

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041620\
 Data File : VX015723.D
 Acq On : 16 Apr 2020 19:24
 Operator : JC/SP
 Sample : L2294-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW130-200413

Quant Time: Apr 17 06:53:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1059506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1654046	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1603930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	899778	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	646227	43.25	ug/l	0.00
Spiked Amount			Recovery	=	86.50%	
35) Dibromofluoromethane	5.47	113	503248	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
50) Toluene-d8	8.70	98	1981564	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	11.12	95	826585	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	

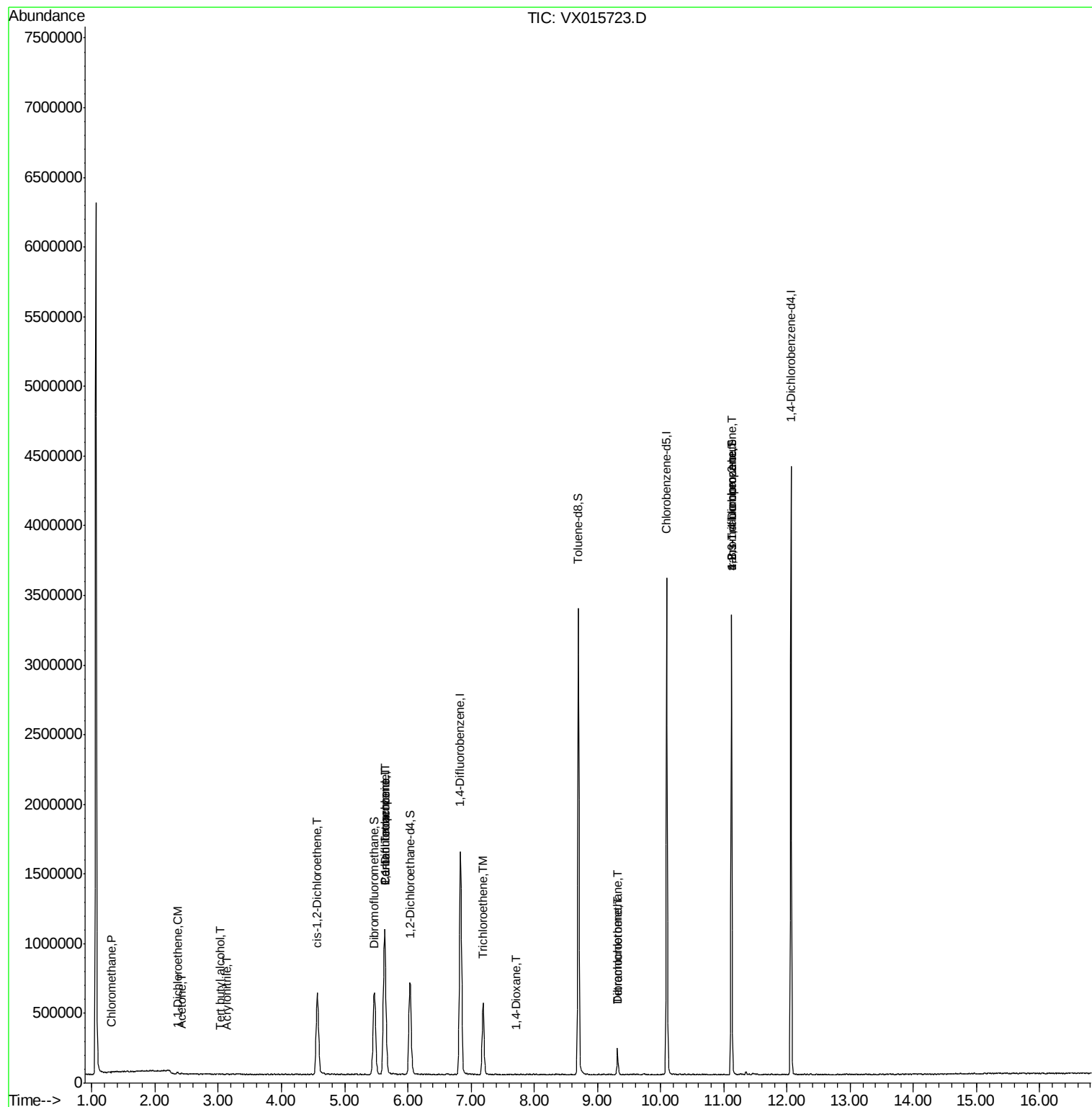
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3068	0.258	ug/l	90
5) Bromomethane	1.64	94	1326	Below Cal	#	53
11) Tert butyl alcohol	3.03	59	1059	0.296	ug/l #	1
12) 1,1-Dichloroethene	2.36	96	3905	0.390	ug/l #	64
15) Acrylonitrile	3.12	53	1759	0.258	ug/l #	39
16) Acetone	2.42	43	6543	1.019	ug/l	90
27) cis-1,2-Dichloroethene	4.57	96	374074	29.125	ug/l	88
36) 1,1-Dichloropropene	5.63	75	73605	4.830	ug/l #	43
38) Carbon Tetrachloride	5.64	117	99120	6.005	ug/l #	15
44) Trichloroethene	7.19	130	204022	16.757	ug/l	97
49) 1,4-Dioxane	7.72	88	134	0.429	ug/l #	1
60) Dibromochloromethane	9.32	129	34543	2.549	ug/l #	13
64) Tetrachloroethene	9.32	164	38955	3.218	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	415253	22.442	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	415253	53.849	ug/l #	10

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015723.D

Acq: 16 Apr 2020 19:24

Instrument :

MSVOA_X

ClientSampleId :

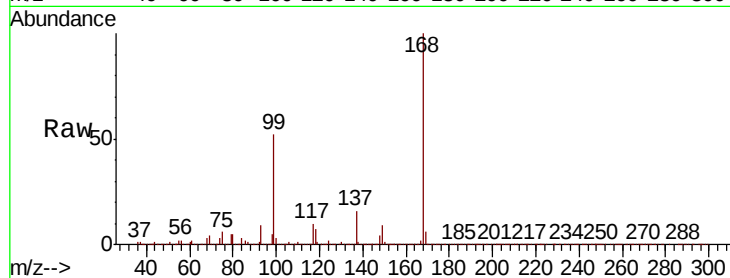
SS042MW130-200413

Tot Ion:168 Resp: 1059506

Ion Ratio Lower Upper

168 100

99 51.6 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

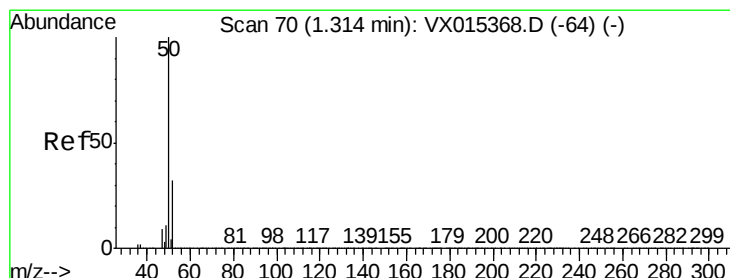
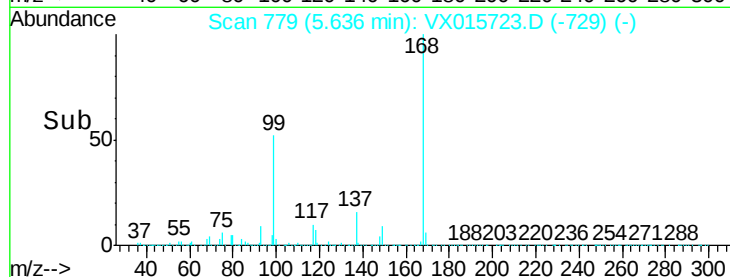
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.258 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015723.D

