

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040820\
 Data File : VX015573.D
 Acq On : 08 Apr 2020 16:47
 Operator : JC/SP
 Sample : L2190-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-200406

Quant Time: Apr 09 06:22:51 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	5.63	168	1067634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1674561	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1605329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	894020	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	702930	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
35) Dibromofluoromethane	5.47	113	530028	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	8.70	98	1974142	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.12	95	862782	53.87	ug/l	0.00
Spiked Amount			Recovery	=	107.74%	

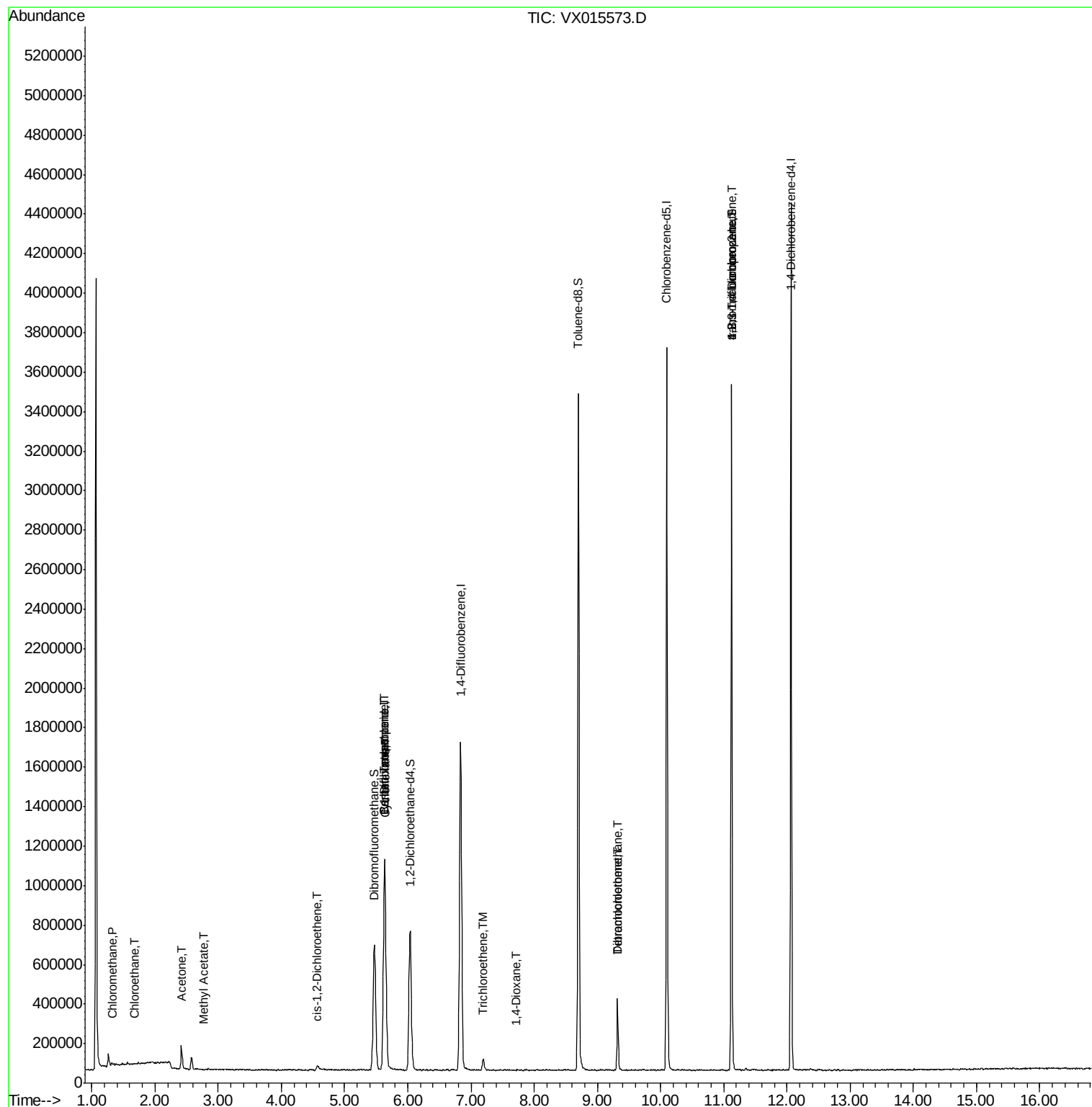
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	5471	0.457	ug/l	97
5) Bromomethane	1.61	94	314	Below Cal	#	3
6) Chloroethane	1.69	64	1427	0.209	ug/l #	62
16) Acetone	2.42	43	129885	20.077	ug/l	95
18) Methyl Acetate	2.76	43	4030	0.244	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	12862	0.994	ug/l	85
31) Cyclohexane	5.64	56	23751	1.246	ug/l #	24
36) 1,1-Dichloropropene	5.64	75	75759	4.910	ug/l #	54
38) Carbon Tetrachloride	5.63	117	99573	5.958	ug/l #	15
44) Trichloroethene	7.20	130	23958	1.944	ug/l	82
49) 1,4-Dioxane	7.71	88	822	2.601	ug/l #	38
60) Dibromochloromethane	9.32	129	65625	4.784	ug/l #	13
64) Tetrachloroethene	9.32	164	75510	6.233	ug/l	89
76) 1,2,3-Trichloropropane	11.12	75	446460	24.284	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	446460	58.269	ug/l #	10

