

Data File : VX015235.D
Acq On : 12 Mar 2020 15:11
Operator : JC/SP
Sample : VX0312WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBL02

Quant Time: Mar 13 03:36:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X031220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 12 14:12:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	47983	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.84	114	252847	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	226470	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.04	65	95507	29.51	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.37%
60) 4-Bromofluorobenzene	11.13	95	106629	29.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.60%
63) Toluene-d8	8.71	98	299182	30.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.80%

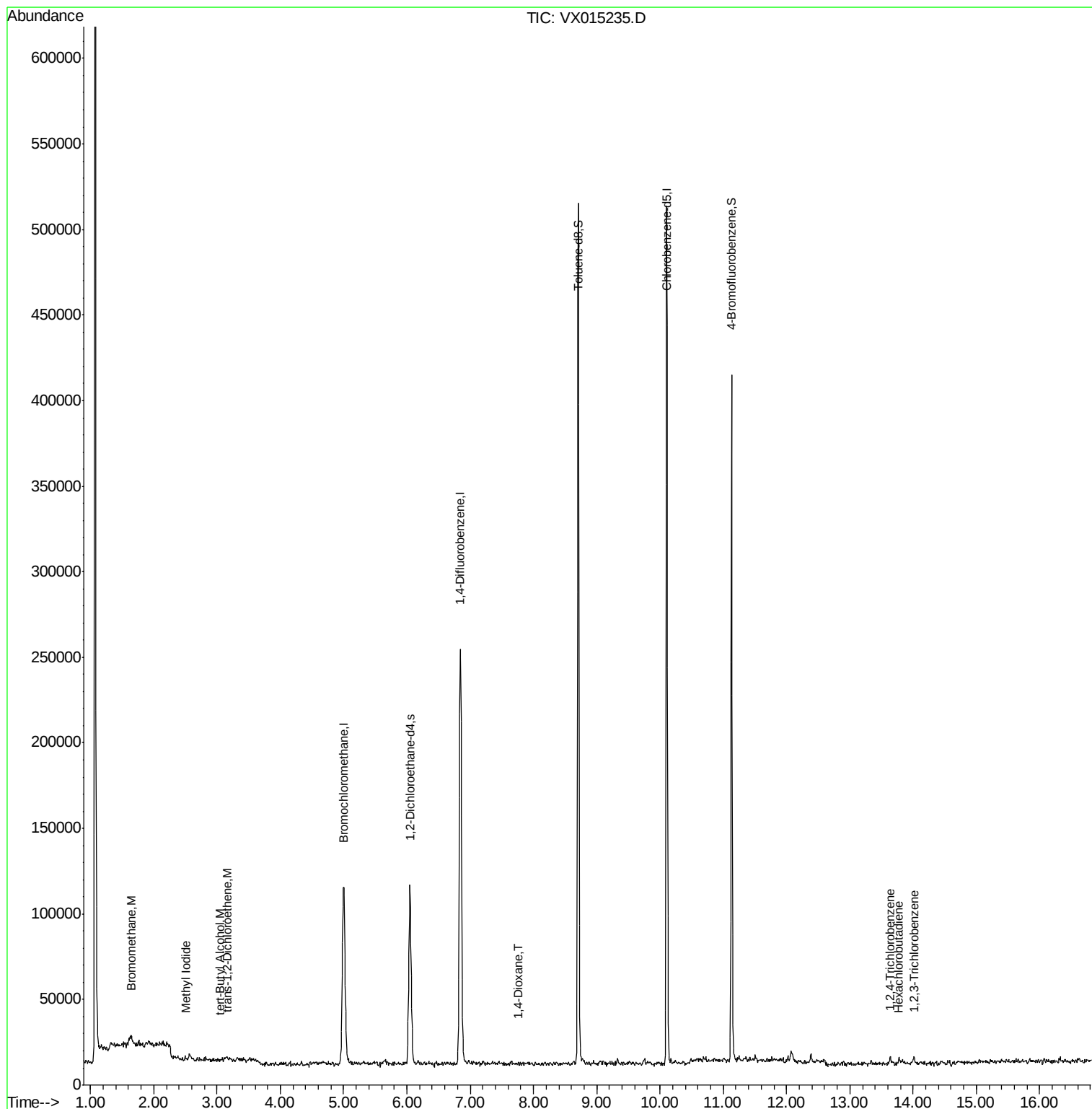
Target Compounds					Qvalue
5) Bromomethane	1.65	94	1462	0.633 ug/l	99
11) Methyl Iodide	2.51	142	1809	0.629 ug/l	94
19) trans-1,2-Dichloroethene	3.16	96	639	0.212 ug/l #	66
23) tert-Butyl Alcohol	3.05	59	138	0.221 ug/l #	1
45) 1,4-Dioxane	7.77	88	56	0.855 ug/l #	1
89) 1,2,4-Trichlorobenzene	13.65	180	1104	0.243 ug/l #	88
90) Hexachlorobutadiene	13.78	225	507	0.217 ug/l	96
92) 1,2,3-Trichlorobenzene	14.02	180	932	0.204 ug/l	94

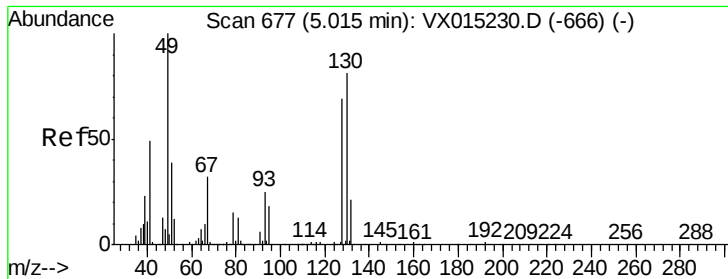
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.01 min

