

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040519\
 Data File : VX008679.D
 Acq On : 05 Apr 2019 12:58
 Operator : JC/SP
 Sample : K2242-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-02

Quant Time: Apr 06 01:20:29 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	5.01	128	29863	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	173911	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	149479	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.06	65	74989	30.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.07%
60) 4-Bromofluorobenzene	11.13	95	72805	27.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.17%
63) Toluene-d8	8.71	98	215093	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%

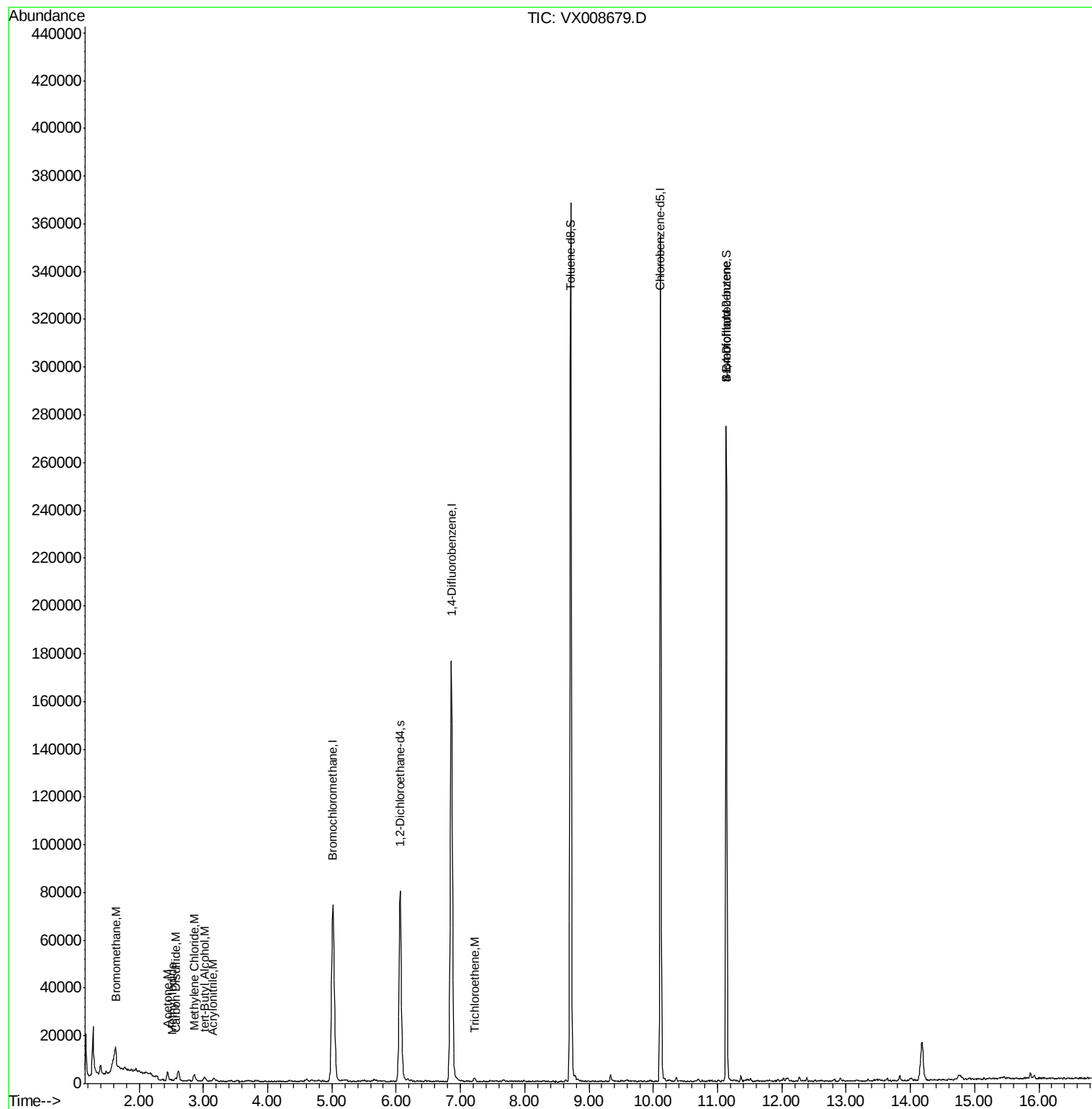
Target Compounds					Ovalue
5) Bromomethane	1.64	94	489	0.350 ug/l	88
11) Methyl Iodide	2.51	142	533	0.272 ug/l	93
14) Acrylonitrile	3.14	53	427	0.301 ug/l	92
15) Acetone	2.44	58	1468	3.359 ug/l	81
16) Carbon Disulfide	2.57	76	1739	0.296 ug/l #	81
18) Methylene Chloride	2.85	84	1301	0.576 ug/l #	91
23) tert-Butyl Alcohol	3.01	59	1072	1.873 ug/l #	97
37) Trichloroethene	7.22	130	560	0.272 ug/l #	43
56) Bromoform	11.13	173	468	0.299 ug/l #	1
77) t-1,4-Dichloro-2-butene	11.13	75	37145	32.425 ug/l #	5

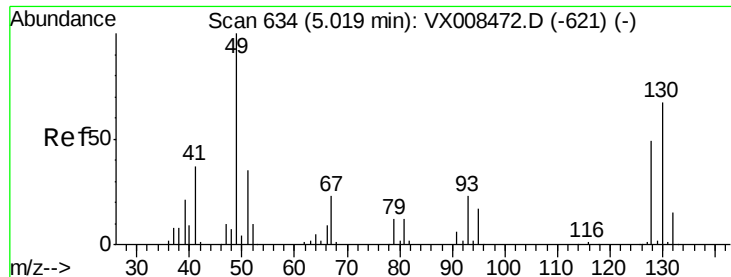
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 06 01:20:29 2019
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008679.D

Acq: 05 Apr 2019 12:58

Instrument :

MSVOA_X

ClientSampled :

