

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041020\
 Data File : VX015629.D
 Acq On : 10 Apr 2020 18:12
 Operator : JC/SP
 Sample : L2190-15DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 11 00:34:40 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

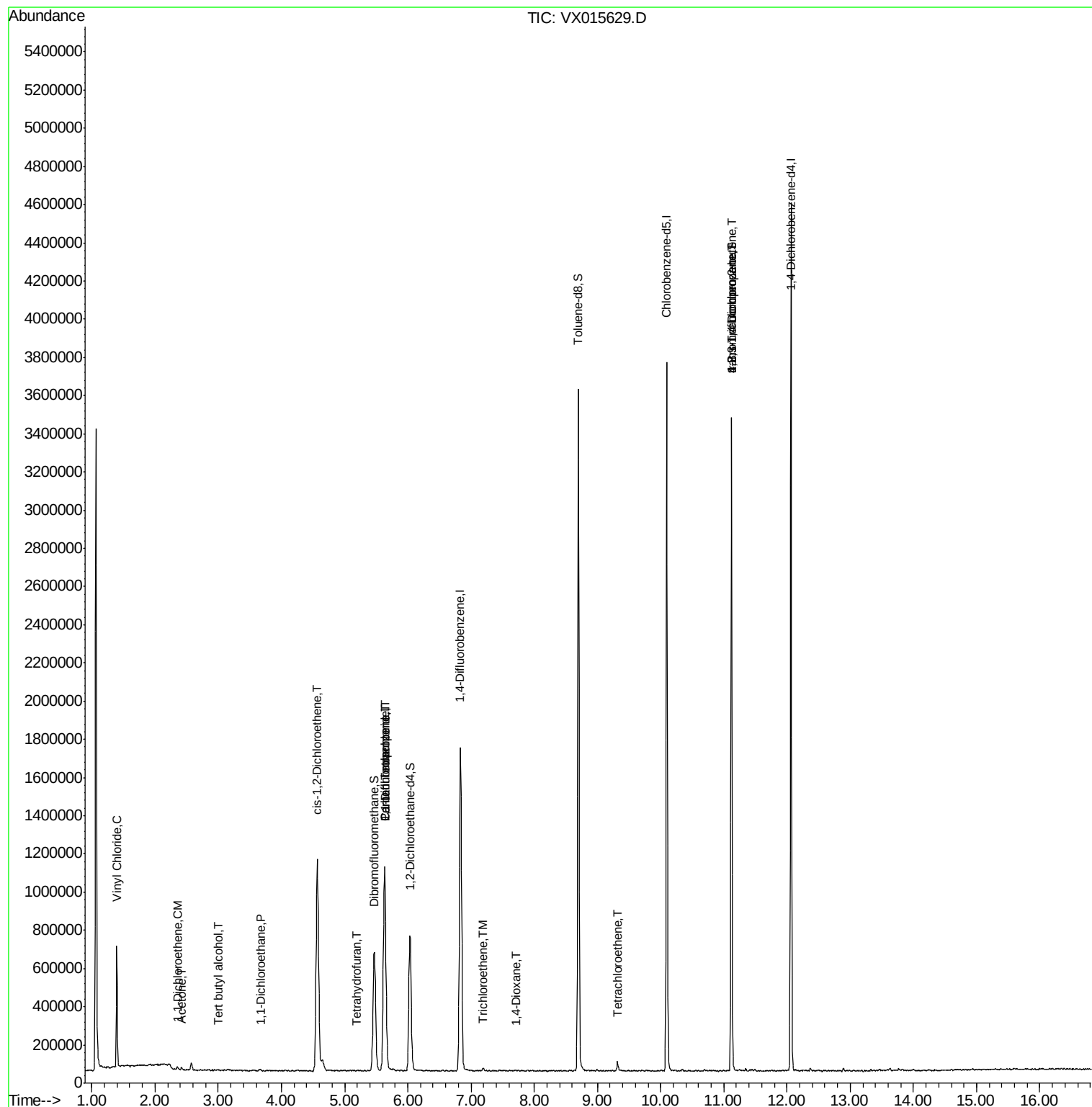
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1060965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1721319	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1644426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	910286	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	703507	47.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.02%	
35) Dibromofluoromethane	5.47	113	528347	48.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.04%	
50) Toluene-d8	8.70	98	2043343	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	11.12	95	885706	53.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.60%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.39	62	365040	33.397	ug/l	98
5) Bromomethane	1.64	94	904	Below Cal		96
11) Tert butyl alcohol	3.00	59	1513	0.422	ug/l #	13
12) 1,1-Dichloroethene	2.36	96	3148	0.314	ug/l	96
16) Acetone	2.42	43	14251	2.217	ug/l	93
24) 1,1-Dichloroethane	3.67	63	7189	0.329	ug/l #	84
27) cis-1,2-Dichloroethene	4.57	96	688454	53.529	ug/l	89
29) Tetrahydrofuran	5.18	42	1509	0.227	ug/l	95
36) 1,1-Dichloropropene	5.63	75	78819	4.970	ug/l #	51
38) Carbon Tetrachloride	5.64	117	100987	5.879	ug/l #	16
44) Trichloroethene	7.18	130	6823	0.539	ug/l	79
49) 1,4-Dioxane	7.72	88	940	2.894	ug/l #	80
64) Tetrachloroethene	9.32	164	11379	0.917	ug/l #	84
76) 1,2,3-Trichloropropane	11.12	75	448258	23.946	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	448258	57.458	ug/l #	10

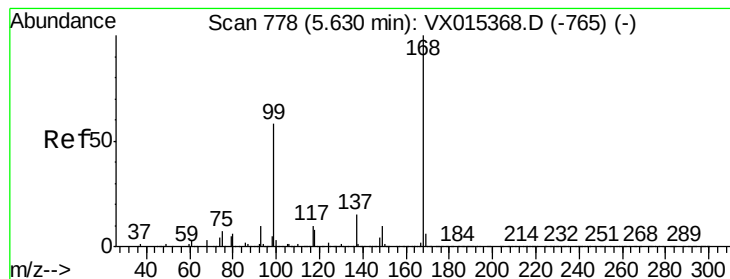
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015629.D

Acq: 10 Apr 2020 18:12

Instrument :

MSVOA_X

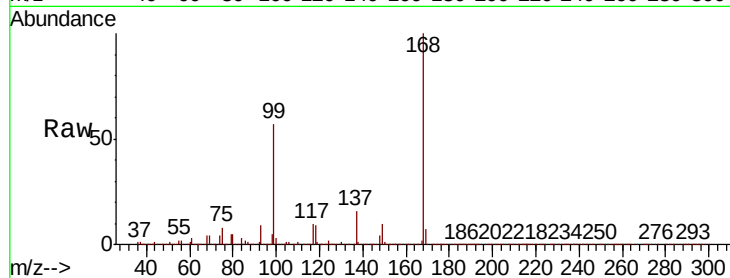
ClientSampleId :

Tot Ion:168 Resp: 1060965

Ion Ratio Lower Upper

168 100

99 56.6 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

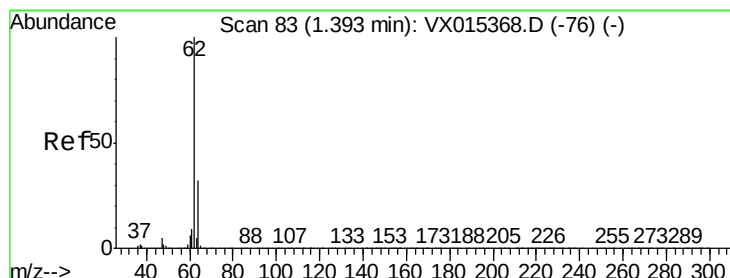
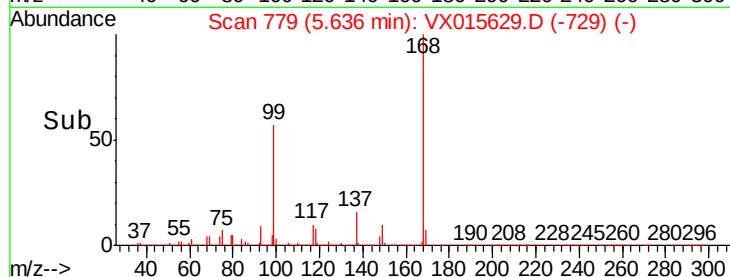
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 33.397 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015629.D

