

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040620\
 Data File : VX015518.D
 Acq On : 06 Apr 2020 17:19
 Operator : JC/SP
 Sample : L2123-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-040320

Quant Time: Apr 07 05:04:18 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	1200608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1945271	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1909206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	1047690	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	806447	47.63	ug/l	0.00
Spiked Amount						
			Recovery	=	95.26%	
35) Dibromofluoromethane	5.47	113	618906	49.77	ug/l	0.00
Spiked Amount						
			Recovery	=	99.54%	
50) Toluene-d8	8.70	98	2395185	52.32	ug/l	0.00
Spiked Amount						
			Recovery	=	104.64%	
62) 4-Bromofluorobenzene	11.12	95	1045270	56.18	ug/l	0.00
Spiked Amount						
			Recovery	=	112.36%	

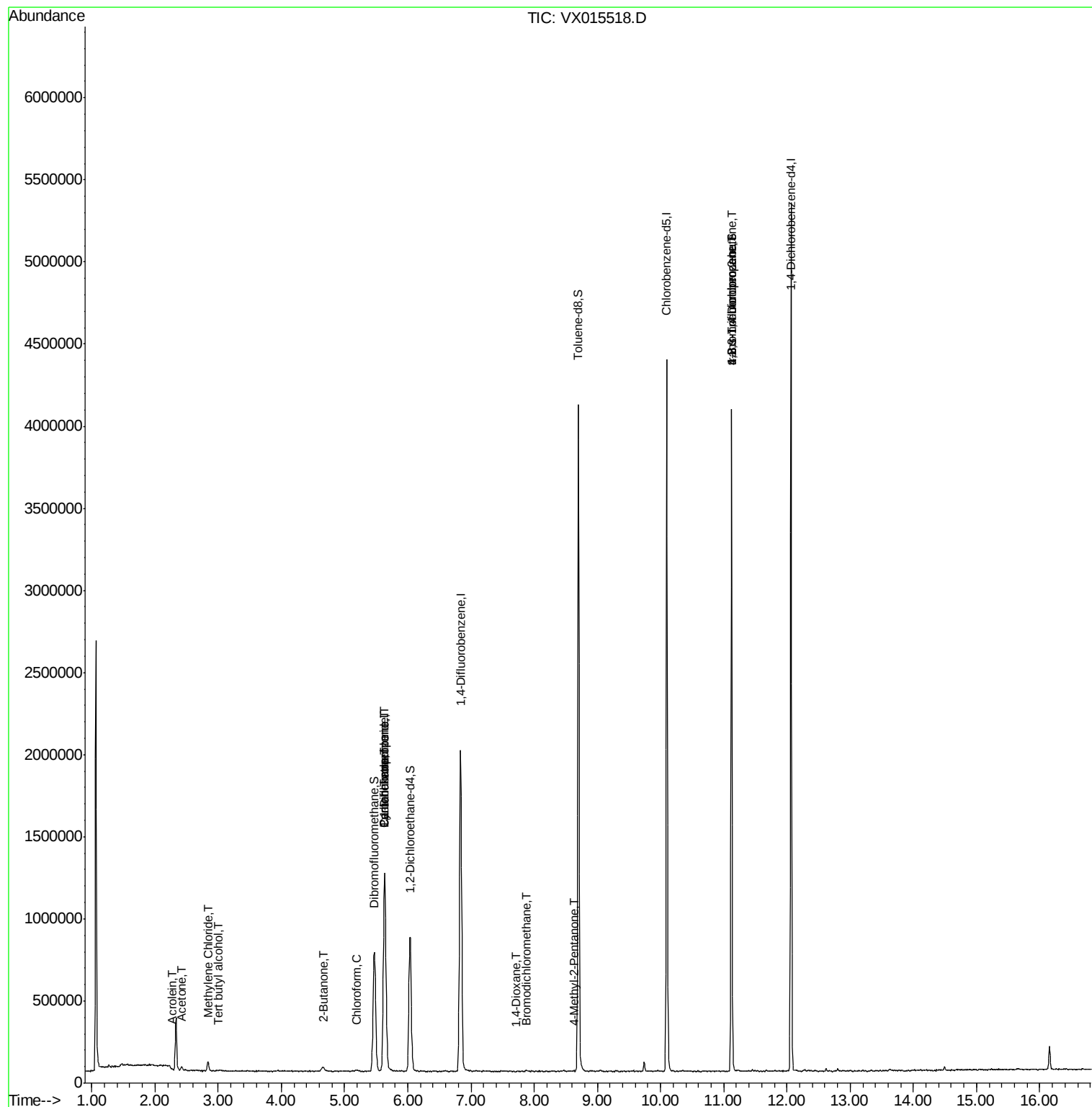
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	584	Below Cal	#	3
11) Tert butyl alcohol	3.01	59	7951	1.962	ug/l #	88
13) Acrolein	2.28	56	1057	0.458	ug/l #	14
16) Acetone	2.42	43	24368	3.350	ug/l	97
20) Methylene Chloride	2.84	84	24811	1.826	ug/l	97
25) 2-Butanone	4.66	43	5811	0.497	ug/l #	70
30) Chloroform	5.19	83	13085	0.550	ug/l #	82
31) Cyclohexane	5.63	56	24834	1.159	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	88354	4.930	ug/l #	43
38) Carbon Tetrachloride	5.63	117	116977	6.026	ug/l #	15
47) Bromodichloromethane	7.87	83	5820	0.290	ug/l #	88
49) 1,4-Dioxane	7.70	88	510	1.389	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	5611	0.251	ug/l #	63
76) 1,2,3-Trichloropropane	11.12	75	551723	25.608	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	551723	61.445	ug/l #	10

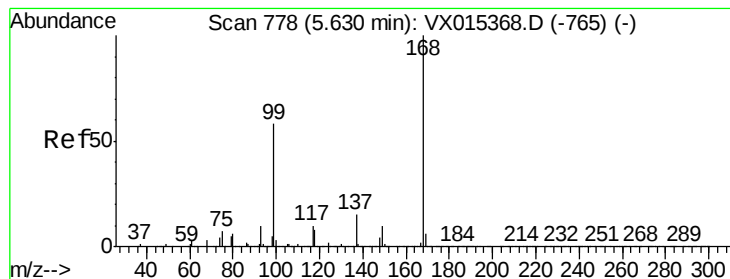
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015518.D

Acq: 06 Apr 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

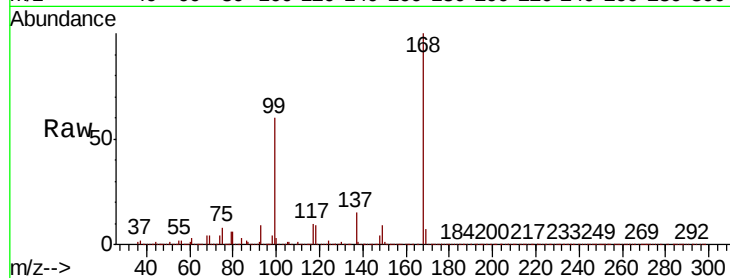
TR-05-040320

Tot Ion:168 Resp: 1200608

Ion Ratio Lower Upper

168 100

99 60.2 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

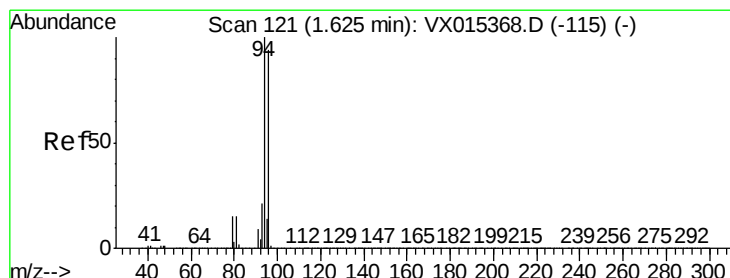
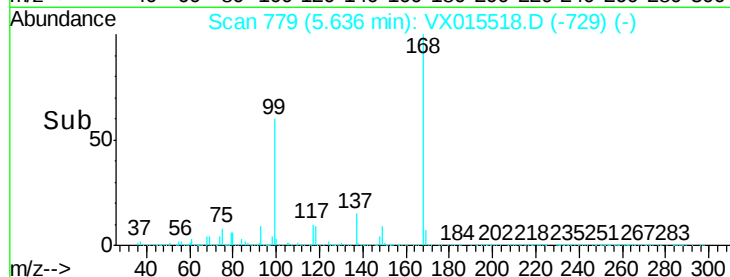
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 118

