

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008479.D
 Acq On : 27 Mar 2019 13:49
 Operator : JC/SP
 Sample : VX0327WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBL01

Quant Time: Mar 28 02:04:33 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	35566	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	205159	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	176013	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	89539	30.09	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.30%
60) 4-Bromofluorobenzene	11.13	95	86133	28.09	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.63%
63) Toluene-d8	8.71	98	254638	30.48	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.60%

Target Compounds

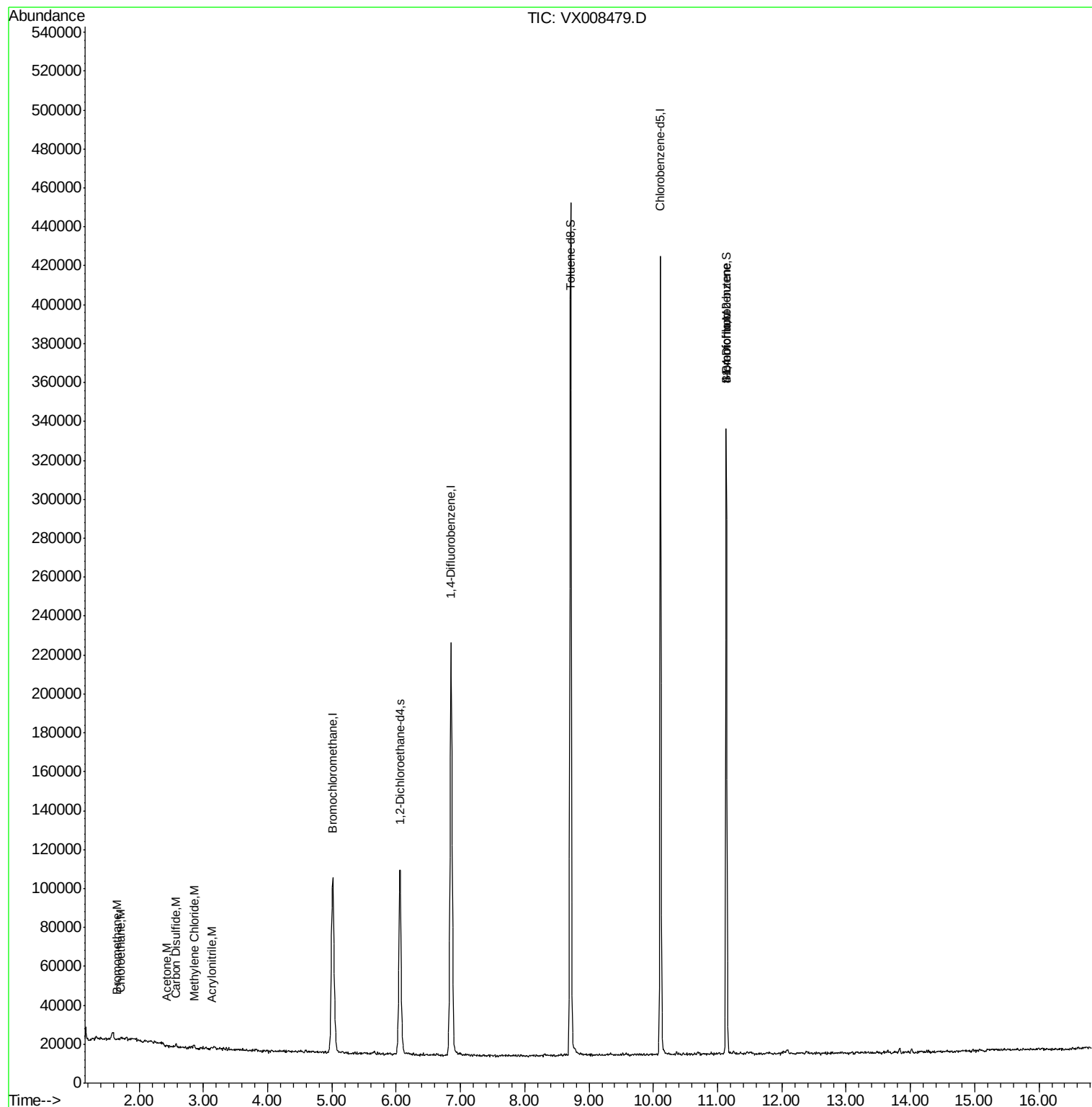
					Ovalue	
5) Bromomethane	1.65	94	438	0.263	ug/l #	62
6) Chloroethane	1.72	64	1649	0.784	ug/l #	76
14) Acrylonitrile	3.14	53	359	0.213	ug/l #	21
15) Acetone	2.43	58	135	0.259	ug/l #	1
16) Carbon Disulfide	2.57	76	2145	0.306	ug/l	97
18) Methylene Chloride	2.85	84	627	0.233	ug/l #	63
56) Bromoform	11.13	173	683	0.370	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.13	75	43829	32.492	ug/l #	5

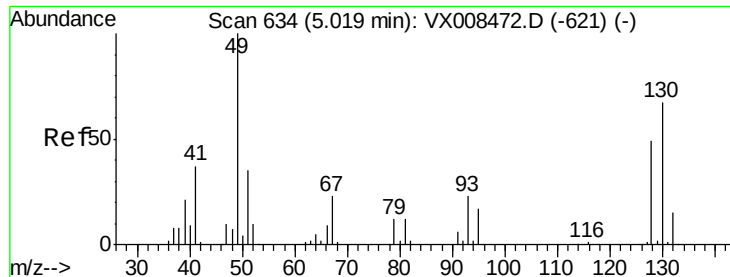
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008479.D