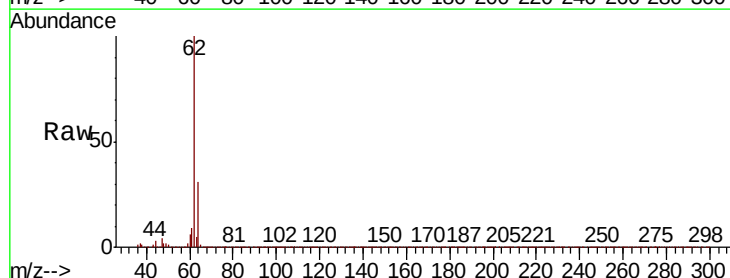
Acq: 10 Apr 2020 18:12

Tgt Ion: 62 Resp: 365040

Ion Ratio Lower Upper

62 100

64 31.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

400000

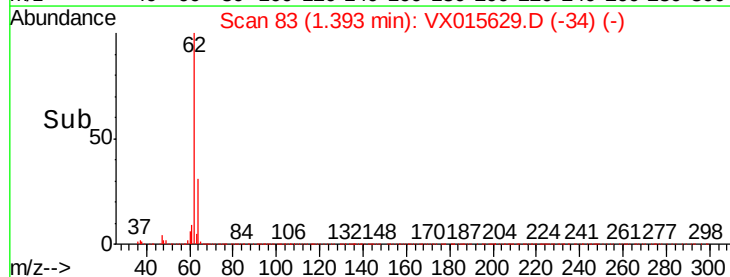
300000

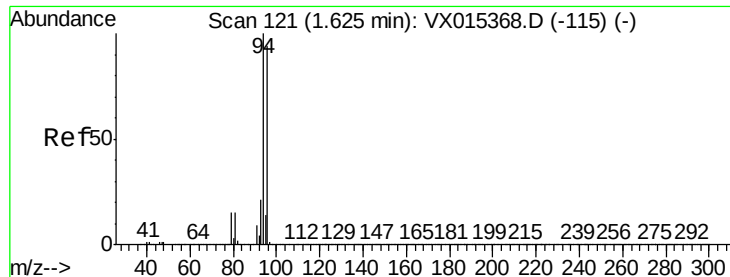
200000

100000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015629.D

Acq: 10 Apr 2020 18:12

Instrument :

MSVOA_X

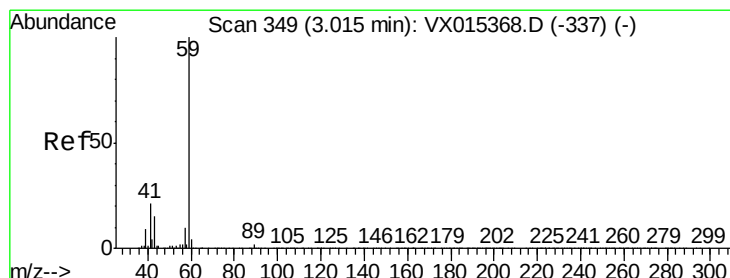
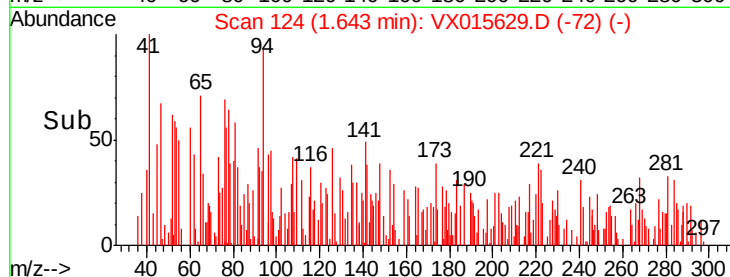
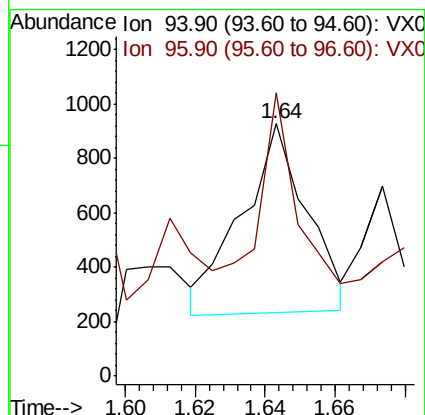
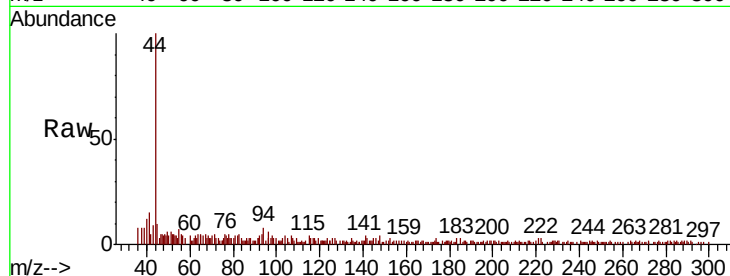
ClientSampled :

Tot Ion: 94 Resp: 904

Ion Ratio Lower Upper

94 100

96 97.7 74.8 112.2



#11

Tert butyl alcohol

Concen: 0.422 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.01 min

Lab File: VX015629.D

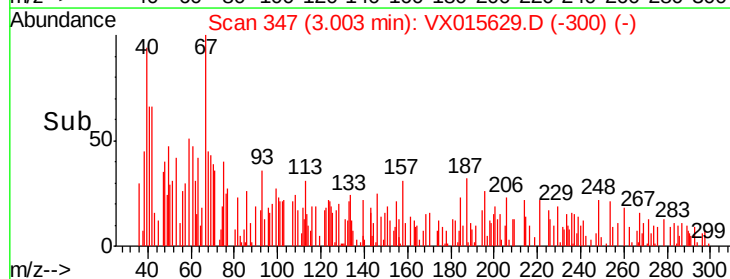
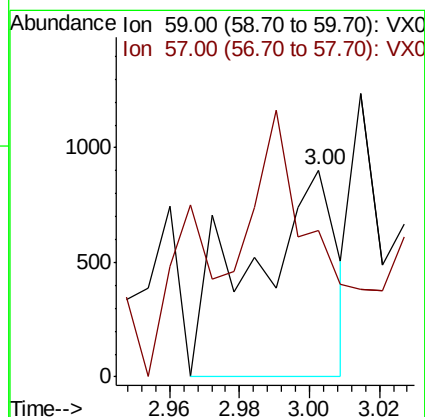
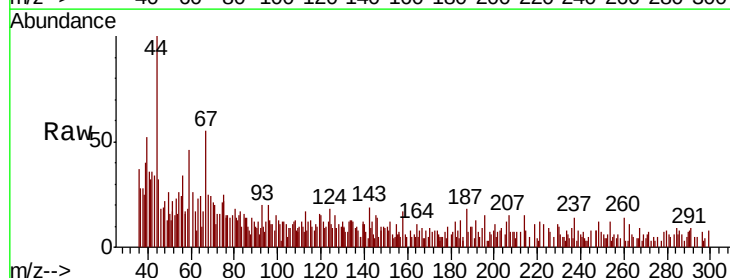
Acq: 10 Apr 2020 18:12

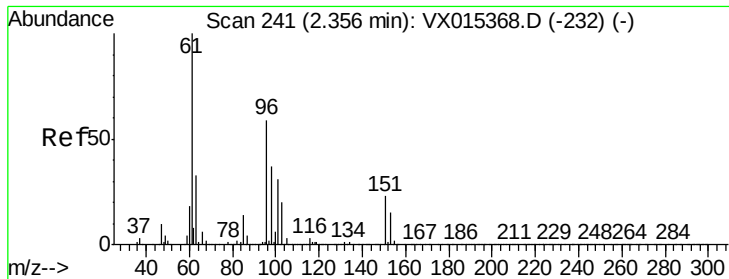
Tgt Ion: 59 Resp: 1513

Ion Ratio Lower Upper

59 100

57 42.5 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 0.314 ug/l

RT: 2.36 min Scan# 241

Delta R.T. 0.00 min

Lab File: VX015629.D

Acq: 10 Apr 2020 18:12

Instrument :

MSVOA_X

ClientSampled :

