

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032919\
 Data File : VX008539.D
 Acq On : 29 Mar 2019 13:20
 Operator : JC/SP
 Sample : K2159-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

Quant Time: Mar 29 13:42:00 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	33989	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	198997	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	173075	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	88271	31.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.47%
60) 4-Bromofluorobenzene	11.13	95	85289	28.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.27%
63) Toluene-d8	8.71	98	248852	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

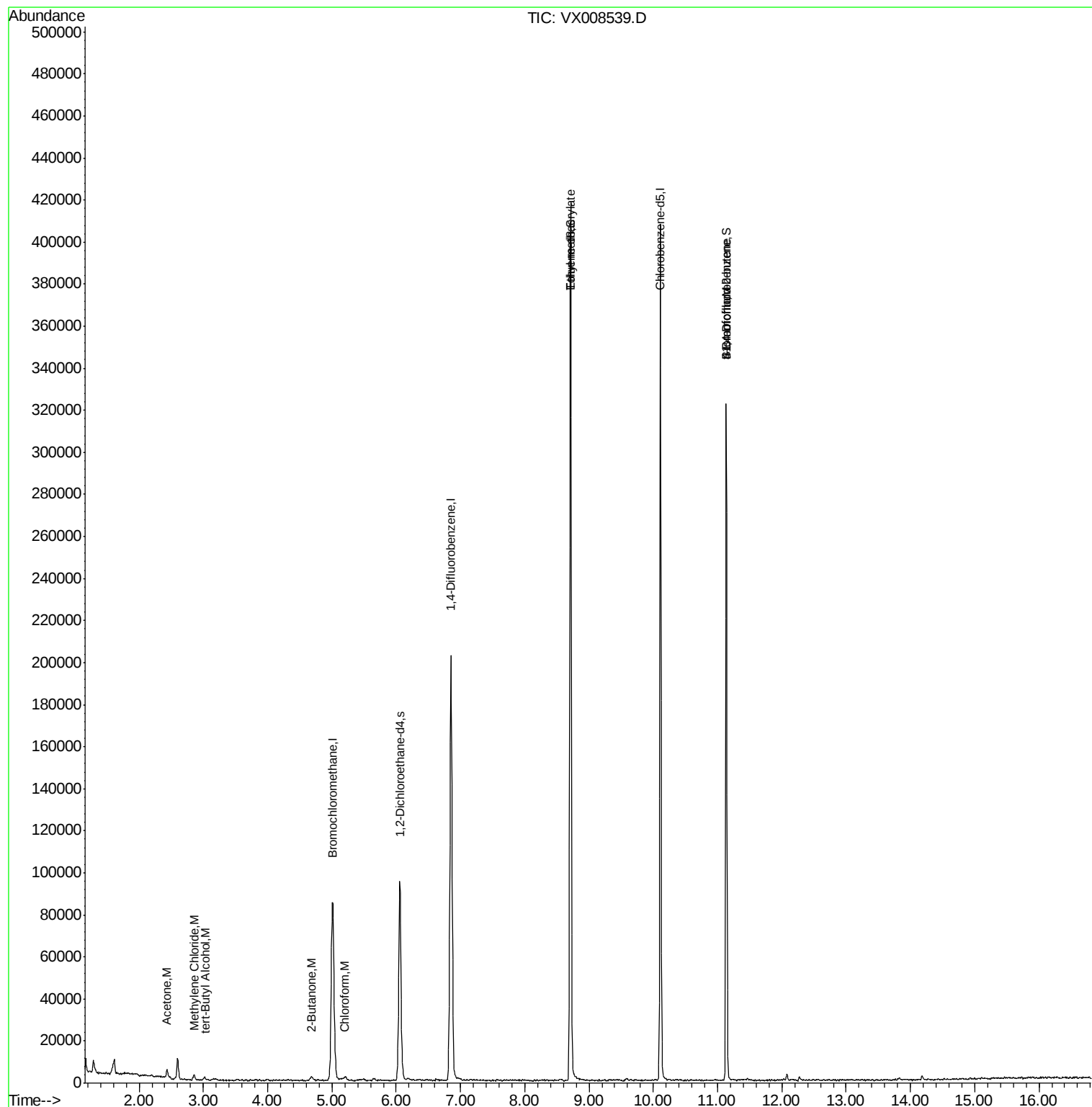
					Qvalue	
15) Acetone	2.43	58	1076	2.163	ug/l	96
18) Methylene Chloride	2.85	84	963	0.374	ug/l #	81
23) tert-Butyl Alcohol	3.03	59	1042	1.600	ug/l #	96
25) Chloroform	5.20	83	1857	0.434	ug/l	100
30) 2-Butanone	4.68	43	716	0.291	ug/l #	89
51) Ethyl methacrylate	8.72	69	985	0.212	ug/l	97
56) Bromoform	11.13	173	865	0.483	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.13	75	43906	33.101	ug/l #	5

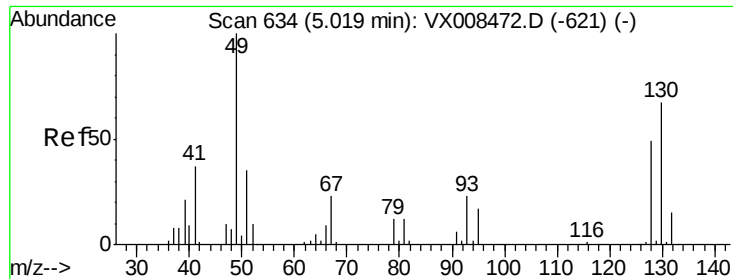
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX032919\
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ClientSampleId :
SPDES-1