Acq: 27 Mar 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBL01

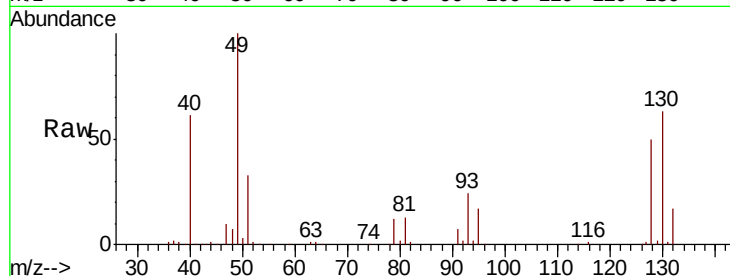
Tot Ion:128 Resp: 35566

Ion Ratio Lower Upper

128 100

49 202.6 0.0 350.8

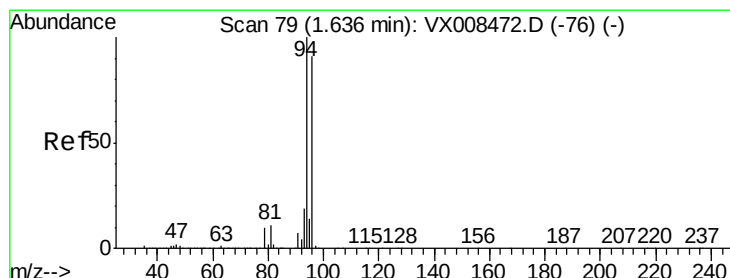
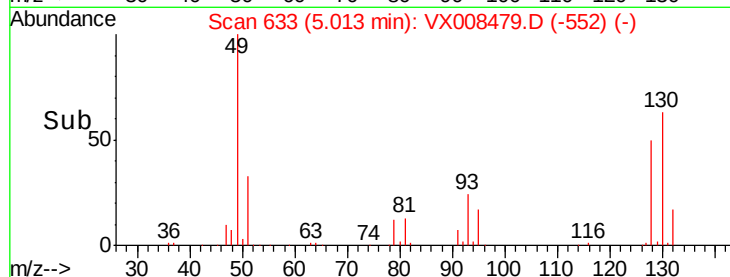
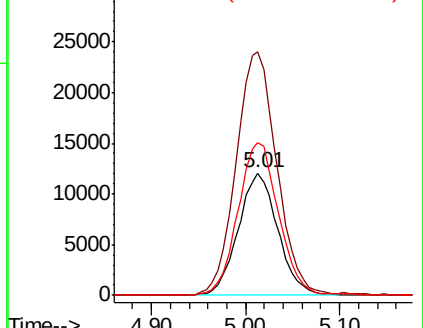
130 127.1 0.0 325.8



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: 0.263 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX008479.D

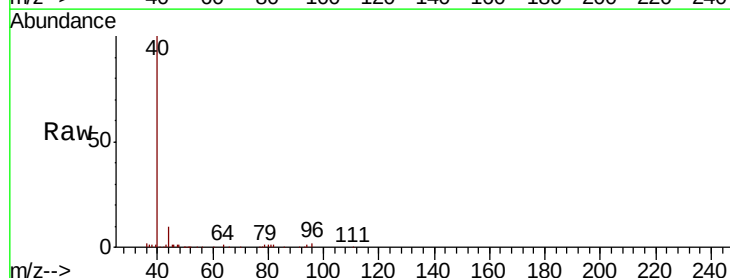
Acq: 27 Mar 2019 13:49

Tgt Ion: 94 Resp: 438

Ion Ratio Lower Upper

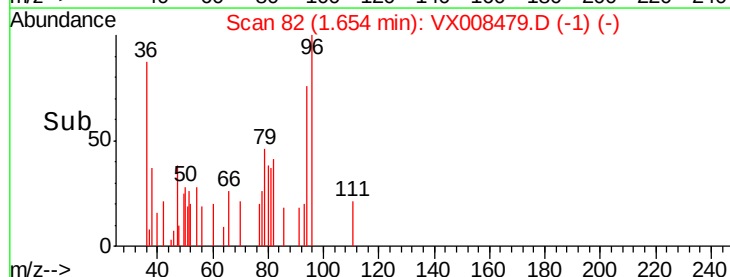
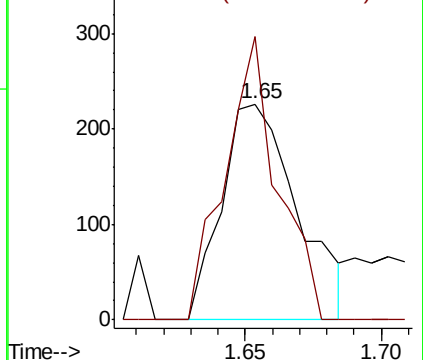
94 100

