

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX033020\
 Data File : VX015432.D
 Acq On : 30 Mar 2020 16:50
 Operator : JC/SP
 Sample : L2022-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 31 08:53:03 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	5.63	168	1097417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1808363	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1696909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	913237	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	751427	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	5.47	113	567497	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	8.70	98	2169608	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.12	95	942686	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	

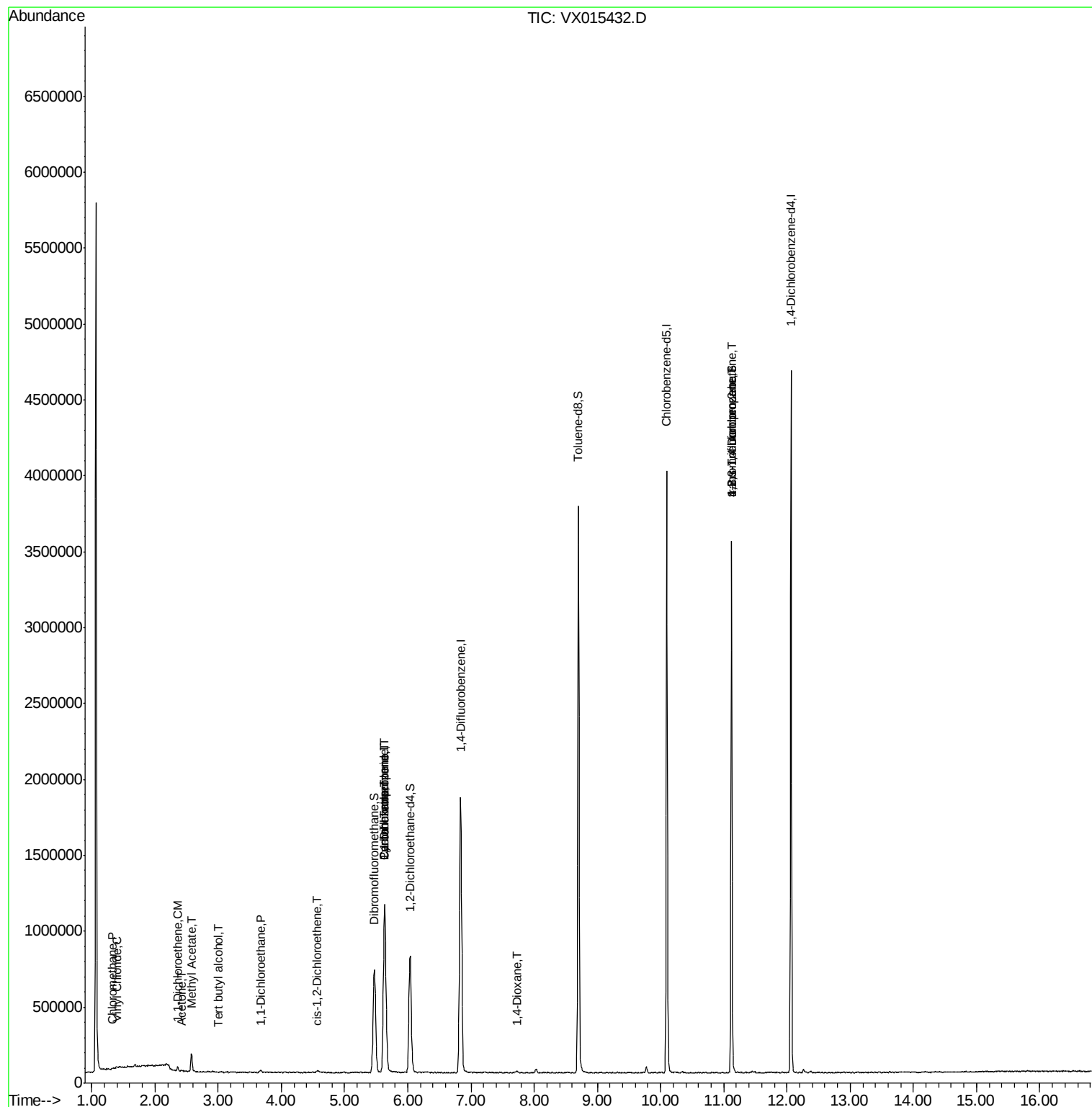
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2755	0.224	ug/l	97
4) Vinyl Chloride	1.39	62	2973	0.263	ug/l #	75
5) Bromomethane	1.62	94	653	Below Cal	#	8
11) Tert butyl alcohol	3.01	59	2057	0.555	ug/l #	73
12) 1,1-Dichloroethene	2.36	96	7371	0.711	ug/l	96
16) Acetone	2.42	43	9831	1.478	ug/l	100
18) Methyl Acetate	2.58	43	28267	1.666	ug/l #	58
24) 1,1-Dichloroethane	3.67	63	17170	0.760	ug/l	94
27) cis-1,2-Dichloroethene	4.57	96	9535	0.717	ug/l	87
31) Cyclohexane	5.64	56	22987	1.173	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	87226	5.235	ug/l #	52
38) Carbon Tetrachloride	5.63	117	106839	5.920	ug/l #	14
49) 1,4-Dioxane	7.72	88	9074	26.590	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	479292	25.521	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	479292	61.238	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: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015432.D

Acq: 30 Mar 2020 16:50

Instrument :

MSVOA_X

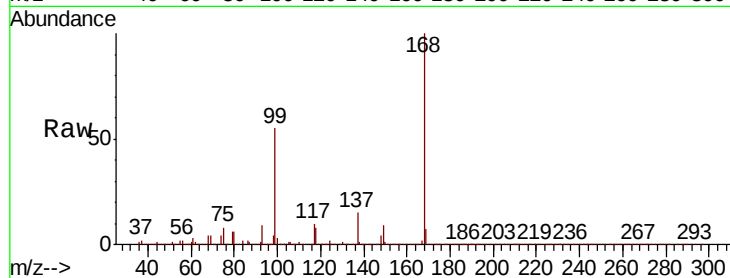
ClientSampleId :

Tot Ion:168 Resp: 1097417

Ion Ratio Lower Upper

168 100

99 54.7 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

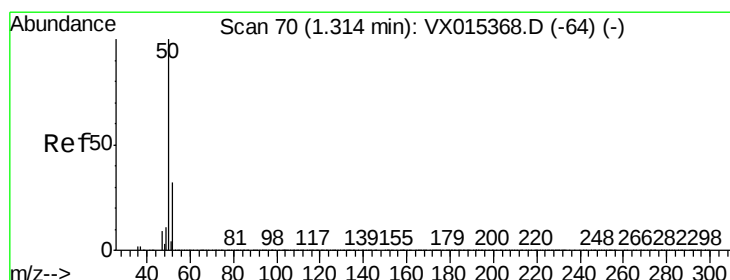
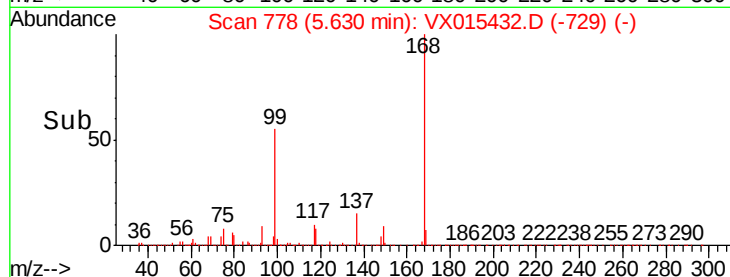
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.224 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015432.D