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Acq: 12 Mar 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBL02

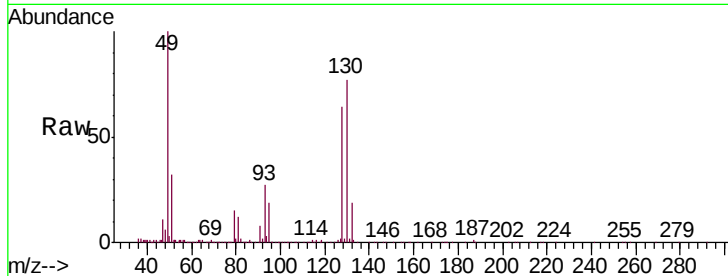
Tgt Ion:128 Resp: 47983

Ion Ratio Lower Upper

128 100

49 161.1 0.0 406.8

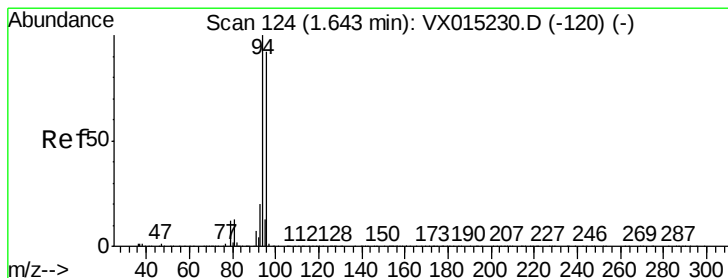
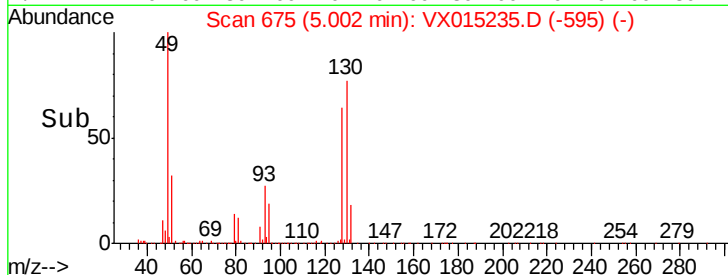
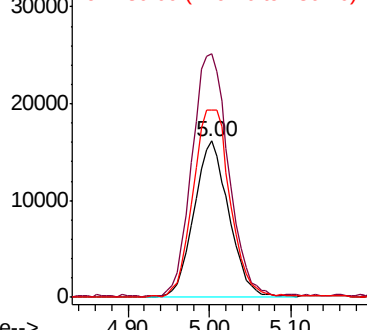
130 127.4 0.0 319.3



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



#5

Bromomethane

Concen: 0.633 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX015235.D

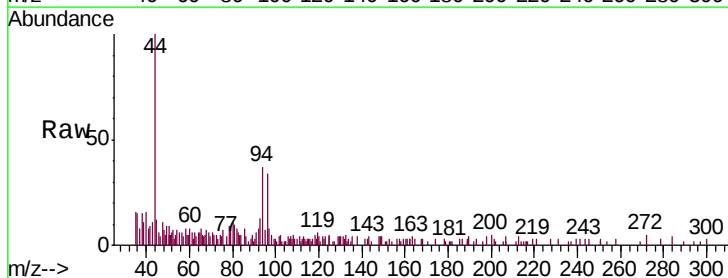
Acq: 12 Mar 2020 15:11

Tgt Ion: 94 Resp: 1462

Ion Ratio Lower Upper

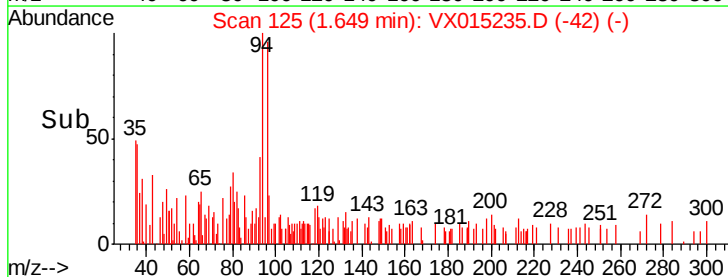
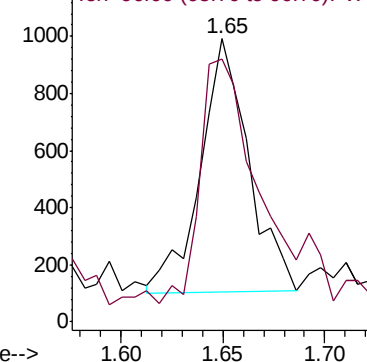
94 100

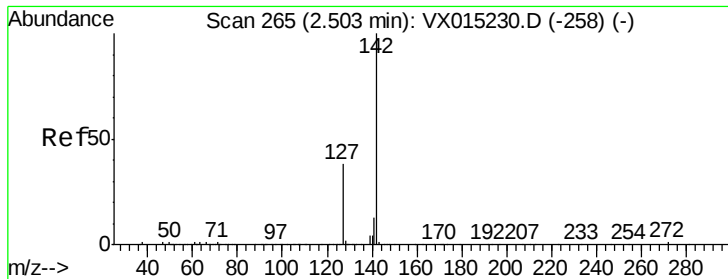
96 91.9 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

