

Data File : VX013903.D
Acq On : 10 Dec 2019 17:10
Operator : JC/SP
Sample : K6185-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20191204

Quant Time: Dec 11 02:27:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	564779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	861003	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	774659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	332198	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	313056	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	5.49	113	259231	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	8.71	98	1016254	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.14	95	333610	44.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.22%	

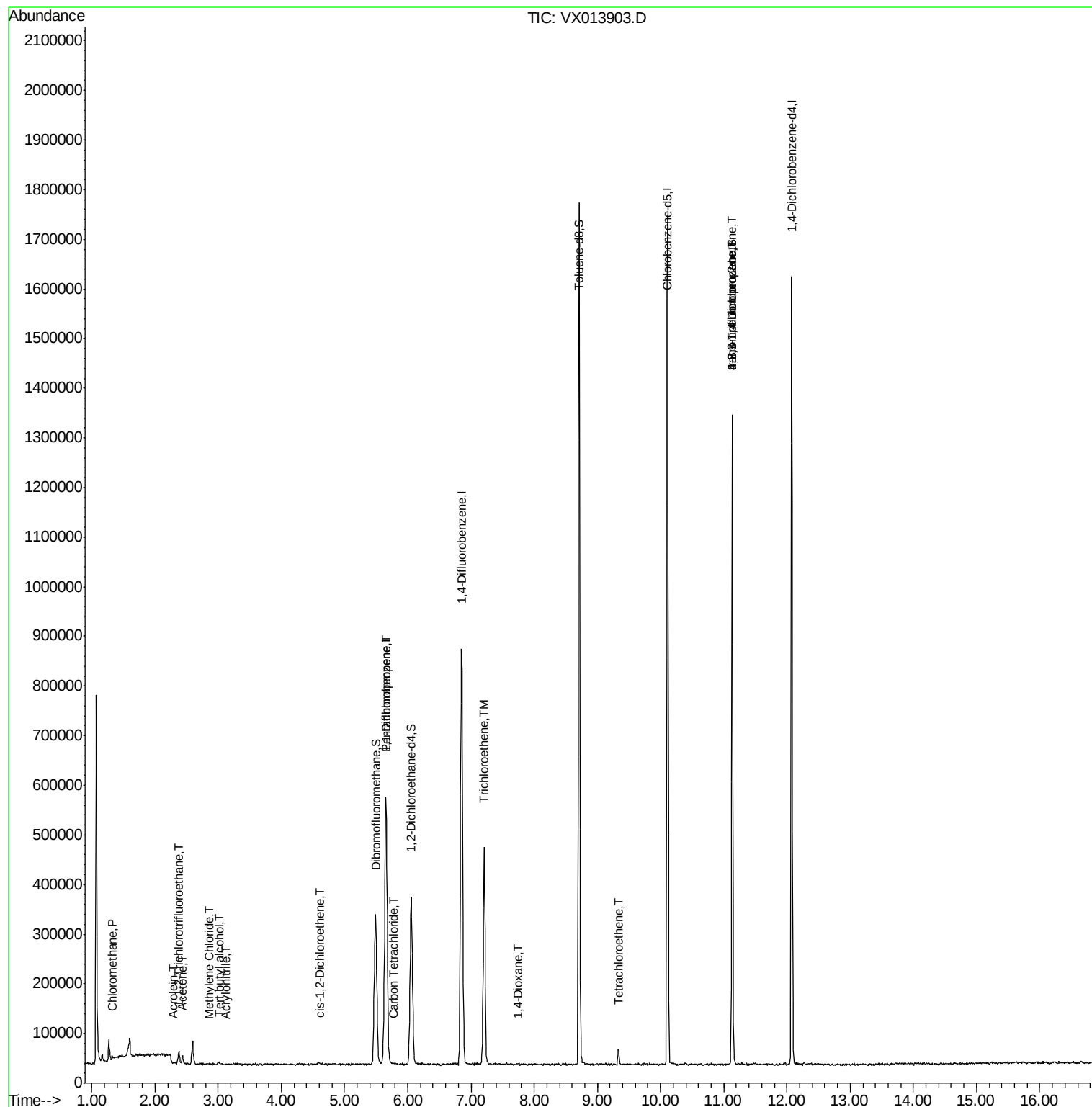
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	3165	0.449	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	10548	1.959	ug/l	98
11) Tert butyl alcohol	3.01	59	2255	1.394	ug/l #	75
13) Acrolein	2.28	56	264	6.242	ug/l #	15
15) Acrylonitrile	3.13	53	995	0.298	ug/l #	46
16) Acetone	2.44	43	15536	4.800	ug/l	90
20) Methylene Chloride	2.85	84	1848	0.297	ug/l #	79
27) cis-1,2-Dichloroethene	4.59	96	1560	0.232	ug/l	53
36) 1,1-Dichloropropene	5.65	75	37563	4.806	ug/l #	51
38) Carbon Tetrachloride	5.77	117	1684	0.234	ug/l #	65
44) Trichloroethene	7.21	130	173692	26.587	ug/l	100
49) 1,4-Dioxane	7.74	88	2092	13.326	ug/l #	74
64) Tetrachloroethene	9.33	164	7133	1.235	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	167881	22.469	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	167881	61.471	ug/l #	11

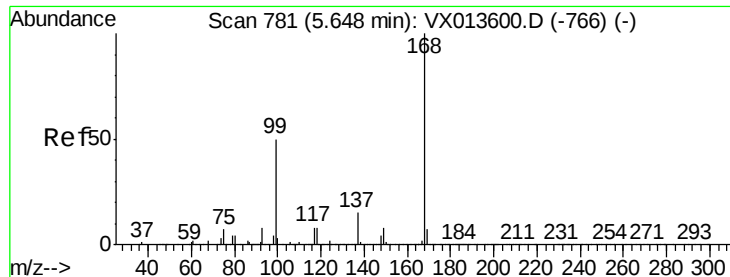
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013903.D

Acq: 10 Dec 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

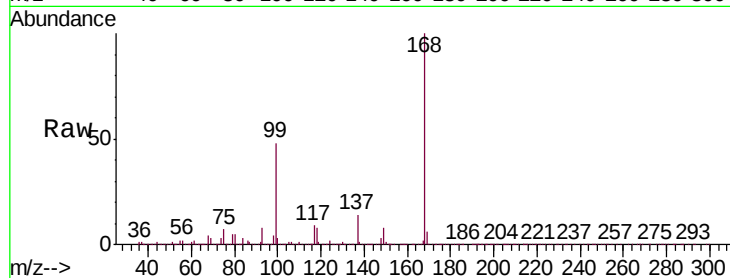
DUP02-20191204

Tgt Ion:168 Resp: 564779

Ion Ratio Lower Upper

168 100

99 48.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

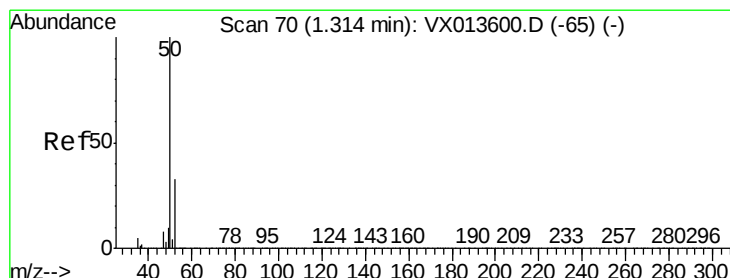
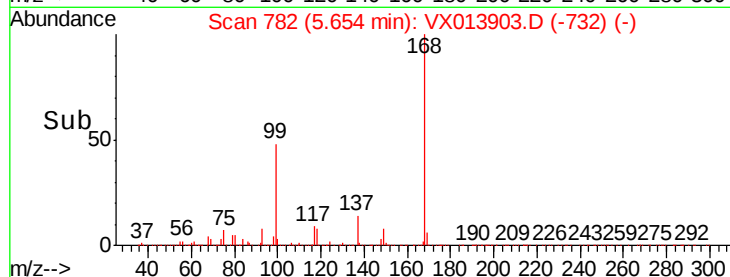
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.449 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013903.D

