

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000215.D
 Acq On : 08 Mar 2018 10:29
 Operator : JC/MD
 Sample : VX0308WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 08 15:49:20 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	24647	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	148995	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	140356	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	61361	32.17	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	107.23%
60) 4-Bromofluorobenzene	11.15	95	67076	29.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.37%
63) Toluene-d8	8.72	98	187053	31.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.70%

Target Compounds

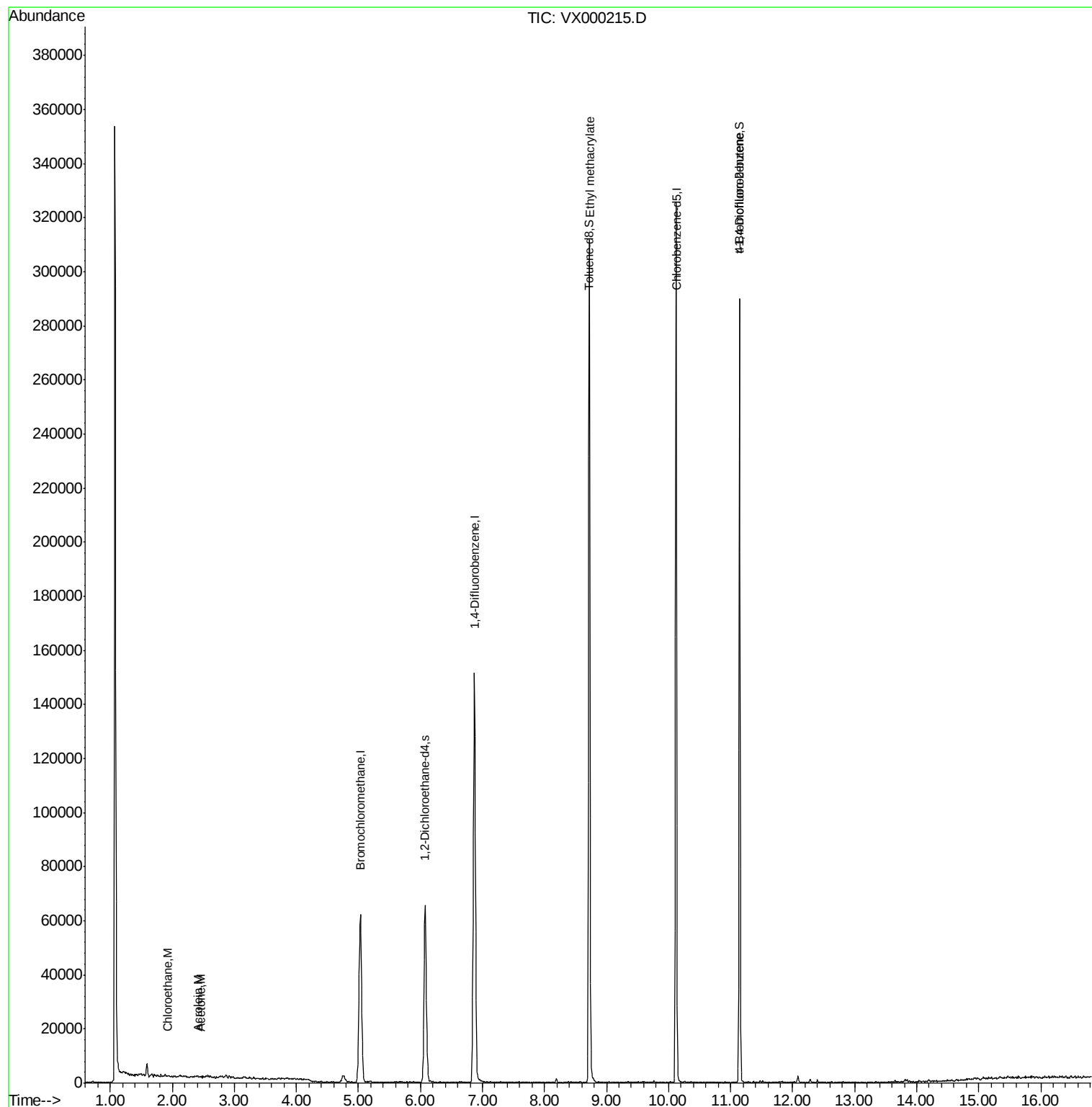
					Ovalue	
6) Chloroethane	1.93	64	266	0.228	ug/l	91
13) Acrolein	2.40	56	105	0.296	ug/l	88
15) Acetone	2.45	58	98	0.236	ug/l #	1
51) Ethyl methacrylate	8.73	69	605	0.224	ug/l #	52
77) t-1,4-Dichloro-2-butene	11.15	75	38085	40.670	ug/l #	11