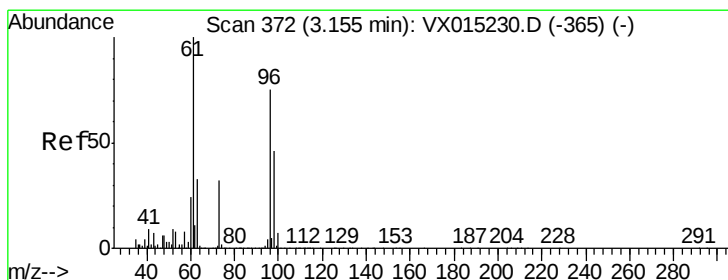
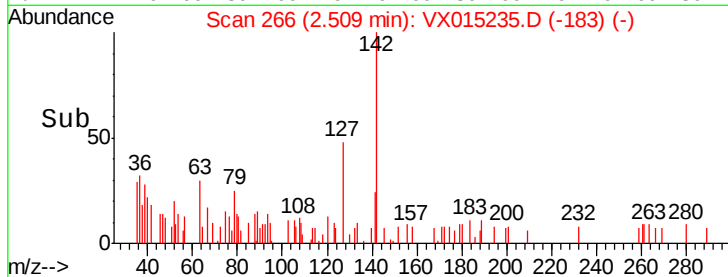
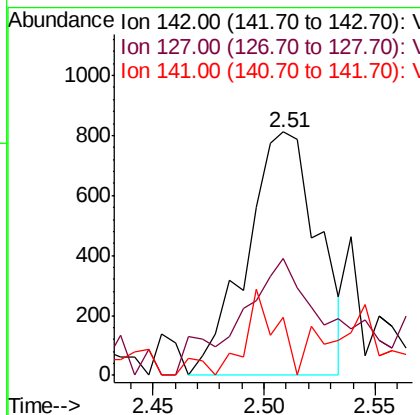
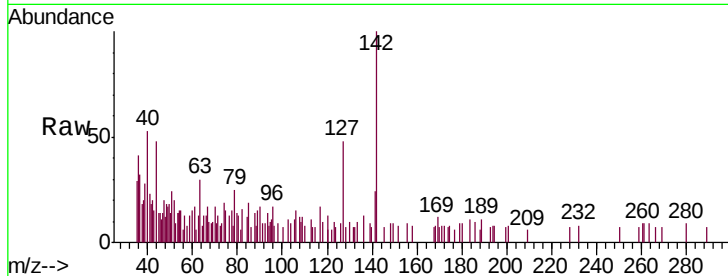




#11
Methyl Iodide
Concen: 0.629 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX015235.D
Acq: 12 Mar 2020 15:11

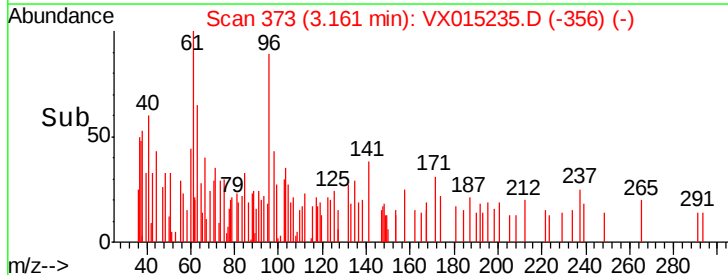
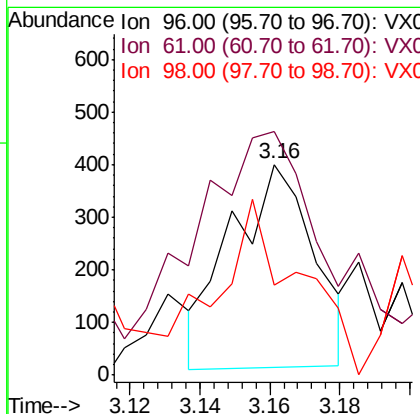
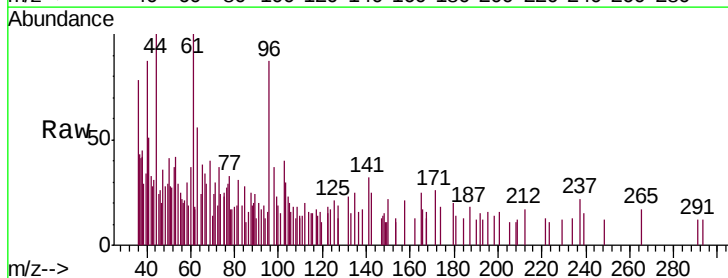
Instrument :
MSVOA_X
ClientSampled :
VX0312WBL02

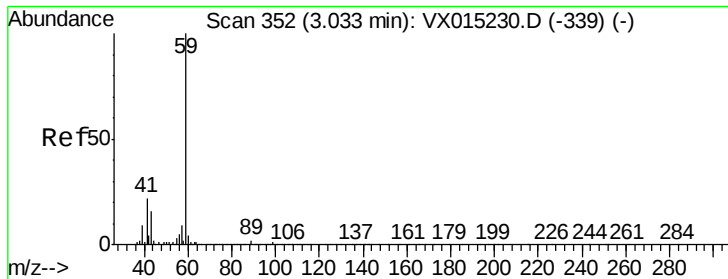
Tgt Ion	Ratio	Lower	Upper
142	100		
127	34.3	18.9	56.9
141	15.4	6.6	19.7