Quant Time: Mar 29 13:42:00 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: VX008539.D

Acq: 29 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

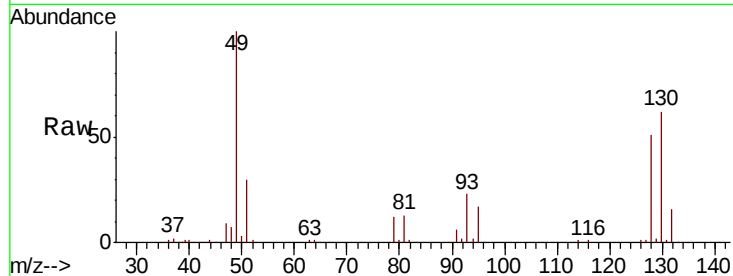
Tgt Ion:128 Resp: 33989

Ion Ratio Lower Upper

128 100

49 207.7 0.0 350.8

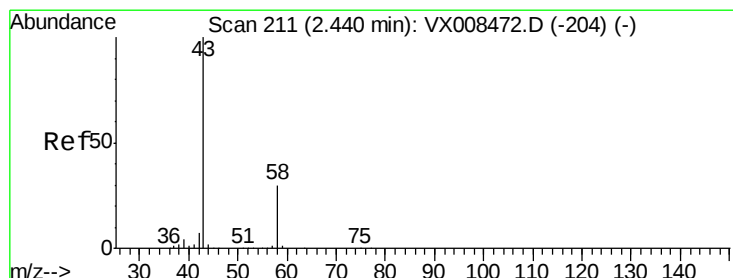
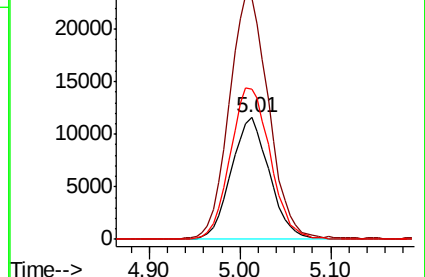
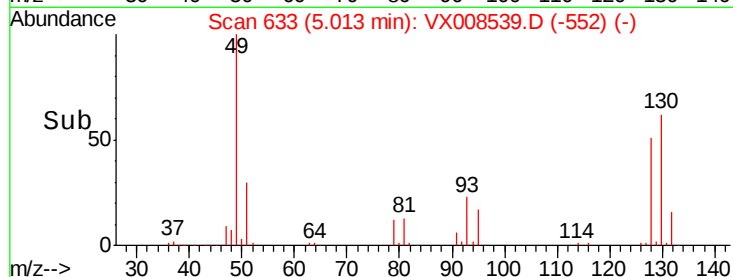
130 129.9 0.0 325.8



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: 2.163 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX008539.D

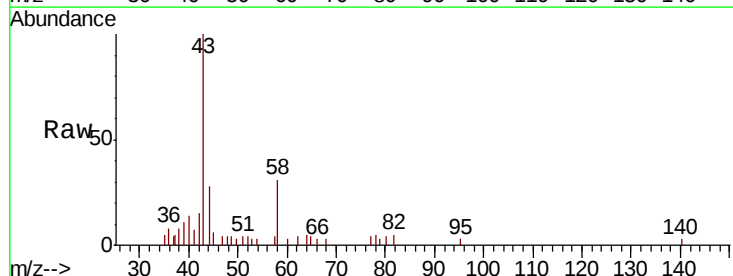
Acq: 29 Mar 2019 13:20

Tgt Ion: 58 Resp: 1076

Ion Ratio Lower Upper

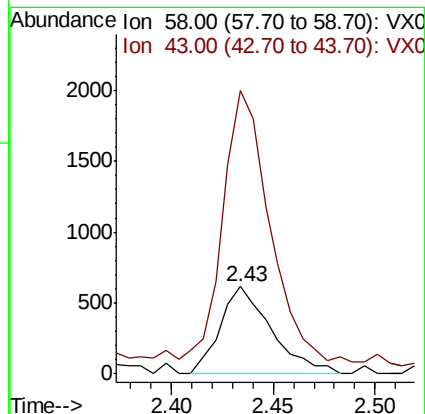
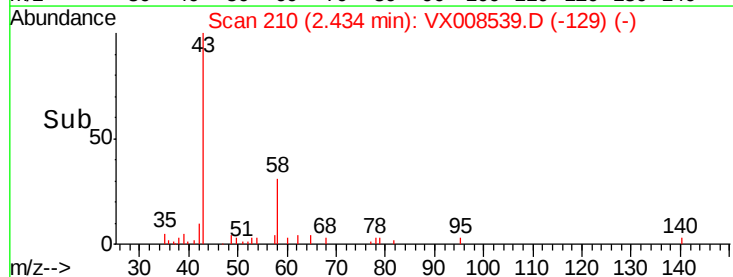
58 100

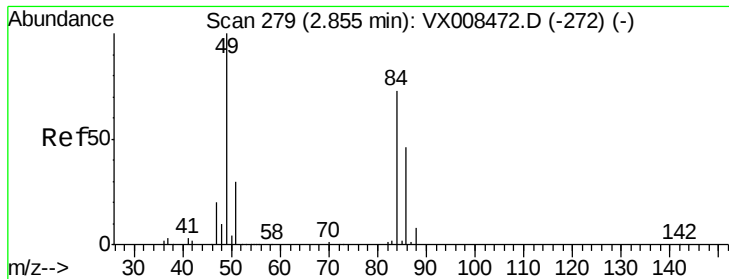
43 305.0 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

