

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041720\
 Data File : VX015746.D
 Acq On : 17 Apr 2020 18:17
 Operator : JC/SP
 Sample : L2314-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 01:17:41 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	1033383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1612566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1560113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	859007	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	622999	42.75	ug/l	0.00
Spiked Amount			Recovery	=	85.50%	
35) Dibromofluoromethane	5.47	113	484921	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
50) Toluene-d8	8.70	98	1932216	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.12	95	803362	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	

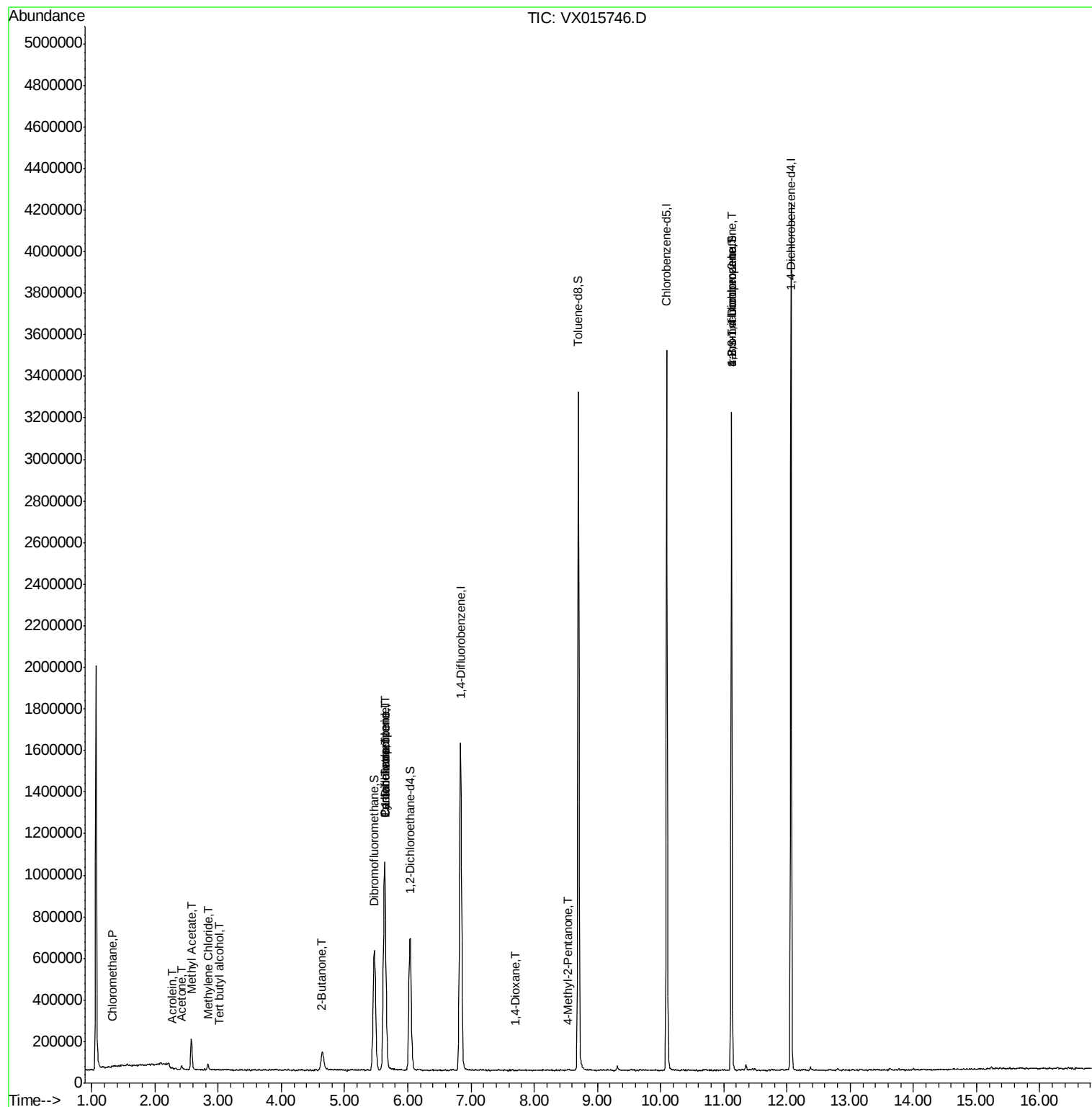
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3796	0.327	ug/l #	74
5) Bromomethane	1.65	94	1173	Below Cal	#	39
11) Tert butyl alcohol	3.01	59	1827	0.524	ug/l #	55
13) Acrolein	2.27	56	1146	0.577	ug/l #	33
16) Acetone	2.42	43	20348	3.250	ug/l	94
18) Methyl Acetate	2.58	43	35987	2.252	ug/l #	60
20) Methylene Chloride	2.84	84	14455	1.236	ug/l	93
25) 2-Butanone	4.63	43	3195	0.317	ug/l #	52
31) Cyclohexane	5.63	56	19292	1.046	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	71220	4.793	ug/l #	53
38) Carbon Tetrachloride	5.63	117	91400	5.680	ug/l #	15
49) 1,4-Dioxane	7.71	88	467	1.535	ug/l #	1
51) 4-Methyl-2-Pentanone	8.54	43	3764	0.203	ug/l	92
76) 1,2,3-Trichloropropane	11.12	75	405213	22.939	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	405213	55.041	ug/l #	10

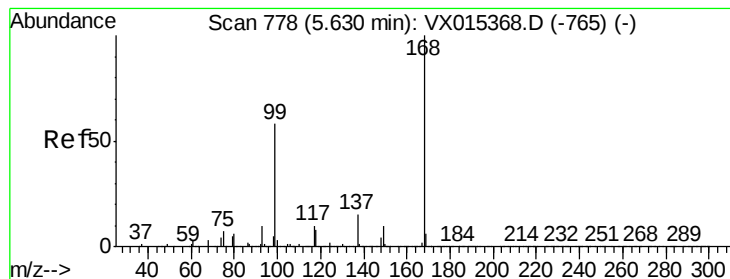
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015746.D

Acq: 17 Apr 2020 18:17

Instrument :

MSVOA_X

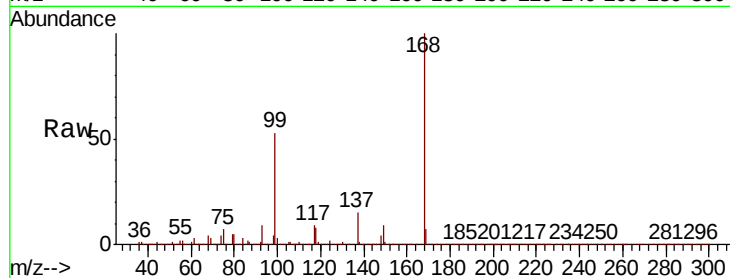
ClientSampleId :

Tot Ion:168 Resp: 1033383

Ion Ratio Lower Upper

168 100

99 53.3 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

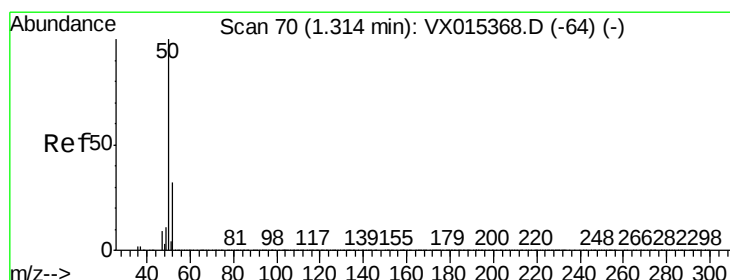
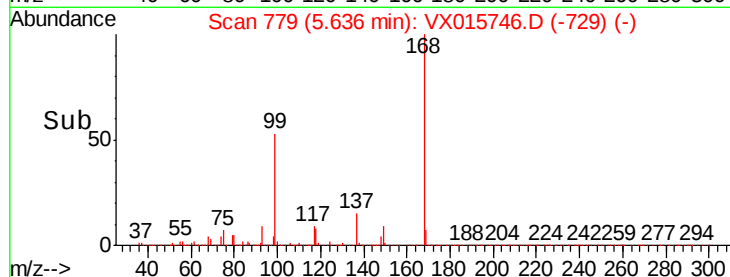
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.327 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015746.D