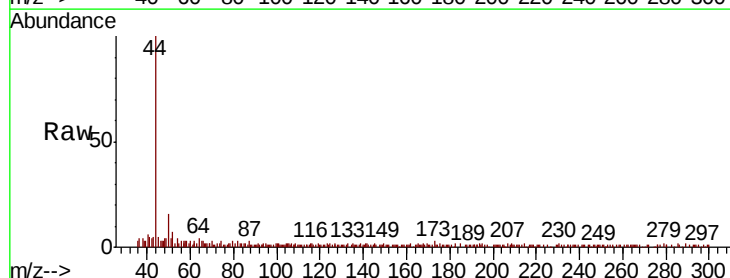
Acq: 16 Apr 2020 19:24

Tgt Ion: 50 Resp: 3068

Ion Ratio Lower Upper

50 100

52 26.0 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2500

2000

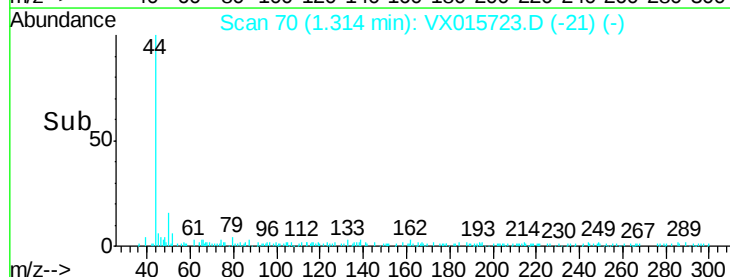
1500

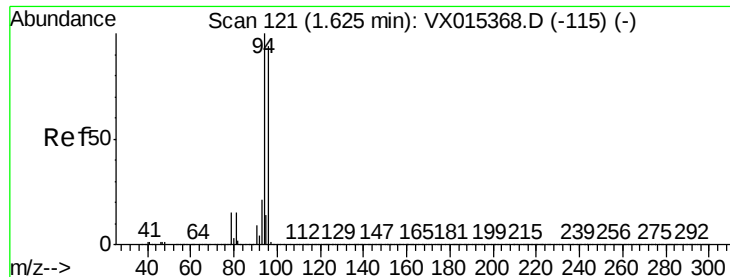
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015723.D

Acq: 16 Apr 2020 19:24

Instrument :

MSVOA_X

ClientSampleId :

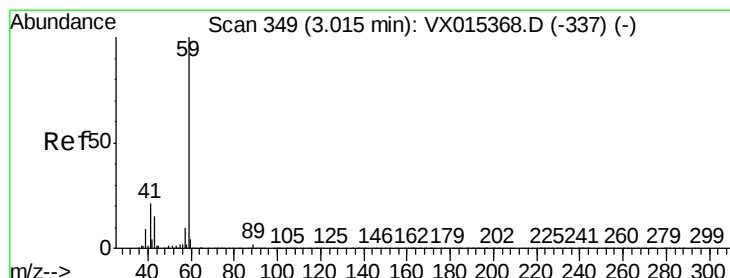
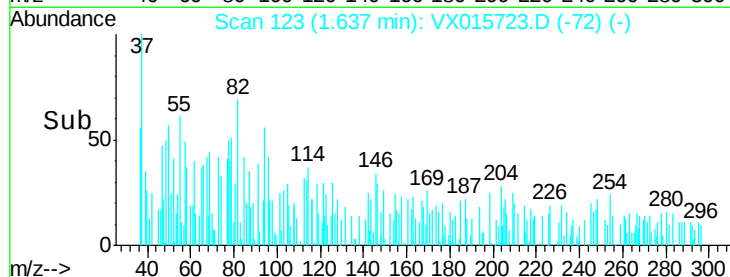
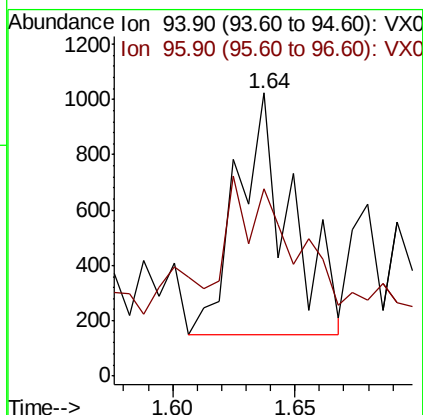
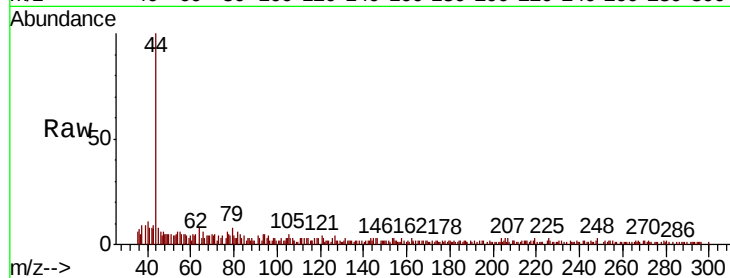
SS042MW130-200413

Tot Ion: 94 Resp: 1326

Ion Ratio Lower Upper

94 100

96 48.6 74.8 112.2#



#11

Tert butyl alcohol

Concen: 0.296 ug/l

RT: 3.03 min Scan# 352

Delta R.T. 0.02 min

Lab File: VX015723.D

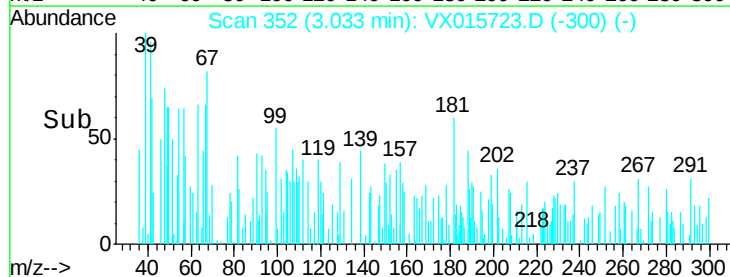
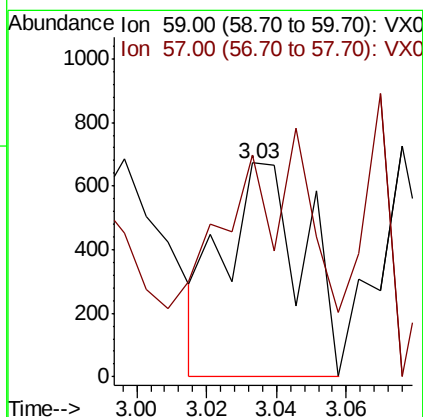
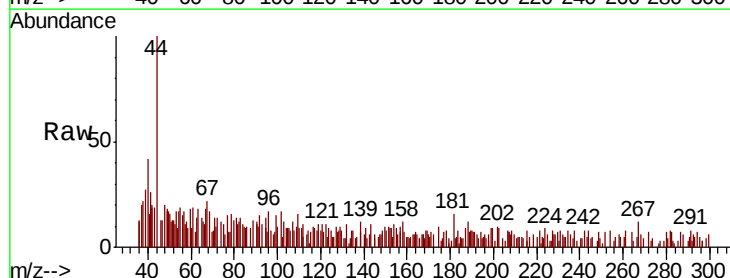
Acq: 16 Apr 2020 19:24