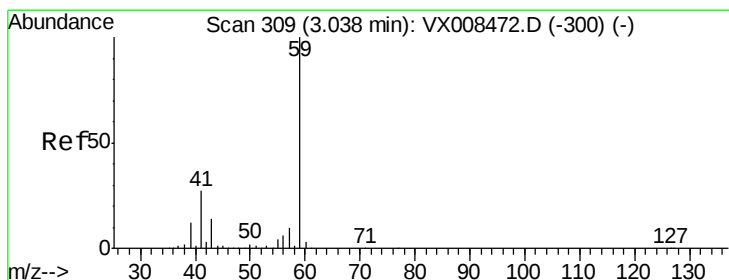
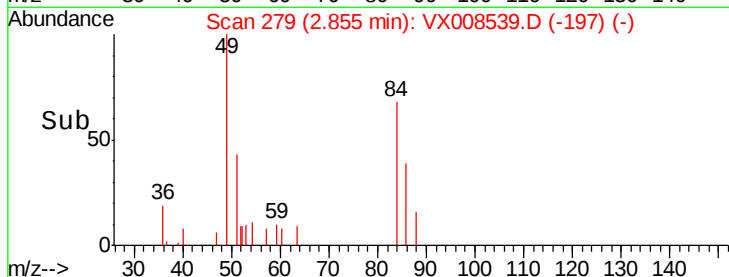
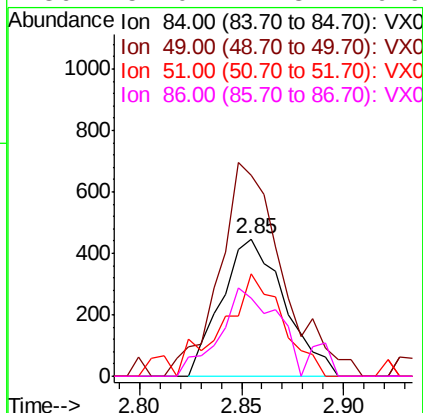
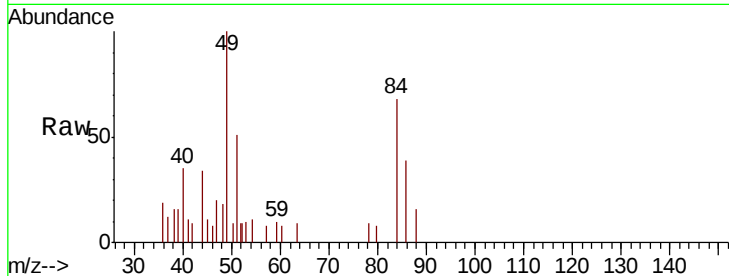




#18
Methylene Chloride
Concen: 0.374 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008539.D
Acq: 29 Mar 2019 13:20

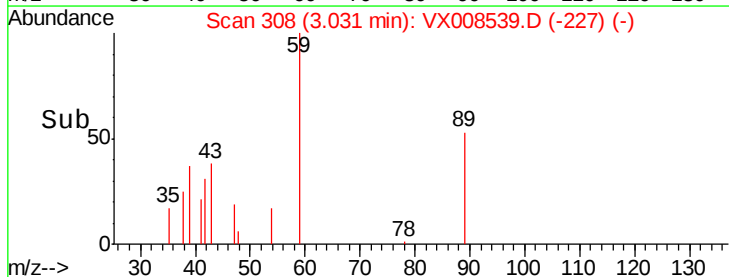
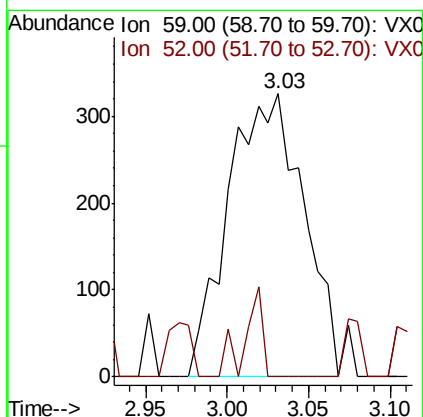
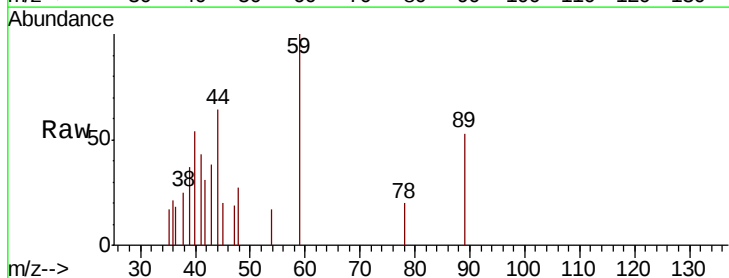
Instrument :
MSVOA_X
ClientSampled :
SPDES-1

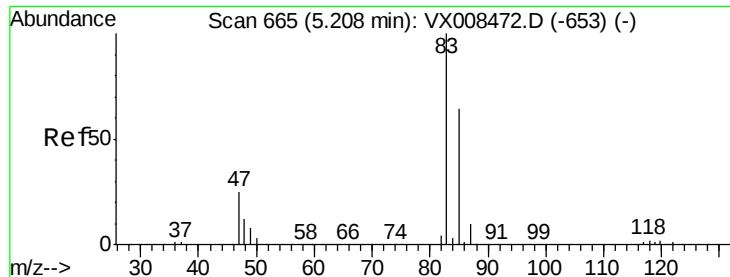
Tgt Ion: 84 Resp: 963
Ion Ratio Lower Upper
84 100
49 134.0 96.1 144.1
51 74.5 29.1 43.7#
86 57.0 47.3 70.9