#19
trans-1,2-Dichloroethene
Concen: 0.212 ug/l
RT: 3.16 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX015235.D
Acq: 12 Mar 2020 15:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	106.1	106.3	159.5#
98	15.5	49.1	73.7#





#23

tert-Butyl Alcohol

Concen: 0.221 ug/l

RT: 3.05 min Scan# 354

Delta R.T. 0.01 min

Lab File: VX015235.D

Acq: 12 Mar 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

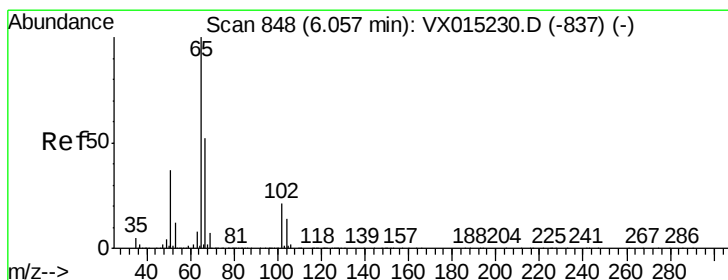
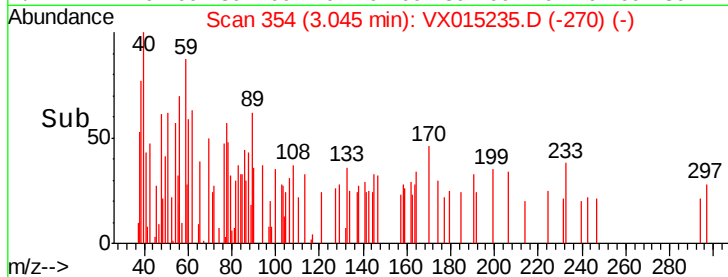
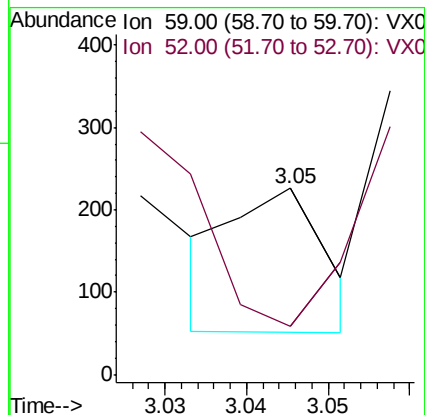
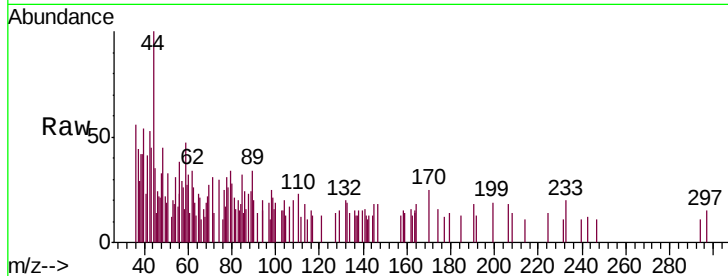
VX0312WBL02

Tgt Ion: 59 Resp: 138

Ion Ratio Lower Upper

59 100

52 180.4 0.4 0.6#



#27

1,2-Dichloroethane-d4

Concen: 29.506 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX015235.D

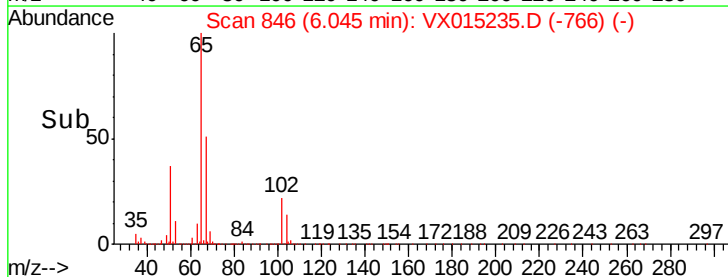
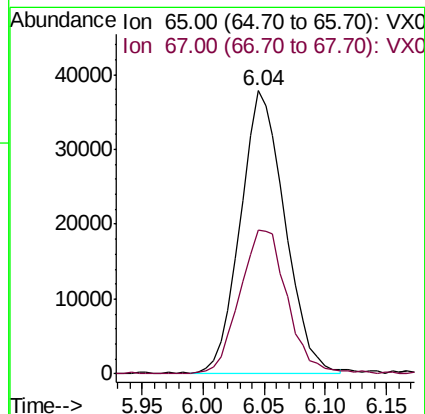
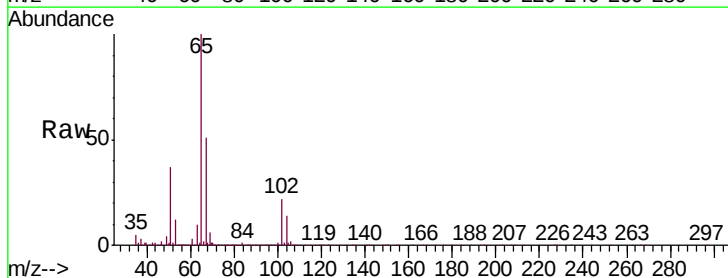
Acq: 12 Mar 2020 15:11

