

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040820\
 Data File : VX015571.D
 Acq On : 08 Apr 2020 16:02
 Operator : JC/SP
 Sample : L2190-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW025-200407

Quant Time: Apr 09 06:21:51 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

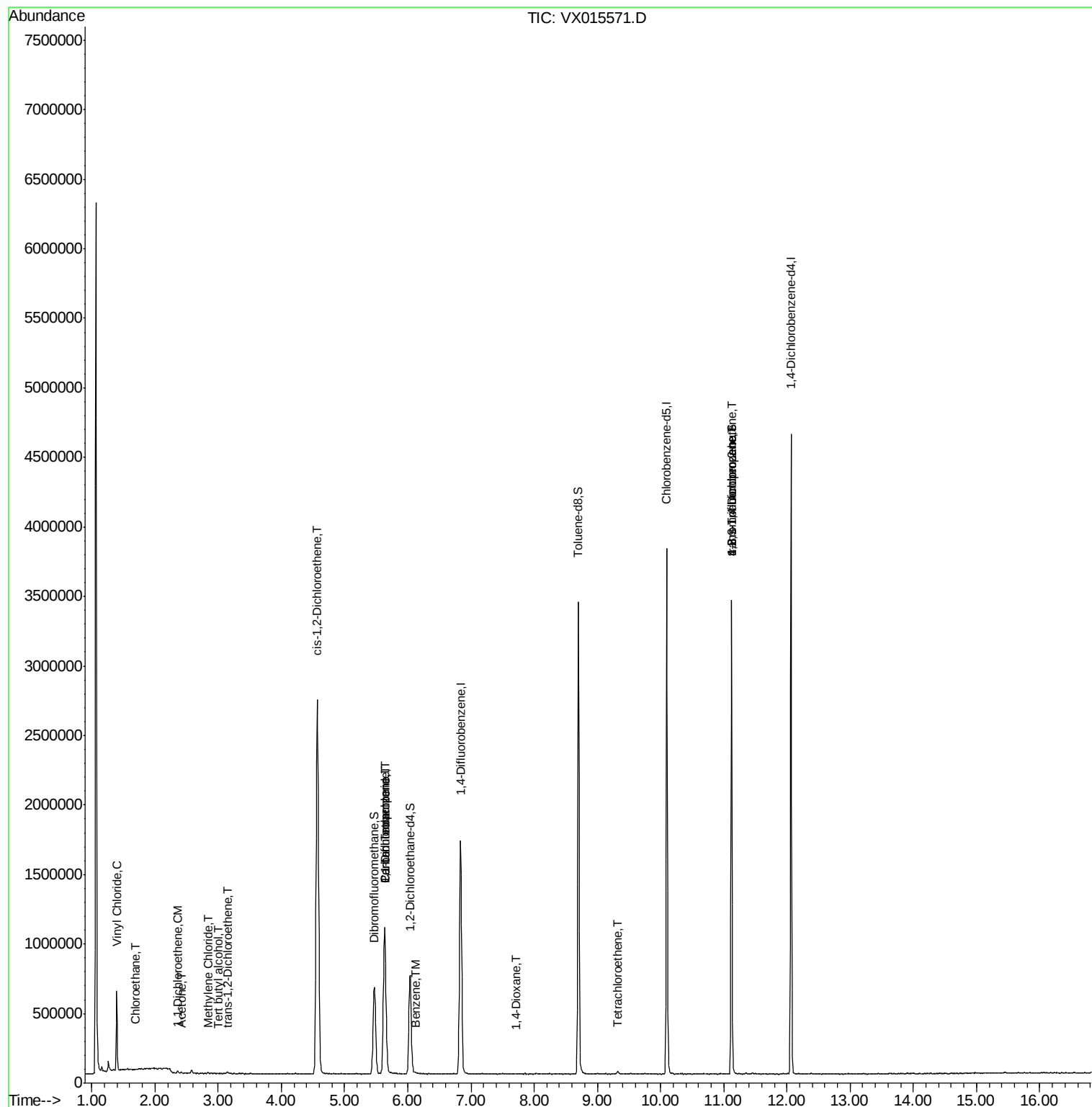
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1061156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1683607	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1631308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	889335	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	706174	47.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.36%	
35) Dibromofluoromethane	5.47	113	531362	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
50) Toluene-d8	8.70	98	2037899	51.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	11.12	95	872070	54.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.32%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.39	62	317808	29.071	ug/l	99
5) Bromomethane	1.61	94	847	Below Cal	#	3
6) Chloroethane	1.69	64	1406	0.207	ug/l	100
11) Tert butyl alcohol	3.00	59	971	0.271	ug/l #	79
12) 1,1-Dichloroethene	2.36	96	5318	0.531	ug/l	98
16) Acetone	2.42	43	10737	1.670	ug/l #	85
20) Methylene Chloride	2.84	84	2799	0.233	ug/l #	71
21) trans-1,2-Dichloroethene	3.15	96	5631	0.506	ug/l	94
27) cis-1,2-Dichloroethene	4.57	96	1653842	128.568	ug/l	91
36) 1,1-Dichloropropene	5.64	75	77854	5.019	ug/l #	53
38) Carbon Tetrachloride	5.64	117	98458	5.860	ug/l #	15
40) Benzene	6.12	78	14201	0.313	ug/l #	85
49) 1,4-Dioxane	7.71	88	340	1.070	ug/l #	20
64) Tetrachloroethene	9.32	164	4324	0.351	ug/l	92
76) 1,2,3-Trichloropropane	11.12	75	454864	24.872	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	454864	59.678	ug/l #	10

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

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STOO8MW025-200407

Quant Time: Apr 09 06:21:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
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: VX015571.D

Acq: 08 Apr 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

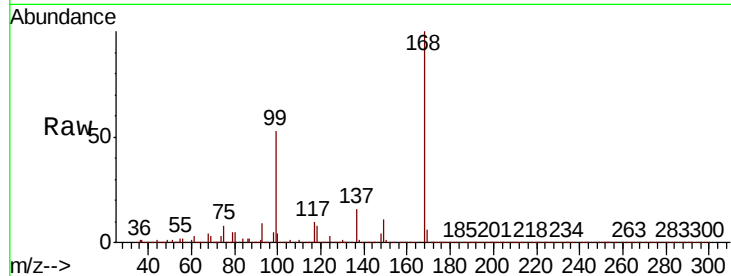
STO08MW025-200407

Tot Ion:168 Resp: 1061156

Ion Ratio Lower Upper

168 100

99 53.4 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

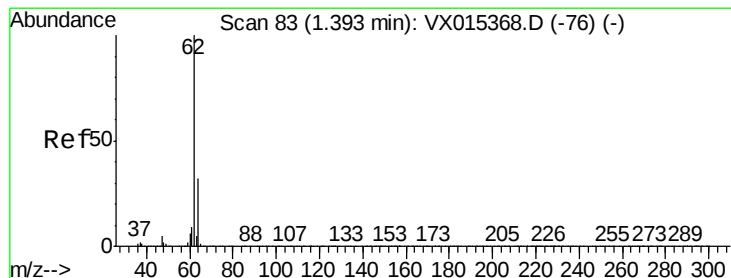
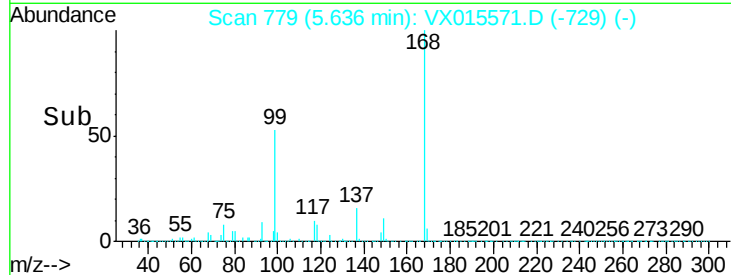
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 29.071 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015571.D