#23
tert-Butyl Alcohol
Concen: 1.600 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX008539.D
Acq: 29 Mar 2019 13:20

Tgt Ion: 59 Resp: 1042
Ion Ratio Lower Upper
59 100
52 5.7 0.2 0.2#

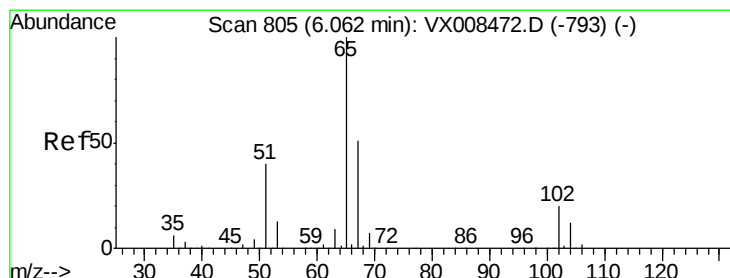
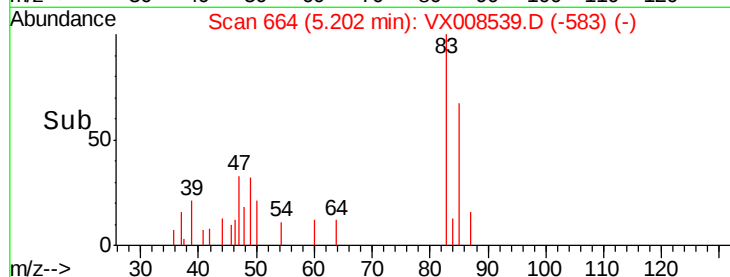
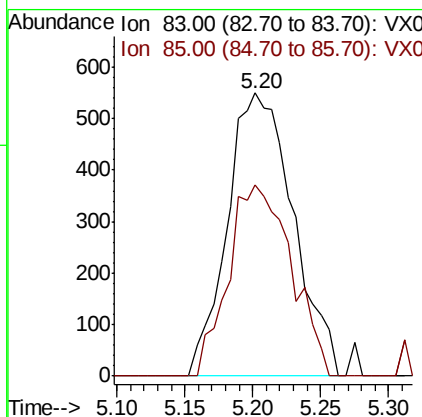
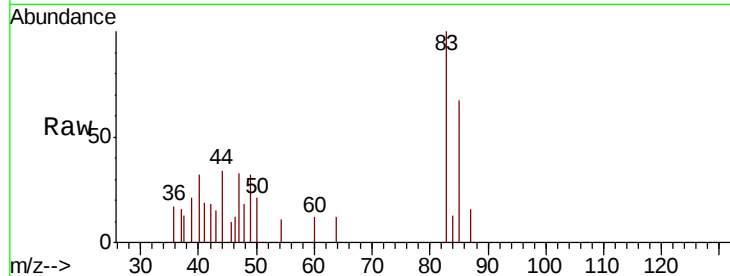




#25
Chloroform
Concen: 0.434 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX008539.D
Acq: 29 Mar 2019 13:20

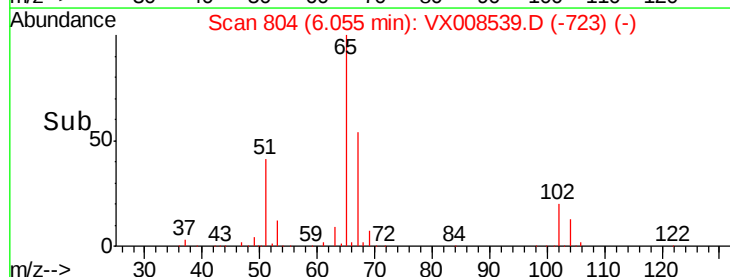
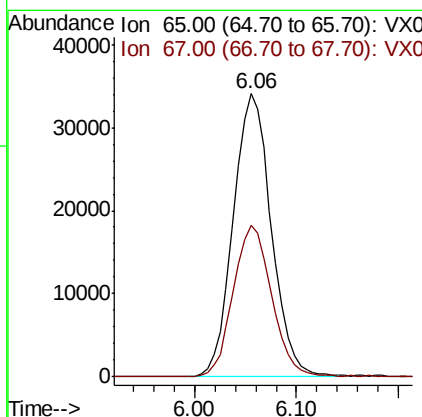
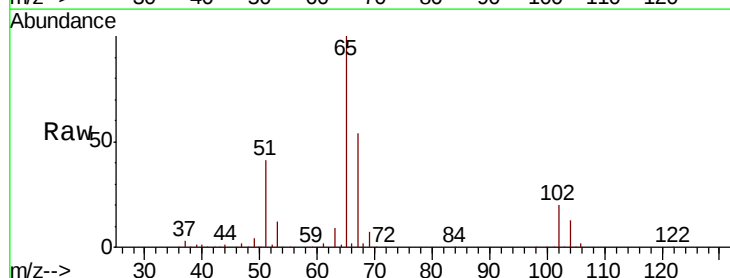
Instrument :
MSVOA_X
ClientSampled :
SPDES-1