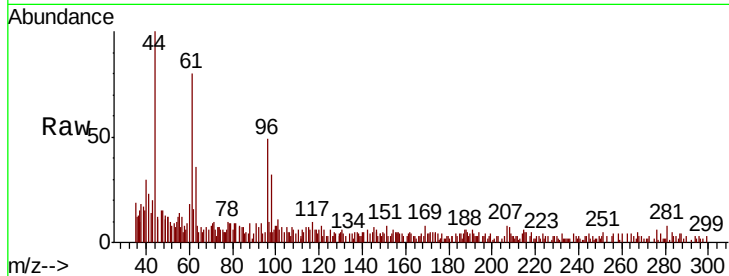
Tot Ion: 96 Resp: 3148

Ion Ratio Lower Upper

96 100

61 176.2 135.7 203.5

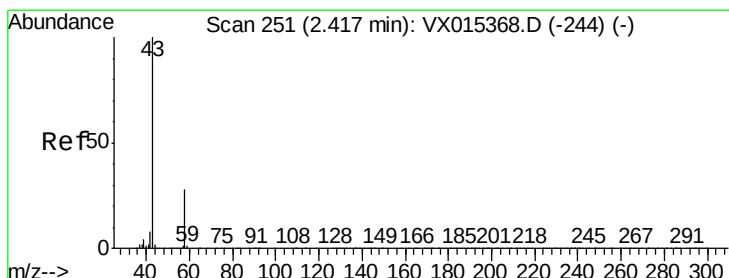
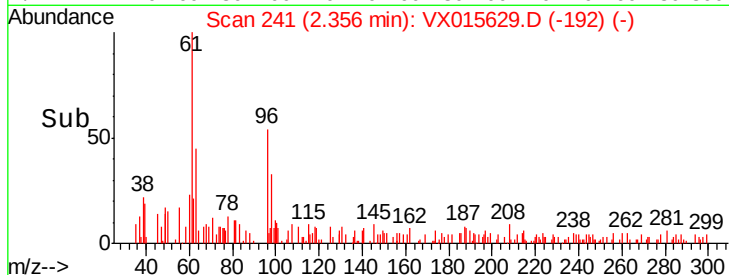
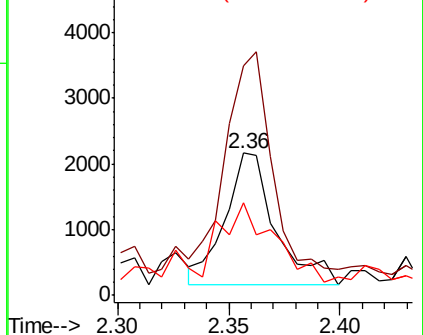
98 63.3 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#16

Acetone

Concen: 2.217 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015629.D

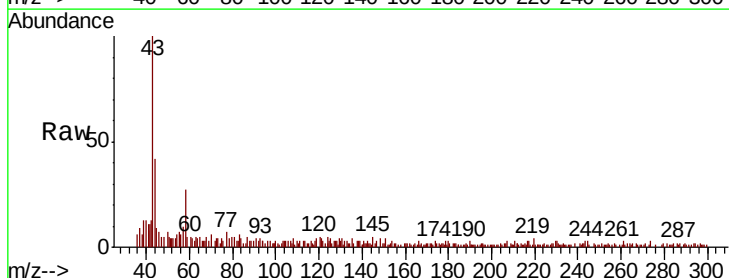
Acq: 10 Apr 2020 18:12

Tgt Ion: 43 Resp: 14251

Ion Ratio Lower Upper

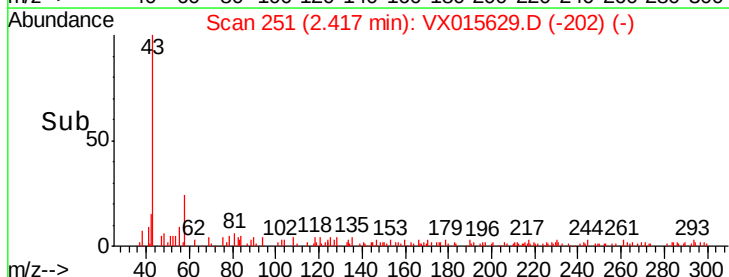
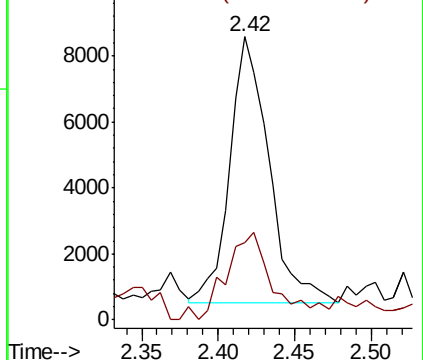
43 100

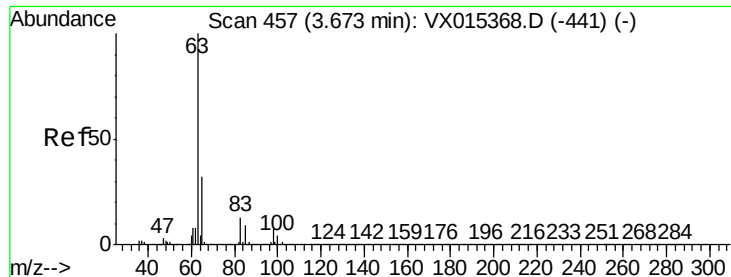
58 24.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#24

1,1-Dichloroethane

Concen: 0.329 ug/l

RT: 3.67 min Scan# 457

Delta R.T. 0.00 min

Lab File: VX015629.D

Acq: 10 Apr 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

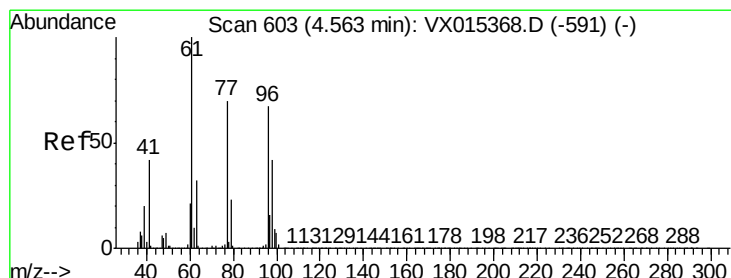
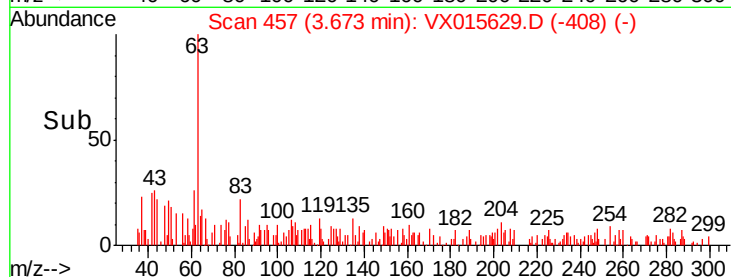
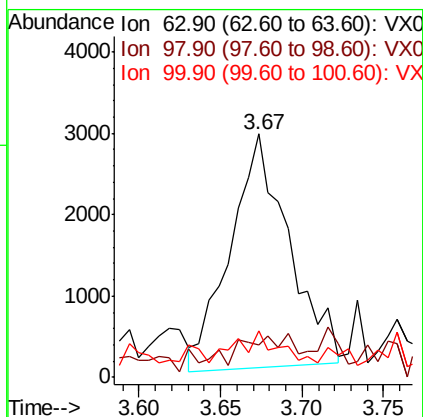
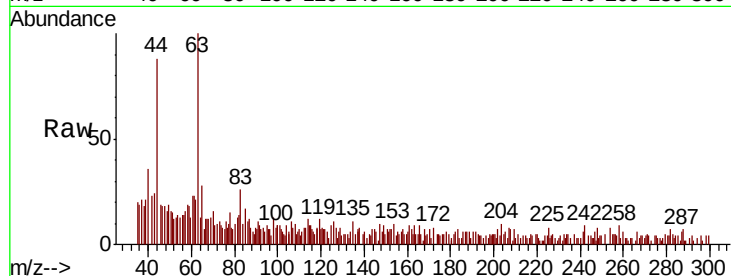
Tot Ion: 63 Resp: 7189