TWP-02

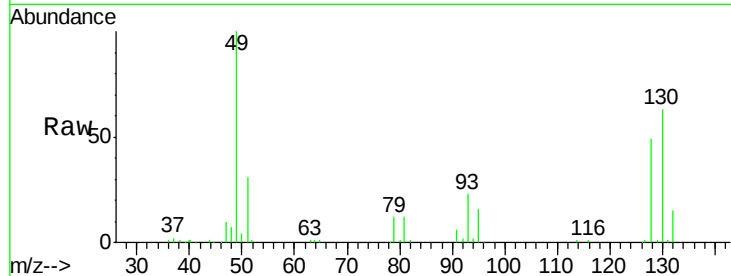
Tot Ion:128 Resp: 29863

Ion Ratio Lower Upper

128 100

49 206.0 0.0 350.8

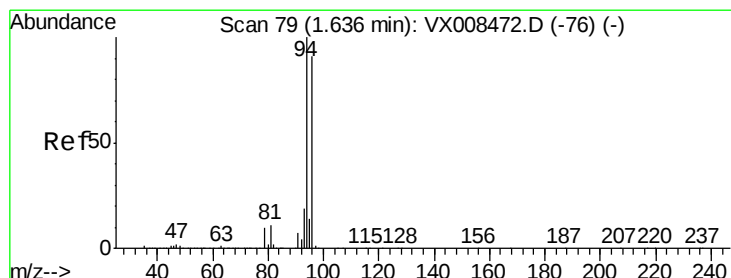
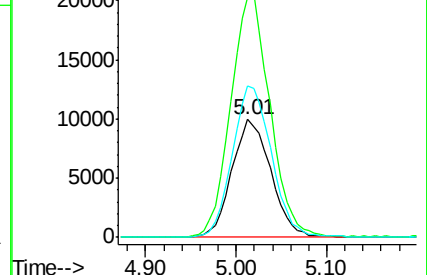
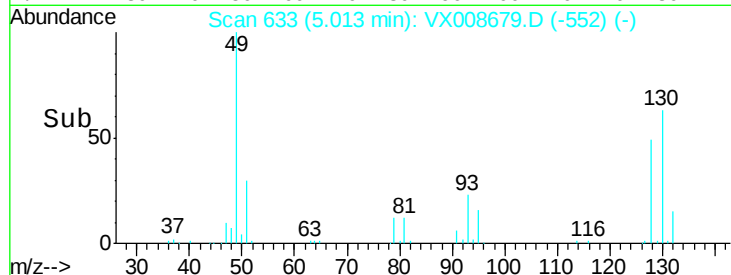
130 128.8 0.0 325.8



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



#5

Bromomethane

Concen: 0.350 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008679.D

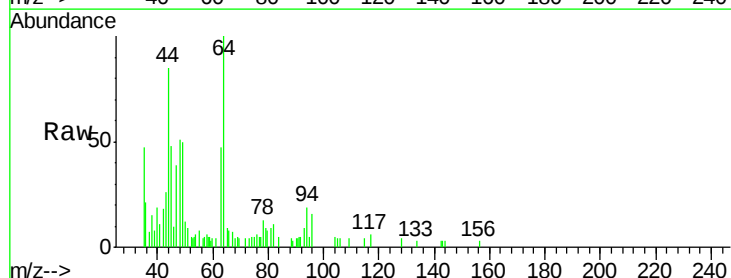
Acq: 05 Apr 2019 12:58

Tgt Ion: 94 Resp: 489

Ion Ratio Lower Upper

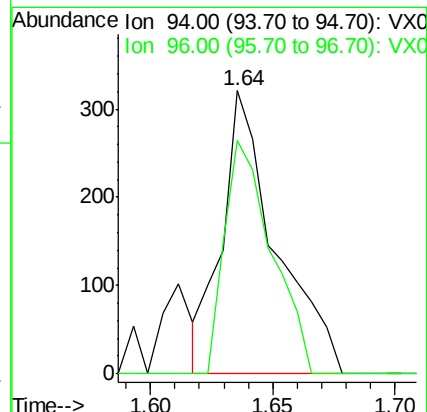
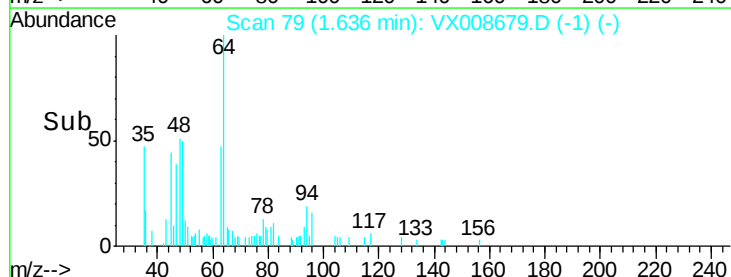
94 100

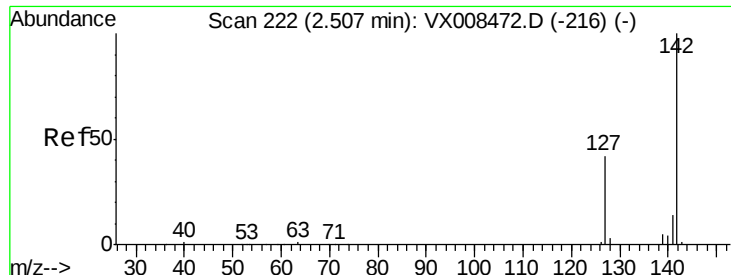
96 82.6 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

