

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\
 Data File : VX006178.D
 Acq On : 26 Nov 2018 16:31
 Operator : JC/MD
 Sample : J6030-05DL 1000X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-01

Quant Time: Nov 27 02:29:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	323267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	478945	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	444408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217249	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	201826	53.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.76%	
35) Dibromofluoromethane	5.50	113	163402	53.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.30%	
50) Toluene-d8	8.71	98	587014	50.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	11.14	95	198897	45.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.42%	

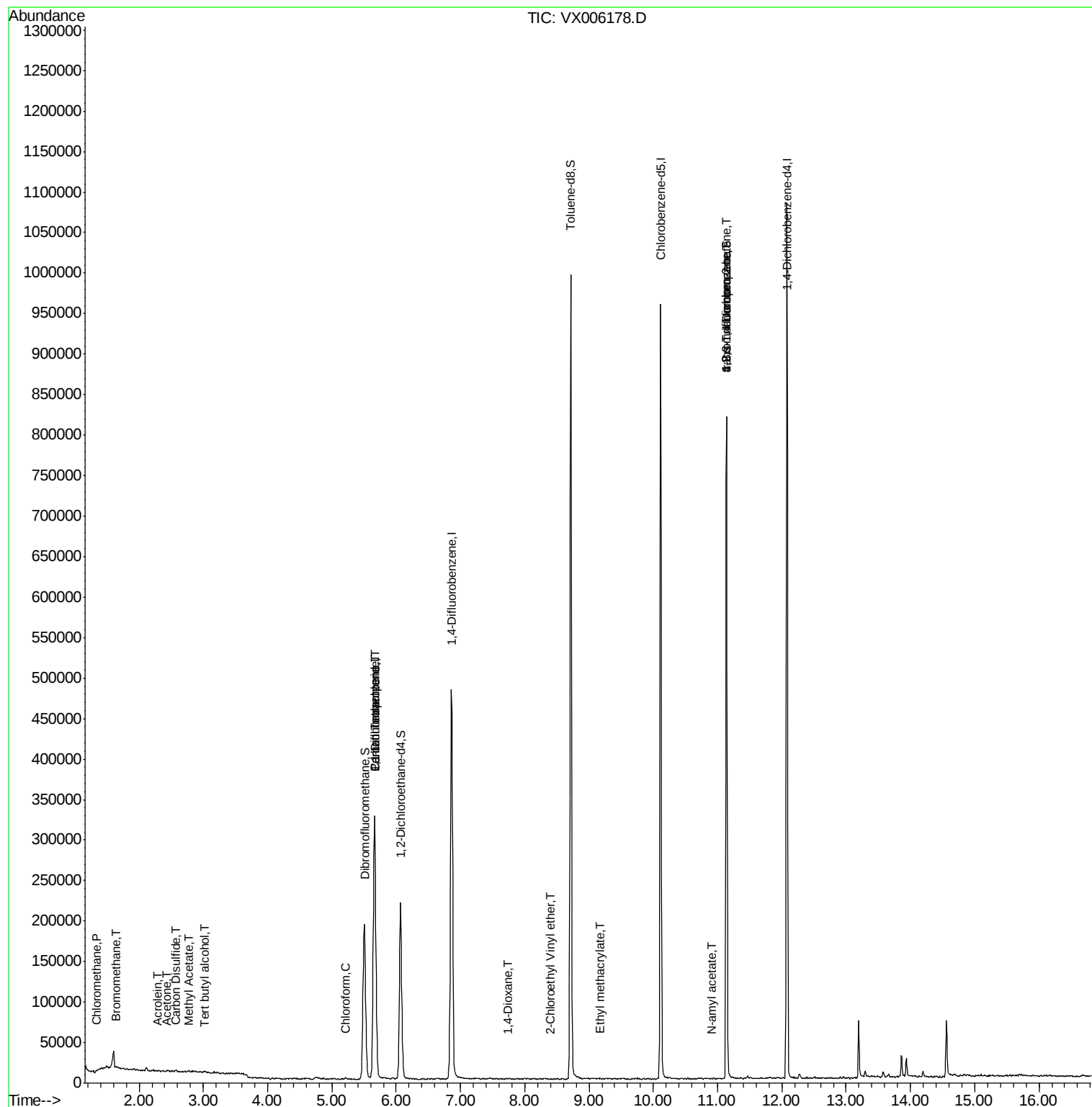
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	939	0.309	ug/l #	81
5) Bromomethane	1.64	94	769	4.015	ug/l #	48
6) Chloroethane	1.70	64	466	Below Cal	#	61
11) Tert butyl alcohol	3.01	59	1330	1.669	ug/l	97
13) Acrolein	2.29	56	240	0.503	ug/l #	59
16) Acetone	2.44	43	909	0.547	ug/l	92
17) Carbon Disulfide	2.57	76	2152	0.341	ug/l #	88
18) Methyl Acetate	2.78	43	2720	0.638	ug/l #	80
20) Methylene Chloride	2.87	84	666	Below Cal	#	71
30) Chloroform	5.21	83	1334	0.229	ug/l	89
36) 1,1-Dichloropropene	5.66	75	23308	5.349	ug/l #	51
38) Carbon Tetrachloride	5.66	117	29286	7.151	ug/l #	18
49) 1,4-Dioxane	7.75	88	30	0.308	ug/l #	1
56) Ethyl methacrylate	9.18	69	106	2.884	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.39	63	136	6.766	ug/l	100
74) N-amyl acetate	10.91	43	324	2.239	ug/l #	46
76) 1,2,3-Trichloropropane	11.14	75	102599	22.939	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	102599	77.585	ug/l #	8

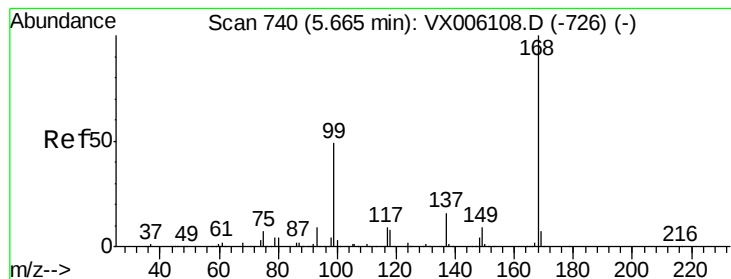
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 21 08:15:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006178.D

Acq: 26 Nov 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

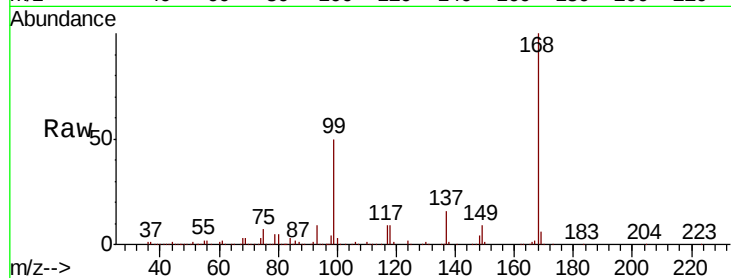
DUP-01

Tot Ion:168 Resp: 323267

Ion Ratio Lower Upper

168 100

99 50.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

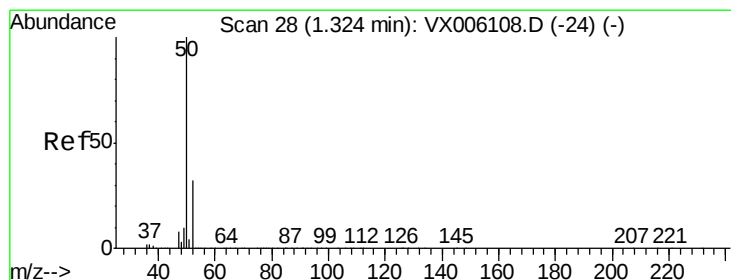
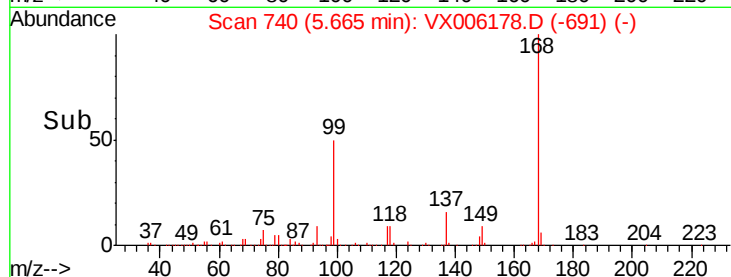
5.67

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.309 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006178.D