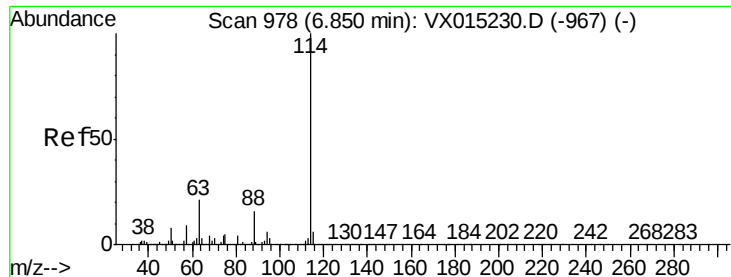
Tgt Ion: 65 Resp: 95507

Ion Ratio Lower Upper

65 100

67 53.7 43.5 65.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX015235.D

Acq: 12 Mar 2020 15:11

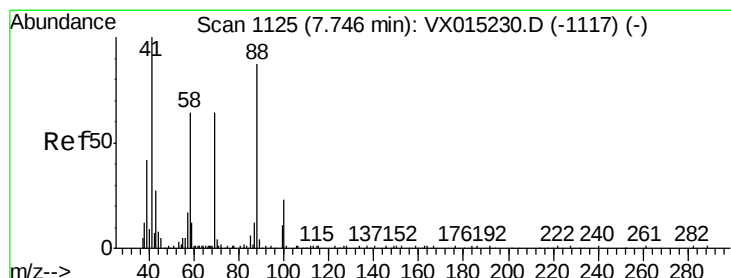
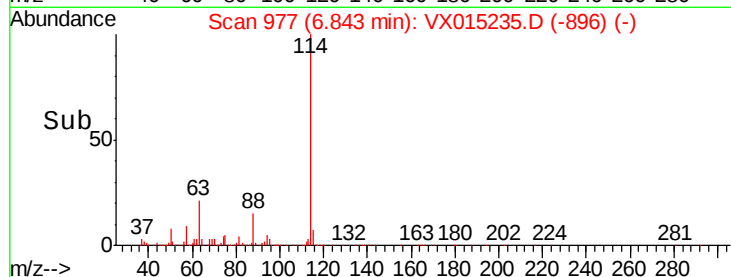
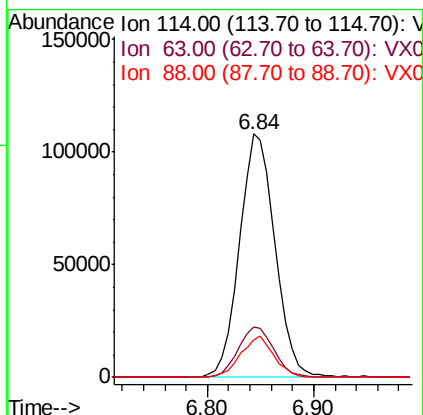
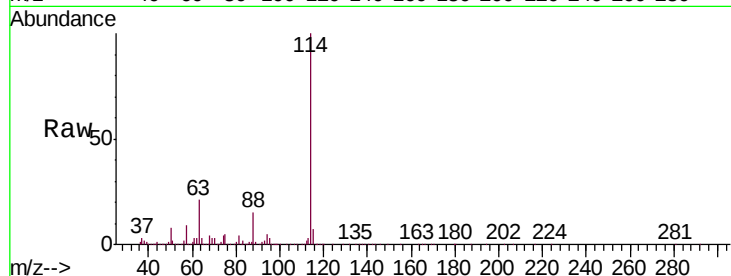
Instrument :

MSVOA_X

ClientSampleId :

VX0312WBL02

Tgt Ion:	114	Resp:	252847
Ion	Ratio	Lower	Upper
114	100		
63	20.9	16.6	24.8
88	15.8	12.6	19.0



#45

1,4-Dioxane

Concen: 0.855 ug/l

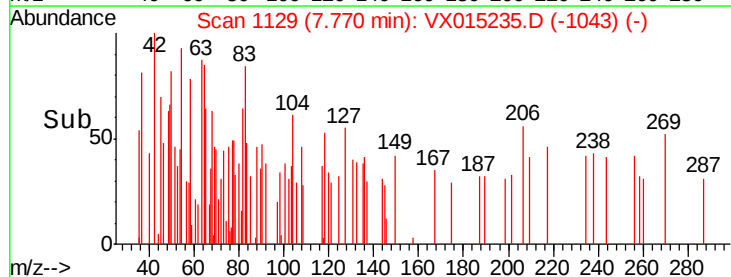
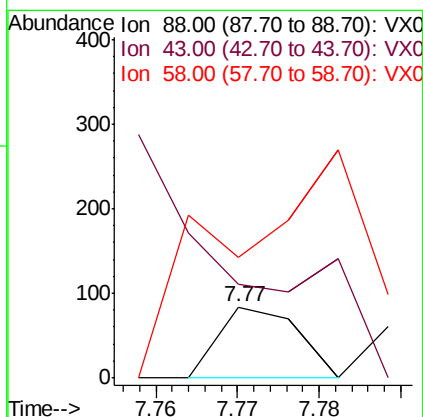
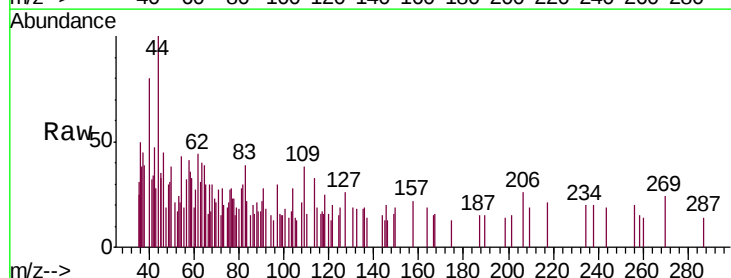
RT: 7.77 min Scan# 1129