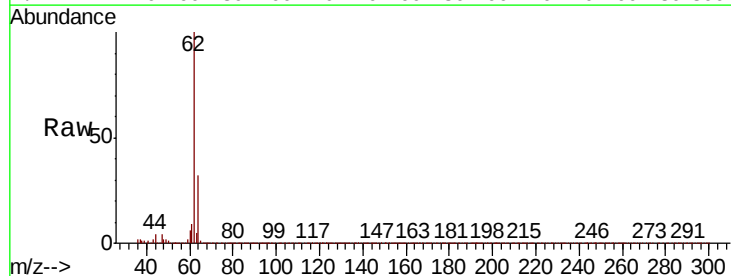
Acq: 08 Apr 2020 16:02

Tgt Ion: 62 Resp: 317808

Ion Ratio Lower Upper

62 100

64 32.0 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

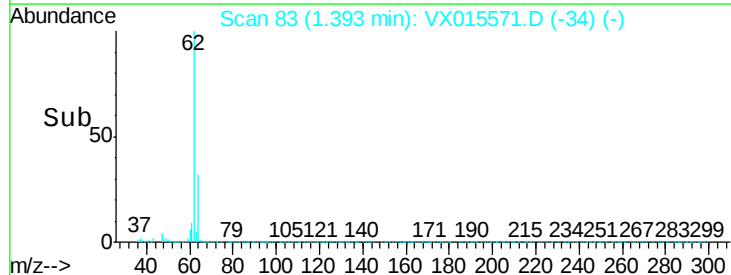
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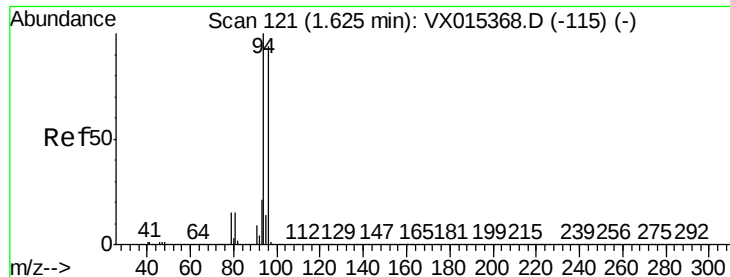
100000

0

Time-->

1.35 1.40 1.45





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 118

Delta R.T. -0.02 min

Lab File: VX015571.D

Acq: 08 Apr 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

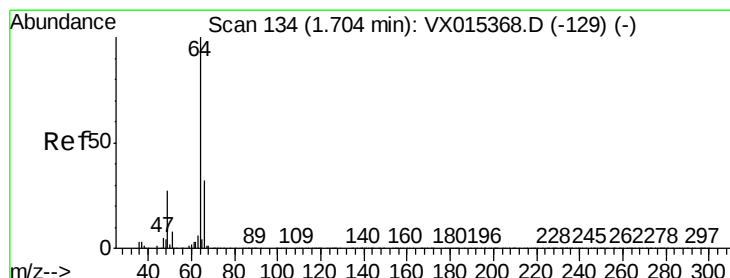
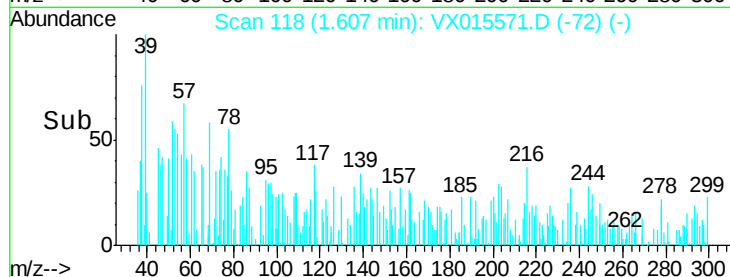
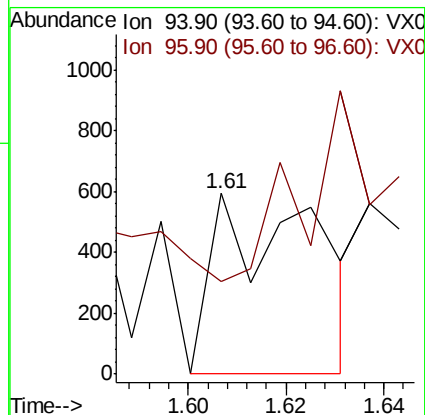
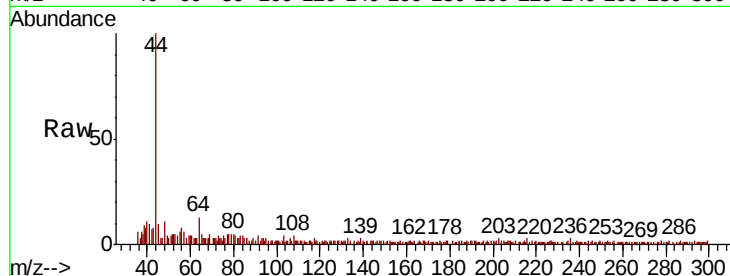
STO08MW025-200407

Tot Ion: 94 Resp: 847

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



#6

Chloroethane

Concen: 0.207 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.01 min

Lab File: VX015571.D

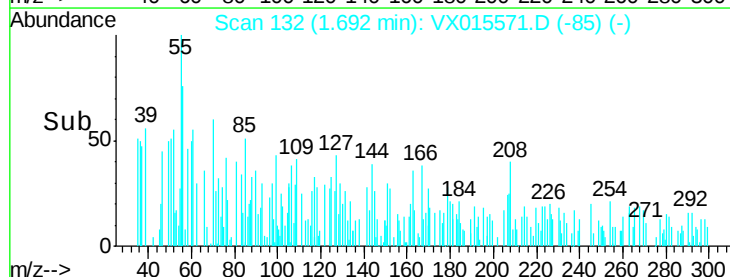
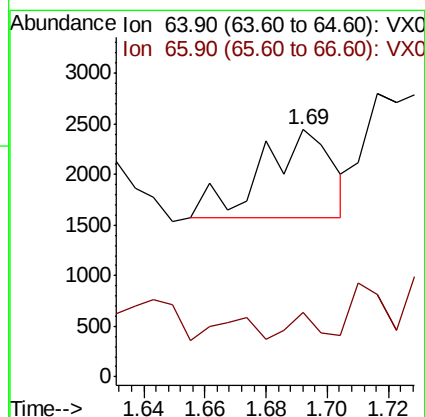
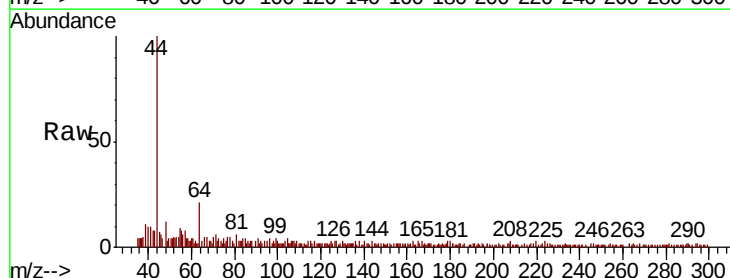
Acq: 08 Apr 2020 16:02

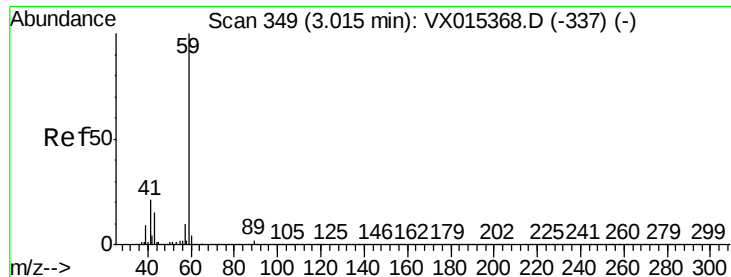
Tgt Ion: 64 Resp: 1406

Ion Ratio Lower Upper

64 100

66 32.0 25.4 38.2

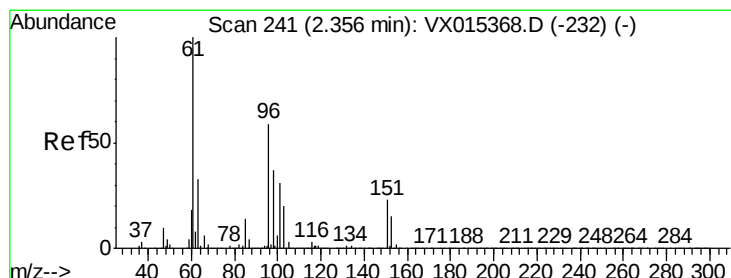
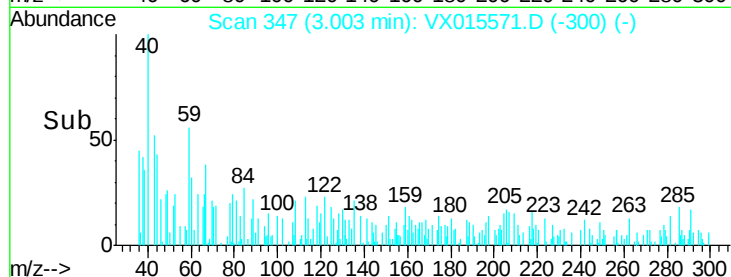
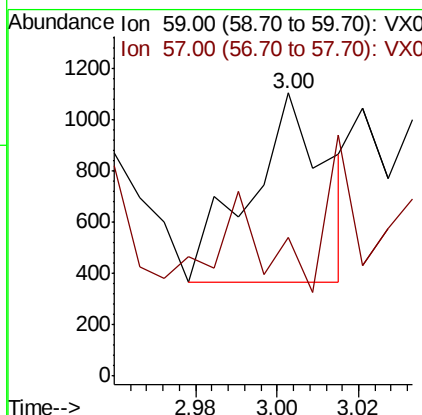
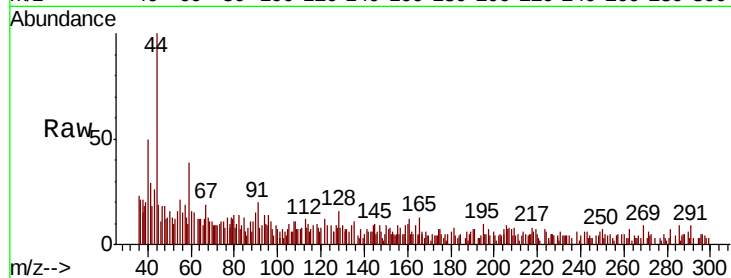