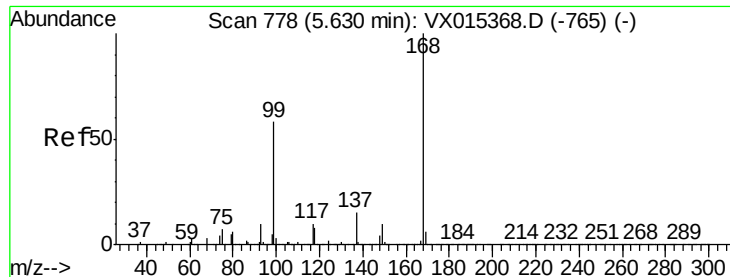
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015573.D

Acq: 08 Apr 2020 16:47

Instrument :

MSVOA_X

ClientSampleId :

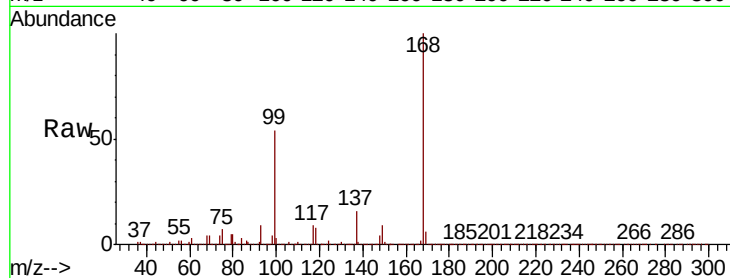
M-16-200406

Tot Ion:168 Resp: 1067634

Ion Ratio Lower Upper

168 100

99 53.5 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

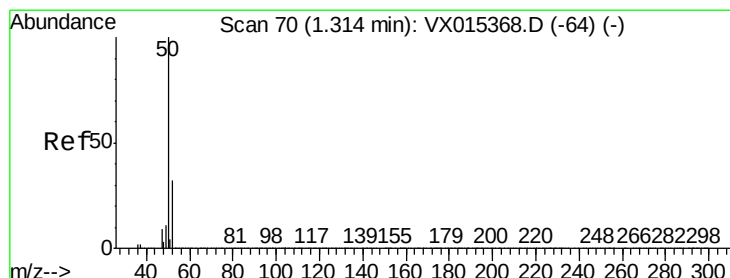
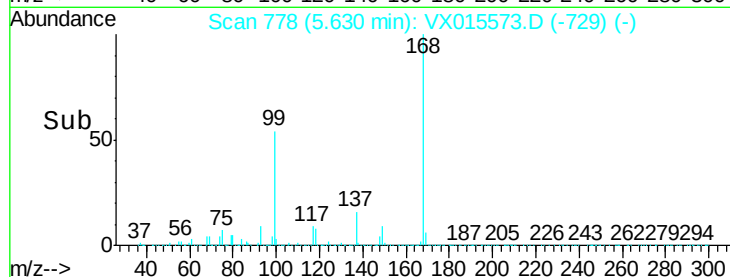
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.457 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015573.D

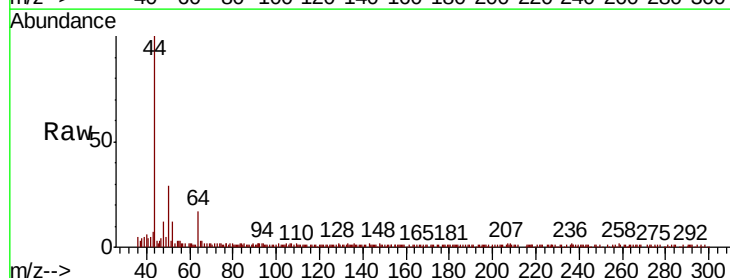
Acq: 08 Apr 2020 16:47

Tgt Ion: 50 Resp: 5471

Ion Ratio Lower Upper

50 100

52 33.3 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

6000

5000

4000

3000

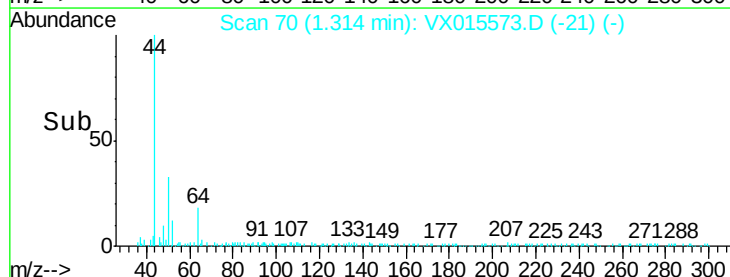
2000

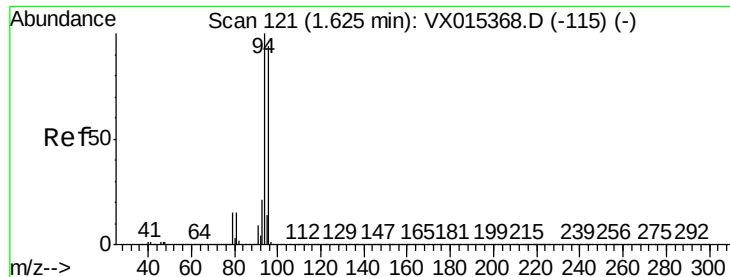
1000

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 118

Delta R.T. -0.02 min

Lab File: VX015573.D

Acq: 08 Apr 2020 16:47

Instrument :

MSVOA_X

ClientSampleId :