Ion Ratio Lower Upper

63 100

98 1.7 3.3 9.8#

100 10.9 2.1 6.5#



#27

cis-1,2-Dichloroethene

Concen: 53.529 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015629.D

Acq: 10 Apr 2020 18:12

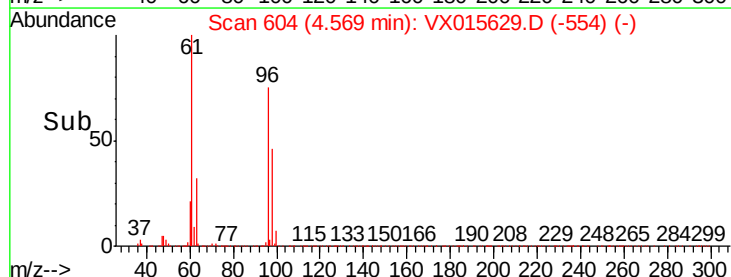
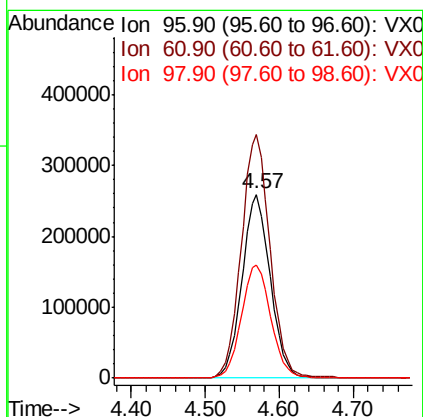
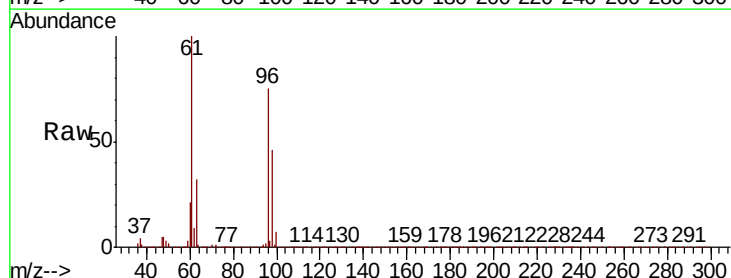
Tgt Ion: 96 Resp: 688454

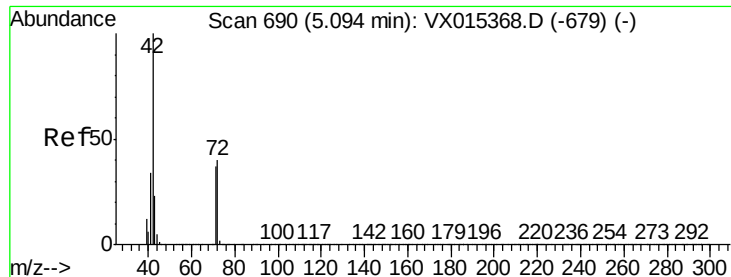
Ion Ratio Lower Upper

96 100

61 135.5 0.0 308.4

98 63.7 0.0 129.2





#29

Tetrahydrofuran

Concen: 0.227 ug/l

RT: 5.18 min Scan# 704

Delta R.T. 0.09 min

Lab File: VX015629.D

Acq: 10 Apr 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

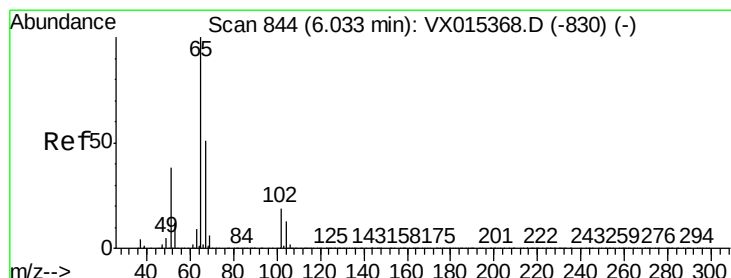
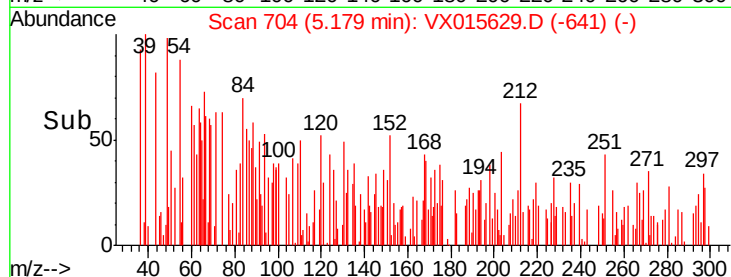
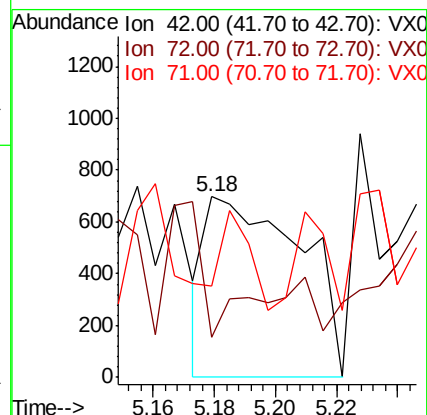
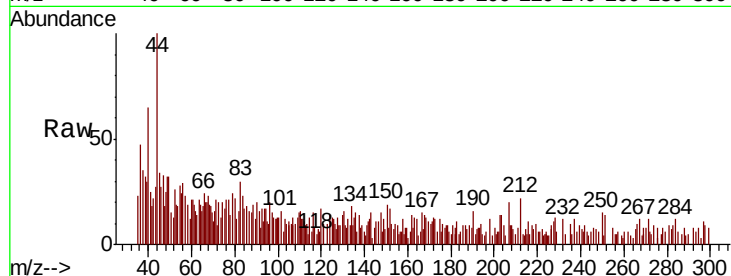
Tot Ion: 42 Resp: 1509

Ion Ratio Lower Upper

42 100

72 36.6 31.7 47.5

71 34.4 29.6 44.4



#33

1,2-Dichloroethane-d4

Concen: 47.014 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015629.D

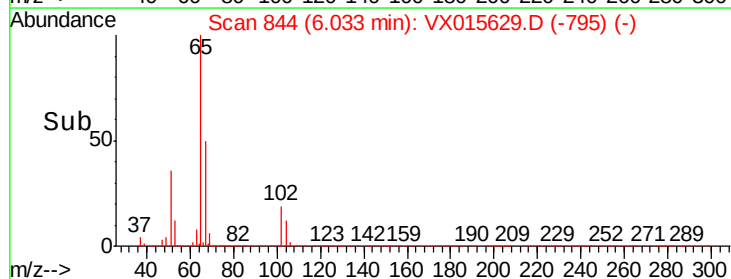
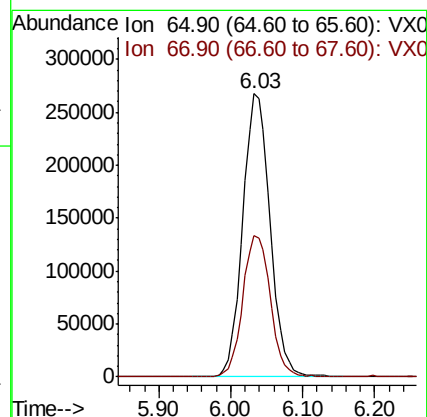
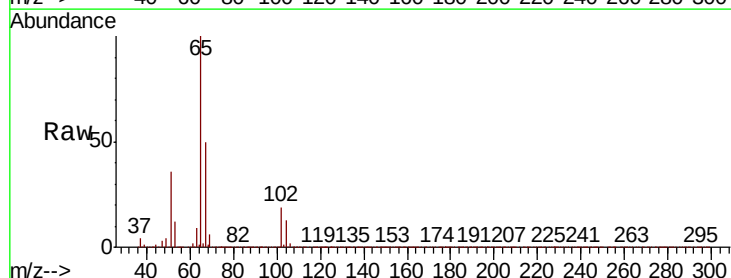
Acq: 10 Apr 2020 18:12