Delta R.T. -0.02 min

Lab File: VX015518.D

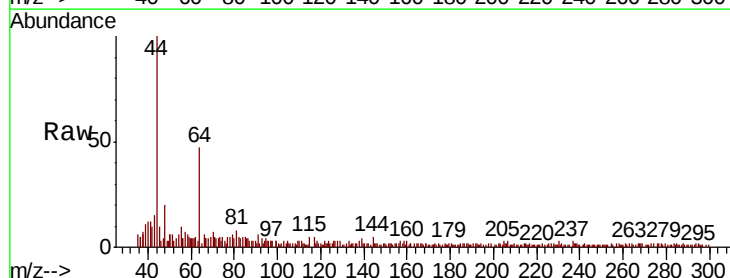
Acq: 06 Apr 2020 17:19

Tgt Ion: 94 Resp: 584

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

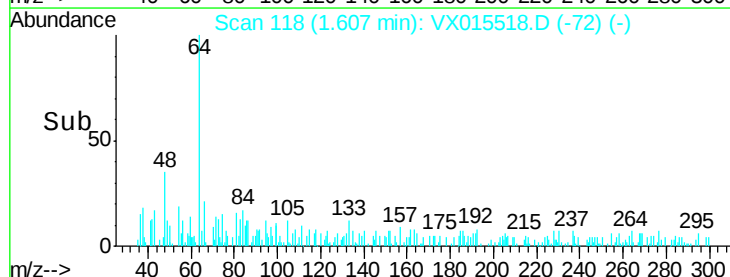
600

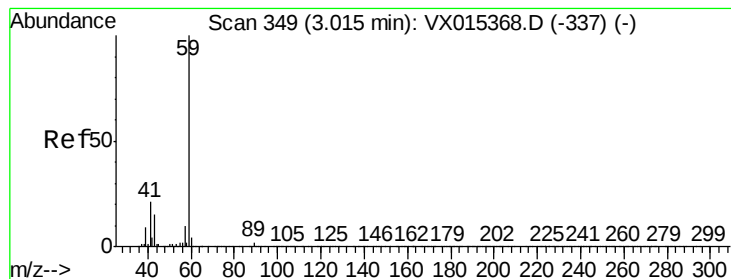
400

200

0

Time-->



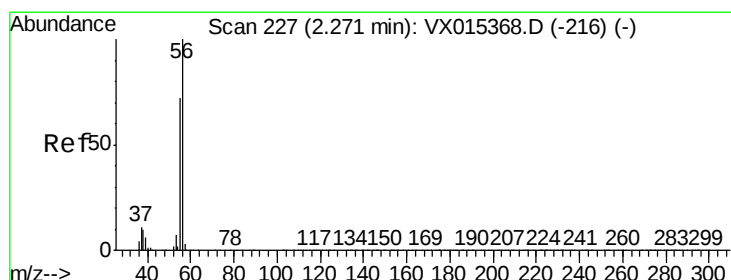
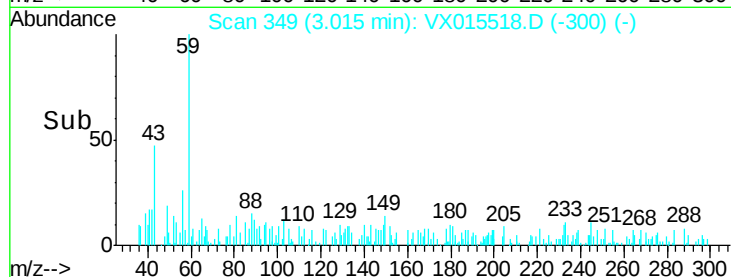
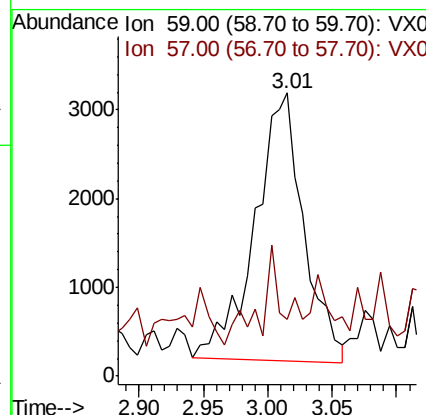
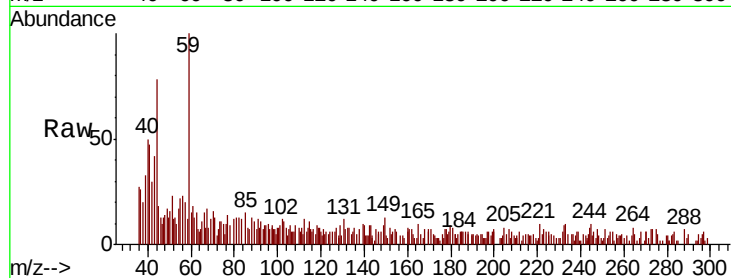


#11

Tert butvl alcohol
Concen: 1.962 ug/l
RT: 3.01 min Scan# 349
Delta R.T. 0.00 min
Lab File: VX015518.D
Acq: 06 Apr 2020 17:19

Instrument :
MSVOA_X
ClientSampled :
TR-05-040320

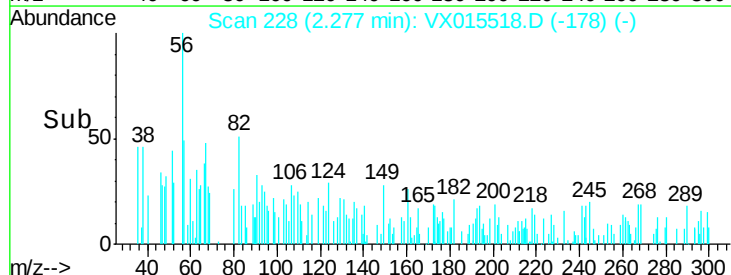
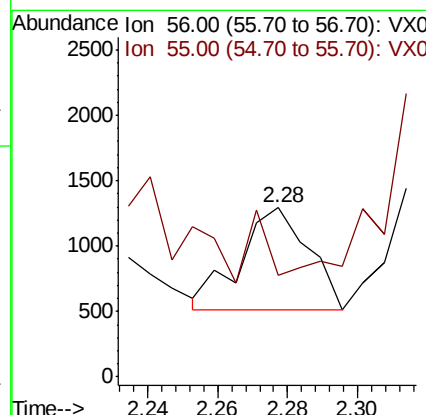
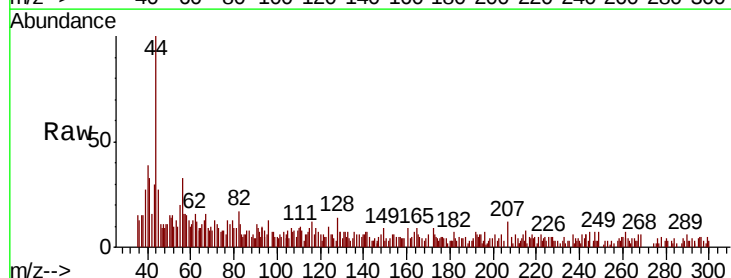
Tot Ion: 59 Resp: 7951
Ion Ratio Lower Upper
59 100
57 5.7 8.1 12.1#

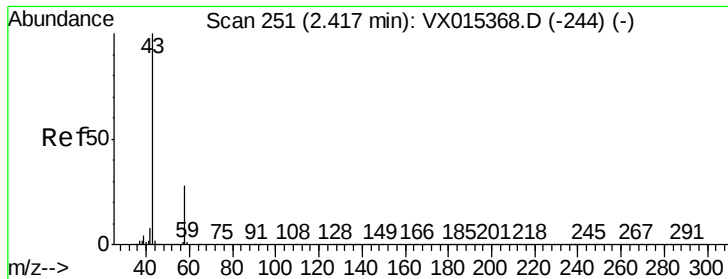


#13

Acrolein
Concen: 0.458 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015518.D
Acq: 06 Apr 2020 17:19