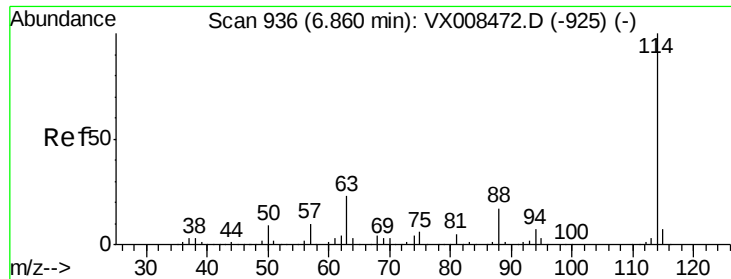
Tgt Ion: 83 Resp: 1857
Ion Ratio Lower Upper
83 100
85 67.5 53.8 80.6



#27
1,2-Dichloroethane-d4
Concen: 31.045 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX008539.D
Acq: 29 Mar 2019 13:20

Tgt Ion: 65 Resp: 88271
Ion Ratio Lower Upper
65 100
67 54.0 42.9 64.3

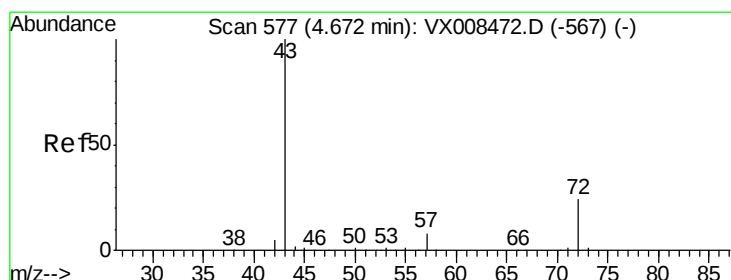
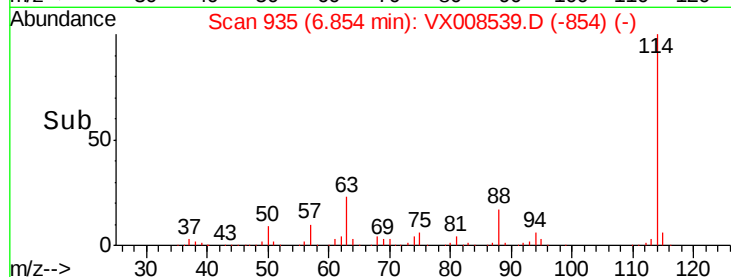
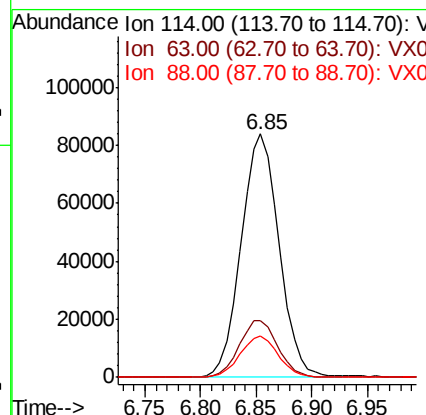
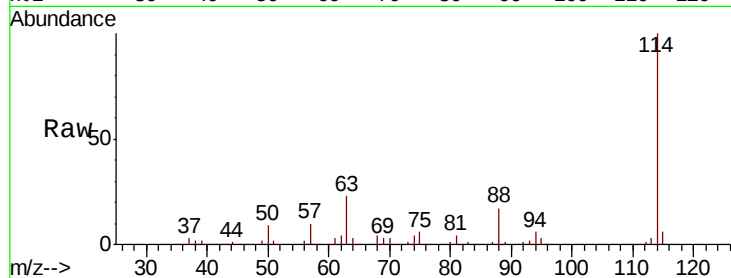




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008539.D
 Acq: 29 Mar 2019 13:20

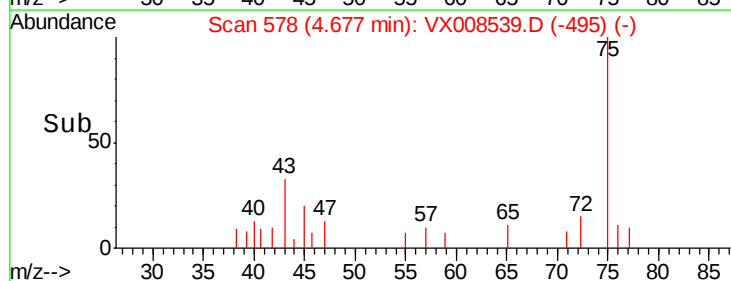
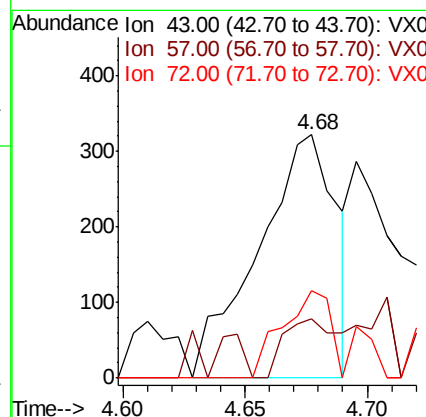
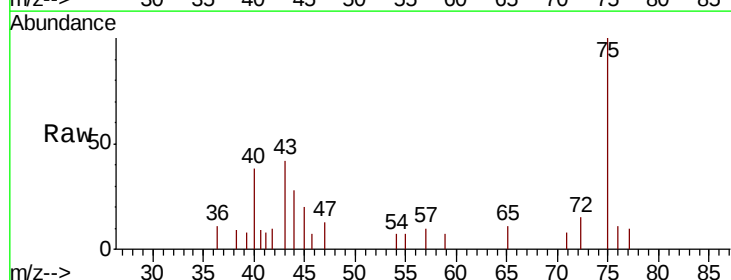
Instrument :
 MSVOA_X
 ClientSampled :
 SPDES-1