#11
Tert butyl alcohol
Concen: 0.271 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015571.D
Acq: 08 Apr 2020 16:02

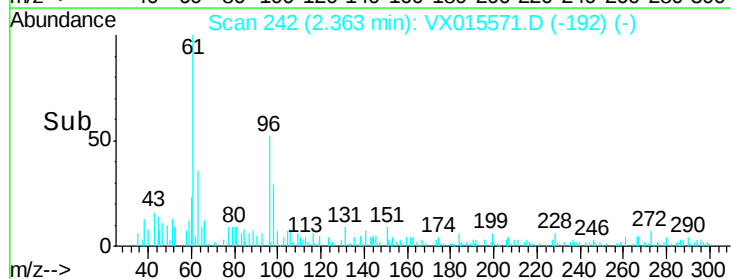
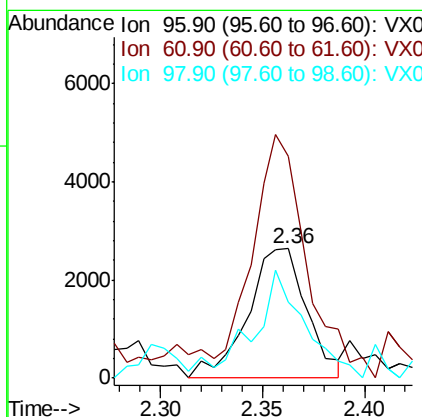
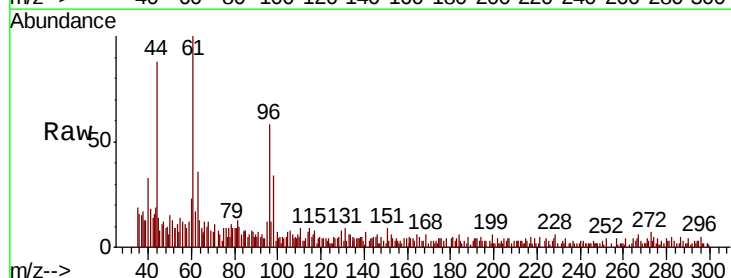
Instrument :
MSVOA_X
ClientSampleId :
STOO8MW025-200407

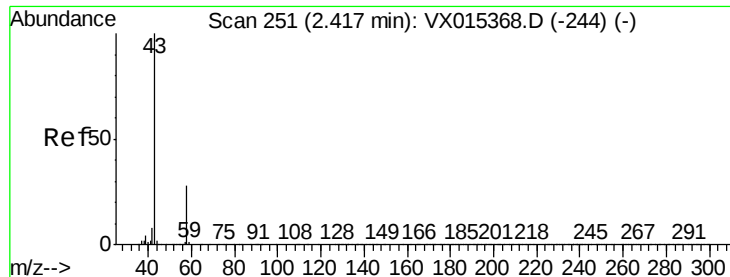
Tot Ion: 59 Resp: 971
Ion Ratio Lower Upper
59 100
57 17.9 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 0.531 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.01 min
Lab File: VX015571.D
Acq: 08 Apr 2020 16:02

Tgt Ion: 96 Resp: 5318
Ion Ratio Lower Upper
96 100
61 170.9 135.7 203.5
98 59.0 50.6 75.8





#16

Acetone

Concen: 1.670 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015571.D

Acq: 08 Apr 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

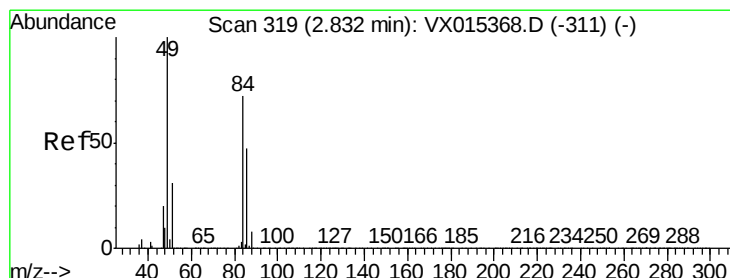
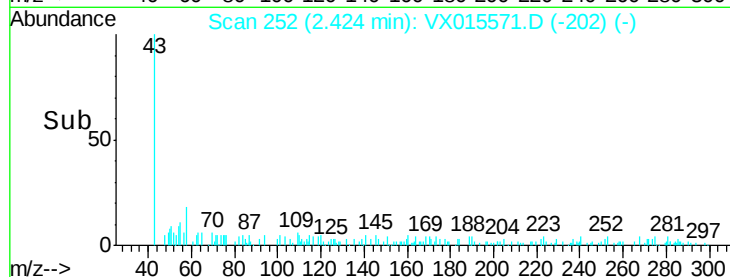
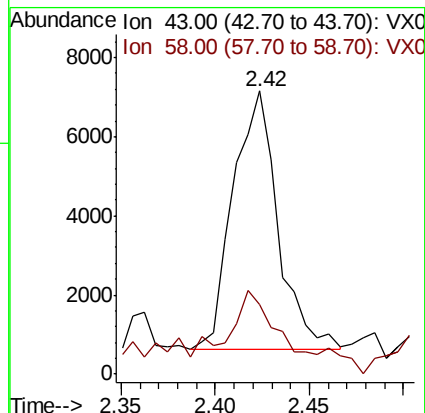
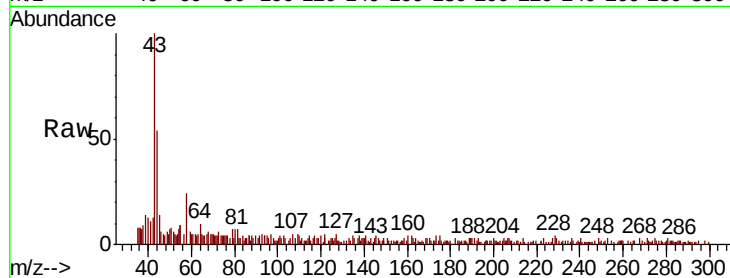
STO08MW025-200407

Tot Ion: 43 Resp: 10737

Ion Ratio Lower Upper

43 100

58 19.6 22.1 33.1#



#20

Methylene Chloride

Concen: 0.233 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.01 min

Lab File: VX015571.D

Acq: 08 Apr 2020 16:02

Tgt Ion: 84 Resp: 2799

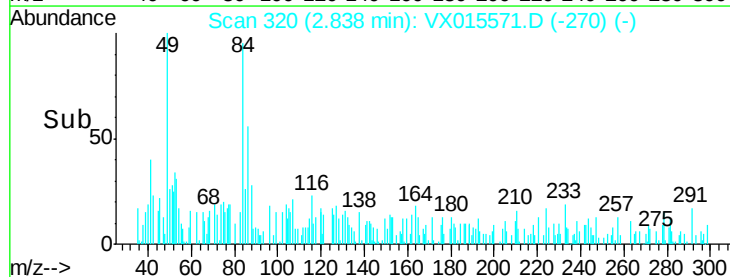
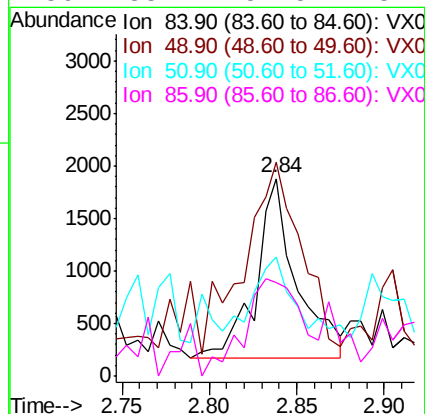
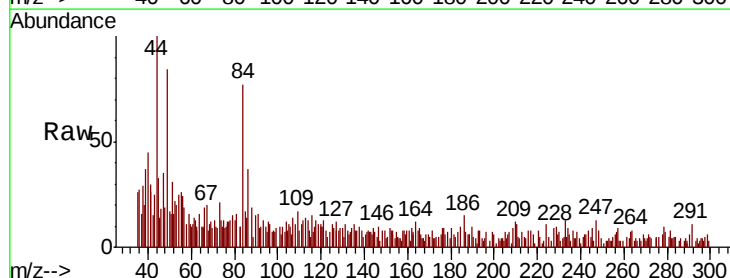
Ion Ratio Lower Upper