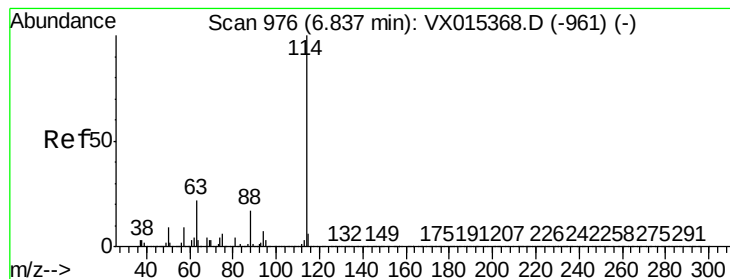
Tgt Ion: 65 Resp: 703507

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015629.D

Acq: 10 Apr 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

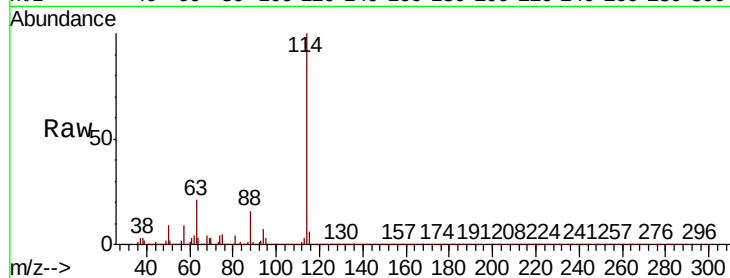
Tot Ion:114 Resp: 1721319

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.2

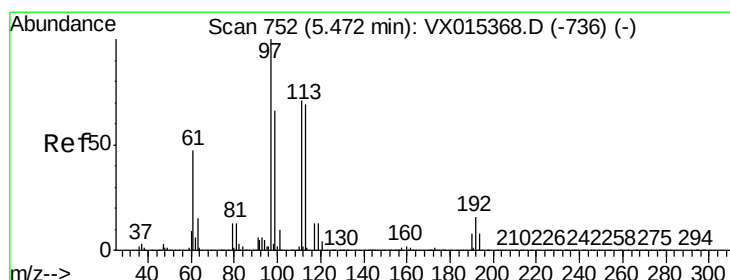
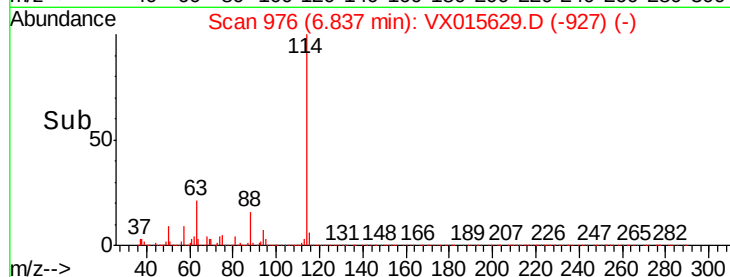
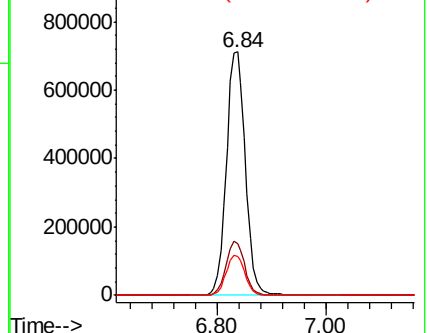
88 15.7 0.0 33.8



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: 48.018 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015629.D

Acq: 10 Apr 2020 18:12

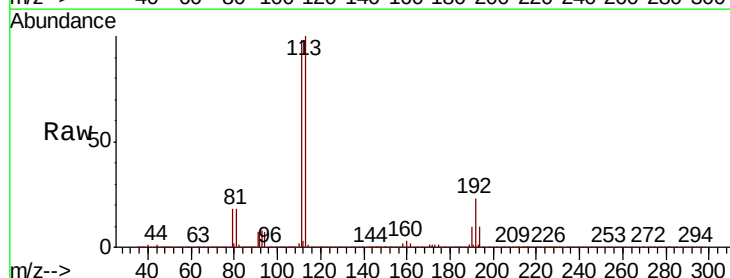
Tgt Ion:113 Resp: 528347

Ion Ratio Lower Upper

113 100

111 100.7 81.5 122.3

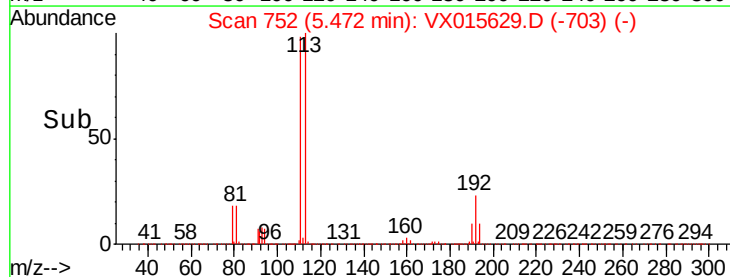
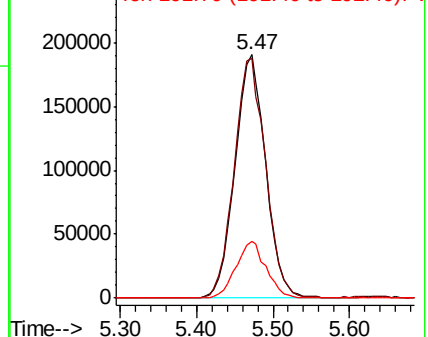
192 22.7 17.8 26.6

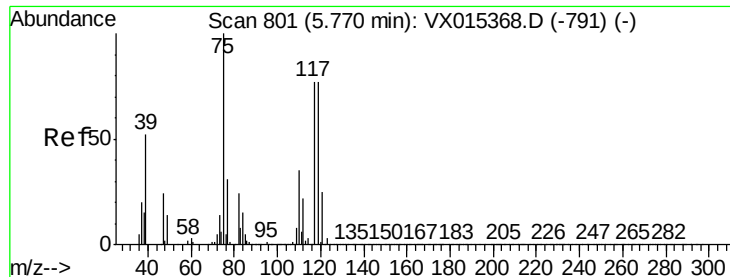


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

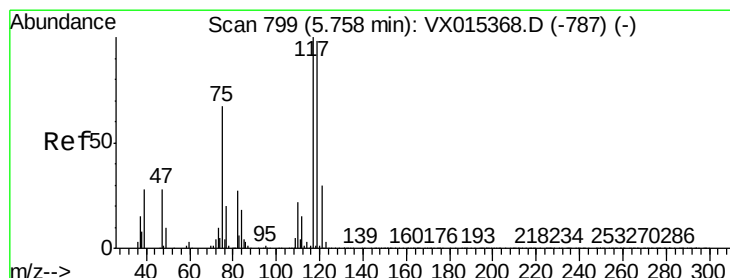
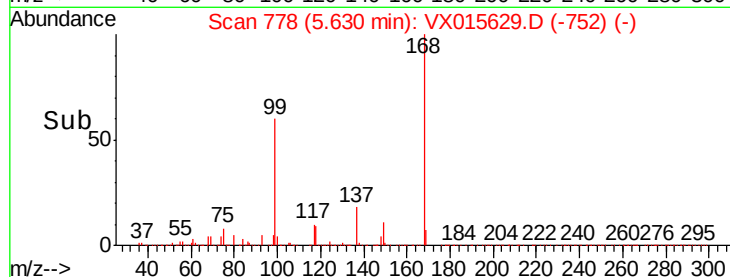
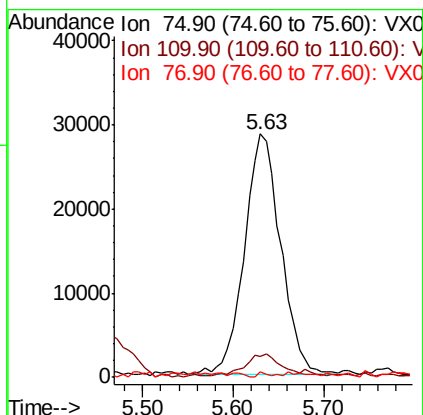
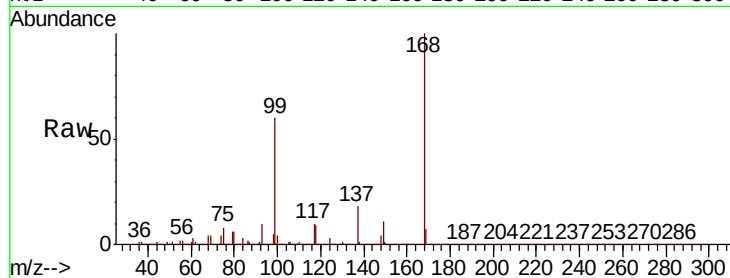




#36
 1,1-Dichloropropene
 Concen: 4.970 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015629.D
 Acq: 10 Apr 2020 18:12