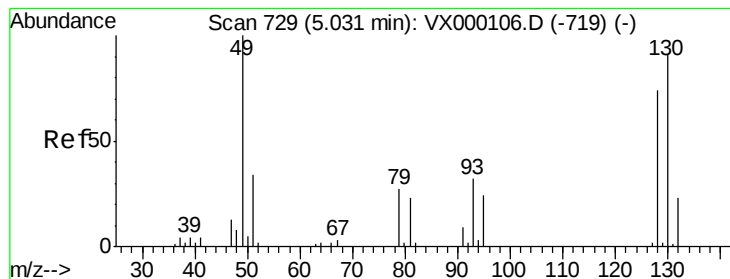
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 21 06:17:26 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.00 min

Lab File: VX000215.D

Acq: 08 Mar 2018 10:29

Instrument :

MSVOA_X

ClientSampled :

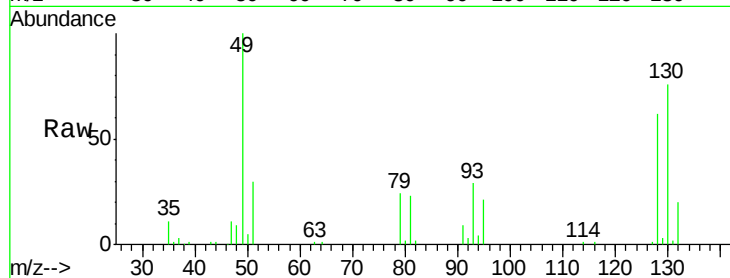
Tot Ion:128 Resp: 24647

Ion Ratio Lower Upper

128 100

49 159.2 0.0 378.3

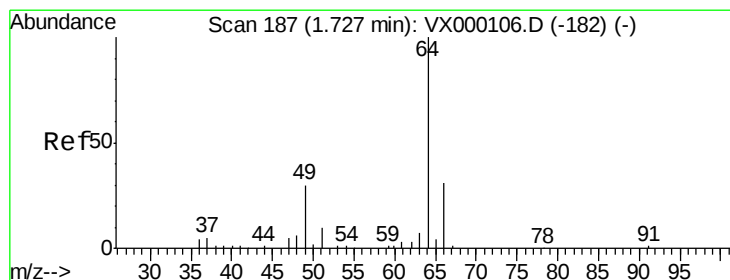
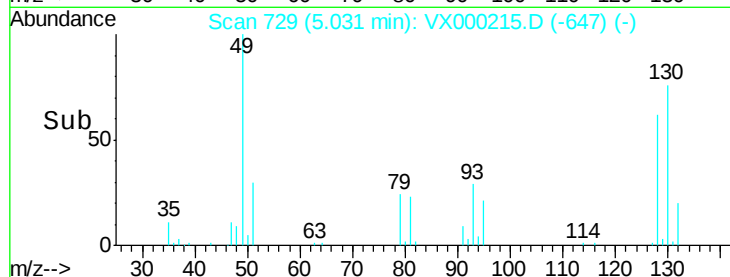
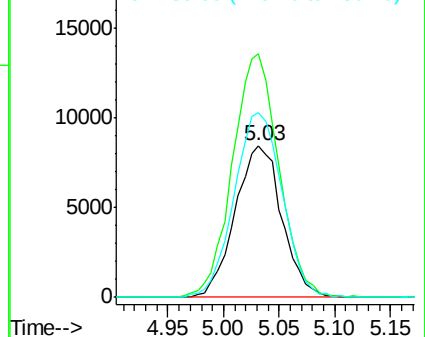
130 125.6 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#6