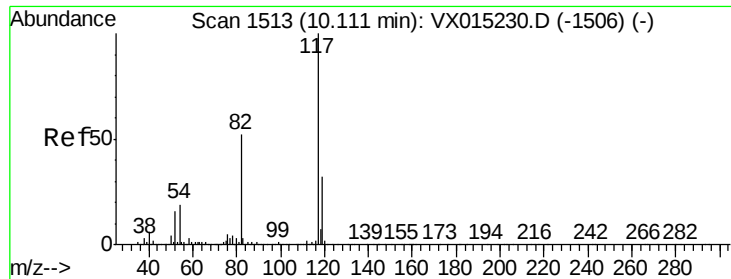
Delta R.T. 0.02 min

Lab File: VX015235.D

Acq: 12 Mar 2020 15:11

Tgt Ion:	88	Resp:	56
Ion	Ratio	Lower	Upper
88	100		
43	289.3	26.4	39.6#
58	217.9	57.3	85.9#

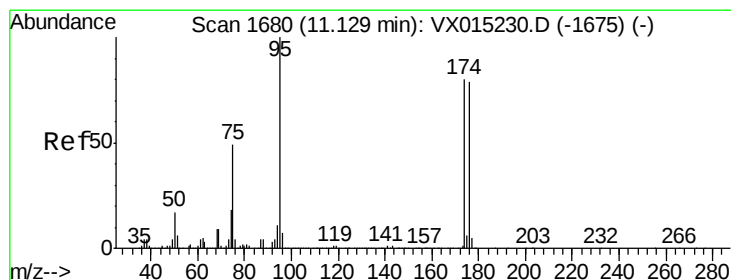
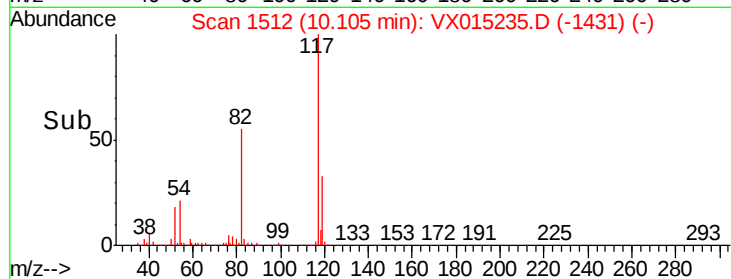
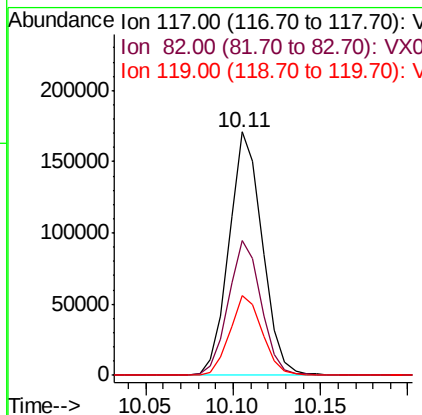
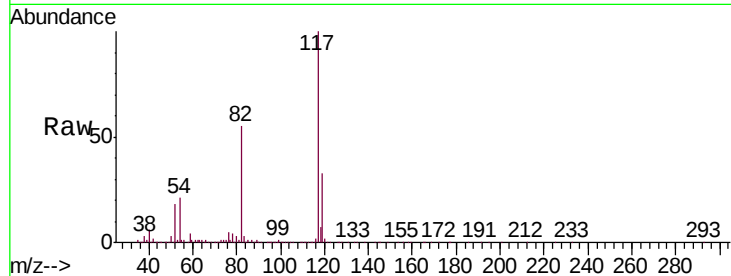




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015235.D
Acq: 12 Mar 2020 15:11

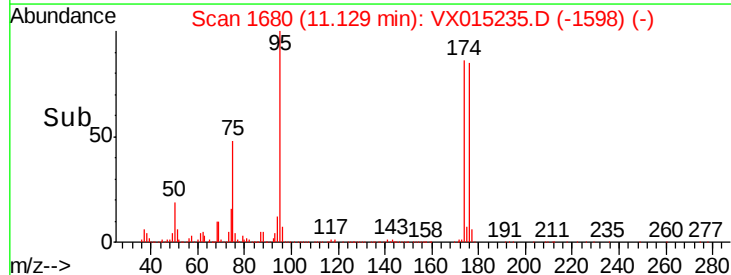
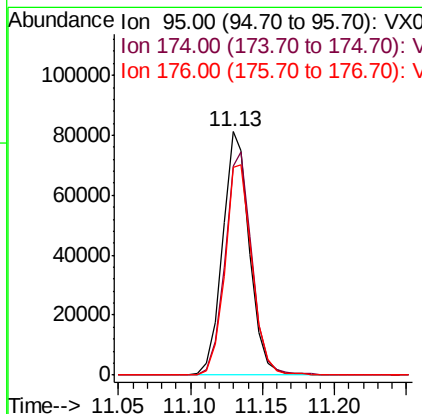
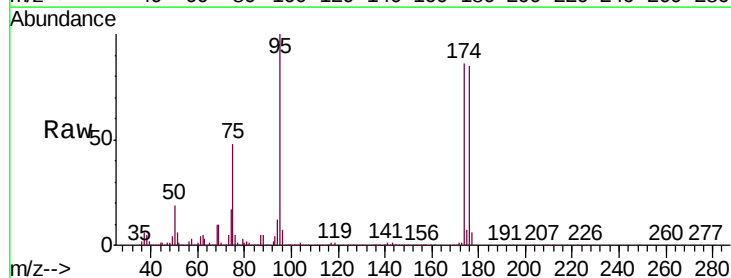
Instrument :
MSVOA_X
ClientSampleId :
VX0312WBL02