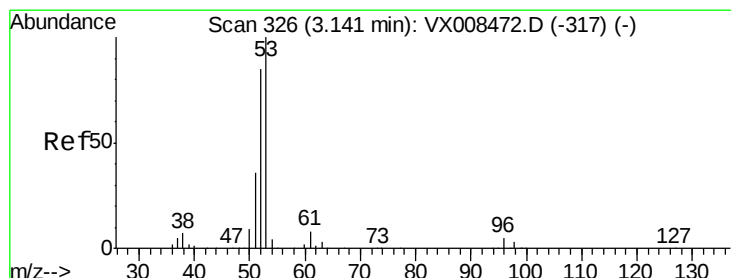
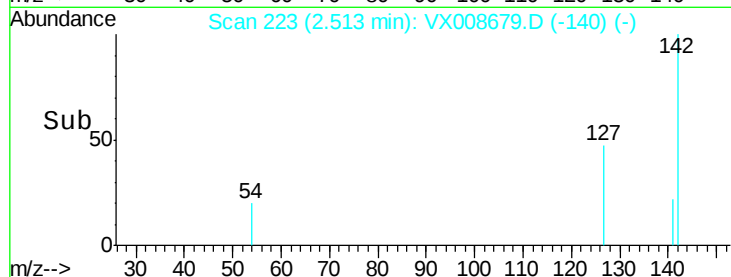
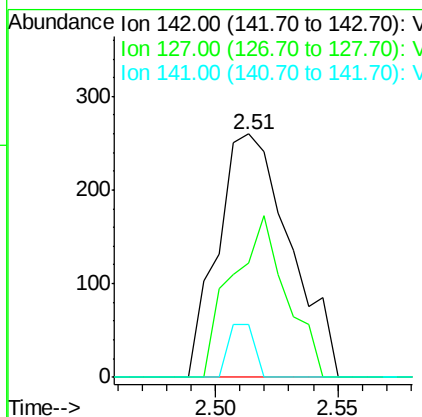
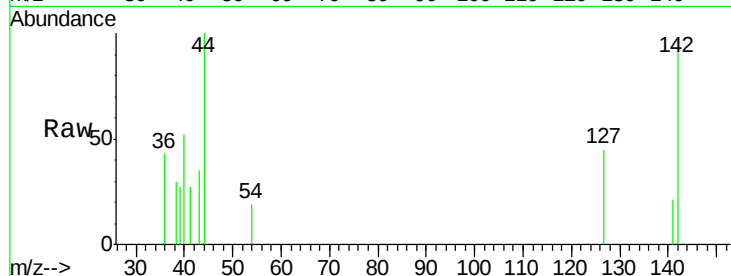




#11
Methvl Iodide
Concen: 0.272 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008679.D
Acq: 05 Apr 2019 12:58

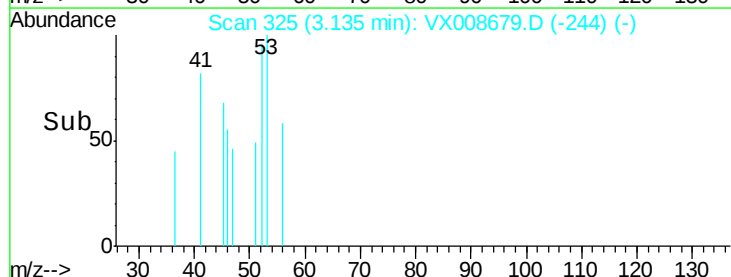
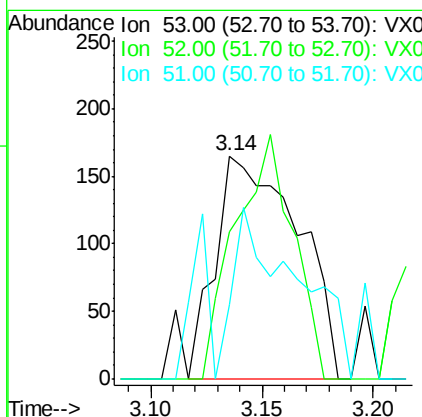
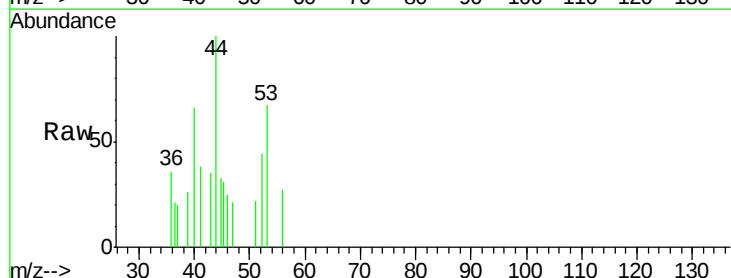
Instrument :
MSVOA_X
ClientSampled :
TWP-02

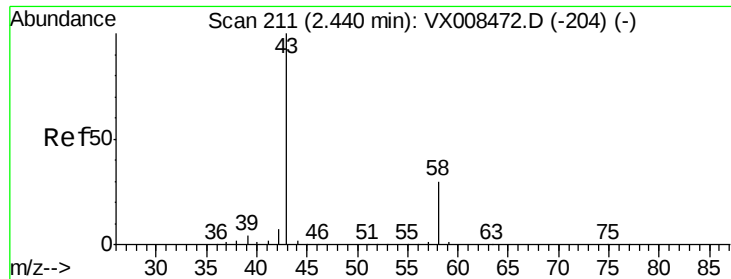
Tot Ion:142 Resp: 533
Ion Ratio Lower Upper
142 100
127 46.9 22.1 66.5
141 21.9 7.4 22.3



#14
Acrylonitrile
Concen: 0.301 ug/l
RT: 3.14 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX008679.D
Acq: 05 Apr 2019 12:58

Tgt Ion: 53 Resp: 427
Ion Ratio Lower Upper
53 100
52 76.6 41.3 124.1
51 29.7 17.5 52.6





#15

Acetone

Concen: 3.359 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008679.D

Acq: 05 Apr 2019 12:58

Instrument :

MSVOA_X

ClientSampled :

