

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040219\
 Data File : VX008594.D
 Acq On : 02 Apr 2019 14:23
 Operator : JC/SP
 Sample : K2187-07RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TBRE

Quant Time: Apr 03 03:32:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	35563	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	206034	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	176227	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	91208	30.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.20%
60) 4-Bromofluorobenzene	11.13	95	85027	27.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.30%
63) Toluene-d8	8.71	98	256916	30.71	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.37%

Target Compounds

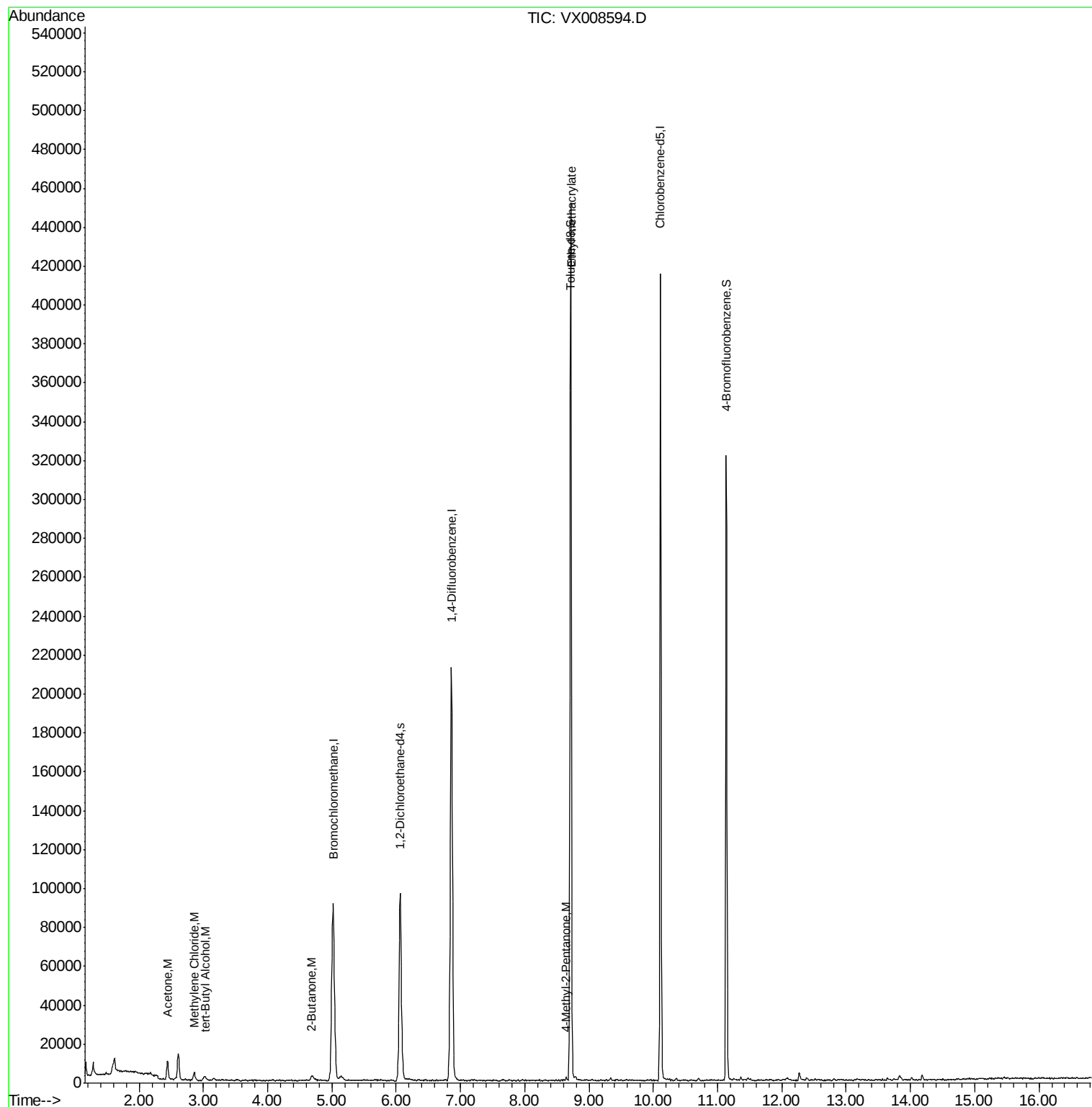
					Ovalue
15) Acetone	2.44	58	3317	6.374	ug/l 90
18) Methylene Chloride	2.86	84	1691	0.628	ug/l # 86
23) tert-Butyl Alcohol	3.03	59	1648	2.418	ug/l # 98
30) 2-Butanone	4.68	43	1067	0.419	ug/l # 60
51) Ethyl methacrylate	8.73	69	1065	0.221	ug/l 75
58) 4-Methyl-2-Pentanone	8.65	43	1243	0.267	ug/l # 88