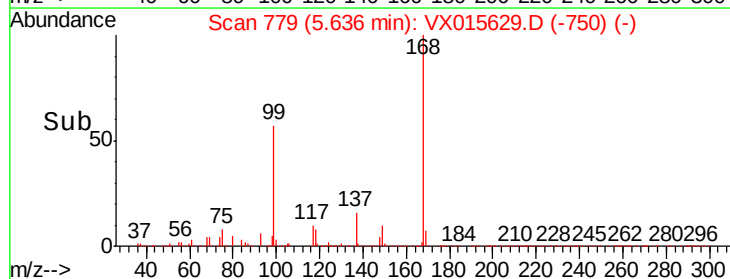
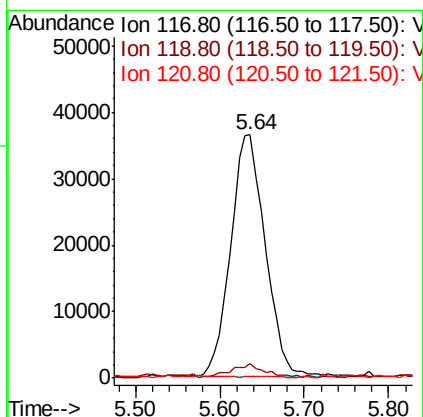
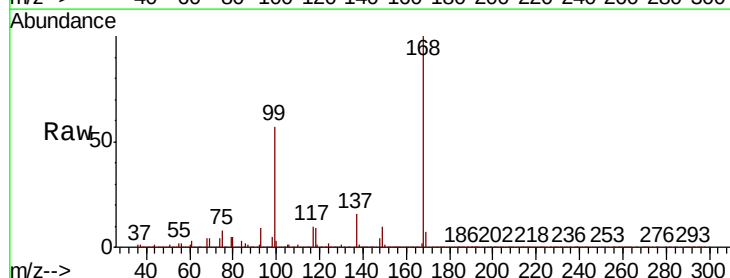
Instrument :
 MSVOA_X
 ClientSampleId :

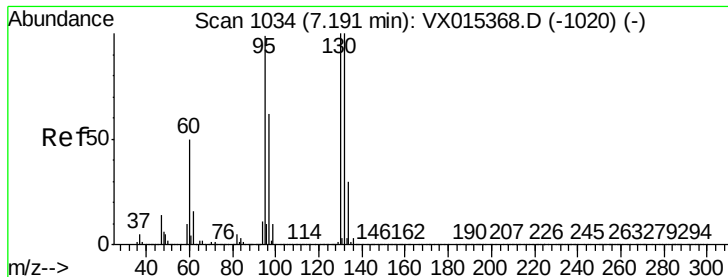
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.1	51.3#
77	0.6	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.879 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015629.D
 Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.0	117.0#
121	0.9	23.8	35.8#





#44

Trichloroethene

Concen: 0.539 ug/l

RT: 7.18 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VX015629.D

Acq: 10 Apr 2020 18:12

Instrument :

MSVOA_X

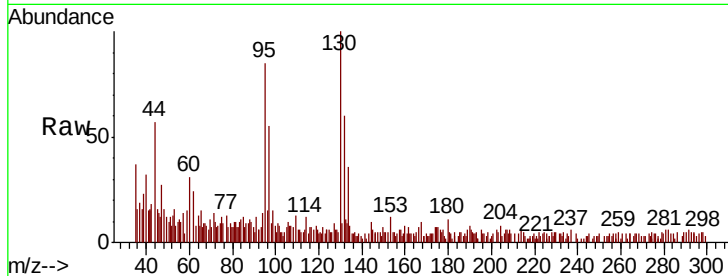
ClientSampleId :

Tot Ion:130 Resp: 6823

Ion Ratio Lower Upper

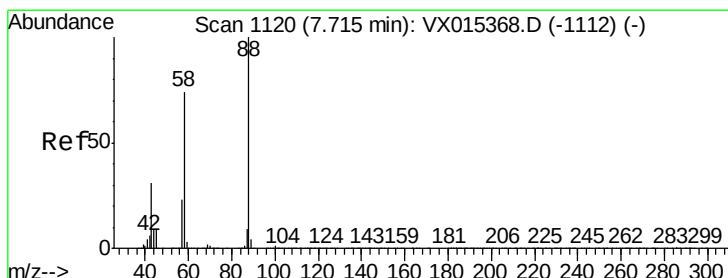
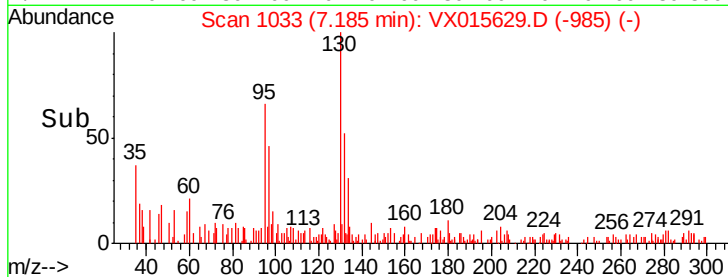
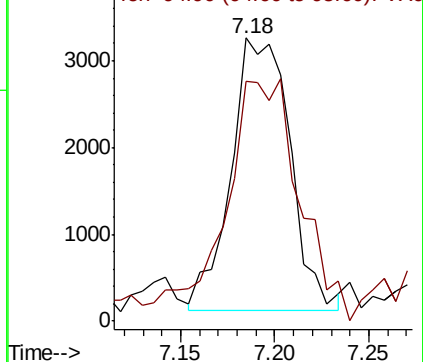
130 100

95 78.3 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: 2.894 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015629.D

Acq: 10 Apr 2020 18:12

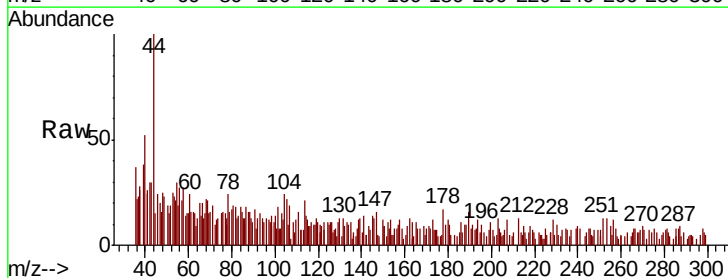
Tgt Ion: 88 Resp: 940

Ion Ratio Lower Upper

88 100

43 65.5 30.1 45.1#

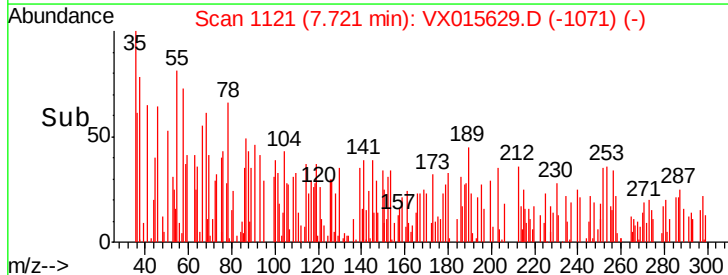
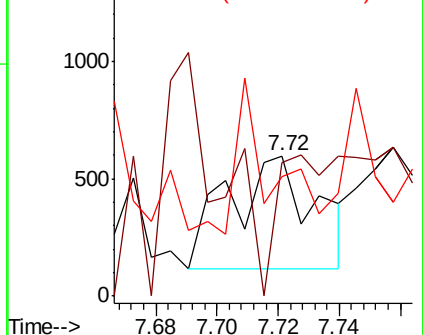
58 69.4 60.6 90.8

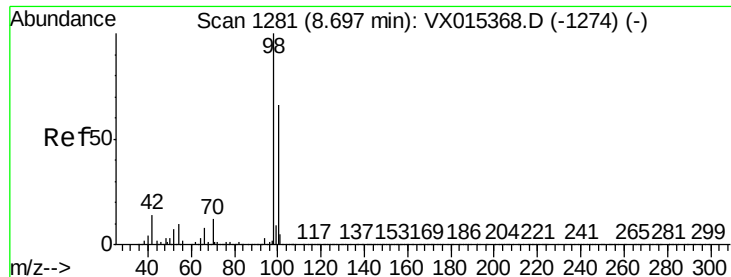


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.440 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015629.D

Acq: 10 Apr 2020 18:12

Instrument :