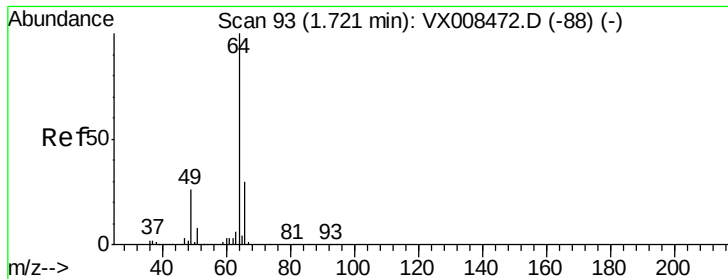
96 131.4 75.6 113.4#



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#6

Chloroethane

Concen: 0.784 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX008479.D

Acq: 27 Mar 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

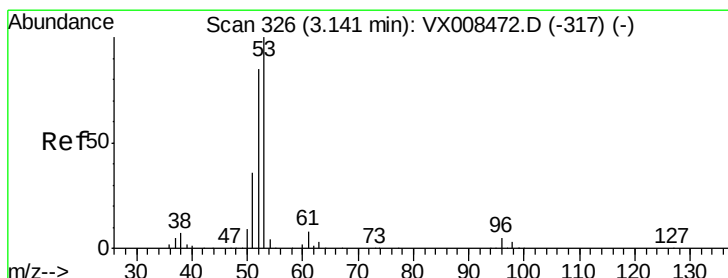
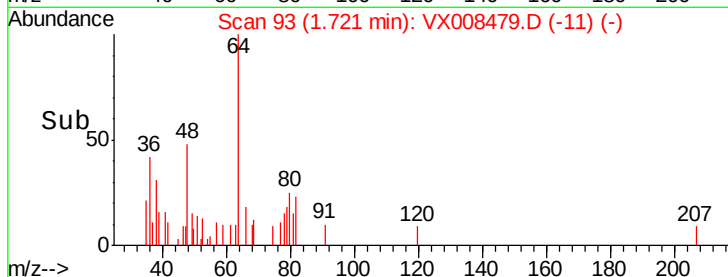
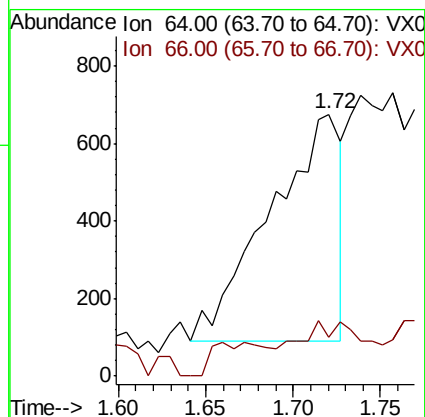
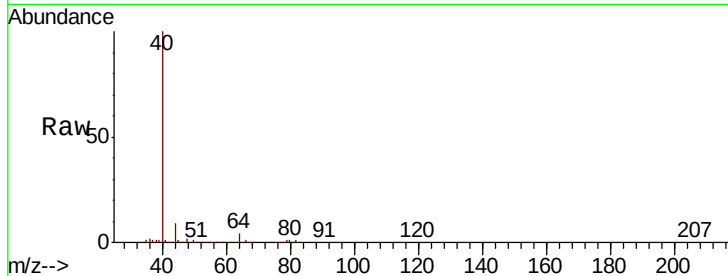
VX0327WBL01

Tot Ion: 64 Resp: 1649

Ion Ratio Lower Upper

64 100

66 17.0 23.9 35.9#



#14

Acrylonitrile

Concen: 0.213 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX008479.D

Acq: 27 Mar 2019 13:49

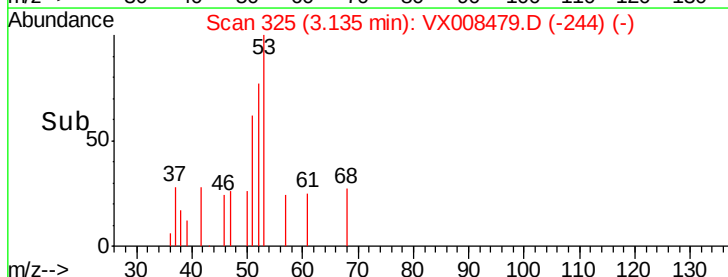
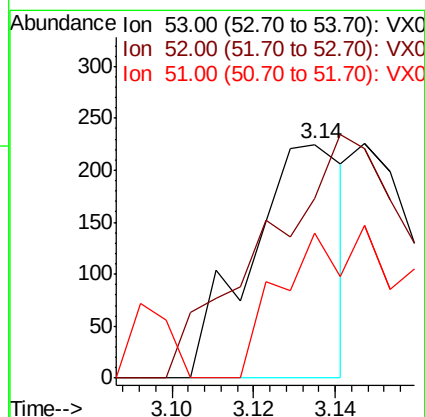
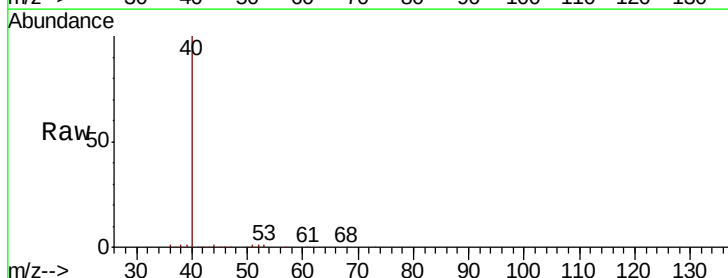
Tgt Ion: 53 Resp: 359