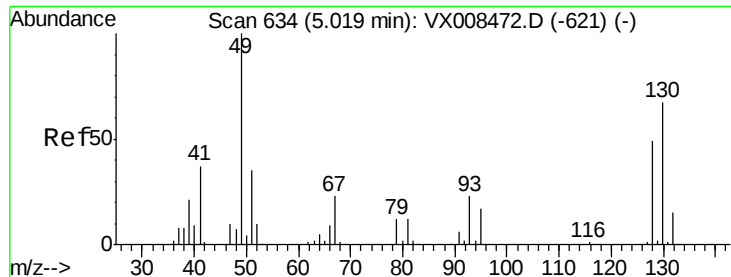
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 27 12:01:15 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008594.D

Acq: 02 Apr 2019 14:23

Instrument :
MSVOA_X
ClientSampled :
TBRE

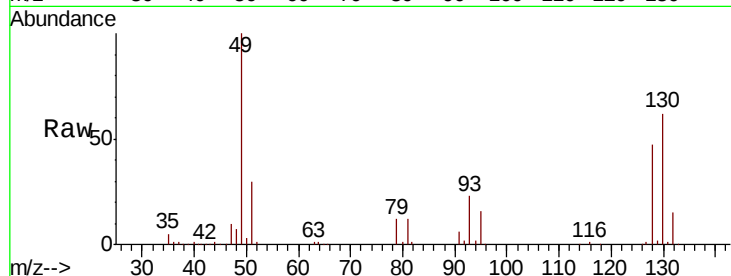
Tot Ion:128 Resp: 35563

Ion Ratio Lower Upper

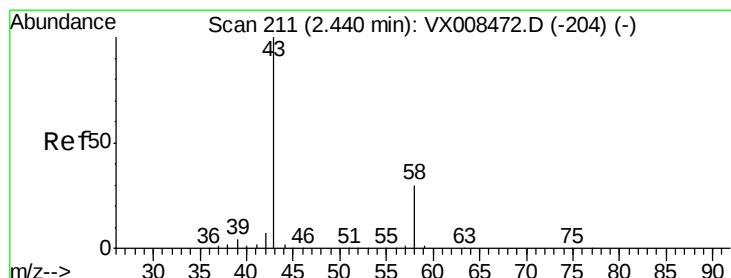
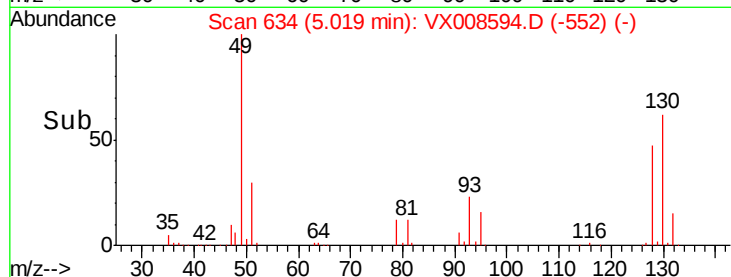
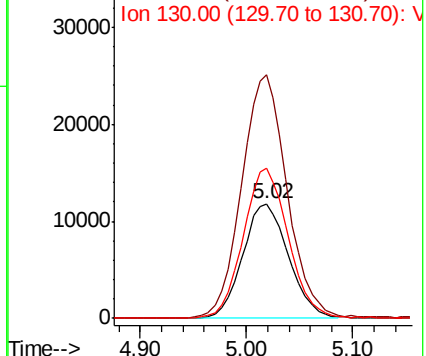
128 100