Tgt Ion: 56 Resp: 1057
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

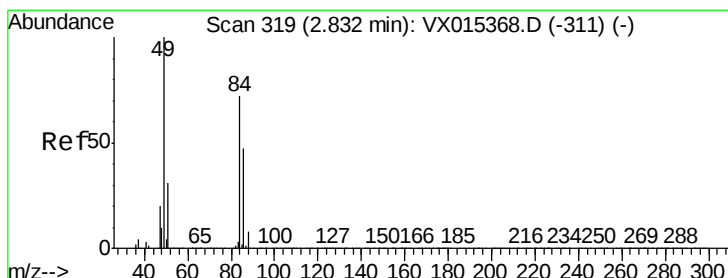
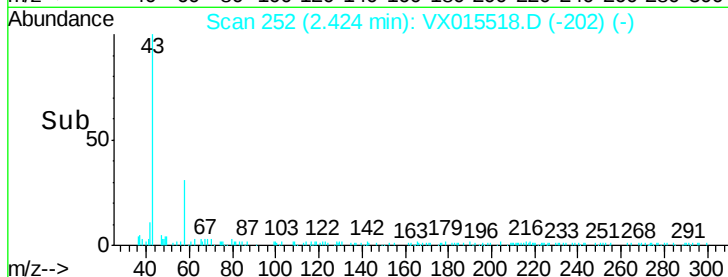
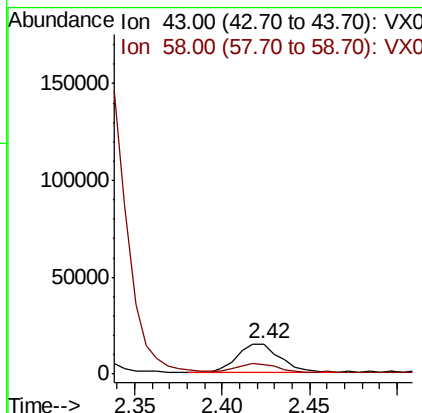
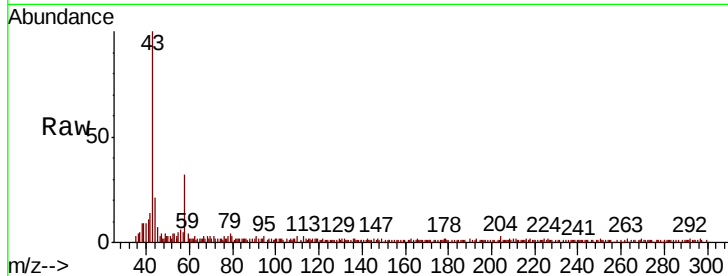




#16
Acetone
Concen: 3.350 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015518.D
Acq: 06 Apr 2020 17:19

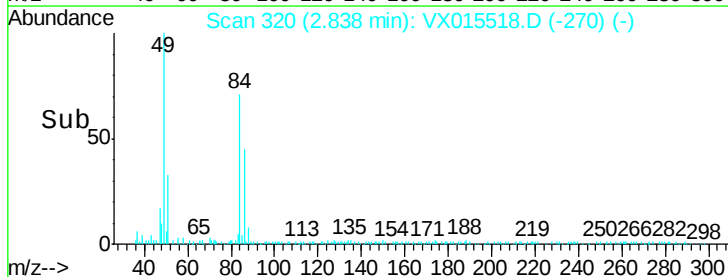
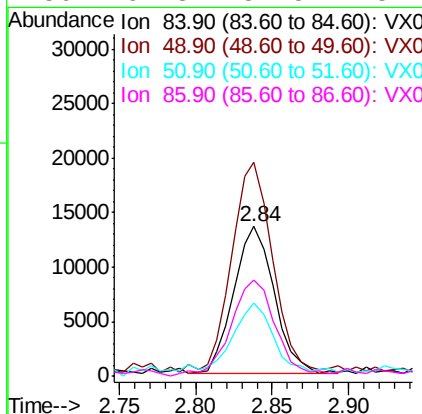
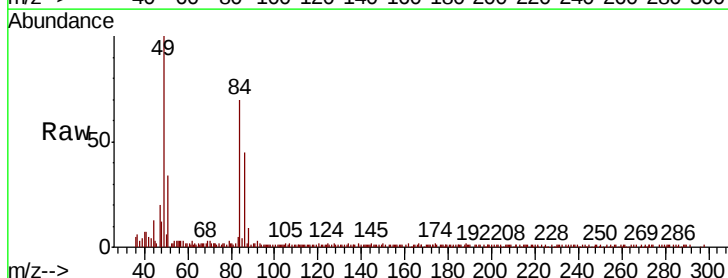
Instrument :
MSVOA_X
ClientSampleId :
TR-05-040320

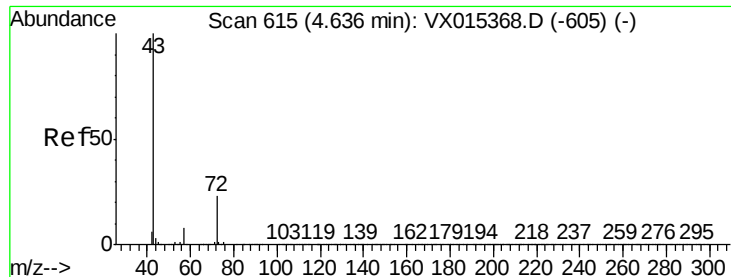
Tot Ion: 43 Resp: 24368
Ion Ratio Lower Upper
43 100
58 29.3 22.1 33.1



#20
Methylene Chloride
Concen: 1.826 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015518.D
Acq: 06 Apr 2020 17:19

Tgt Ion: 84 Resp: 24811
Ion Ratio Lower Upper
84 100
49 139.2 111.3 166.9
51 47.7 34.0 51.0
86 62.3 52.5 78.7





#25

2-Butanone

Concen: 0.497 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.02 min

Lab File: VX015518.D

Acq: 06 Apr 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

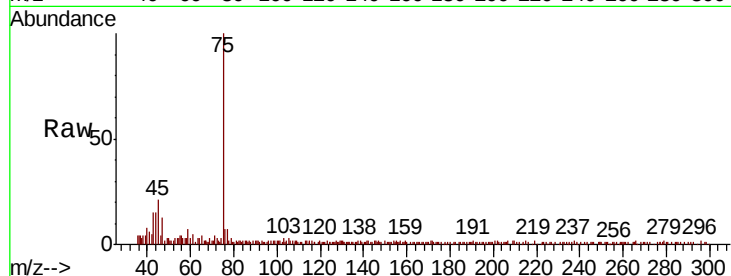
TR-05-040320

Tot Ion: 43 Resp: 5811

Ion Ratio Lower Upper

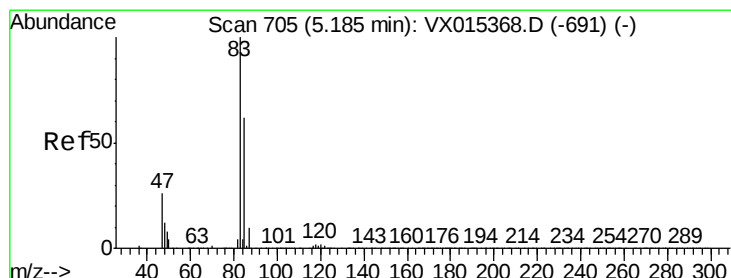
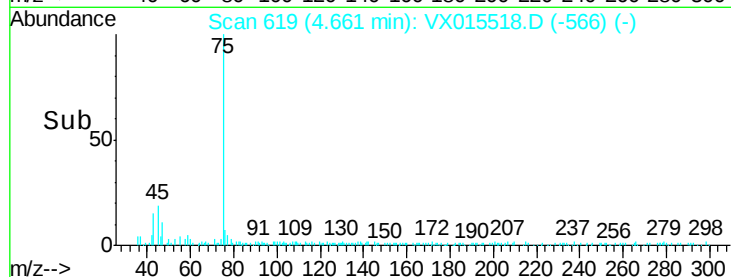
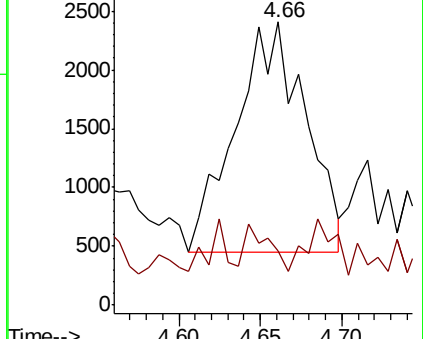
43 100