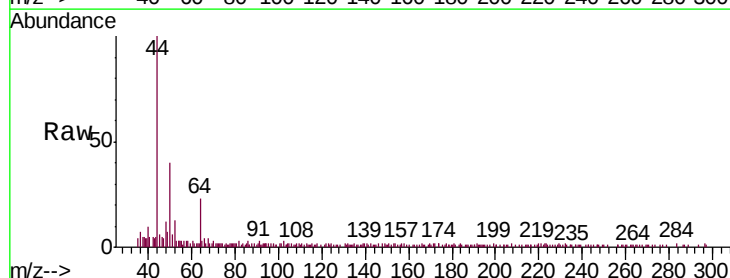
Acq: 10 Dec 2019 17:10

Tgt Ion: 50 Resp: 3165

Ion Ratio Lower Upper

50 100

52 26.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

4000

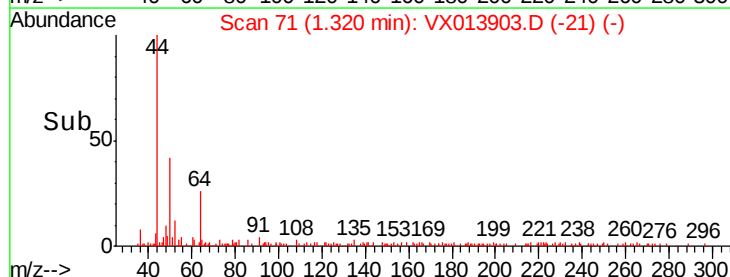
3000

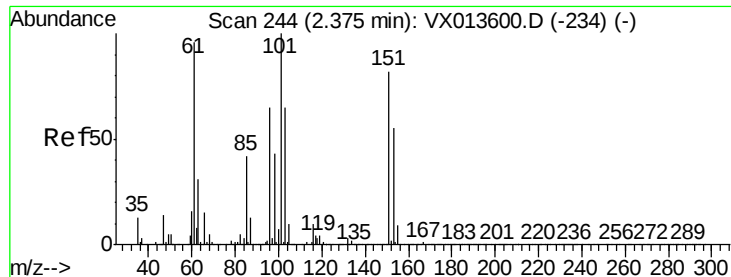
2000

1000

0

Time--> 1.25 1.30 1.35





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.959 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX013903.D

Acq: 10 Dec 2019 17:10

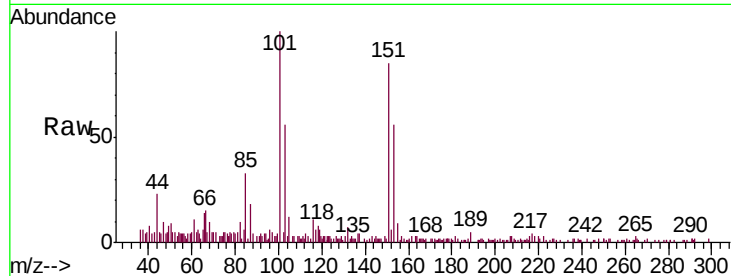
Instrument :

MSVOA_X

ClientSampleId :

DUP02-20191204

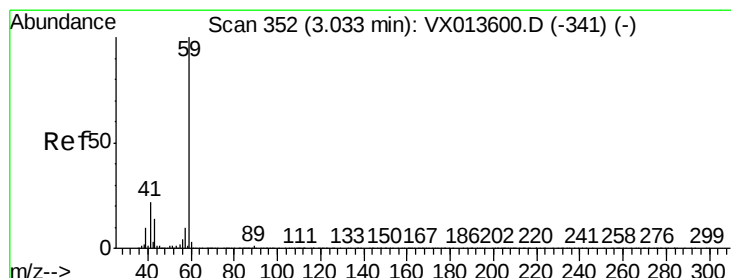
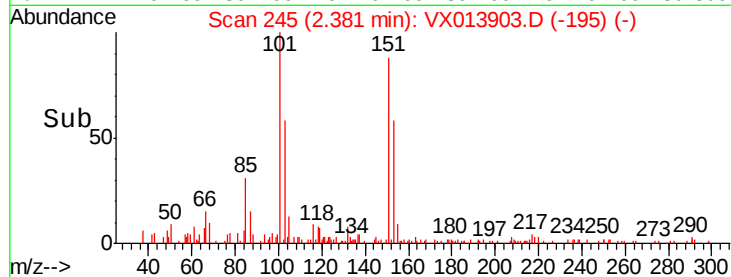
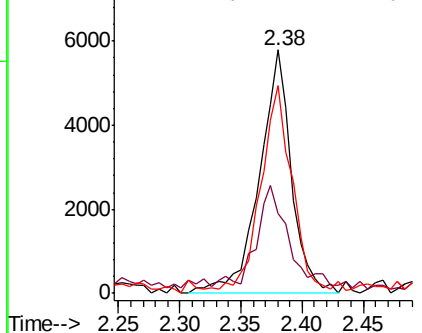
Tgt Ion:	101	Resp:	10548
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.9	50.9
151	82.5	64.2	96.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 1.394 ug/l

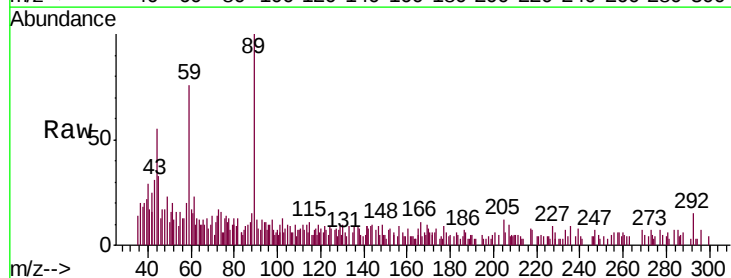
RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013903.D

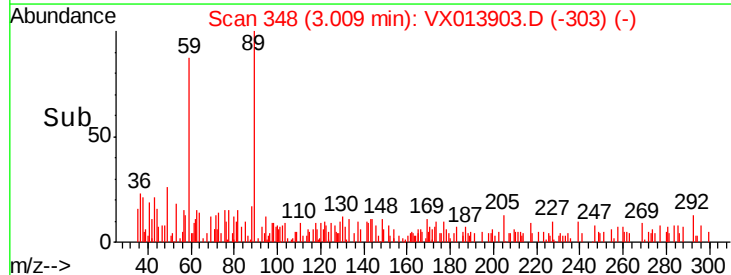
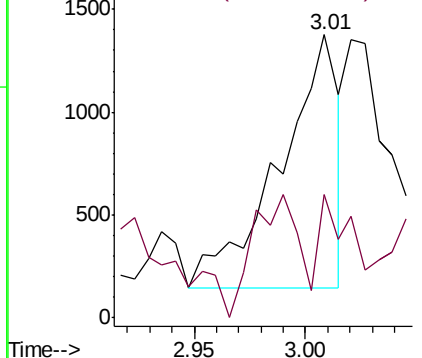
Acq: 10 Dec 2019 17:10

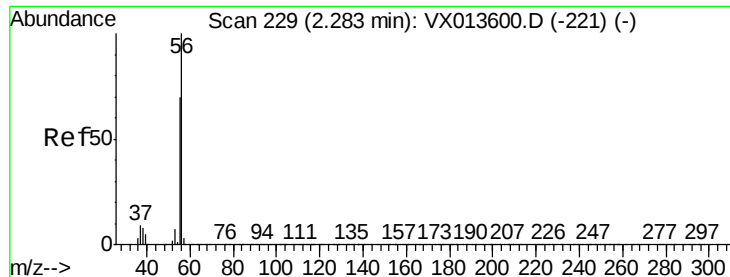
Tgt Ion:	59	Resp:	2255
Ion Ratio	Lower	Upper	
59	100		
57	18.9	7.8	11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 6.242 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013903.D