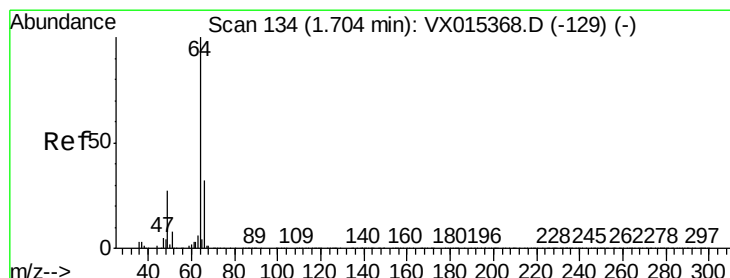
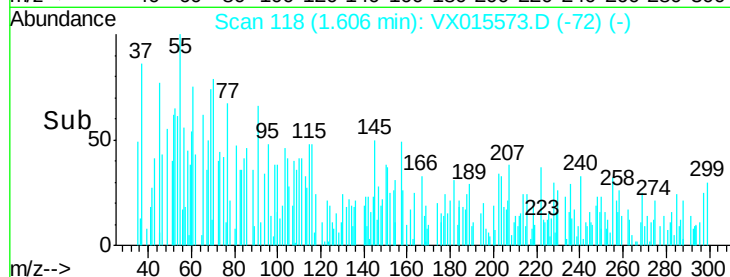
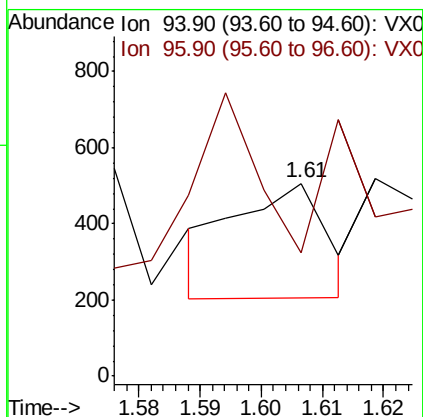
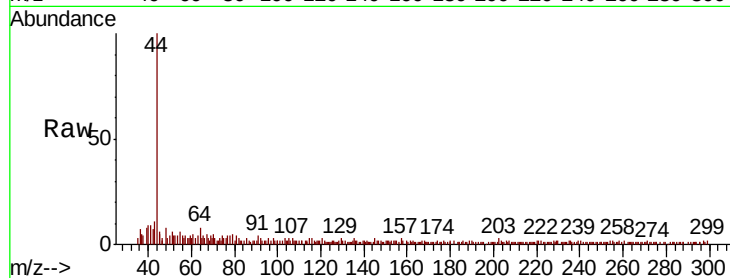
M-16-200406

Tot Ion: 94 Resp: 314

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



#6

Chloroethane

Concen: 0.209 ug/l

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX015573.D

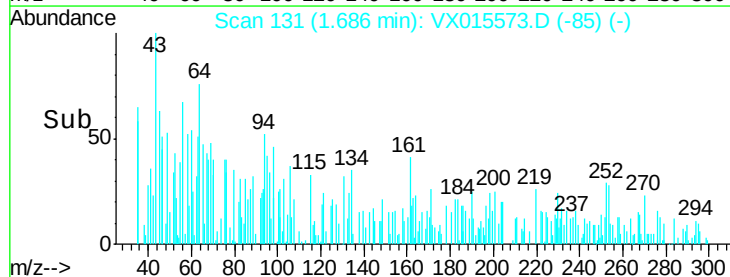
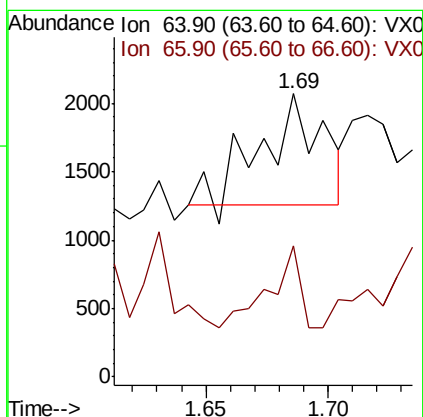
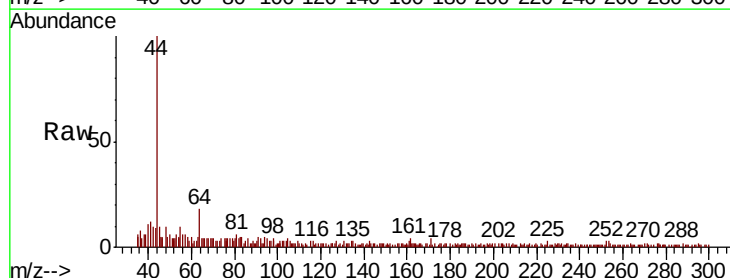
Acq: 08 Apr 2020 16:47