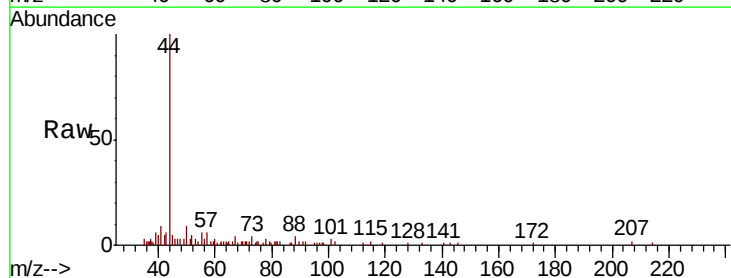
Acq: 26 Nov 2018 16:31

Tgt Ion: 50 Resp: 939

Ion Ratio Lower Upper

50 100

52 21.1 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

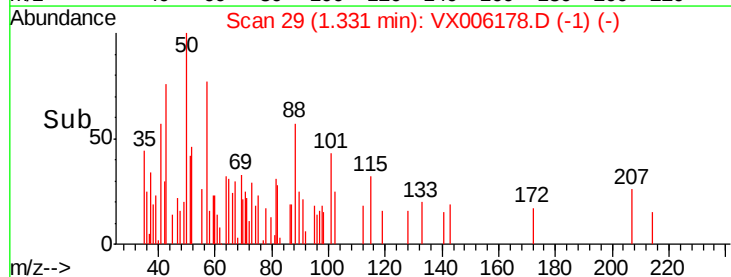
300

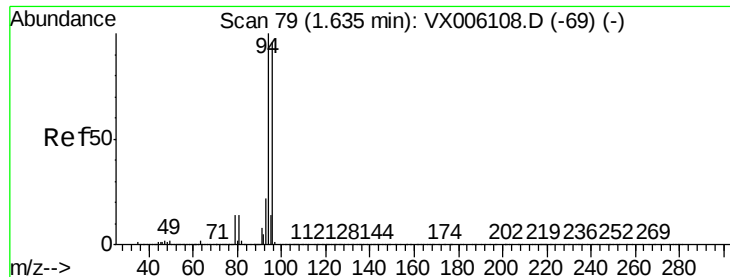
200

100

0

Time-->





#5

Bromomethane

Concen: 4.015 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX006178.D

Acq: 26 Nov 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

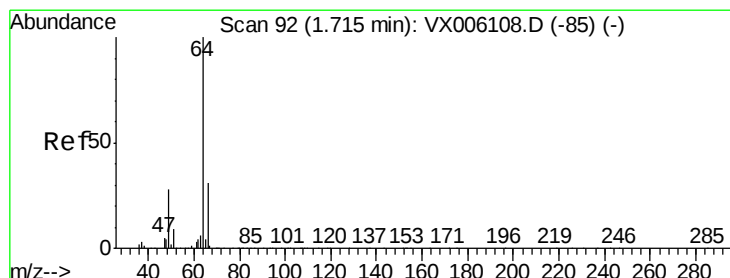
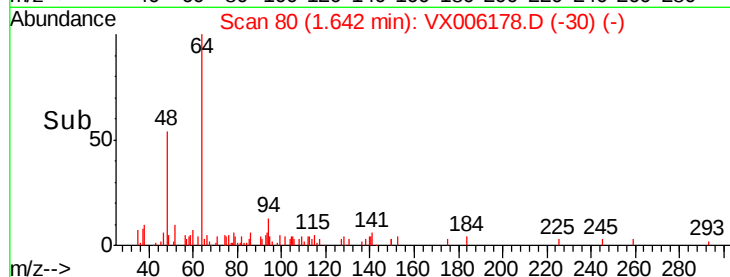
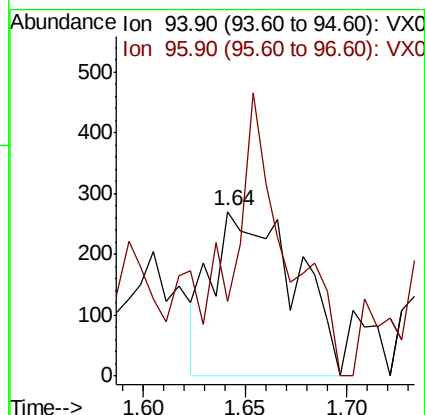
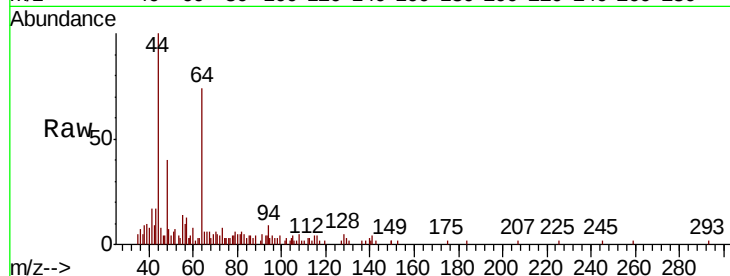
DUP-01

Tot Ion: 94 Resp: 769

Ion Ratio Lower Upper

94 100

96 45.6 76.7 115.1#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX006178.D

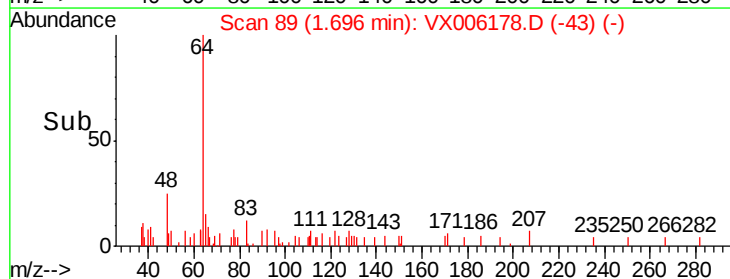
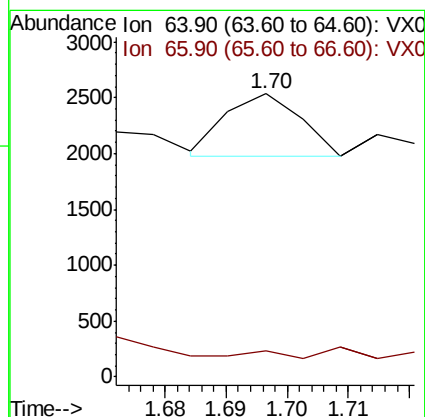
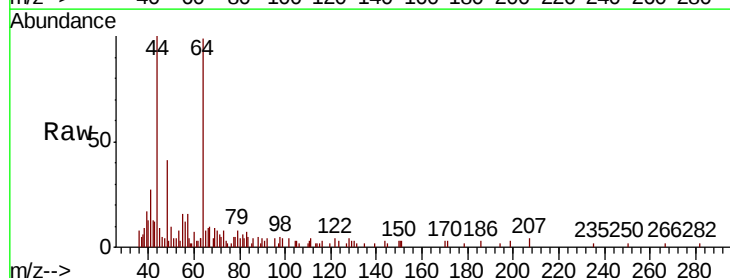
Acq: 26 Nov 2018 16:31

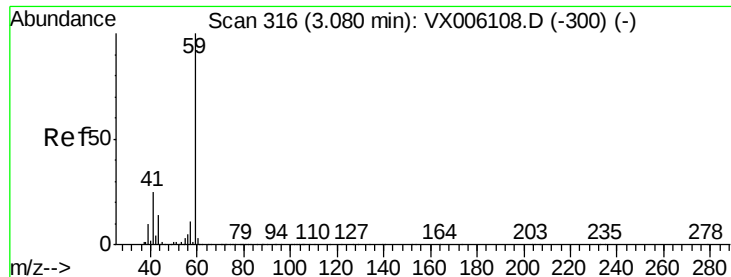
Tgt Ion: 64 Resp: 466

Ion Ratio Lower Upper

64 100

66 9.9 25.1 37.7#

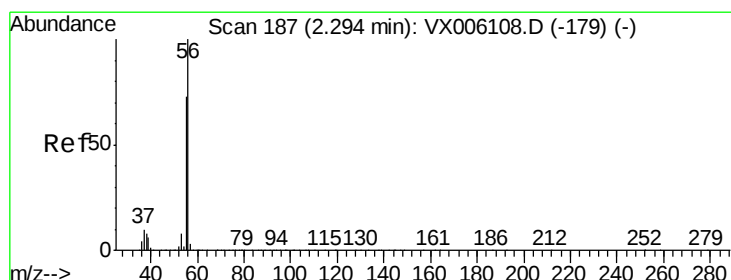
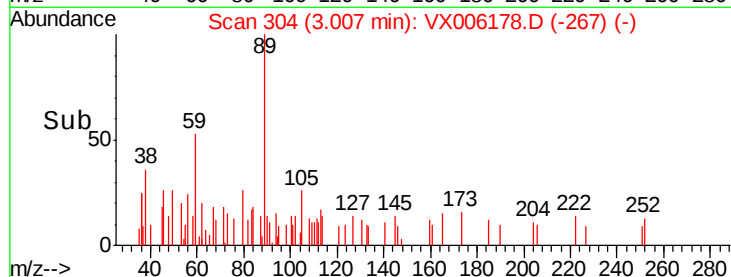
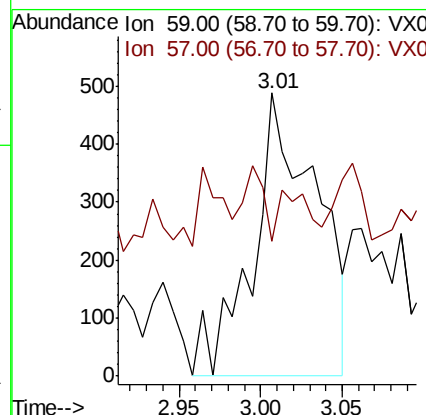
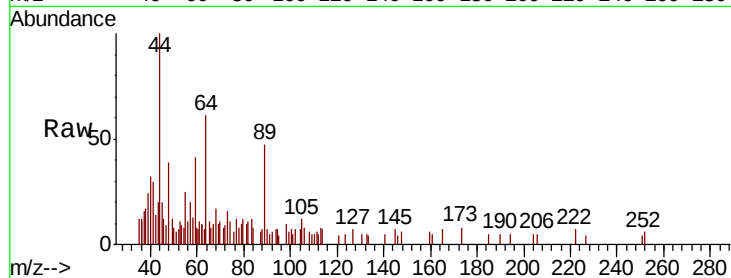