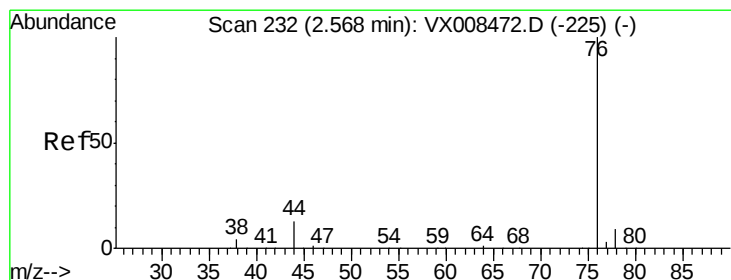
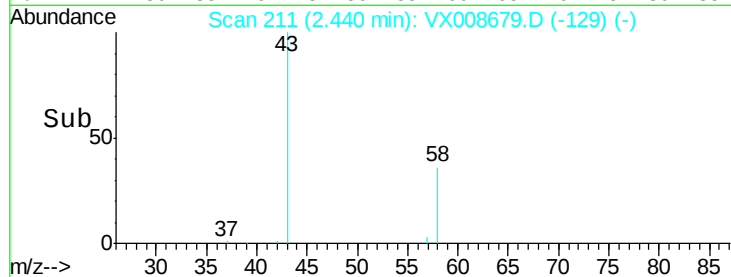
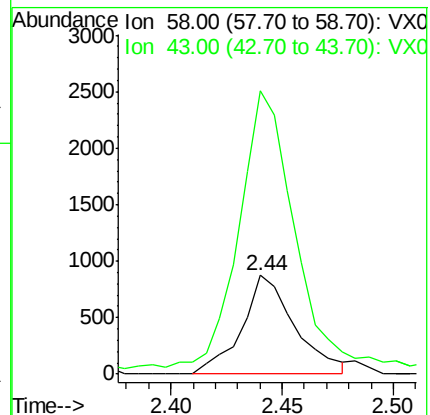
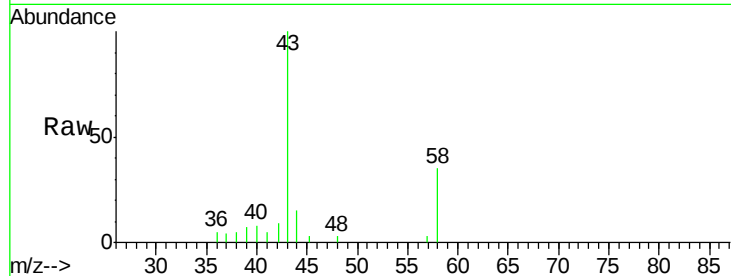
TWP-02

Tot Ion: 58 Resp: 1468

Ion Ratio Lower Upper

58 100

43 274.4 249.8 374.6



#16

Carbon Disulfide

Concen: 0.296 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008679.D

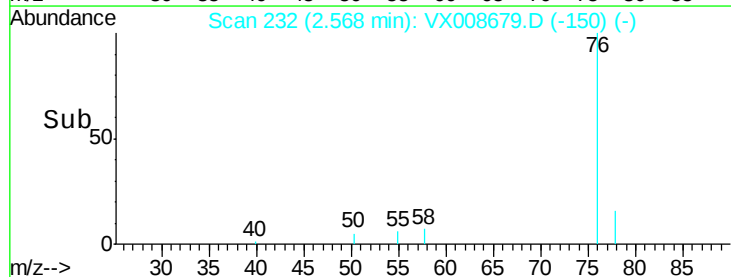
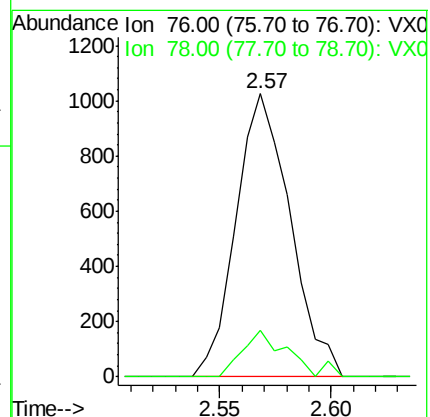
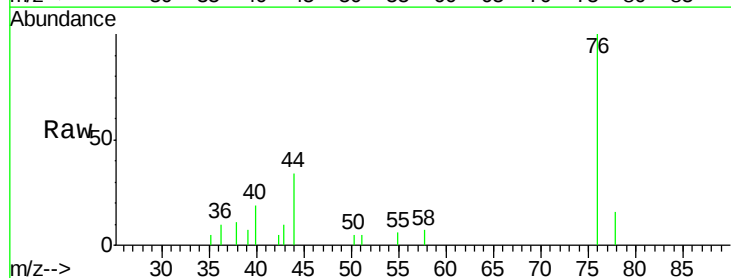
Acq: 05 Apr 2019 12:58

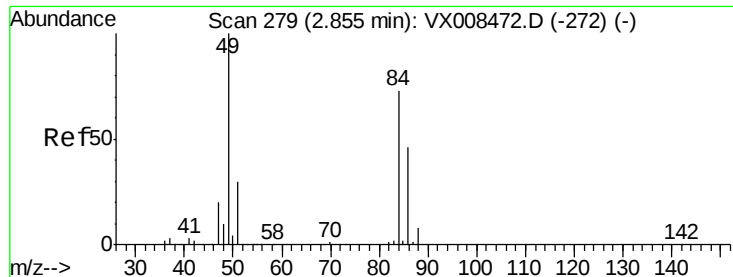
Tgt Ion: 76 Resp: 1739

Ion Ratio Lower Upper

76 100

78 16.3 7.5 11.3#

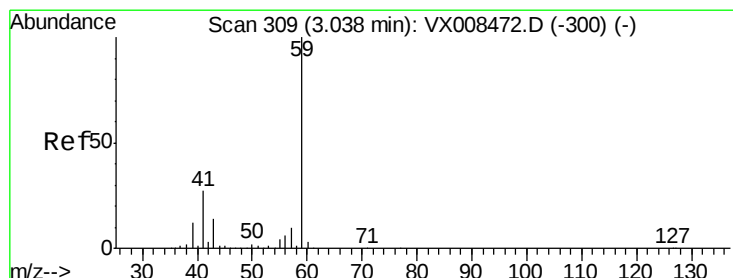
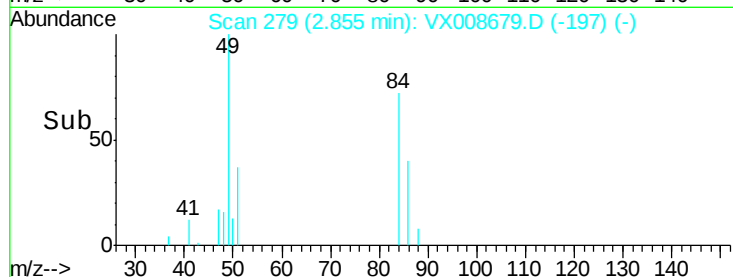
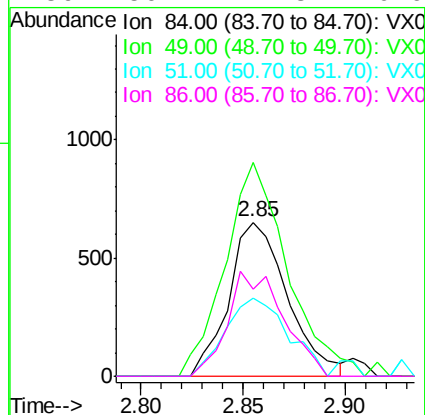
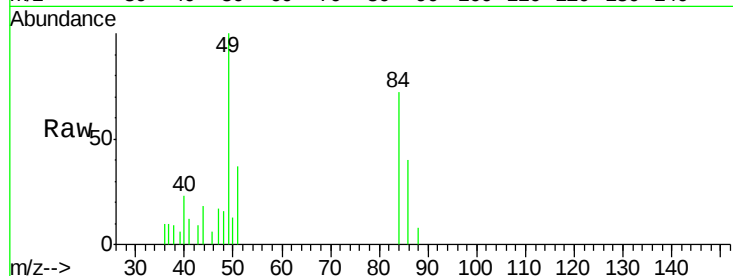




