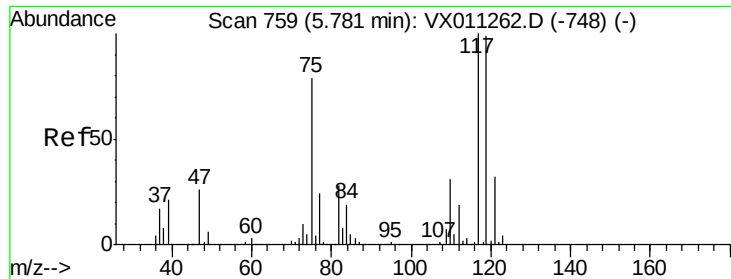
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.9	122.9
192	21.9	17.8	26.8



#36
1,1-Dichloropropene
Concen: 5.275 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.14 min
Lab File: VX011485.D
Acq: 12 Aug 2019 15:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	20.0	59.9#
77	0.2	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 7.406 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011485.D

Acq: 12 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampled :

Z3-0708

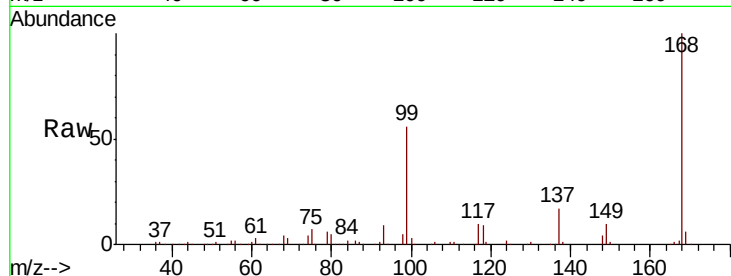
Tgt Ion:117 Resp: 17759

Ion Ratio Lower Upper

117 100

119 7.6 79.0 118.4#

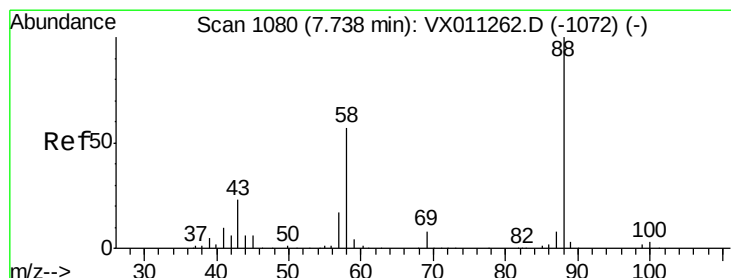
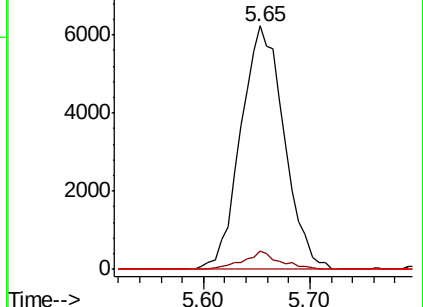
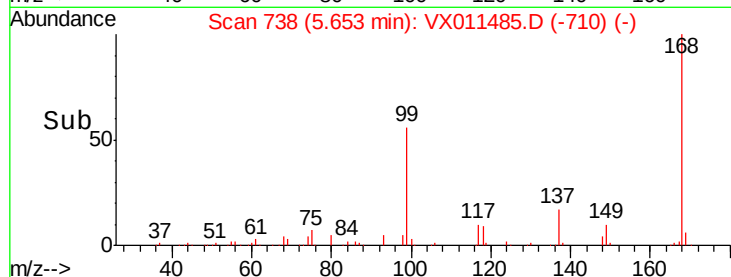
121 0.0 25.9 38.9#



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: 0.556 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX011485.D