#11
Tert butvl alcohol
Concen: 1.669 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.07 min
Lab File: VX006178.D
Acq: 26 Nov 2018 16:31

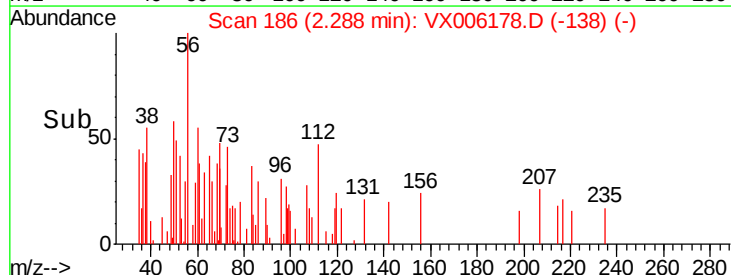
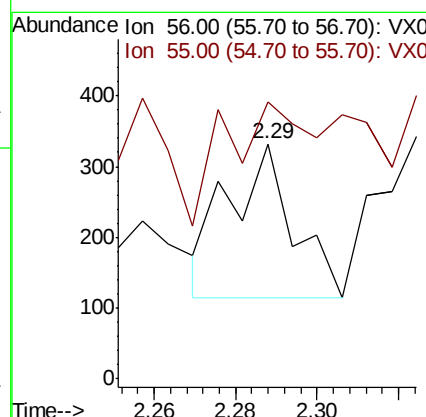
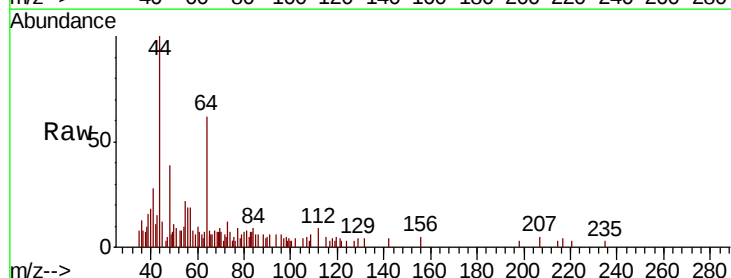
Instrument :
MSVOA_X
ClientSampled :
DUP-01

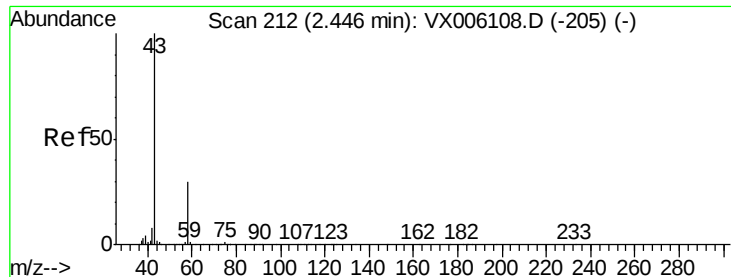
Tot Ion: 59 Resp: 1330
Ion Ratio Lower Upper
59 100
57 9.9 8.7 13.1



#13
Acrolein
Concen: 0.503 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX006178.D
Acq: 26 Nov 2018 16:31

Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 106.7 57.8 86.6#





#16

Acetone

Concen: 0.547 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006178.D

Acq: 26 Nov 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

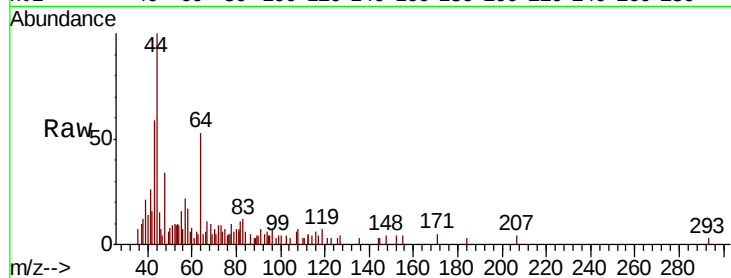
DUP-01

Tot Ion: 43 Resp: 909

Ion Ratio Lower Upper

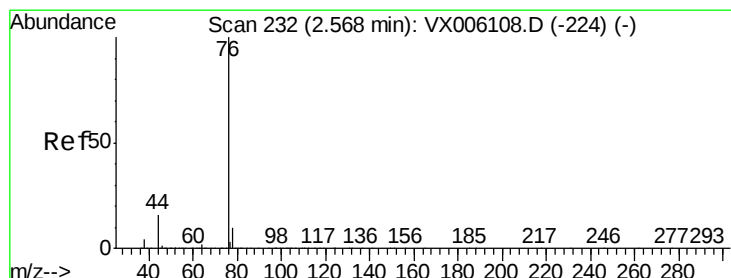
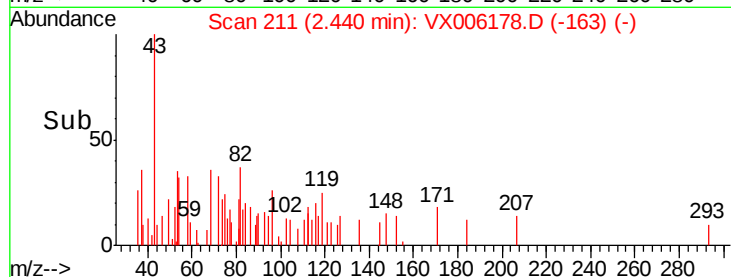
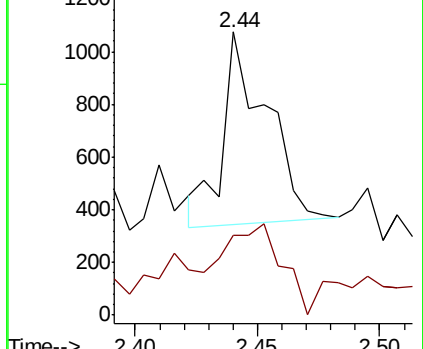
43 100

58 25.2 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.341 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006178.D

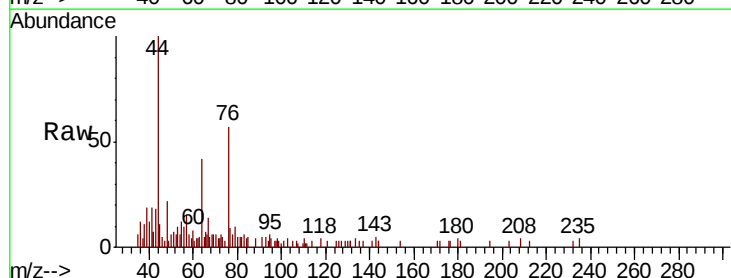
Acq: 26 Nov 2018 16:31

Tgt Ion: 76 Resp: 2152

Ion Ratio Lower Upper

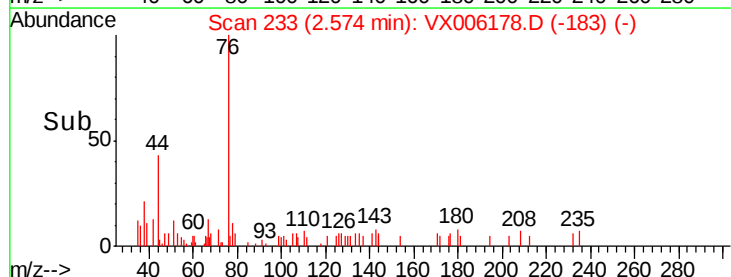
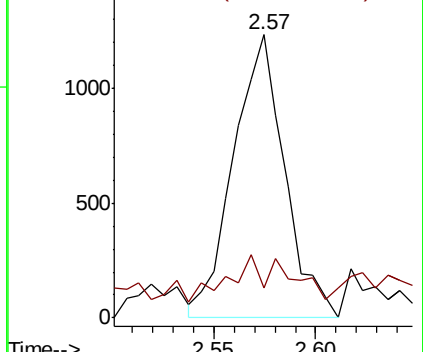
76 100