Acq: 10 Dec 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

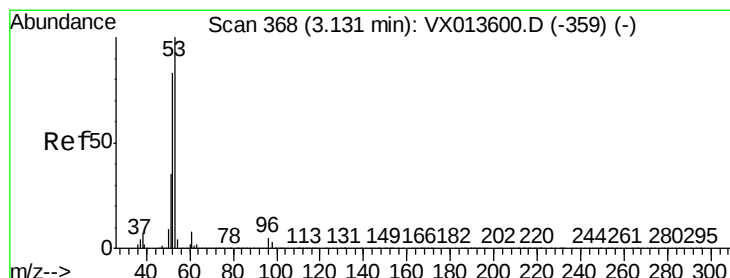
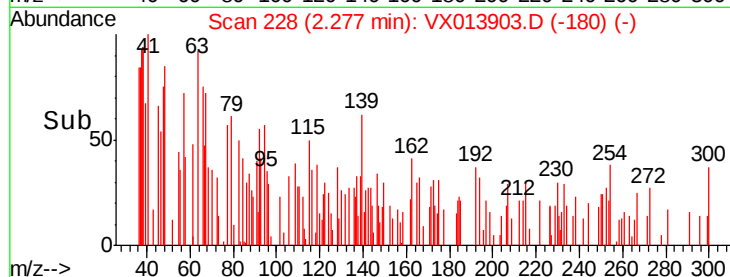
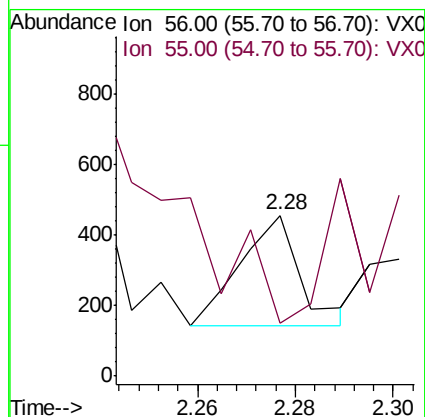
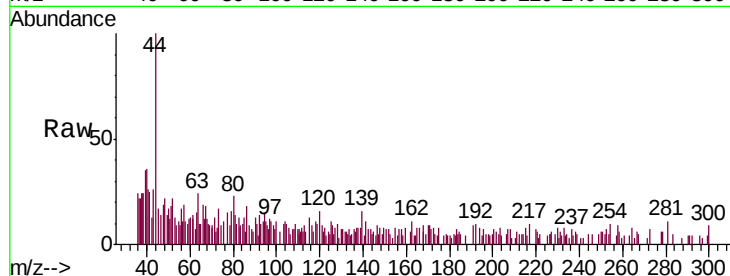
DUP02-20191204

Tgt Ion: 56 Resp: 264

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#15

Acrylonitrile

Concen: 0.298 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013903.D

Acq: 10 Dec 2019 17:10

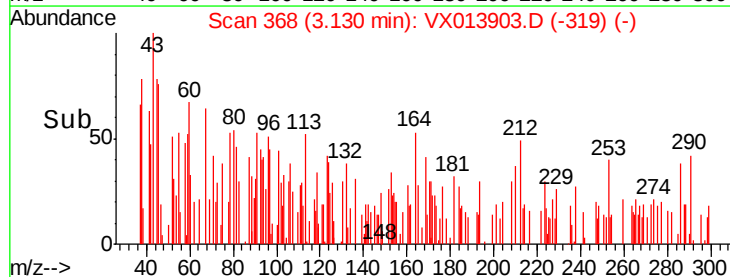
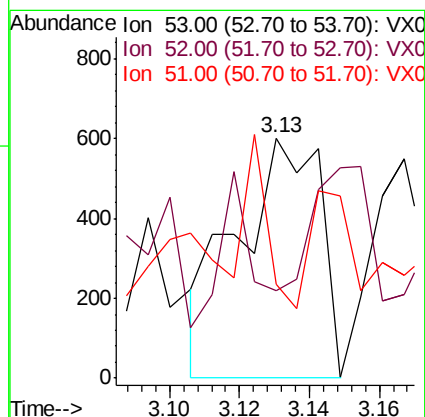
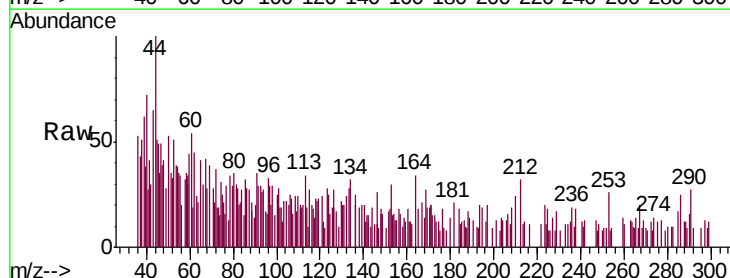
Tgt Ion: 53 Resp: 995

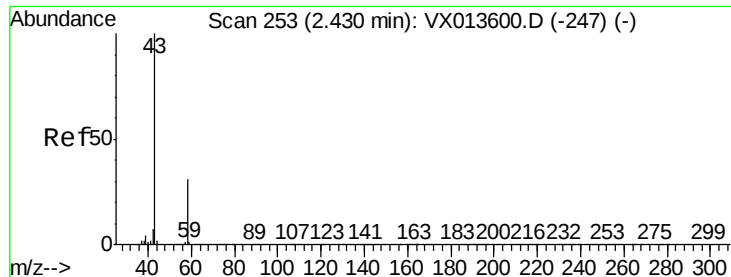
Ion Ratio Lower Upper

53 100

52 25.3 66.2 99.2#

51 18.3 29.0 43.6#





#16

Acetone

Concen: 4.800 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013903.D

Acq: 10 Dec 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

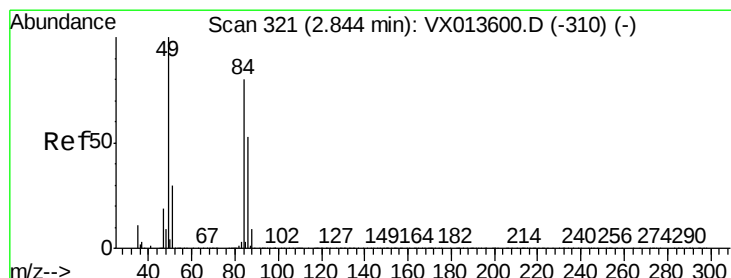
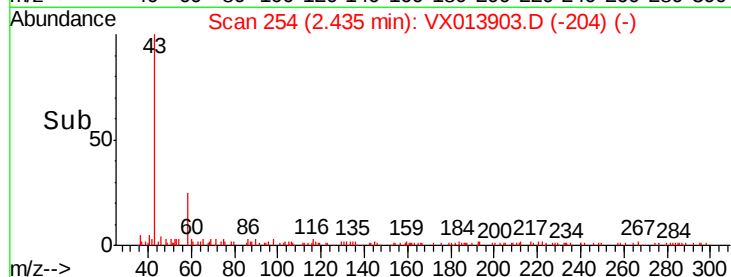
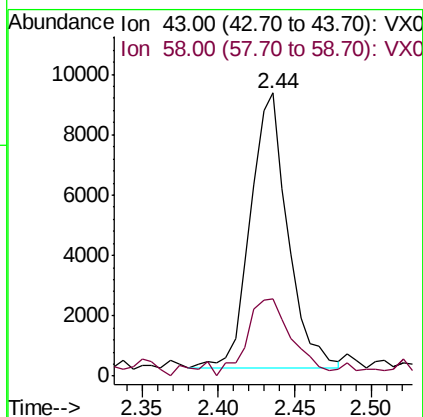
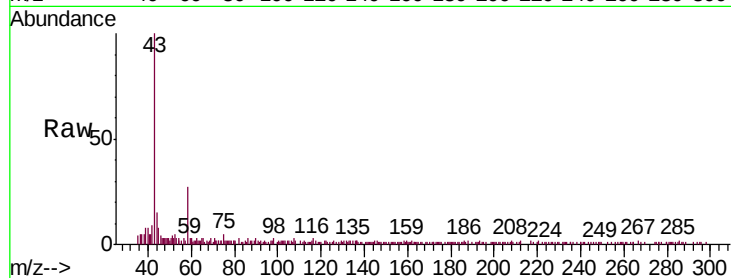
DUP02-20191204