#18
Methvlene Chloride
Concen: 0.576 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008679.D
Acq: 05 Apr 2019 12:58

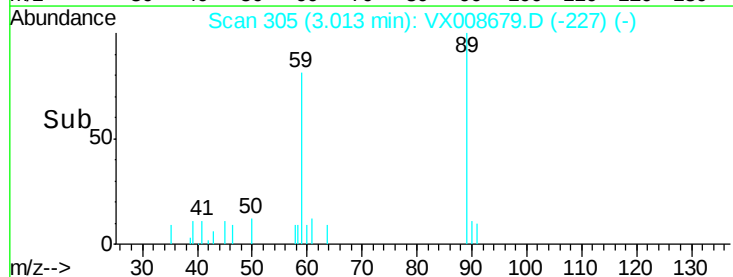
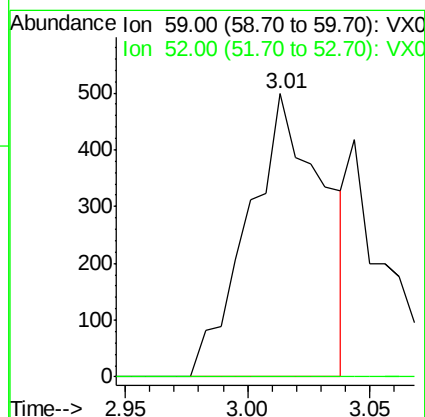
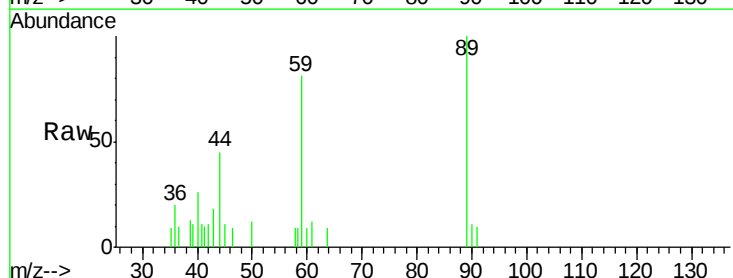
Instrument :
MSVOA_X
ClientSampled :
TWP-02

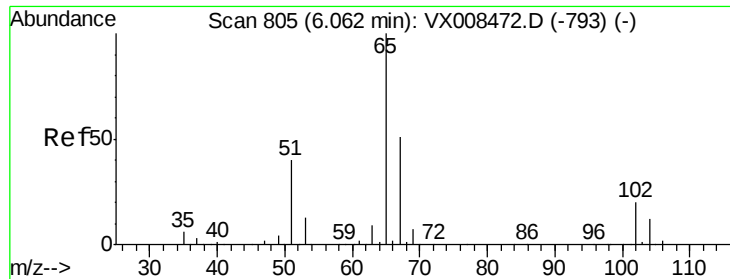
Tot Ion: 84 Resp: 1301
Ion Ratio Lower Upper
84 100
49 126.8 96.1 144.1
51 50.6 29.1 43.7#
86 56.1 47.3 70.9



#23
tert-Butyl Alcohol
Concen: 1.873 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX008679.D
Acq: 05 Apr 2019 12:58

