

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022720\
 Data File : VX015046.D
 Acq On : 27 Feb 2020 14:29
 Operator : JC/SP
 Sample : L1683-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-01-20200225

Quant Time: Feb 27 15:50:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	421003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	666289	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	642644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	335092	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	238614	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
35) Dibromofluoromethane	5.49	113	204136	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
50) Toluene-d8	8.71	98	810654	51.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.13	95	300331	53.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.64%	

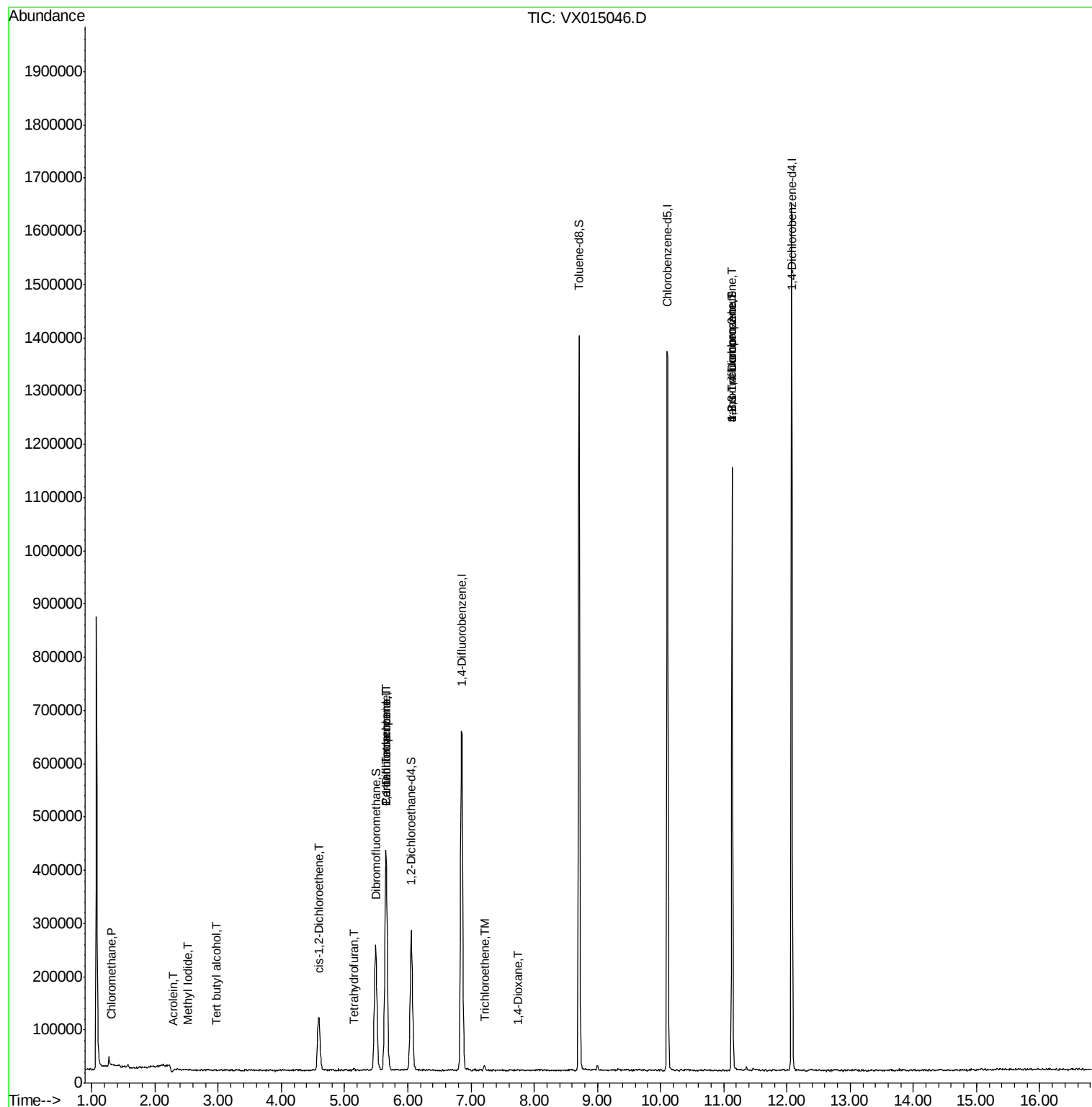
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1045	0.23	ug/l	96
10) Methyl Iodide	2.51	142	142	4.40	ug/l #	52
11) Tert butyl alcohol	2.98	59	485	0.58	ug/l #	86
13) Acrolein	2.28	56	305	0.48	ug/l	87
16) Acetone	2.44	43	2743	Below Cal	#	74
27) cis-1,2-Dichloroethene	4.59	96	68201	14.33	ug/l	90
29) Tetrahydrofuran	5.15	42	1474	0.80	ug/l	93
36) 1,1-Dichloropropene	5.65	75	28160	4.72	ug/l #	52
38) Carbon Tetrachloride	5.65	117	37515	6.46	ug/l #	17
44) Trichloroethene	7.21	130	4464	0.86	ug/l	76
49) 1,4-Dioxane	7.74	88	275	2.91	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	145256	23.97	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	145256	61.36	ug/l #	12

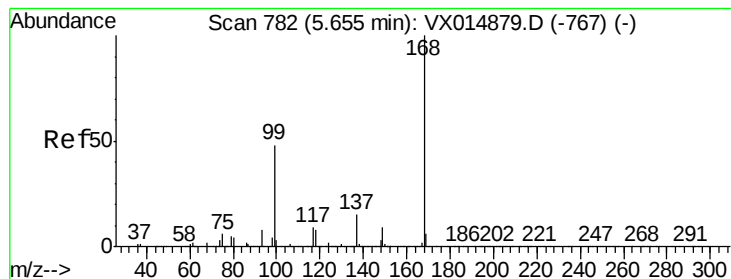
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX022720\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015046.D

Acq: 27 Feb 2020 14:29

Instrument :

MSVOA_X

ClientSampleId :

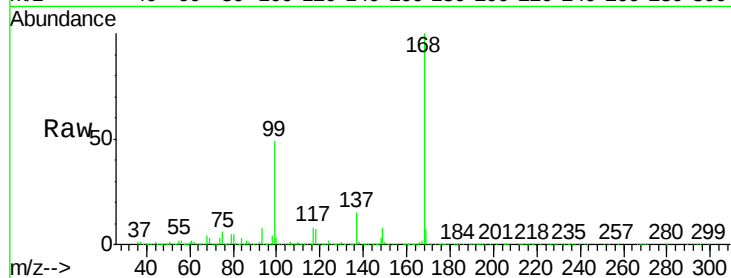
DUP-01-20200225

Tgt Ion:168 Resp: 421003

Ion Ratio Lower Upper

168 100

99 48.5 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

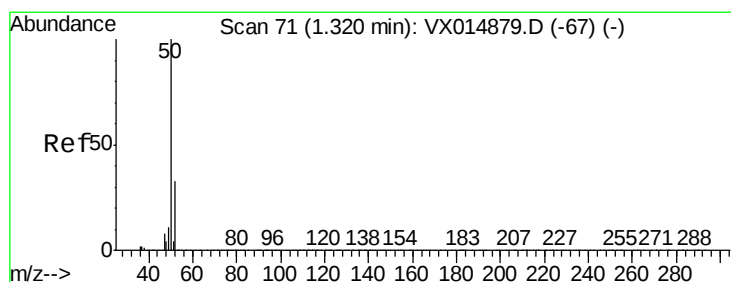
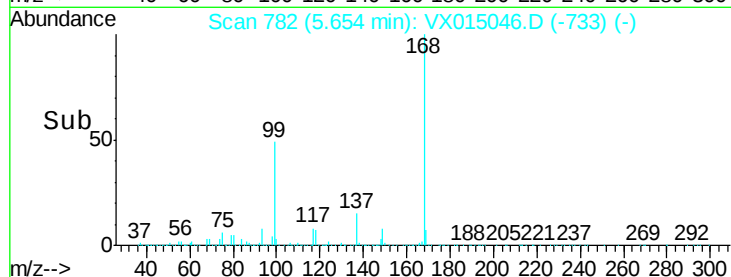
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015046.D