Tgt Ion: 43 Resp: 15536

Ion Ratio Lower Upper

43 100

58 25.1 24.6 36.8



#20

Methylene Chloride

Concen: 0.297 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013903.D

Acq: 10 Dec 2019 17:10

Tgt Ion: 84 Resp: 1848

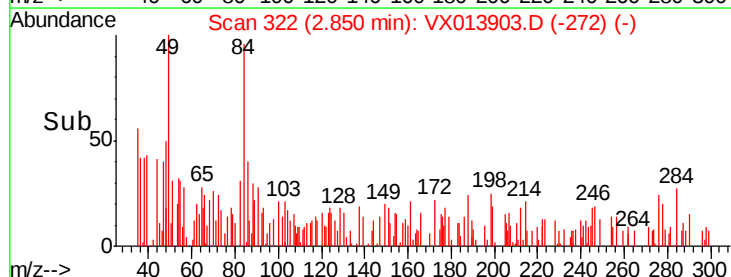
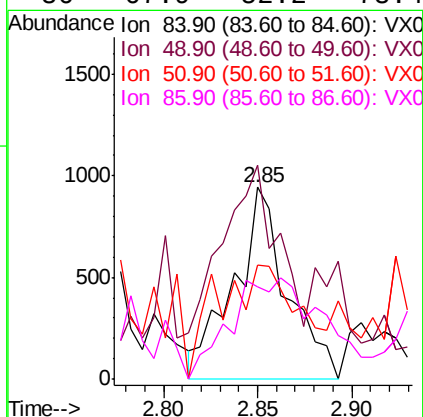
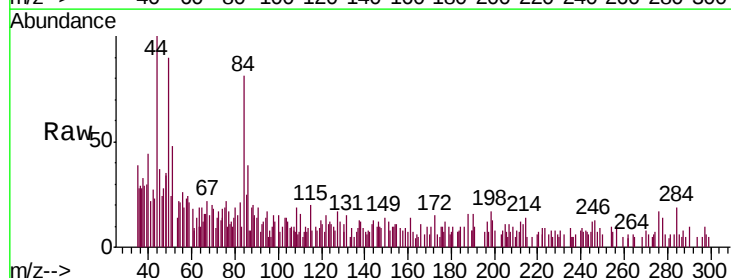
Ion Ratio Lower Upper

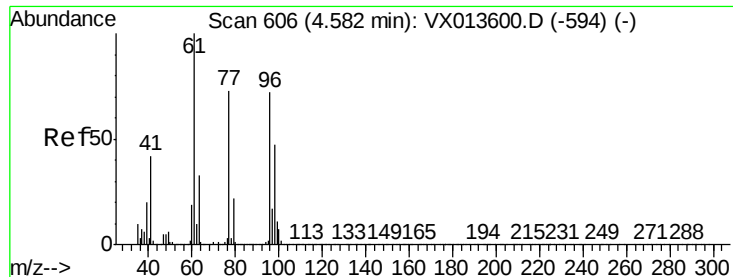
84 100

49 101.9 99.7 149.5

51 69.5 29.9 44.9#

86 67.9 52.2 78.4

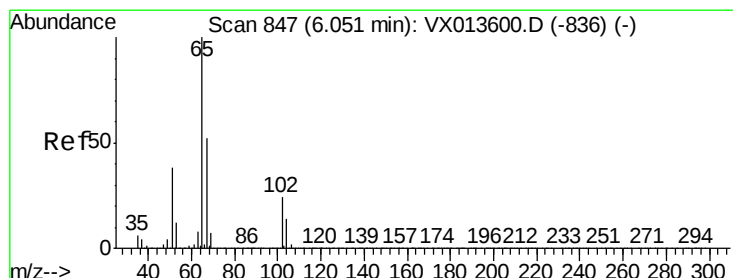
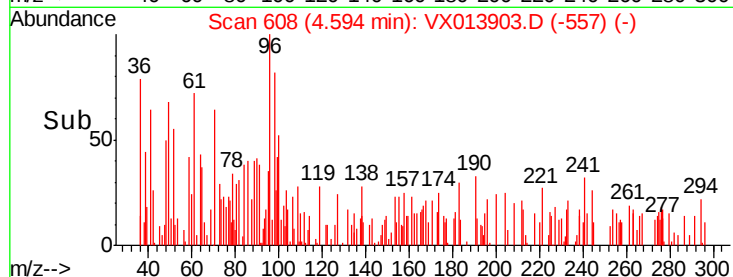
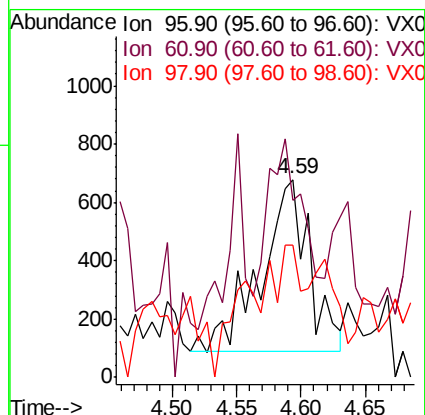
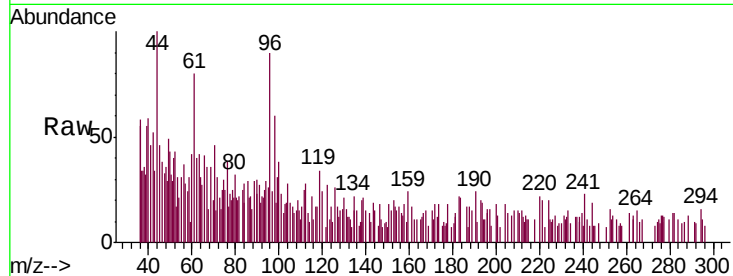




#27
 cis-1,2-Dichloroethene
 Concen: 0.232 ug/l
 RT: 4.59 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX013903.D
 Acq: 10 Dec 2019 17:10

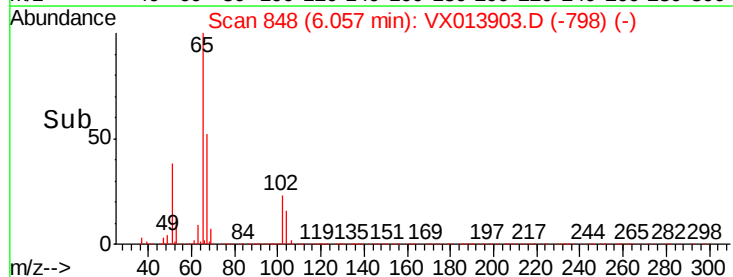
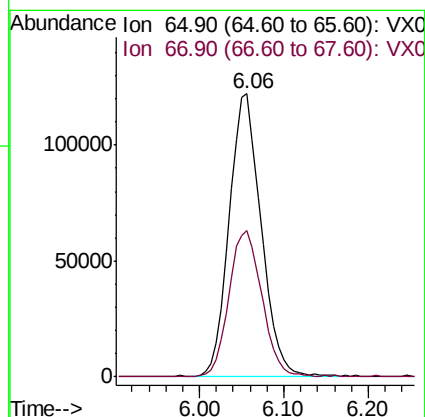
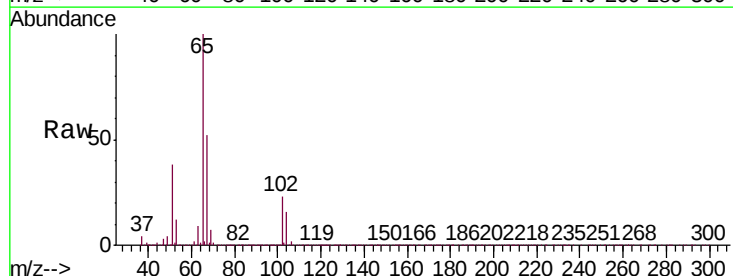
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20191204