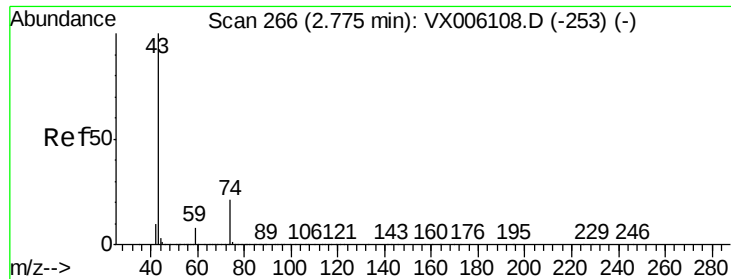
78 5.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

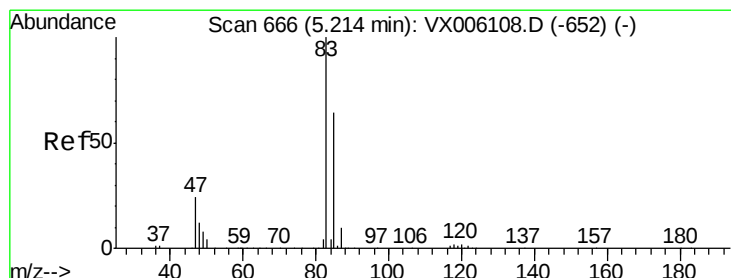
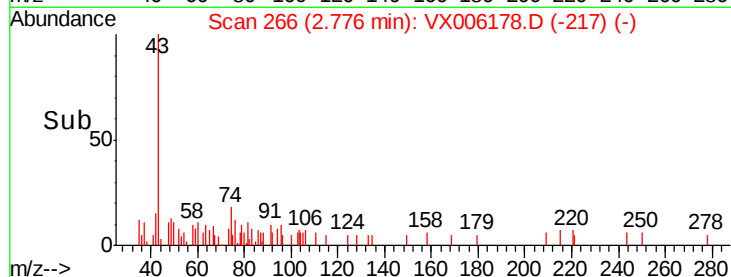
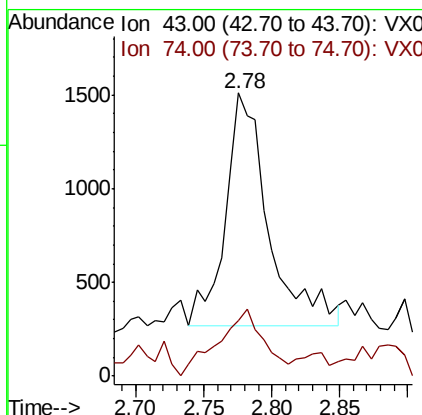
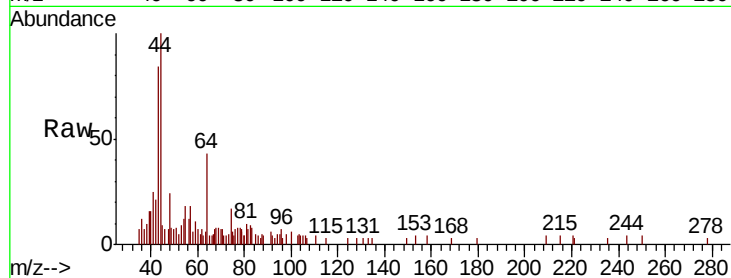




#18
Methvl Acetate
Concen: 0.638 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX006178.D
Acq: 26 Nov 2018 16:31

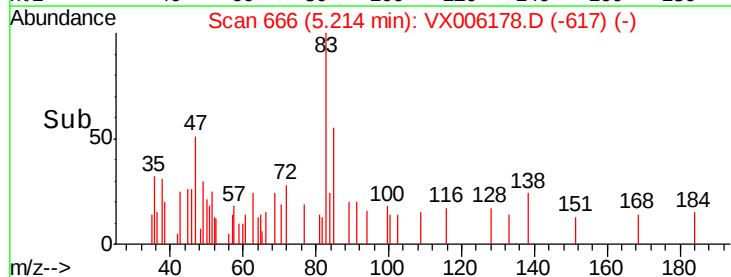
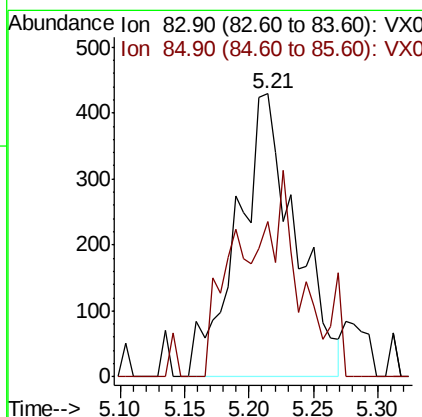
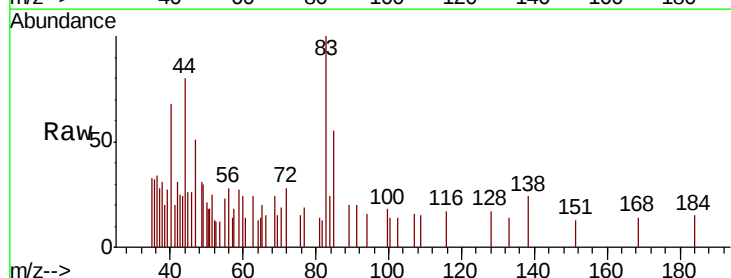
Instrument :
MSVOA_X
ClientSampleId :
DUP-01

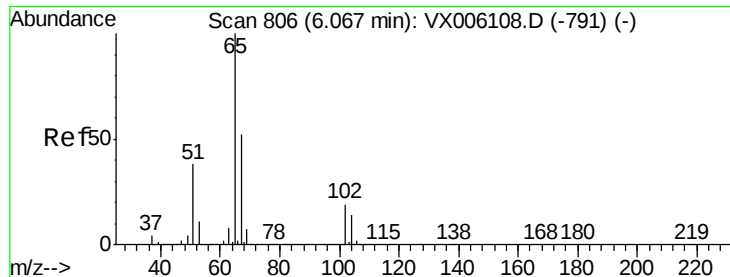
Tot Ion: 43 Resp: 2720
Ion Ratio Lower Upper
43 100
74 31.1 17.3 25.9#



#30
Chloroform
Concen: 0.229 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006178.D
Acq: 26 Nov 2018 16:31

Tgt Ion: 83 Resp: 1334
Ion Ratio Lower Upper
83 100
85 55.0 51.0 76.4





#33

1,2-Dichloroethane-d4

Concen: 53.880 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006178.D

Acq: 26 Nov 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

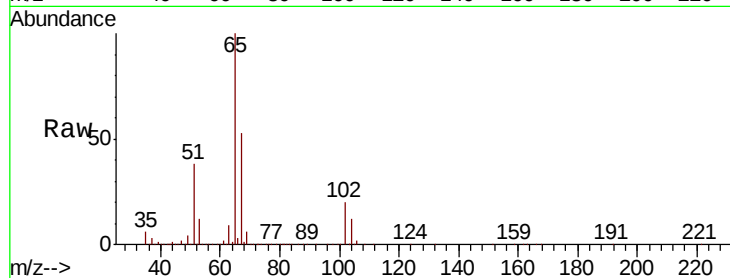
DUP-01

Tot Ion: 65 Resp: 201826

Ion Ratio Lower Upper

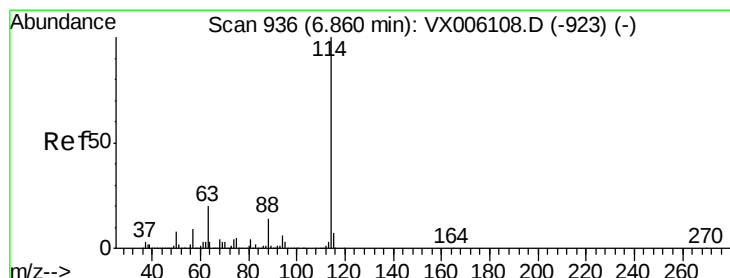
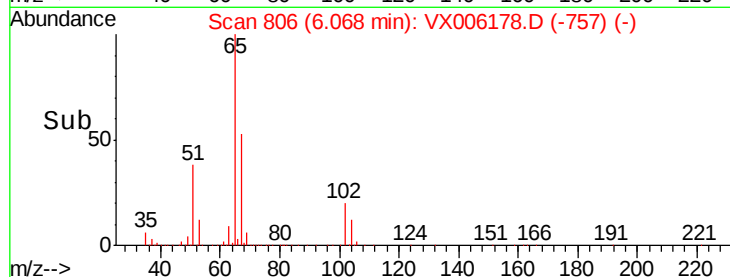
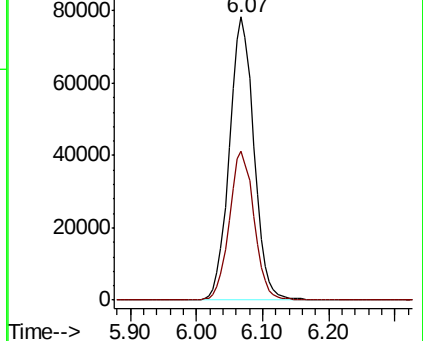
65 100