49 211.0 0.0 350.8

130 128.7 0.0 325.8



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



#15

Acetone

Concen: 6.374 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008594.D

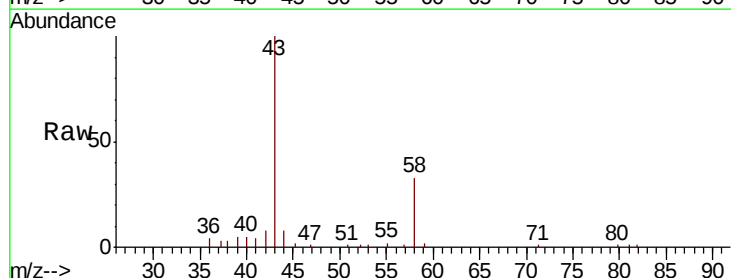
Acq: 02 Apr 2019 14:23

Tgt Ion: 58 Resp: 3317

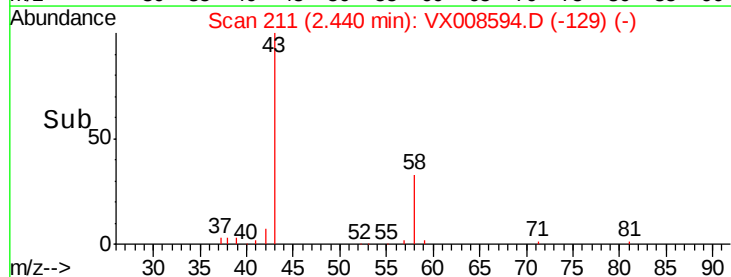
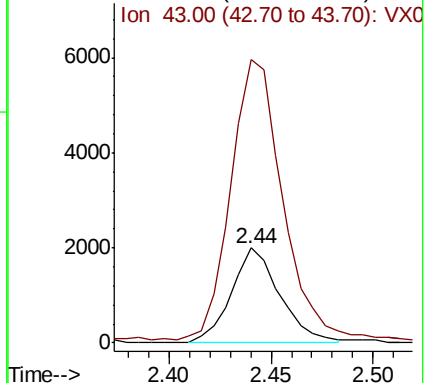
Ion Ratio Lower Upper

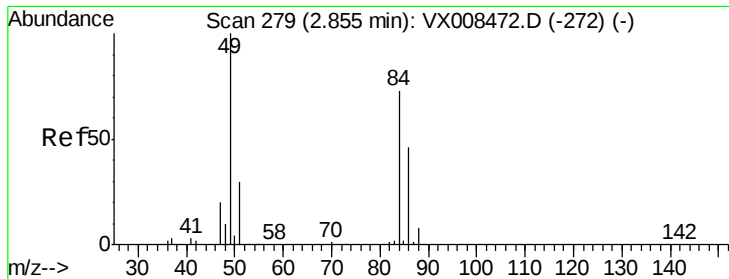
58 100

43 291.5 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0
Ion 43.00 (42.70 to 43.70): VX0

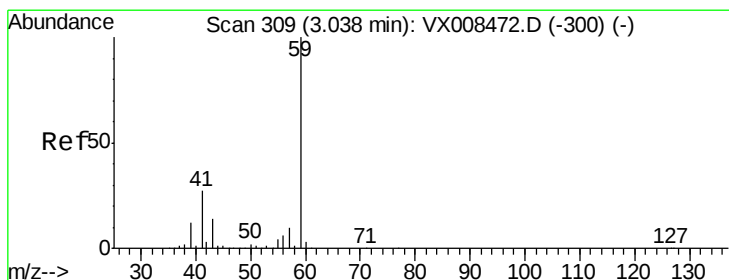
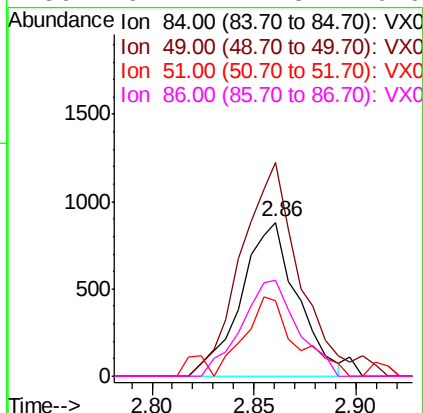
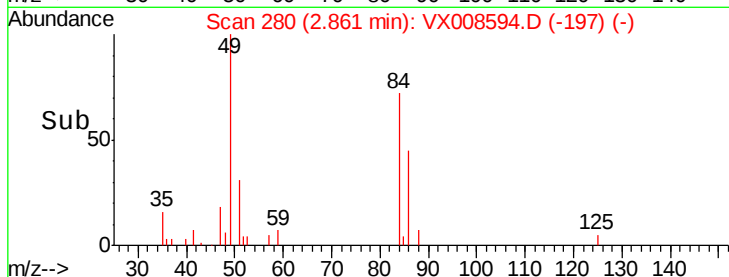
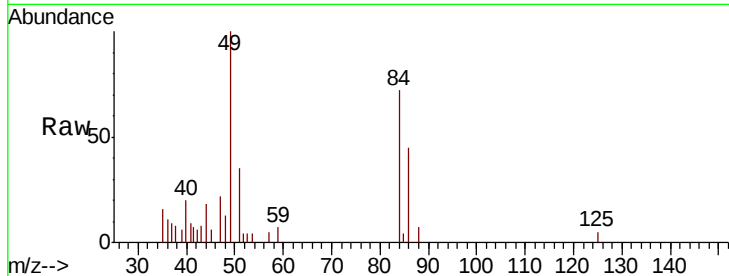




#18
Methylene Chloride
Concen: 0.628 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008594.D
Acq: 02 Apr 2019 14:23