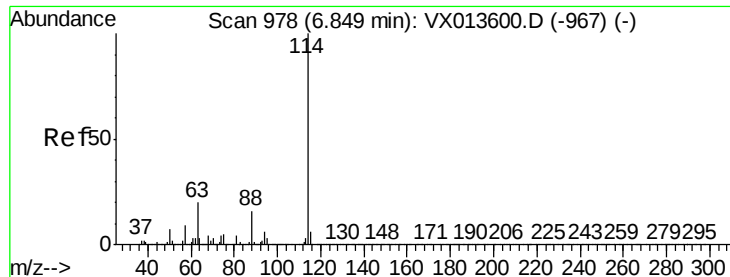
Tgt Ion: 96 Resp: 1560
 Ion Ratio Lower Upper
 96 100
 61 79.6 0.0 286.4
 98 34.3 0.0 127.4



#33
 1,2-Dichloroethane-d4
 Concen: 47.753 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013903.D
 Acq: 10 Dec 2019 17:10

Tgt Ion: 65 Resp: 313056
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013903.D

Acq: 10 Dec 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20191204

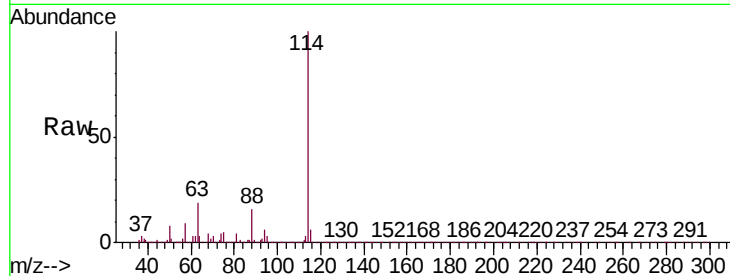
Tgt Ion:114 Resp: 861003

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.7 0.0 31.4



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

500000

400000

300000

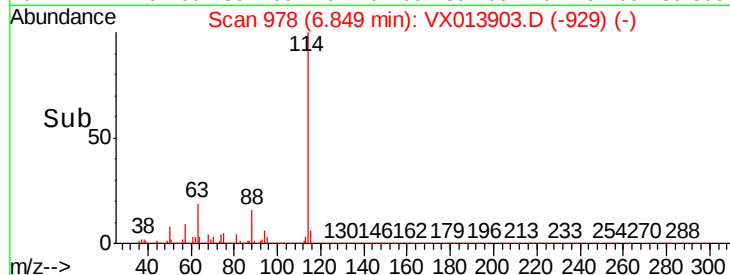
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100000

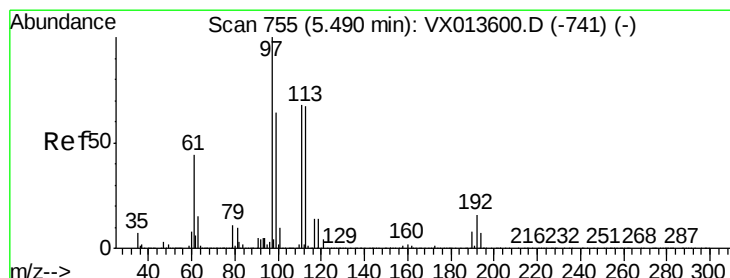
0

6.85

6.70 6.80 6.90 7.00



Time-->



#35

Dibromofluoromethane

Concen: 48.702 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013903.D

Acq: 10 Dec 2019 17:10

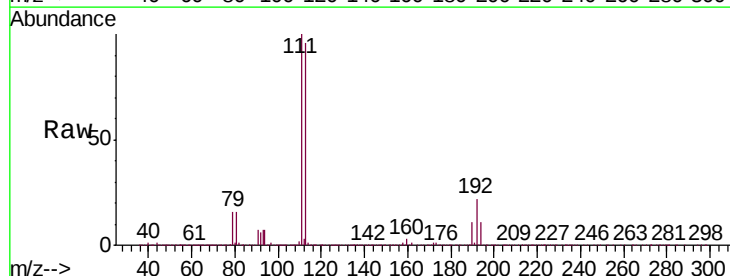
Tgt Ion:113 Resp: 259231

Ion Ratio Lower Upper

113 100

111 102.6 83.6 125.4

192 23.4 19.2 28.8



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

120000

100000

80000

60000

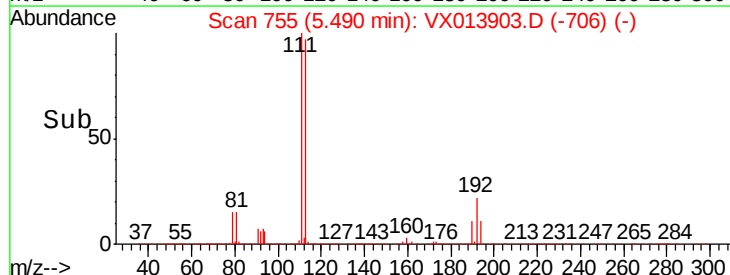
40000

20000

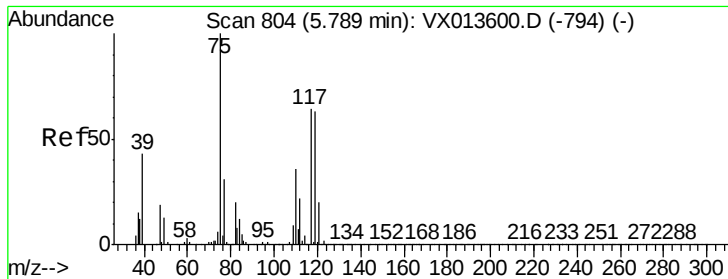
0

5.49

5.40 5.50 5.60



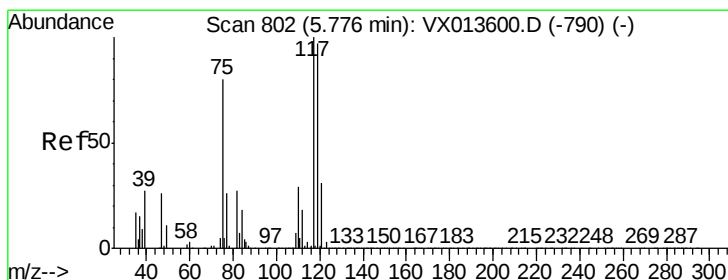
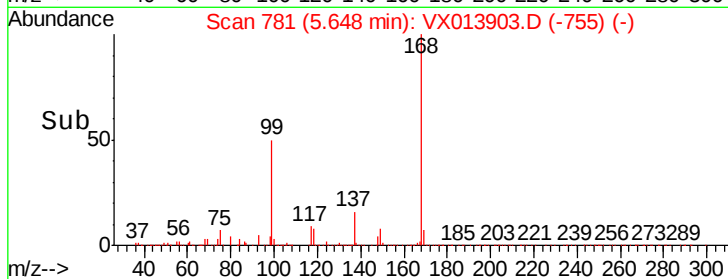
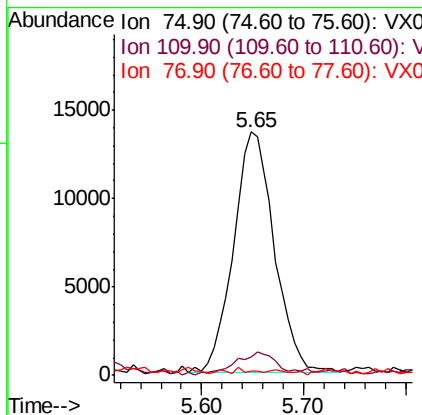
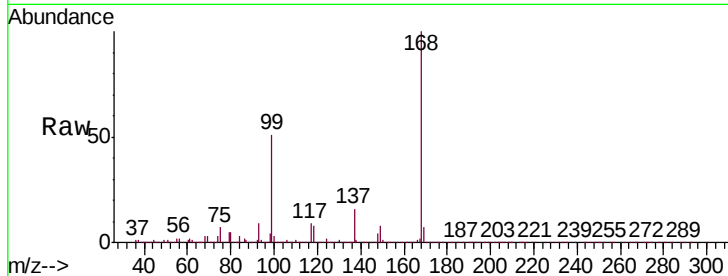
Time-->



#36
 1,1-Dichloropropene
 Concen: 4.806 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013903.D
 Acq: 10 Dec 2019 17:10