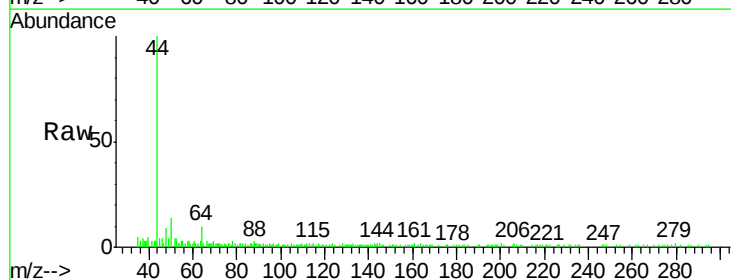
Acq: 27 Feb 2020 14:29

Tgt Ion: 50 Resp: 1045

Ion Ratio Lower Upper

50 100

52 30.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1200

1000

800

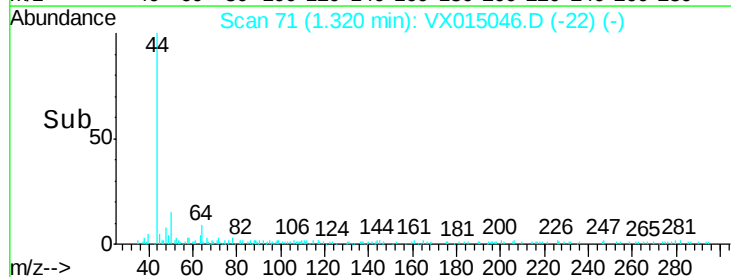
600

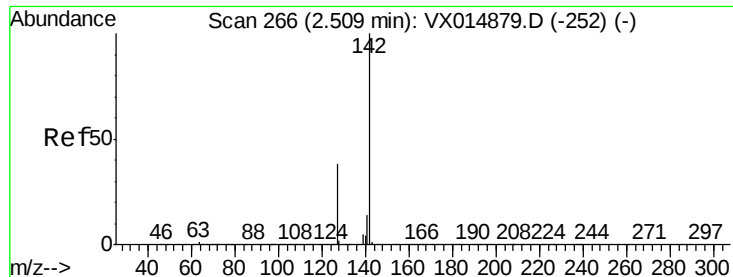
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200

0

Time-->

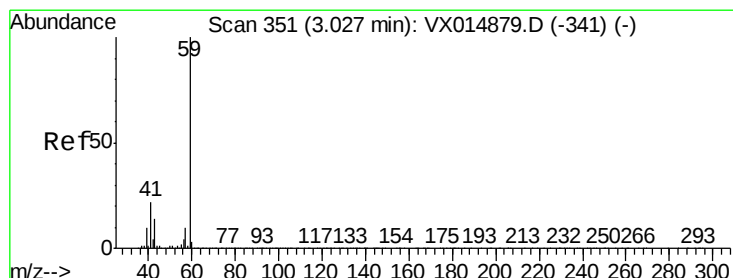
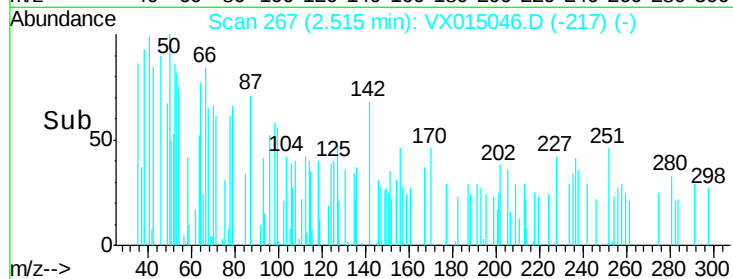
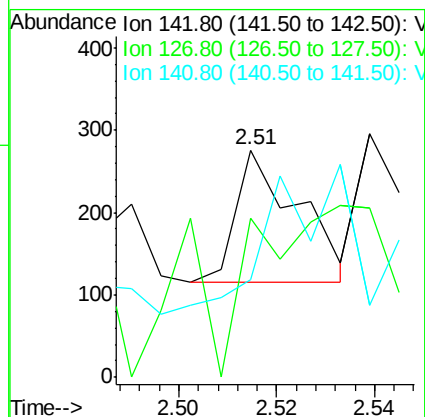
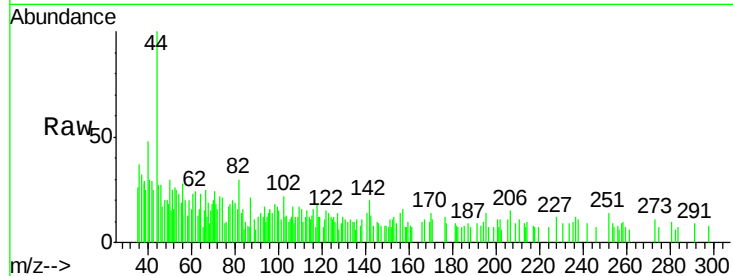




#10
Methyl Iodide
Concen: 4.40 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX015046.D
Acq: 27 Feb 2020 14:29

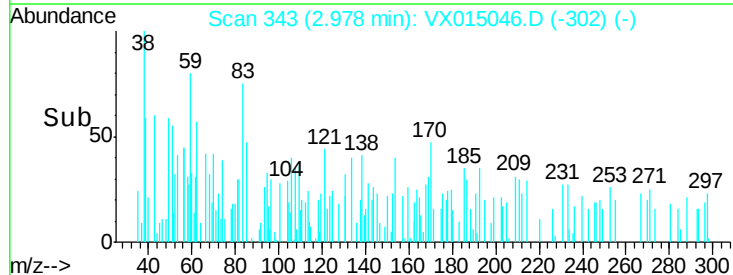
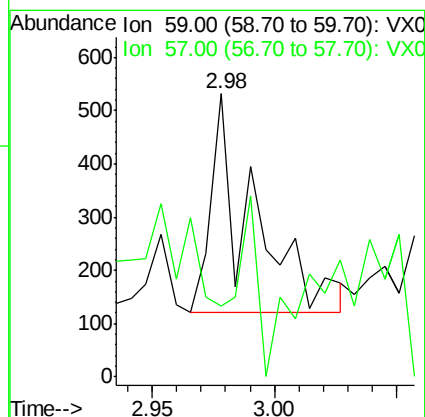
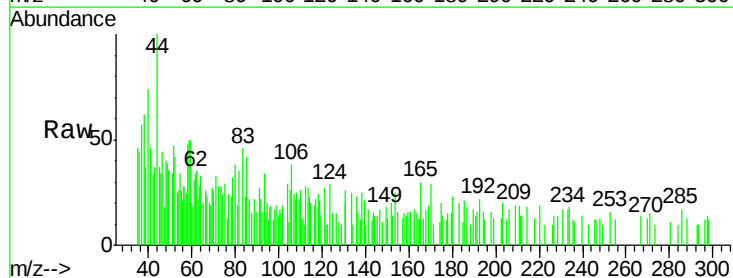
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-20200225