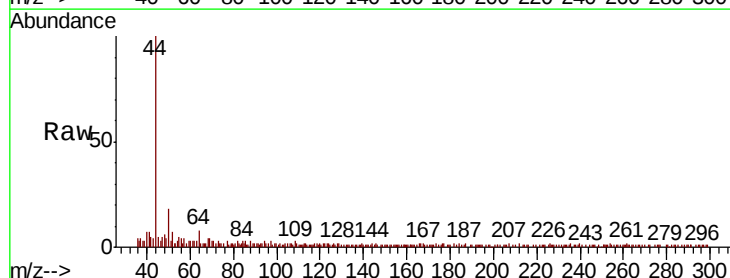
Acq: 17 Apr 2020 18:17

Tgt Ion: 50 Resp: 3796

Ion Ratio Lower Upper

50 100

52 17.3 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

3000

2500

2000

1500

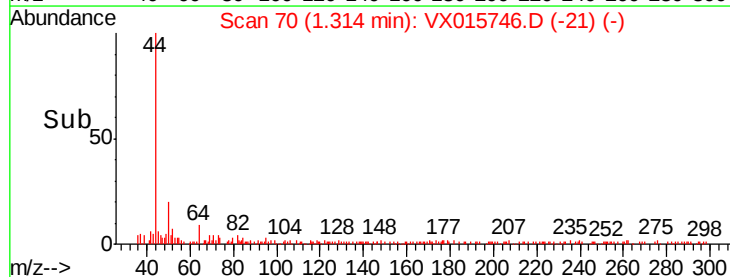
1000

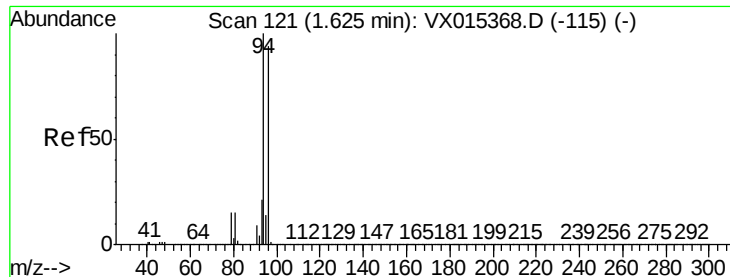
500

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 125

Delta R.T. 0.03 min

Lab File: VX015746.D

Acq: 17 Apr 2020 18:17

Instrument :

MSVOA_X

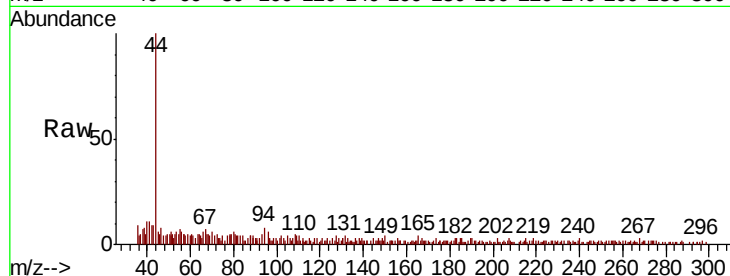
ClientSampleId :

Tot Ion: 94 Resp: 1173

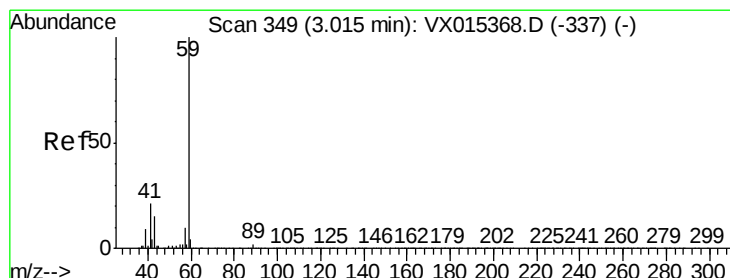
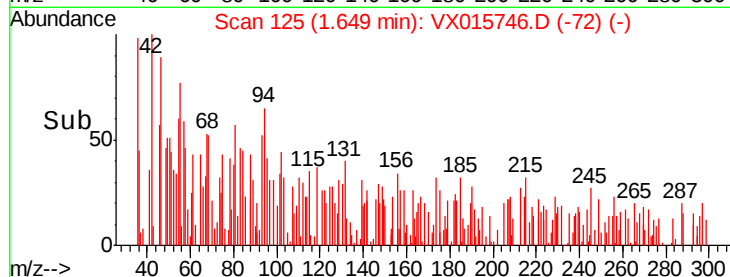
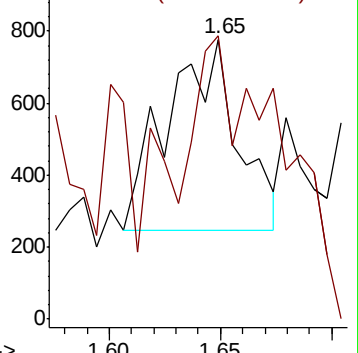
Ion Ratio Lower Upper

94 100

96 35.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#11

Tert butyl alcohol

Concen: 0.524 ug/l

RT: 3.01 min Scan# 349

Delta R.T. 0.00 min

Lab File: VX015746.D

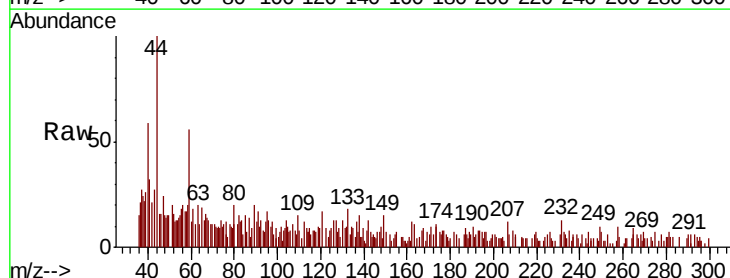
Acq: 17 Apr 2020 18:17

Tgt Ion: 59 Resp: 1827

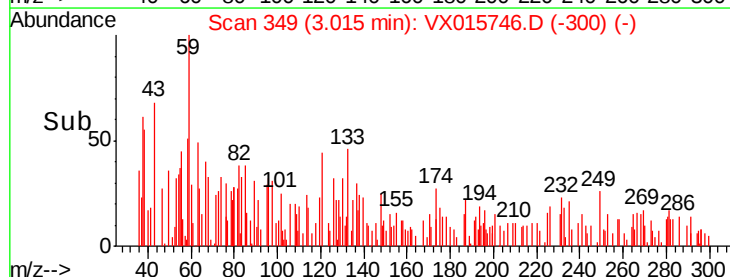
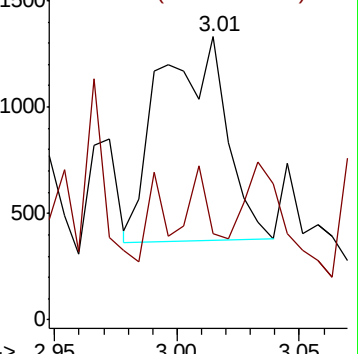
Ion Ratio Lower Upper