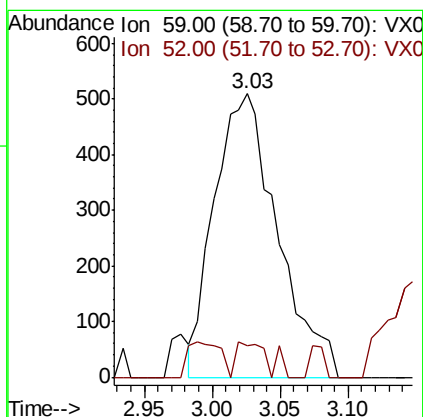
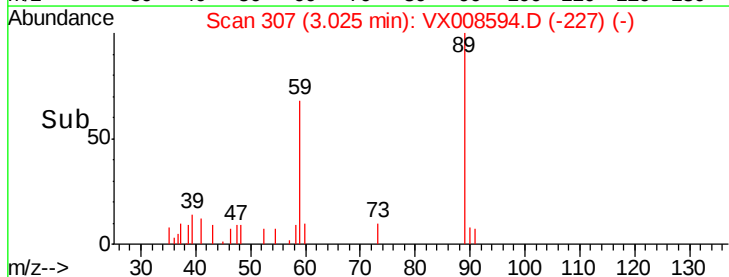
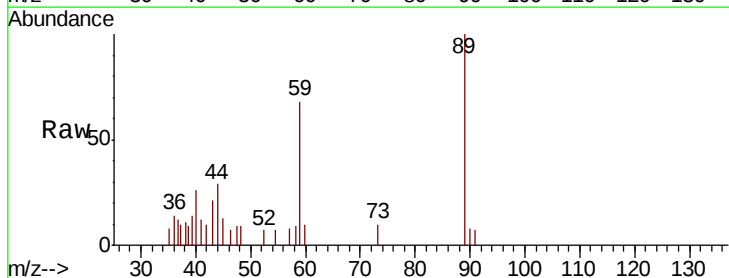
Instrument :
MSVOA_X
ClientSampleId :
TBRE

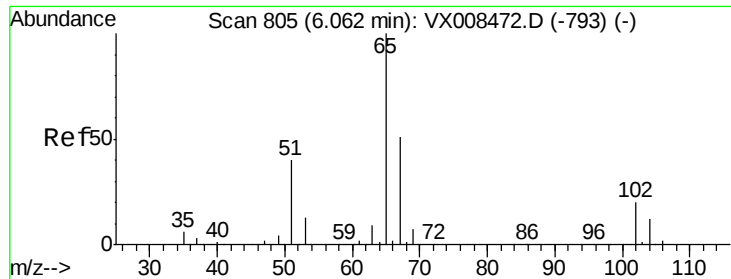
Tot Ion: 84 Resp: 1691
Ion Ratio Lower Upper
84 100
49 139.1 96.1 144.1
51 47.0 29.1 43.7#
86 62.4 47.3 70.9



#23
tert-Butyl Alcohol
Concen: 2.418 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX008594.D
Acq: 02 Apr 2019 14:23