Chloroethane

Concen: 0.228 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.20 min

Lab File: VX000215.D

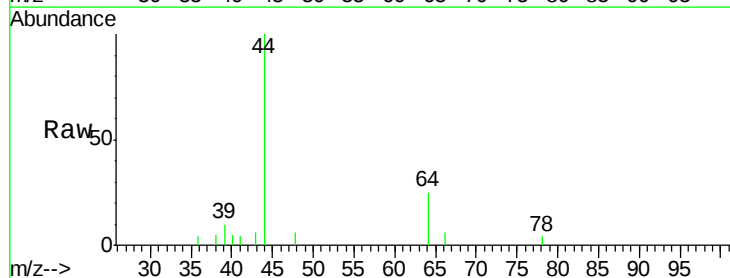
Acq: 08 Mar 2018 10:29

Tgt Ion: 64 Resp: 266

Ion Ratio Lower Upper

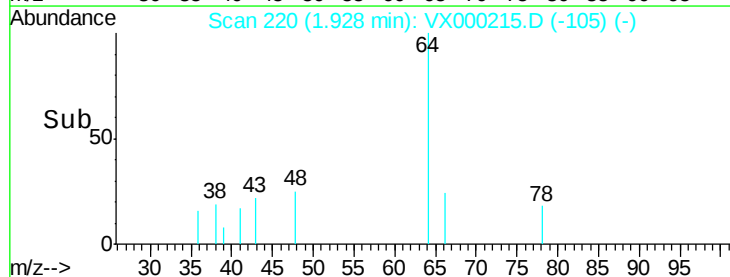
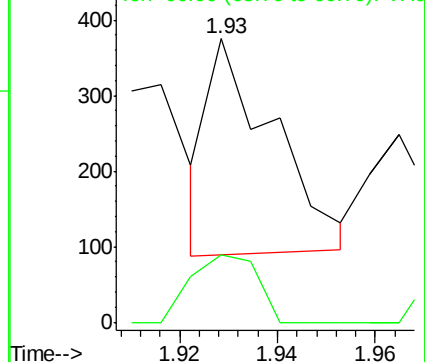
64 100

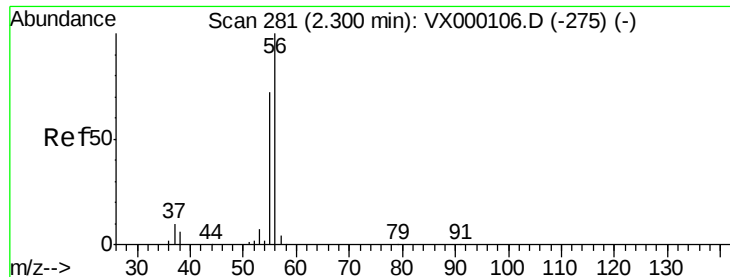
66 36.6 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#13

Acrolein

Concen: 0.296 ug/l

RT: 2.40 min Scan# 298

Delta R.T. 0.10 min

Lab File: VX000215.D

Acq: 08 Mar 2018 10:29

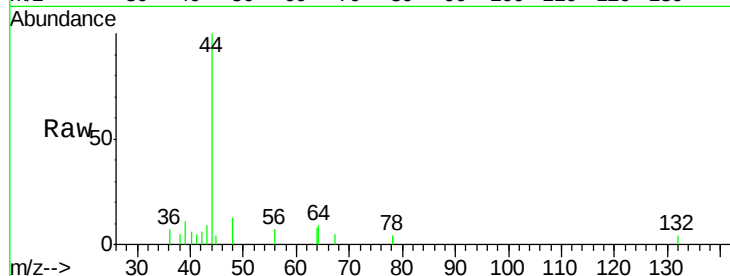
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 105

Ion Ratio Lower Upper

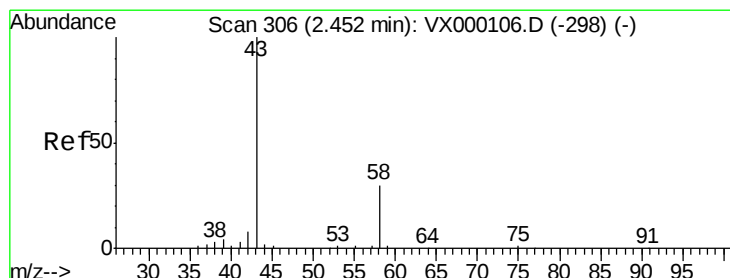
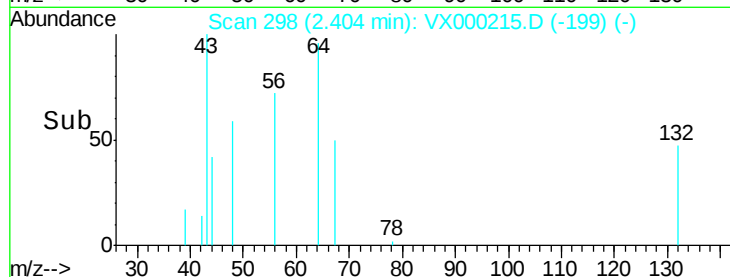
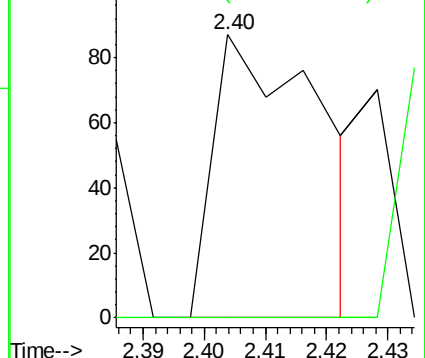
56 100