Acq: 12 Aug 2019 15:52

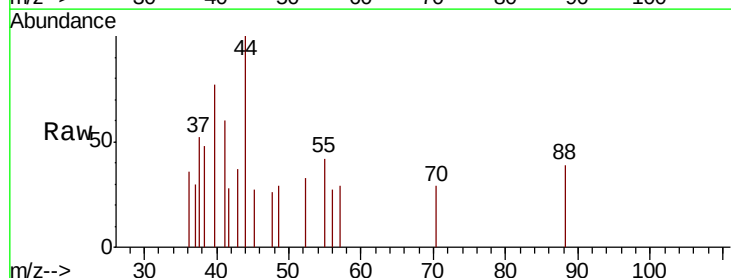
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 448.3 22.2 33.2#

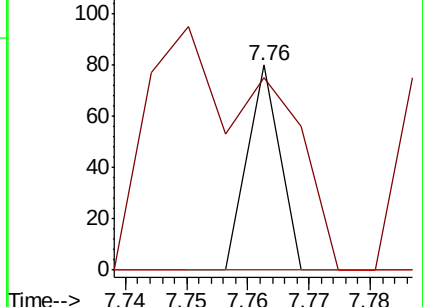
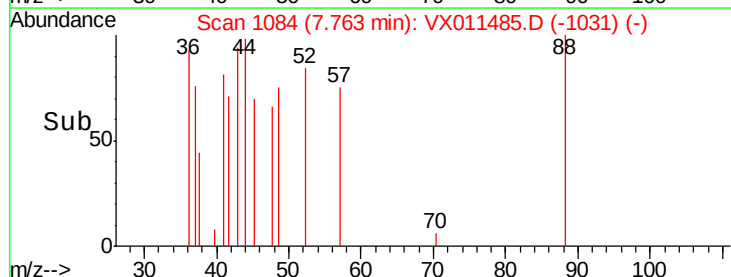
58 0.0 47.8 71.8#

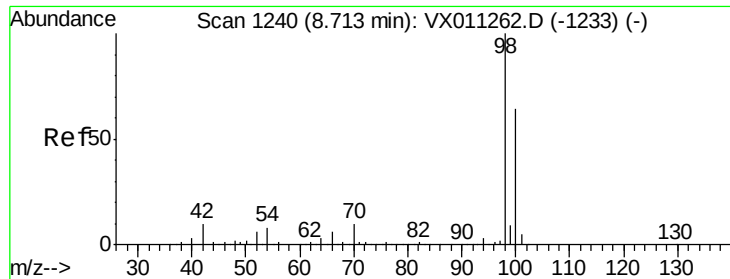


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

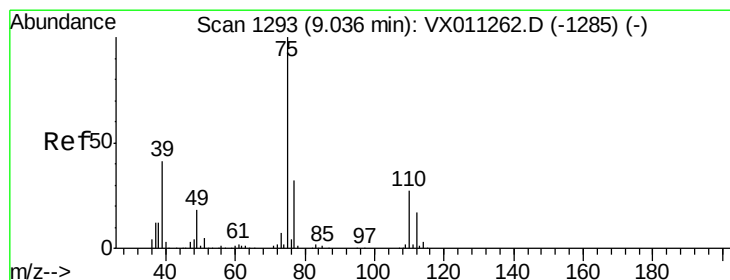
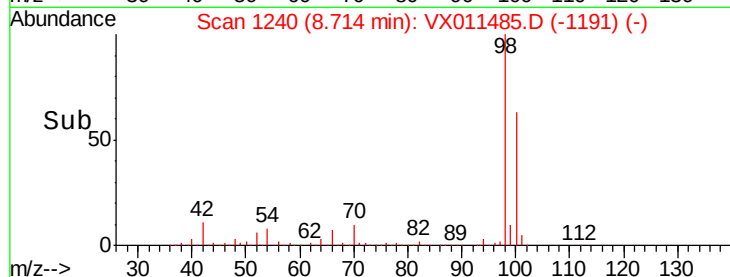
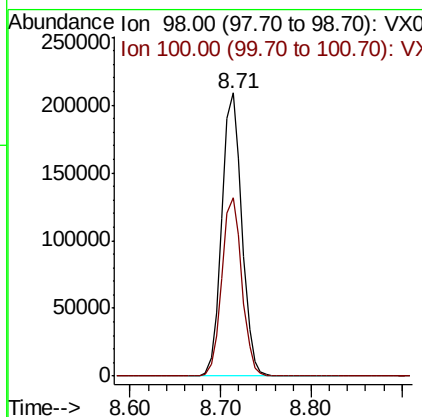
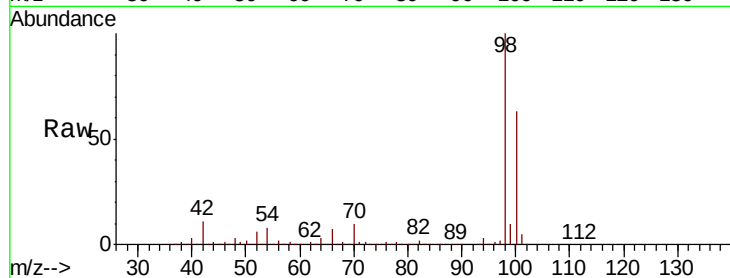