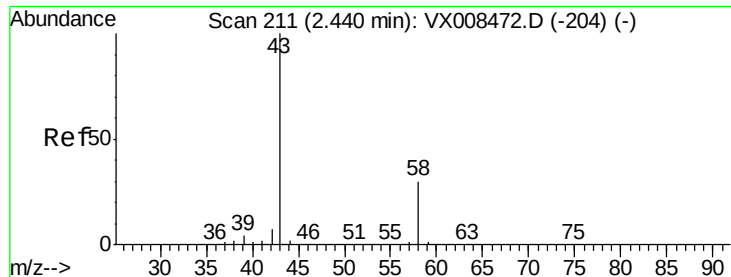
Ion Ratio Lower Upper

53 100

52 163.0 41.3 124.1#

51 66.0 17.5 52.6#





#15

Acetone

Concen: 0.259 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX008479.D

Acq: 27 Mar 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

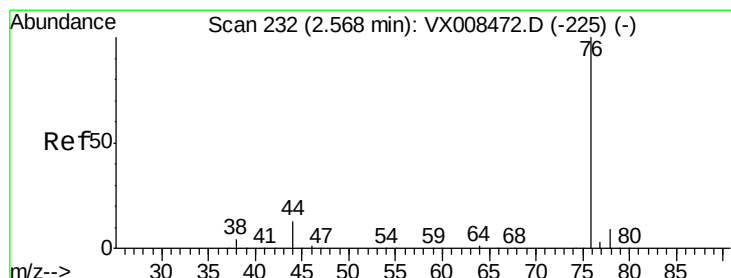
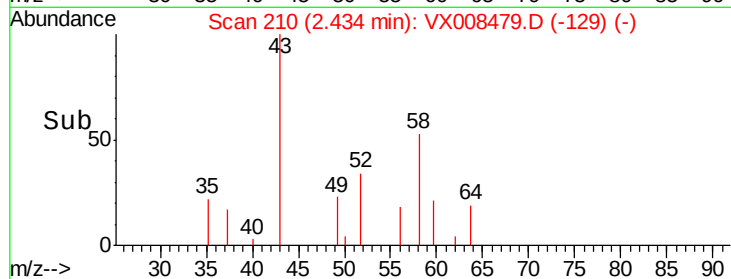
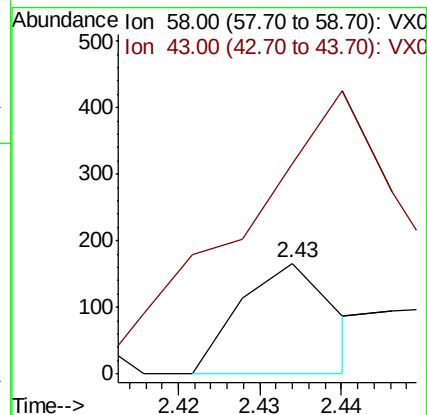
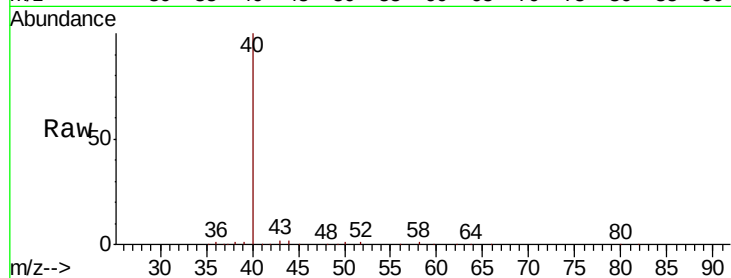
VX0327WBL01

Tot Ion: 58 Resp: 135

Ion Ratio Lower Upper

58 100

43 81.9 249.8 374.6#



#16

Carbon Disulfide

Concen: 0.306 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008479.D

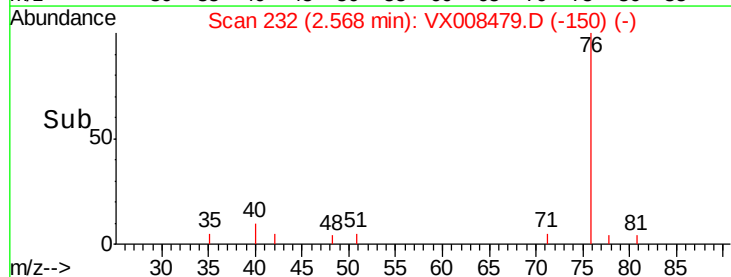
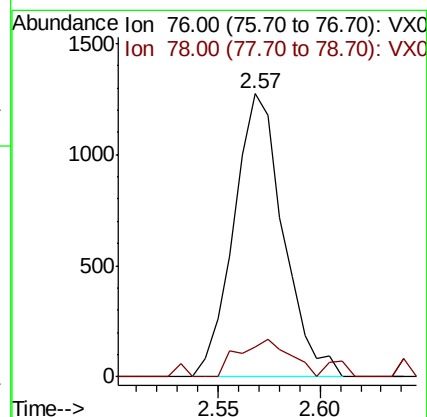
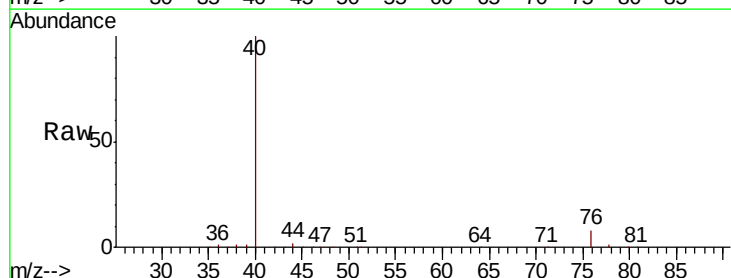
Acq: 27 Mar 2019 13:49