55 61.9 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acetone

Concen: 0.236 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000215.D

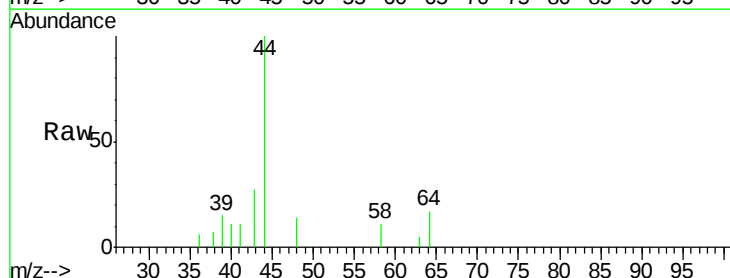
Acq: 08 Mar 2018 10:29

Tgt Ion: 58 Resp: 98

Ion Ratio Lower Upper

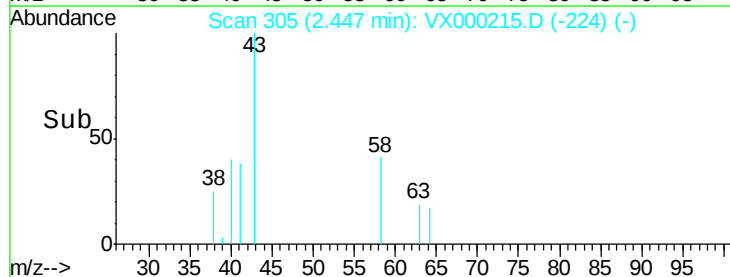
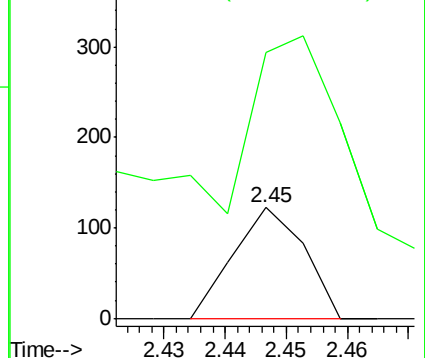
58 100

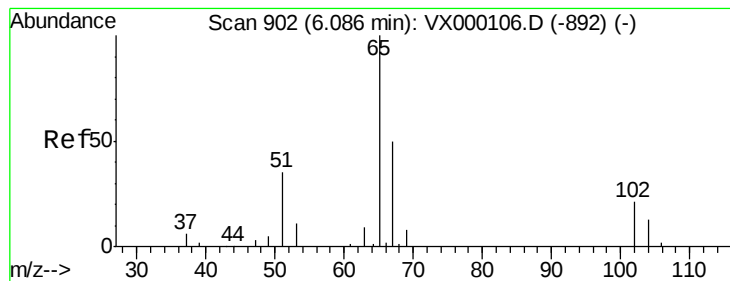
43 111.5 264.6 396.8#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 32.168 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000215.D

Acq: 08 Mar 2018 10:29

Instrument :

MSVOA_X

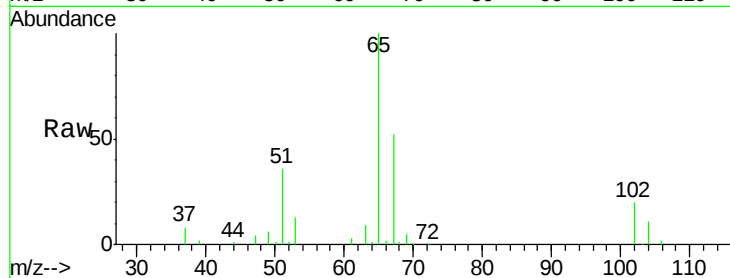
ClientSampleId :