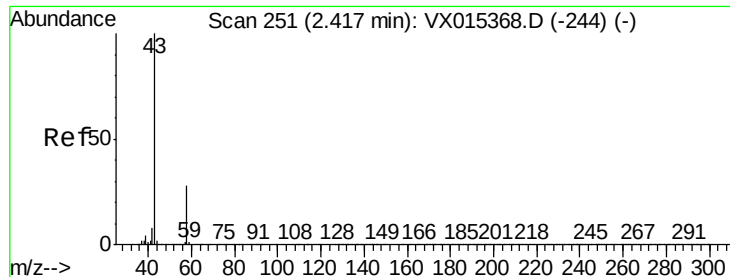
Tgt Ion: 64 Resp: 1427

Ion Ratio Lower Upper

64 100

66 53.2 25.4 38.2#

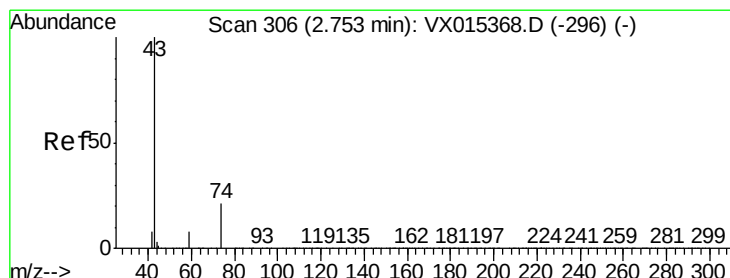
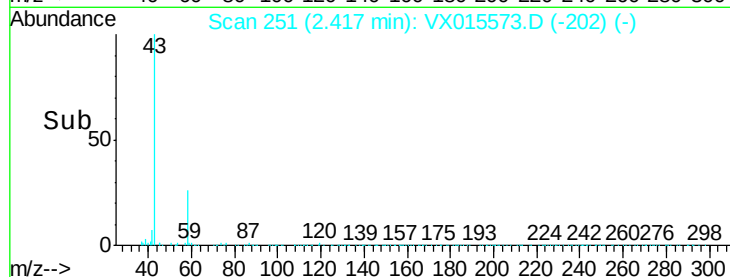
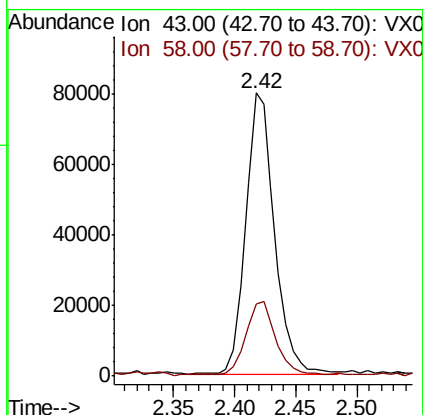
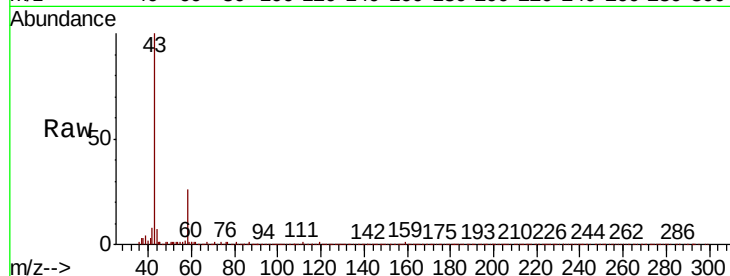




#16
Acetone
Concen: 20.077 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015573.D
Acq: 08 Apr 2020 16:47

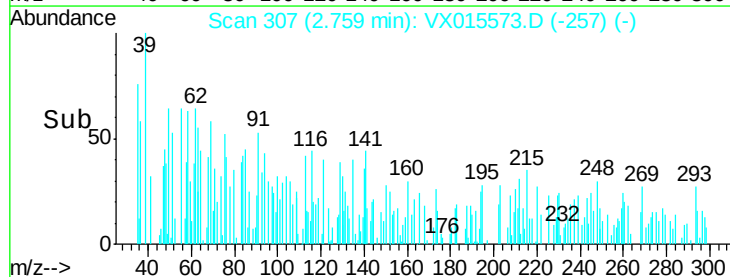
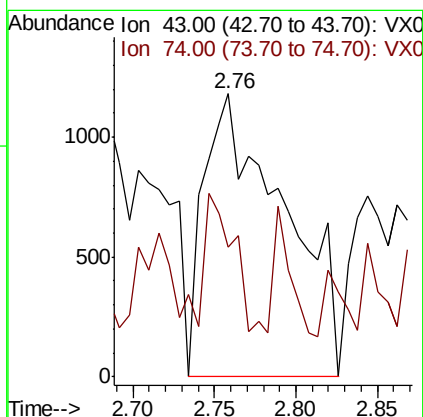
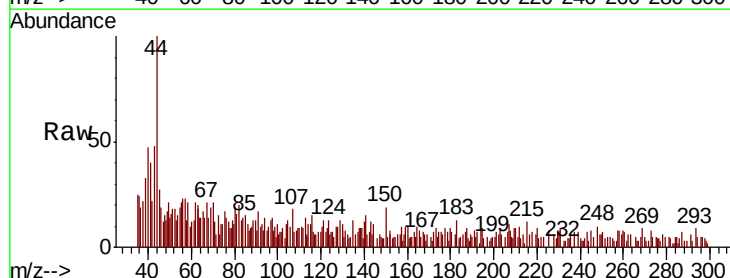
Instrument :
MSVOA_X
ClientSampleId :
M-16-200406

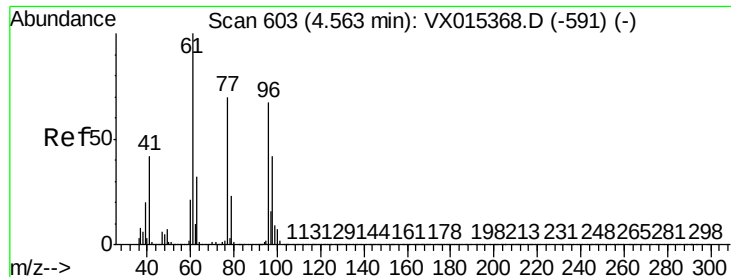
Tot Ion: 43 Resp: 129885
Ion Ratio Lower Upper
43 100
58 25.1 22.1 33.1



#18
Methyl Acetate
Concen: 0.244 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX015573.D
Acq: 08 Apr 2020 16:47