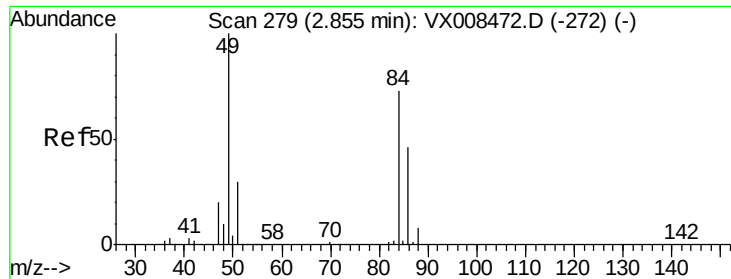
Tgt Ion: 76 Resp: 2145

Ion Ratio Lower Upper

76 100

78 10.5 7.5 11.3

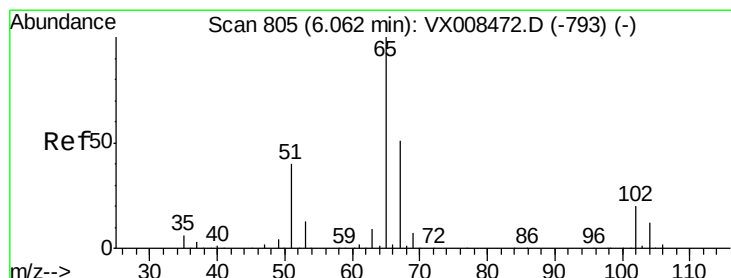
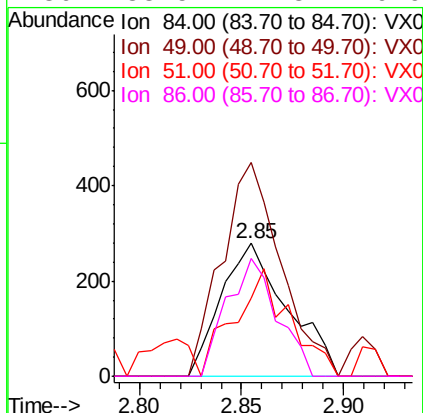
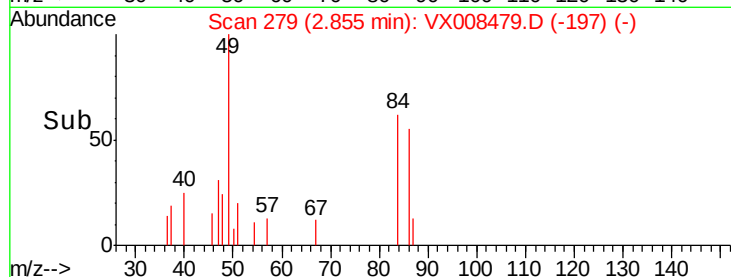
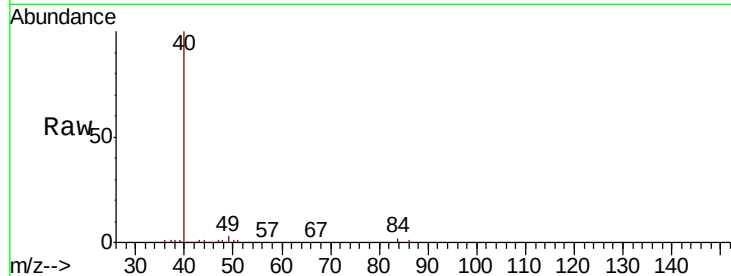




#18
Methylene Chloride
Concen: 0.233 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008479.D
Acq: 27 Mar 2019 13:49

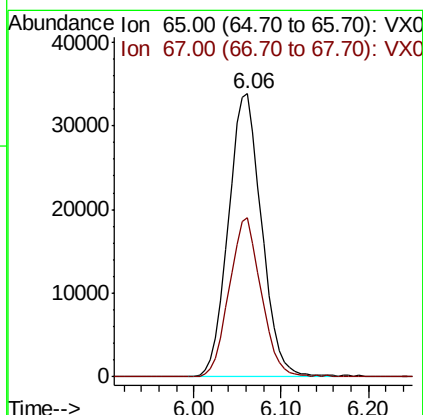
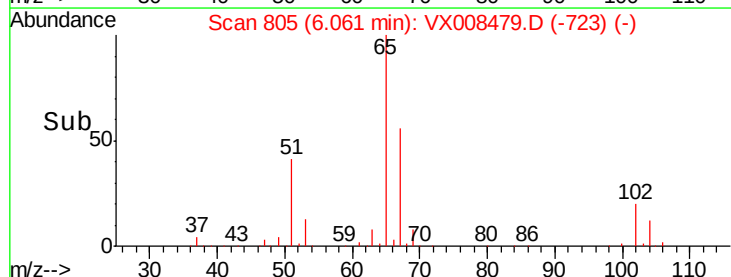
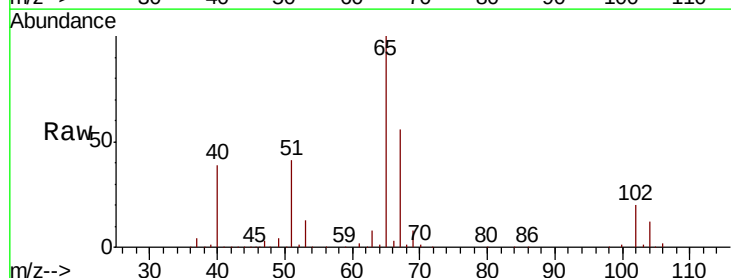
Instrument :
MSVOA_X
ClientSampleId :
VX0327WBL01