67 53.0 0.0 105.8



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: VX006178.D

Acq: 26 Nov 2018 16:31

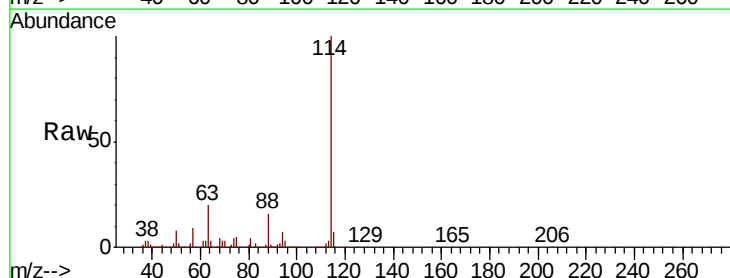
Tgt Ion: 114 Resp: 478945

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

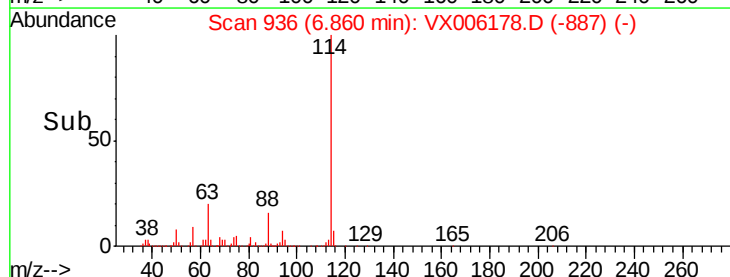
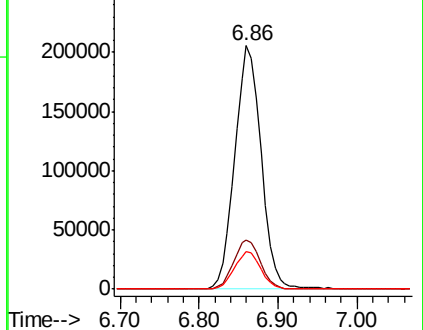
88 15.5 0.0 28.6

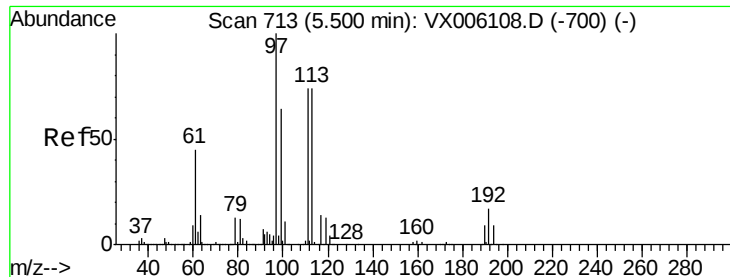


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.149 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006178.D

Acq: 26 Nov 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

DUP-01

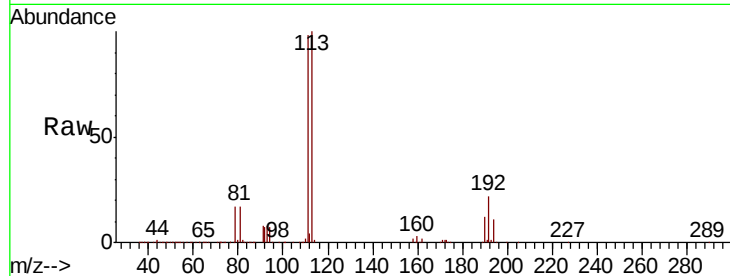
Tot Ion:113 Resp: 163402

Ion Ratio Lower Upper

113 100

111 101.6 81.5 122.3

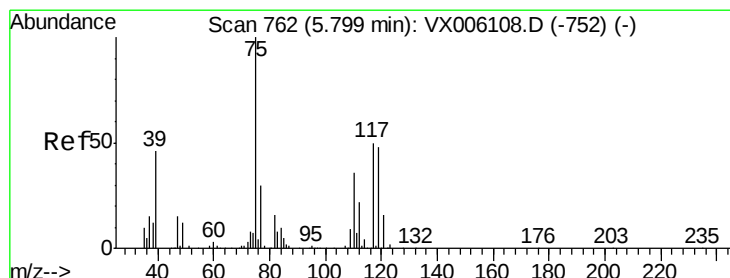
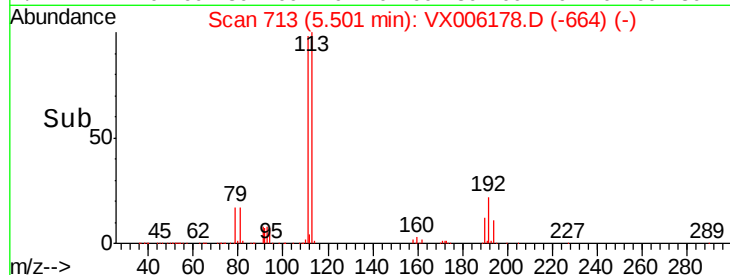
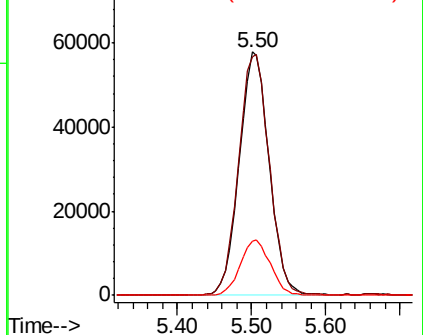
192 22.9 18.6 28.0



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: 5.349 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006178.D

Acq: 26 Nov 2018 16:31

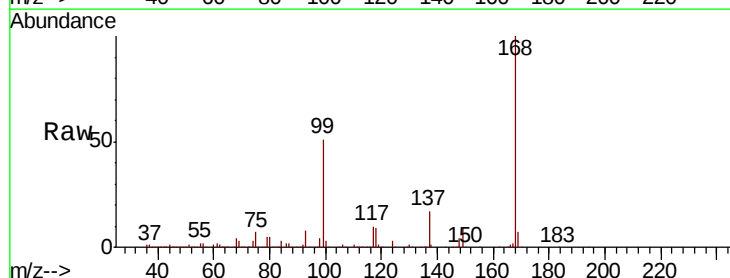
Tgt Ion: 75 Resp: 23308

Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.3#

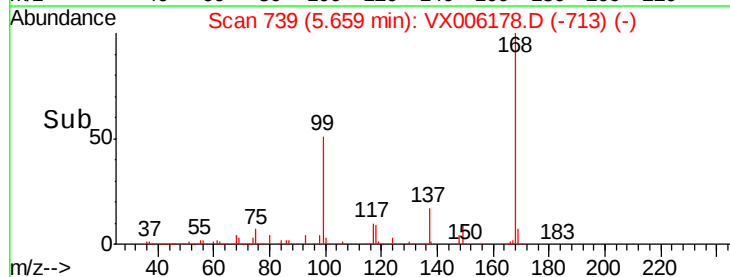
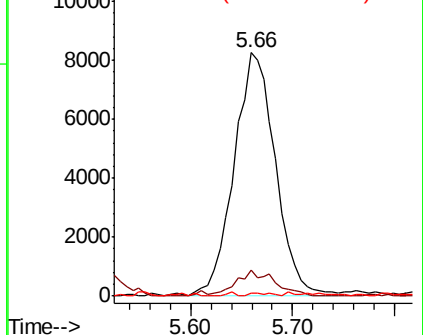
77 0.3 24.5 36.7#

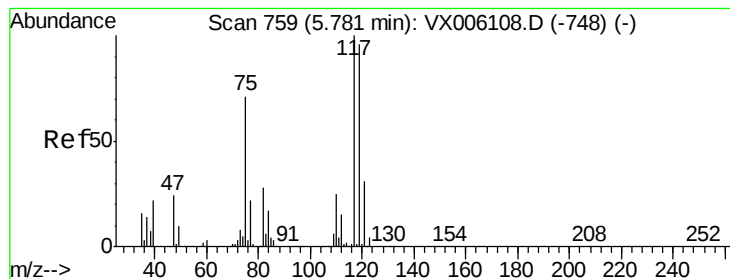


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.151 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006178.D