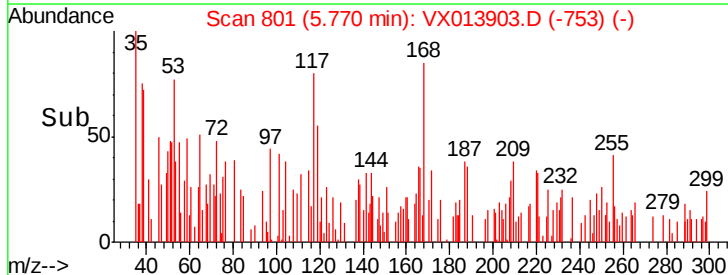
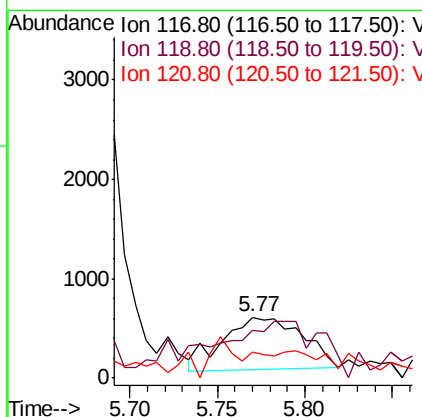
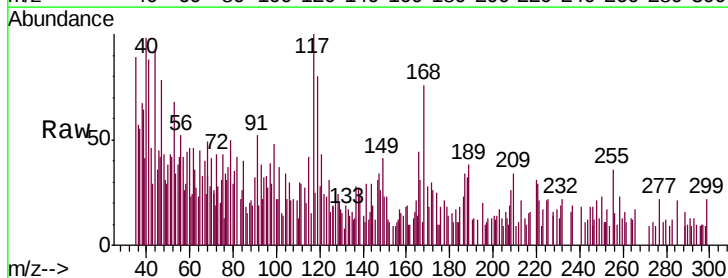
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20191204

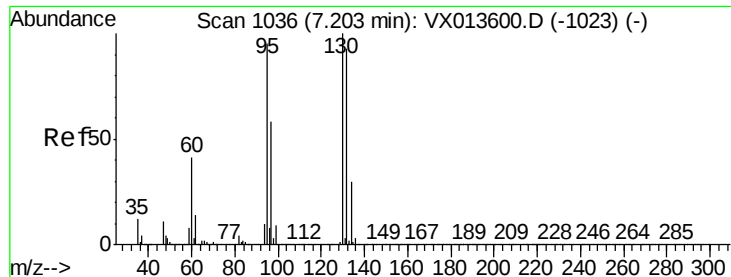
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.1#
77	0.9	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 0.234 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VX013903.D
 Acq: 10 Dec 2019 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	52.5	77.5	116.3#
121	33.1	25.0	37.6





#44

Trichloroethene

Concen: 26.587 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013903.D

Acq: 10 Dec 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

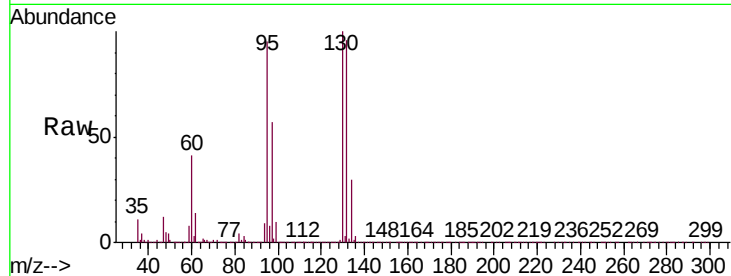
DUP02-20191204

Tgt Ion:130 Resp: 173692

Ion Ratio Lower Upper

130 100

95 95.1 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

80000

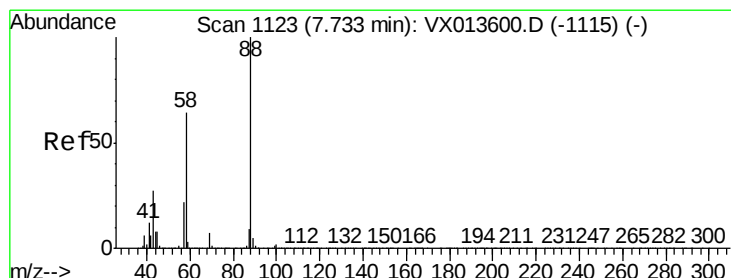
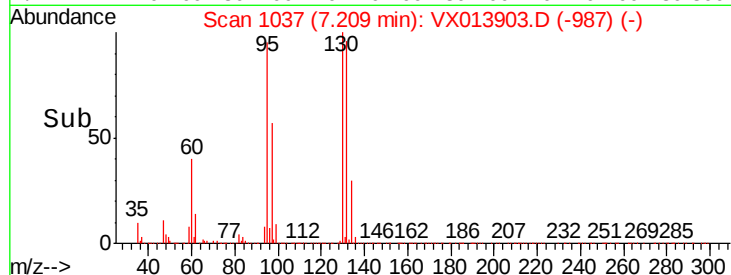
60000

40000

20000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: 13.326 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013903.D