MSVOA_X

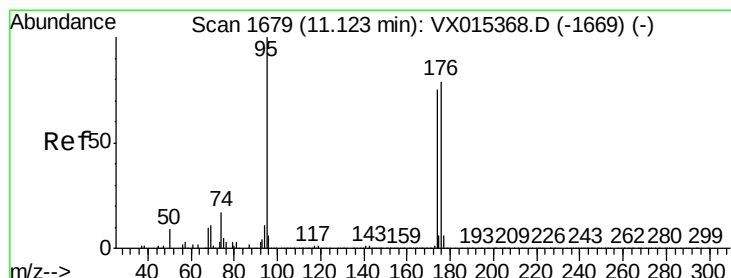
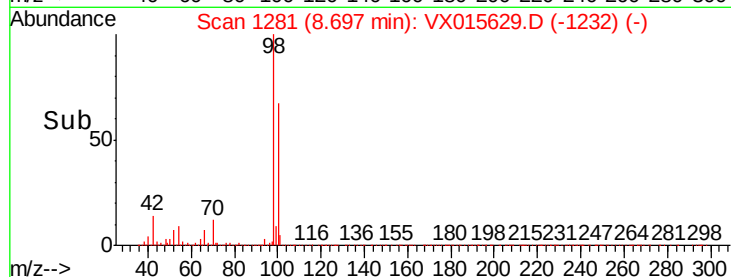
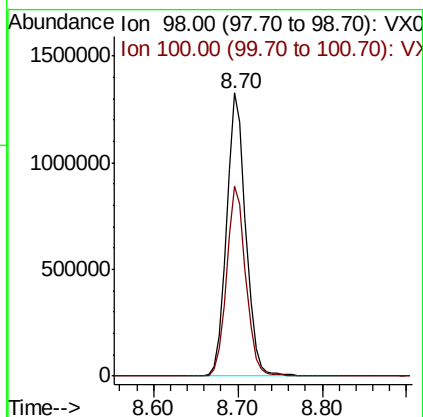
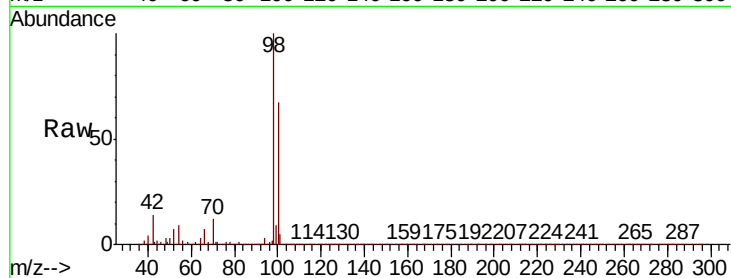
ClientSampleId :

Tot Ion: 98 Resp: 2043343

Ion Ratio Lower Upper

98 100

100 67.1 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 53.798 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015629.D

Acq: 10 Apr 2020 18:12

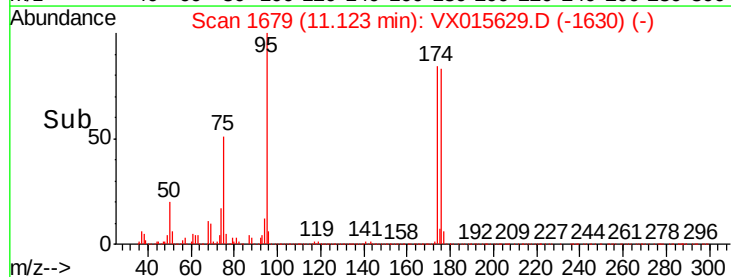
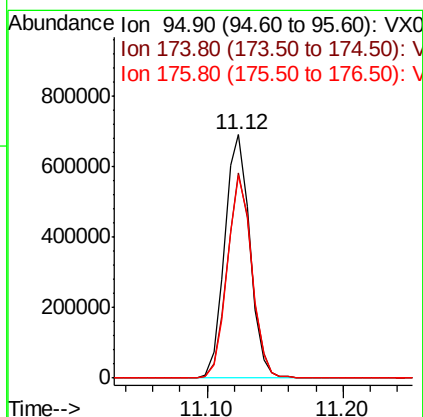
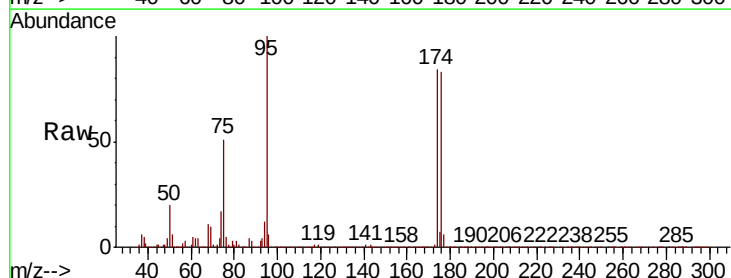
Tgt Ion: 95 Resp: 885706

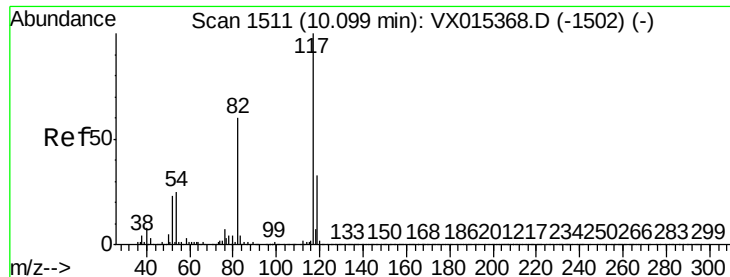
Ion Ratio Lower Upper

95 100

174 81.7 0.0 158.6

176 81.4 0.0 159.0

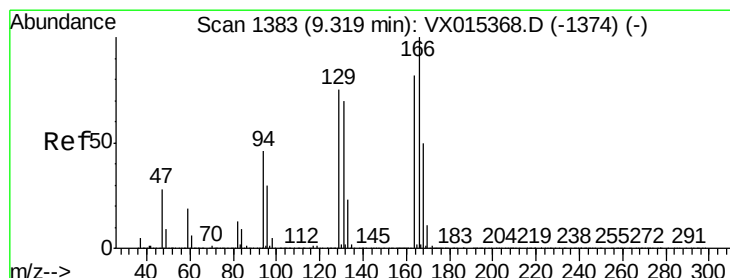
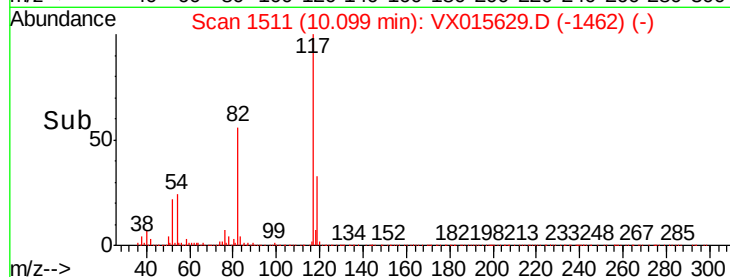
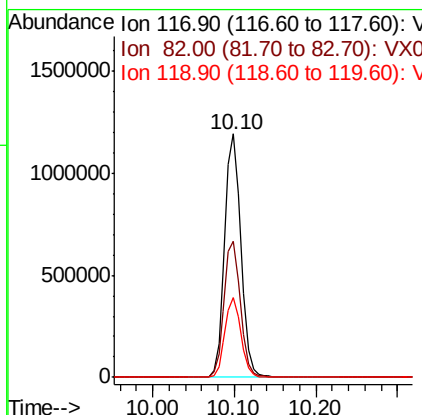
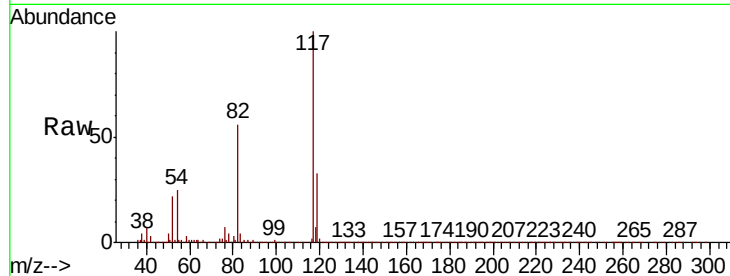




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015629.D
Acq: 10 Apr 2020 18:12

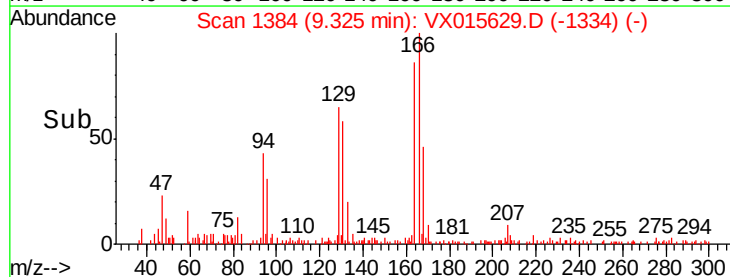
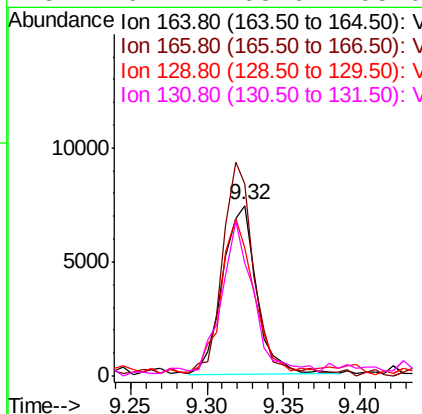
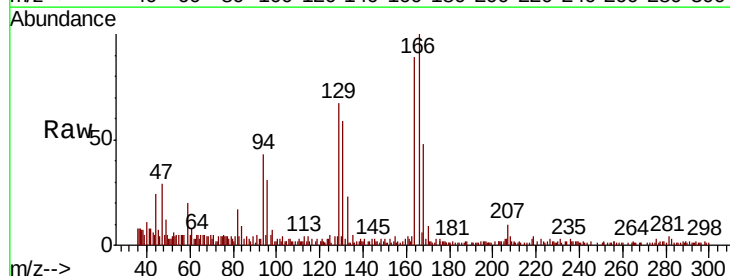
Instrument :
MSVOA_X
ClientSampleId :