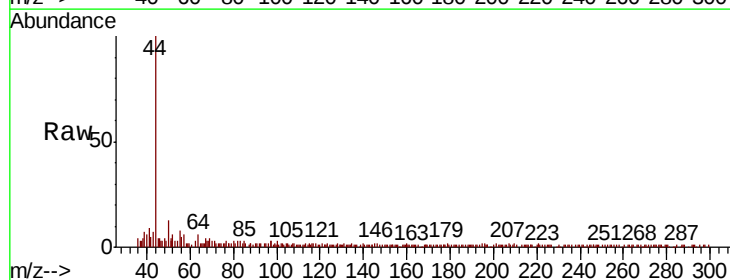
Acq: 30 Mar 2020 16:50

Tgt Ion: 50 Resp: 2755

Ion Ratio Lower Upper

50 100

52 33.5 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2500

2000

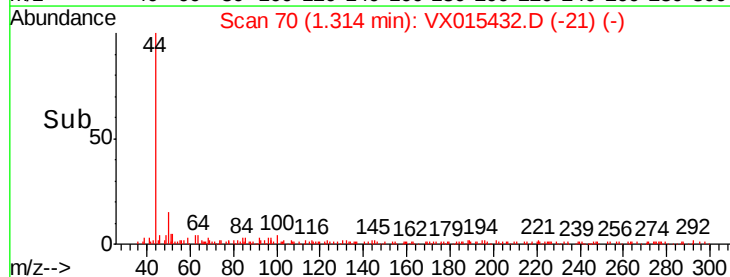
1500

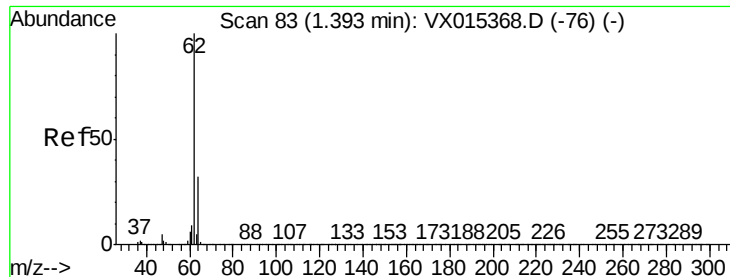
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 0.263 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX015432.D

Acq: 30 Mar 2020 16:50

Instrument :

MSVOA_X

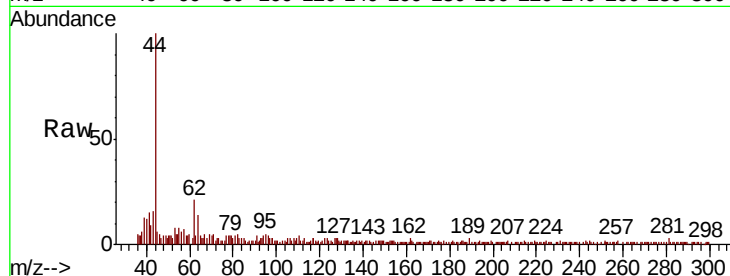
ClientSampleId :

Tot Ion: 62 Resp: 2973

Ion Ratio Lower Upper

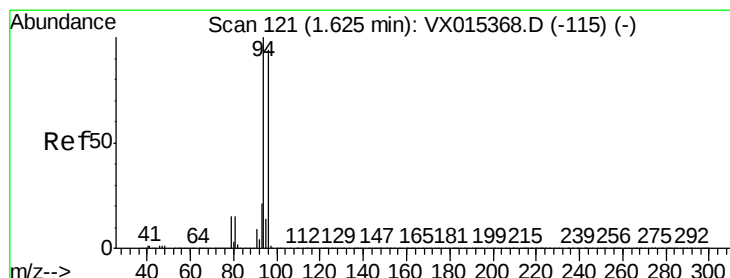
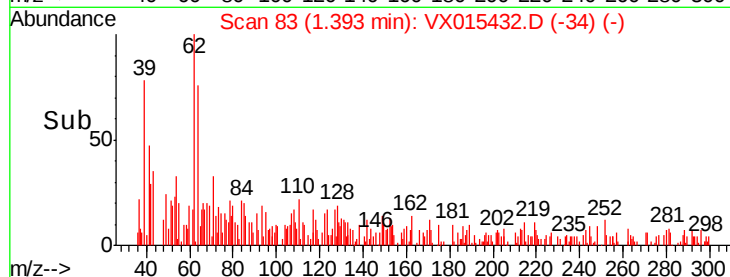
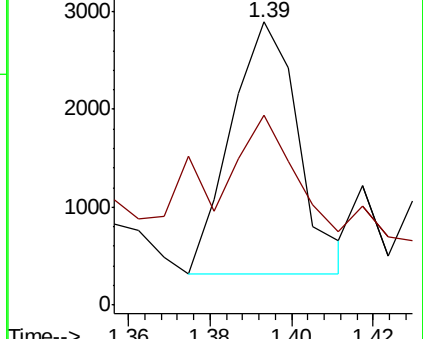
62 100

64 46.3 26.0 39.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX015432.D

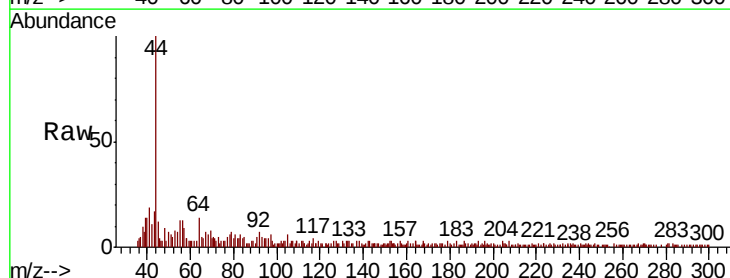
Acq: 30 Mar 2020 16:50

Tgt Ion: 94 Resp: 653

Ion Ratio Lower Upper

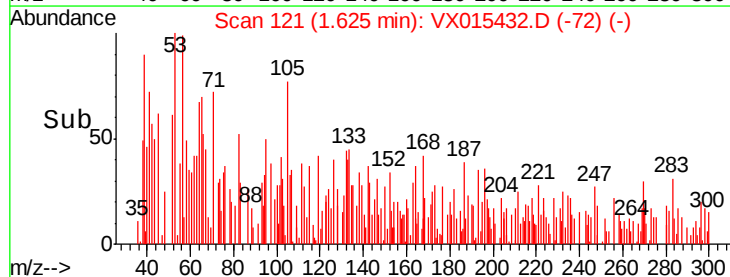
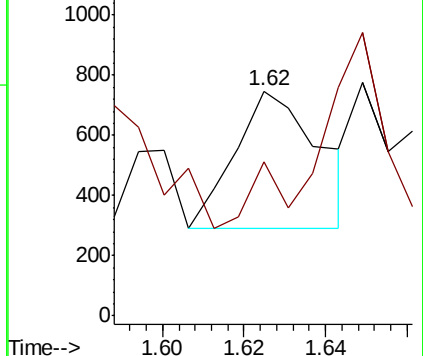
94 100

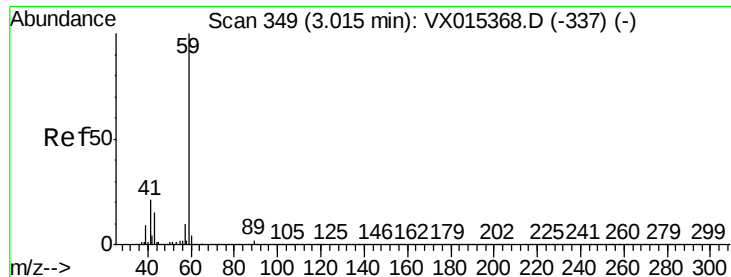
96 4.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