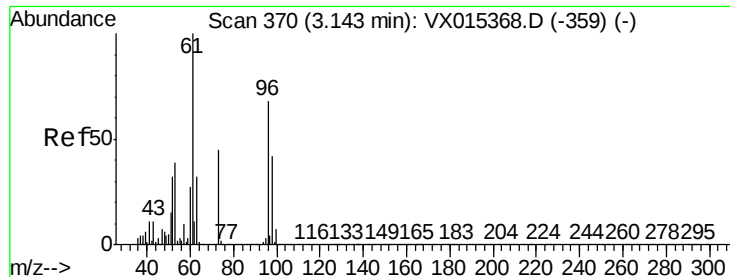
84 100

49 102.4 111.3 166.9#

51 47.8 34.0 51.0

86 33.2 52.5 78.7#





#21

trans-1,2-Dichloroethene

Concen: 0.506 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.01 min

Lab File: VX015571.D

Acq: 08 Apr 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

STOO8MW025-200407

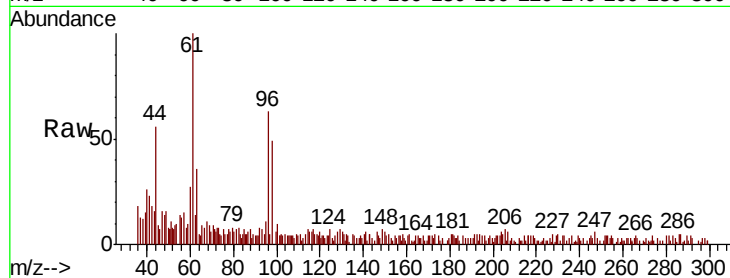
Tot Ion: 96 Resp: 5631

Ion Ratio Lower Upper

96 100

61 149.4 116.9 175.3

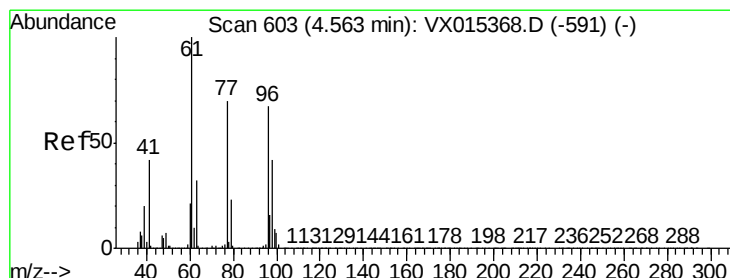
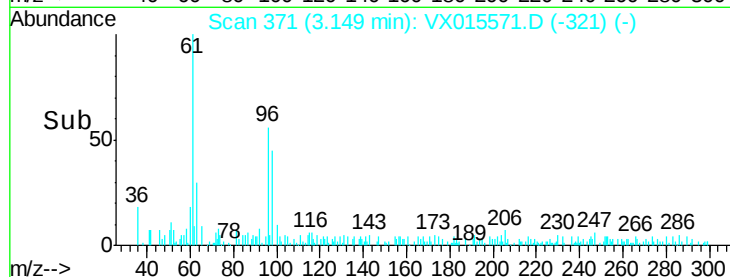
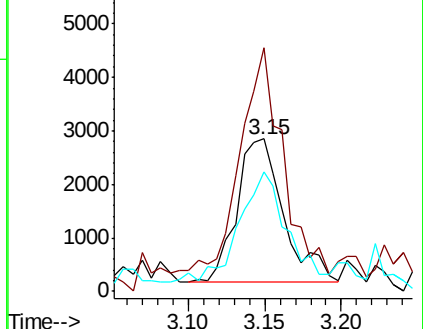
98 70.5 48.6 73.0



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



#27

cis-1,2-Dichloroethene

Concen: 128.568 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015571.D

Acq: 08 Apr 2020 16:02

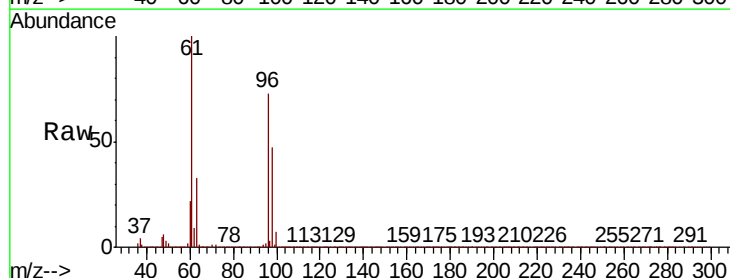
Tgt Ion: 96 Resp: 1653842

Ion Ratio Lower Upper

96 100

61 138.5 0.0 308.4

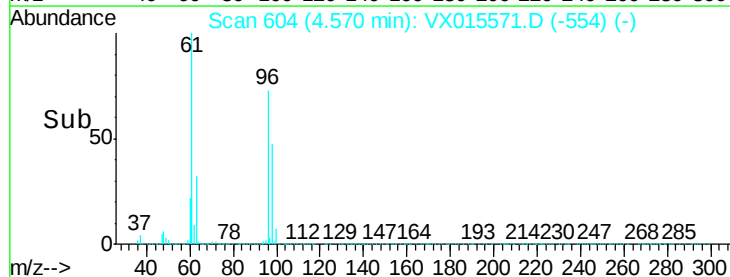
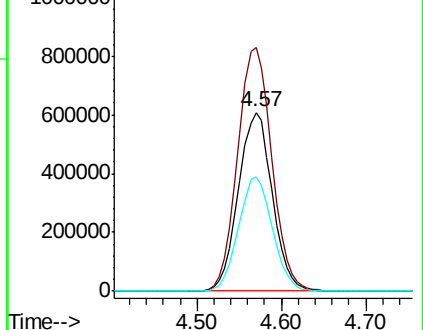
98 64.3 0.0 129.2

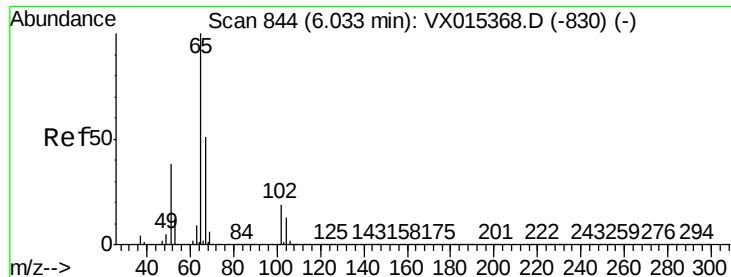


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.184 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015571.D

Acq: 08 Apr 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

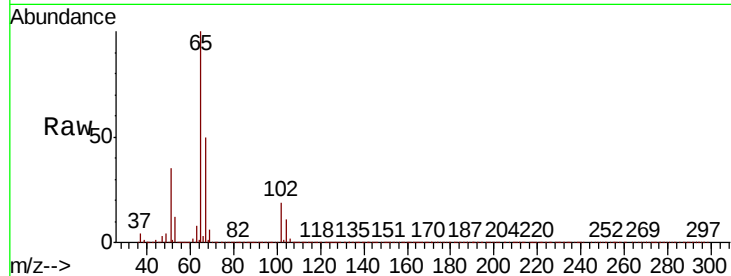
STOO8MW025-200407

Tot Ion: 65 Resp: 706174

Ion Ratio Lower Upper

65 100

67 49.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

300000

250000

200000

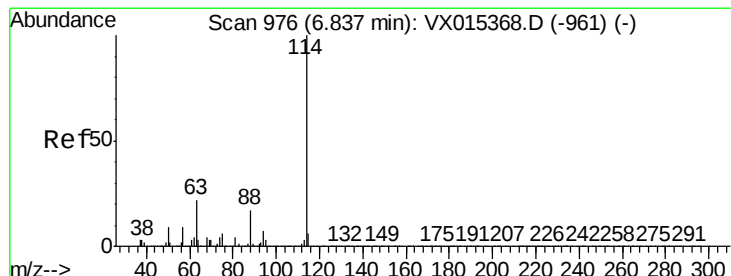
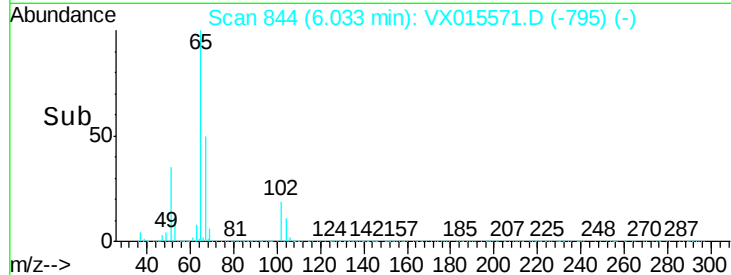
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015571.D