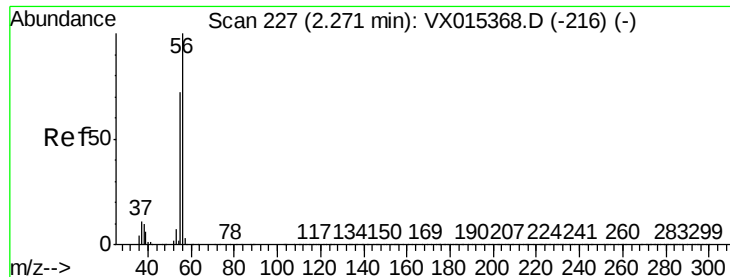
59 100

57 26.8 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

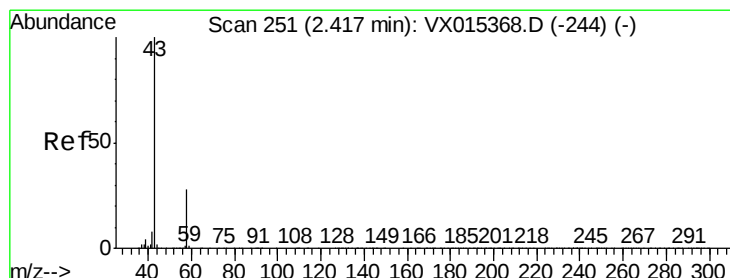
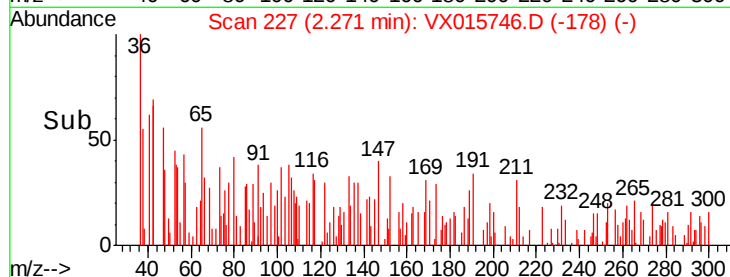
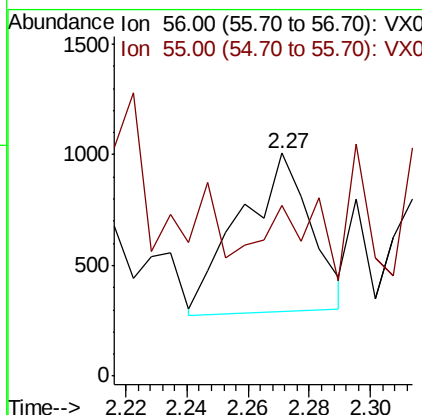
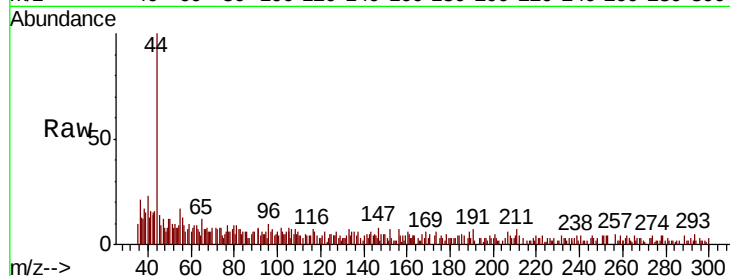




#13
Acrolein
Concen: 0.577 ug/l
RT: 2.27 min Scan# 227
Delta R.T. 0.00 min
Lab File: VX015746.D
Acq: 17 Apr 2020 18:17

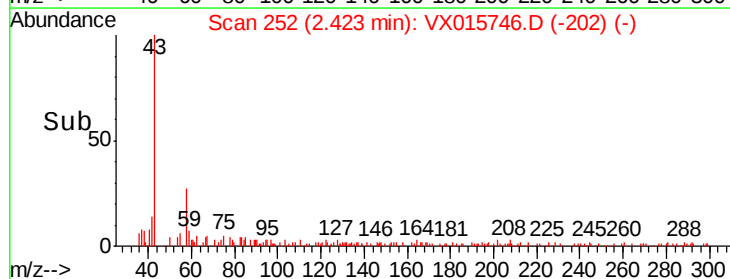
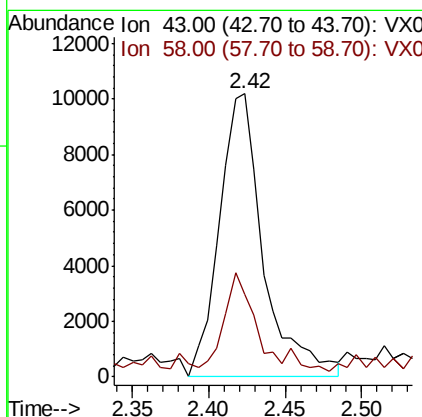
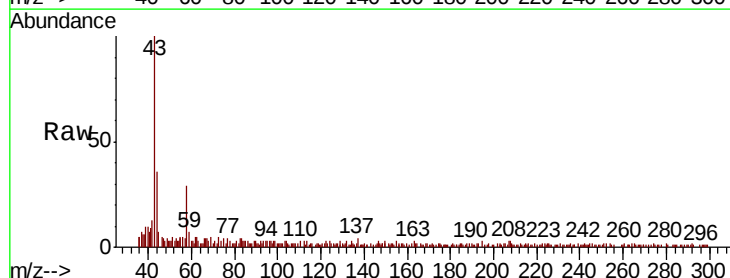
Instrument :
MSVOA_X
ClientSampleId :

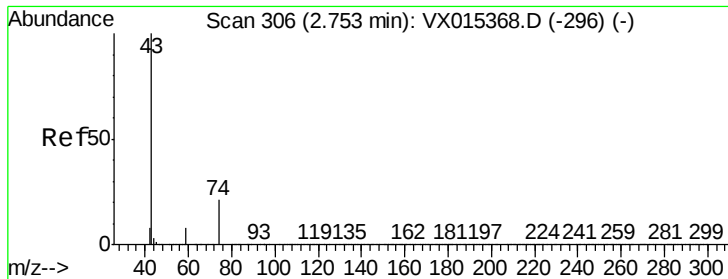
Tot Ion: 56 Resp: 1146
Ion Ratio Lower Upper
56 100
55 15.5 57.0 85.4#



#16
Acetone
Concen: 3.250 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015746.D
Acq: 17 Apr 2020 18:17

Tgt Ion: 43 Resp: 20348
Ion Ratio Lower Upper
43 100
58 24.4 22.1 33.1

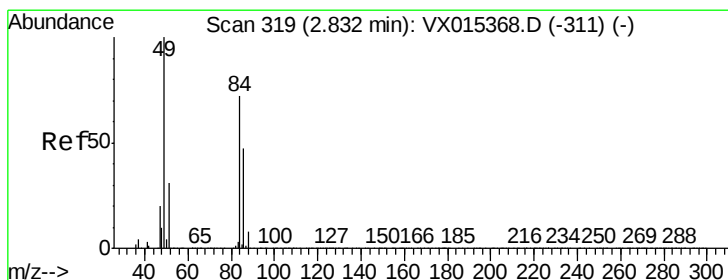
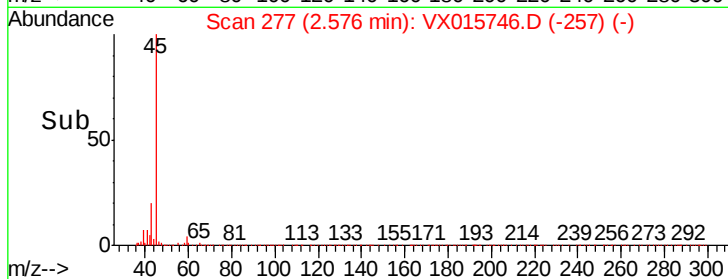
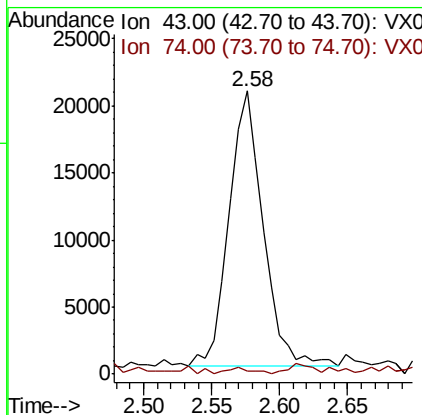
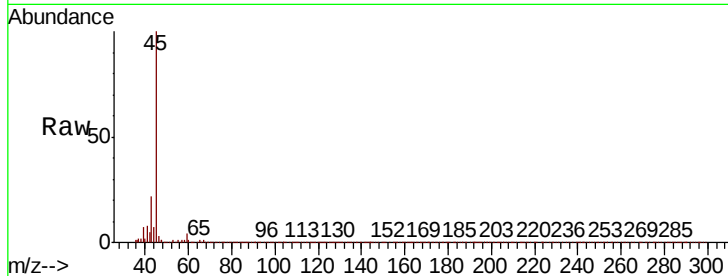




#18
Methyl Acetate
Concen: 2.252 ug/l
RT: 2.58 min Scan# 277
Delta R.T. -0.18 min
Lab File: VX015746.D
Acq: 17 Apr 2020 18:17