Tot Ion: 65 Resp: 61361

Ion Ratio Lower Upper

65 100

67 51.8 41.4 62.2



Abundance Ion 65.00 (64.70 to 65.70): VX000215.D (-820) (-)

Ion 67.00 (66.70 to 67.70): VX000215.D (-820) (-)

6.07

25000

20000

15000

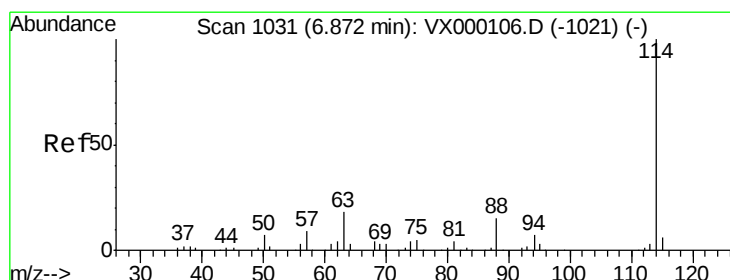
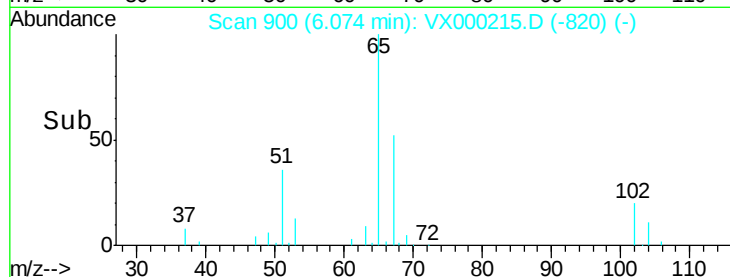
10000

5000

0

6.00 6.10 6.20

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000215.D

Acq: 08 Mar 2018 10:29

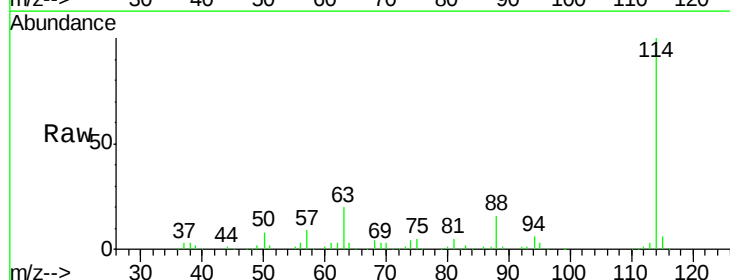
Tgt Ion: 114 Resp: 148995

Ion Ratio Lower Upper

114 100

63 19.9 15.0 22.4

88 14.8 11.8 17.8



Abundance Ion 114.00 (113.70 to 114.70): VX000215.D (-949) (-)

Ion 63.00 (62.70 to 63.70): VX000215.D (-949) (-)

Ion 88.00 (87.70 to 88.70): VX000215.D (-949) (-)