Acq: 08 Apr 2020 16:02

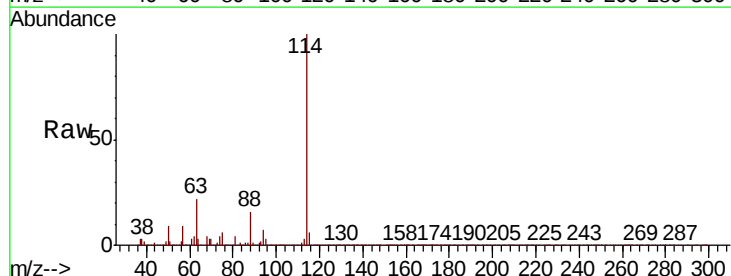
Tgt Ion: 114 Resp: 1683607

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

88 16.1 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

6.84

1000000

800000

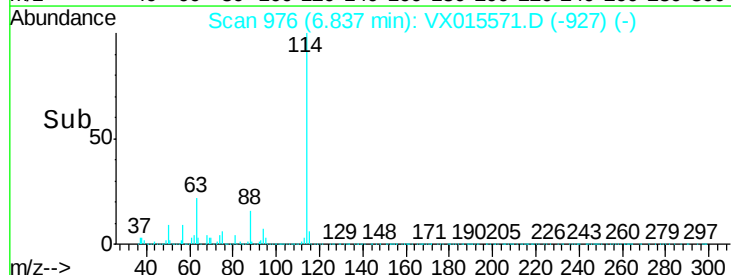
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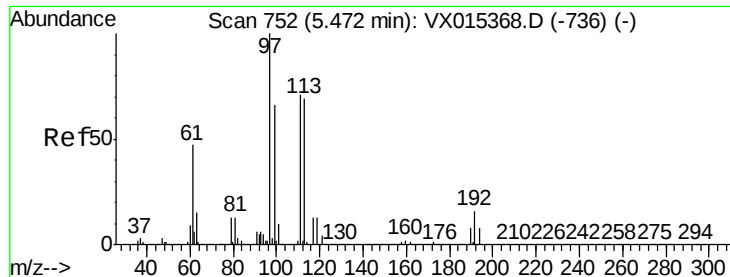
400000

200000

0

Time-->

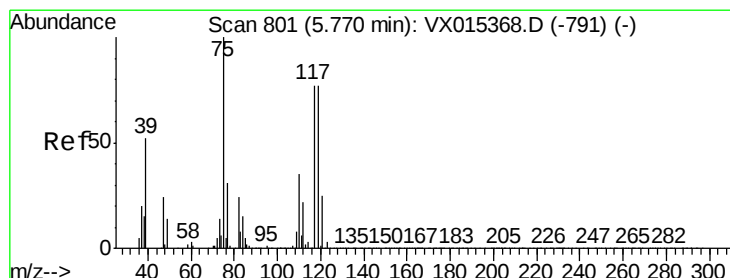
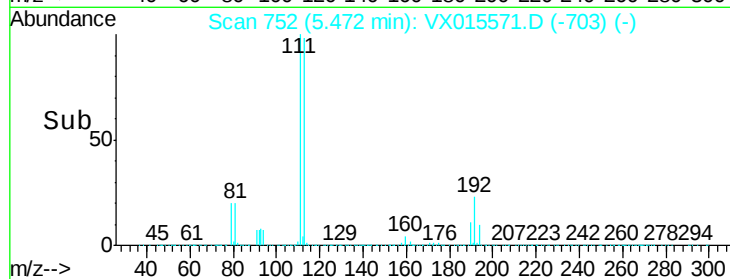
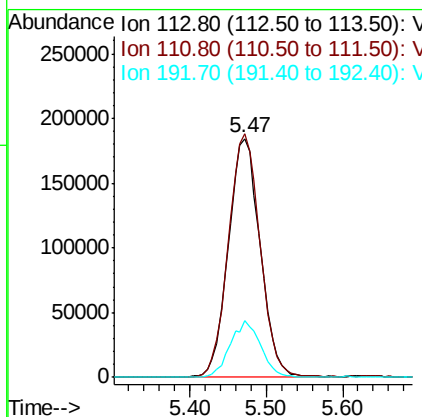
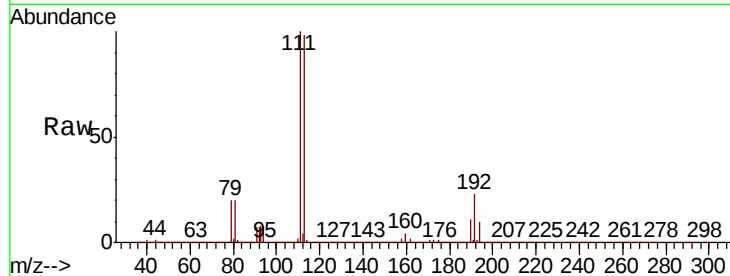




#35
 Dibromofluoromethane
 Concen: 49.374 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015571.D
 Acq: 08 Apr 2020 16:02

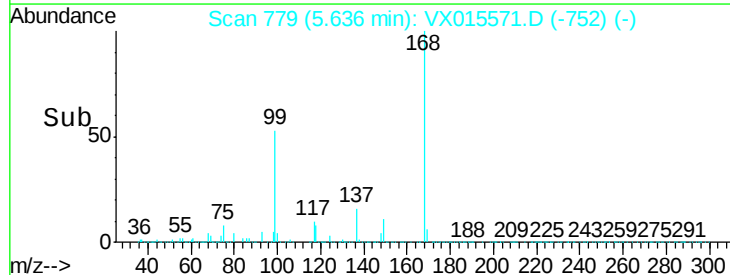
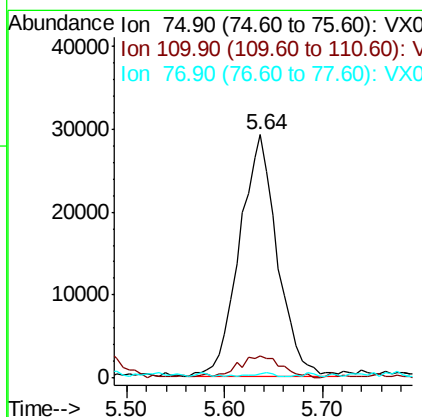
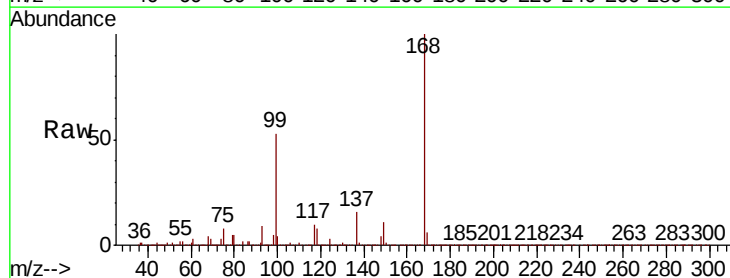
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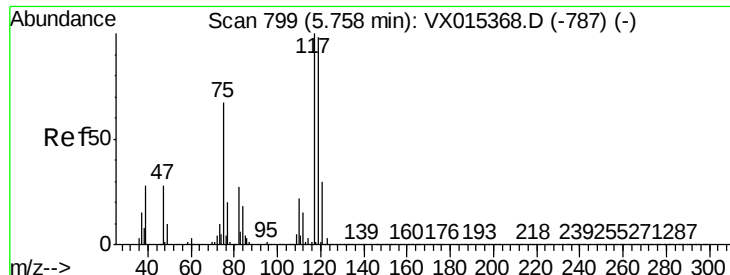
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.5	122.3
192	22.7	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.019 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015571.D
 Acq: 08 Apr 2020 16:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	17.1	51.3#
77	0.6	24.6	36.8#