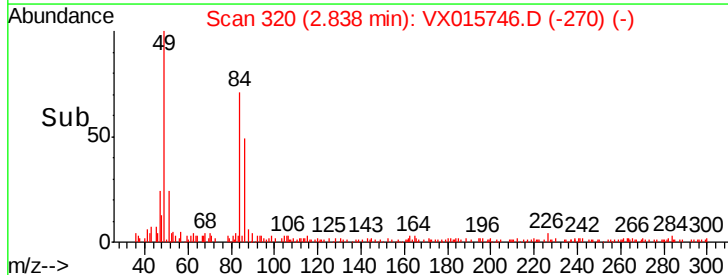
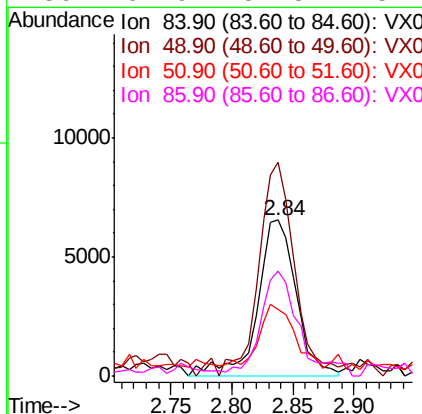
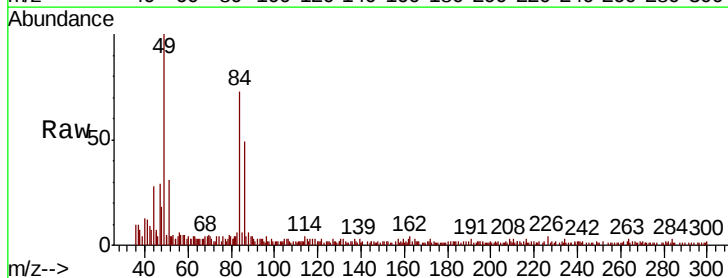
Instrument :
MSVOA_X
ClientSampleId :

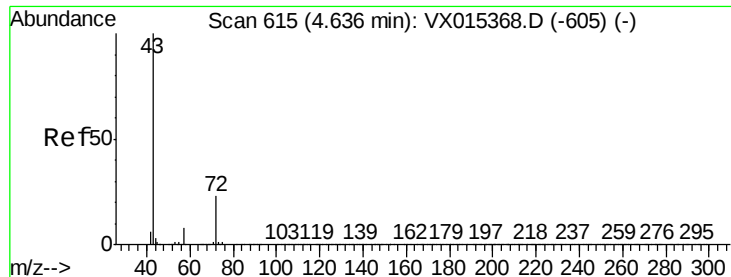
Tot Ion: 43 Resp: 35987
Ion Ratio Lower Upper
43 100
74 1.8 16.5 24.7#



#20
Methylene Chloride
Concen: 1.236 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015746.D
Acq: 17 Apr 2020 18:17

Tgt Ion: 84 Resp: 14455
Ion Ratio Lower Upper
84 100
49 131.1 111.3 166.9
51 36.4 34.0 51.0
86 61.9 52.5 78.7

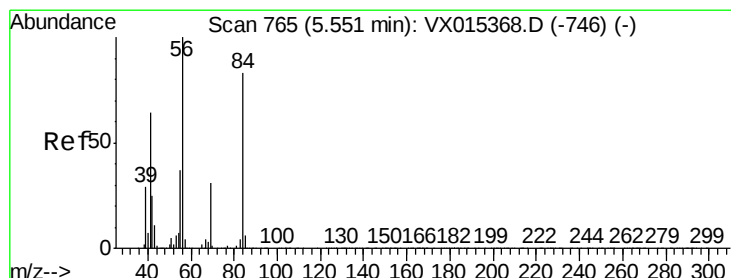
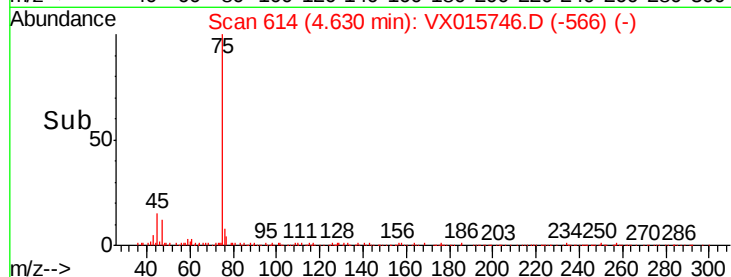
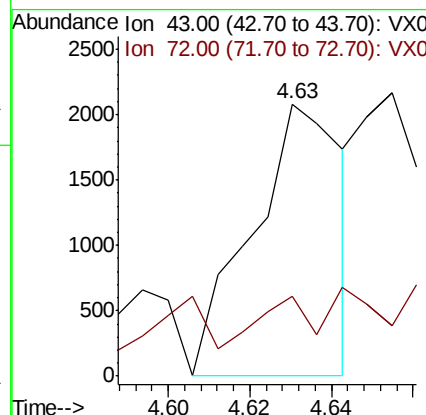
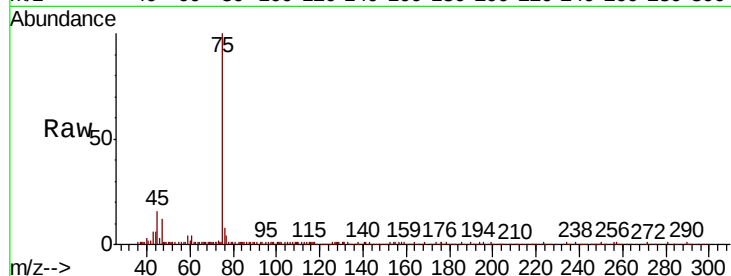




#25
2-Butanone
Concen: 0.317 ug/l
RT: 4.63 min Scan# 614
Delta R.T. -0.01 min
Lab File: VX015746.D
Acq: 17 Apr 2020 18:17

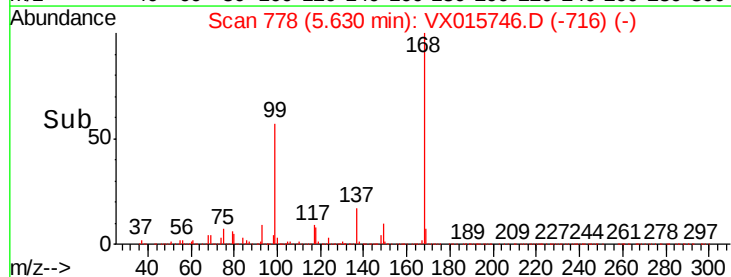
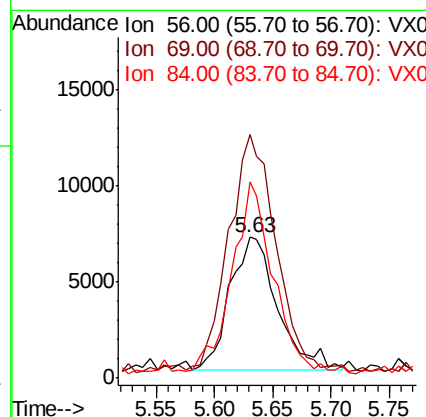
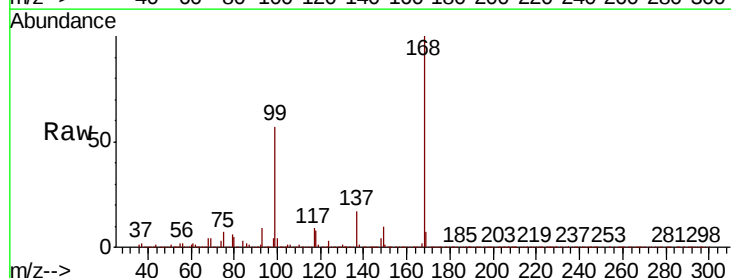
Instrument :
MSVOA_X
ClientSampleId :

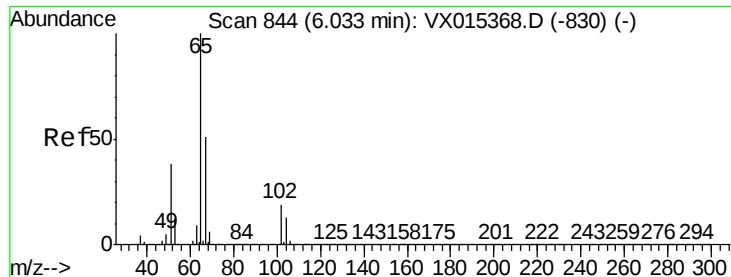
Tot Ion: 43 Resp: 3195
Ion Ratio Lower Upper
43 100
72 0.2 19.0 28.4#



#31
Cyclohexane
Concen: 1.046 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015746.D
Acq: 17 Apr 2020 18:17