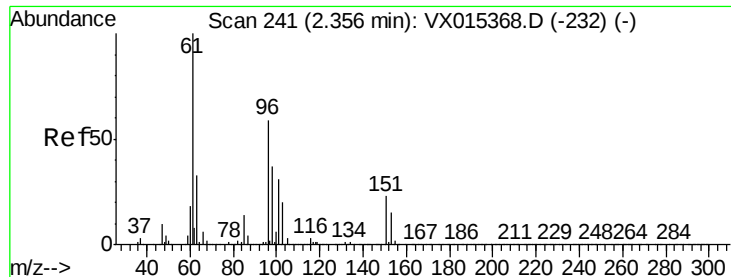
Tgt Ion: 59 Resp: 1059

Ion Ratio Lower Upper

59 100

57 73.4 8.1 12.1#

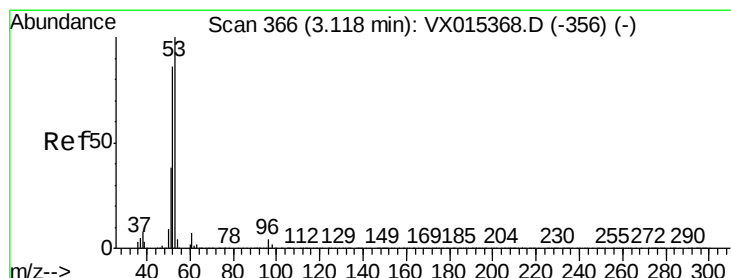
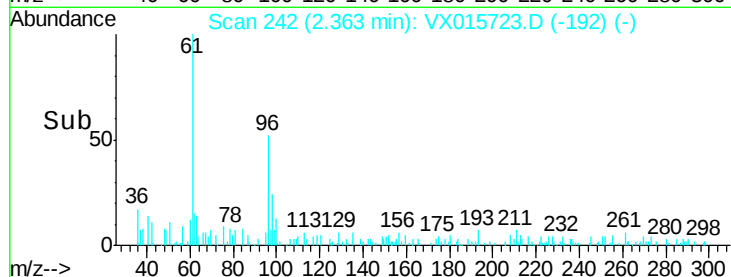
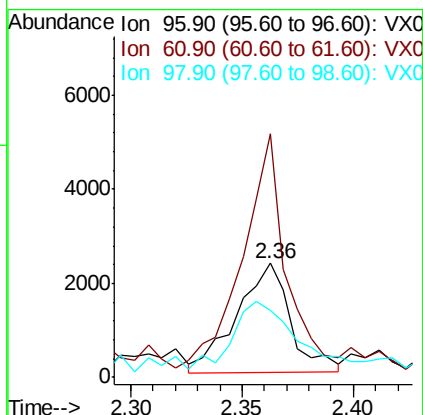
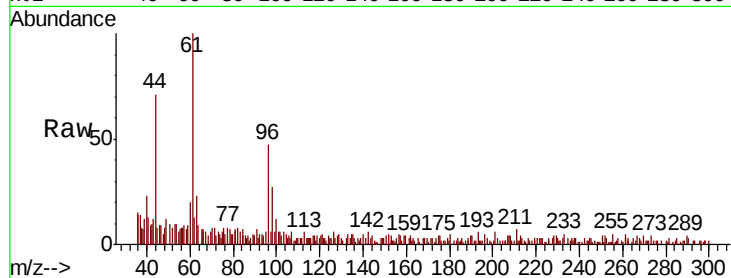




#12
 1,1-Dichloroethene
 Concen: 0.390 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VX015723.D
 Acq: 16 Apr 2020 19:24

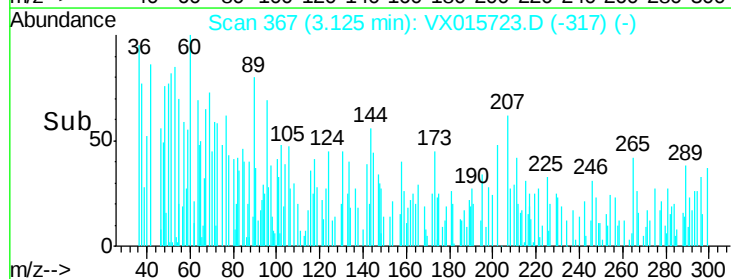
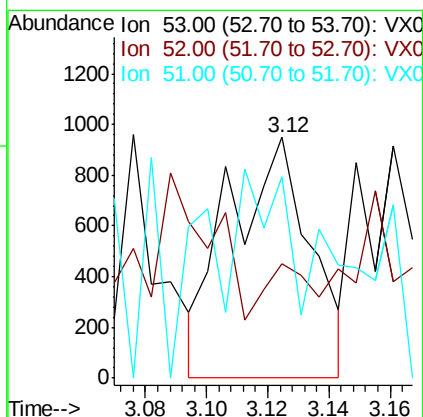
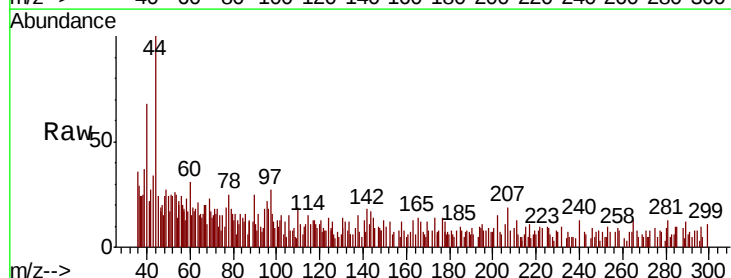
Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW130-200413

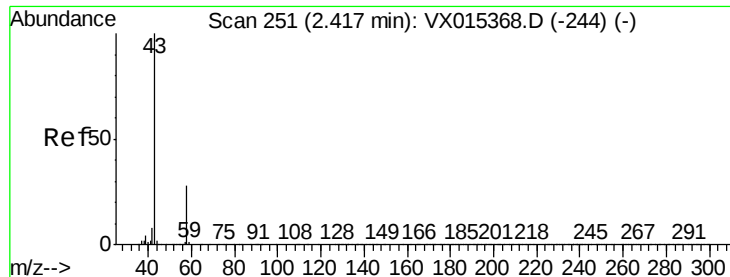
Tot Ion	Ratio	Lower	Upper
96	100		
61	225.3	135.7	203.5#
98	45.4	50.6	75.8#



#15
 Acrylonitrile
 Concen: 0.258 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VX015723.D
 Acq: 16 Apr 2020 19:24

Tgt Ion	Ratio	Lower	Upper
53	100		
52	7.2	66.8	100.2#
51	31.4	29.5	44.3





#16

Acetone

Concen: 1.019 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015723.D

Acq: 16 Apr 2020 19:24

Instrument :

MSVOA_X

ClientSampleId :

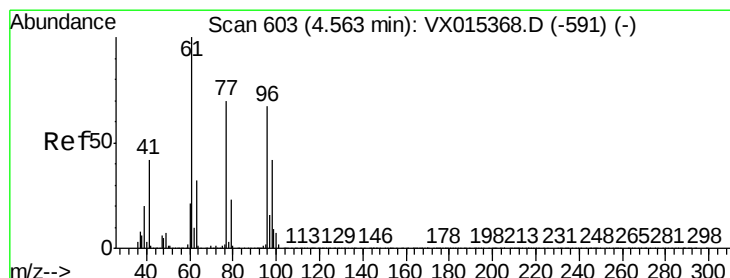
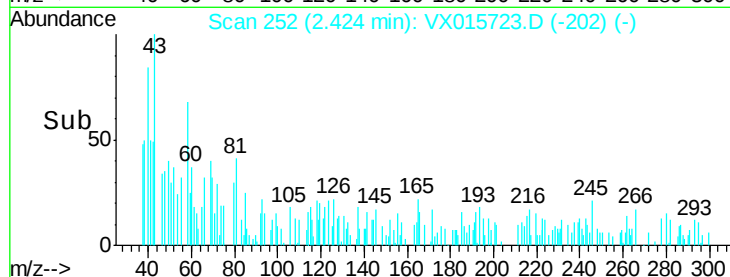
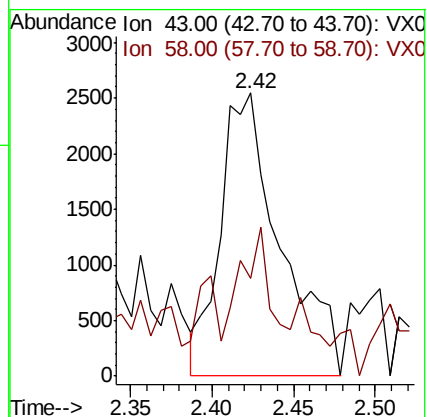
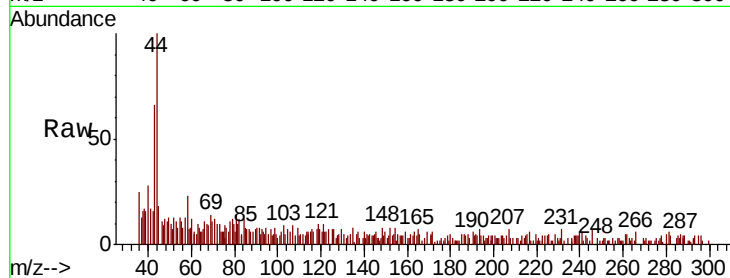
SS042MW130-200413