Acq: 26 Nov 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

DUP-01

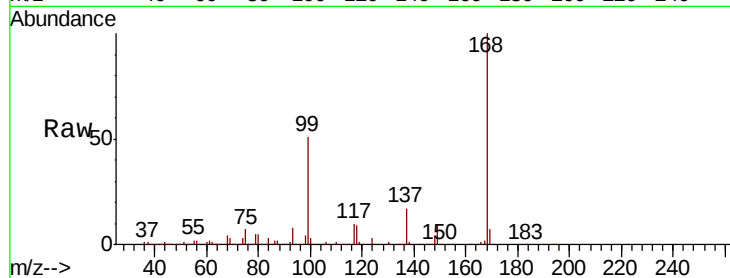
Tot Ion:117 Resp: 29286

Ion Ratio Lower Upper

117 100

119 7.0 76.3 114.5#

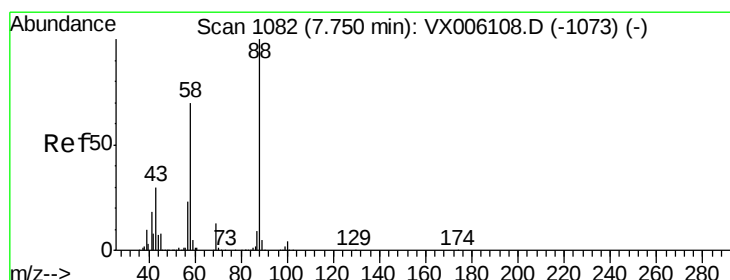
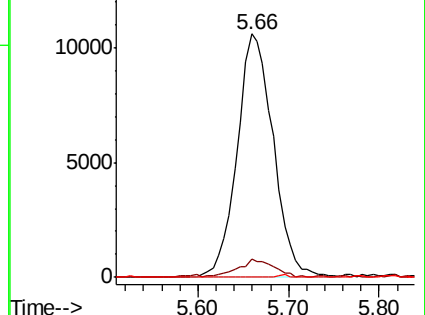
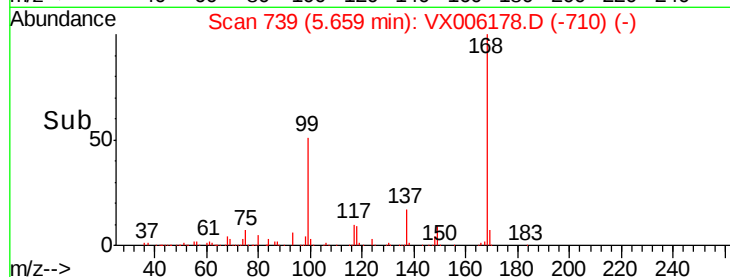
121 0.0 24.7 37.1#



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: 0.308 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006178.D

Acq: 26 Nov 2018 16:31

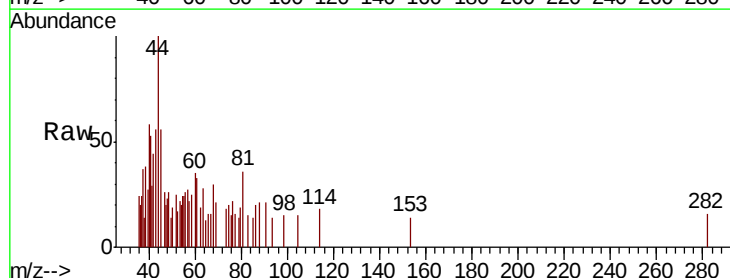
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 466.7 26.7 40.1#

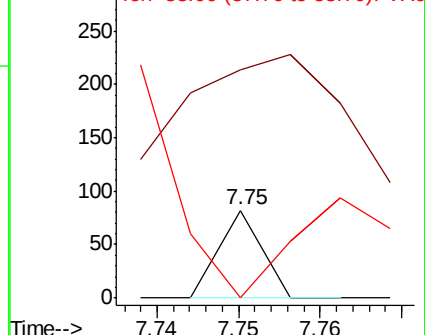
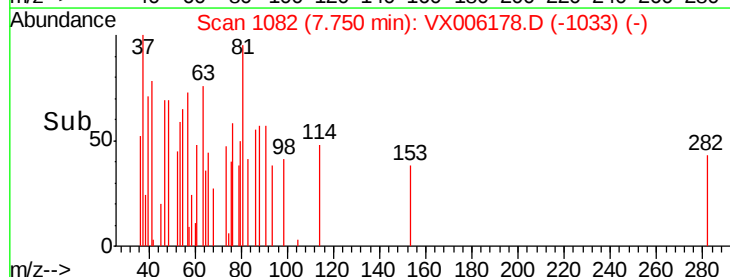
58 400.0 58.5 87.7#

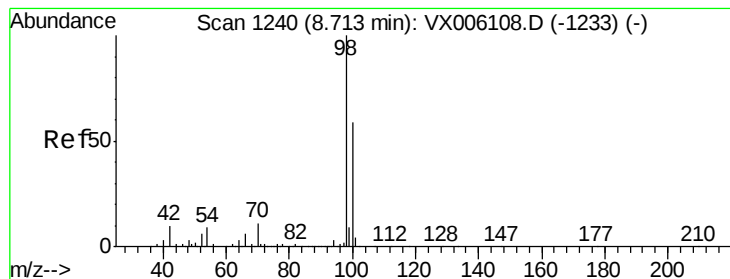


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.059 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006178.D

Acq: 26 Nov 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

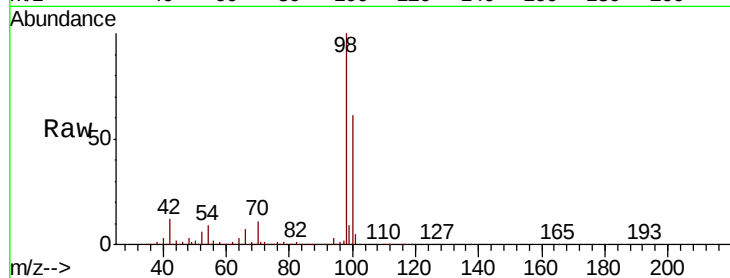
DUP-01

Tot Ion: 98 Resp: 587014

Ion Ratio Lower Upper

98 100

100 62.6 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

400000

300000

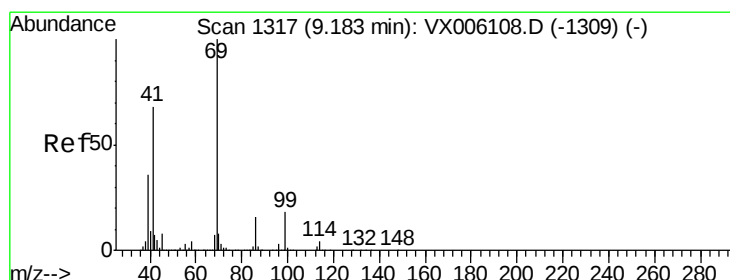
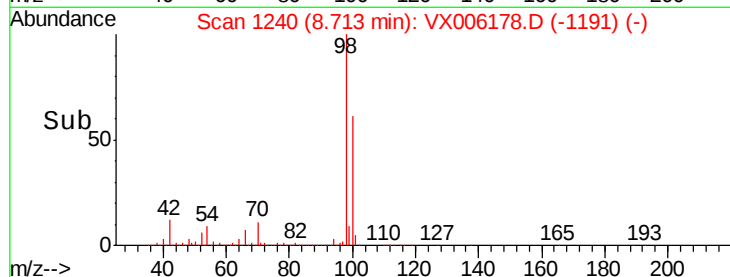
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#56