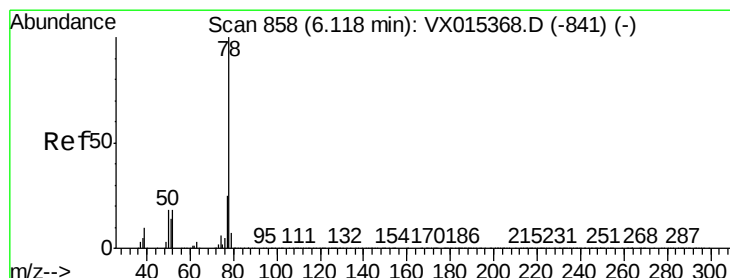
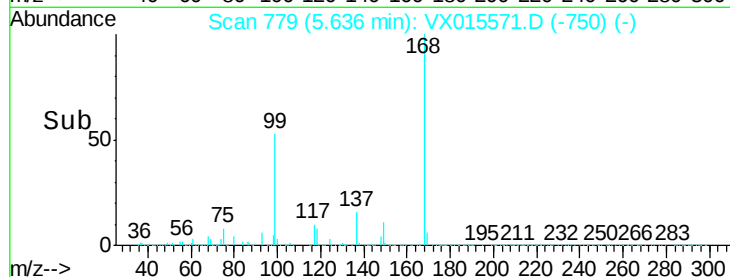
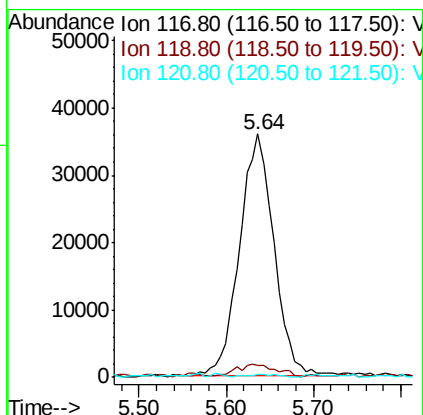
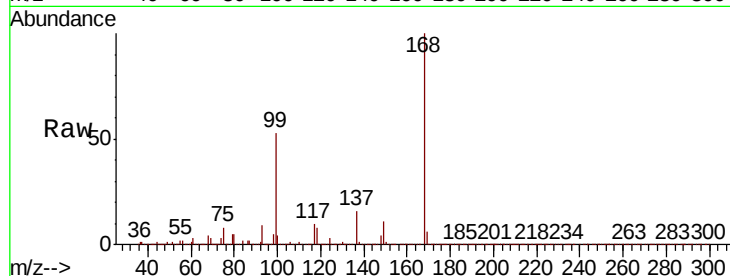




#38
Carbon Tetrachloride
Concen: 5.860 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.12 min
Lab File: VX015571.D
Acq: 08 Apr 2020 16:02

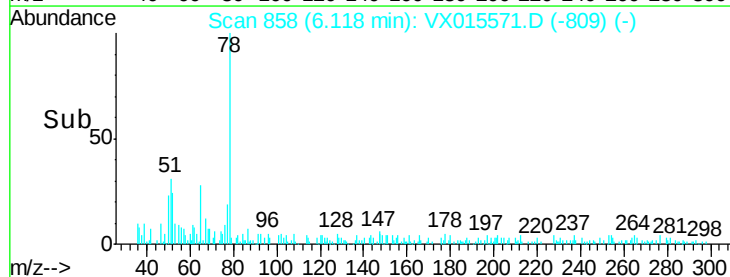
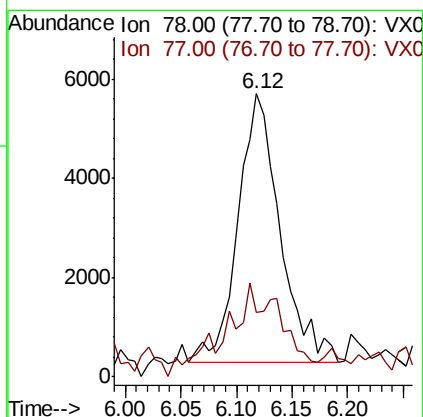
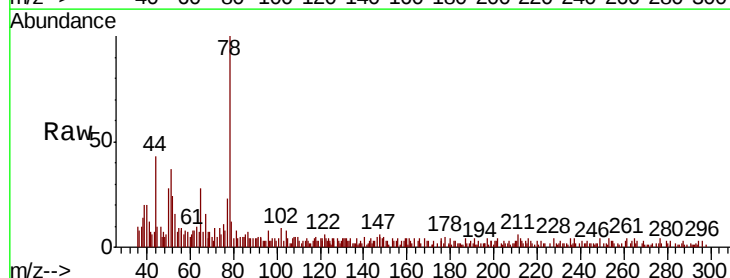
Instrument :
MSVOA_X
ClientSampleId :
STOO8MW025-200407

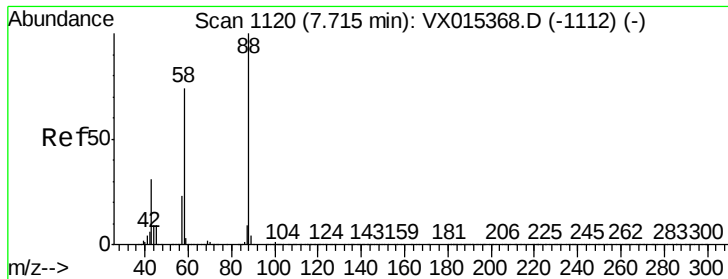
Tot Ion:117 Resp: 98458
Ion Ratio Lower Upper
117 100
119 4.2 78.0 117.0#
121 0.5 23.8 35.8#



#40
Benzene
Concen: 0.313 ug/l
RT: 6.12 min Scan# 858
Delta R.T. 0.00 min
Lab File: VX015571.D
Acq: 08 Apr 2020 16:02

Tgt Ion: 78 Resp: 14201
Ion Ratio Lower Upper
78 100
77 17.1 19.8 29.8#





#49

1,4-Dioxane

Concen: 1.070 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015571.D

Acq: 08 Apr 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

STO08MW025-200407

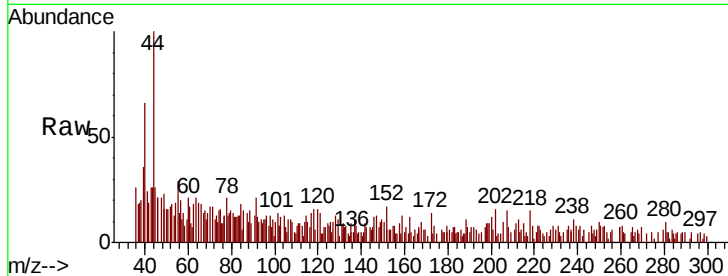
Tot Ion: 88 Resp: 340

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

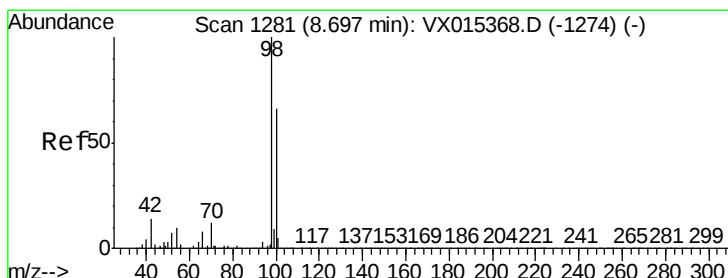
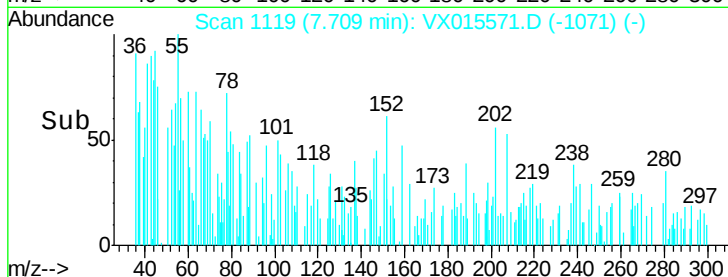
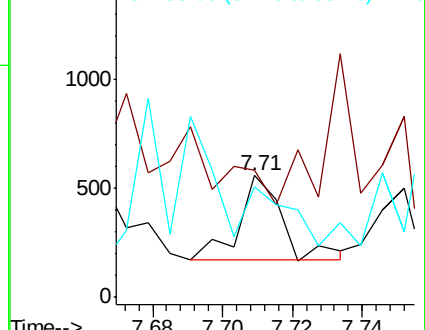
58 0.0 60.6 90.8#