Tot Ion: 43 Resp: 6543

Ion Ratio Lower Upper

43 100

58 22.2 22.1 33.1



#27

cis-1,2-Dichloroethene

Concen: 29.125 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015723.D

Acq: 16 Apr 2020 19:24

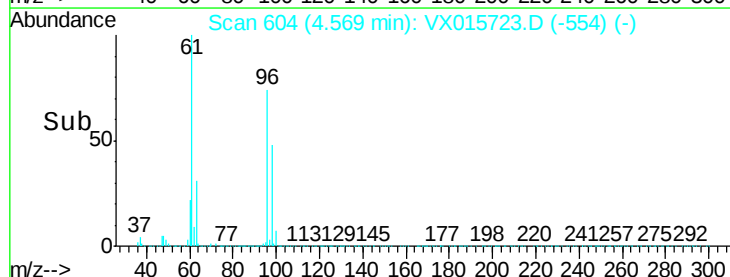
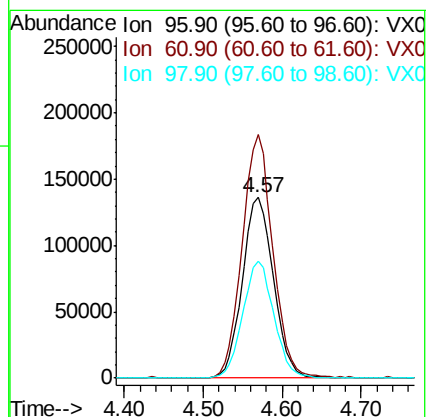
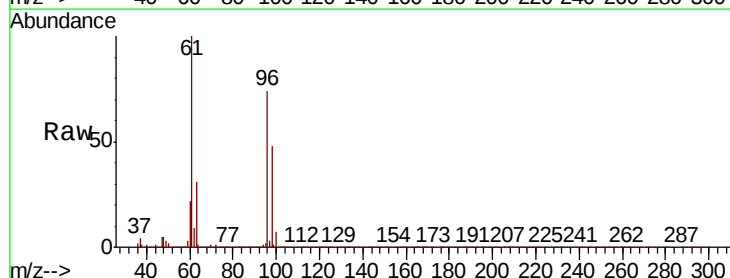
Tgt Ion: 96 Resp: 374074

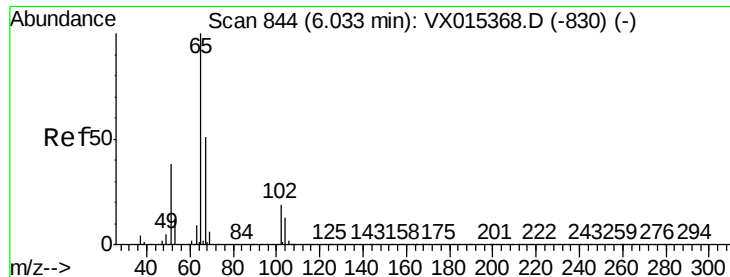
Ion Ratio Lower Upper

96 100

61 131.9 0.0 308.4

98 64.2 0.0 129.2





#33

1,2-Dichloroethane-d4

Concen: 43.246 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015723.D

Acq: 16 Apr 2020 19:24

Instrument :

MSVOA_X

ClientSampleId :

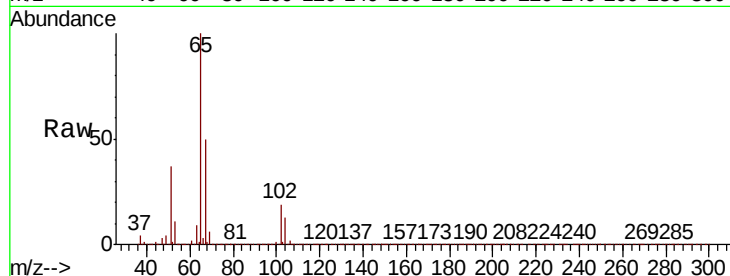
SS042MW130-200413

Tot Ion: 65 Resp: 646227

Ion Ratio Lower Upper

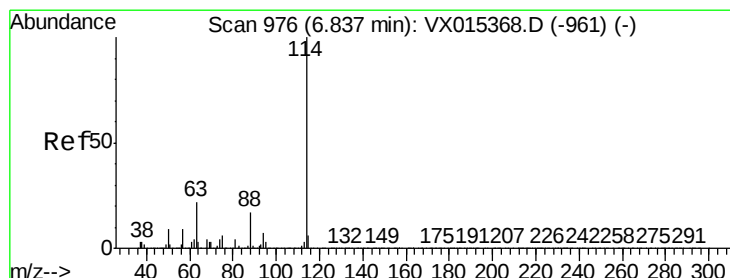
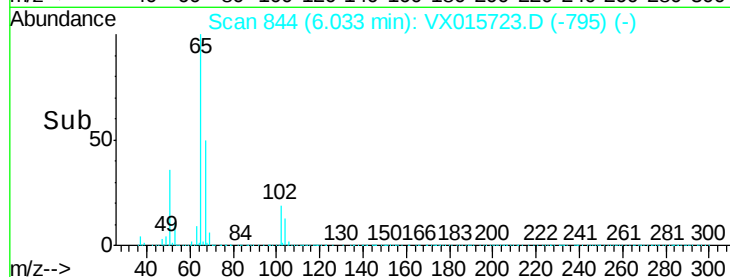
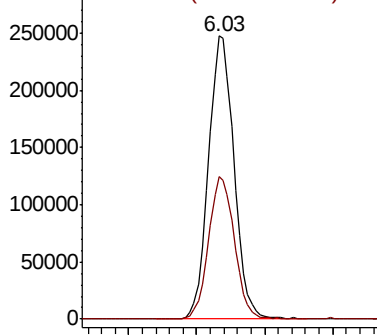
65 100

67 50.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015723.D

Acq: 16 Apr 2020 19:24

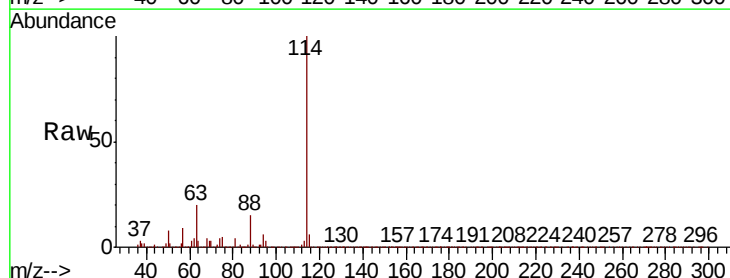
Tgt Ion: 114 Resp: 1654046

Ion Ratio Lower Upper

114 100

63 20.0 0.0 44.2

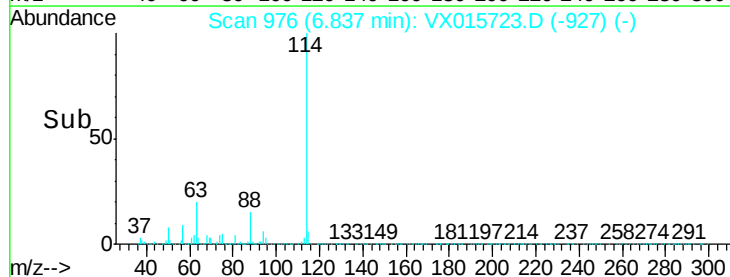
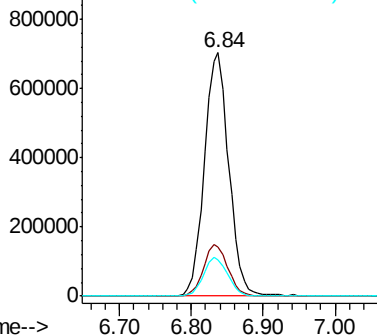
88 14.8 0.0 33.8