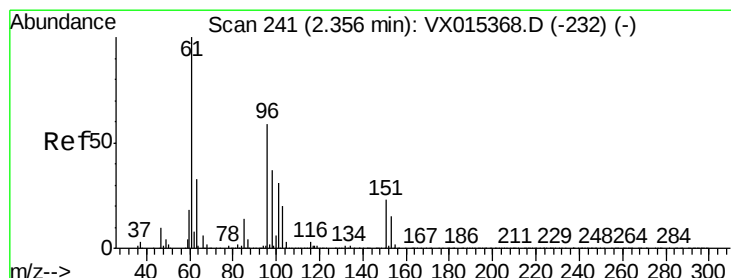
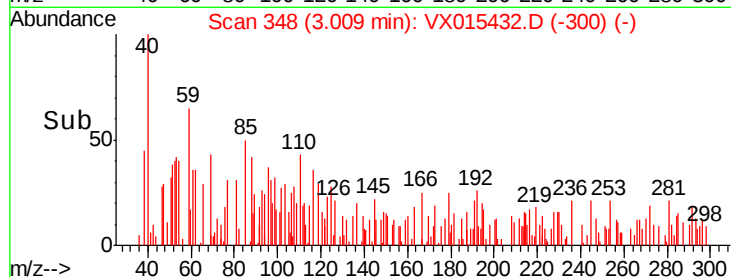
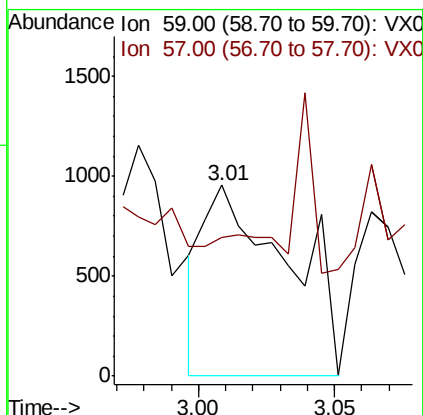
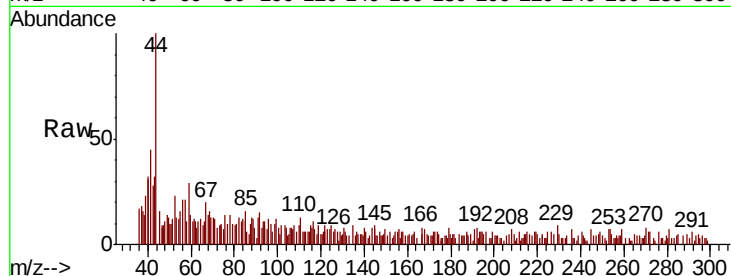




#11
Tert butyl alcohol
Concen: 0.555 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015432.D
Acq: 30 Mar 2020 16:50

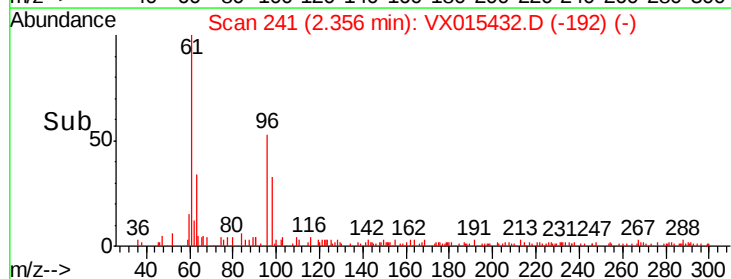
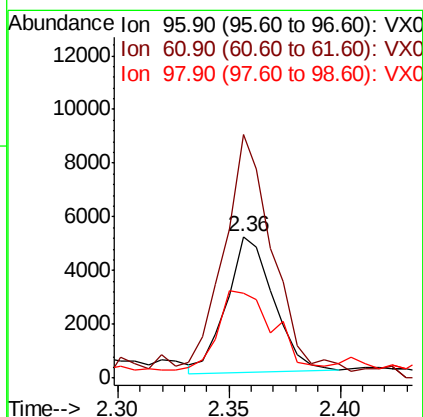
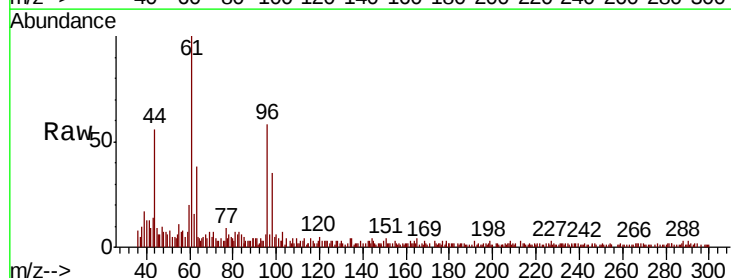
Instrument :
MSVOA_X
ClientSampled :

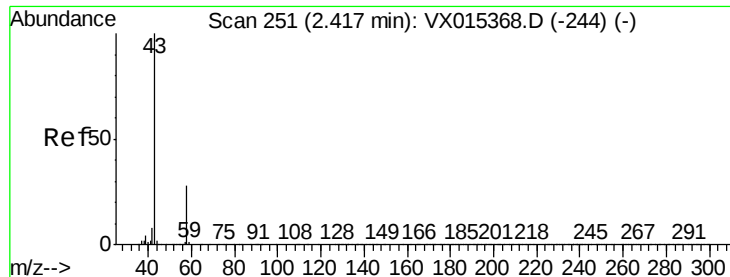
Tot Ion: 59 Resp: 2057
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 0.711 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX015432.D
Acq: 30 Mar 2020 16:50

Tgt Ion: 96 Resp: 7371
Ion Ratio Lower Upper
96 100
61 172.0 135.7 203.5
98 55.0 50.6 75.8

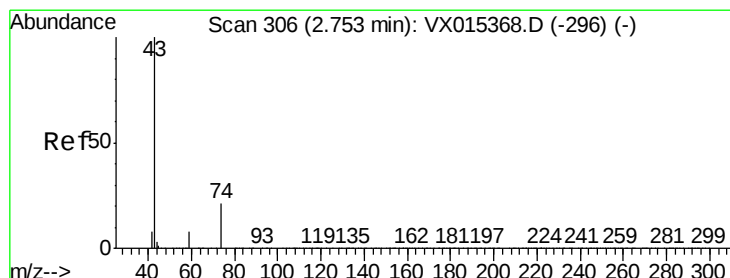
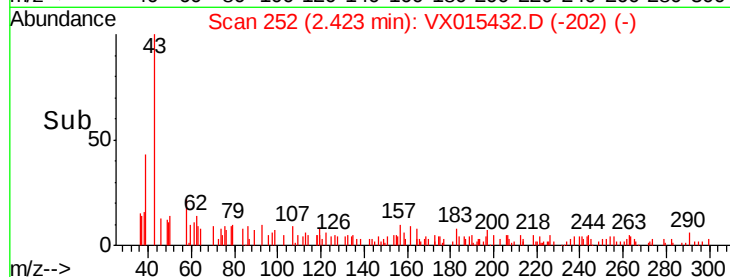
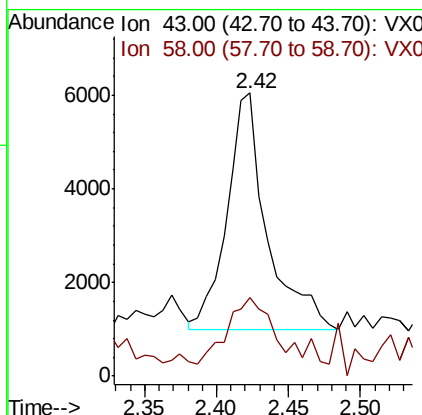
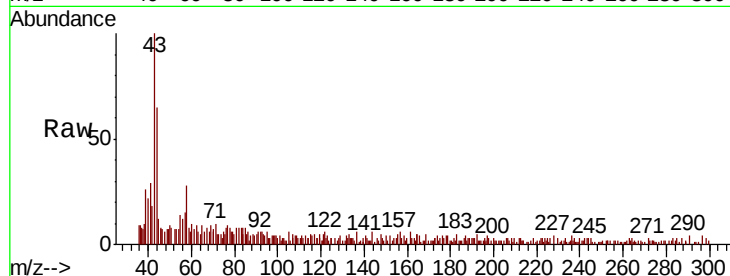




#16
Acetone
Concen: 1.478 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015432.D
Acq: 30 Mar 2020 16:50