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: 51.432 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015571.D

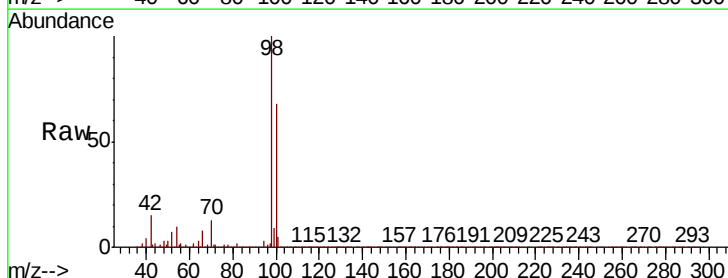
Acq: 08 Apr 2020 16:02

Tgt Ion: 98 Resp: 2037899

Ion Ratio Lower Upper

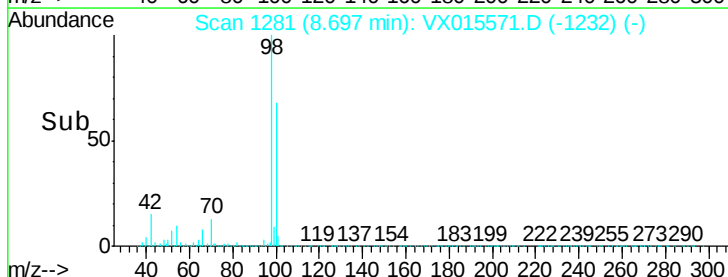
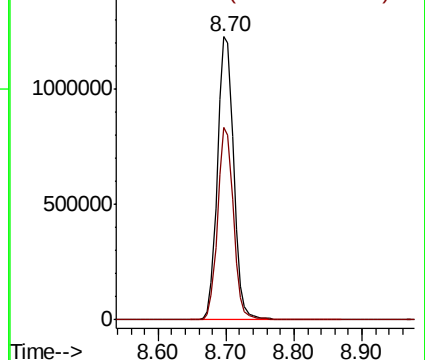
98 100

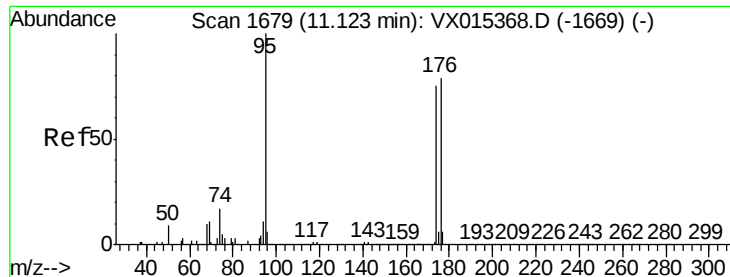
100 66.2 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.156 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015571.D

Acq: 08 Apr 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

STOO8MW025-200407

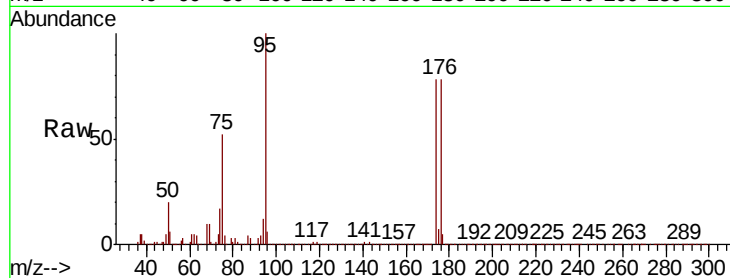
Tot Ion: 95 Resp: 872070

Ion Ratio Lower Upper

95 100

174 81.5 0.0 158.6

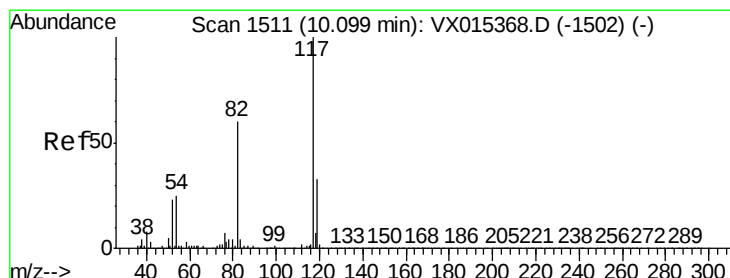
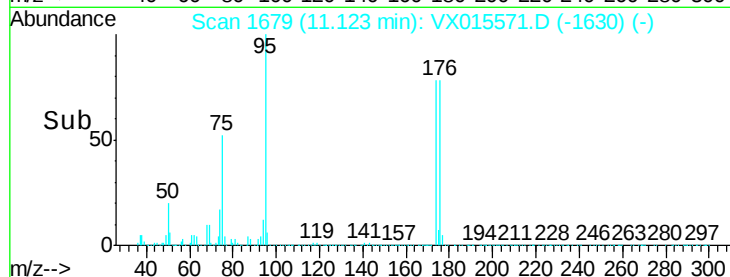
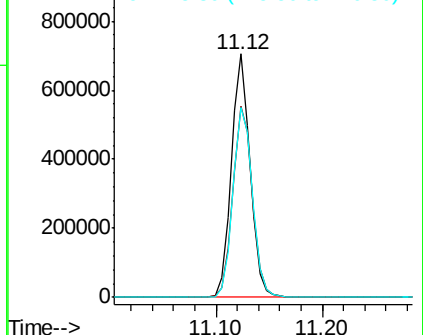
176 81.4 0.0 159.0



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: VX015571.D

Acq: 08 Apr 2020 16:02

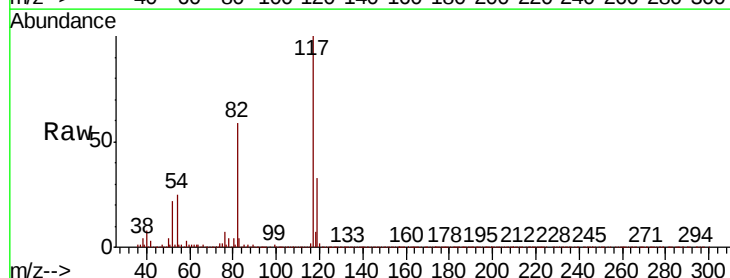
Tgt Ion: 117 Resp: 1631308

Ion Ratio Lower Upper

117 100

82 58.5 47.8 71.8

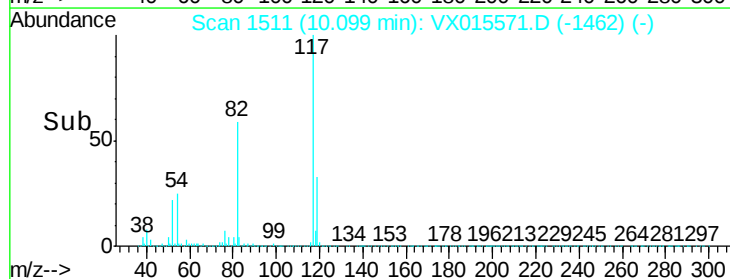
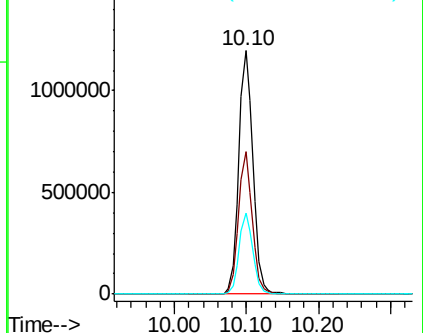
119 33.4 26.8 40.2