Tgt Ion: 59 Resp: 1648
Ion Ratio Lower Upper
59 100
52 2.7 0.2 0.2#





#27

1,2-Dichloroethane-d4

Concen: 30.658 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008594.D

Acq: 02 Apr 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

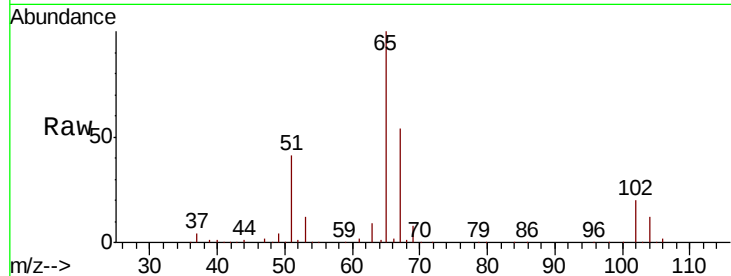
TBRE

Tot Ion: 65 Resp: 91208

Ion Ratio Lower Upper

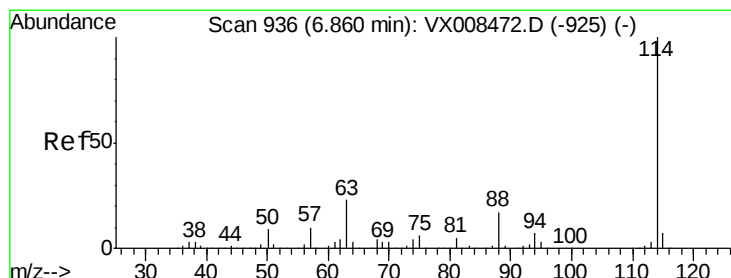
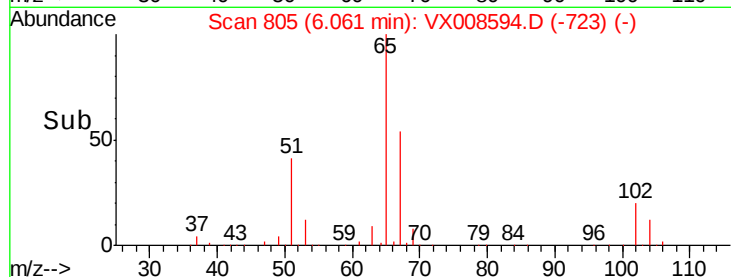
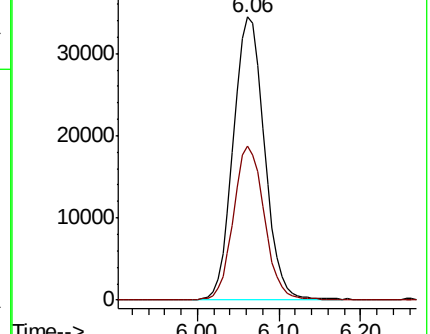
65 100

67 53.6 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008594.D

Acq: 02 Apr 2019 14:23

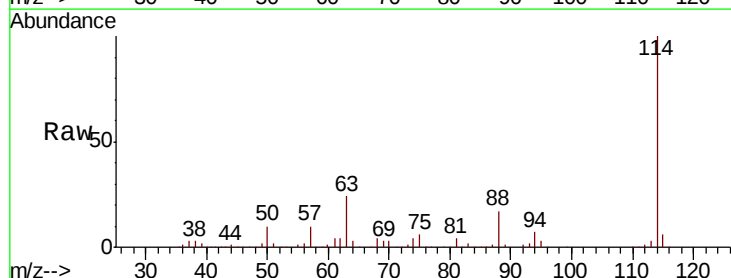
Tgt Ion: 114 Resp: 206034

Ion Ratio Lower Upper

114 100

63 24.0 14.2 21.4#

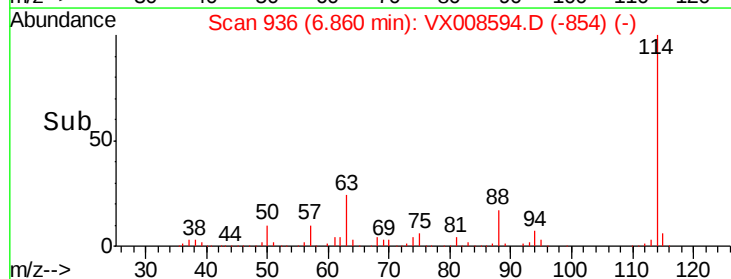
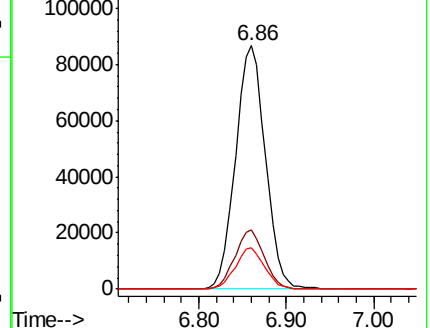
88 16.6 11.9 17.9