Tgt Ion: 43 Resp: 4030
Ion Ratio Lower Upper
43 100
74 21.0 16.5 24.7



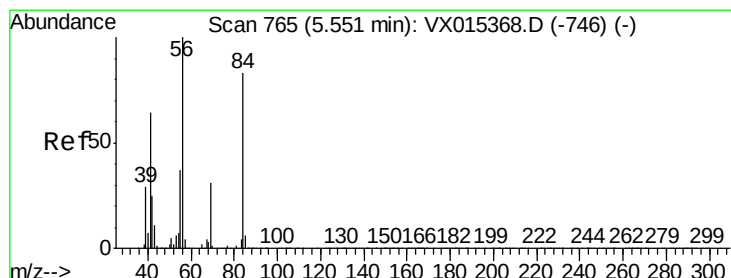
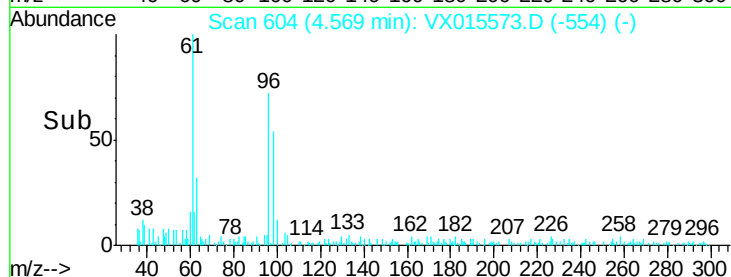
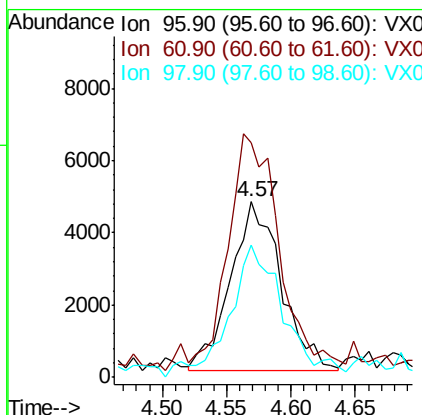
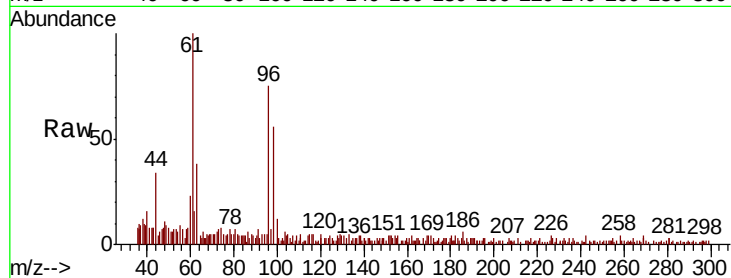


#27

cis-1,2-Dichloroethene
Concen: 0.994 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX015573.D
Acq: 08 Apr 2020 16:47

Instrument :
MSVOA_X
ClientSampled :
M-16-200406

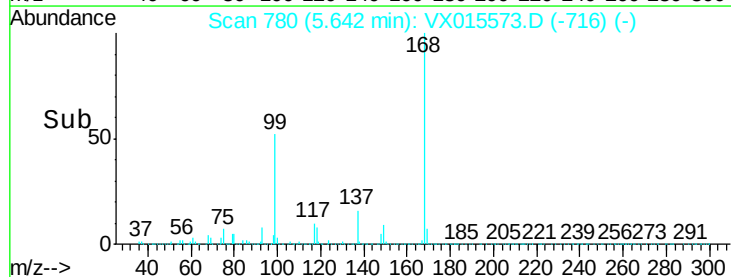
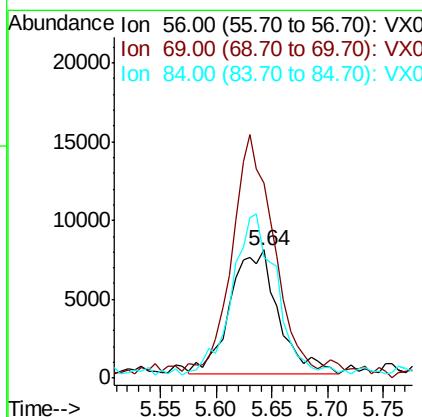
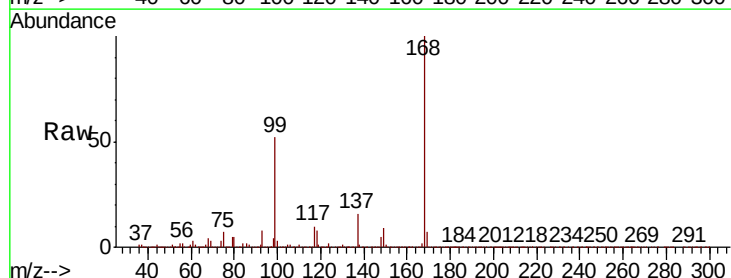
Tot Ion	Ratio	Lower	Upper
96	100		
61	131.3	0.0	308.4
98	71.8	0.0	129.2

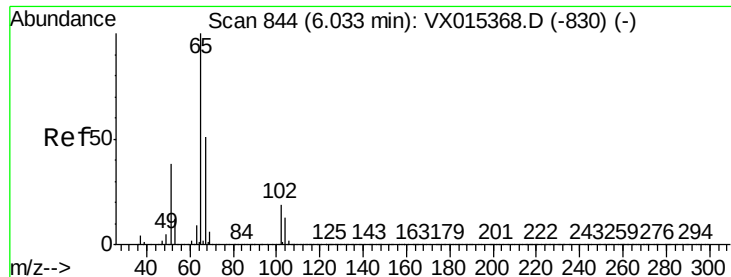


#31

Cyclohexane
Concen: 1.246 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.09 min
Lab File: VX015573.D
Acq: 08 Apr 2020 16:47