72 9.1 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#30

Chloroform

Concen: 0.550 ug/l

RT: 5.19 min Scan# 706

Delta R.T. 0.01 min

Lab File: VX015518.D

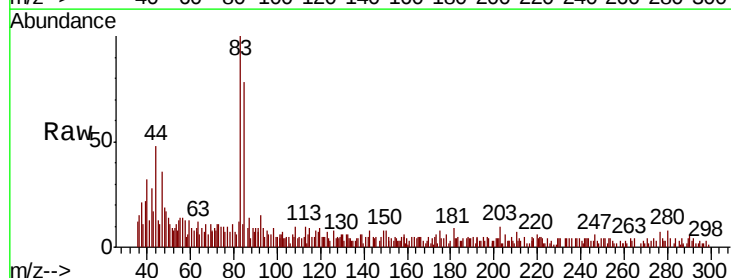
Acq: 06 Apr 2020 17:19

Tgt Ion: 83 Resp: 13085

Ion Ratio Lower Upper

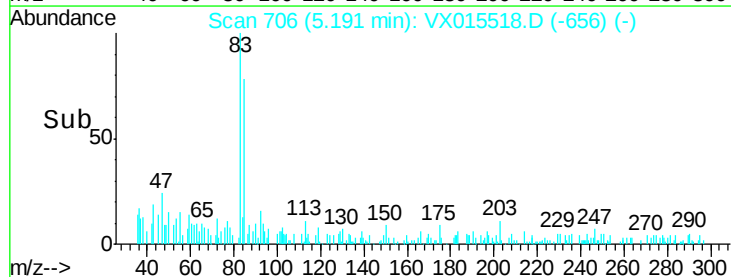
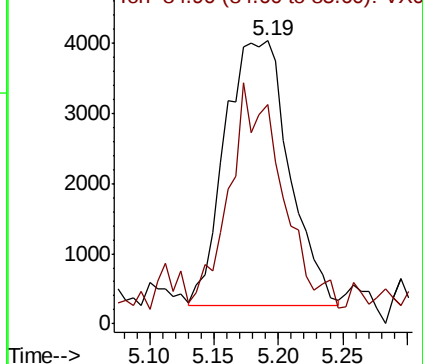
83 100

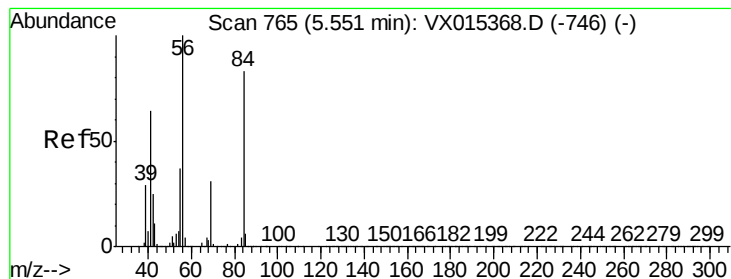
85 75.8 49.5 74.3#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 1.159 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.08 min

Lab File: VX015518.D

Acq: 06 Apr 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

TR-05-040320

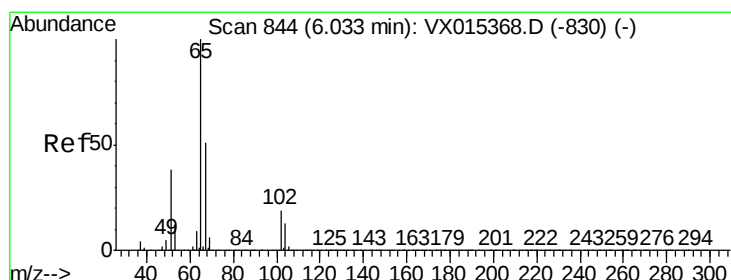
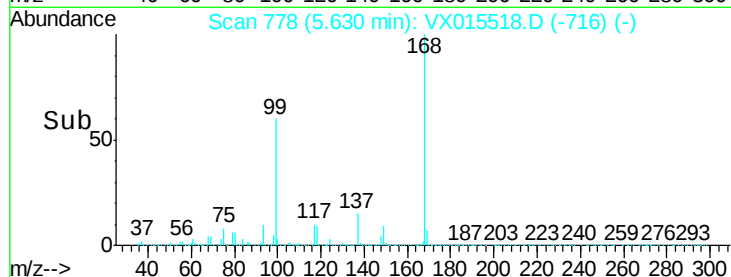
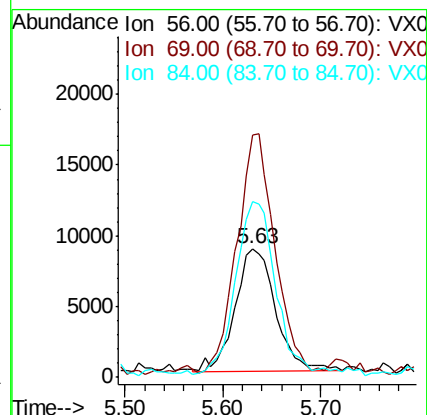
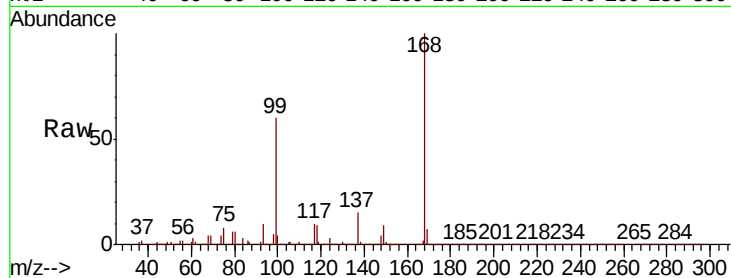
Tot Ion: 56 Resp: 24834

Ion Ratio Lower Upper

56 100

69 193.4 24.6 36.8#

84 141.9 66.1 99.1#



#33

1,2-Dichloroethane-d4

Concen: 47.625 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015518.D

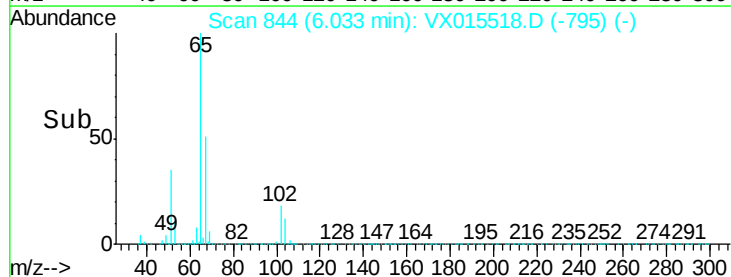
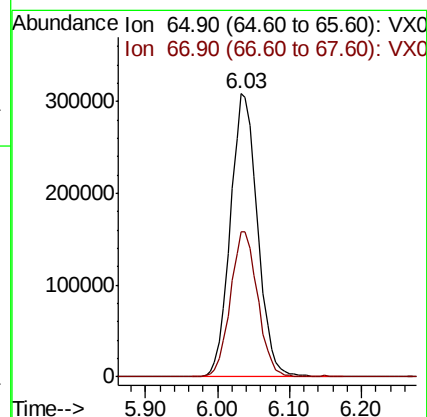
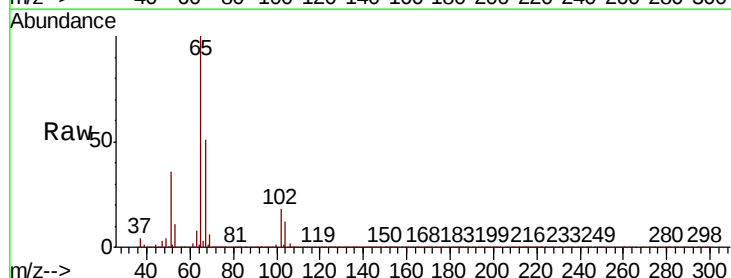
Acq: 06 Apr 2020 17:19

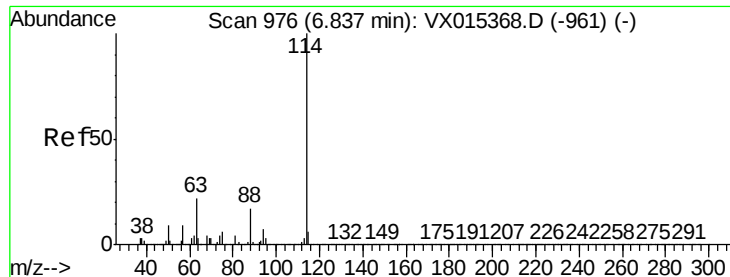
Tgt Ion: 65 Resp: 806447

Ion Ratio Lower Upper

65 100

67 51.4 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: VX015518.D

Acq: 06 Apr 2020 17:19

Instrument :