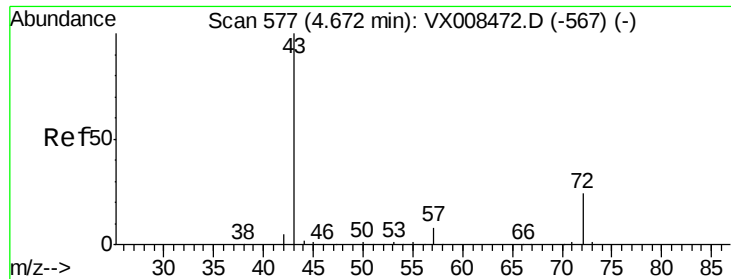


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

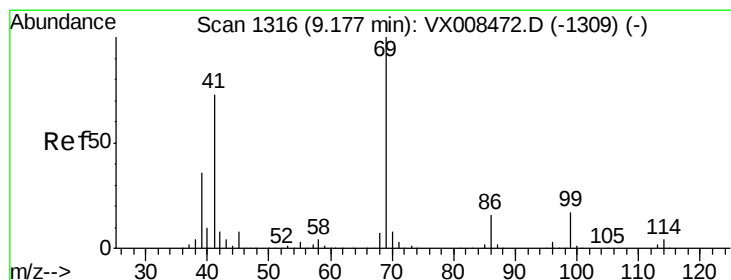
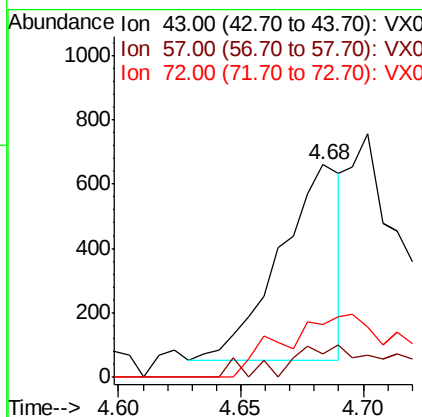
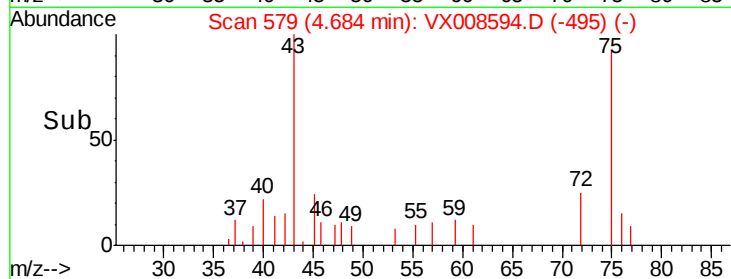
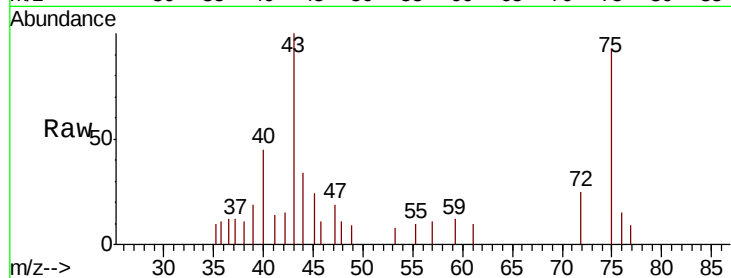




#30
2-Butanone
Concen: 0.419 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX008594.D
Acq: 02 Apr 2019 14:23

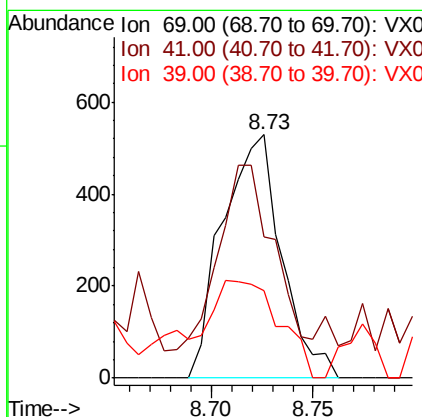
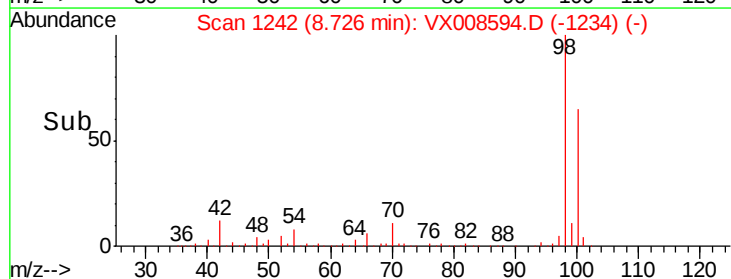
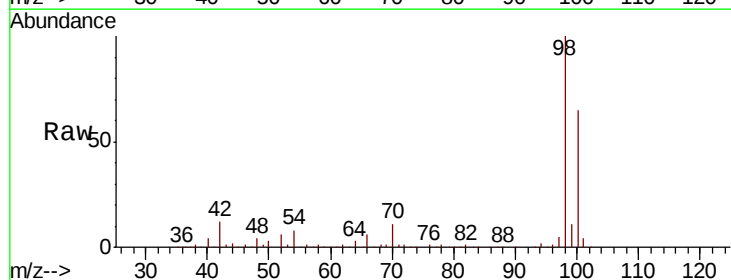
Instrument :
MSVOA_X
ClientSampleId :
TBRE

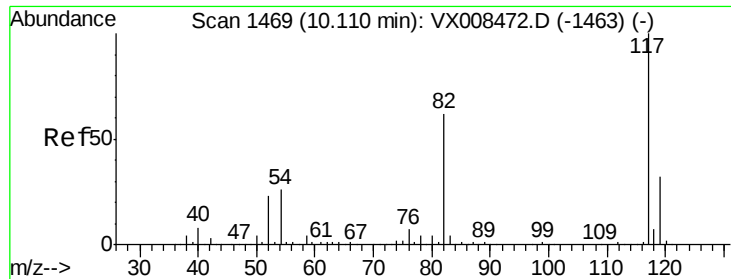
Tot Ion: 43 Resp: 1067
Ion Ratio Lower Upper
43 100
57 7.7 7.0 10.6
72 0.0 21.5 32.3#