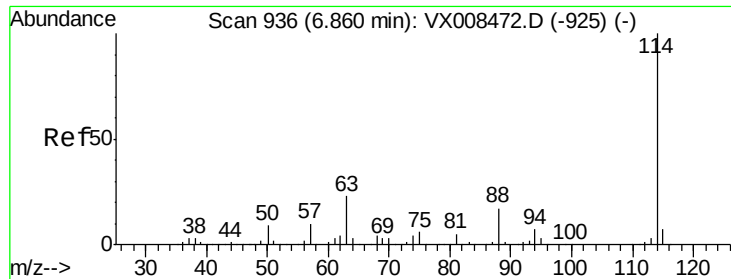
Tot Ion: 84 Resp: 627
Ion Ratio Lower Upper
84 100
49 160.6 96.1 144.1#
51 58.8 29.1 43.7#
86 88.5 47.3 70.9#



#27
1,2-Dichloroethane-d4
Concen: 30.095 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008479.D
Acq: 27 Mar 2019 13:49

Tgt Ion: 65 Resp: 89539
Ion Ratio Lower Upper
65 100
67 53.9 42.9 64.3

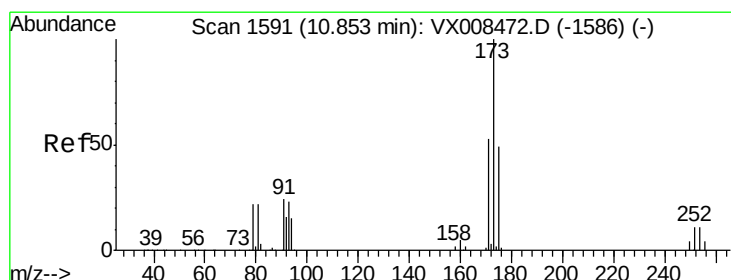
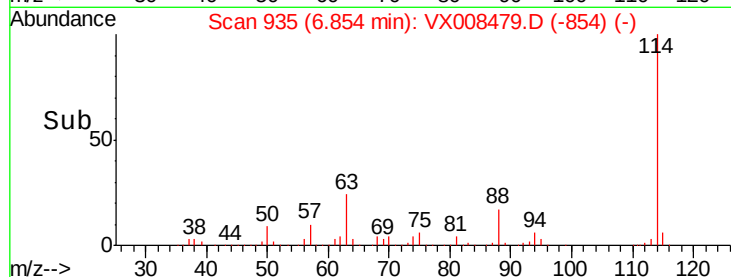
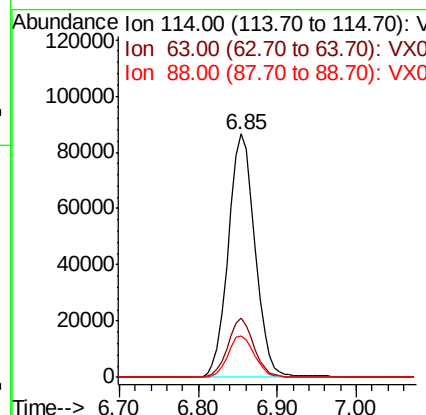
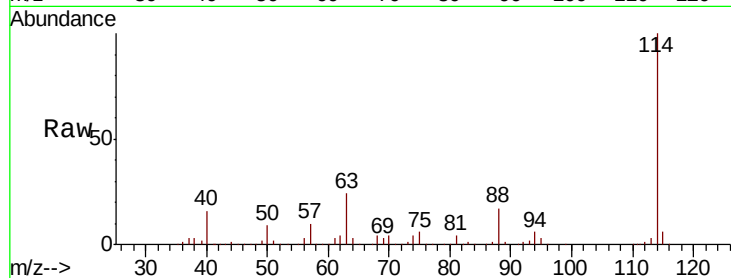




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008479.D
 Acq: 27 Mar 2019 13:49

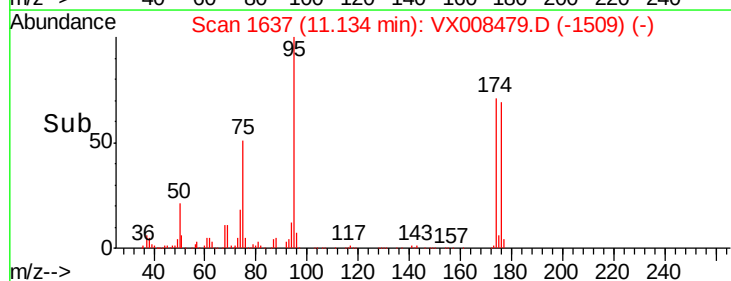
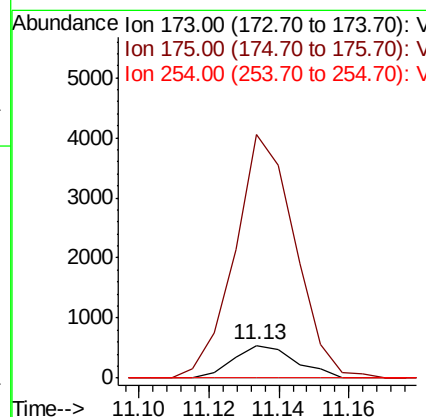
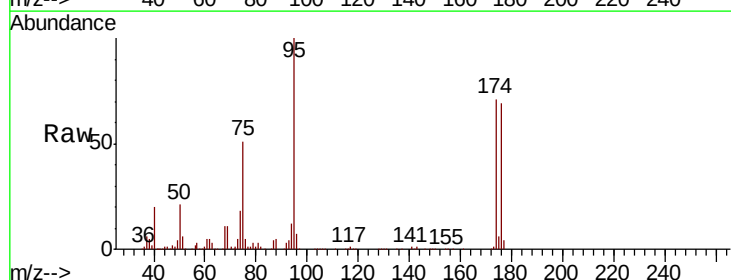
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBL01