MSVOA_X

ClientSampled :

TR-05-040320

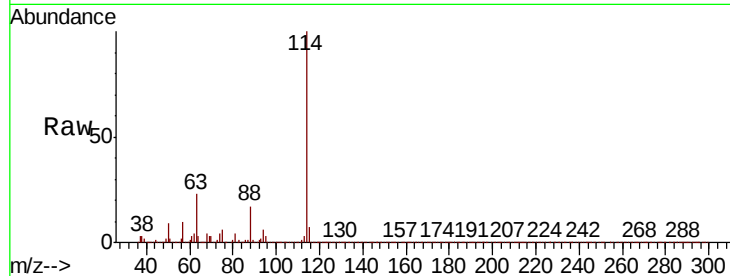
Tot Ion:114 Resp: 1945271

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.2

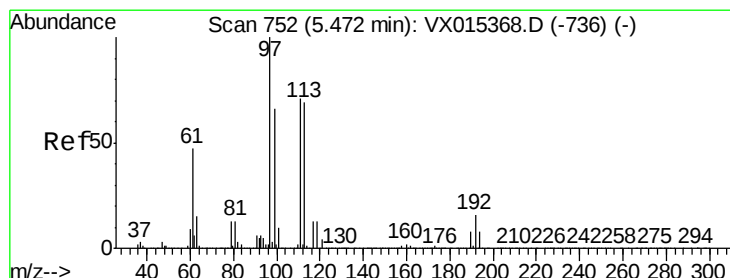
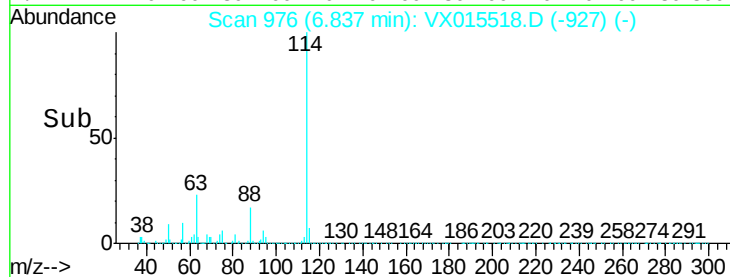
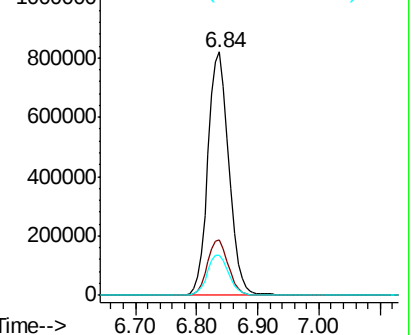
88 16.5 0.0 33.8



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: 49.772 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015518.D

Acq: 06 Apr 2020 17:19

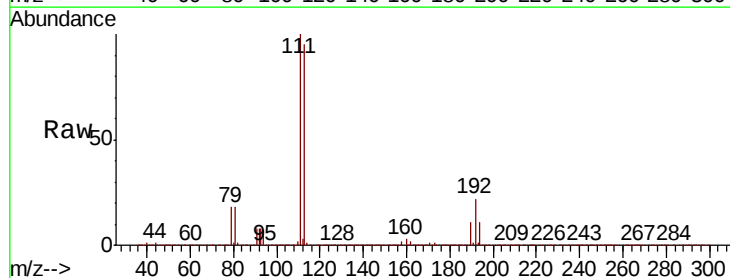
Tgt Ion:113 Resp: 618906

Ion Ratio Lower Upper

113 100

111 102.1 81.5 122.3

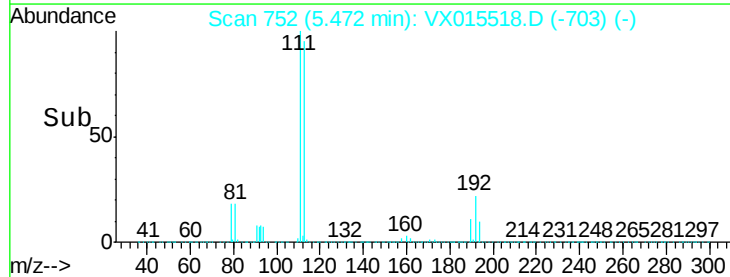
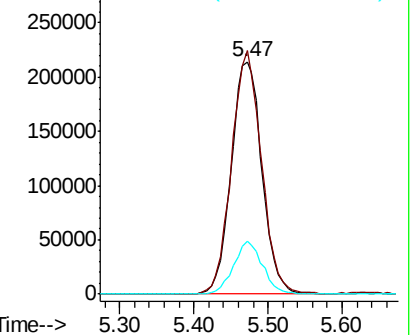
192 21.4 17.8 26.6

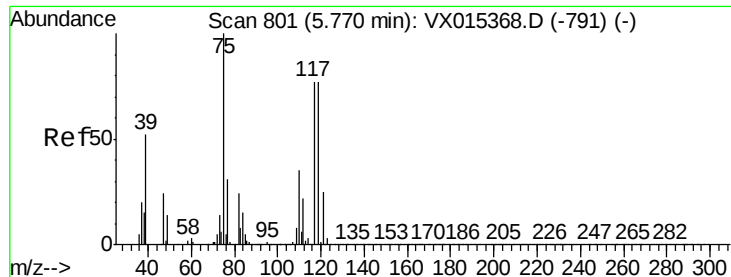


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.930 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015518.D

Acq: 06 Apr 2020 17:19

Instrument :

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TR-05-040320

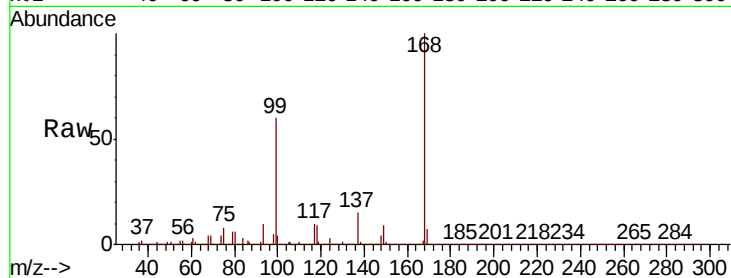
Tot Ion: 75 Resp: 88354

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.3#

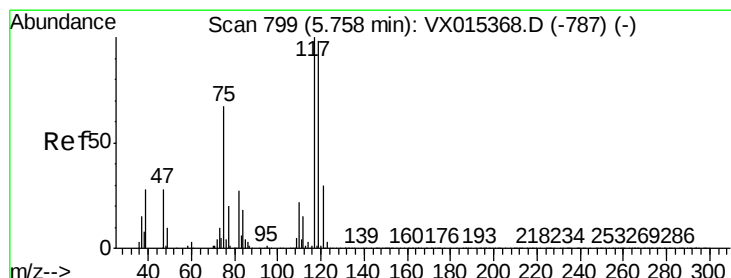
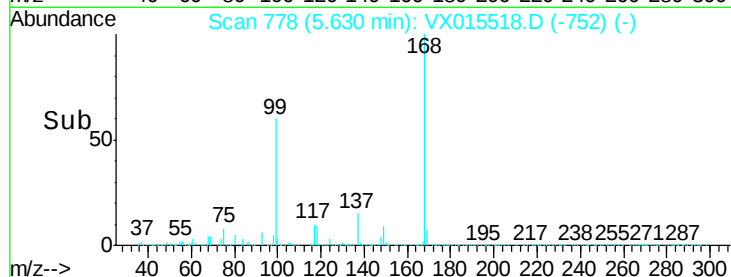
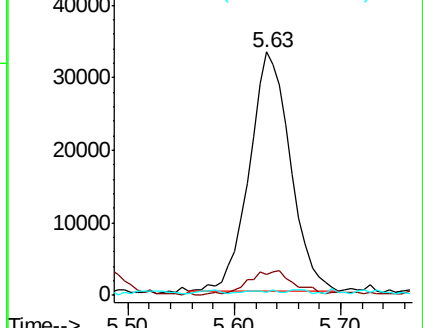
77 0.7 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.026 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015518.D