Acq: 10 Dec 2019 17:10

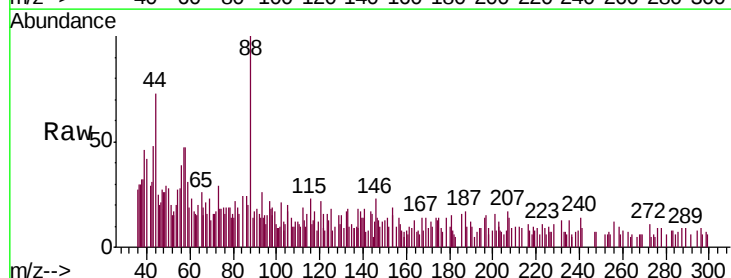
Tgt Ion: 88 Resp: 2092

Ion Ratio Lower Upper

88 100

43 35.2 25.8 38.6

58 96.9 54.6 82.0#



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

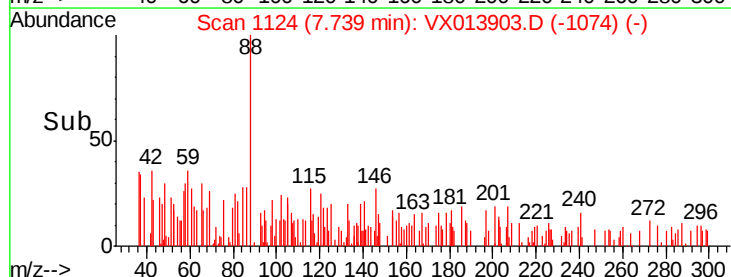
7.74

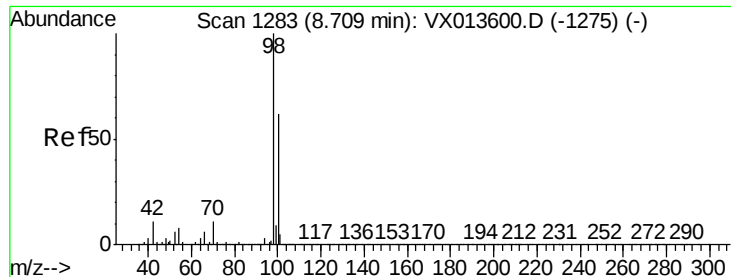
1000

500

0

Time--> 7.70 7.75 7.80





#50

Toluene-d8

Concen: 49.004 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013903.D

Acq: 10 Dec 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

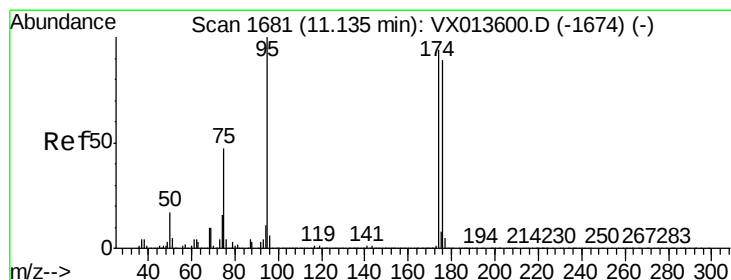
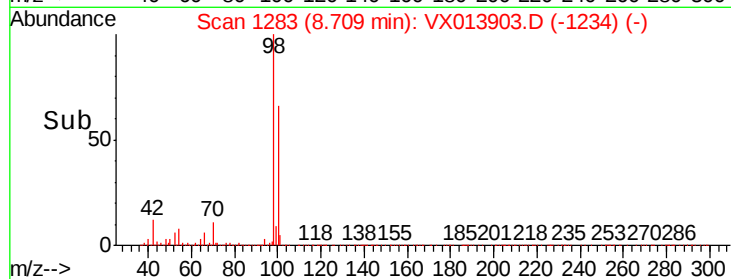
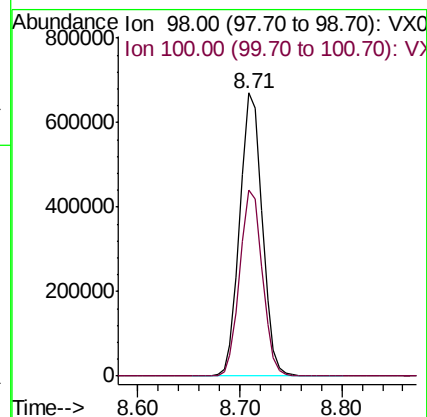
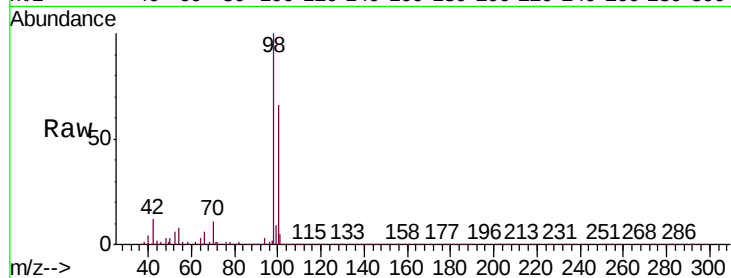
DUP02-20191204

Tgt Ion: 98 Resp: 1016254

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 44.610 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013903.D

Acq: 10 Dec 2019 17:10

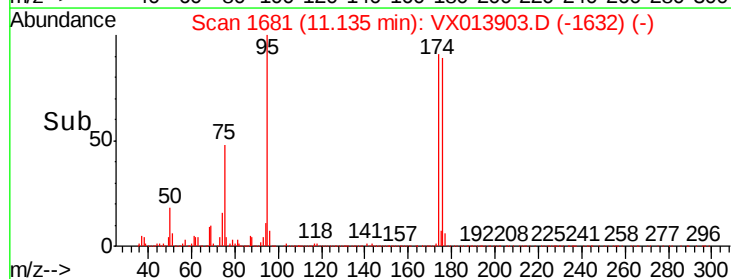
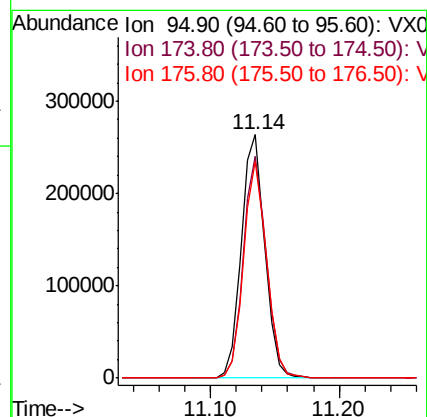
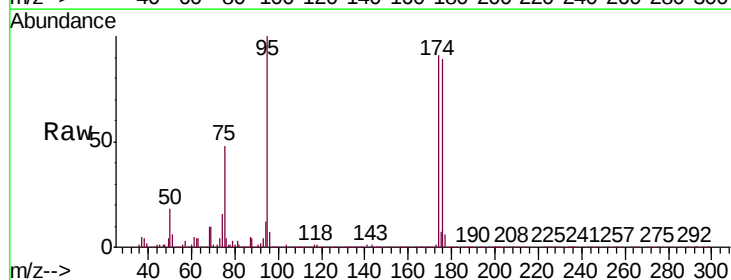
Tgt Ion: 95 Resp: 333610

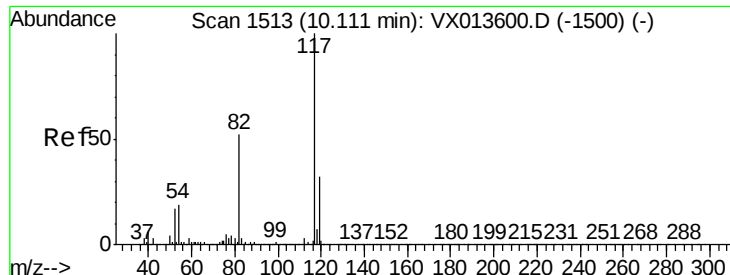
Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.0

176 87.1 0.0 173.6

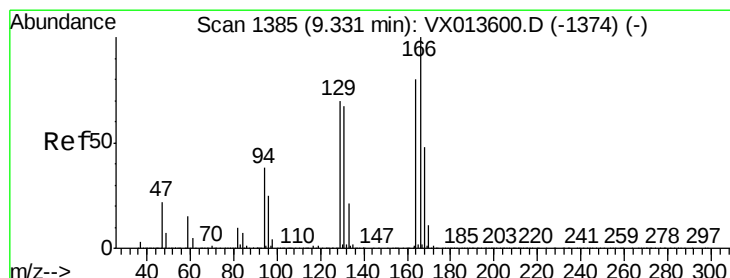
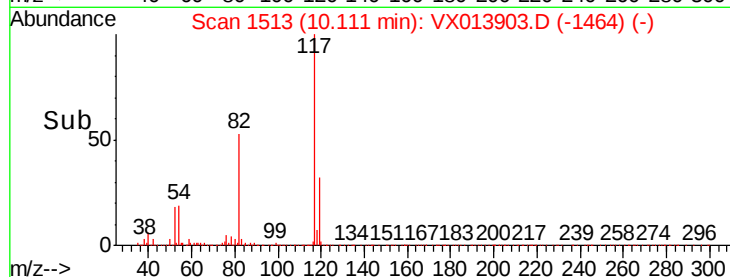
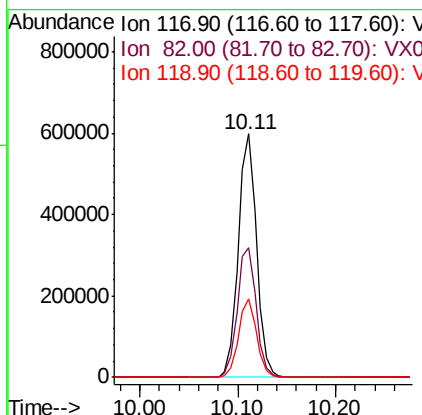
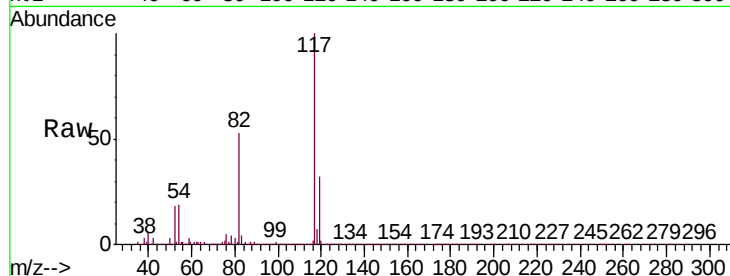




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013903.D
Acq: 10 Dec 2019 17:10