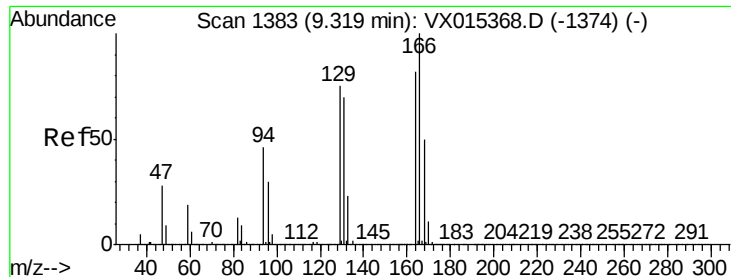


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

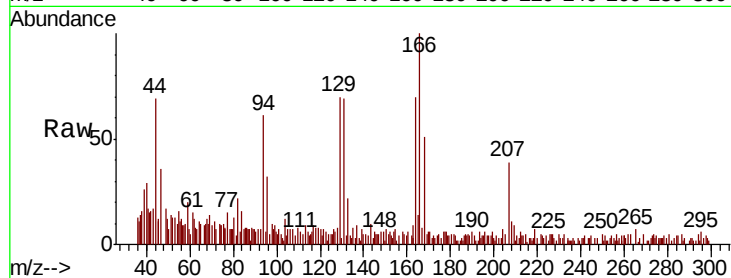




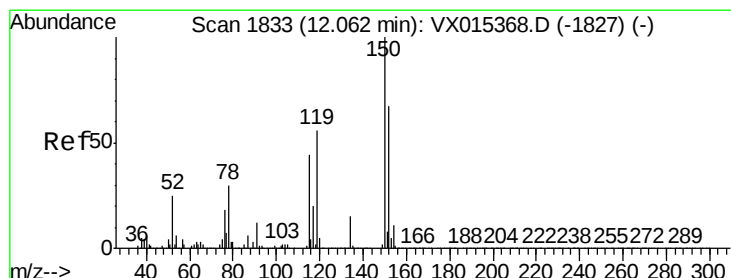
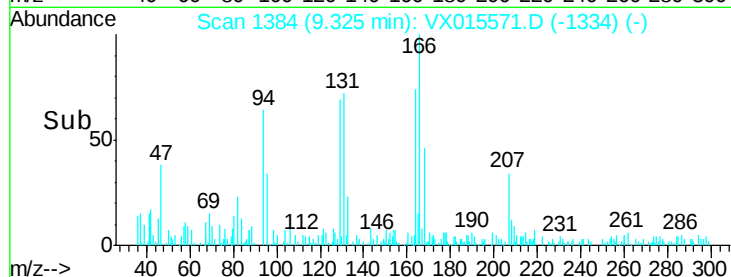
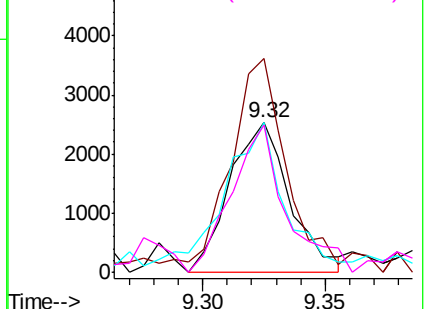
#64
Tetrachloroethene
Concen: 0.351 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX015571.D
Acq: 08 Apr 2020 16:02

Instrument :
MSVOA_X
ClientSampleId :
STOO8MW025-200407

Tot Ion:164 Resp: 4324
Ion Ratio Lower Upper
164 100
166 137.8 97.8 146.6
129 92.6 73.0 109.4
131 91.3 68.6 103.0

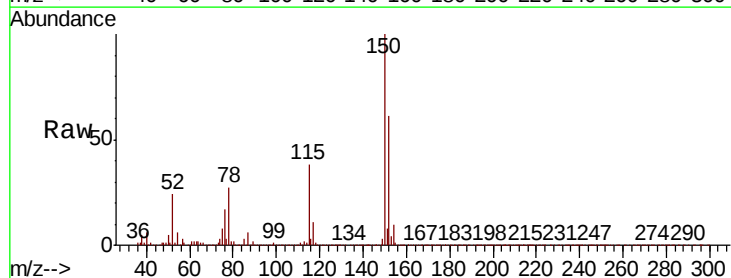


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

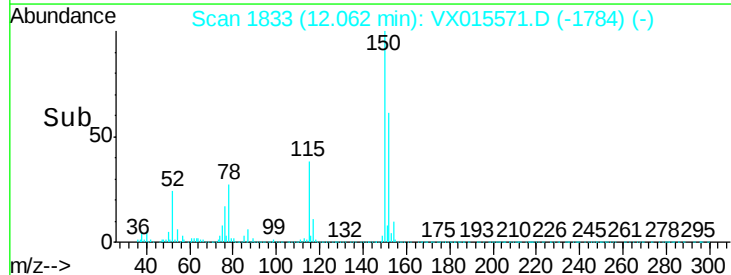
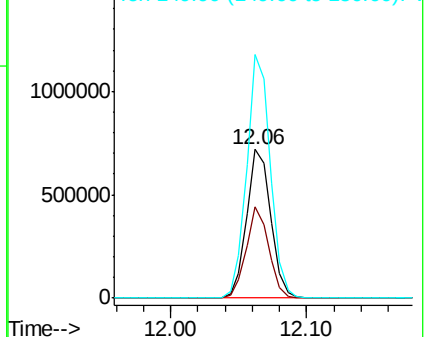


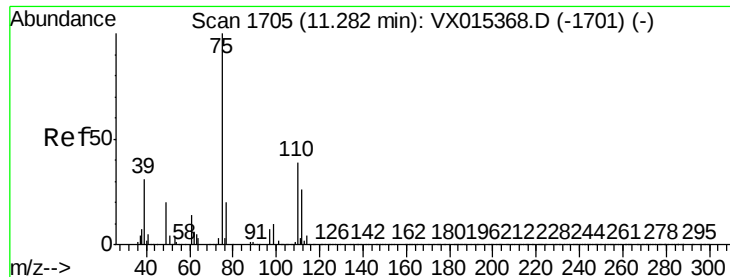
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015571.D
Acq: 08 Apr 2020 16:02

Tgt Ion:152 Resp: 889335
Ion Ratio Lower Upper
152 100
115 57.9 39.0 116.9
150 160.6 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: 24.872 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015571.D

Acq: 08 Apr 2020 16:02

Instrument :

MSVOA_X

ClientSampleId :

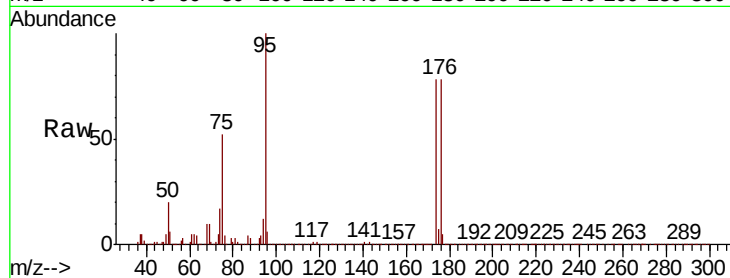
STOO8MW025-200407

Tot Ion: 75 Resp: 454864

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

400000

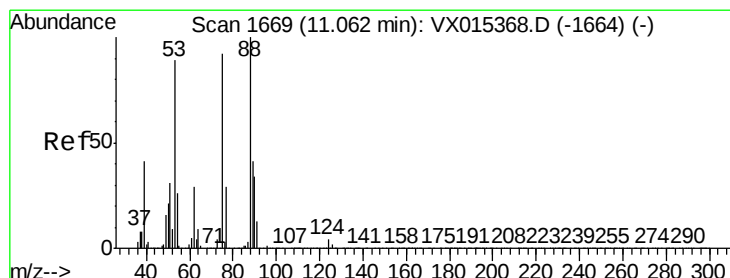
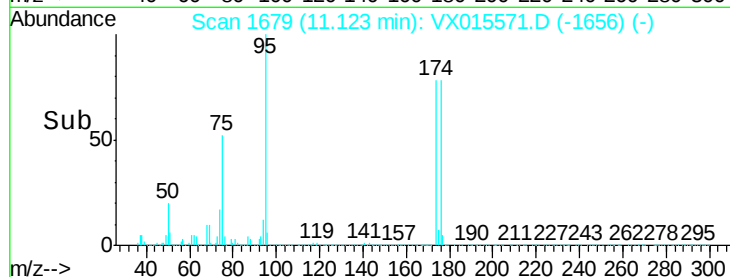
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.678 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015571.D

Acq: 08 Apr 2020 16:02

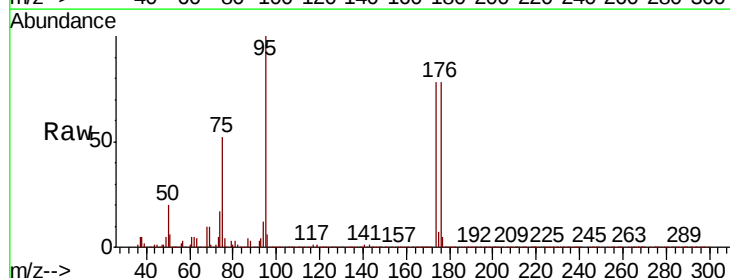
Tgt Ion: 75 Resp: 454864

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

500000

400000

300000

200000

100000

0

Time-->