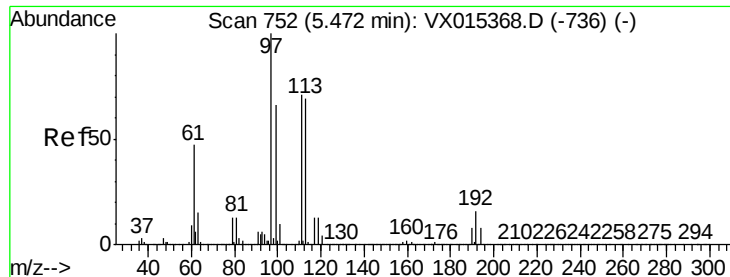


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

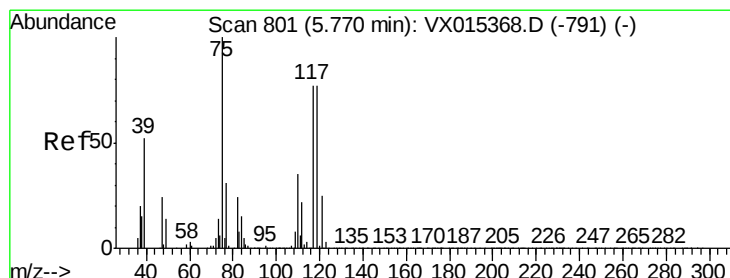
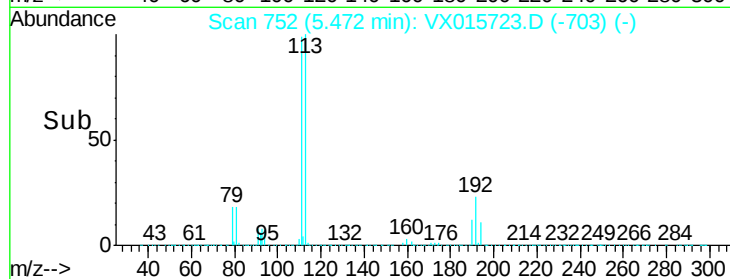
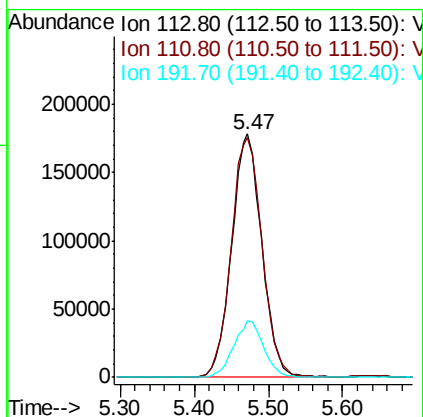
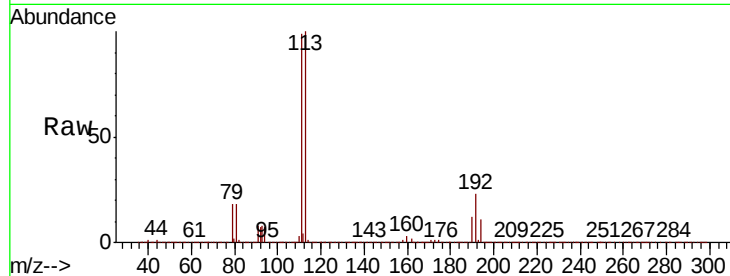




#35
 Dibromofluoromethane
 Concen: 47.597 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015723.D
 Acq: 16 Apr 2020 19:24

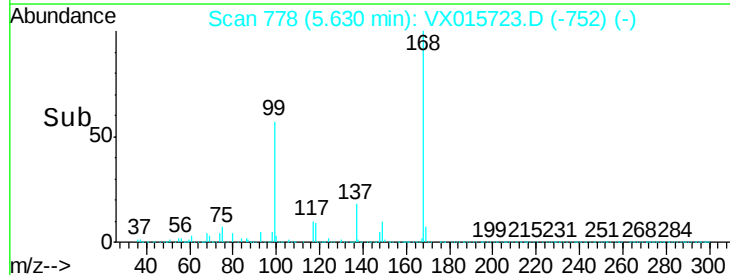
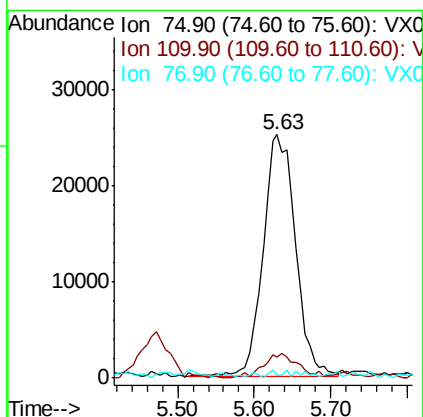
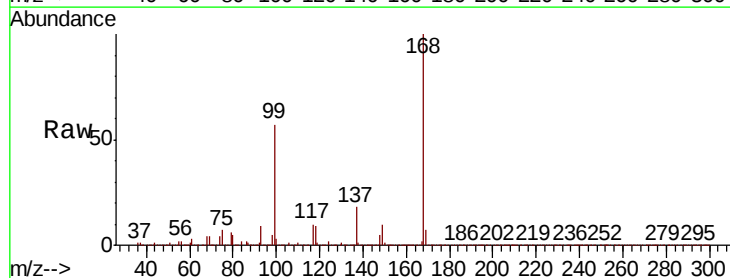
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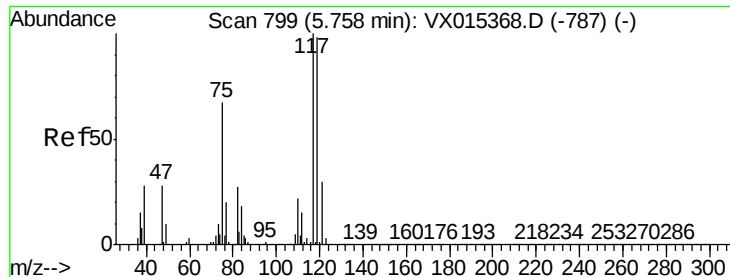
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.5	122.3
192	23.3	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.830 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015723.D
 Acq: 16 Apr 2020 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.3#
77	1.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.005 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015723.D

Acq: 16 Apr 2020 19:24

Instrument :

MSVOA_X

ClientSampleId :

SS042MW130-200413

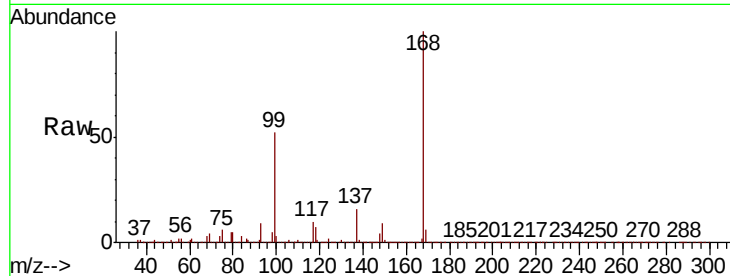
Tot Ion:117 Resp: 99120

Ion Ratio Lower Upper

117 100

119 5.0 78.0 117.0#

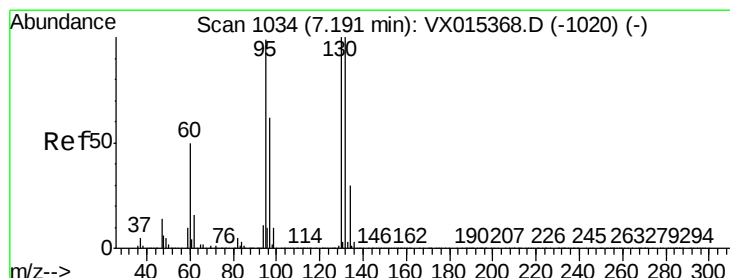
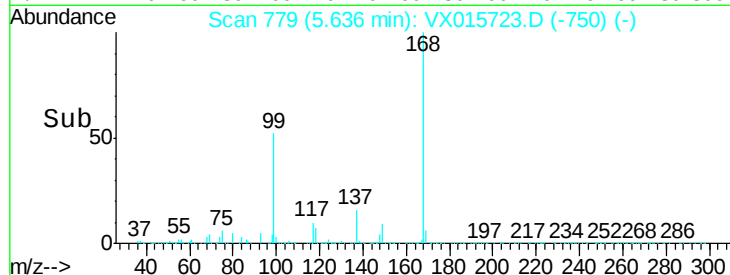
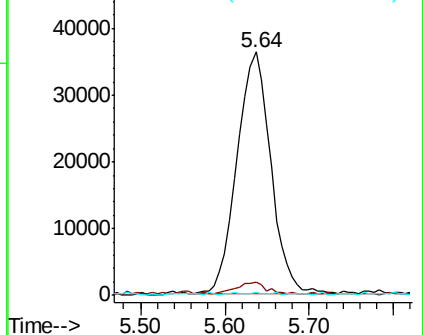
121 0.2 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 16.757 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015723.D