Ethyl methacrylate

Concen: 2.884 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX006178.D

Acq: 26 Nov 2018 16:31

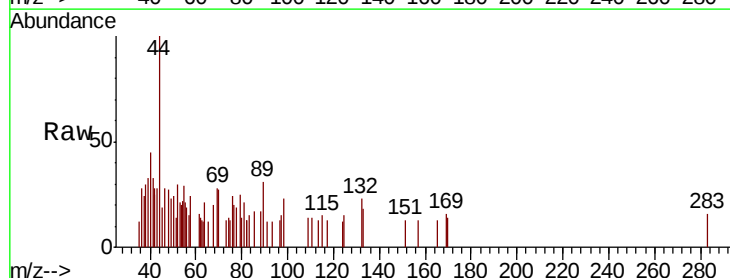
Tgt Ion: 69 Resp: 106

Ion Ratio Lower Upper

69 100

41 0.0 56.2 84.4#

39 160.4 29.4 44.0#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

300

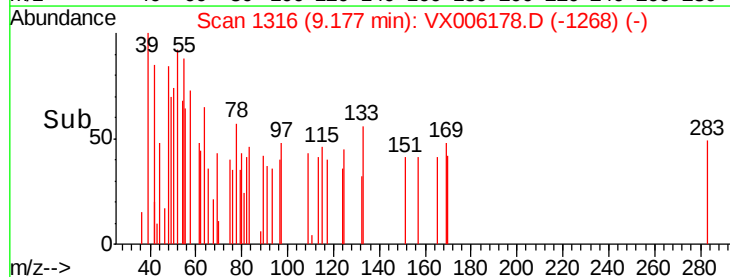
200

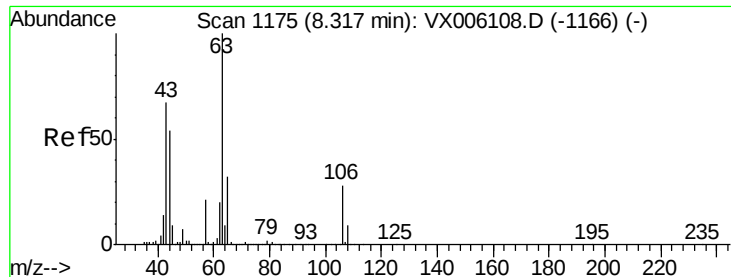
100

0

9.16 9.18 9.20

Time-->

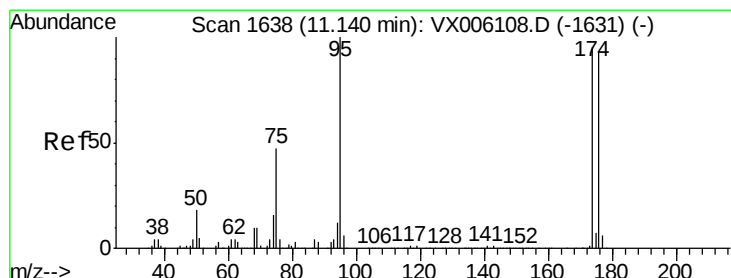
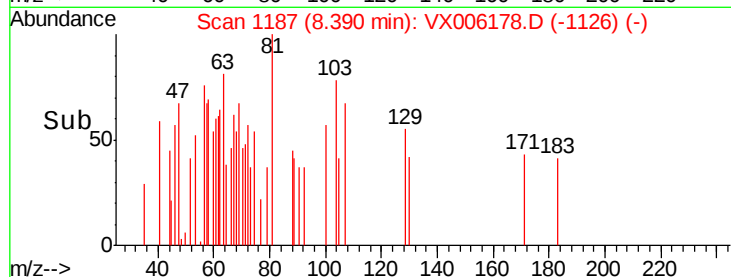
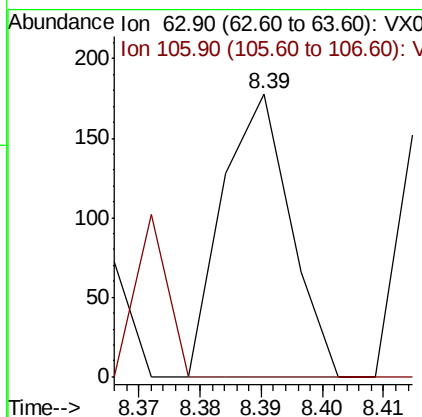
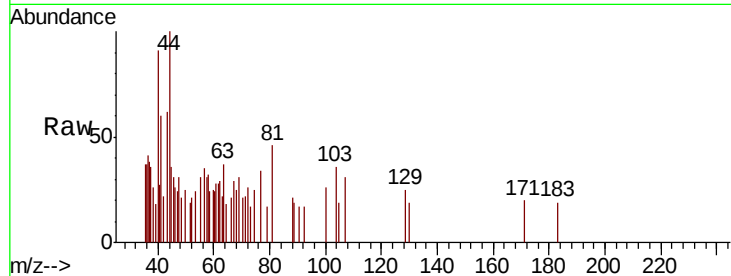




#58
 2-Chloroethyl Vinyl ether
 Concen: 6.766 ug/l
 RT: 8.39 min Scan# 1187
 Delta R.T. 0.07 min
 Lab File: VX006178.D
 Acq: 26 Nov 2018 16:31

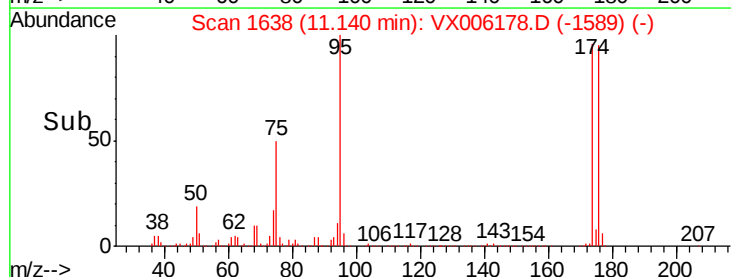
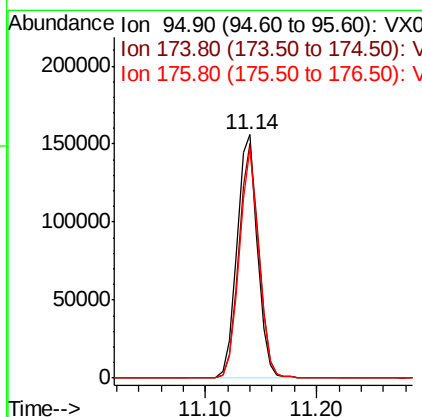
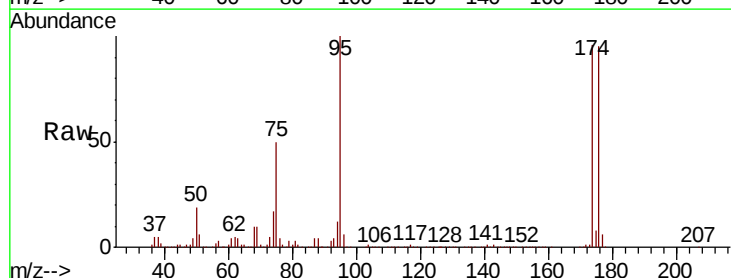
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-01

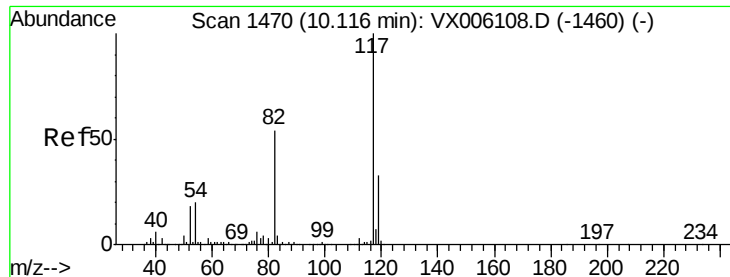
Tot Ion: 63 Resp: 136
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.7 32.5



#62
 4-Bromofluorobenzene
 Concen: 45.206 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX006178.D
 Acq: 26 Nov 2018 16:31

Tgt Ion: 95 Resp: 198897
 Ion Ratio Lower Upper
 95 100
 174 94.3 0.0 184.4
 176 90.3 0.0 179.0

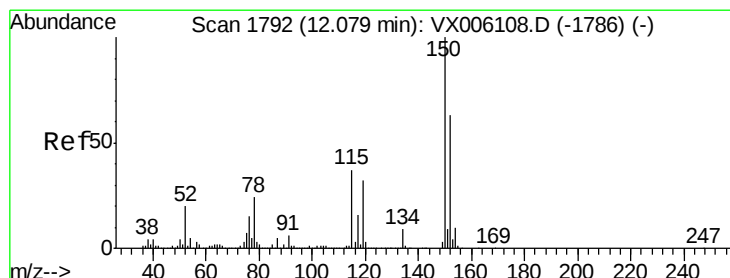
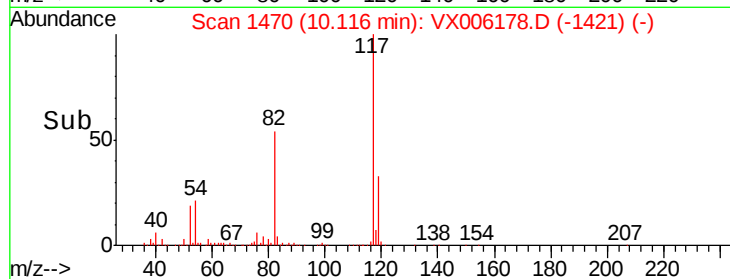
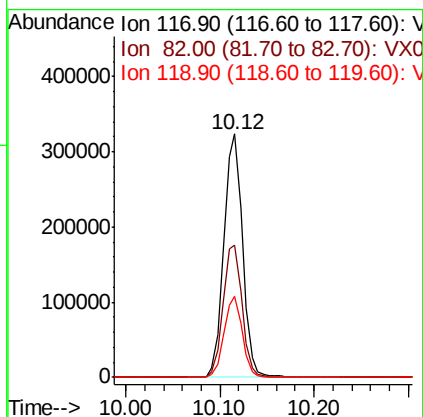
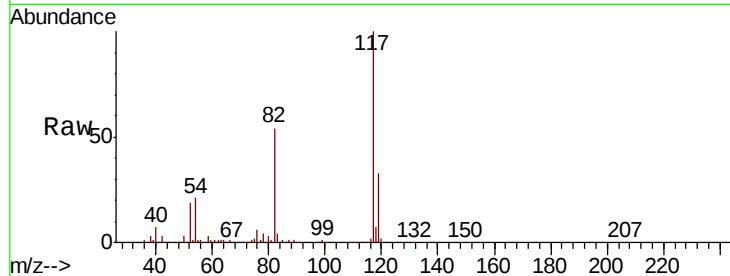




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006178.D
Acq: 26 Nov 2018 16:31