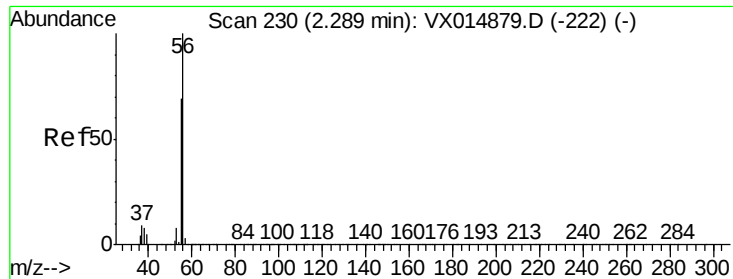
Tgt Ion: 142 Resp: 142
Ion Ratio Lower Upper
142 100
127 71.1 31.1 46.7#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.58 ug/l
RT: 2.98 min Scan# 343
Delta R.T. -0.05 min
Lab File: VX015046.D
Acq: 27 Feb 2020 14:29

Tgt Ion: 59 Resp: 485
Ion Ratio Lower Upper
59 100
57 15.5 8.2 12.4#





#13

Acrolein

Concen: 0.48 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX015046.D

Acq: 27 Feb 2020 14:29

Instrument :

MSVOA_X

ClientSampleId :

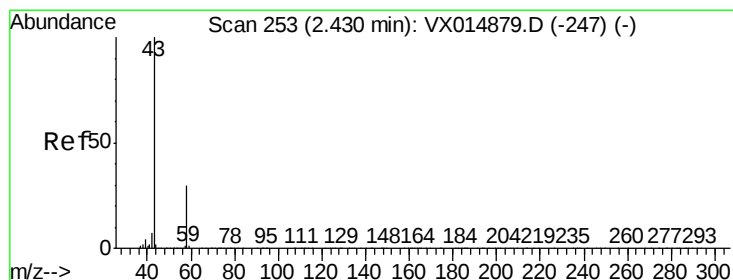
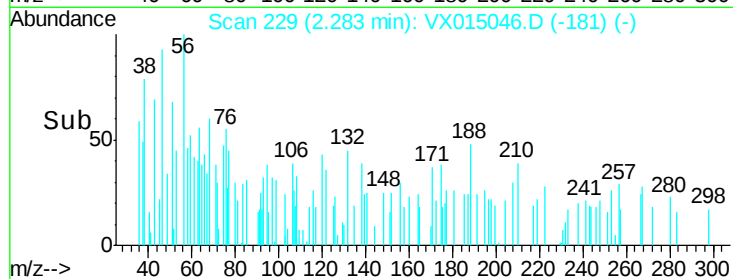
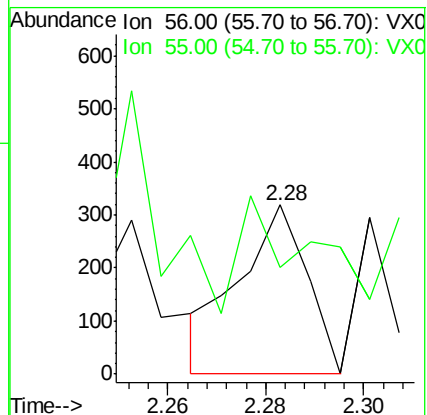
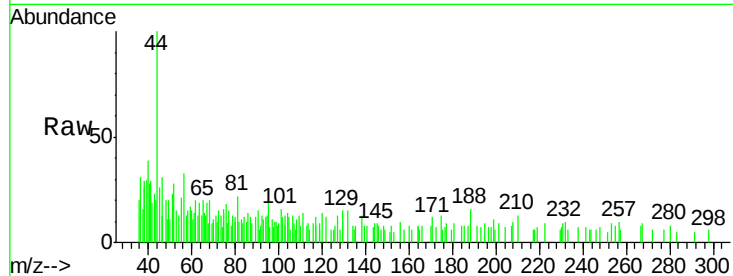
DUP-01-20200225

Tgt Ion: 56 Resp: 305

Ion Ratio Lower Upper

56 100

55 79.0 55.0 82.4



#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX015046.D

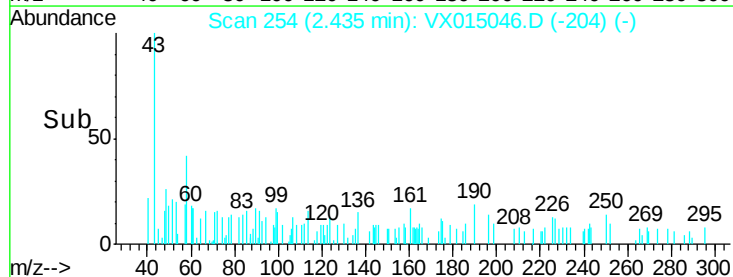
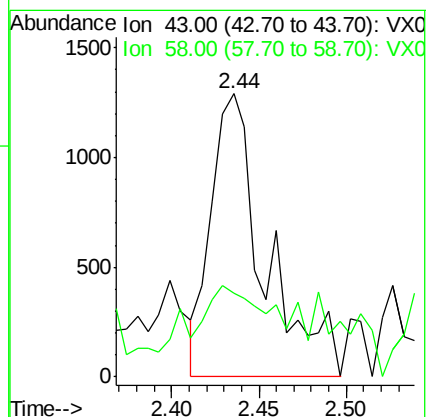
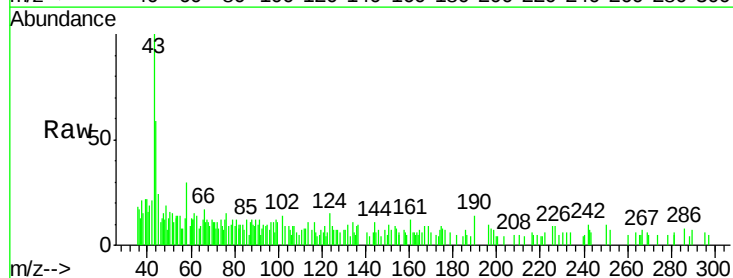
Acq: 27 Feb 2020 14:29