#51
Ethyl methacrylate
Concen: 0.221 ug/l
RT: 8.73 min Scan# 1242
Delta R.T. -0.45 min
Lab File: VX008594.D
Acq: 02 Apr 2019 14:23

Tgt Ion: 69 Resp: 1065
Ion Ratio Lower Upper
69 100
41 44.6 32.1 96.5
39 23.1 18.8 56.3

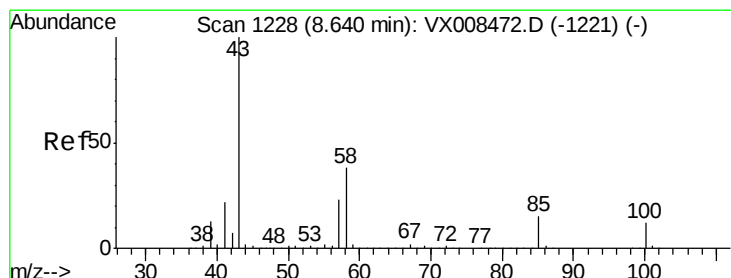
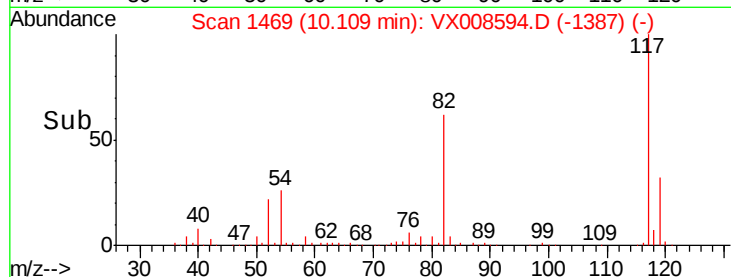
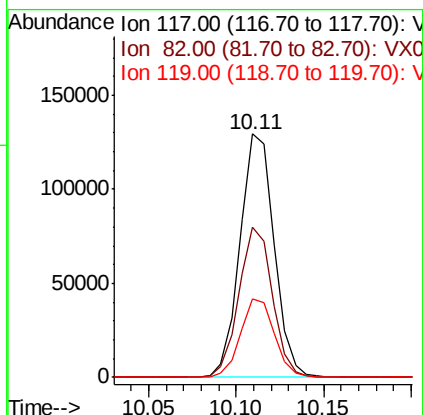
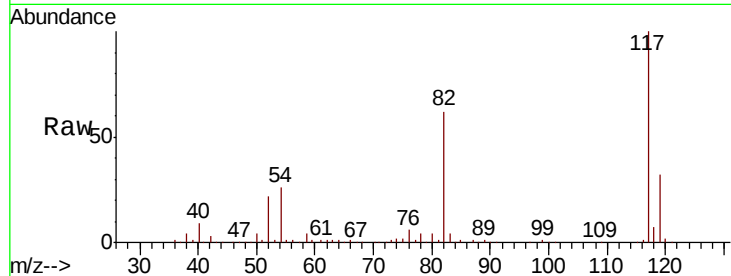




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008594.D
Acq: 02 Apr 2019 14:23

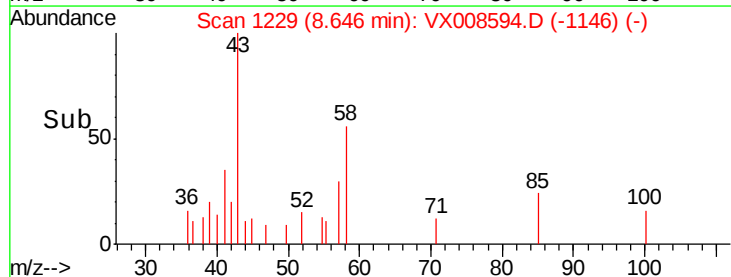
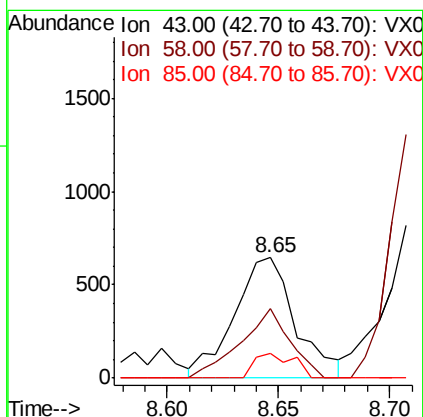
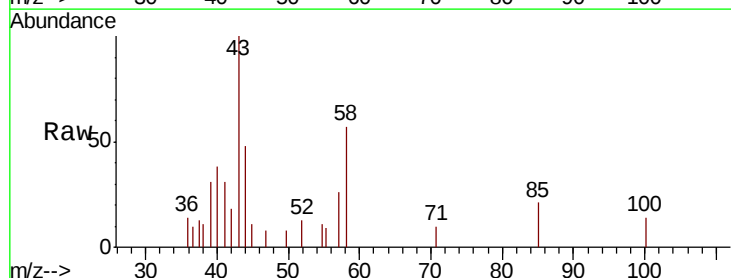
Instrument :
MSVOA_X
ClientSampleId :
TBRE