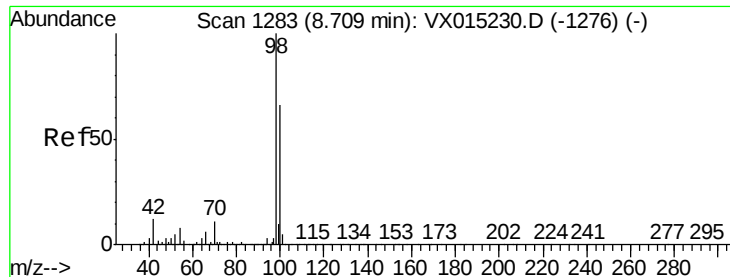
Tgt Ion:117 Resp: 226470
Ion Ratio Lower Upper
117 100
82 54.7 43.2 64.8
119 32.5 25.8 38.8



#60
4-Bromofluorobenzene
Concen: 29.577 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015235.D
Acq: 12 Mar 2020 15:11

Tgt Ion: 95 Resp: 106629
Ion Ratio Lower Upper
95 100
174 91.0 72.0 108.0
176 87.3 70.1 105.1





#63

Toluene-d8

Concen: 30.841 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015235.D

Acq: 12 Mar 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

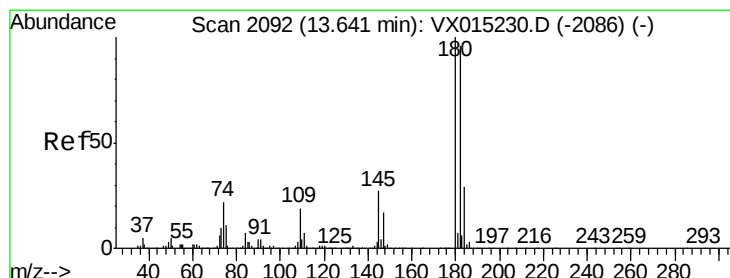
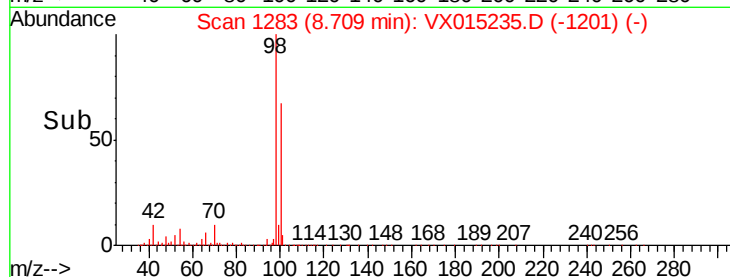
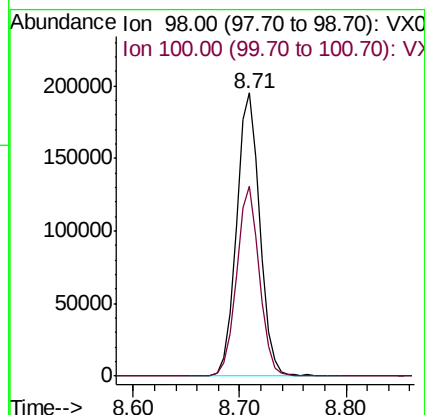
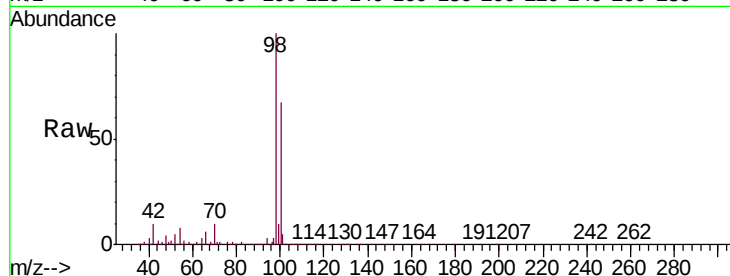
VX0312WBL02