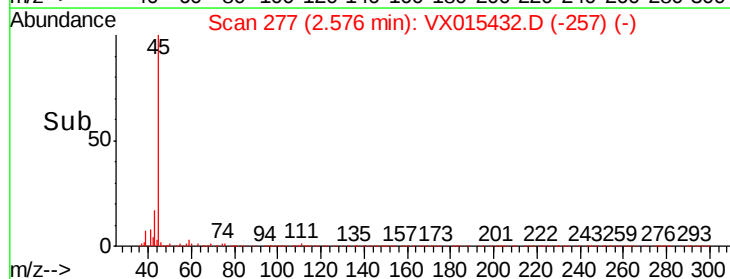
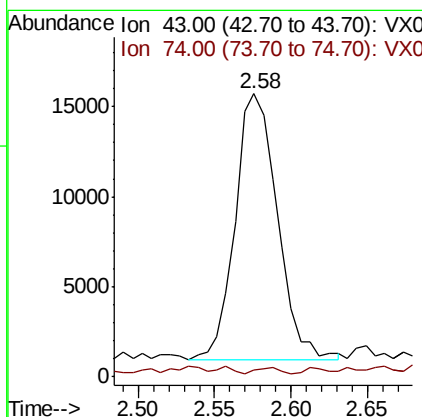
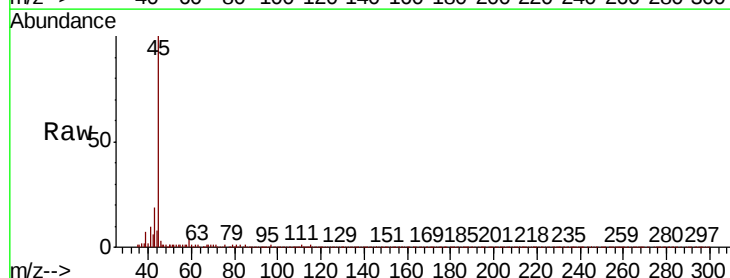
Instrument :
MSVOA_X
ClientSampleId :

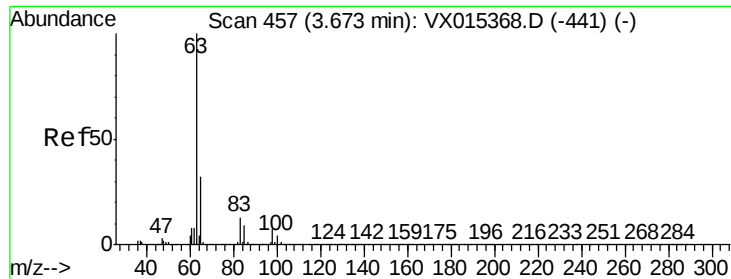
Tot Ion: 43 Resp: 9831
Ion Ratio Lower Upper
43 100
58 27.6 22.1 33.1



#18
Methyl Acetate
Concen: 1.666 ug/l
RT: 2.58 min Scan# 277
Delta R.T. -0.18 min
Lab File: VX015432.D
Acq: 30 Mar 2020 16:50

Tgt Ion: 43 Resp: 28267
Ion Ratio Lower Upper
43 100
74 1.2 16.5 24.7#





#24

1,1-Dichloroethane

Concen: 0.760 ug/l

RT: 3.67 min Scan# 457

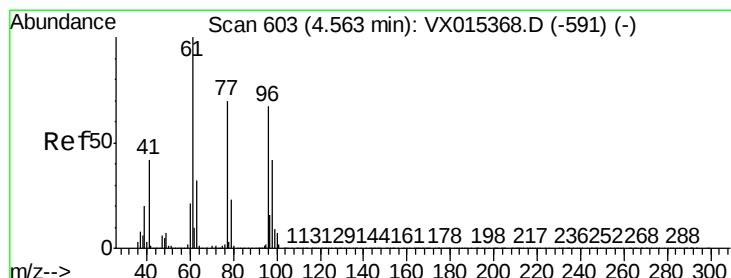
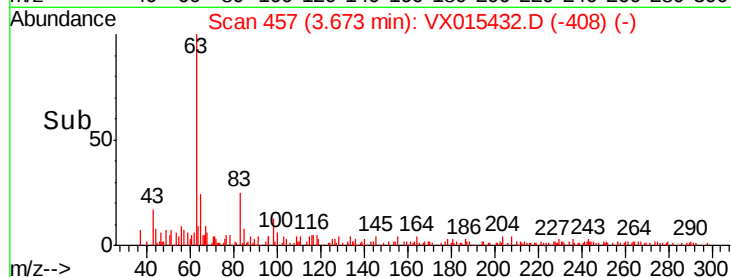
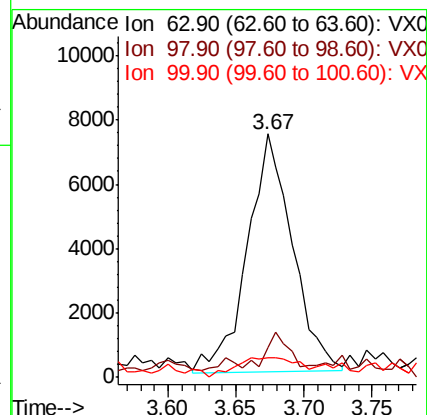
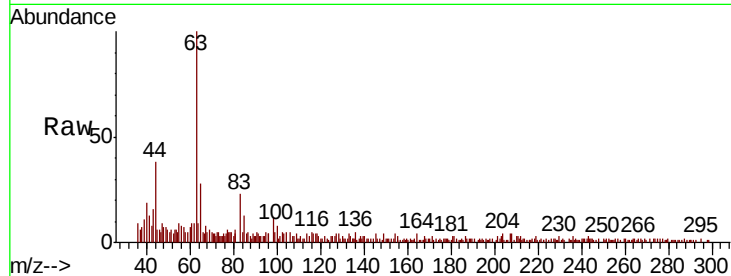
Delta R.T. -0.00 min

Lab File: VX015432.D

Acq: 30 Mar 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	63	Resp:	17170
Ion	Ratio	Lower	Upper
63	100		
98	9.4	3.3	9.8
100	5.0	2.1	6.5



#27

cis-1,2-Dichloroethene

Concen: 0.717 ug/l

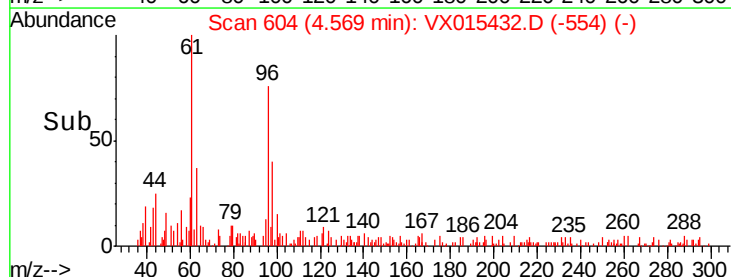
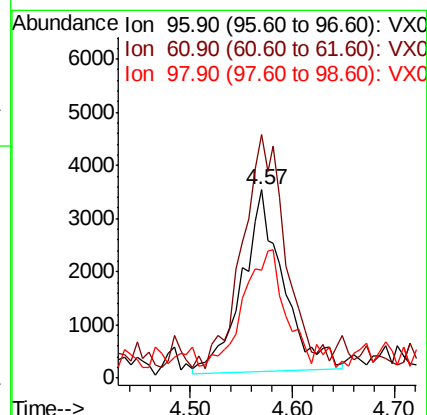
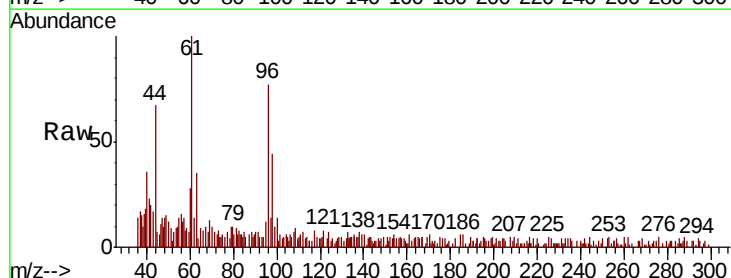
RT: 4.57 min Scan# 604

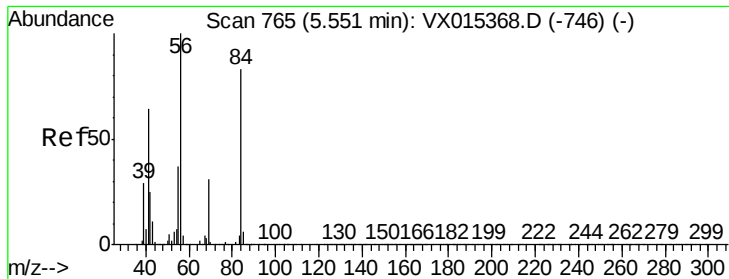
Delta R.T. 0.01 min

Lab File: VX015432.D

Acq: 30 Mar 2020 16:50

Tgt Ion:	96	Resp:	9535
Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	308.4
98	63.0	0.0	129.2