Tgt Ion: 56 Resp: 19292
Ion Ratio Lower Upper
56 100
69 175.3 24.6 36.8#
84 142.5 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 42.745 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015746.D

Acq: 17 Apr 2020 18:17

Instrument :

MSVOA_X

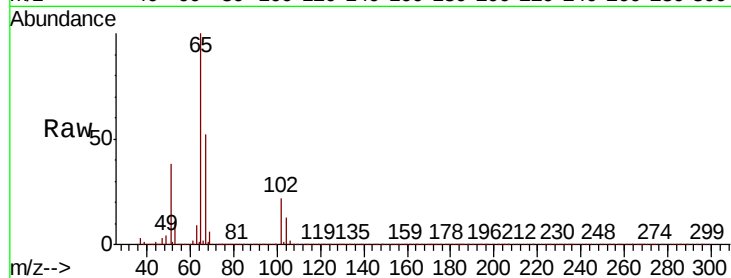
ClientSampleId :

Tot Ion: 65 Resp: 622999

Ion Ratio Lower Upper

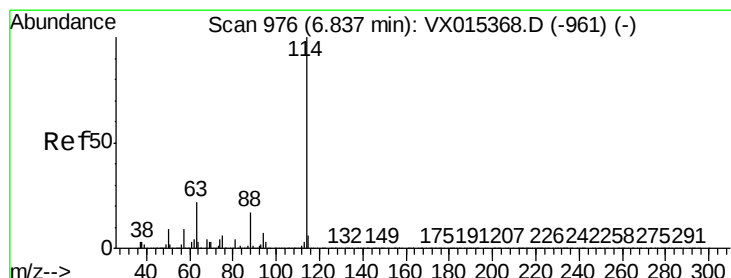
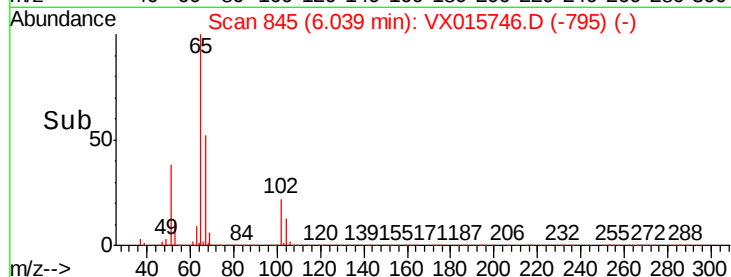
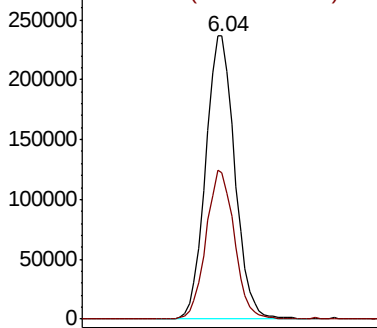
65 100

67 50.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015746.D

Acq: 17 Apr 2020 18:17

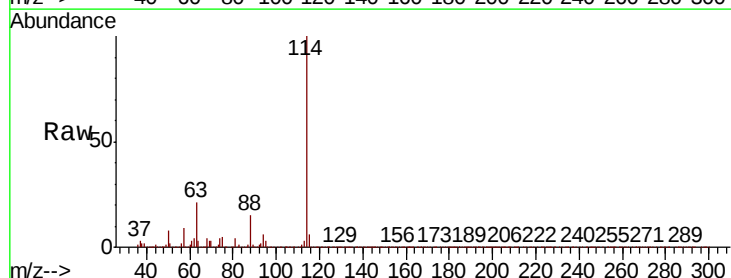
Tgt Ion: 114 Resp: 1612566

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.2

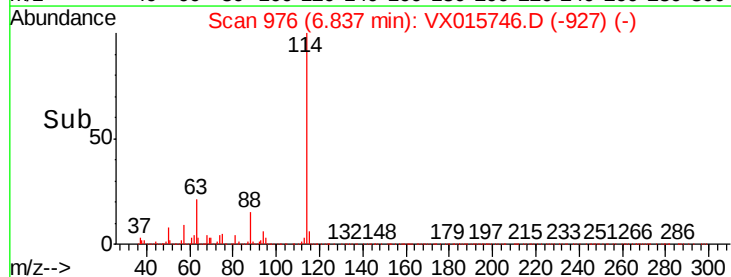
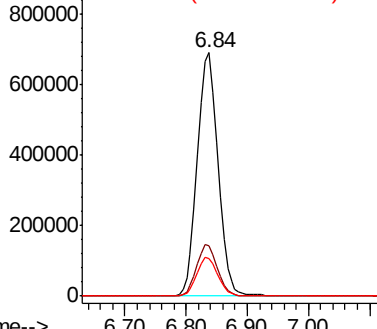
88 15.1 0.0 33.8

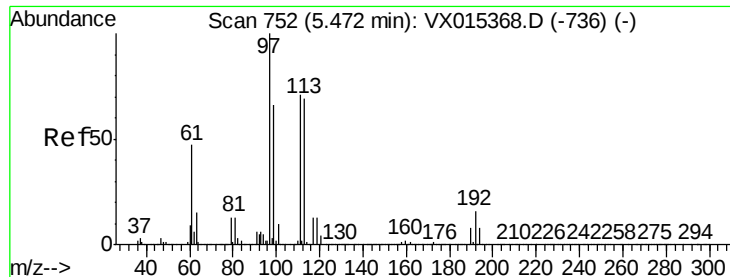


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

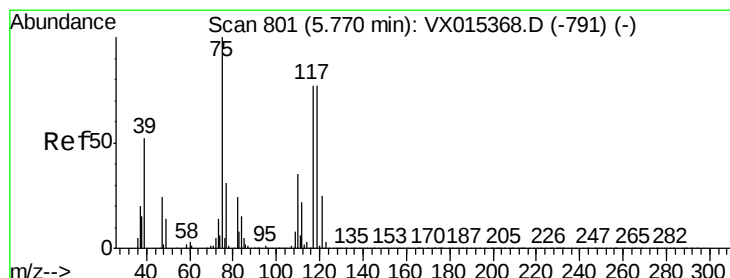
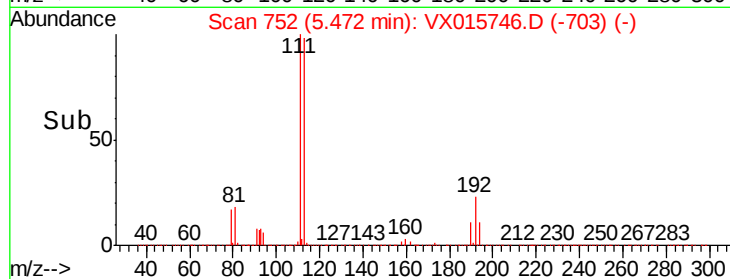
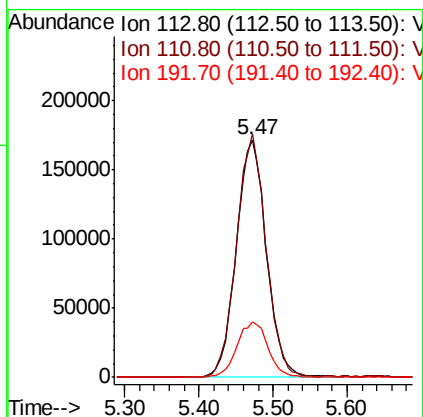
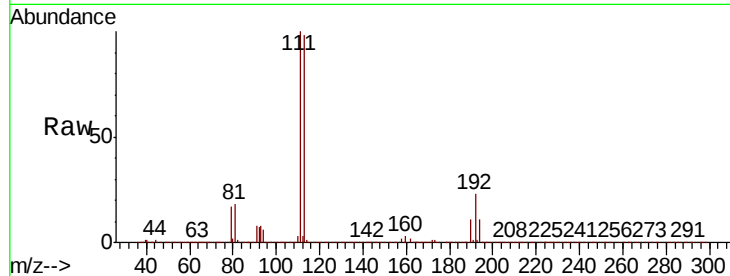




#35
 Dibromofluoromethane
 Concen: 47.043 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015746.D
 Acq: 17 Apr 2020 18:17