Tgt Ion	Ratio	Lower	Upper
56	100		
69	156.6	24.6	36.8#
84	99.1	66.1	99.1#

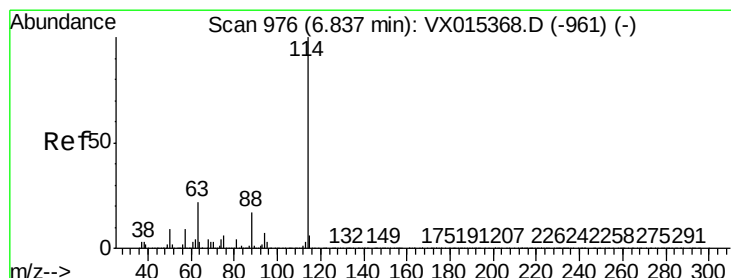
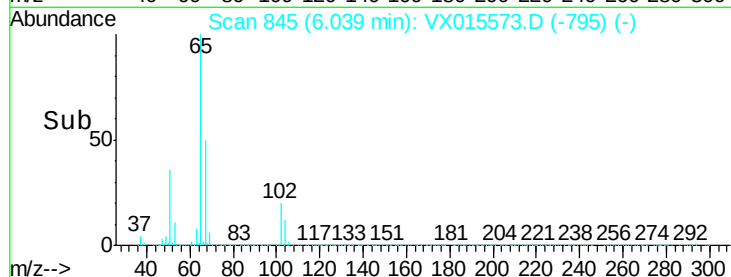
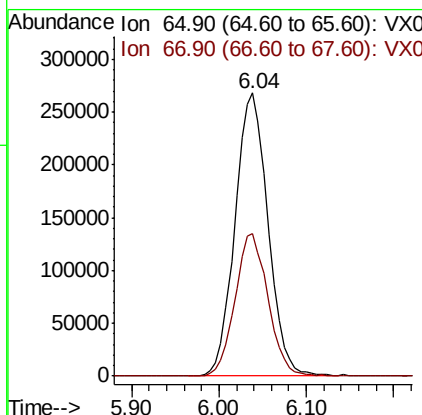
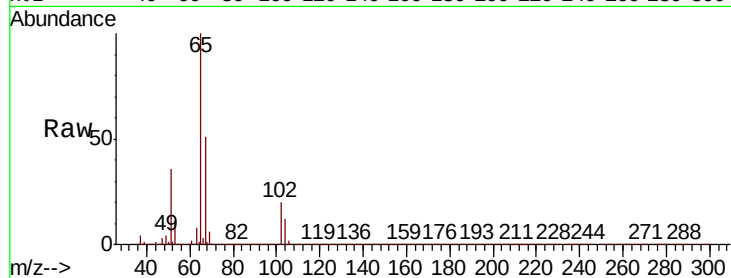




#33
 1,2-Dichloroethane-d4
 Concen: 46.682 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015573.D
 Acq: 08 Apr 2020 16:47

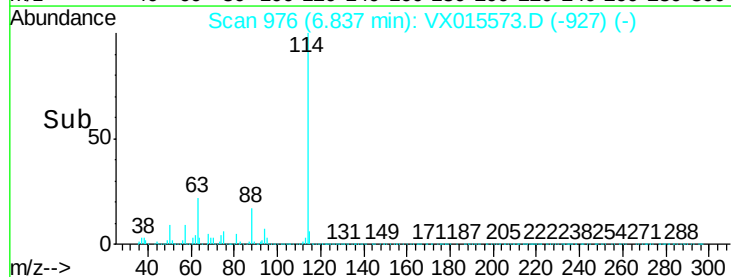
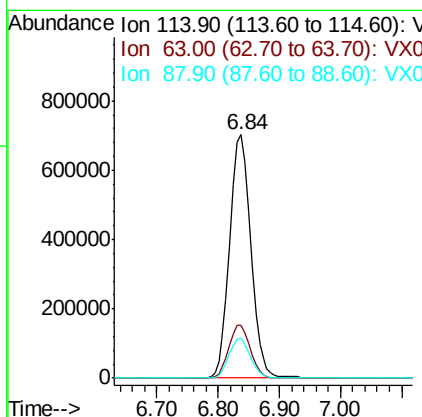
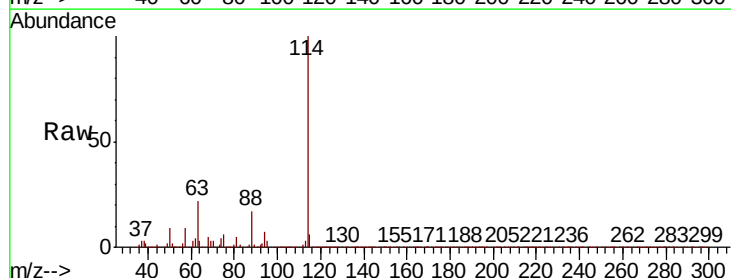
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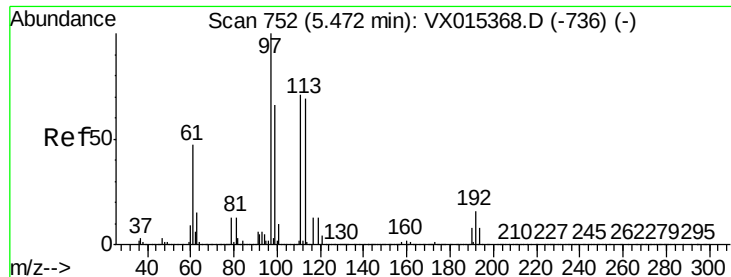
Tot Ion: 65 Resp: 702930
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015573.D
 Acq: 08 Apr 2020 16:47