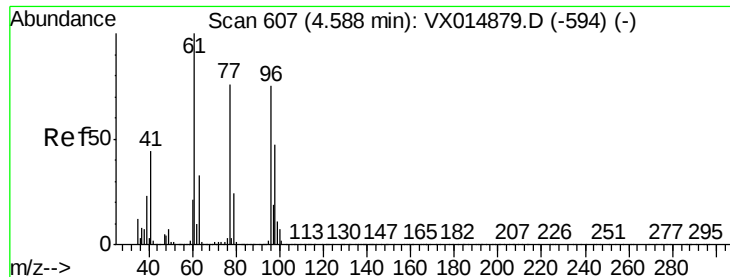
Tgt Ion: 43 Resp: 2743

Ion Ratio Lower Upper

43 100

58 16.0 24.1 36.1#



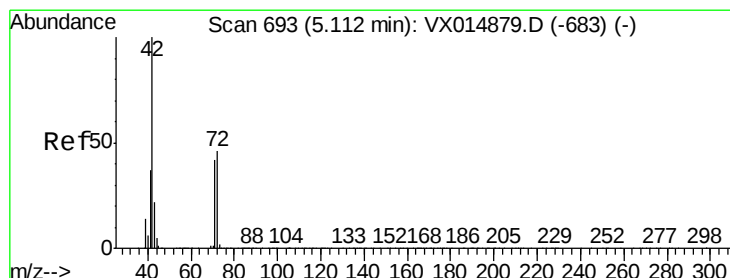
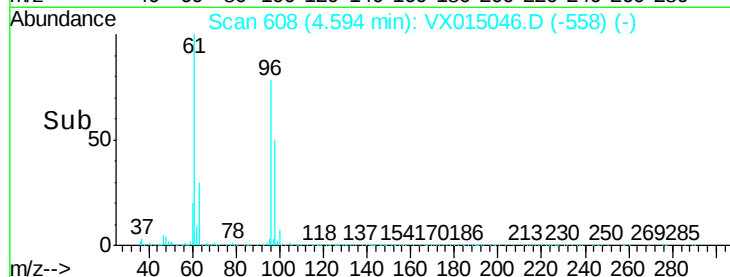
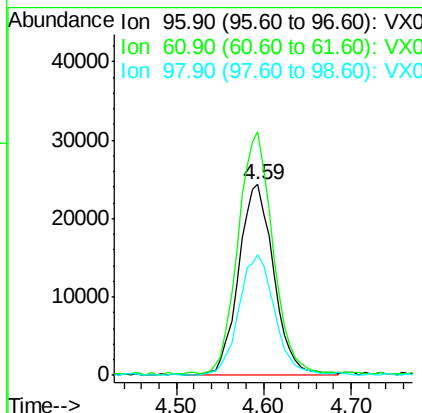
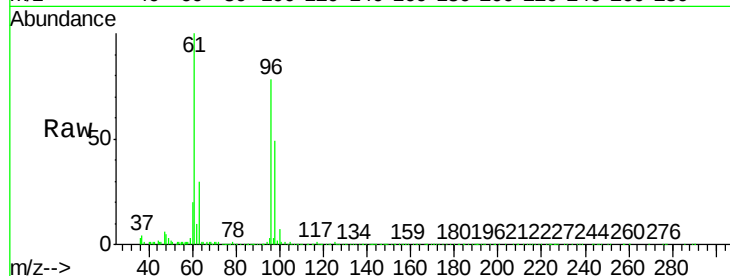


#27

cis-1,2-Dichloroethene
Concen: 14.33 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX015046.D
Acq: 27 Feb 2020 14:29

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-20200225

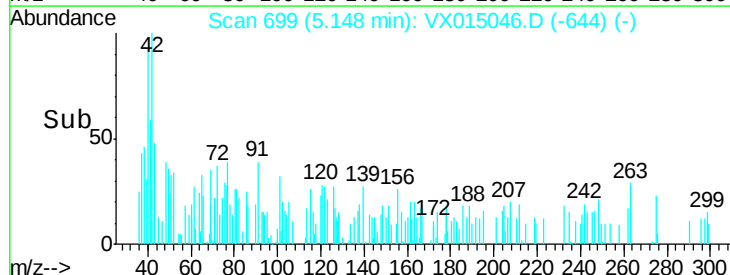
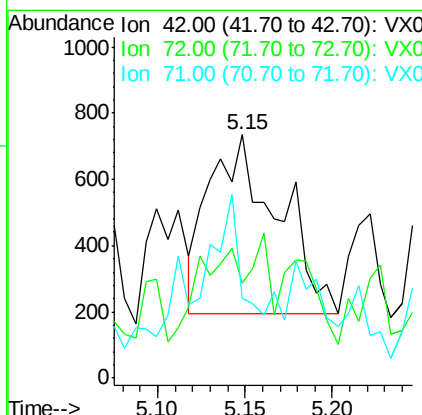
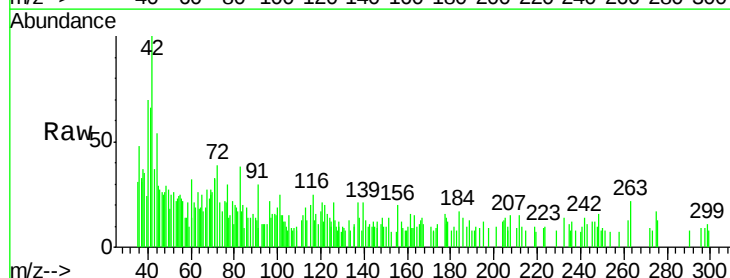
Tgt Ion: 96 Resp: 68201
Ion Ratio Lower Upper
96 100
61 125.3 0.0 286.2
98 64.5 0.0 131.0

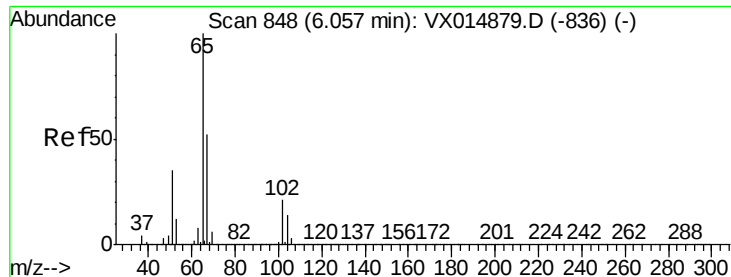


#29

Tetrahydrofuran
Concen: 0.80 ug/l
RT: 5.15 min Scan# 699
Delta R.T. 0.04 min
Lab File: VX015046.D
Acq: 27 Feb 2020 14:29

Tgt Ion: 42 Resp: 1474
Ion Ratio Lower Upper
42 100
72 46.4 36.9 55.3
71 34.2 34.1 51.1





#33

1,2-Dichloroethane-d4

Concen: 50.22 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX015046.D

Acq: 27 Feb 2020 14:29

Instrument :

MSVOA_X

ClientSampleId :

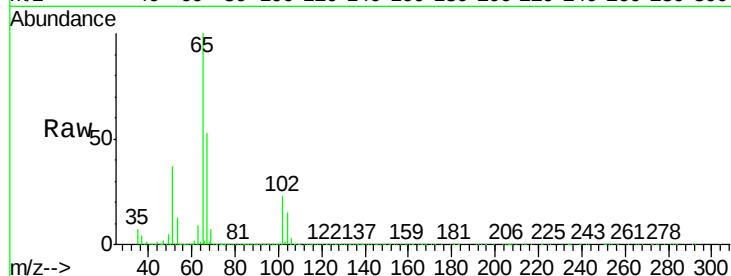
DUP-01-20200225

Tgt Ion: 65 Resp: 238614

Ion Ratio Lower Upper

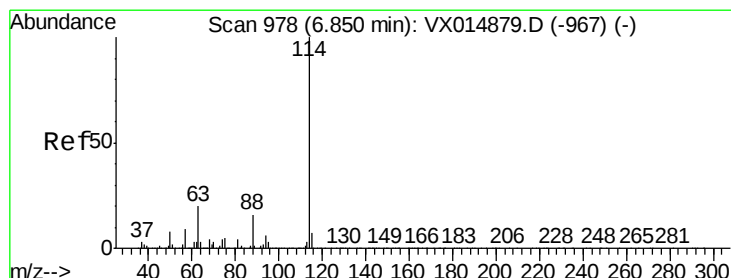
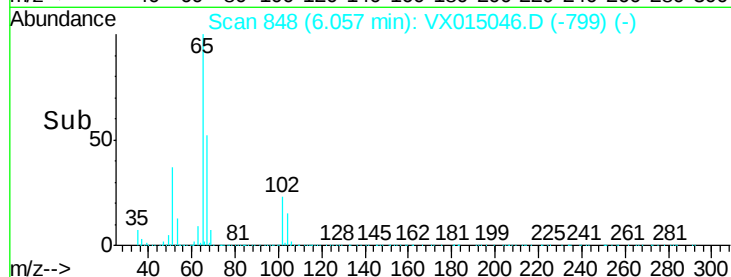
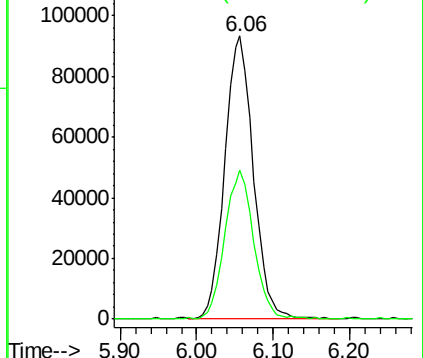
65 100