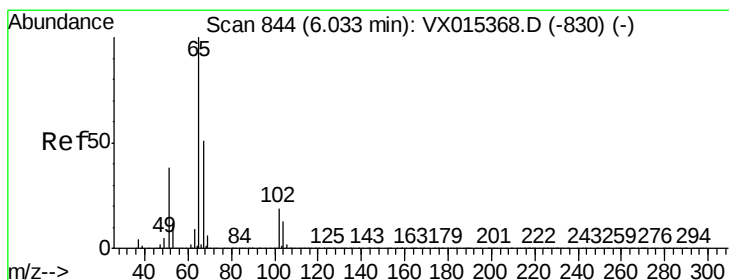
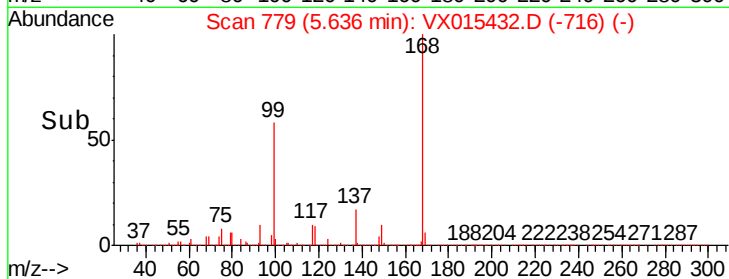
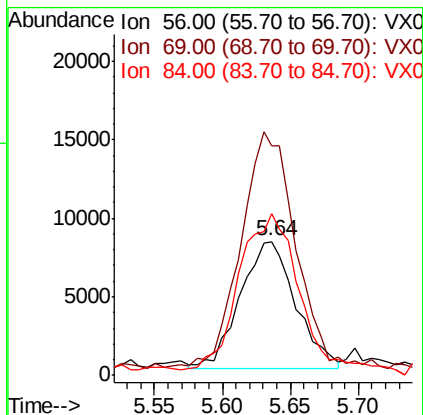
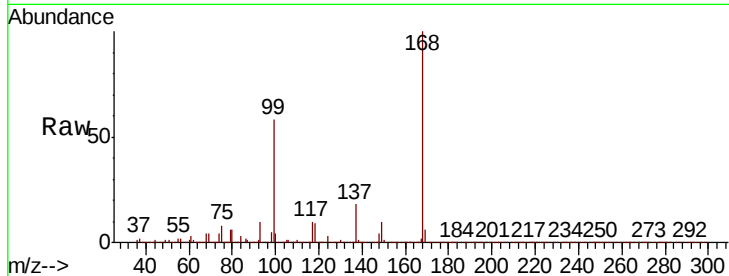




#31
Cyclohexane
Concen: 1.173 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.09 min
Lab File: VX015432.D
Acq: 30 Mar 2020 16:50

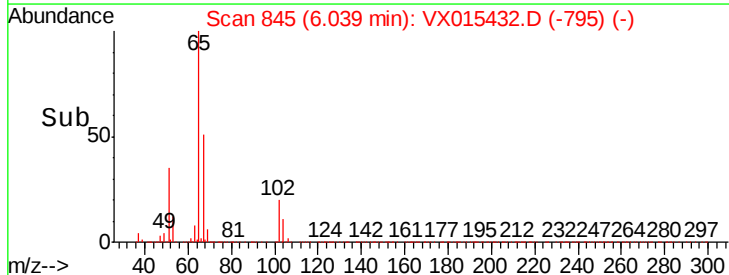
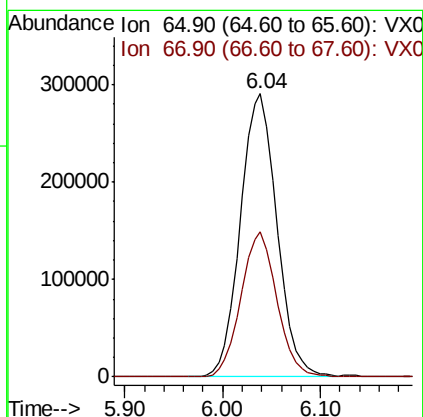
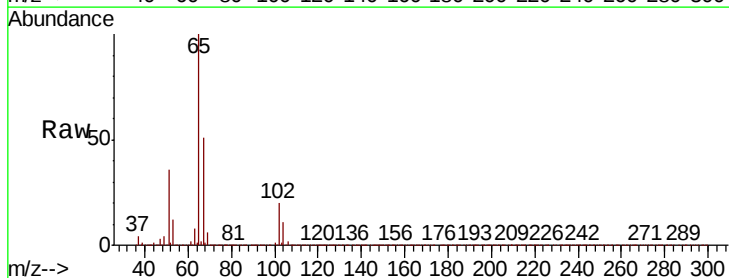
Instrument :
MSVOA_X
ClientSampled :

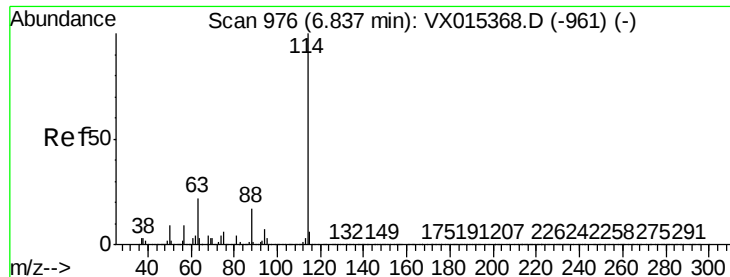
Tot Ion: 56 Resp: 22987
Ion Ratio Lower Upper
56 100
69 178.7 24.6 36.8#
84 120.3 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 48.549 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015432.D
Acq: 30 Mar 2020 16:50

Tgt Ion: 65 Resp: 751427
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: VX015432.D

Acq: 30 Mar 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

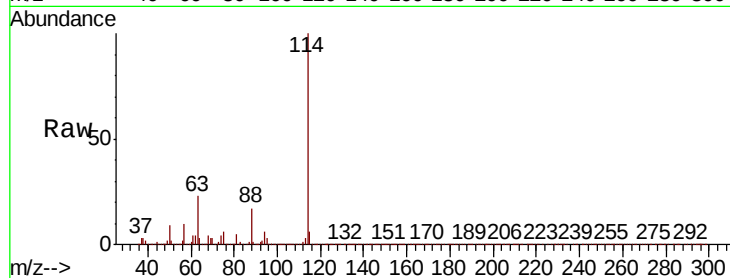
Tot Ion:114 Resp: 1808363

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.2

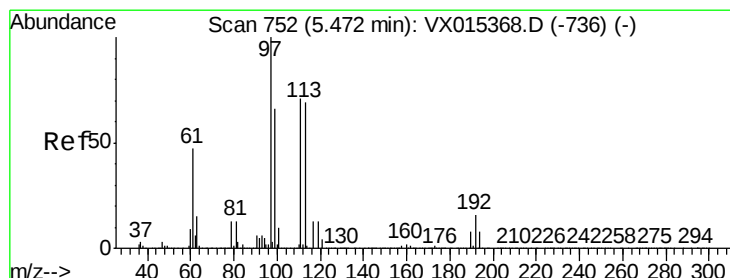
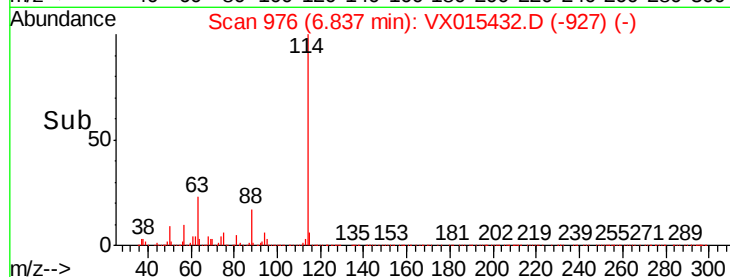
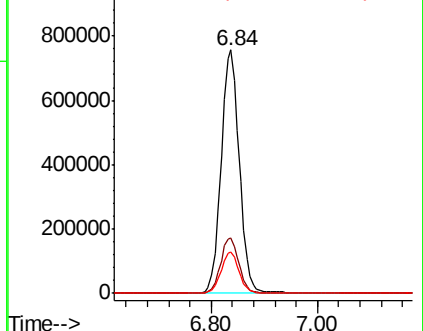
88 16.9 0.0 33.8