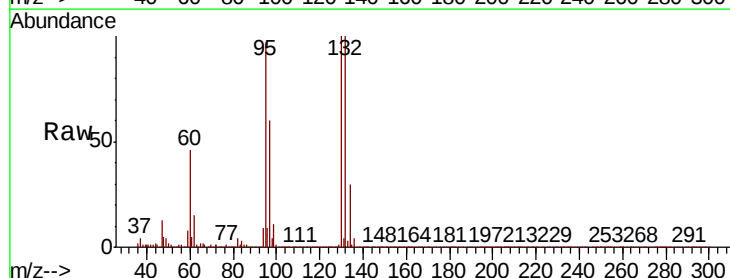
Acq: 16 Apr 2020 19:24

Tgt Ion:130 Resp: 204022

Ion Ratio Lower Upper

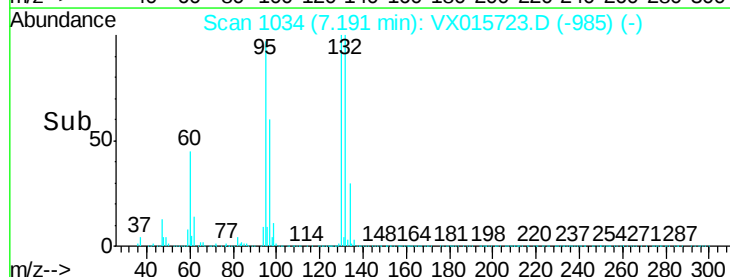
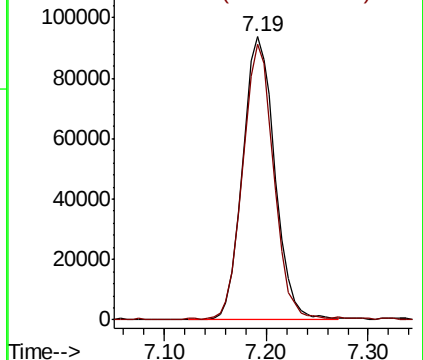
130 100

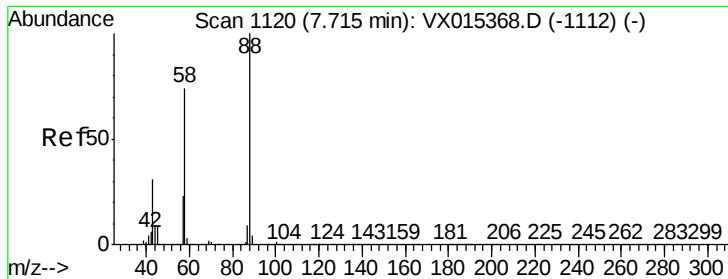
95 97.0 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.429 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015723.D

Acq: 16 Apr 2020 19:24

Instrument :

MSVOA_X

ClientSampleId :

SS042MW130-200413

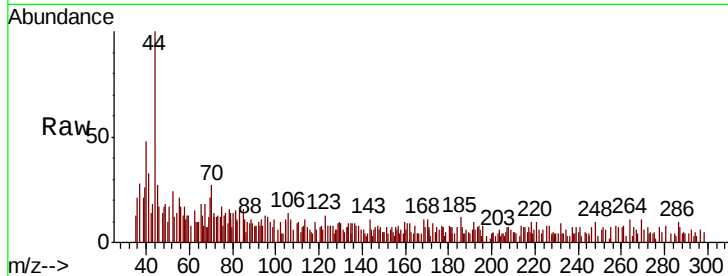
Tot Ion: 88 Resp: 134

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

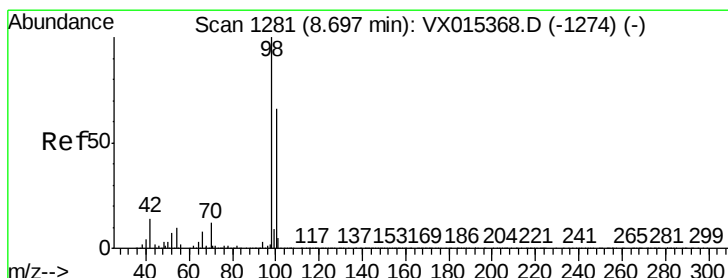
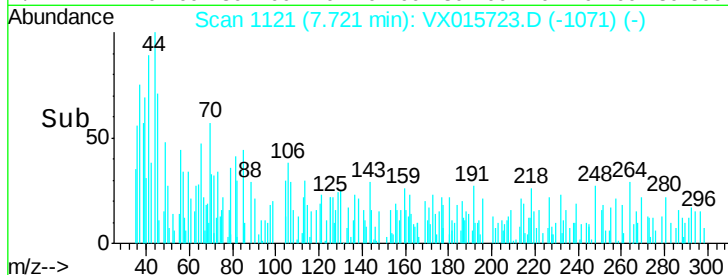
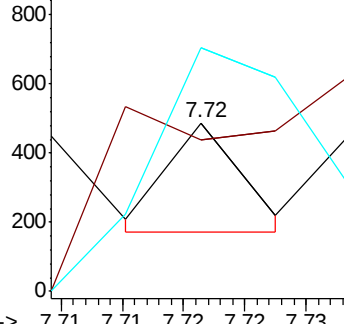
58 505.2 60.6 90.8#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.904 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015723.D

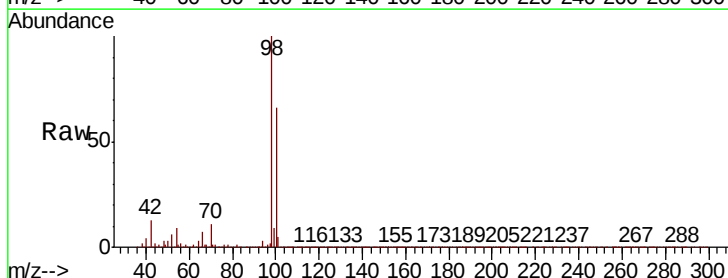
Acq: 16 Apr 2020 19:24

Tgt Ion: 98 Resp: 1981564

Ion Ratio Lower Upper

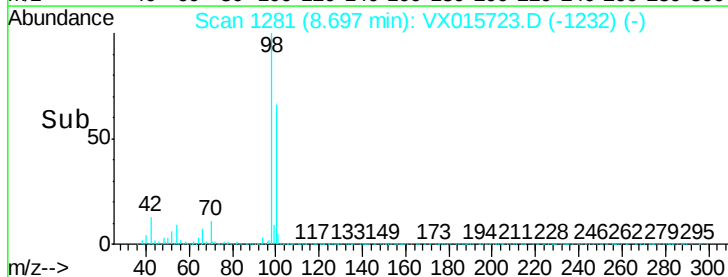
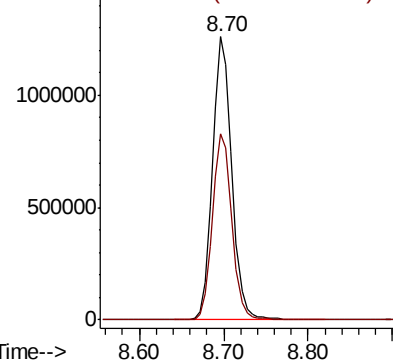
98 100

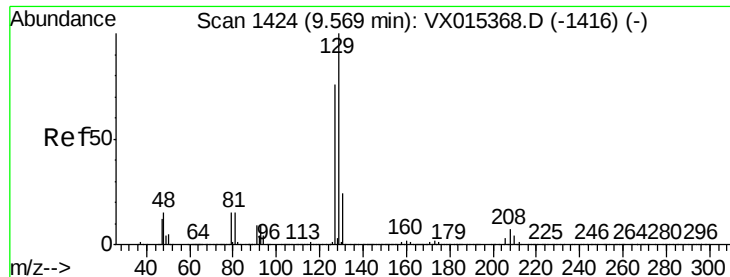
100 66.4 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.549 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015723.D

Acq: 16 Apr 2020 19:24

Instrument :

MSVOA_X

ClientSampleId :