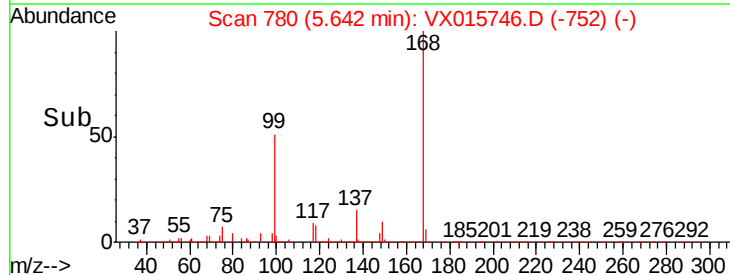
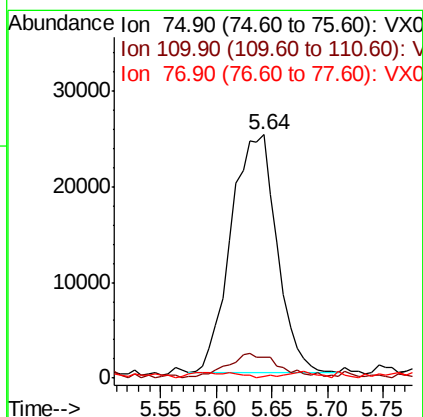
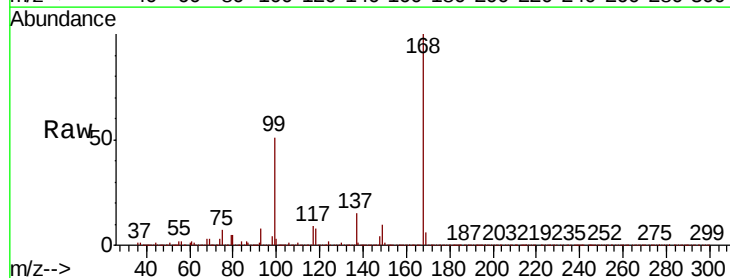
Instrument :
 MSVOA_X
 ClientSampleId :

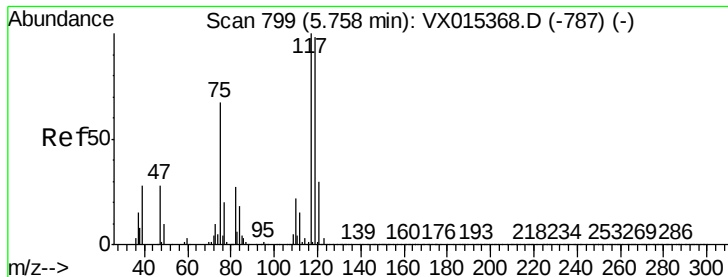
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.5	122.3
192	24.0	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.793 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX015746.D
 Acq: 17 Apr 2020 18:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	17.1	51.3#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.680 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015746.D

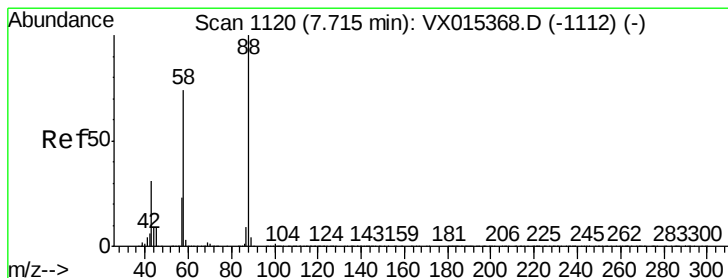
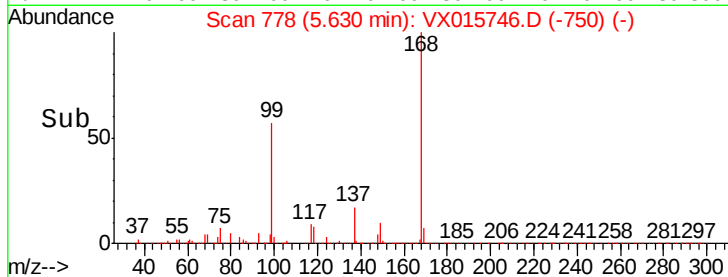
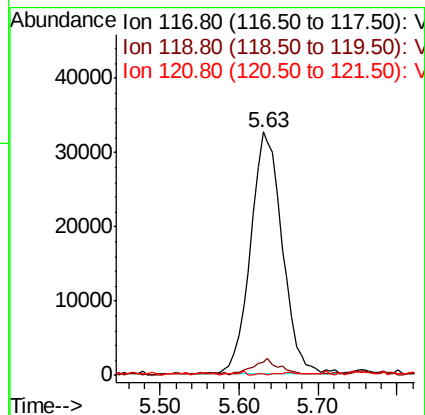
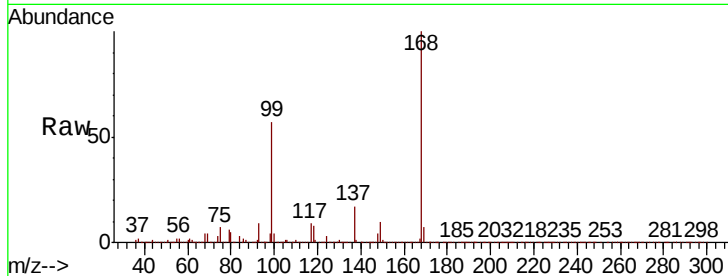
Acq: 17 Apr 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	117	Resp:	91400
Ion Ratio	Lower	Upper	
117	100		
119	4.6	78.0	117.0#
121	0.4	23.8	35.8#



#49

1,4-Dioxane

Concen: 1.535 ug/l

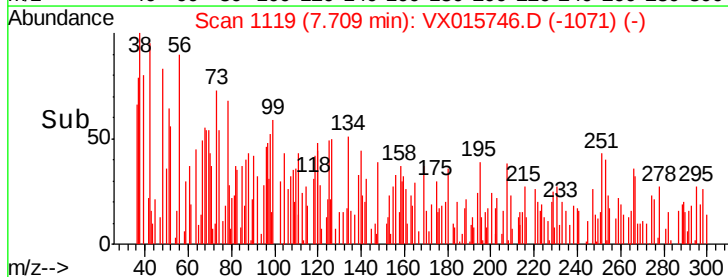
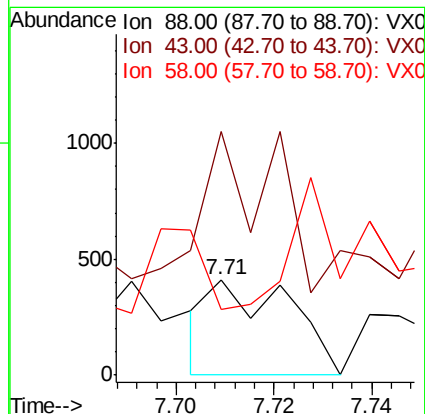
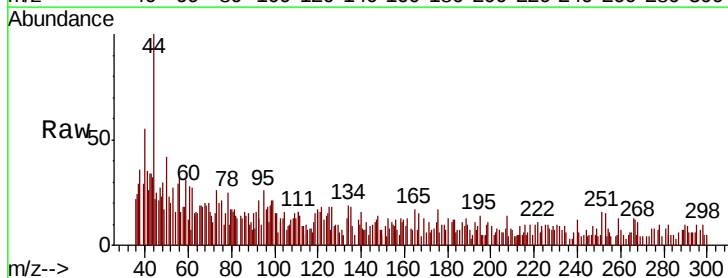
RT: 7.71 min Scan# 1119

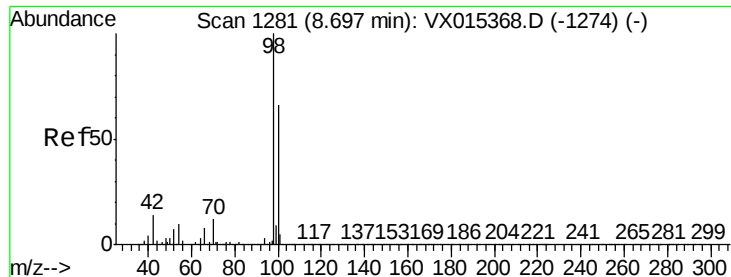
Delta R.T. -0.01 min

Lab File: VX015746.D

Acq: 17 Apr 2020 18:17

Tgt Ion:	88	Resp:	467
Ion Ratio	Lower	Upper	
88	100		
43	258.9	30.1	45.1#
58	186.1	60.6	90.8#