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: 49.093 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015432.D

Acq: 30 Mar 2020 16:50

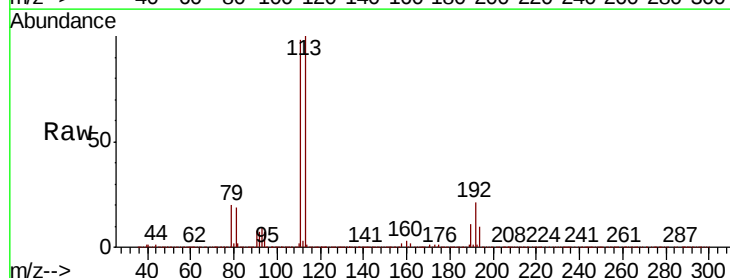
Tgt Ion:113 Resp: 567497

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

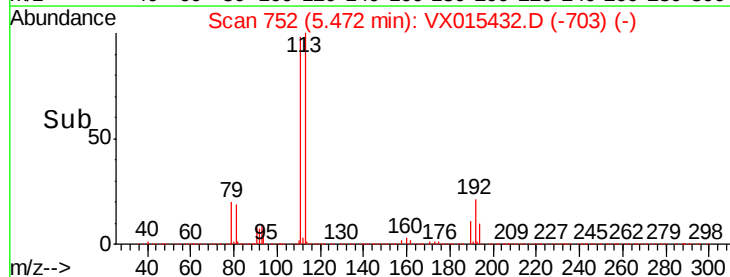
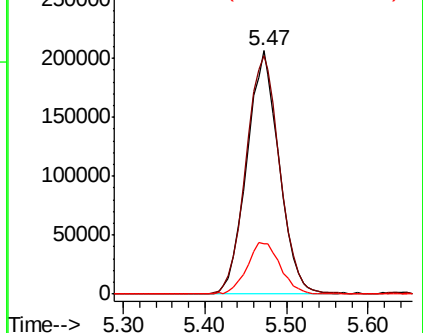
192 22.0 17.8 26.6

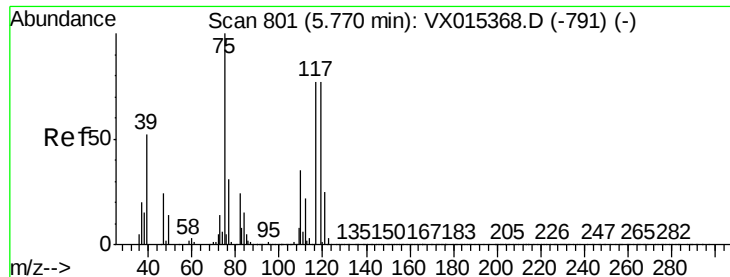


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.235 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015432.D

Acq: 30 Mar 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

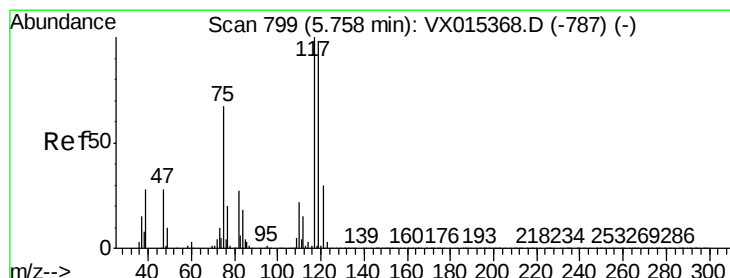
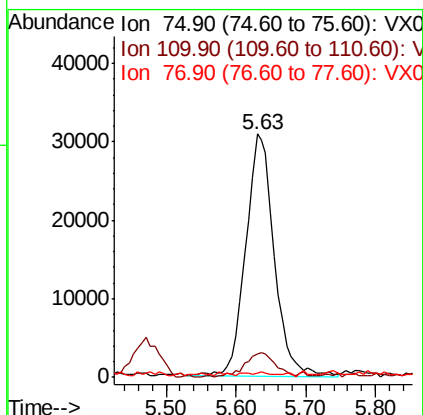
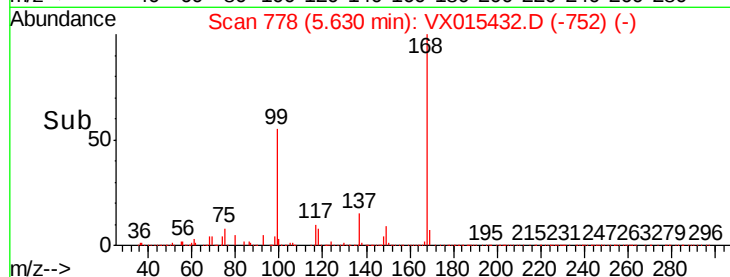
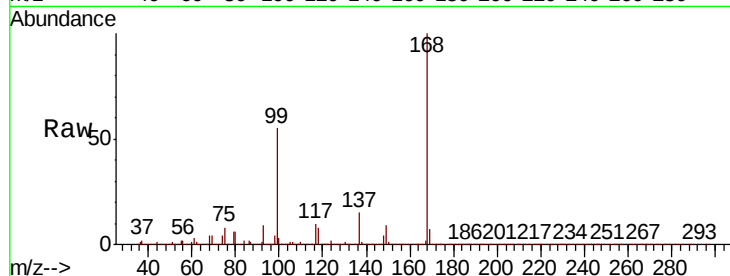
Tot Ion: 75 Resp: 87226

Ion Ratio Lower Upper

75 100

110 10.9 17.1 51.3#

77 0.4 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.920 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015432.D

Acq: 30 Mar 2020 16:50

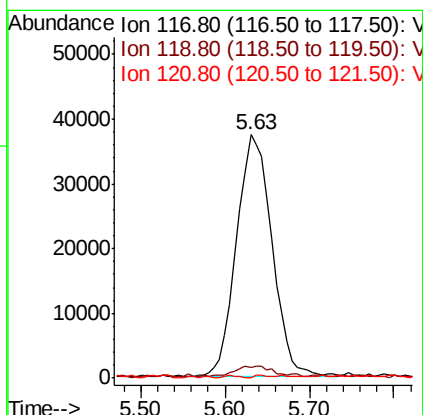
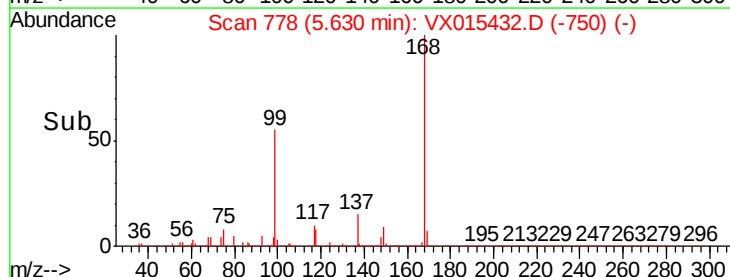
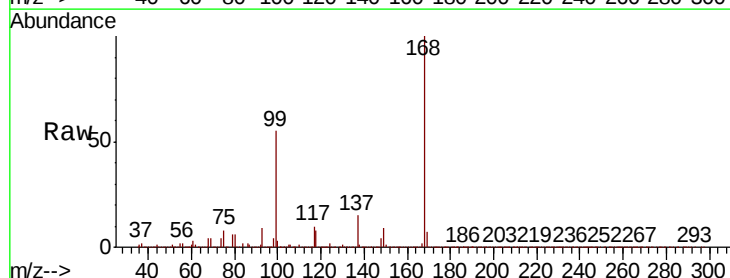
Tgt Ion: 117 Resp: 106839

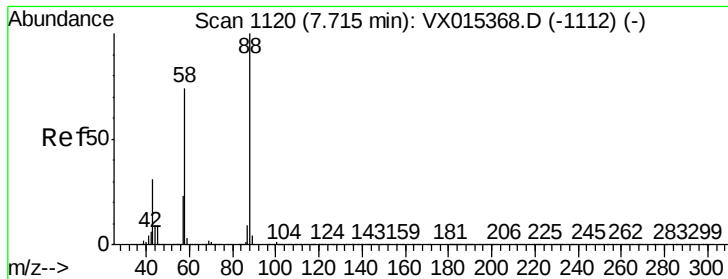
Ion Ratio Lower Upper

117 100

119 3.8 78.0 117.0#

121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 26.590 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015432.D