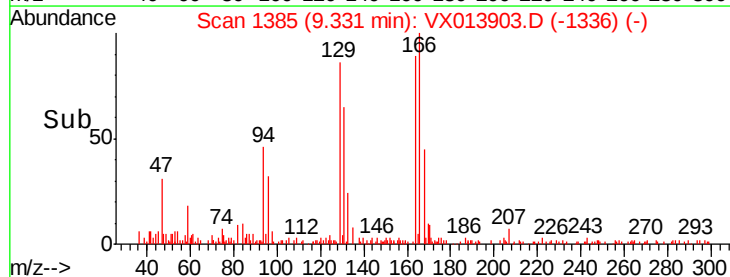
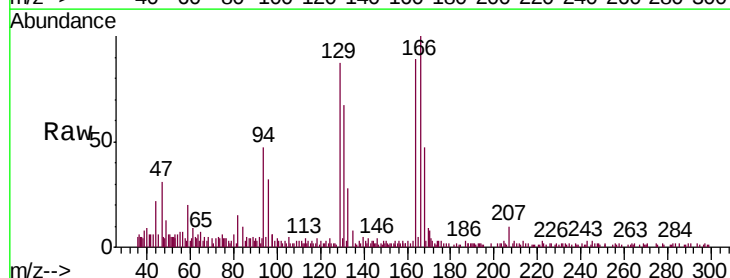
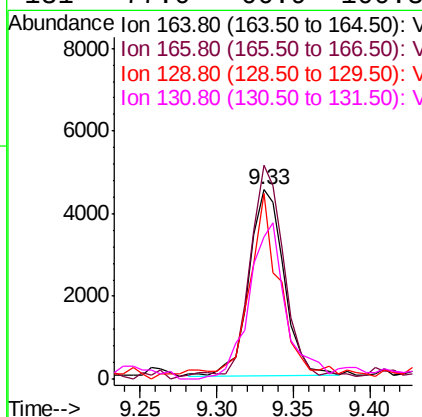
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20191204

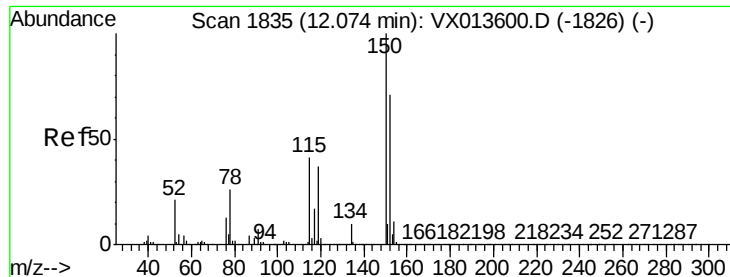
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	41.8	62.8
119	32.1	25.8	38.8



#64
Tetrachloroethene
Concen: 1.235 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013903.D
Acq: 10 Dec 2019 17:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.4	99.7	149.5
129	97.4	70.1	105.1
131	77.0	66.9	100.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013903.D

Acq: 10 Dec 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20191204

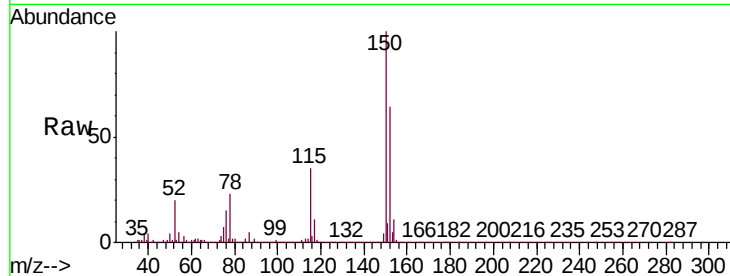
Tgt Ion: 152 Resp: 332198

Ion Ratio Lower Upper

152 100

115 55.5 38.4 115.1

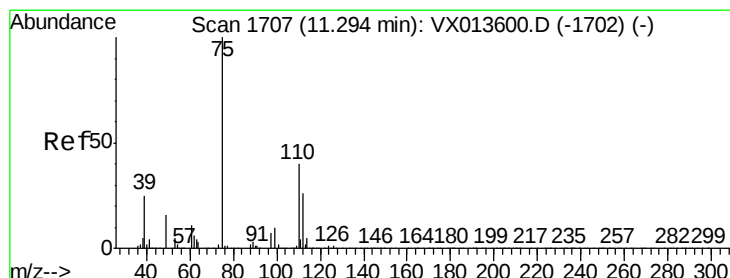
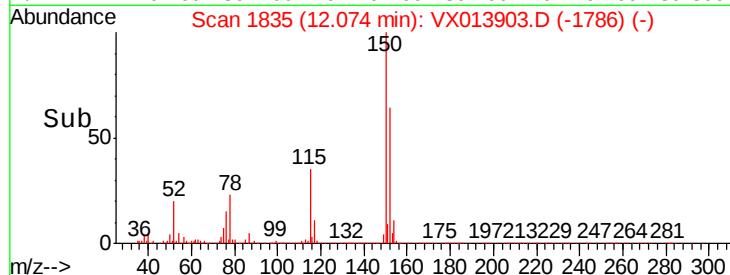
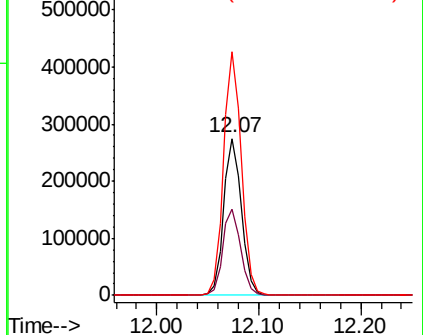
150 156.6 0.0 346.8



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: 22.469 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013903.D

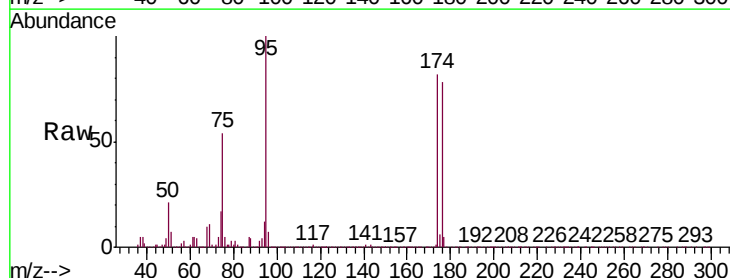
Acq: 10 Dec 2019 17:10

Tgt Ion: 75 Resp: 167881

Ion Ratio Lower Upper

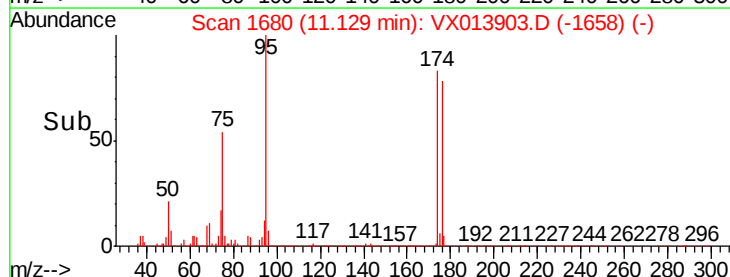
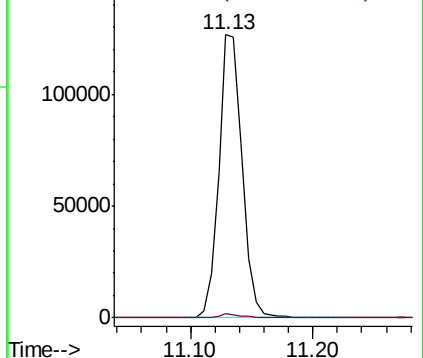
75 100

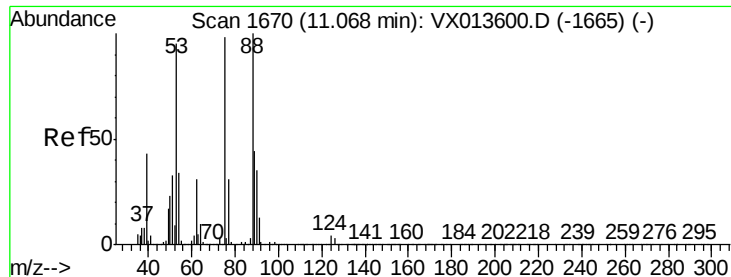
77 1.8 19.1 57.5#



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: 61.471 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013903.D
 Acq: 10 Dec 2019 17:10

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20191204

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	78.2	117.2#
89	0.0	35.4	53.2#