6.87

80000

60000

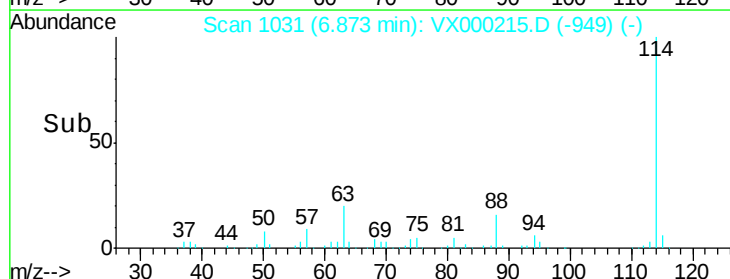
40000

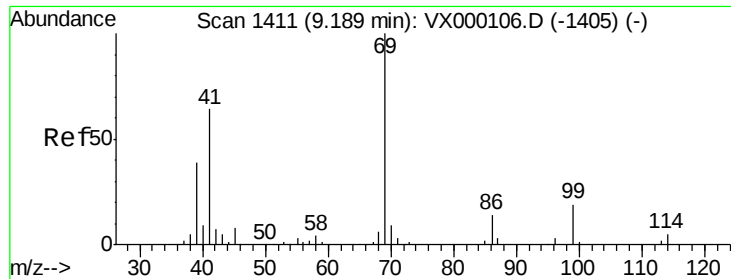
20000

0

6.80 6.85 6.90 6.95

Time-->





#51

Ethyl methacrylate

Concen: 0.224 ug/l

RT: 8.73 min Scan# 1336

Delta R.T. -0.46 min

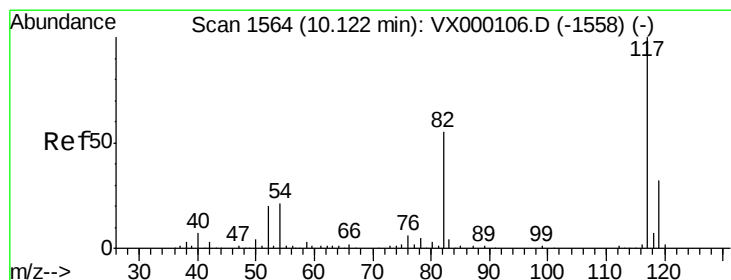
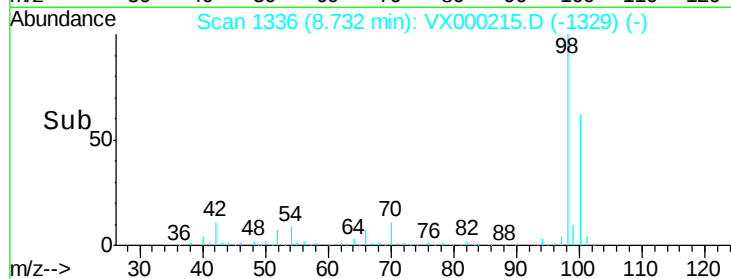
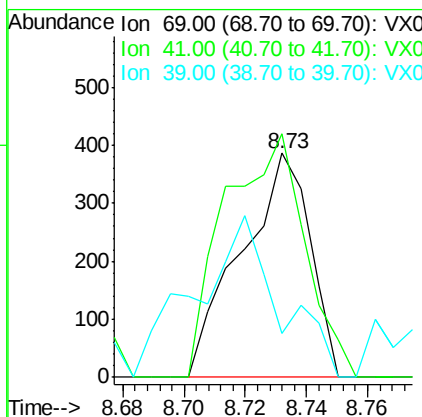
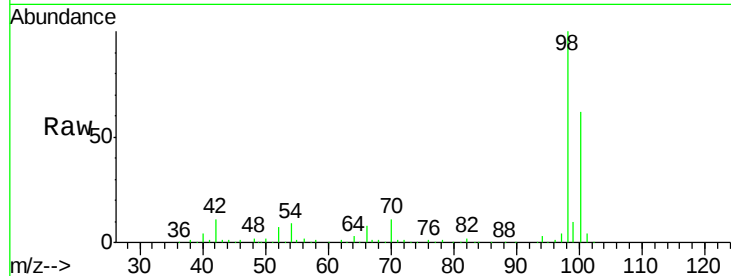
Lab File: VX000215.D

Acq: 08 Mar 2018 10:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 69 Resp: 605

Ion	Ratio	Lower	Upper
69	100		
41	108.8	32.1	96.3#
39	19.4	19.6	58.7#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.12 min Scan# 1564

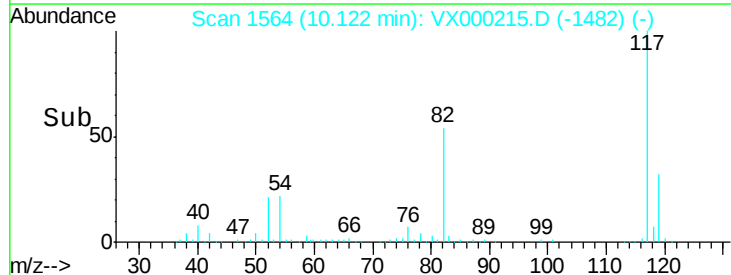
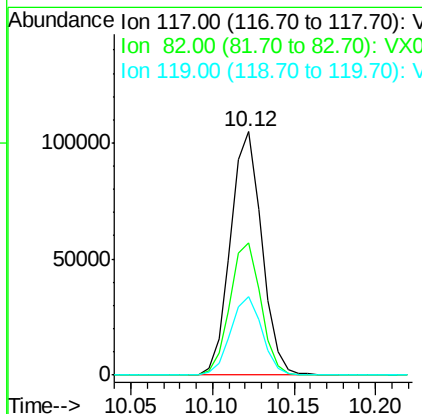
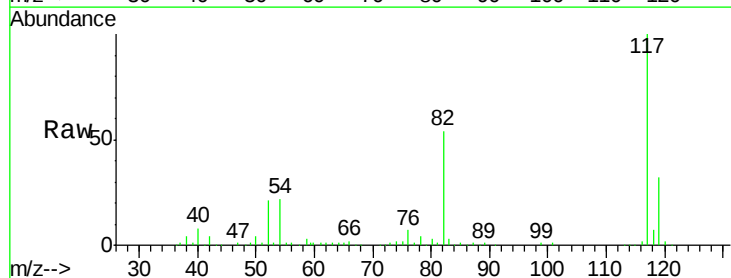
Delta R.T. 0.00 min