Tgt Ion: 59 Resp: 1072
Ion Ratio Lower Upper
59 100
52 3.9 0.2 0.2#





#27

1,2-Dichloroethane-d4

Concen: 30.018 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008679.D

Acq: 05 Apr 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

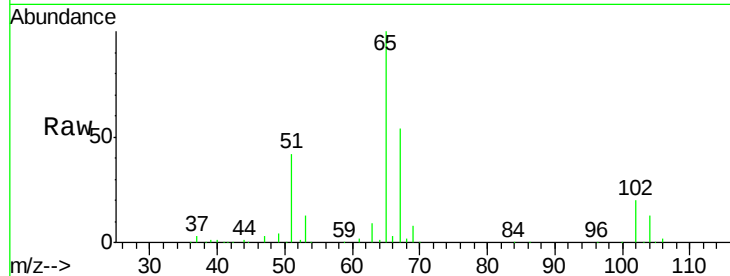
TWP-02

Tot Ion: 65 Resp: 74989

Ion Ratio Lower Upper

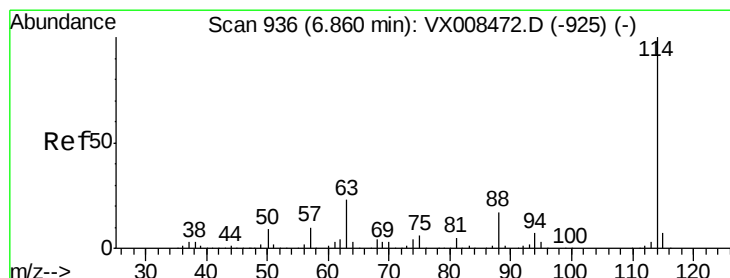
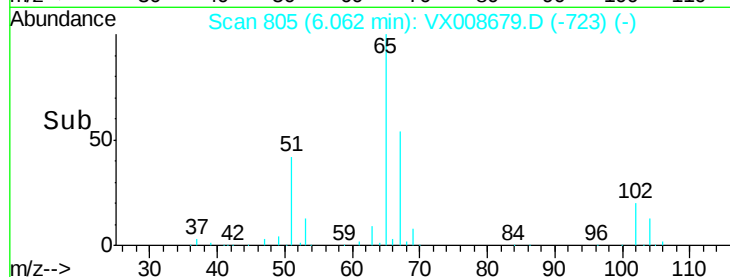
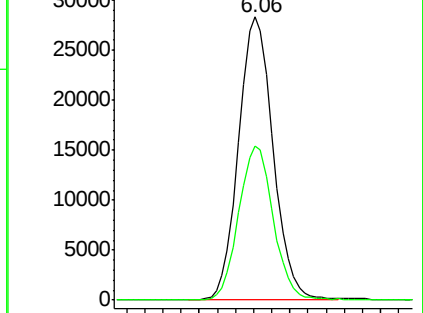
65 100

67 54.4 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: VX008679.D

Acq: 05 Apr 2019 12:58

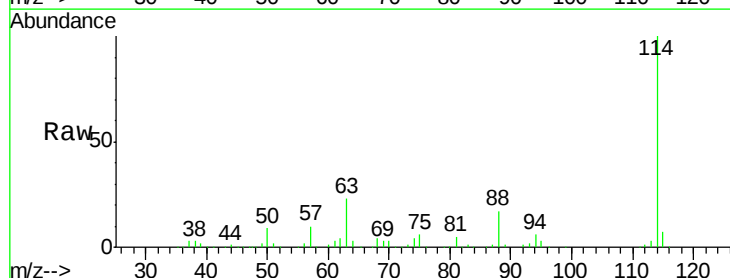
Tgt Ion: 114 Resp: 173911

Ion Ratio Lower Upper

114 100

63 23.3 14.2 21.4#

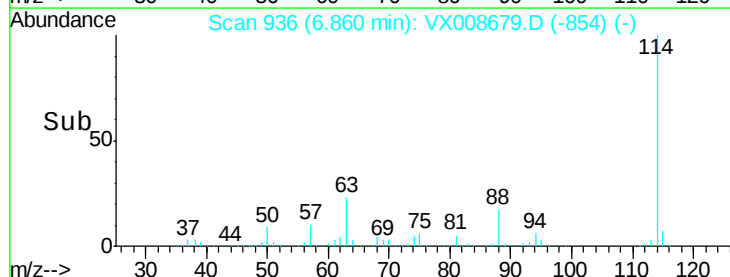
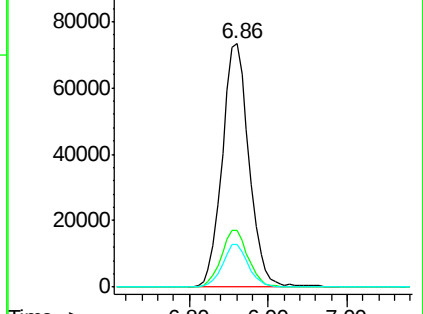
88 17.0 11.9 17.9

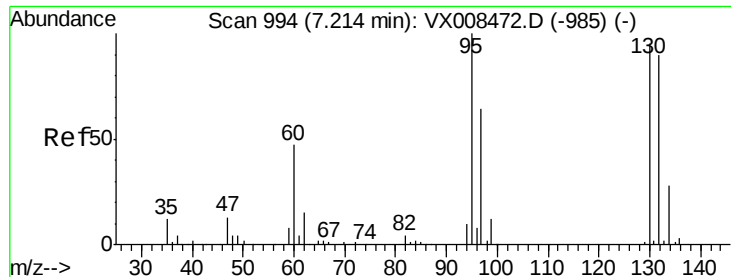


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

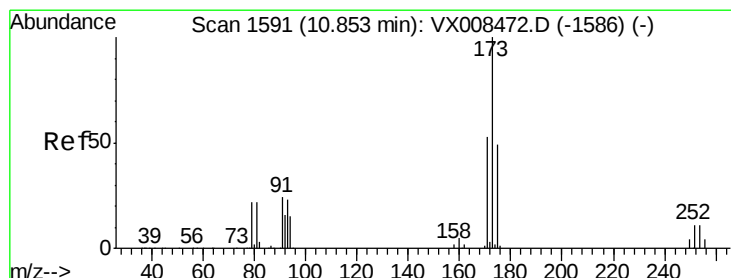
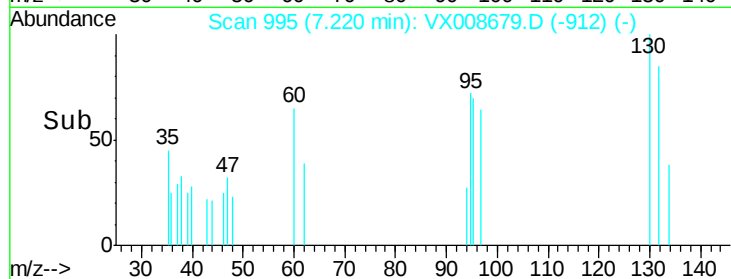
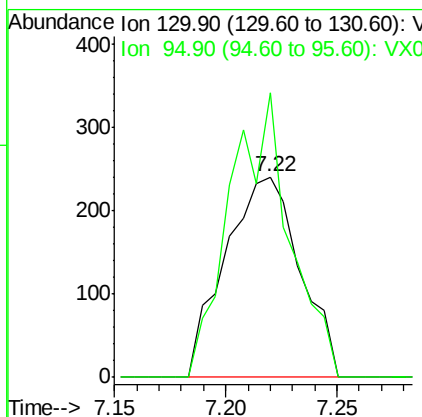
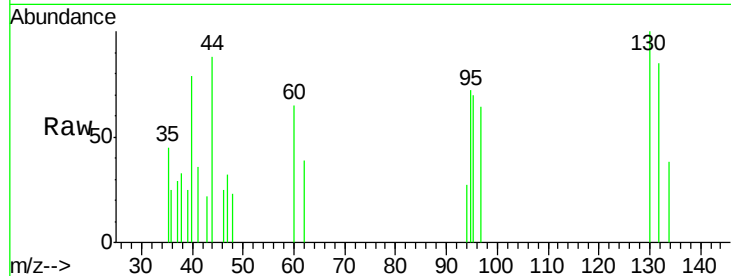