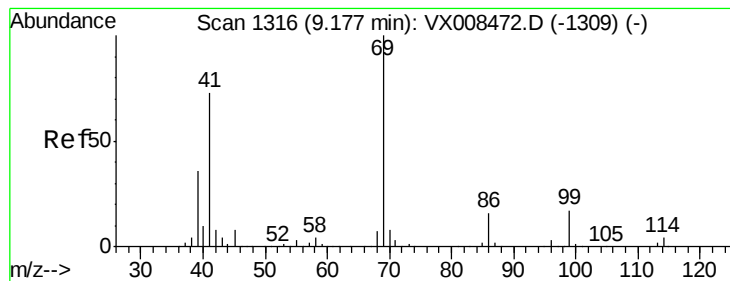
Tgt Ion: 114 Resp: 198997
 Ion Ratio Lower Upper
 114 100
 63 23.9 14.2 21.4#
 88 17.1 11.9 17.9



#30
 2-Butanone
 Concen: 0.291 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX008539.D
 Acq: 29 Mar 2019 13:20

Tgt Ion: 43 Resp: 716
 Ion Ratio Lower Upper
 43 100
 57 13.7 7.0 10.6#
 72 21.9 21.5 32.3





#51

Ethyl methacrylate

Concen: 0.212 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.46 min

Lab File: VX008539.D

Acq: 29 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

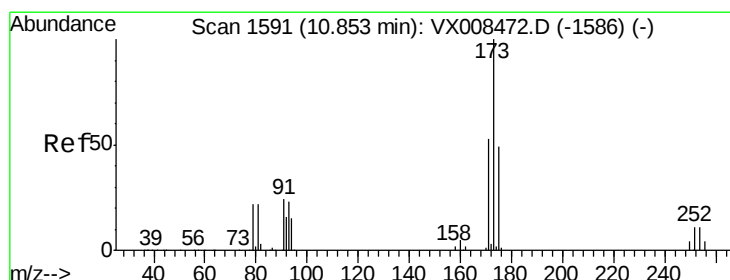
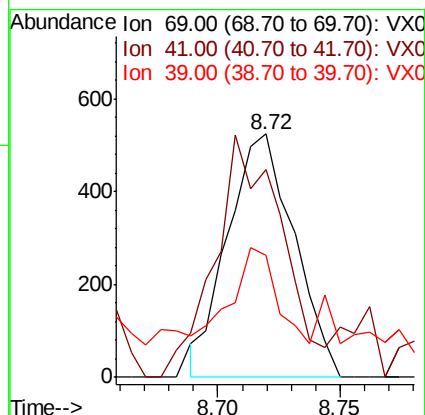
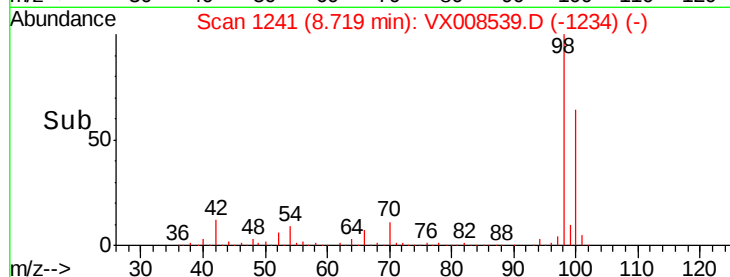
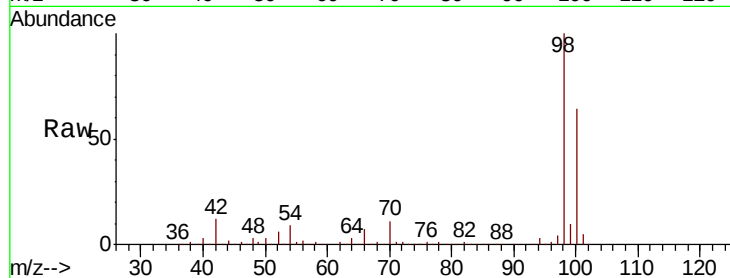
Tgt Ion: 69 Resp: 985

Ion Ratio Lower Upper

69 100

41 67.4 32.1 96.5

39 36.3 18.8 56.3



#56

Bromoform

Concen: 0.483 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.28 min

Lab File: VX008539.D

Acq: 29 Mar 2019 13:20

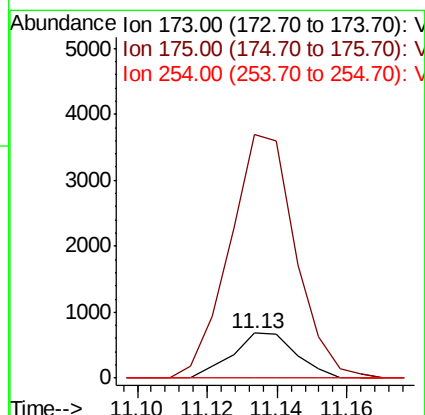
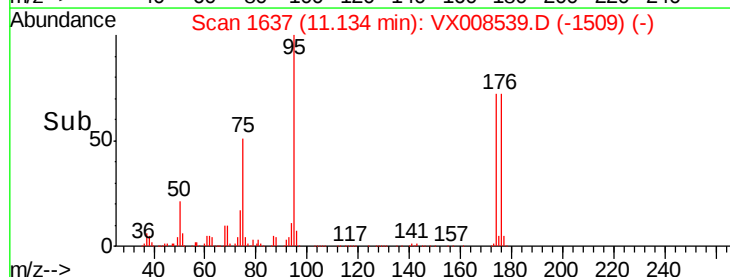
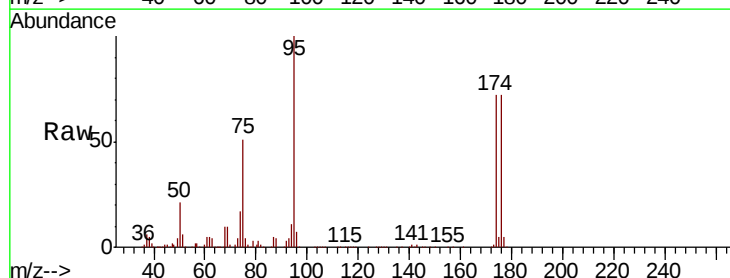
Tgt Ion: 173 Resp: 865