Tgt Ion: 114 Resp: 1674561
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 44.2
 88 16.5 0.0 33.8

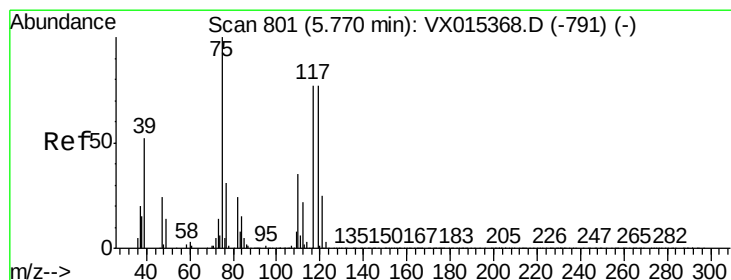
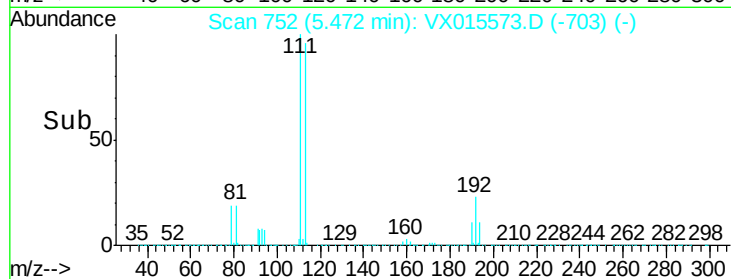
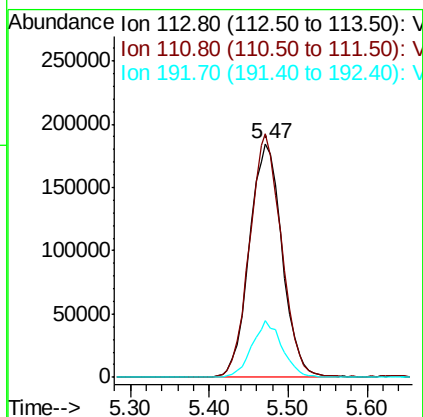
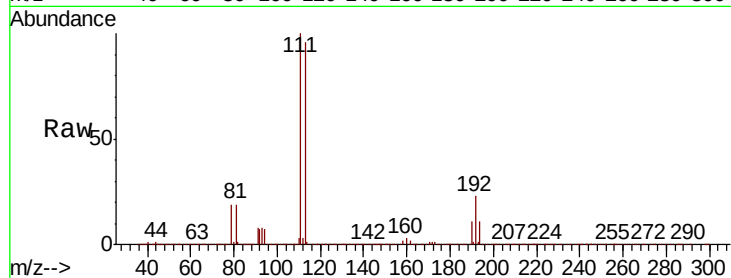




#35
 Dibromofluoromethane
 Concen: 49.516 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015573.D
 Acq: 08 Apr 2020 16:47

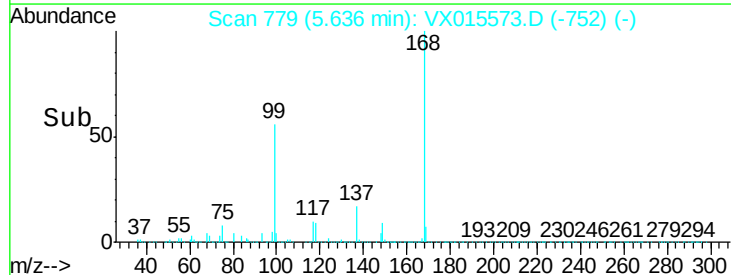
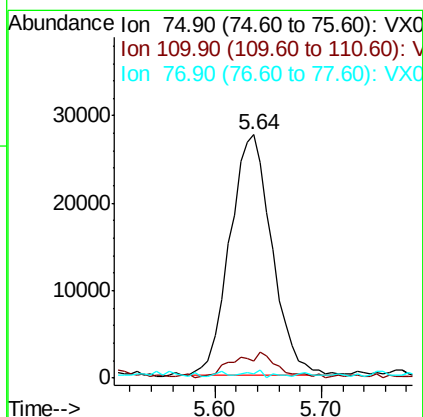
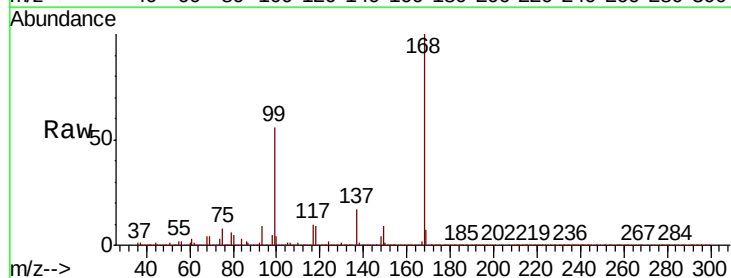
Instrument :
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 ClientSampleId :
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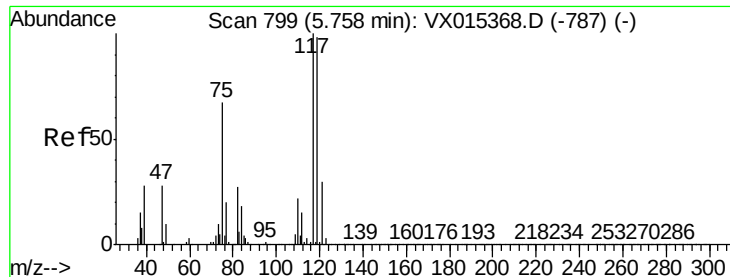
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.5	122.3
192	22.4	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.910 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015573.D
 Acq: 08 Apr 2020 16:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.7	17.1	51.3#
77	1.2	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.958 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015573.D