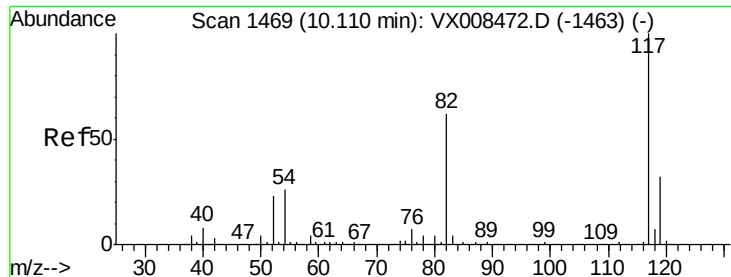
Tot Ion:114 Resp: 205159
 Ion Ratio Lower Upper
 114 100
 63 23.4 14.2 21.4#
 88 16.9 11.9 17.9



#56
 Bromoform
 Concen: 0.370 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.28 min
 Lab File: VX008479.D
 Acq: 27 Mar 2019 13:49

Tgt Ion:173 Resp: 683
 Ion Ratio Lower Upper
 173 100
 175 710.0 38.5 57.7#
 254 0.0 7.4 11.2#

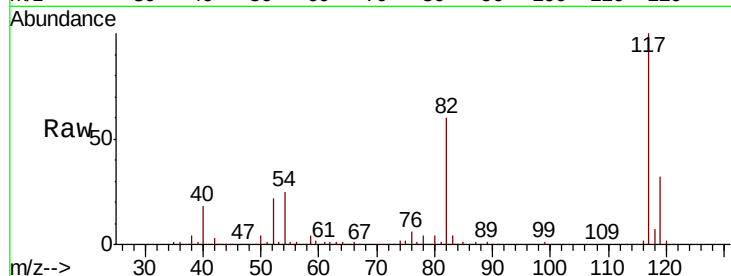




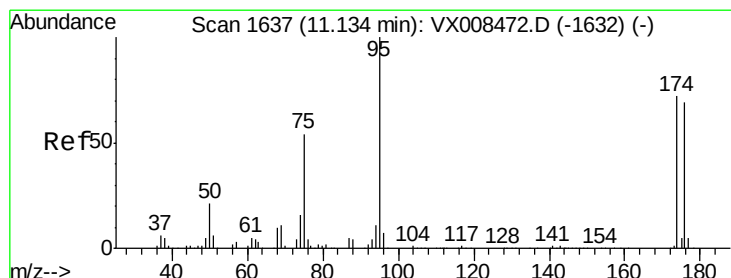
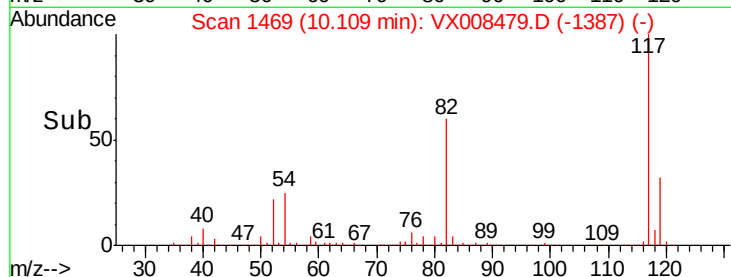
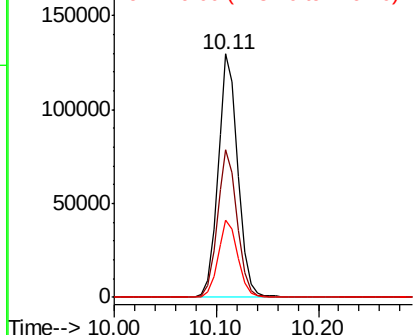
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008479.D
Acq: 27 Mar 2019 13:49

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBL01

Tot Ion:117 Resp: 176013
Ion Ratio Lower Upper
117 100
82 60.3 40.4 60.6
119 31.9 25.8 38.6

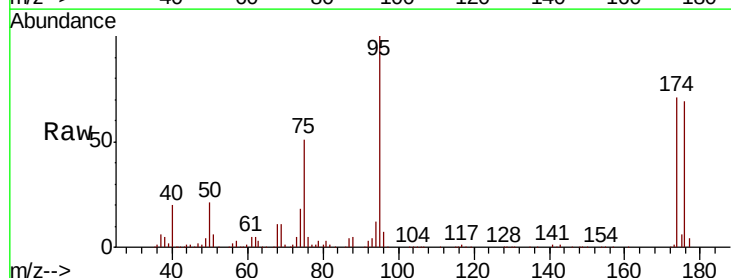


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

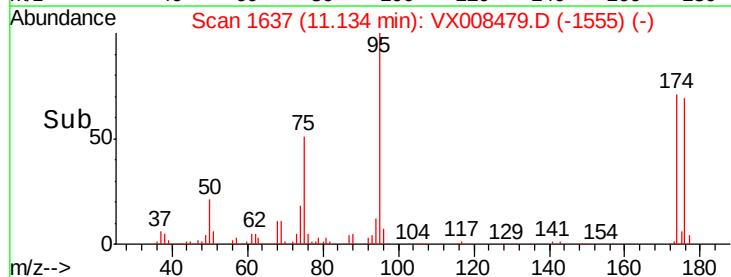
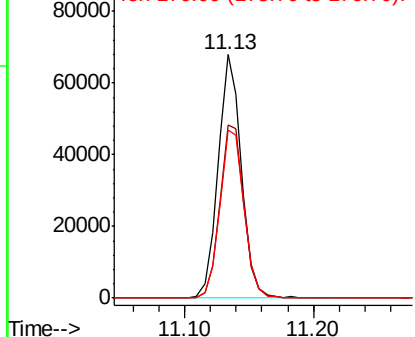