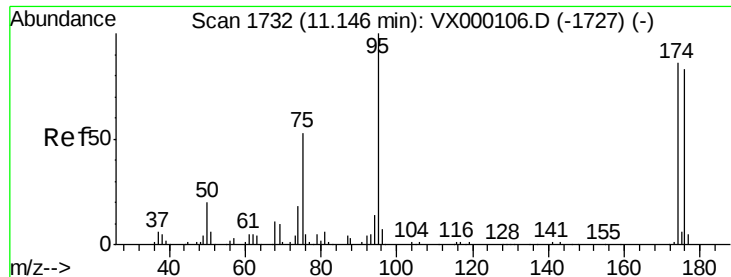
Lab File: VX000215.D

Acq: 08 Mar 2018 10:29

Tgt Ion: 117 Resp: 140356

Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.0	64.4
119	32.1	25.8	38.8

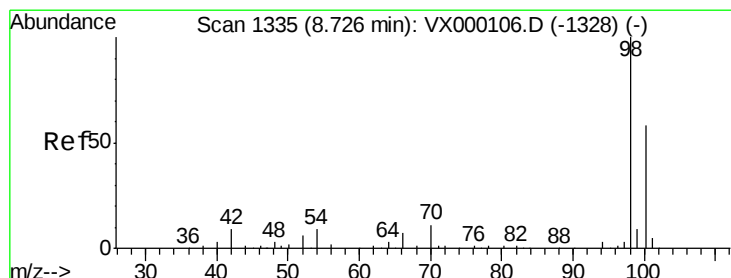
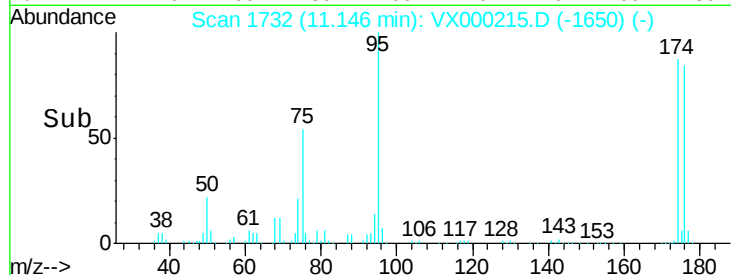
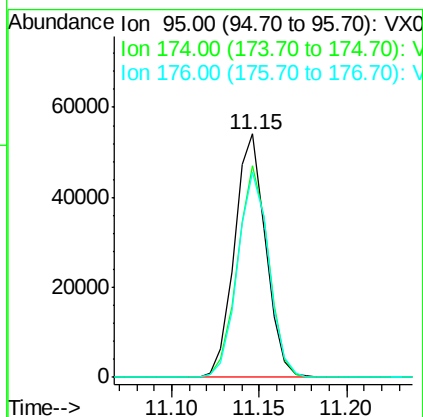
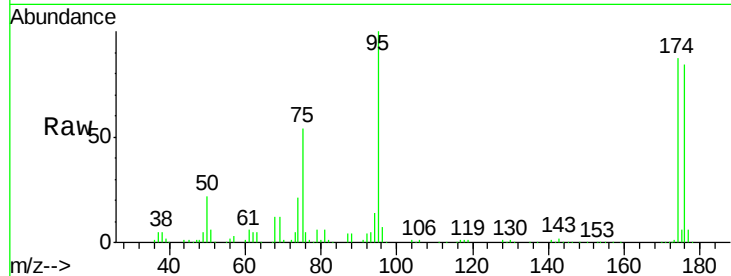