Tgt Ion: 98 Resp: 299182

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.4



#89

1,2,4-Trichlorobenzene

Concen: 0.243 ug/l

RT: 13.65 min Scan# 2093

Delta R.T. 0.01 min

Lab File: VX015235.D

Acq: 12 Mar 2020 15:11

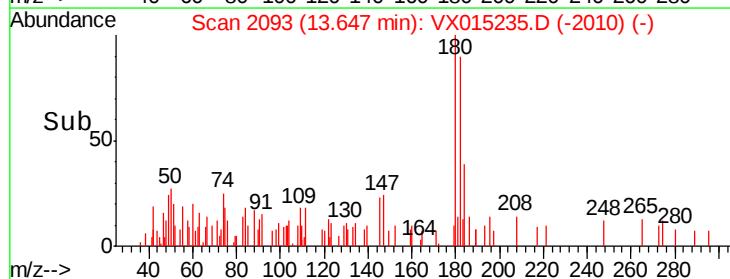
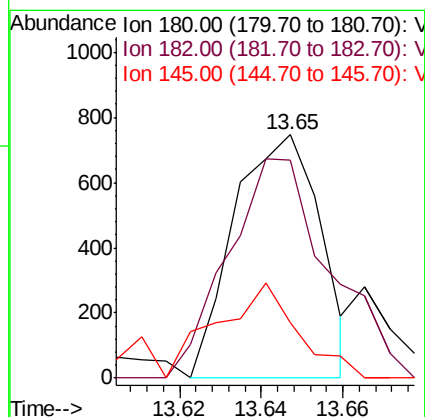
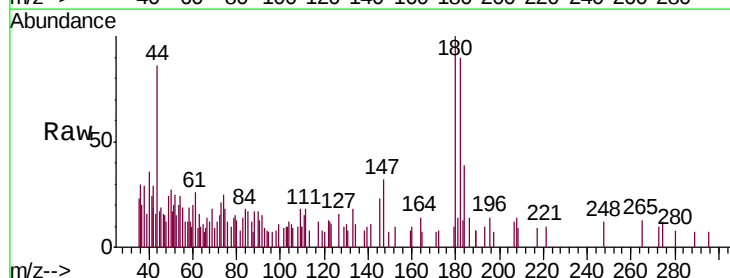
Tgt Ion: 180 Resp: 1104

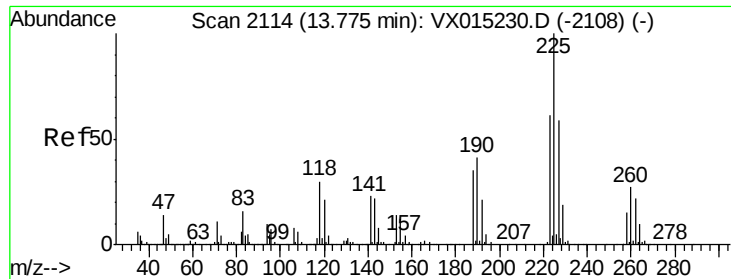
Ion Ratio Lower Upper

180 100

182 106.3 76.6 115.0

145 36.2 22.7 34.1#





#90

Hexachlorobutadiene

Concen: 0.217 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX015235.D

Acq: 12 Mar 2020 15:11

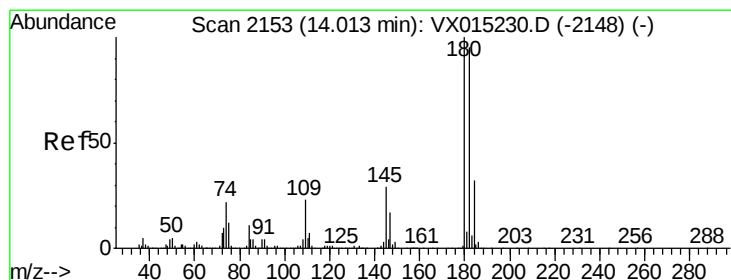
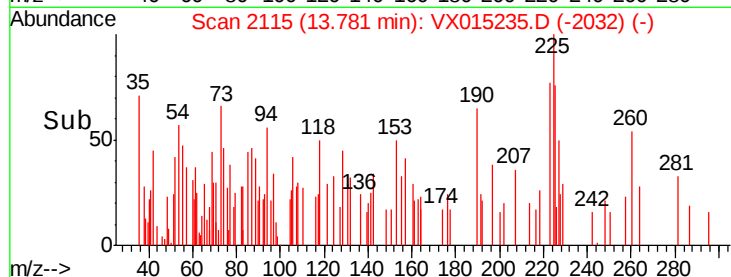
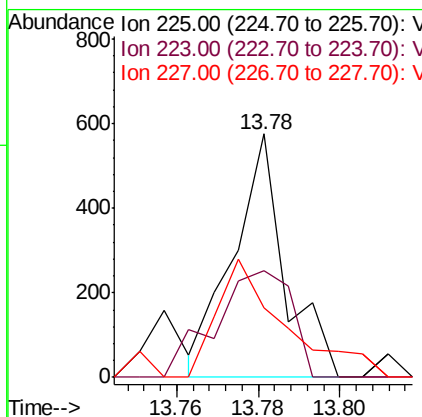
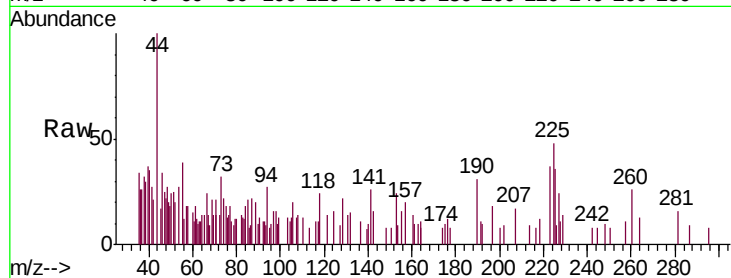
Instrument :

MSVOA_X

ClientSampleId :

VX0312WBL02

Tgt Ion:	225	Resp:	507
Ion	Ratio	Lower	Upper
225	100		
223	65.1	0.0	125.0
227	59.8	0.0	126.2



#92

1,2,3-Trichlorobenzene

Concen: 0.204 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX015235.D

Acq: 12 Mar 2020 15:11

Tgt Ion:	180	Resp:	932
Ion	Ratio	Lower	Upper
180	100		
182	101.2	0.0	192.0
145	34.7	0.0	60.0