67 53.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015046.D

Acq: 27 Feb 2020 14:29

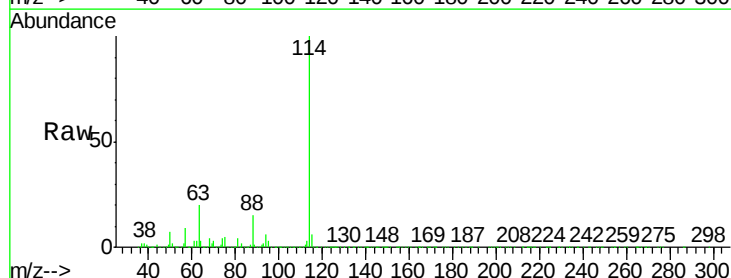
Tgt Ion: 114 Resp: 666289

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

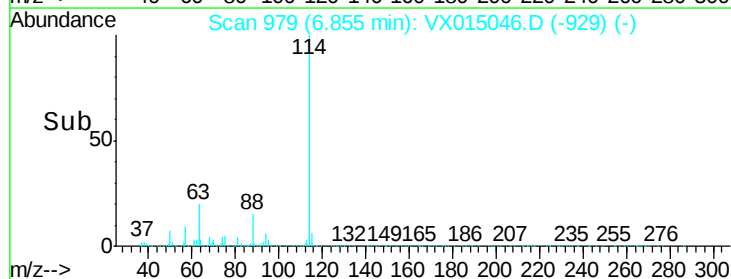
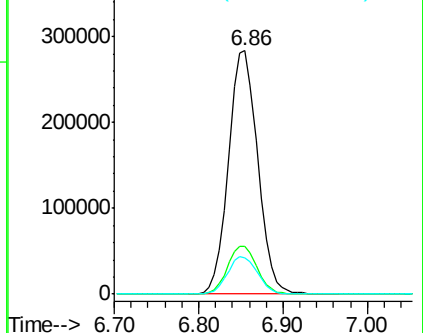
88 14.9 0.0 32.0

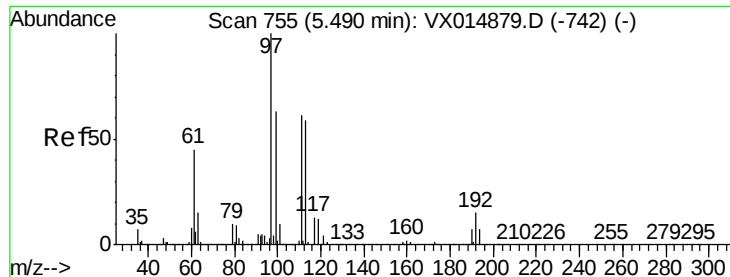


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.84 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015046.D

Acq: 27 Feb 2020 14:29

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-20200225

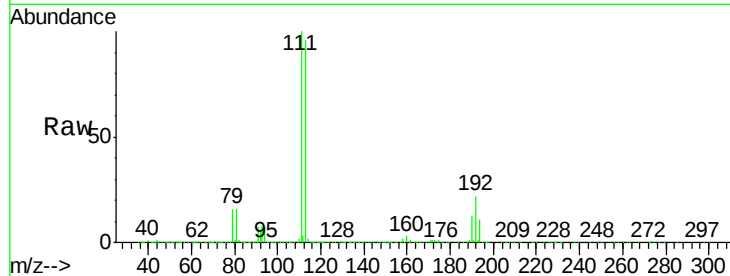
Tgt Ion: 113 Resp: 204136

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

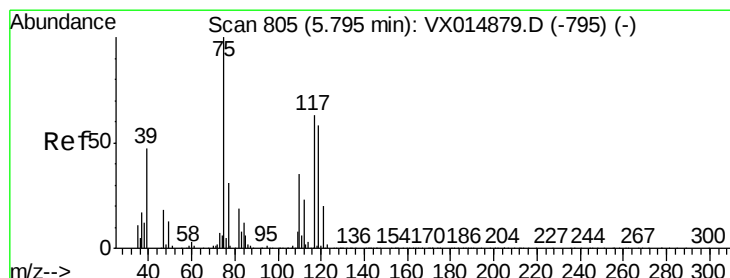
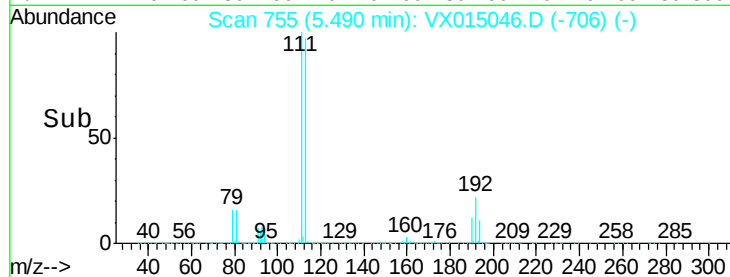
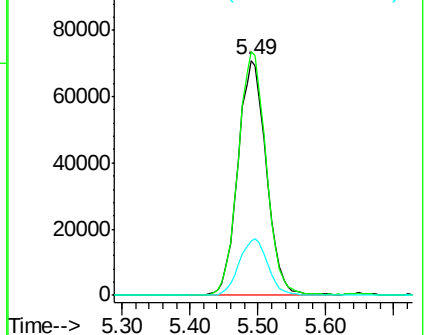
192 24.5 19.1 28.7



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: 4.72 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX015046.D

Acq: 27 Feb 2020 14:29

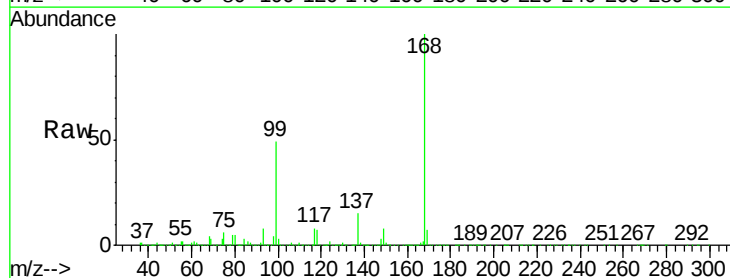
Tgt Ion: 75 Resp: 28160

Ion Ratio Lower Upper

75 100

110 10.7 18.3 54.8#

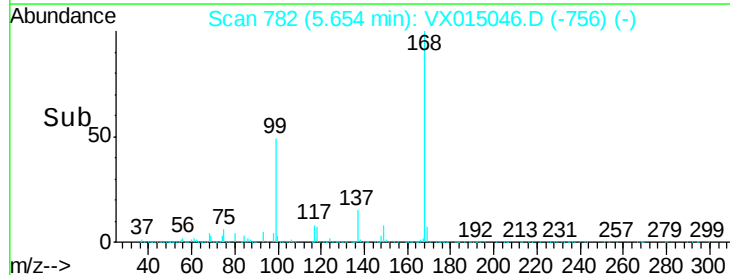
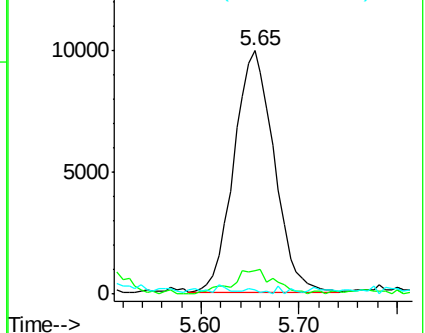
77 1.0 24.6 36.8#

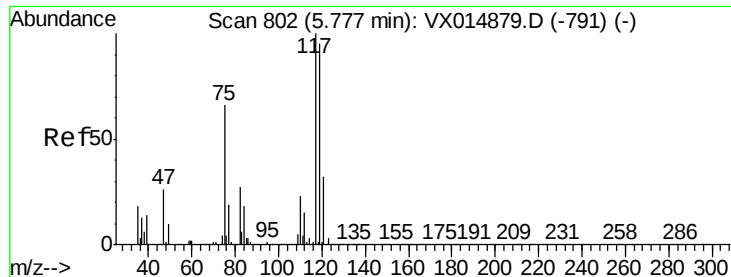


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.46 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX015046.D