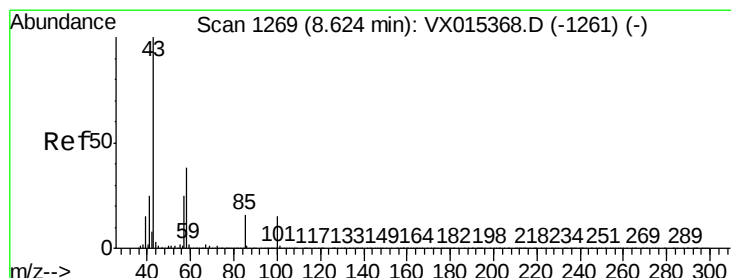
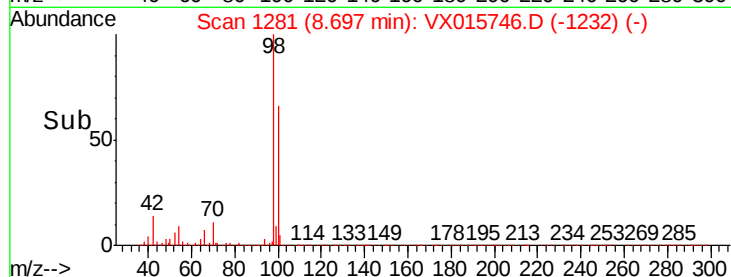
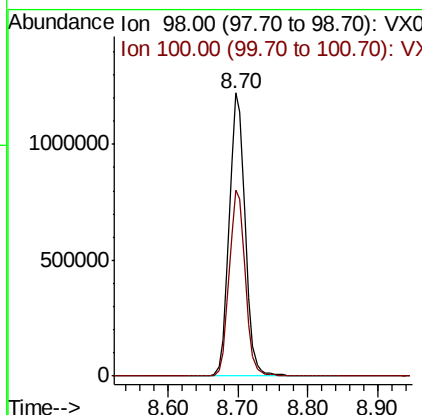
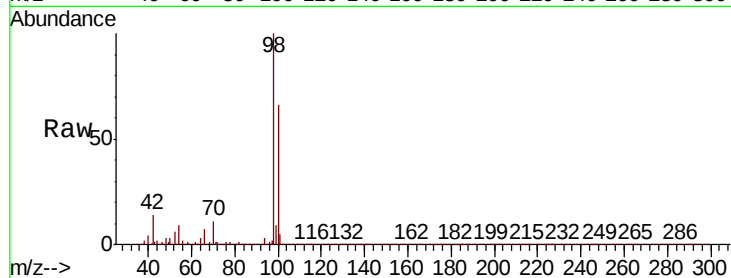




#50
Toluene-d8
Concen: 50.913 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015746.D
Acq: 17 Apr 2020 18:17

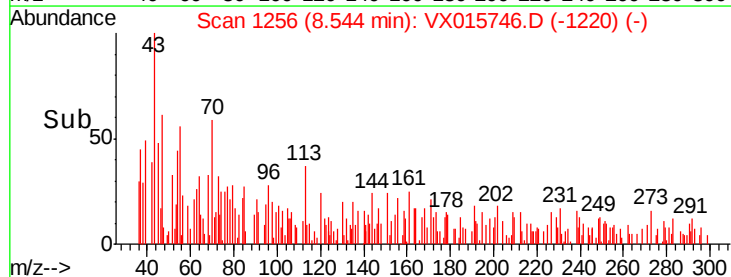
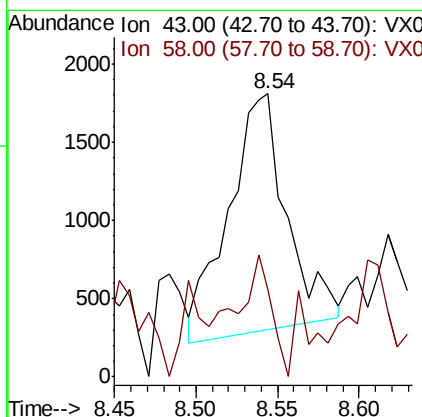
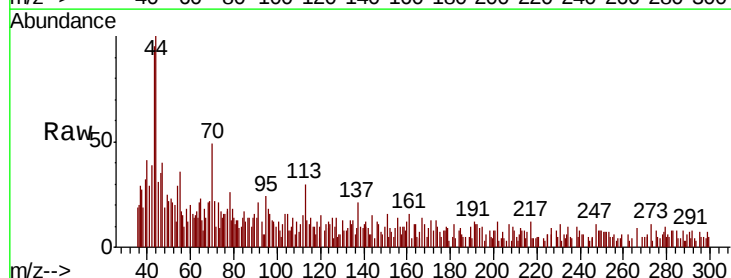
Instrument :
MSVOA_X
ClientSampleId :

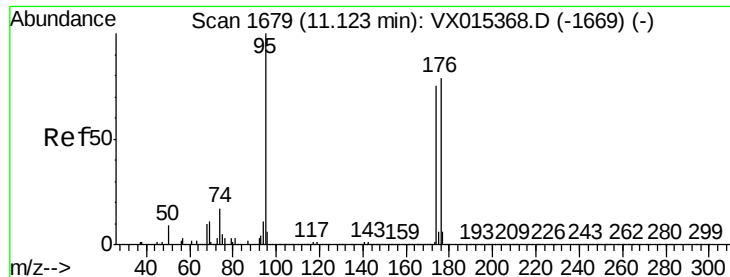
Tot Ion: 98 Resp: 1932216
Ion Ratio Lower Upper
98 100
100 66.2 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.203 ug/l
RT: 8.54 min Scan# 1256
Delta R.T. -0.08 min
Lab File: VX015746.D
Acq: 17 Apr 2020 18:17

Tgt Ion: 43 Resp: 3764
Ion Ratio Lower Upper
43 100
58 32.4 29.7 44.5





#62

4-Bromofluorobenzene

Concen: 52.087 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015746.D

Acq: 17 Apr 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

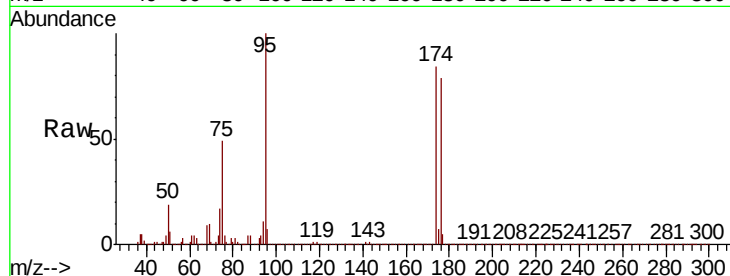
Tot Ion: 95 Resp: 803362

Ion Ratio Lower Upper

95 100

174 84.1 0.0 158.6

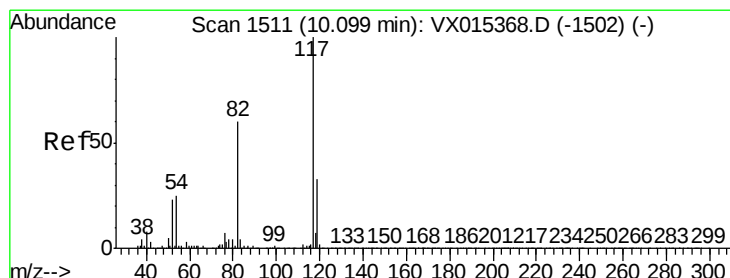
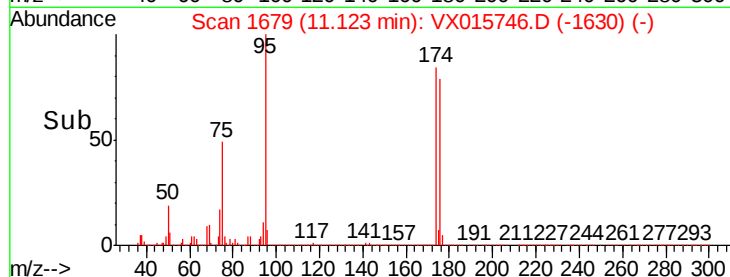
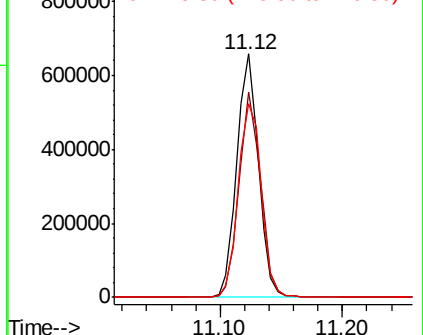
176 84.6 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015746.D