#37
 Trichloroethene
 Concen: 0.272 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX008679.D
 Acq: 05 Apr 2019 12:58

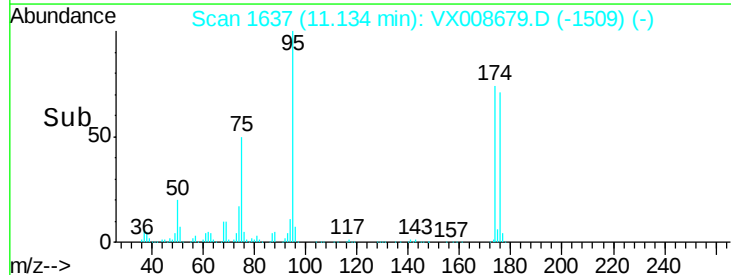
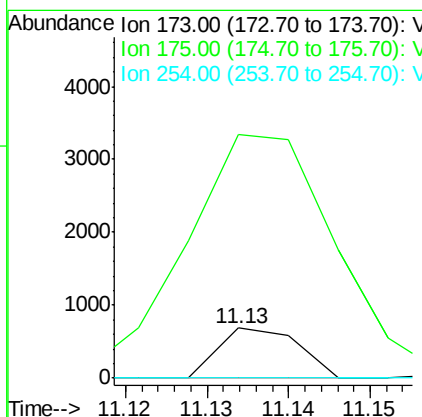
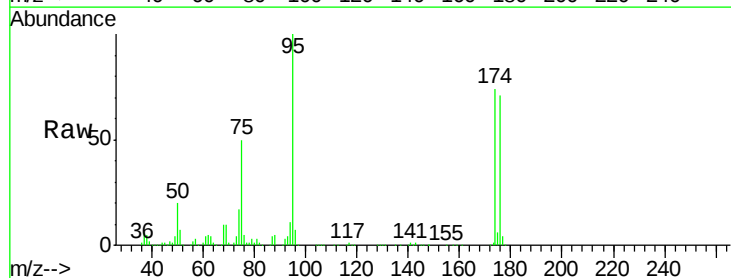
Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-02

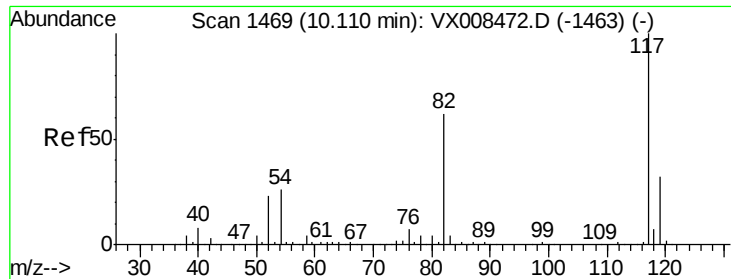
Tot Ion:130 Resp: 560
 Ion Ratio Lower Upper
 130 100
 95 142.1 71.3 106.9#



#56
 Bromoform
 Concen: 0.299 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.28 min
 Lab File: VX008679.D
 Acq: 05 Apr 2019 12:58

Tgt Ion:173 Resp: 468
 Ion Ratio Lower Upper
 173 100
 175 923.7 38.5 57.7#
 254 0.0 7.4 11.2#

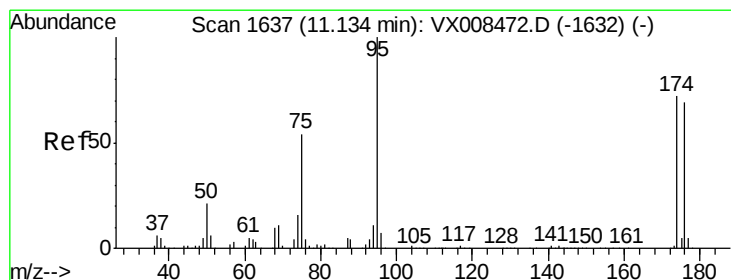
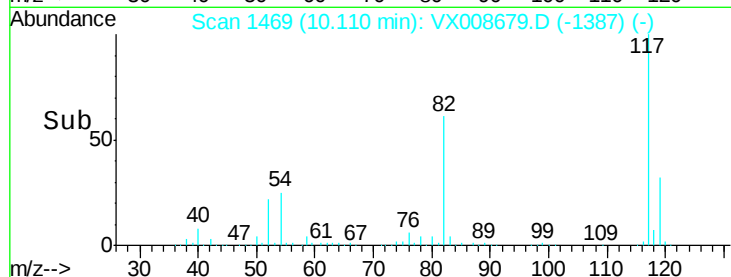
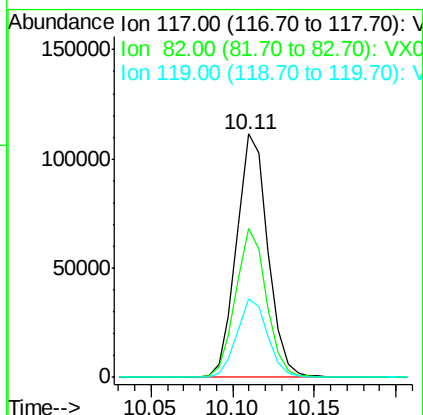
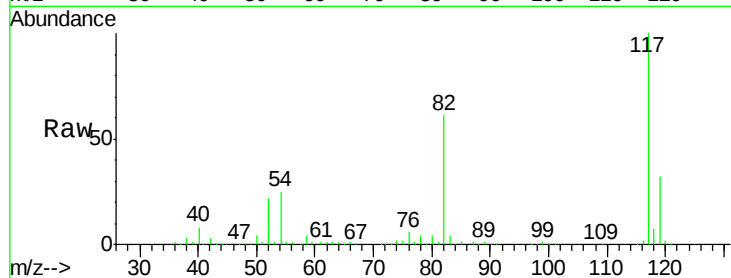




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008679.D
Acq: 05 Apr 2019 12:58