Acq: 27 Feb 2020 14:29

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-20200225

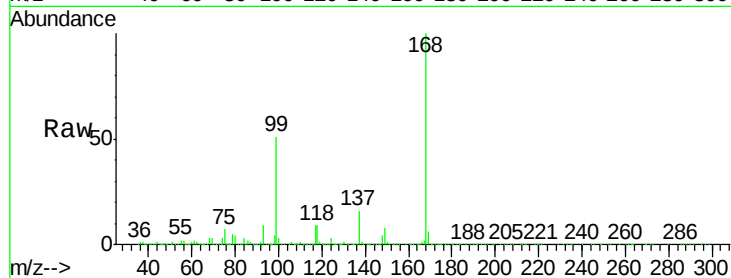
Tgt Ion:117 Resp: 37515

Ion Ratio Lower Upper

117 100

119 4.9 76.0 114.0#

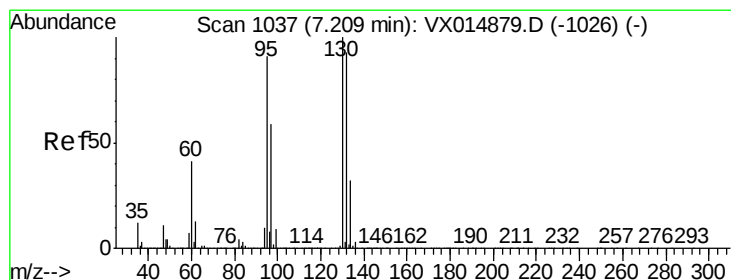
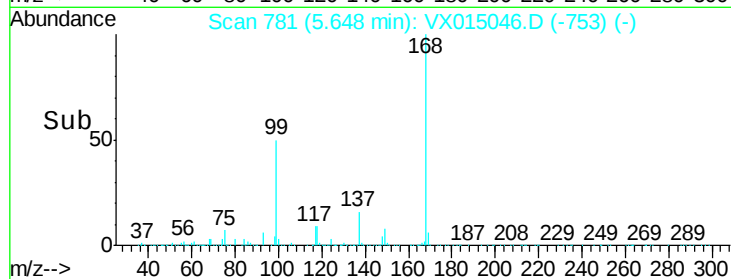
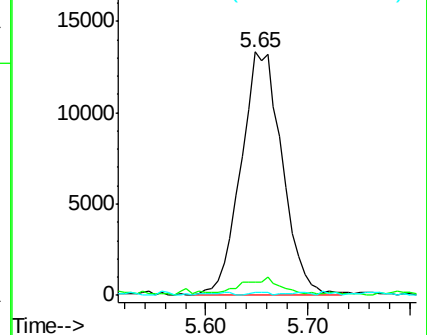
121 0.8 25.4 38.2#



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: 0.86 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015046.D

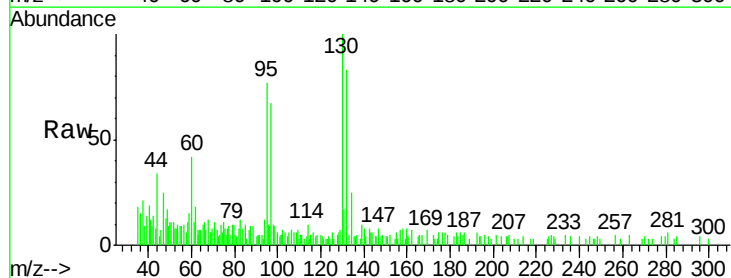
Acq: 27 Feb 2020 14:29

Tgt Ion:130 Resp: 4464

Ion Ratio Lower Upper

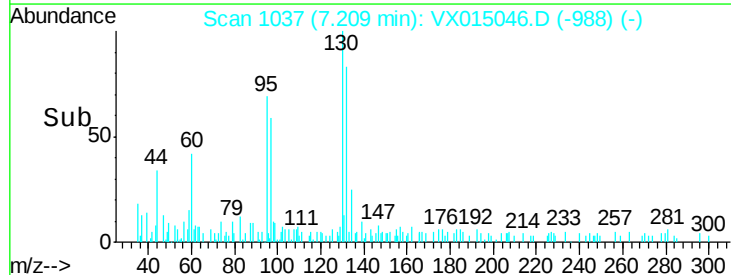
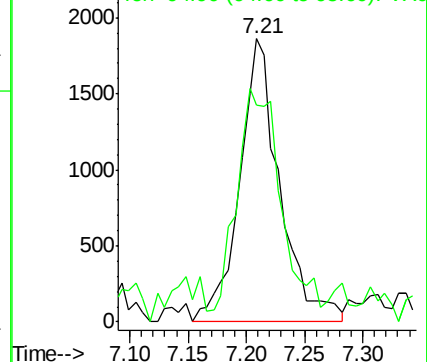
130 100

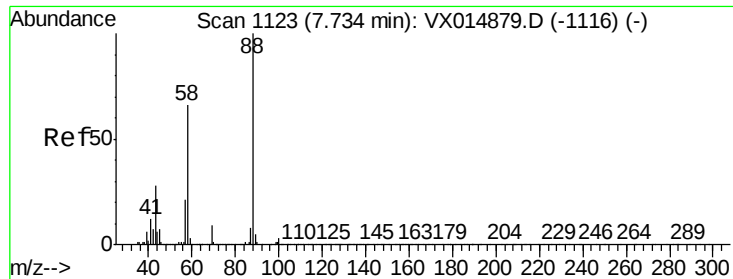
95 68.9 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

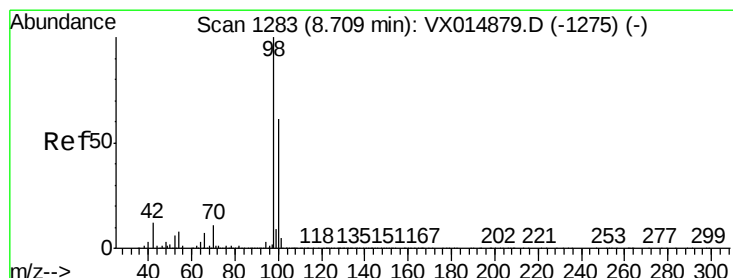
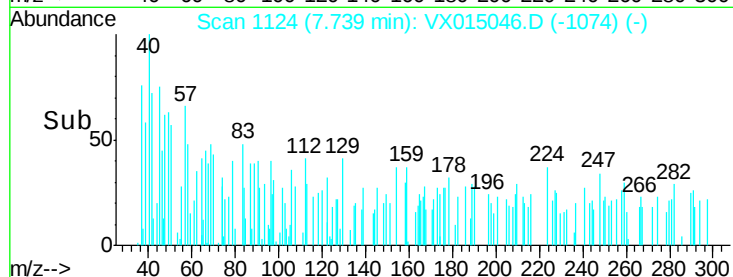
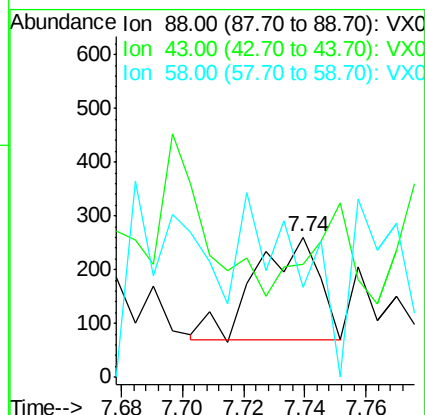
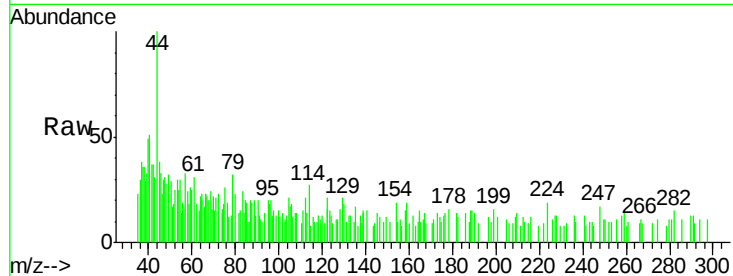