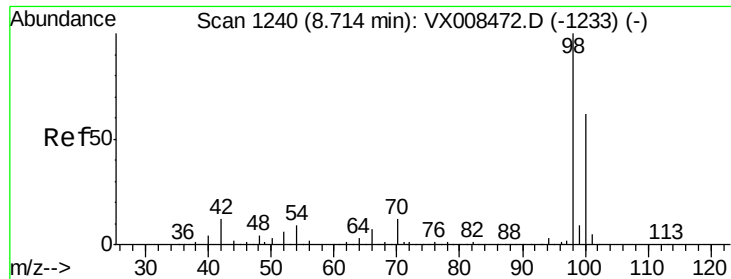
#60
4-Bromofluorobenzene
Concen: 28.086 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008479.D
Acq: 27 Mar 2019 13:49

Tgt Ion: 95 Resp: 86133
Ion Ratio Lower Upper
95 100
174 74.4 74.9 112.3#
176 72.3 70.7 106.1



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 30.478 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008479.D

Acq: 27 Mar 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

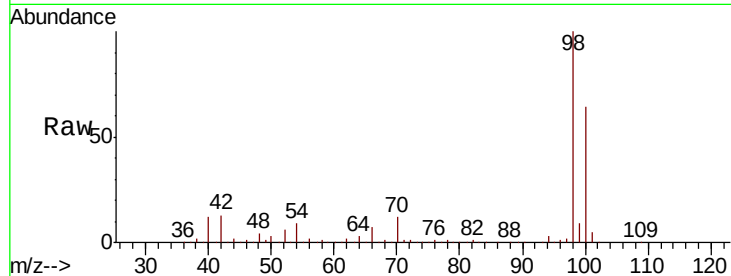
VX0327WBL01

Tot Ion: 98 Resp: 254638

Ion Ratio Lower Upper

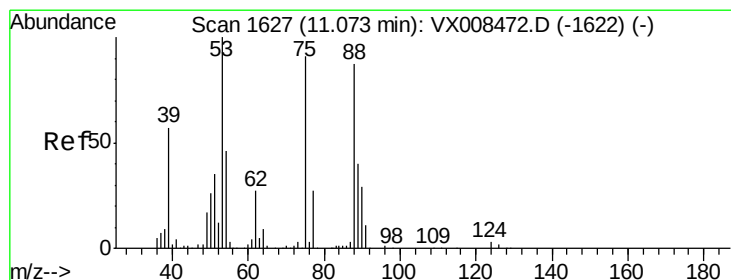
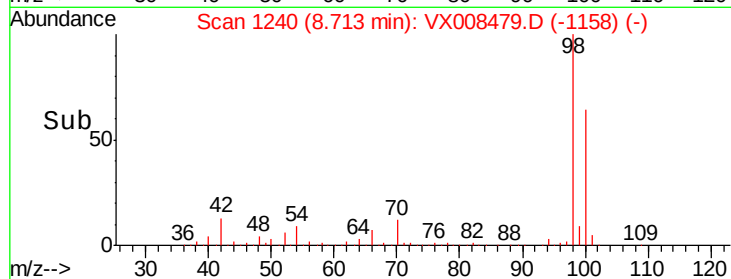
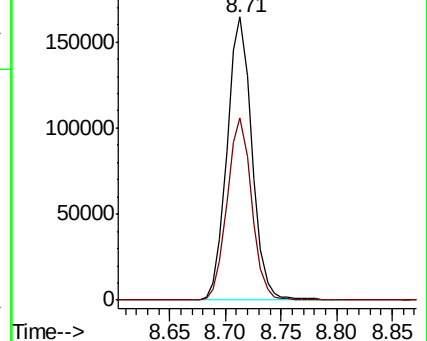
98 100

100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#77

t-1,4-Dichloro-2-butene

Concen: 32.492 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008479.D

Acq: 27 Mar 2019 13:49

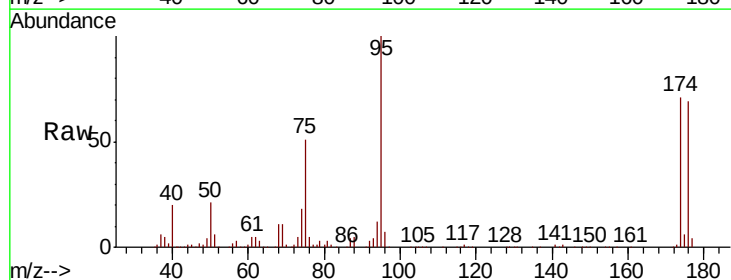
Tgt Ion: 75 Resp: 43829

Ion Ratio Lower Upper

75 100

53 0.0 55.5 166.7#

89 0.0 24.4 73.2#



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