Acq: 06 Apr 2020 17:19

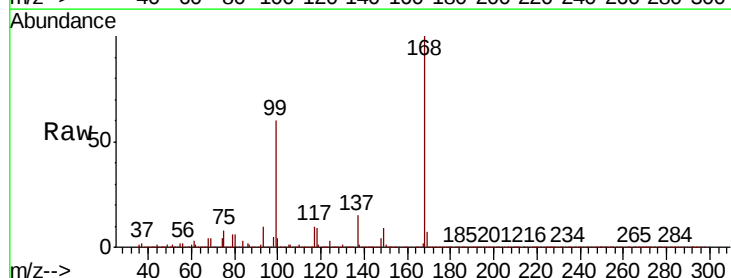
Tgt Ion: 117 Resp: 116977

Ion Ratio Lower Upper

117 100

119 4.5 78.0 117.0#

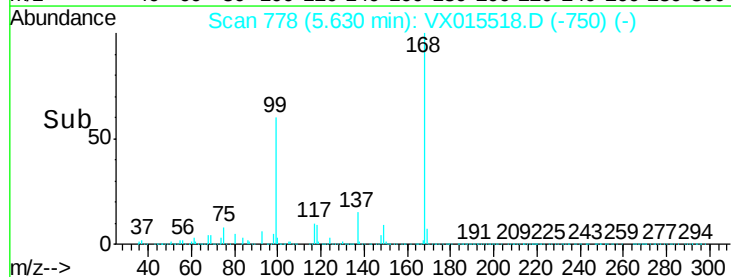
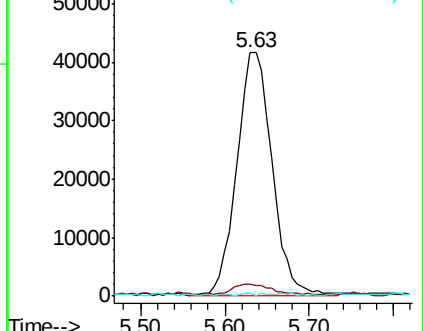
121 0.3 23.8 35.8#

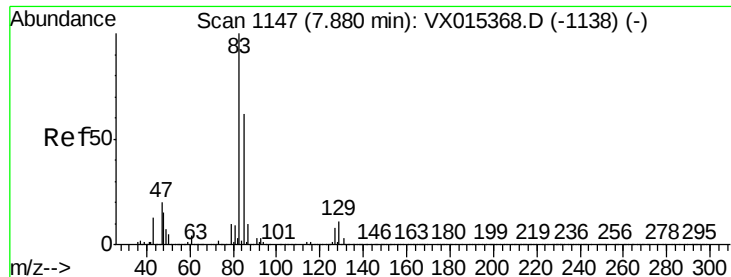


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#47

Bromodichloromethane

Concen: 0.290 ug/l

RT: 7.87 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VX015518.D

Acq: 06 Apr 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

TR-05-040320

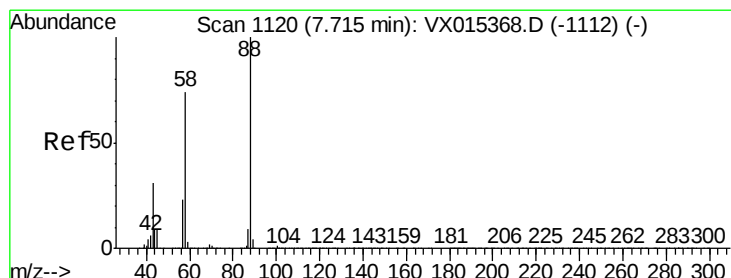
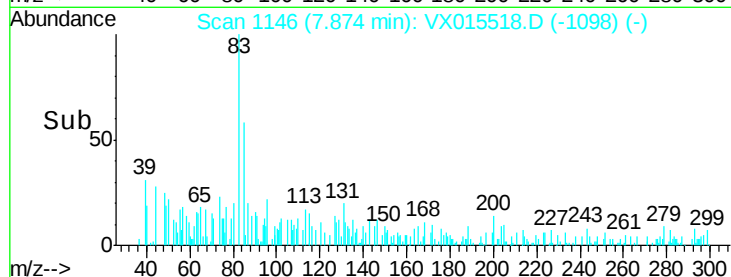
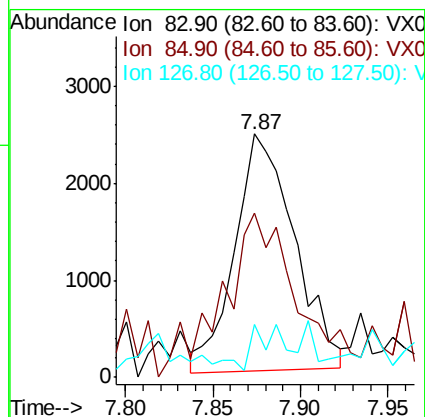
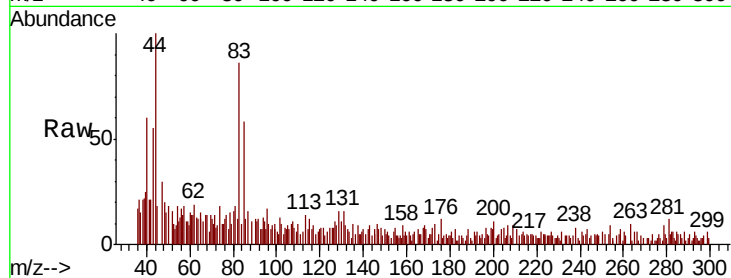
Tot Ion: 83 Resp: 5820

Ion Ratio Lower Upper

83 100

85 66.8 49.7 74.5

127 28.8 6.7 10.1#



#49

1,4-Dioxane

Concen: 1.389 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VX015518.D

Acq: 06 Apr 2020 17:19

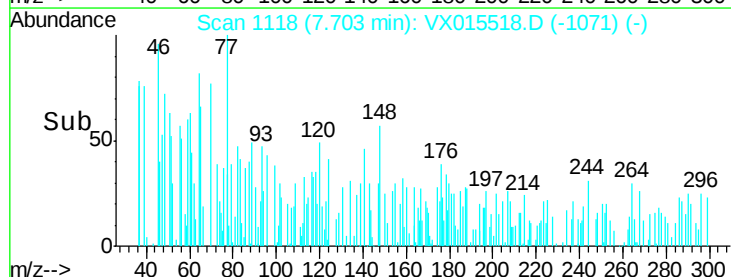
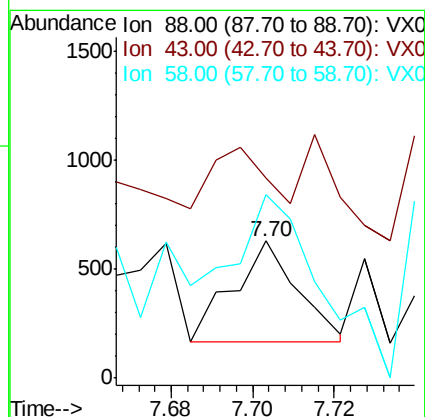
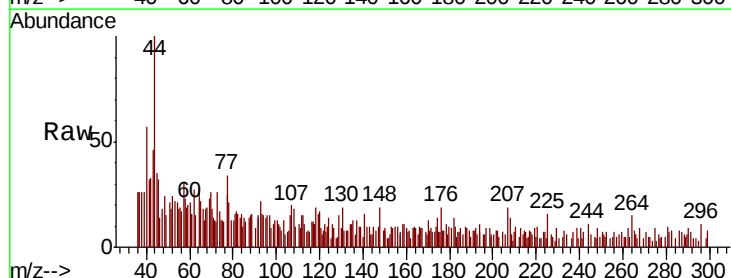
Tgt Ion: 88 Resp: 510