#49
1,4-Dioxane
Concen: 2.91 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX015046.D
Acq: 27 Feb 2020 14:29

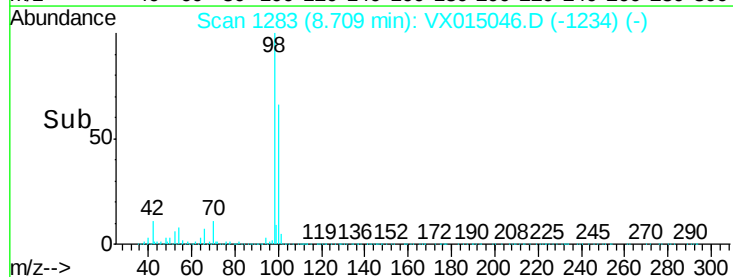
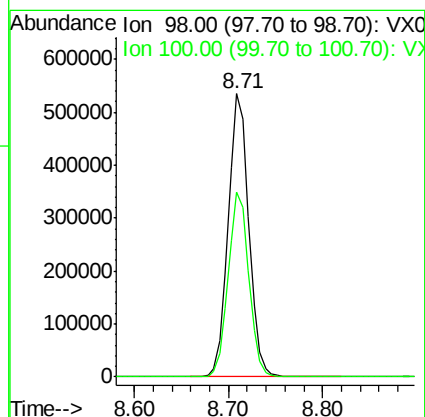
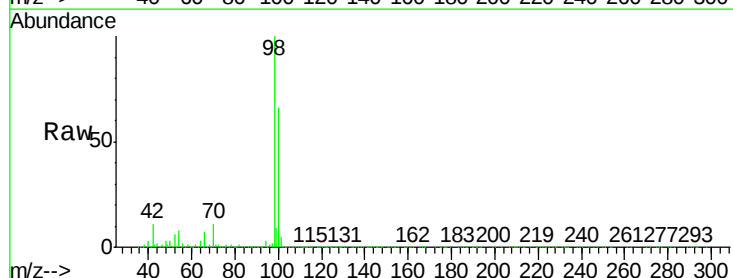
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-20200225

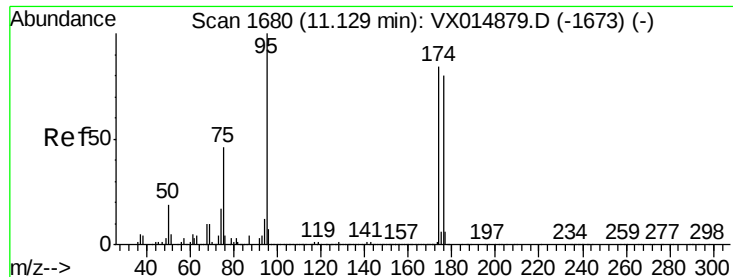
Tgt Ion: 88 Resp: 275
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 166.9 53.2 79.8#



#50
Toluene-d8
Concen: 51.85 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015046.D
Acq: 27 Feb 2020 14:29

Tgt Ion: 98 Resp: 810654
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

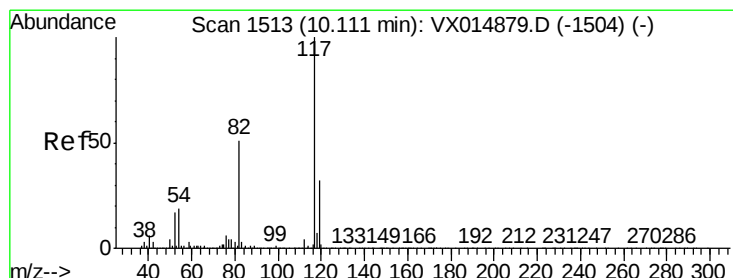
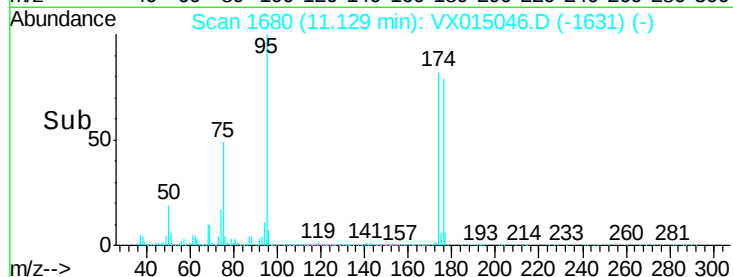
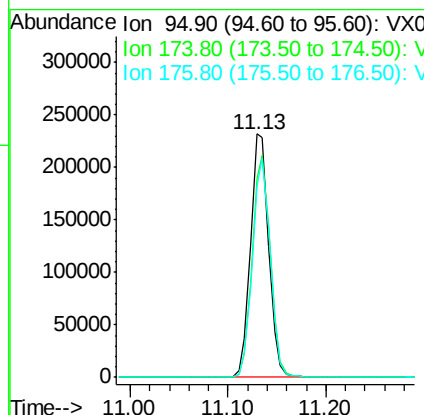
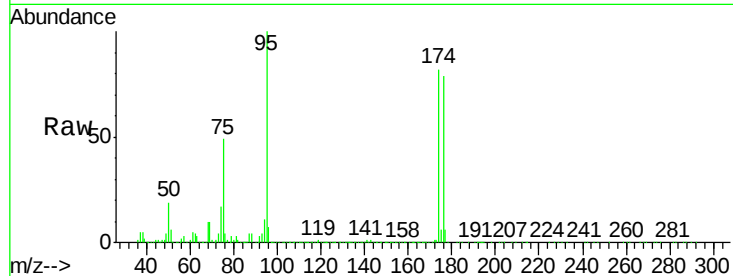




#62
4-Bromofluorobenzene
Concen: 53.32 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015046.D
Acq: 27 Feb 2020 14:29

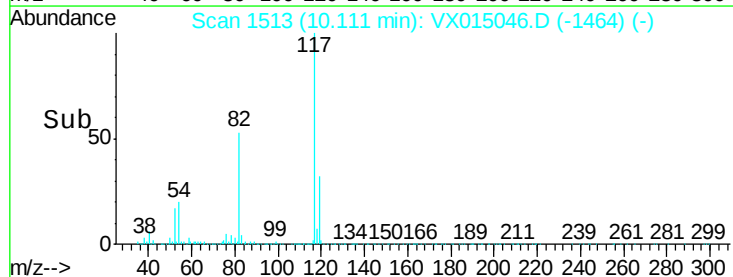
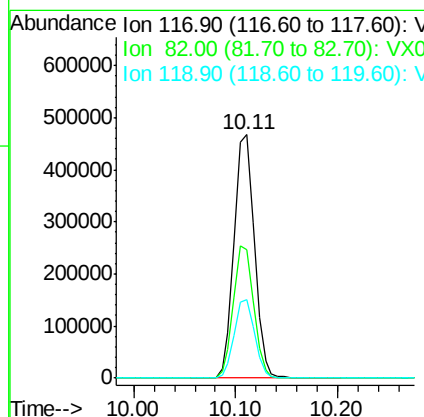
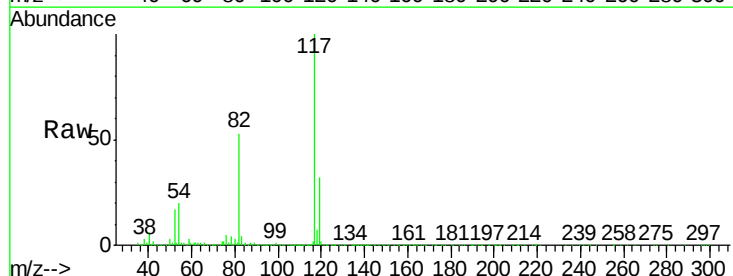
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-20200225