Acq: 30 Mar 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :

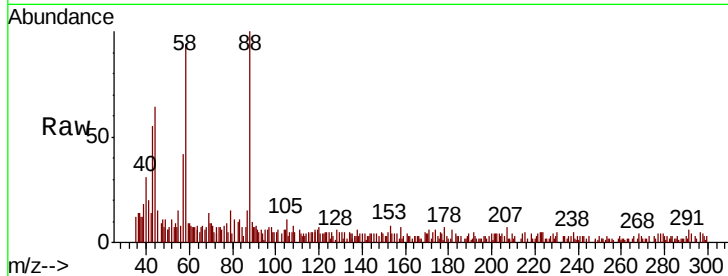
Tot Ion: 88 Resp: 9074

Ion Ratio Lower Upper

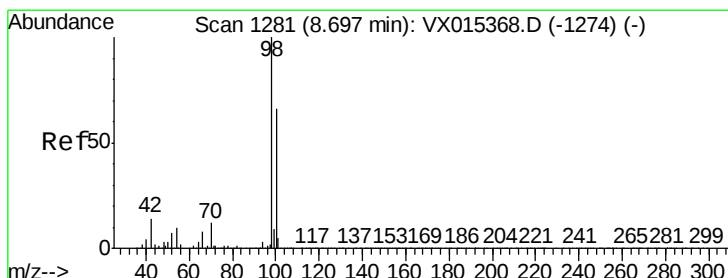
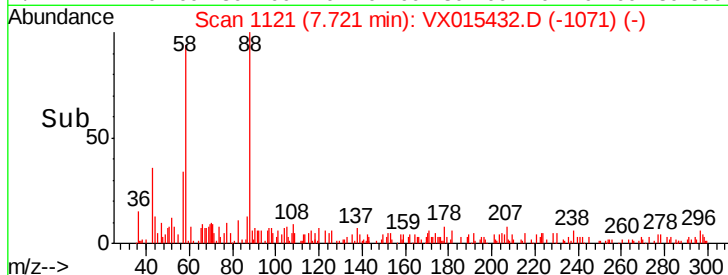
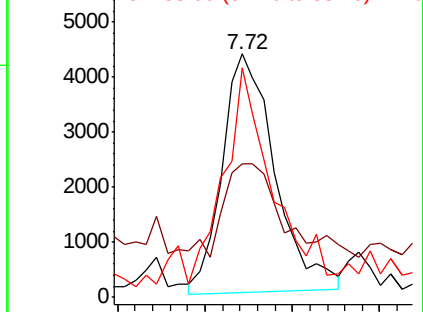
88 100

43 36.3 30.1 45.1

58 83.2 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: 50.979 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015432.D

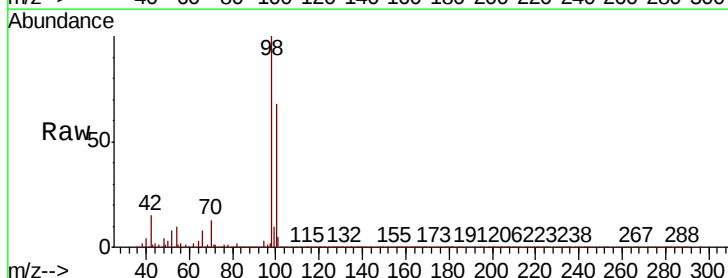
Acq: 30 Mar 2020 16:50

Tgt Ion: 98 Resp: 2169608

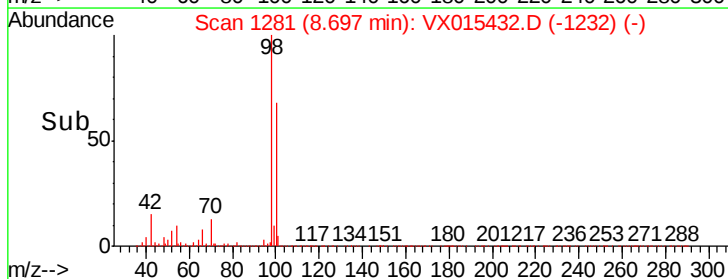
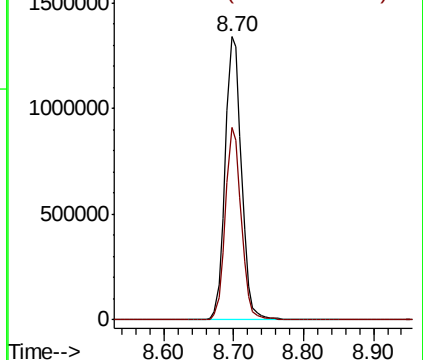
Ion Ratio Lower Upper

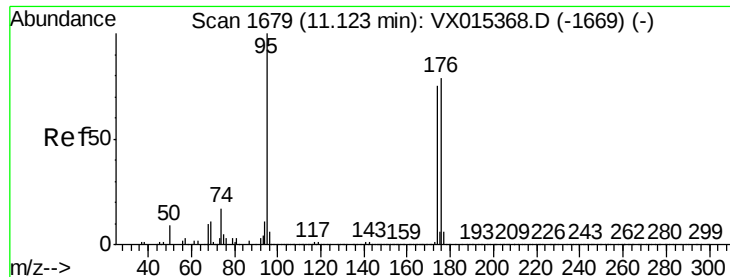
98 100

100 66.3 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

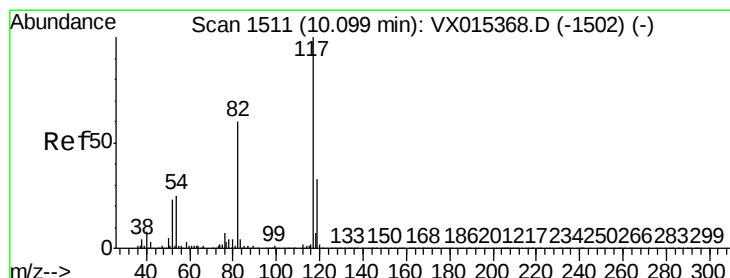
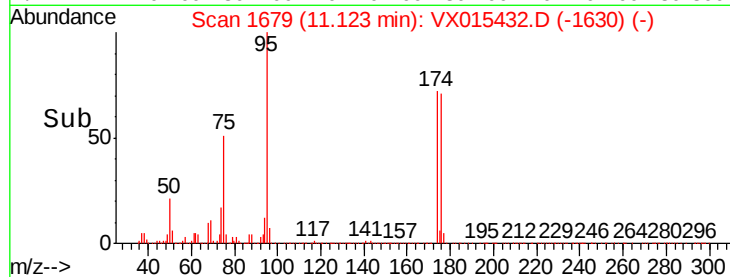
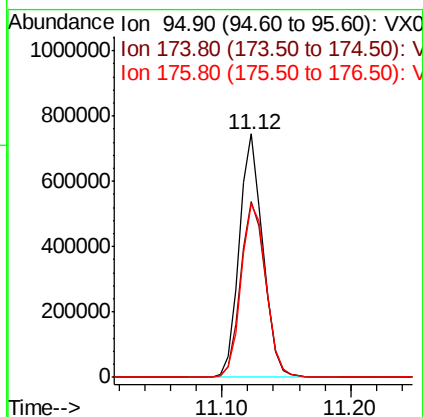
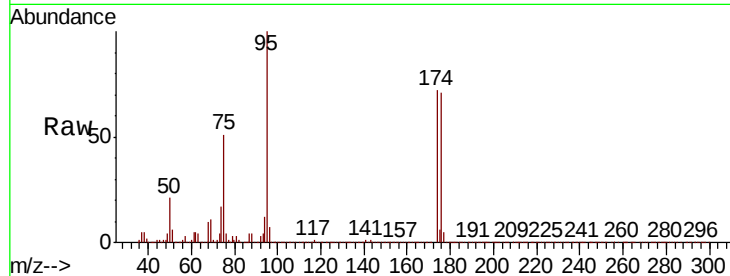