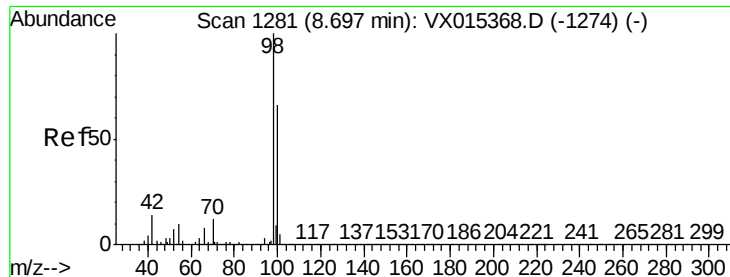
Ion Ratio Lower Upper

88 100

43 48.6 30.1 45.1#

58 224.5 60.6 90.8#





#50

Toluene-d8

Concen: 52.318 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015518.D

Acq: 06 Apr 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

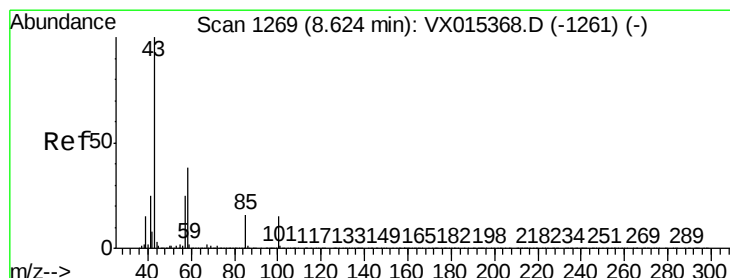
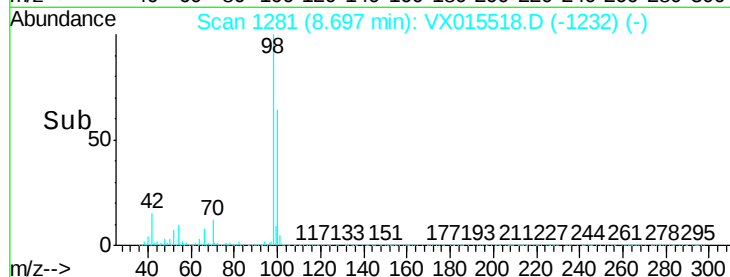
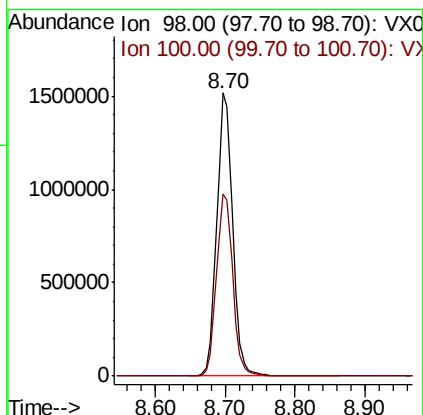
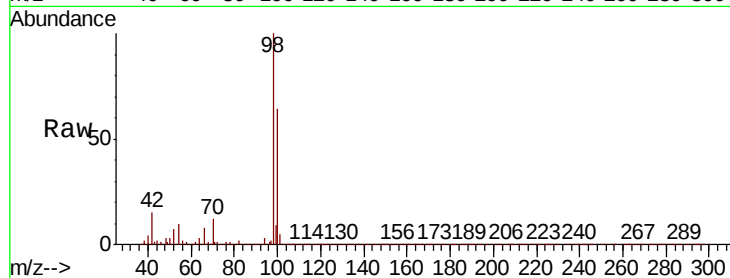
TR-05-040320

Tot Ion: 98 Resp: 2395185

Ion Ratio Lower Upper

98 100

100 65.8 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 0.251 ug/l

RT: 8.62 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX015518.D

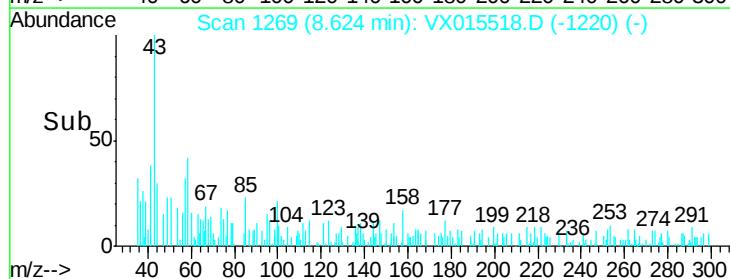
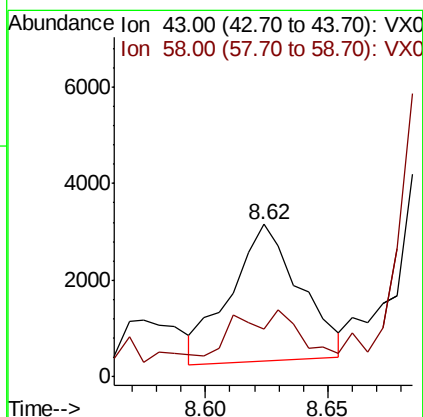
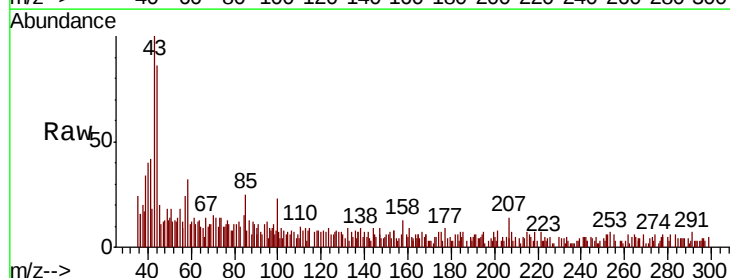
Acq: 06 Apr 2020 17:19

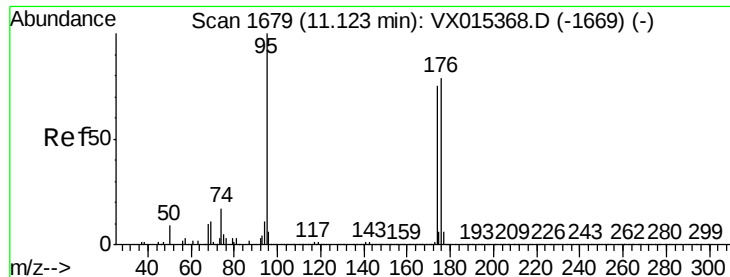
Tgt Ion: 43 Resp: 5611

Ion Ratio Lower Upper

43 100

58 14.9 29.7 44.5#





#62

4-Bromofluorobenzene

Concen: 56.180 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015518.D

Acq: 06 Apr 2020 17:19

Instrument :

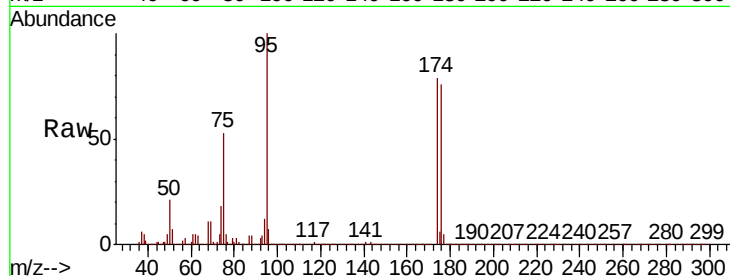
MSVOA_X

ClientSampleId :

TR-05-040320

Tot Ion: 95 Resp: 1045270

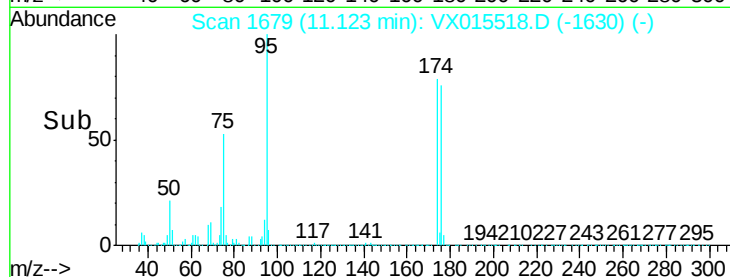
Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	158.6
176	77.8	0.0	159.0



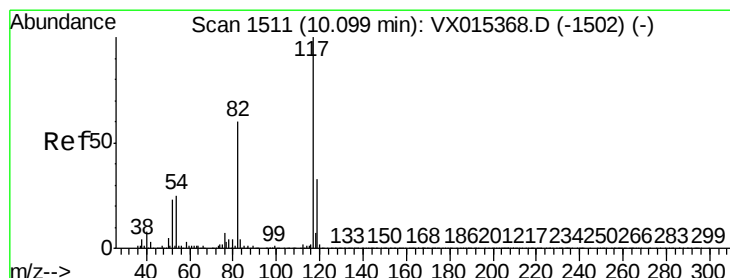
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