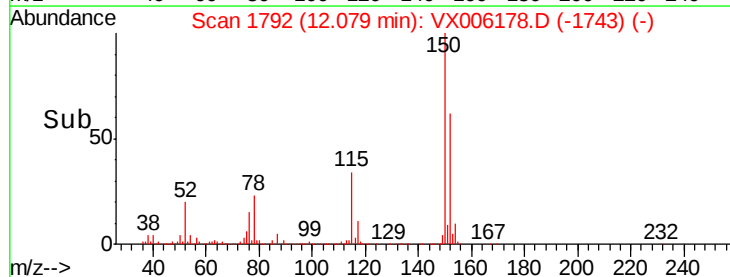
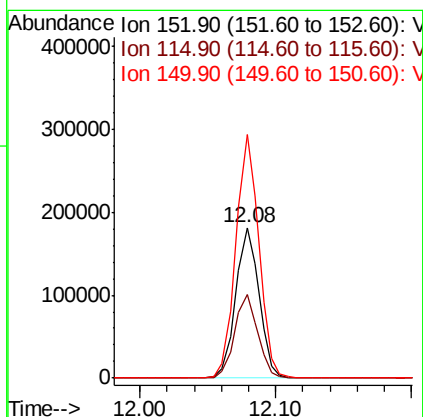
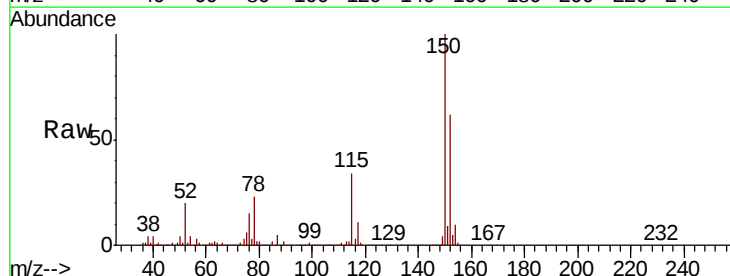
Instrument :
MSVOA_X
ClientSampleId :
DUP-01

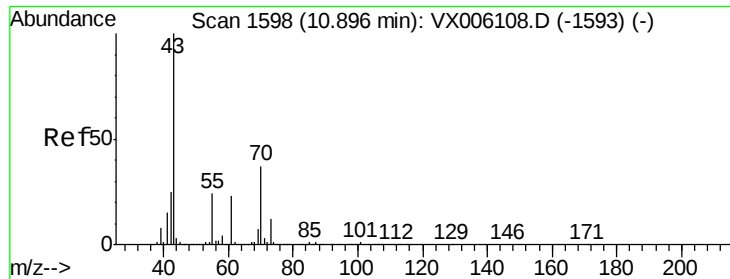
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.0	64.4
119	33.1	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006178.D
Acq: 26 Nov 2018 16:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	39.0	116.9
150	159.3	0.0	346.6





#74

N-amvl acetate

Concen: 2.239 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX006178.D

Acq: 26 Nov 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

DUP-01

Tot Ion: 43 Resp: 324

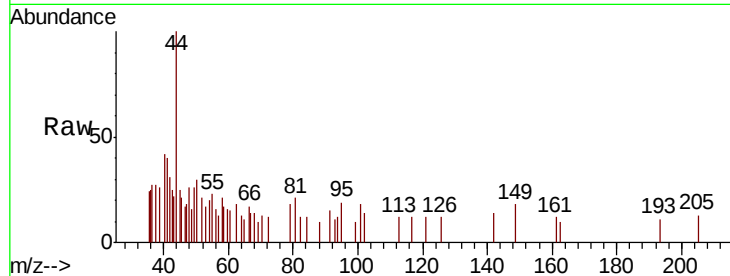
Ion Ratio Lower Upper

43 100

70 0.0 31.8 47.6#

55 45.1 19.5 29.3#

61 0.0 18.6 27.8#

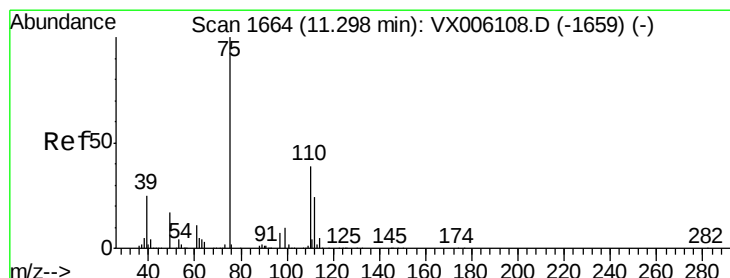
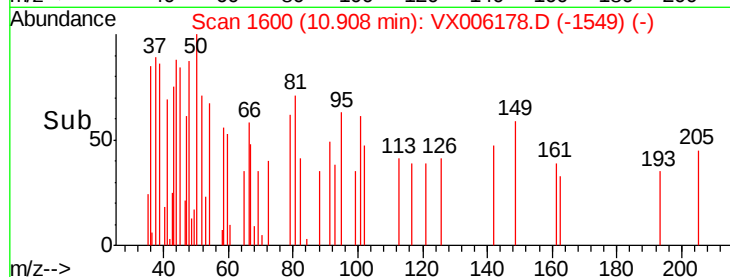
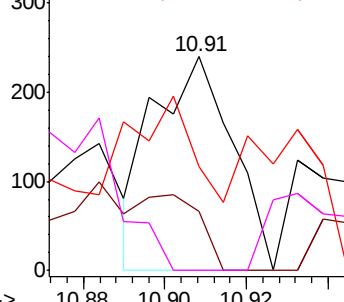


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.939 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006178.D

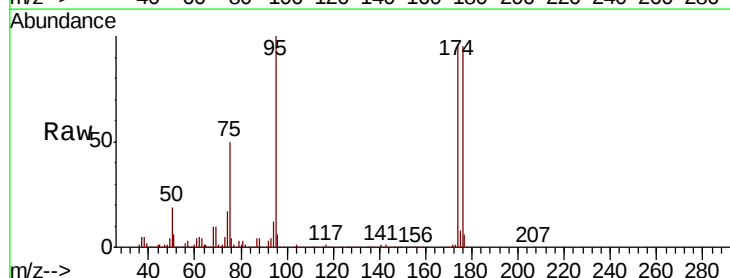
Acq: 26 Nov 2018 16:31

Tgt Ion: 75 Resp: 102599

Ion Ratio Lower Upper

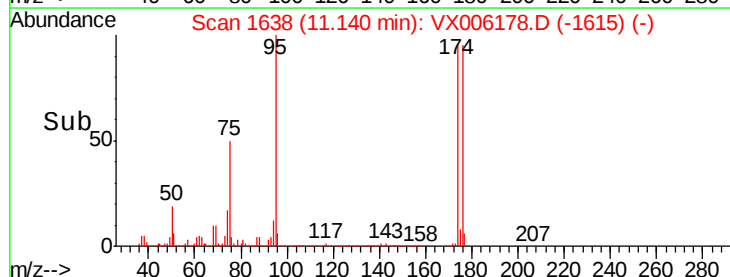
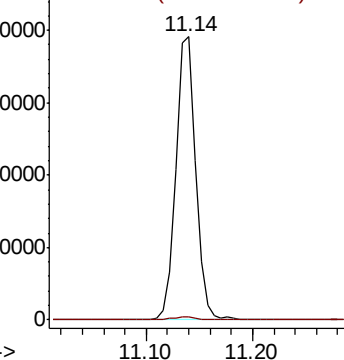
75 100

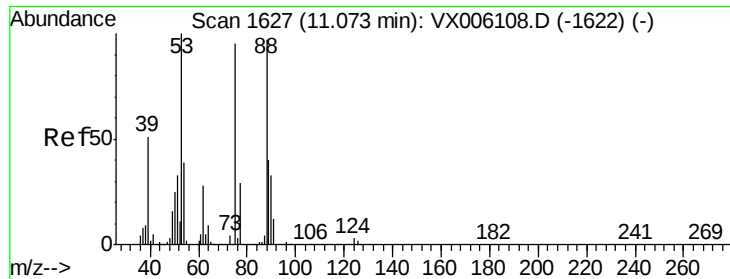
77 1.5 19.6 58.7#



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: 77.585 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006178.D

Acq: 26 Nov 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

DUP-01

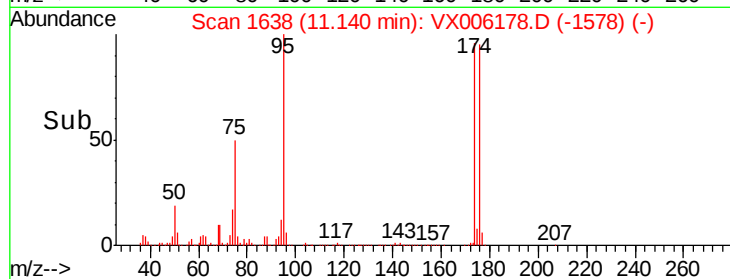
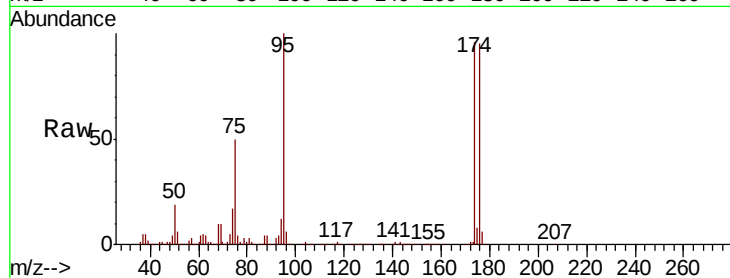
Tot Ion: 75 Resp: 102599

Ion Ratio Lower Upper

75 100

53 0.4 85.3 127.9#

89 0.1 37.2 55.8#



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