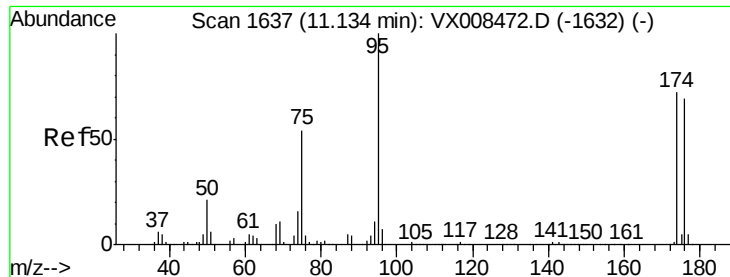
Tot Ion:117 Resp: 176227
Ion Ratio Lower Upper
117 100
82 60.6 40.4 60.6#
119 32.0 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.267 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX008594.D
Acq: 02 Apr 2019 14:23

Tgt Ion: 43 Resp: 1243
Ion Ratio Lower Upper
43 100
58 46.6 31.4 47.0
85 13.0 15.0 22.6#

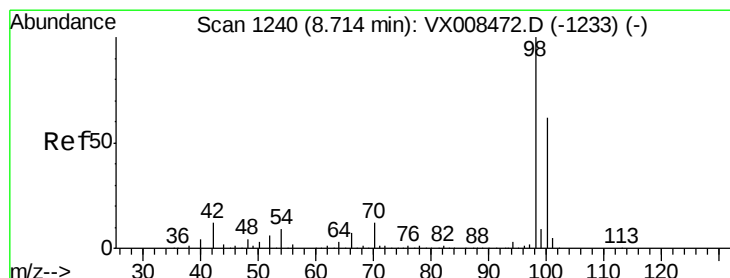
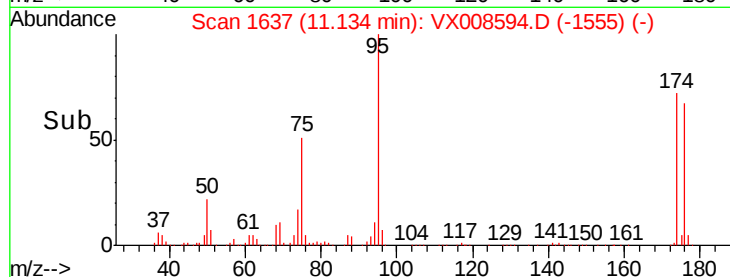
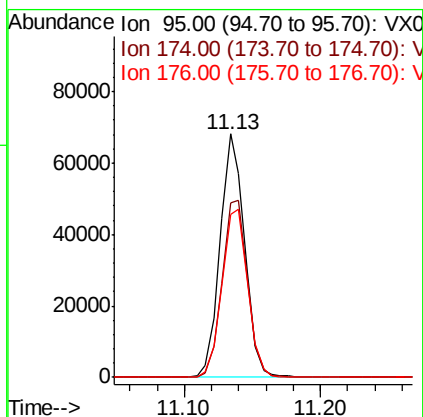
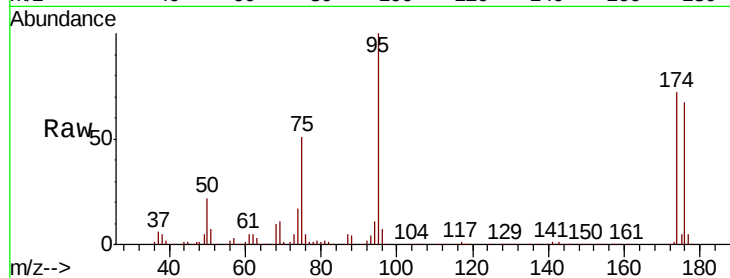




#60
4-Bromofluorobenzene
Concen: 27.692 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008594.D
Acq: 02 Apr 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
TBRE

Tot Ion: 95 Resp: 85027
Ion Ratio Lower Upper
95 100
174 75.1 74.9 112.3
176 72.9 70.7 106.1



#63
Toluene-d8
Concen: 30.713 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008594.D
Acq: 02 Apr 2019 14:23

Tgt Ion: 98 Resp: 256916
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3