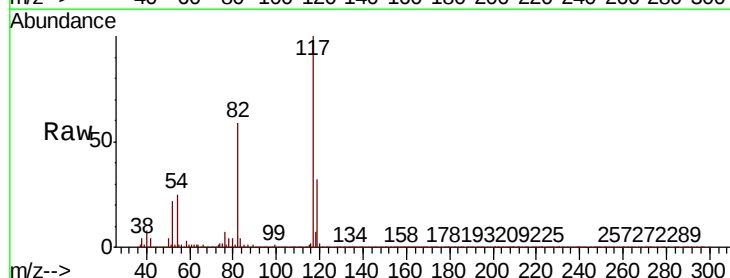
Delta R.T. 0.00 min

Lab File: VX015518.D

Acq: 06 Apr 2020 17:19

Tgt Ion: 117 Resp: 1909206

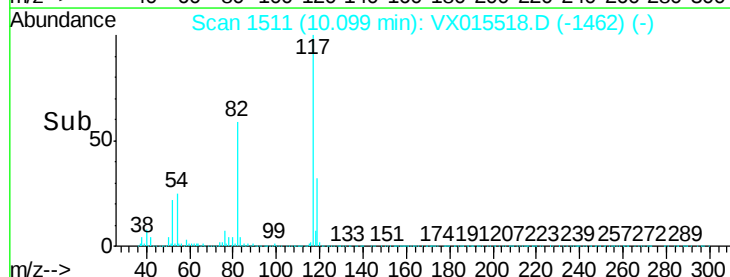
Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.8
119	32.0	26.8	40.2



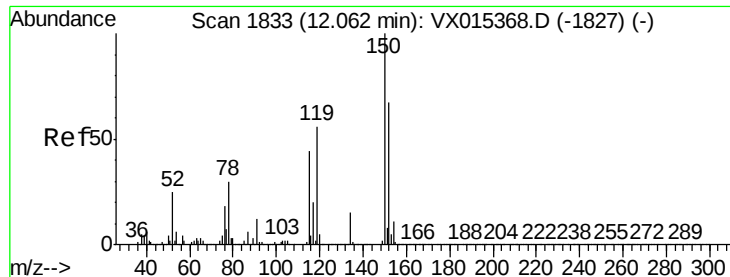
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



Time-->

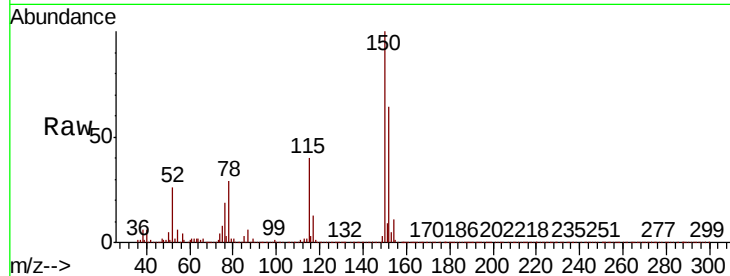


#72

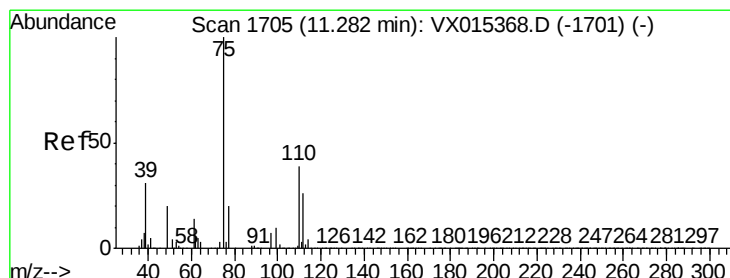
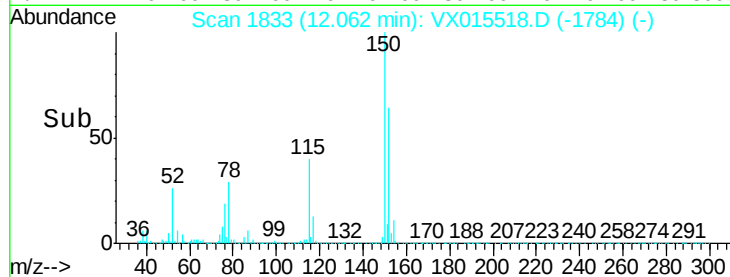
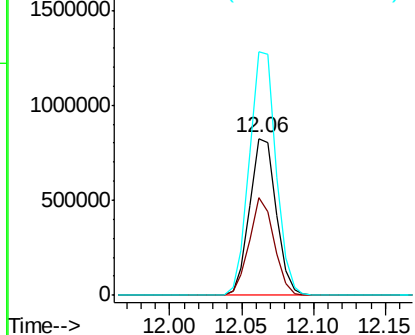
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015518.D
Acq: 06 Apr 2020 17:19

Instrument :
MSVOA_X
ClientSampleId :
TR-05-040320

Tot Ion:152 Resp: 1047690
Ion Ratio Lower Upper
152 100
115 58.5 39.0 116.9
150 156.0 0.0 340.8



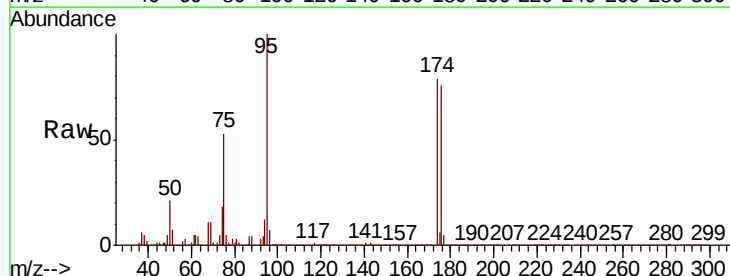
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



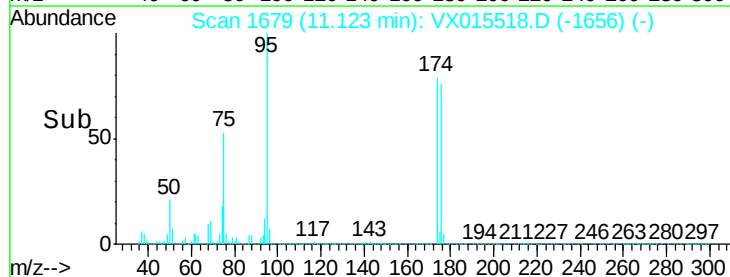
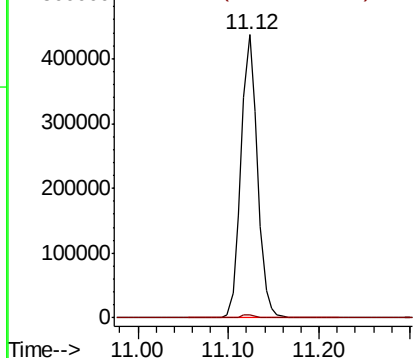
#76

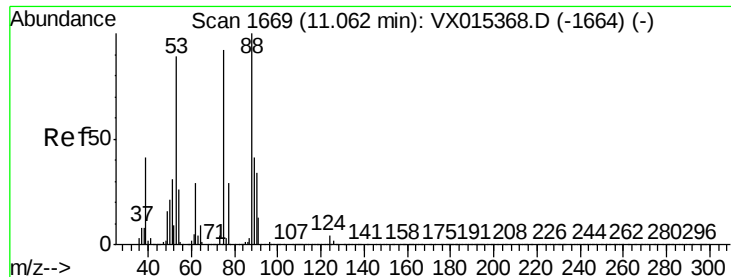
1,2,3-Trichloropropane
Concen: 25.608 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015518.D
Acq: 06 Apr 2020 17:19

Tgt Ion: 75 Resp: 551723
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: 61.445 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015518.D

Acq: 06 Apr 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

TR-05-040320

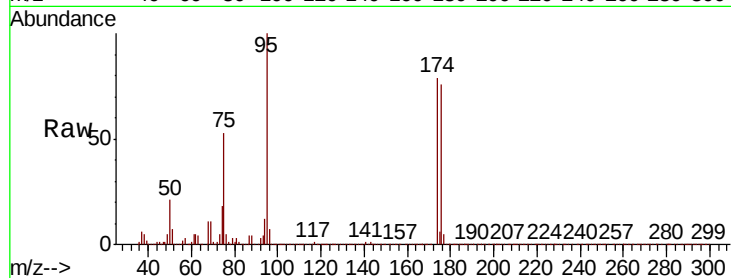
Tot Ion: 75 Resp: 551723

Ion Ratio Lower Upper

75 100

53 0.0 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