#50
Toluene-d8
Concen: 47.903 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011485.D
Acq: 12 Aug 2019 15:52

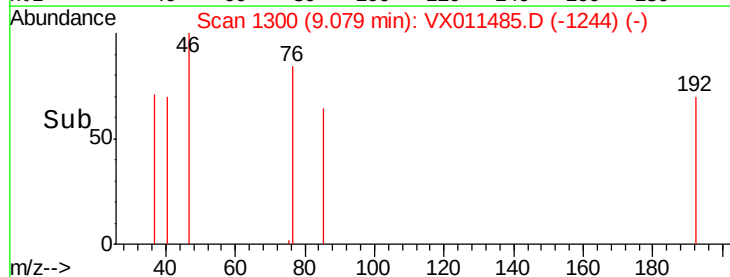
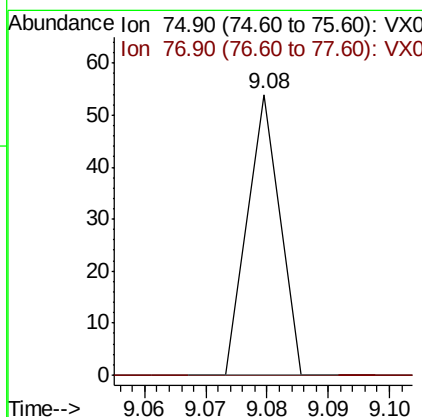
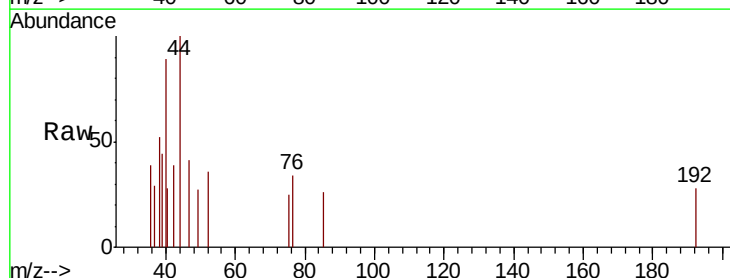
Instrument :
MSVOA_X
ClientSampleId :
Z3-0708

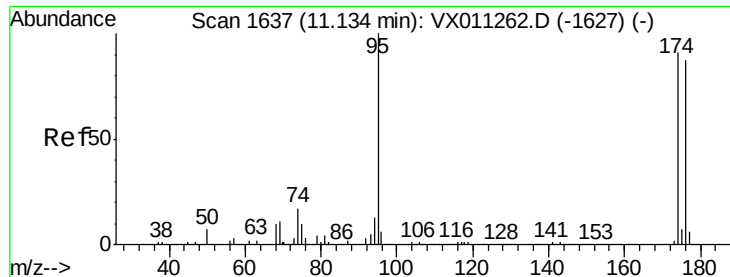
Tgt Ion: 98 Resp: 322248
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 2.846 ug/l
RT: 9.08 min Scan# 1300
Delta R.T. 0.04 min
Lab File: VX011485.D
Acq: 12 Aug 2019 15:52