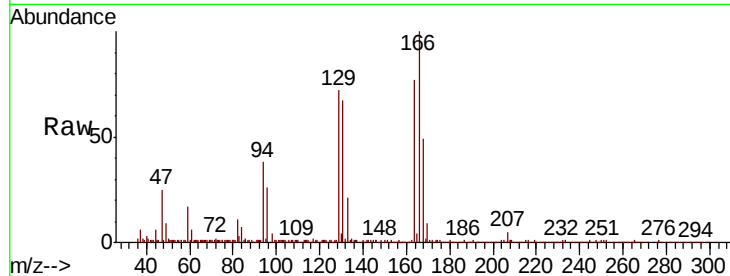
SS042MW130-200413

Tot Ion:129 Resp: 34543

Ion Ratio Lower Upper

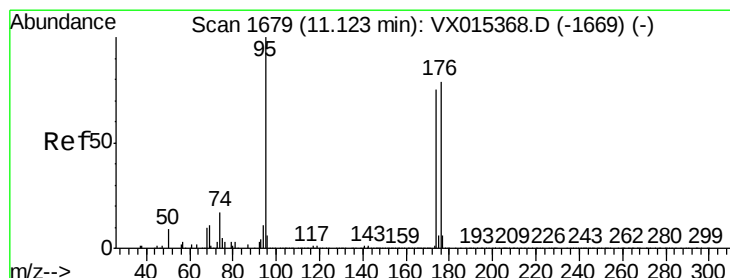
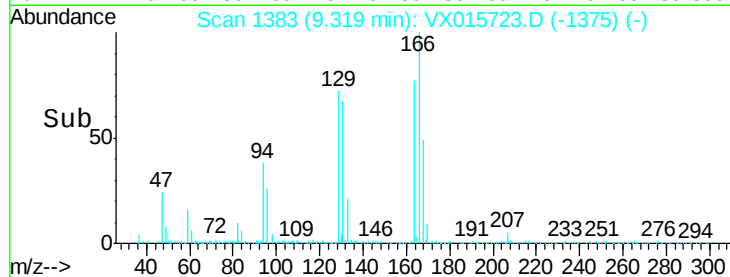
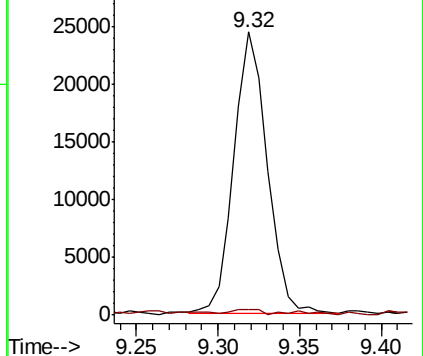
129 100

127 1.8 38.2 114.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 52.249 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015723.D

Acq: 16 Apr 2020 19:24

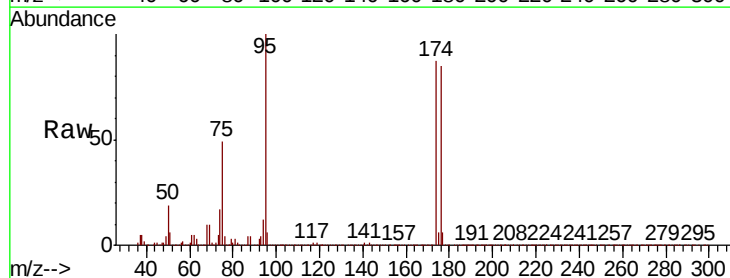
Tgt Ion: 95 Resp: 826585

Ion Ratio Lower Upper

95 100

174 90.0 0.0 158.6

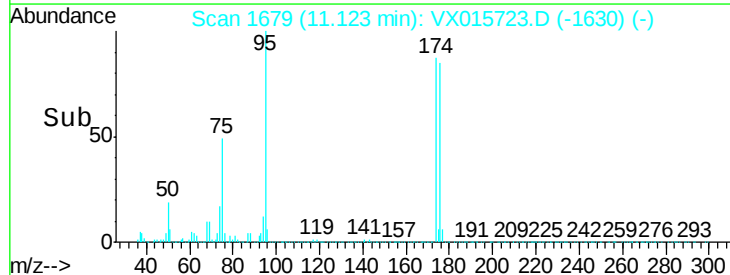
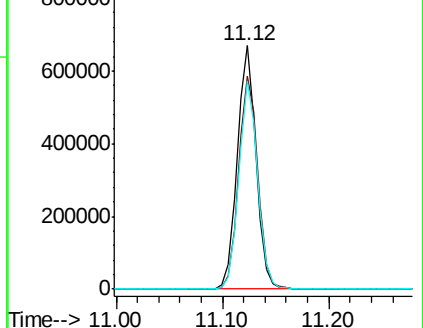
176 85.6 0.0 159.0

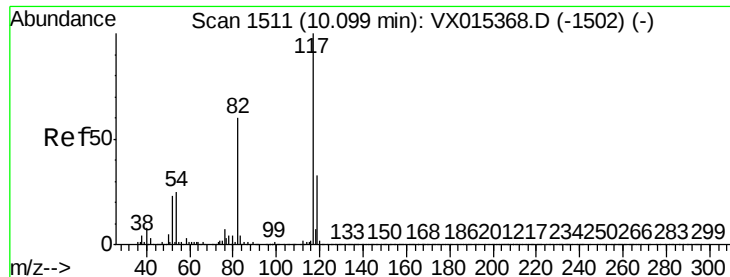


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

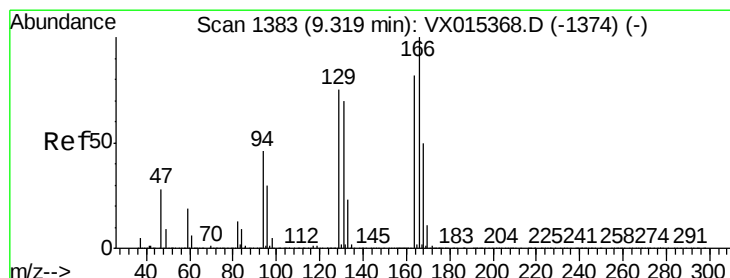
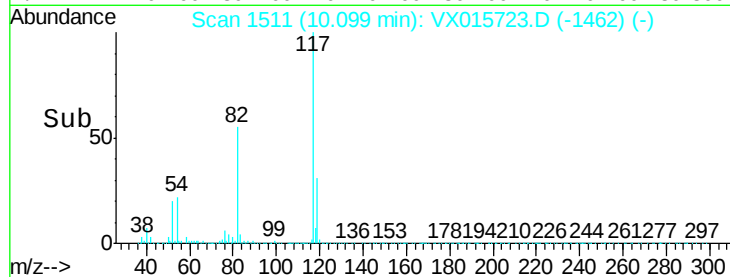
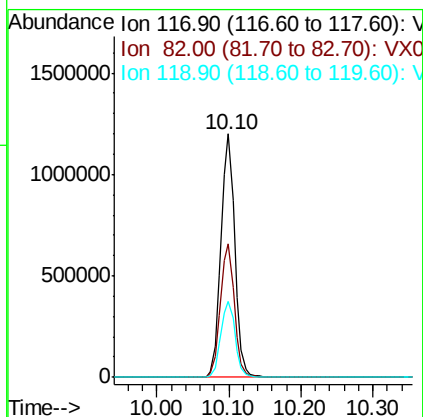
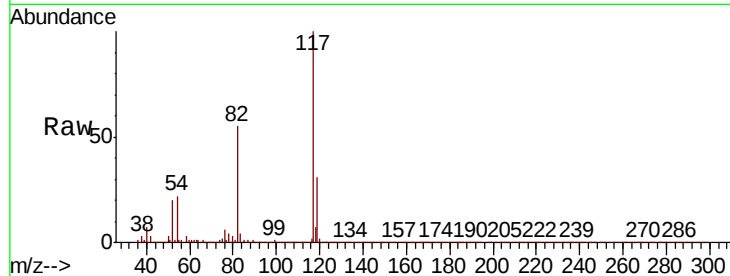




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015723.D
Acq: 16 Apr 2020 19:24

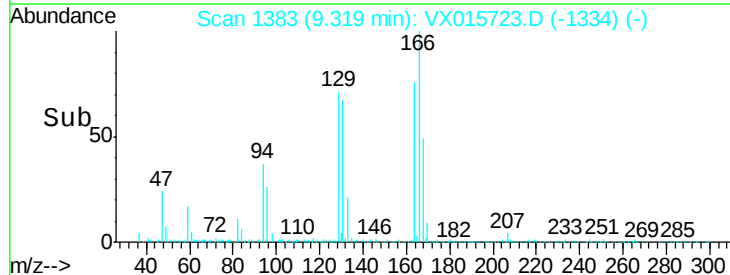
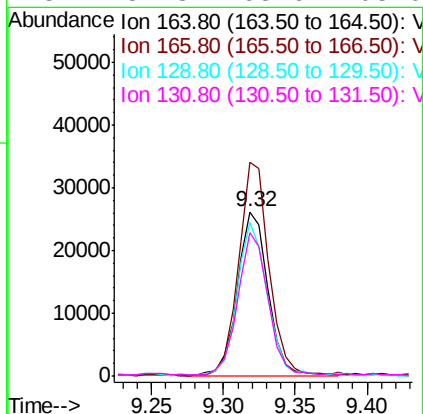
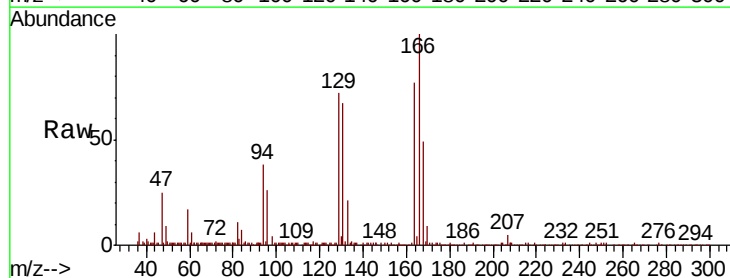
Instrument :
MSVOA_X
ClientSampleId :
SS042MW130-200413