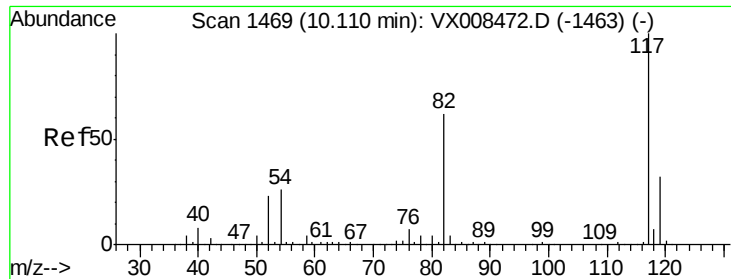
Ion Ratio Lower Upper

173 100

175 560.1 38.5 57.7#

254 0.0 7.4 11.2#

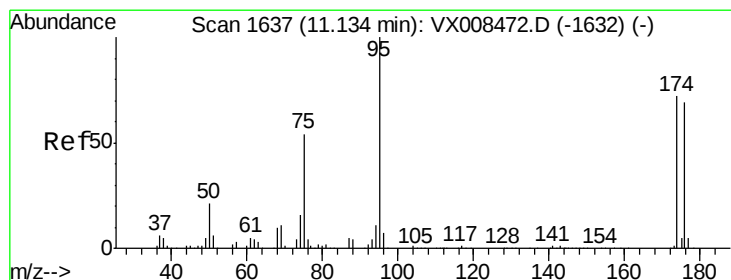
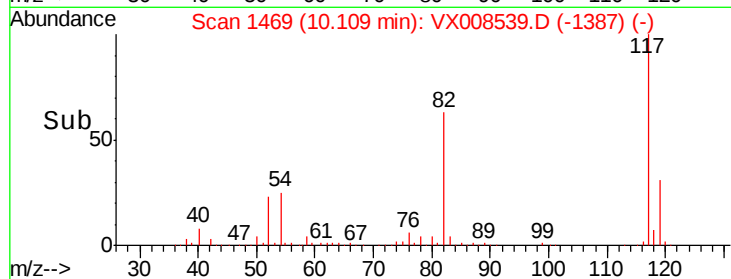
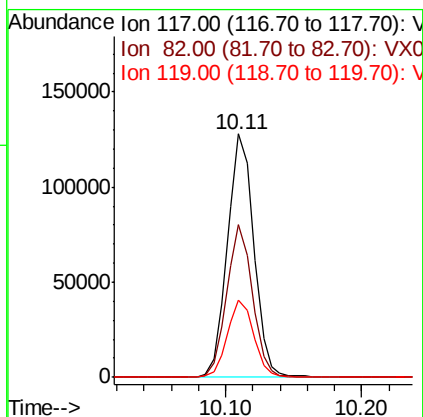
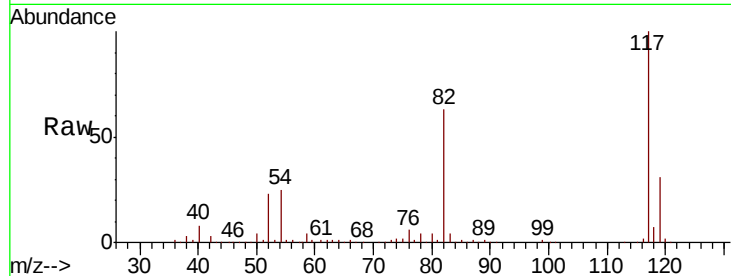




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008539.D
Acq: 29 Mar 2019 13:20

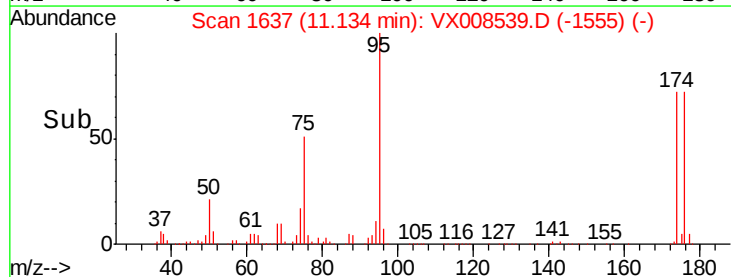
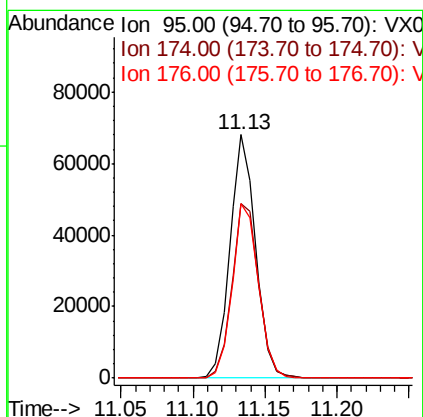
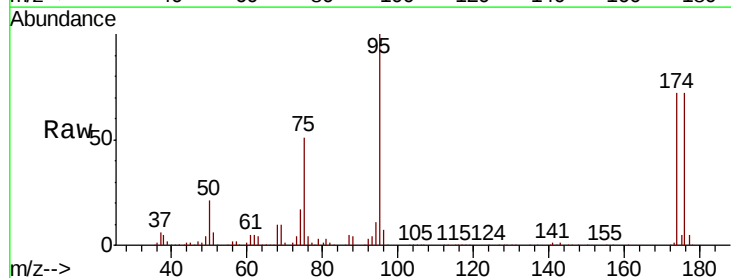
Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