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#





#62

4-Bromofluorobenzene

Concen: 43.823 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011485.D

Acq: 12 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampled :

Z3-0708

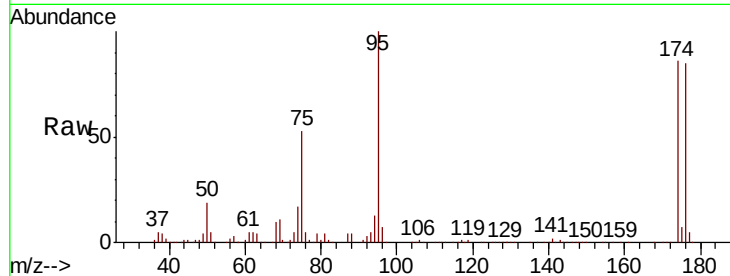
Tgt Ion: 95 Resp: 105254

Ion Ratio Lower Upper

95 100

174 89.1 0.0 191.2

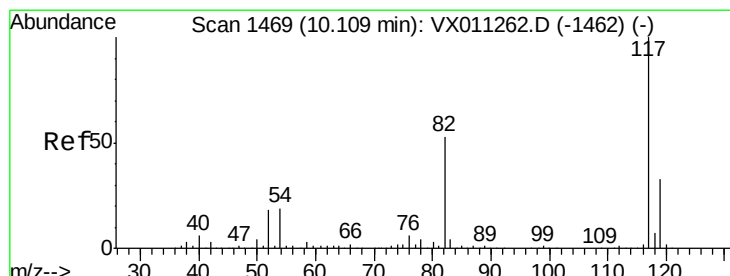
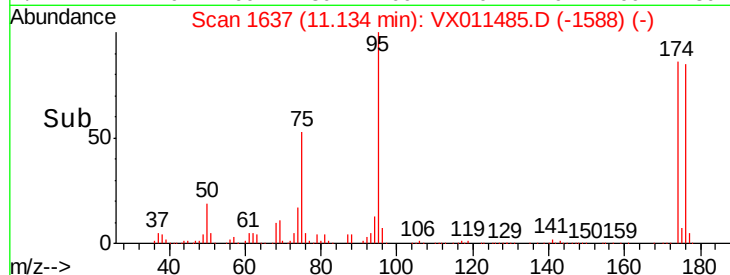
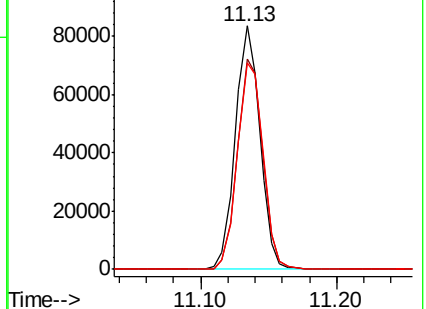
176 88.9 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX011485.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011485.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011485.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011485.D