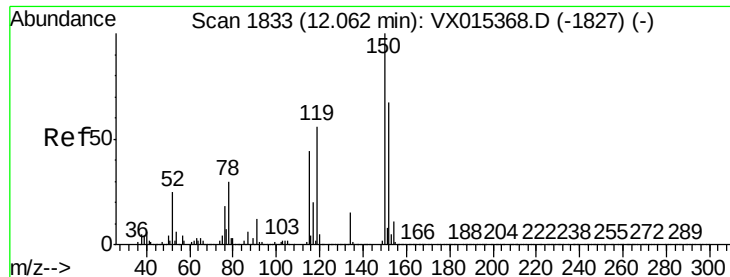
Tot Ion:117 Resp: 1644426
Ion Ratio Lower Upper
117 100
82 55.9 47.8 71.8
119 33.0 26.8 40.2



#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX015629.D
Acq: 10 Apr 2020 18:12

Tgt Ion:164 Resp: 11379
Ion Ratio Lower Upper
164 100
166 112.3 97.8 146.6
129 73.8 73.0 109.4
131 64.4 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: VX015629.D

Acq: 10 Apr 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

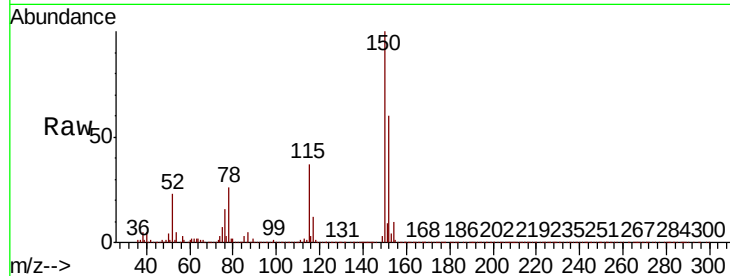
Tot Ion:152 Resp: 910286

Ion Ratio Lower Upper

152 100

115 58.5 39.0 116.9

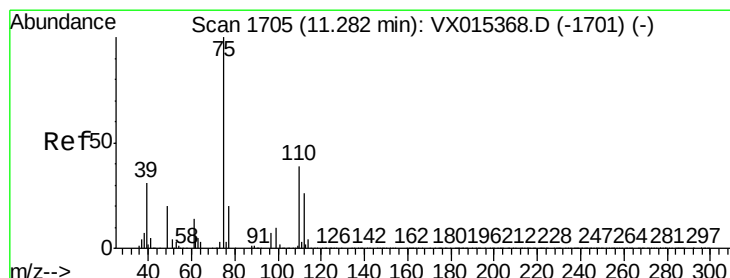
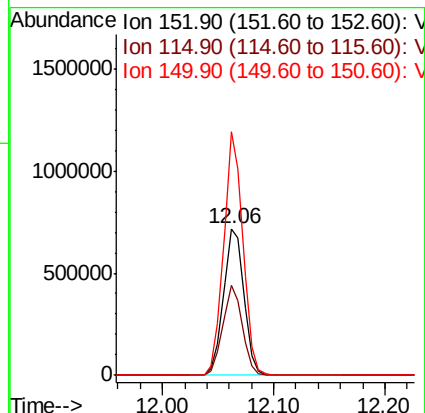
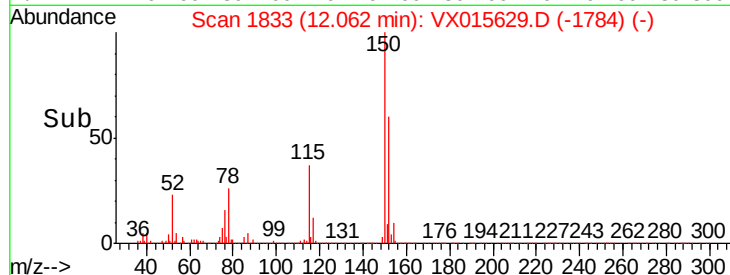
150 156.2 0.0 340.8



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: 23.946 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015629.D

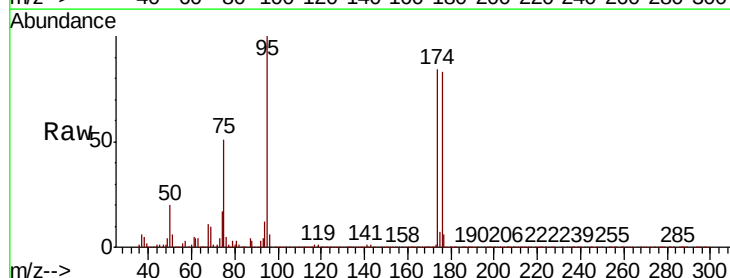
Acq: 10 Apr 2020 18:12

Tgt Ion: 75 Resp: 448258

Ion Ratio Lower Upper

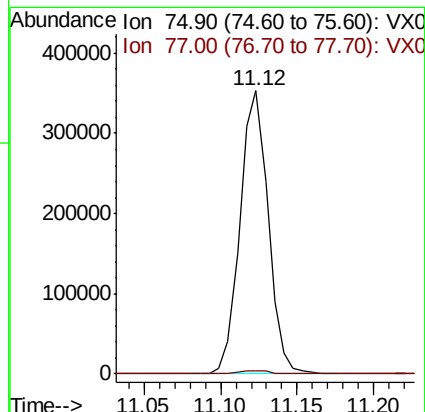
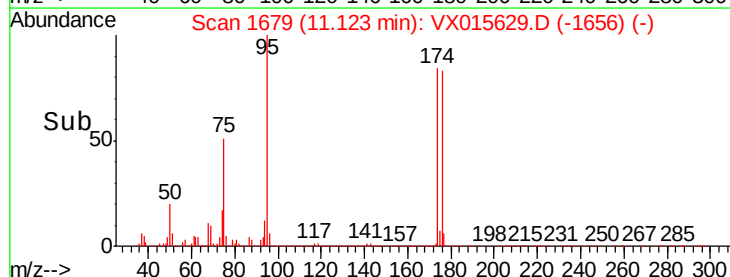
75 100

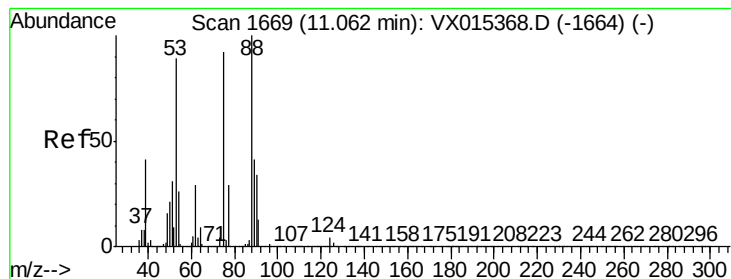
77 1.1 21.2 63.6#



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: 57.458 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015629.D

Acq: 10 Apr 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

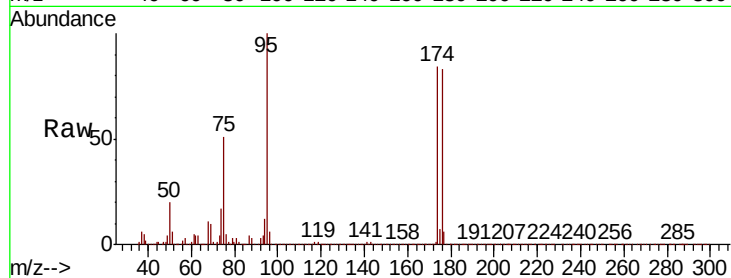
Tot Ion: 75 Resp: 448258

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.1 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