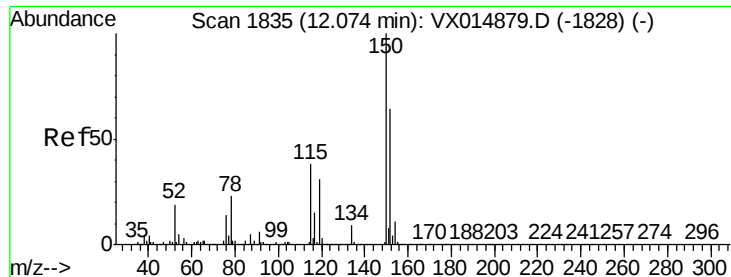
Tgt Ion: 95 Resp: 300331
Ion Ratio Lower Upper
95 100
174 90.6 0.0 183.0
176 87.9 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015046.D
Acq: 27 Feb 2020 14:29

Tgt Ion: 117 Resp: 642644
Ion Ratio Lower Upper
117 100
82 52.9 40.5 60.7
119 32.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015046.D

Acq: 27 Feb 2020 14:29

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-20200225

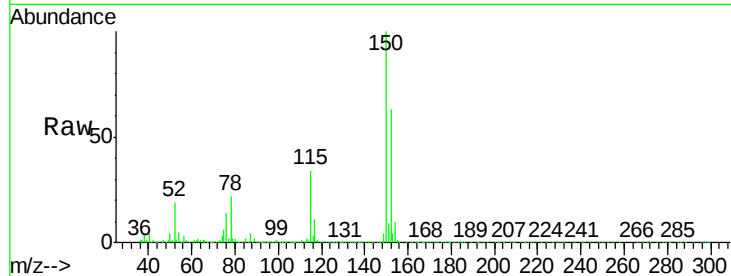
Tgt Ion: 152 Resp: 335092

Ion Ratio Lower Upper

152 100

115 55.0 38.6 116.0

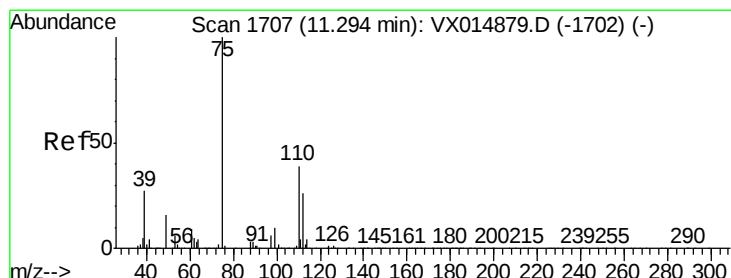
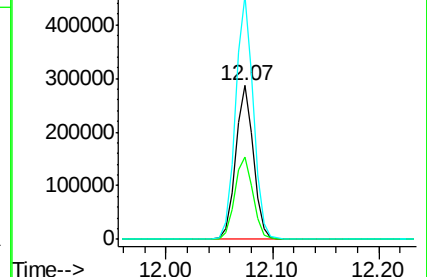
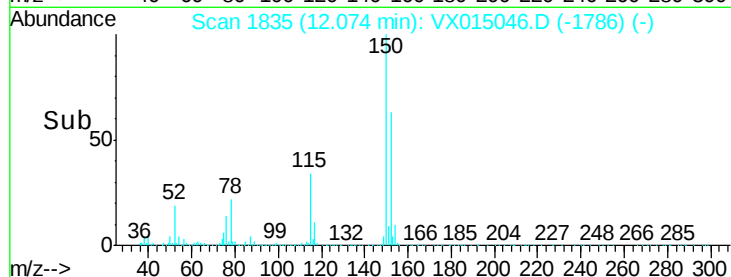
150 157.9 0.0 349.0



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: 23.97 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015046.D

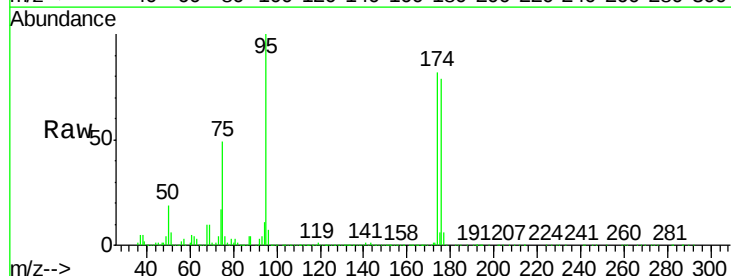
Acq: 27 Feb 2020 14:29

Tgt Ion: 75 Resp: 145256

Ion Ratio Lower Upper

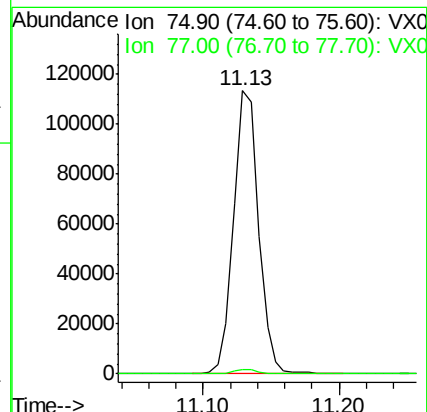
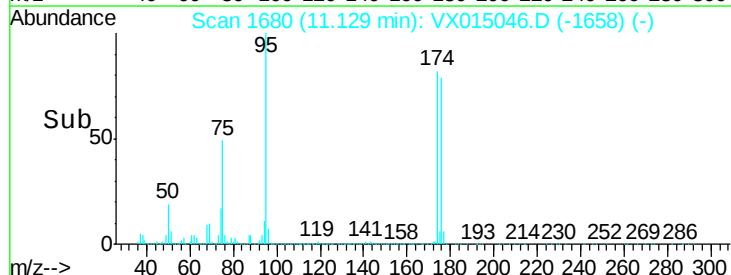
75 100

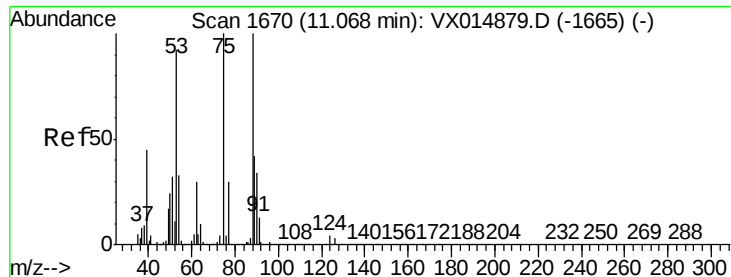
77 2.0 18.4 55.0#



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: 61.36 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015046.D

Acq: 27 Feb 2020 14:29

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-20200225

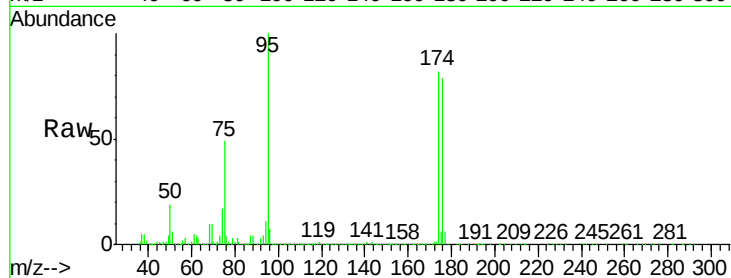
Tgt Ion: 75 Resp: 145256

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

89 0.1 35.8 53.6#



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