Acq: 12 Aug 2019 15:52

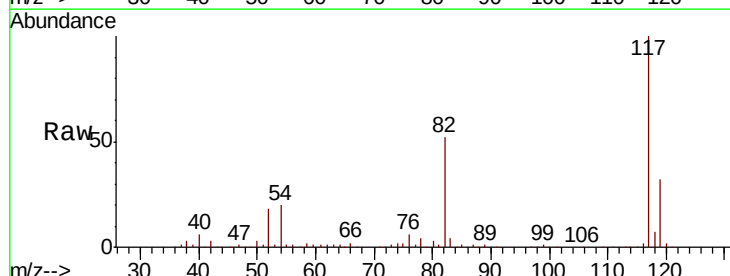
Tgt Ion: 117 Resp: 245282

Ion Ratio Lower Upper

117 100

82 52.2 42.2 63.2

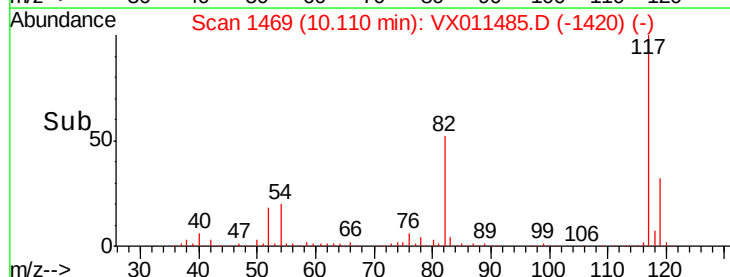
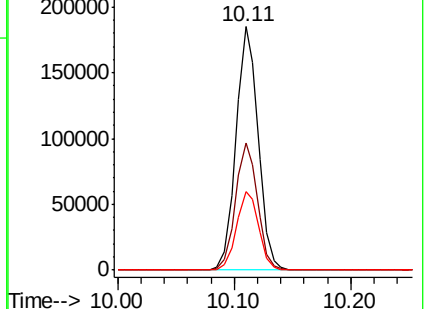
119 32.3 26.6 39.8

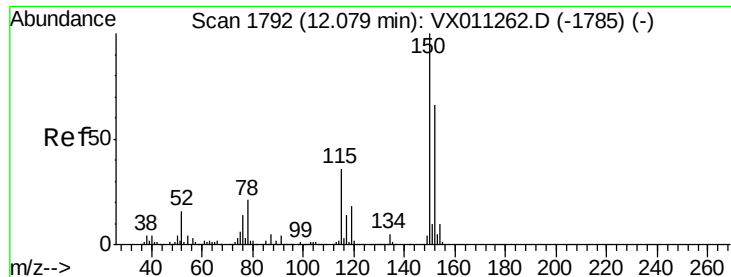


Abundance Ion 116.90 (116.60 to 117.60): VX011485.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011485.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011485.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011485.D

Acq: 12 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

Z3-0708

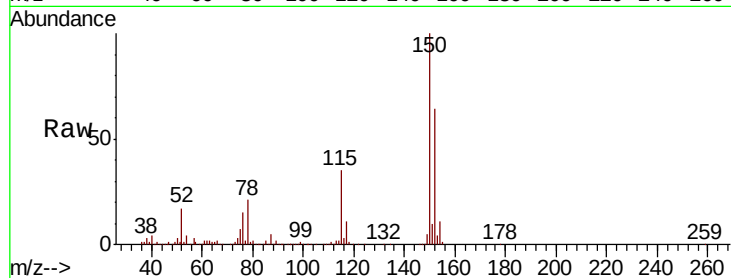
Tgt Ion:152 Resp: 110297

Ion Ratio Lower Upper

152 100

115 56.6 40.0 119.9

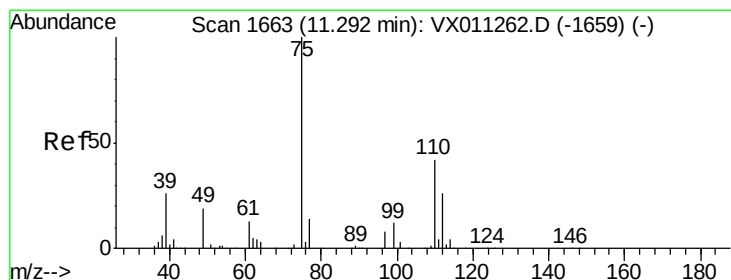
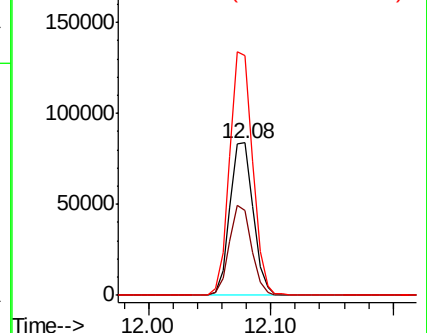
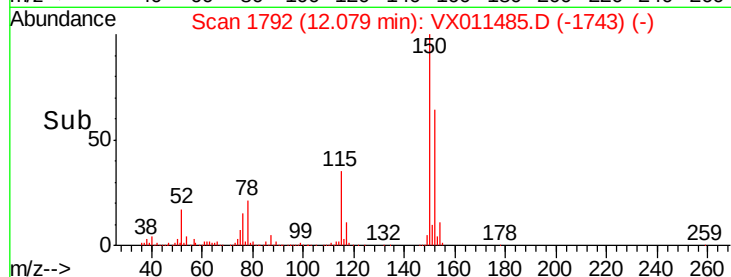
150 157.7 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.989 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011485.D