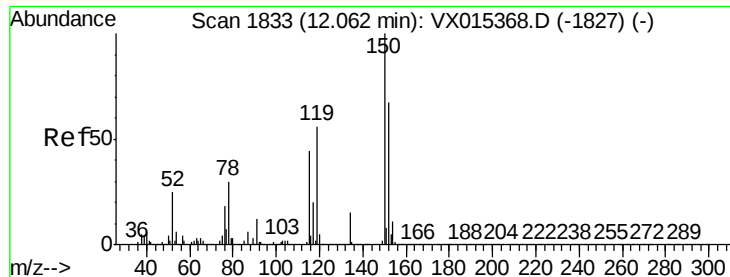
Tot Ion:117 Resp: 1603930
Ion Ratio Lower Upper
117 100
82 54.7 47.8 71.8
119 31.1 26.8 40.2



#64
Tetrachloroethene
Concen: 3.218 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015723.D
Acq: 16 Apr 2020 19:24

Tgt Ion:164 Resp: 38955
Ion Ratio Lower Upper
164 100
166 130.8 97.8 146.6
129 93.2 73.0 109.4
131 87.3 68.6 103.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015723.D

Acq: 16 Apr 2020 19:24

Instrument :

MSVOA_X

ClientSampleId :

SS042MW130-200413

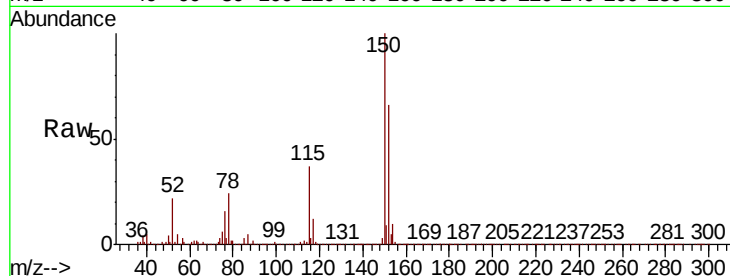
Tot Ion:152 Resp: 899778

Ion Ratio Lower Upper

152 100

115 56.3 39.0 116.9

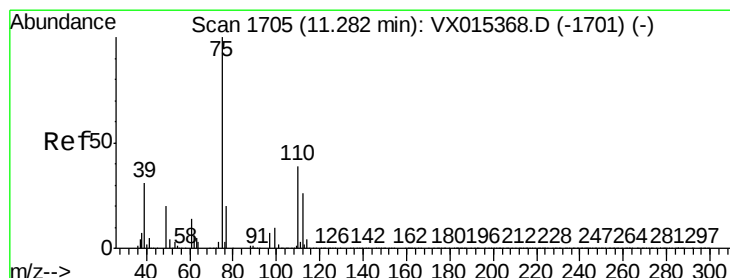
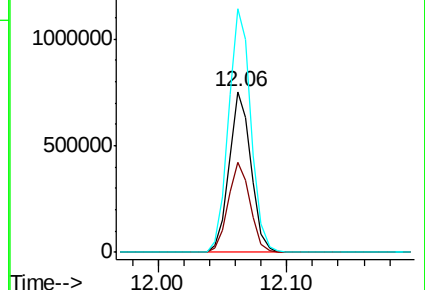
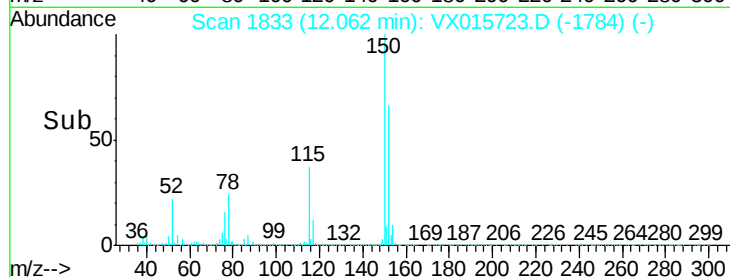
150 155.0 0.0 340.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.442 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015723.D

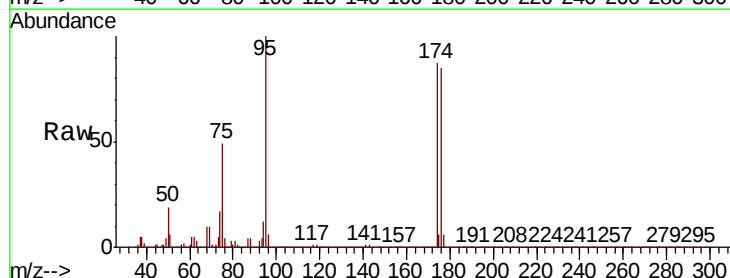
Acq: 16 Apr 2020 19:24

Tgt Ion: 75 Resp: 415253

Ion Ratio Lower Upper

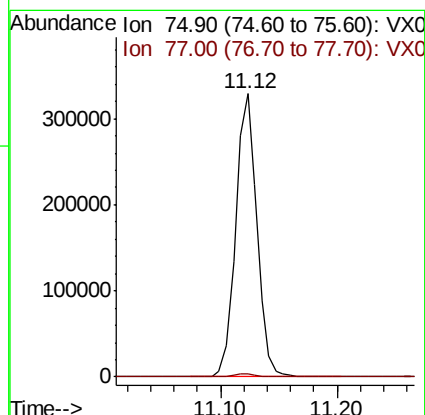
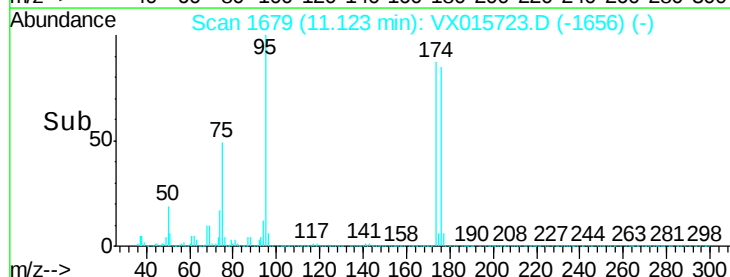
75 100

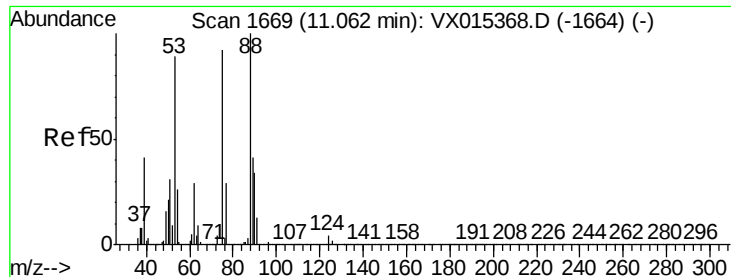
77 1.4 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.849 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015723.D

Acq: 16 Apr 2020 19:24

Instrument :

MSVOA_X

ClientSampleId :

SS042MW130-200413

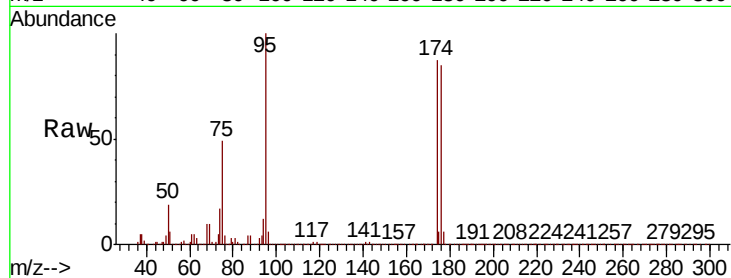
Tot Ion: 75 Resp: 415253

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