#62
4-Bromofluorobenzene
Concen: 54.503 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015432.D
Acq: 30 Mar 2020 16:50

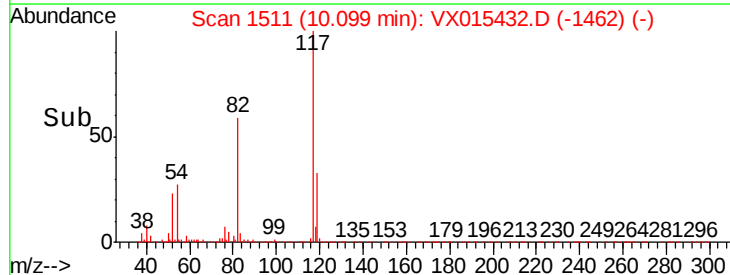
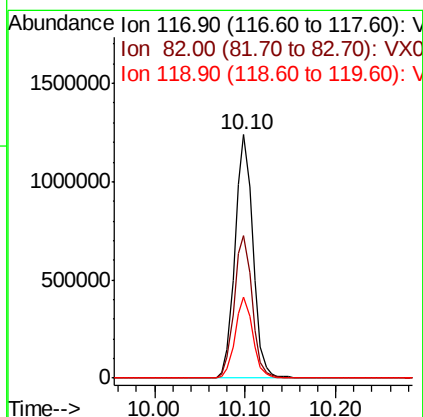
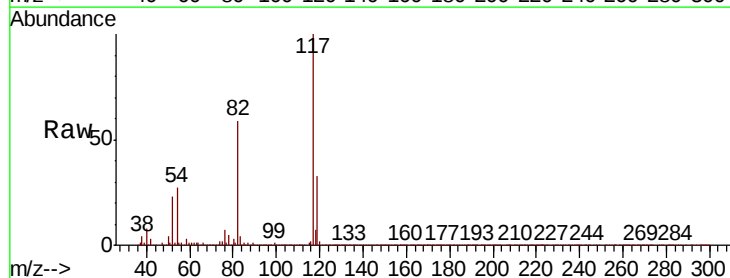
Instrument :
MSVOA_X
ClientSampleId :

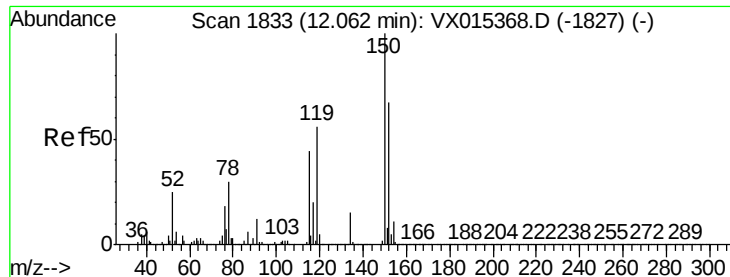
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	158.6
176	75.0	0.0	159.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015432.D
Acq: 30 Mar 2020 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.8
119	33.2	26.8	40.2



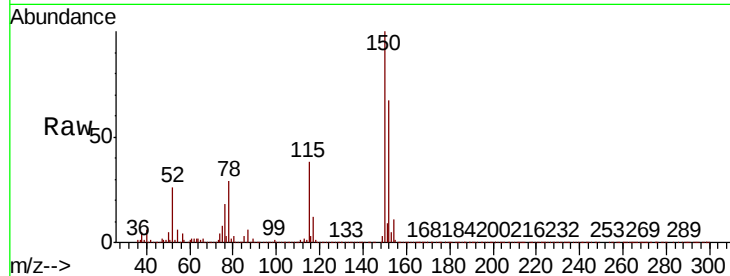


#72

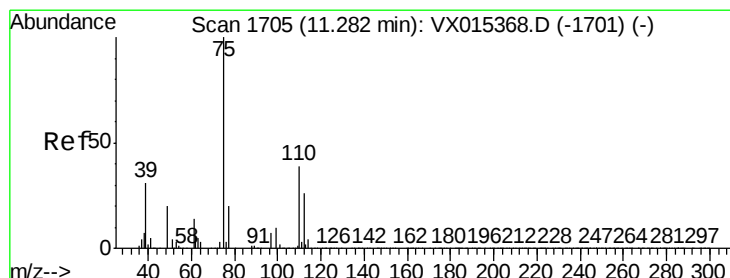
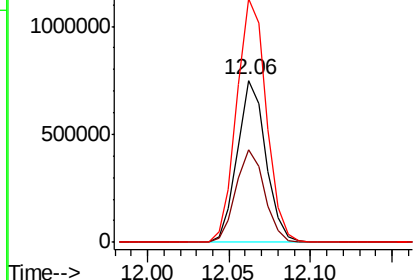
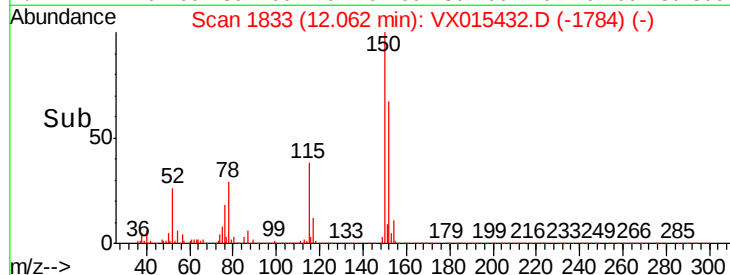
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015432.D
Acq: 30 Mar 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.9	39.0	116.9
150	156.3	0.0	340.8



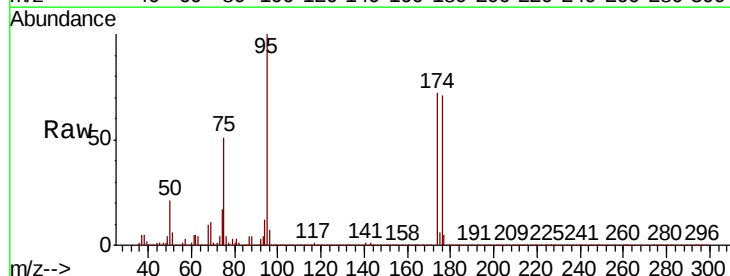
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



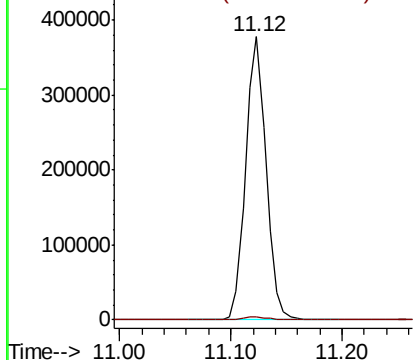
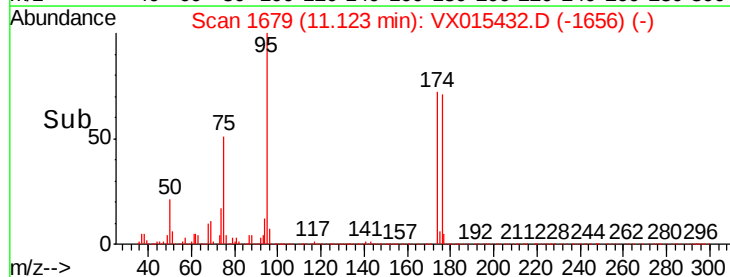
#76

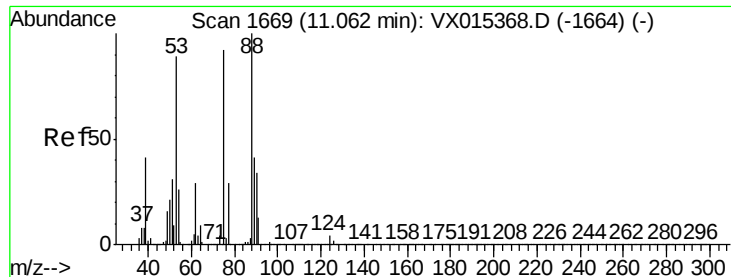
1,2,3-Trichloropropane
Concen: 25.521 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015432.D
Acq: 30 Mar 2020 16:50

Tgt 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: 61.238 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015432.D
 Acq: 30 Mar 2020 16:50

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 479292
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.1 36.1 54.1#