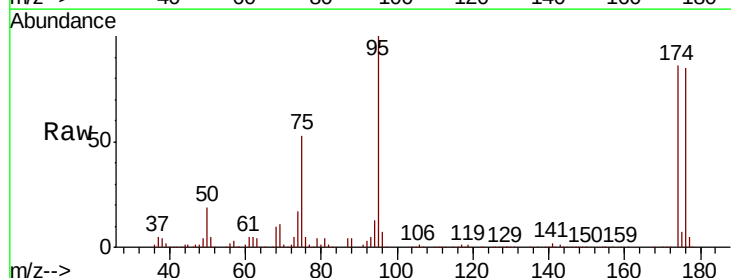
Acq: 12 Aug 2019 15:52

Tgt Ion: 75 Resp: 54211

Ion Ratio Lower Upper

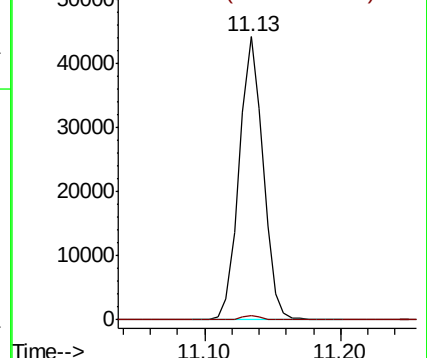
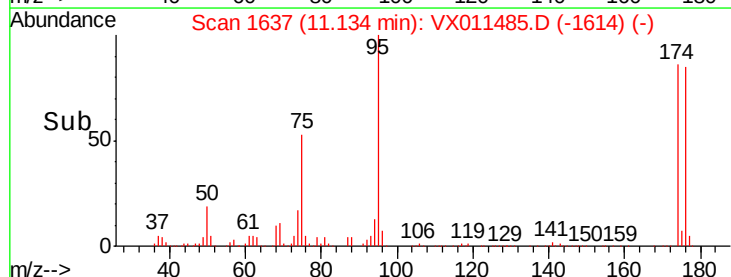
75 100

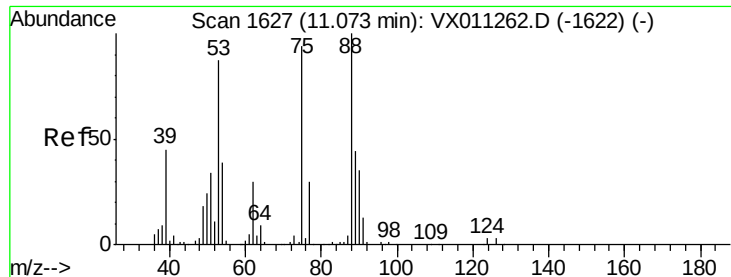
77 1.4 21.1 63.4#



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: 70.069 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011485.D

Acq: 12 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

Z3-0708

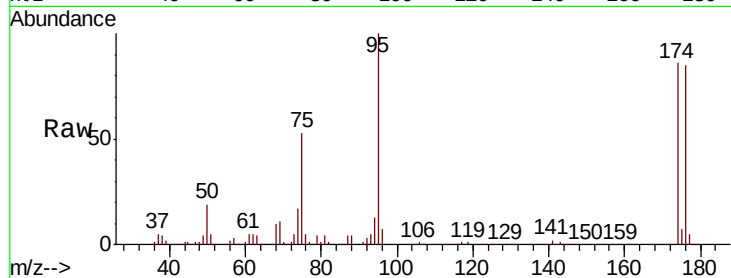
Tgt Ion: 75 Resp: 54211

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.0 37.9 56.9#



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