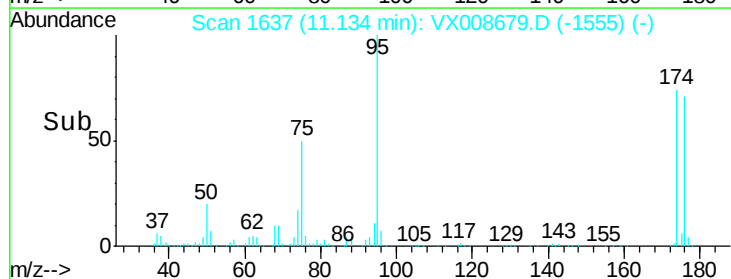
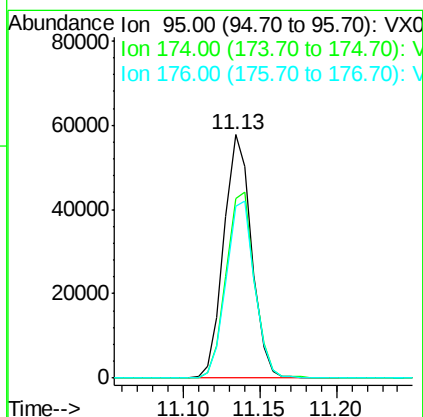
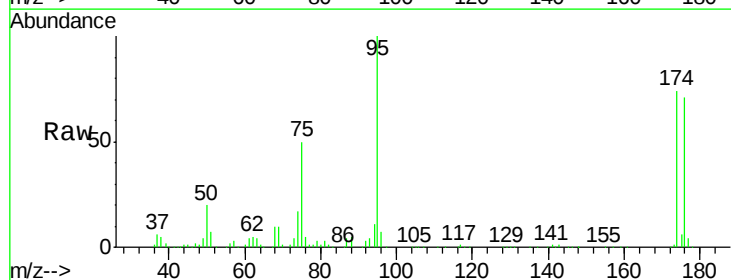
Instrument :
MSVOA_X
ClientSampled :
TWP-02

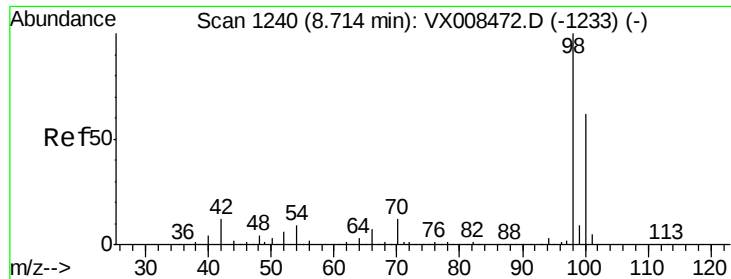
Tot Ion:117 Resp: 149479
Ion Ratio Lower Upper
117 100
82 59.9 40.4 60.6
119 31.9 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 27.954 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008679.D
Acq: 05 Apr 2019 12:58

Tgt Ion: 95 Resp: 72805
Ion Ratio Lower Upper
95 100
174 77.9 74.9 112.3
176 74.8 70.7 106.1

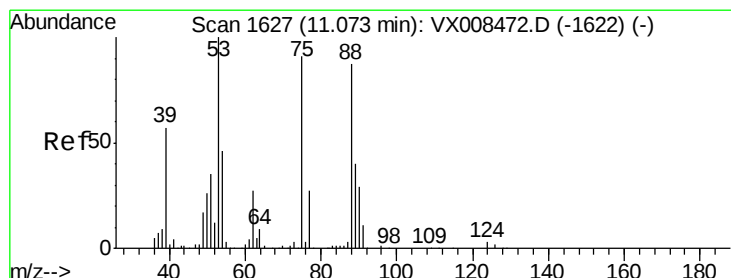
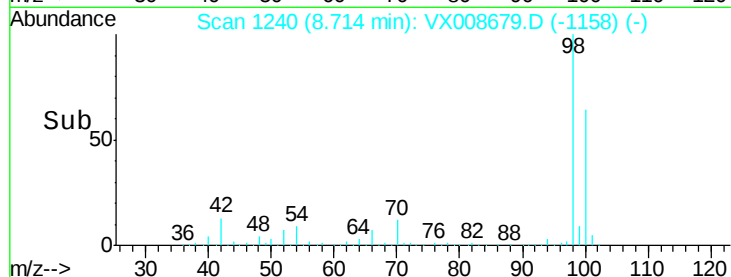
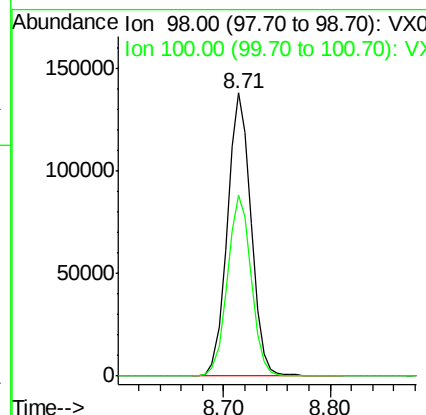
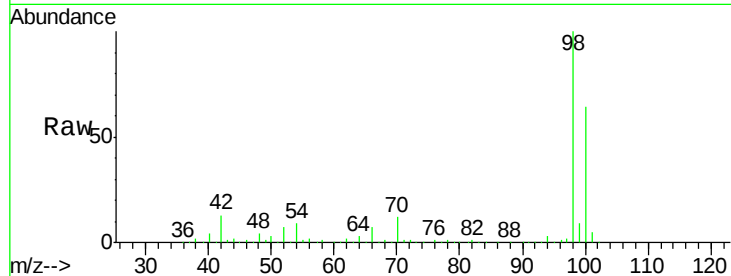




#63
Toluene-d8
Concen: 30.314 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008679.D
Acq: 05 Apr 2019 12:58

Instrument :
MSVOA_X
ClientSampled :
TWP-02

Tot Ion: 98 Resp: 215093
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3



#77
t-1,4-Dichloro-2-butene
Concen: 32.425 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008679.D
Acq: 05 Apr 2019 12:58

Tgt Ion: 75 Resp: 37145
Ion Ratio Lower Upper
75 100
53 0.0 55.5 166.7#
89 0.0 24.4 73.2#