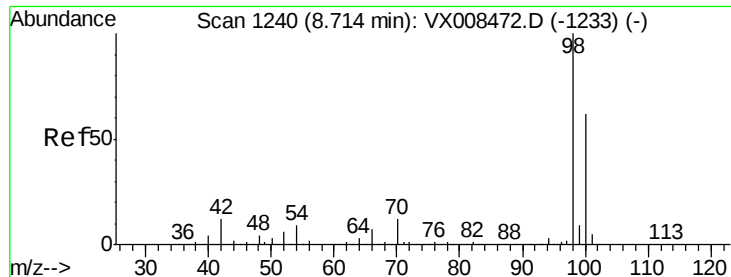
Tgt Ion: 117 Resp: 173075
Ion Ratio Lower Upper
117 100
82 61.1 40.4 60.6#
119 31.9 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 28.283 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008539.D
Acq: 29 Mar 2019 13:20

Tgt Ion: 95 Resp: 85289
Ion Ratio Lower Upper
95 100
174 74.2 74.9 112.3#
176 73.0 70.7 106.1





#63

Toluene-d8

Concen: 30.291 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008539.D

Acq: 29 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

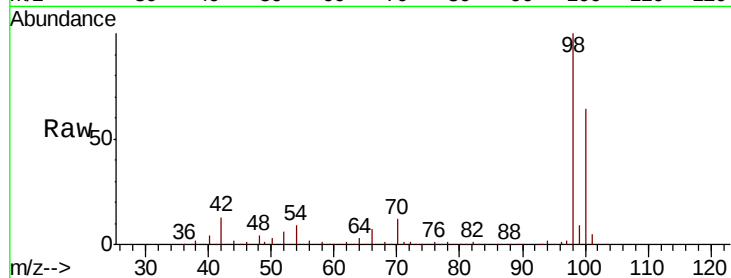
SPDES-1

Tgt Ion: 98 Resp: 248852

Ion Ratio Lower Upper

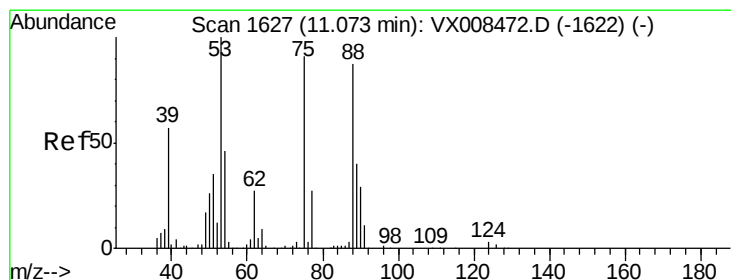
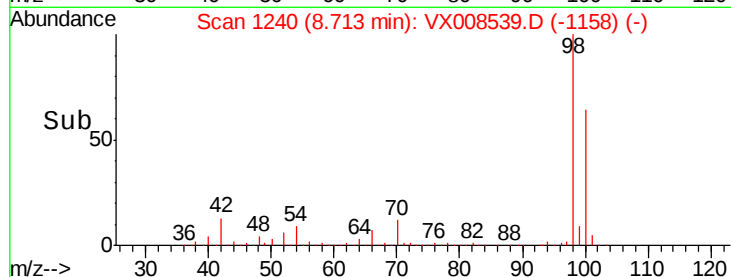
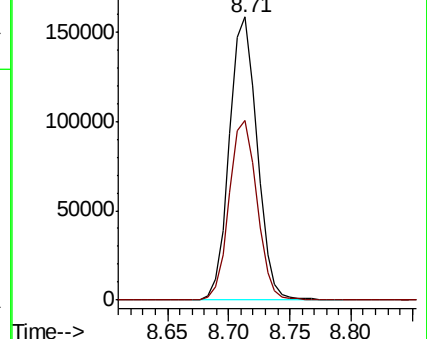
98 100

100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#77

t-1,4-Dichloro-2-butene

Concen: 33.101 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008539.D

Acq: 29 Mar 2019 13:20

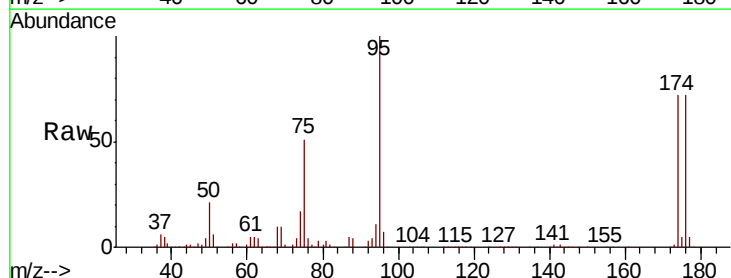
Tgt Ion: 75 Resp: 43906

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