#60
4-Bromofluorobenzene
Concen: 29.212 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000215.D
Acq: 08 Mar 2018 10:29

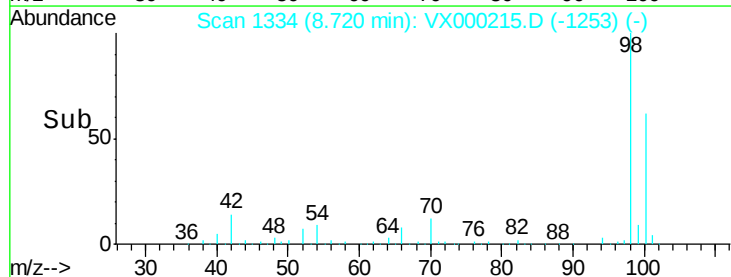
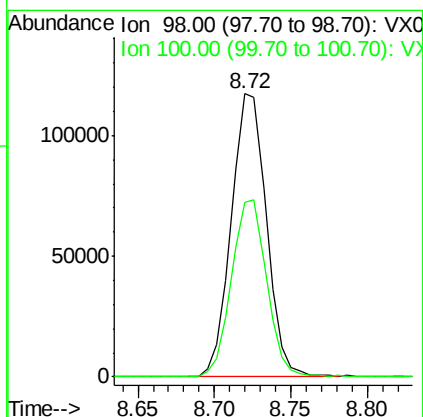
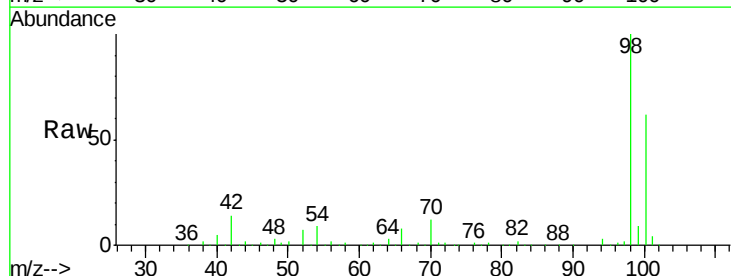
Instrument :
MSVOA_X
ClientSampleId :

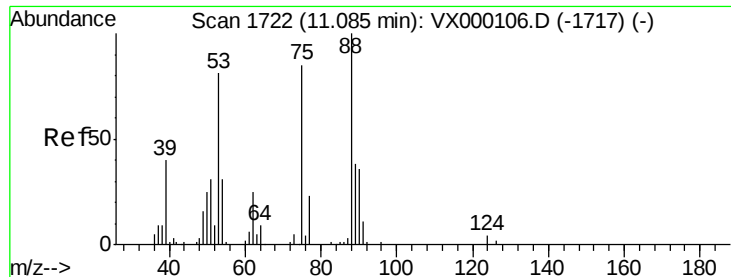
Tot Ion: 95 Resp: 67076
Ion Ratio Lower Upper
95 100
174 86.5 71.1 106.7
176 84.2 69.3 103.9



#63
Toluene-d8
Concen: 31.113 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000215.D
Acq: 08 Mar 2018 10:29

Tgt Ion: 98 Resp: 187053
Ion Ratio Lower Upper
98 100
100 62.5 50.0 75.0

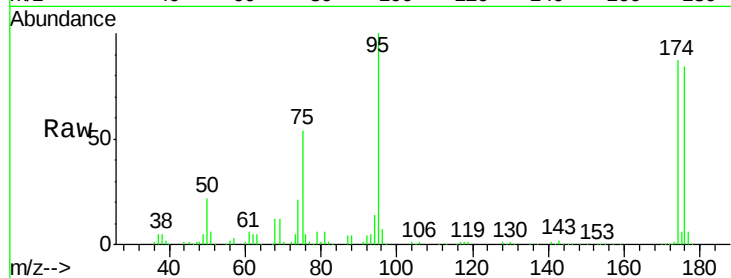




#77
t-1,4-Dichloro-2-butene
Concen: 40.670 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.06 min
Lab File: VX000215.D
Acq: 08 Mar 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 38085
Ion Ratio Lower Upper
75 100
53 0.0 47.8 143.3#
89 0.0 22.3 66.8#



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0