Acq: 17 Apr 2020 18:17

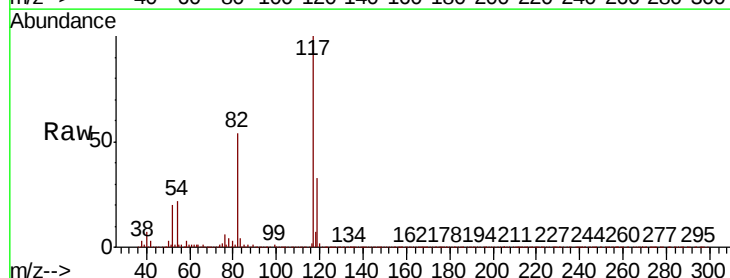
Tgt Ion: 117 Resp: 1560113

Ion Ratio Lower Upper

117 100

82 54.4 47.8 71.8

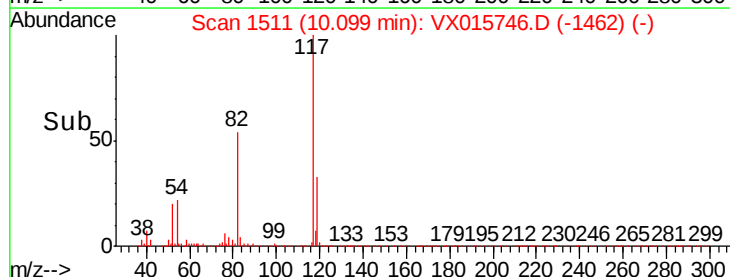
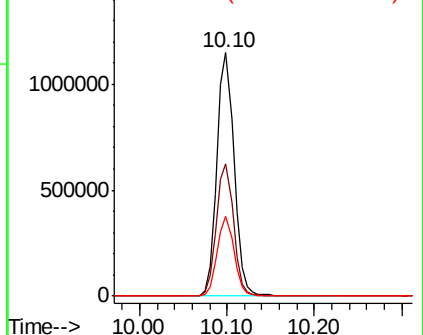
119 32.8 26.8 40.2

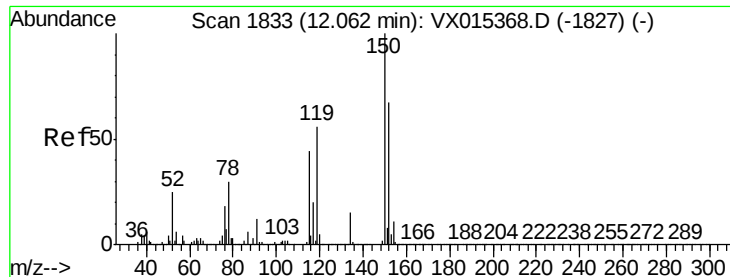


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015746.D

Acq: 17 Apr 2020 18:17

Instrument :

MSVOA_X

ClientSampled :

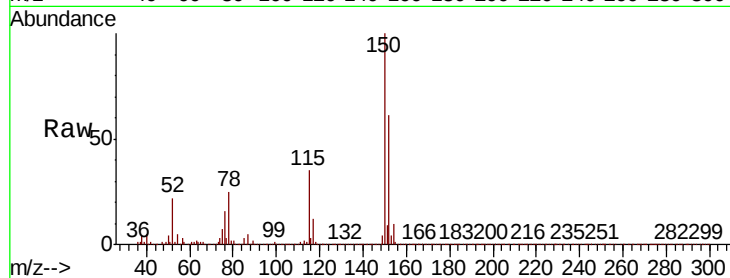
Tot Ion:152 Resp: 859007

Ion Ratio Lower Upper

152 100

115 56.0 39.0 116.9

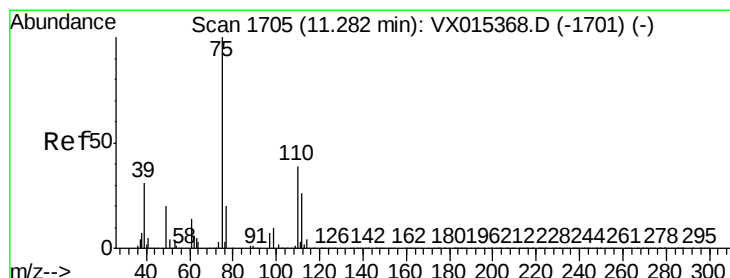
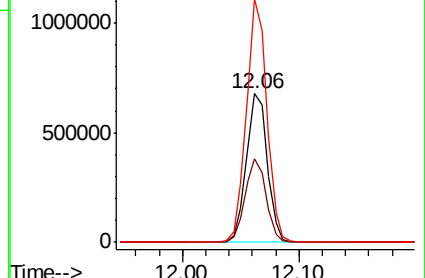
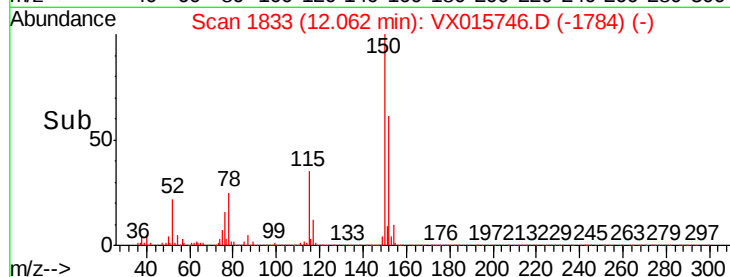
150 158.9 0.0 340.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.939 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015746.D

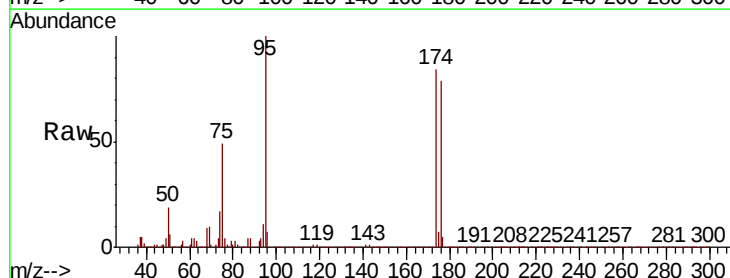
Acq: 17 Apr 2020 18:17

Tgt Ion: 75 Resp: 405213

Ion Ratio Lower Upper

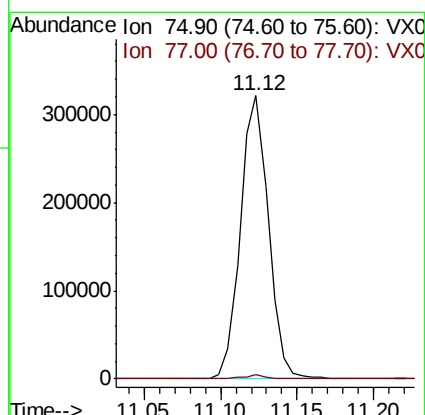
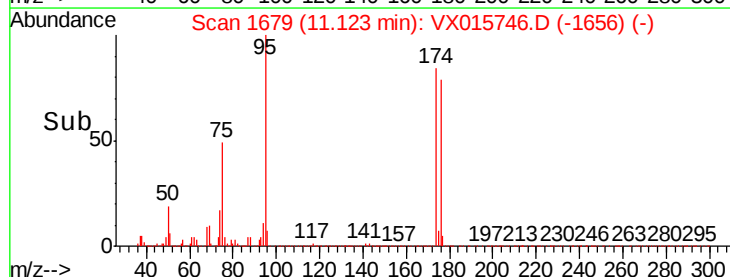
75 100

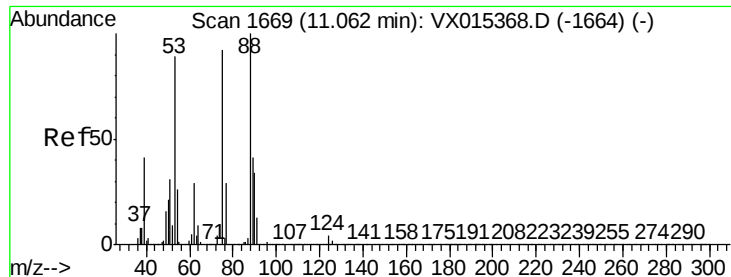
77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.041 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015746.D

Acq: 17 Apr 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 405213

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#