Acq: 08 Apr 2020 16:47

Instrument :

MSVOA_X

ClientSampleId :

M-16-200406

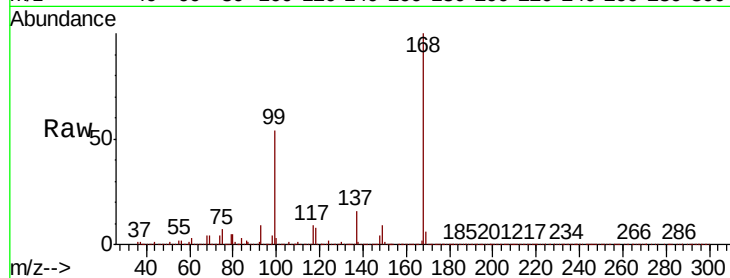
Tot Ion:117 Resp: 99573

Ion Ratio Lower Upper

117 100

119 4.4 78.0 117.0#

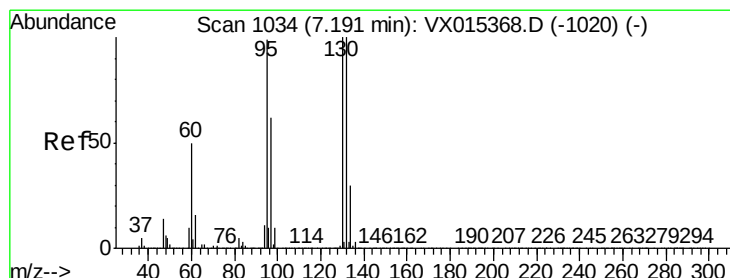
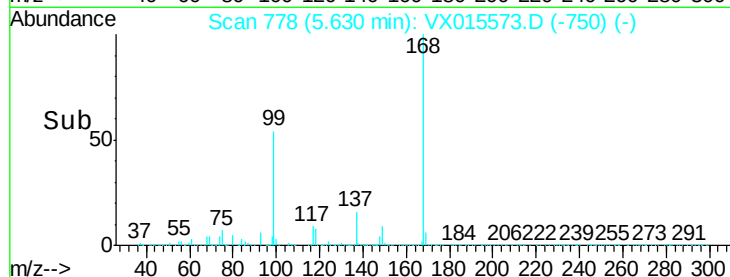
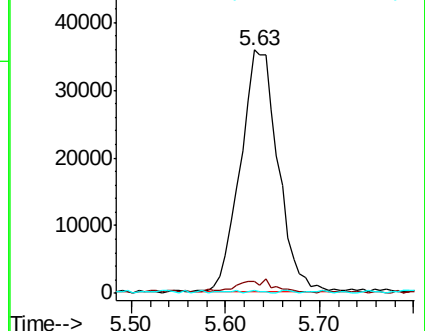
121 0.9 23.8 35.8#



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



#44

Trichloroethene

Concen: 1.944 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015573.D

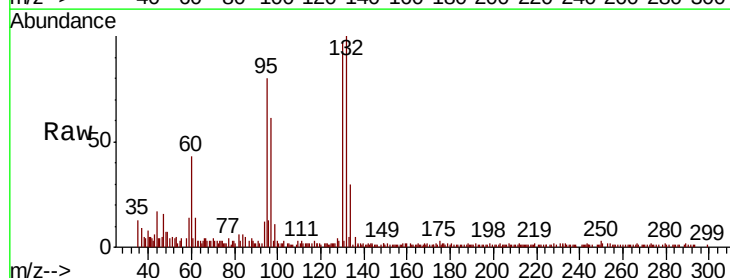
Acq: 08 Apr 2020 16:47

Tgt Ion:130 Resp: 23958

Ion Ratio Lower Upper

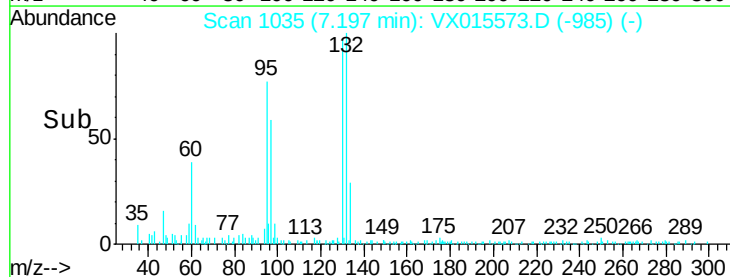
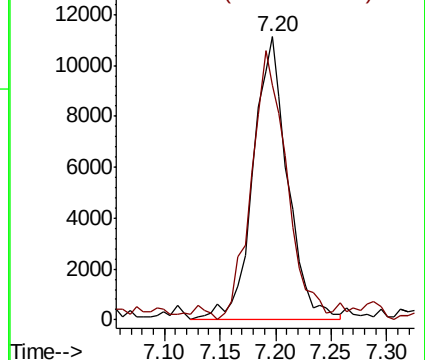
130 100

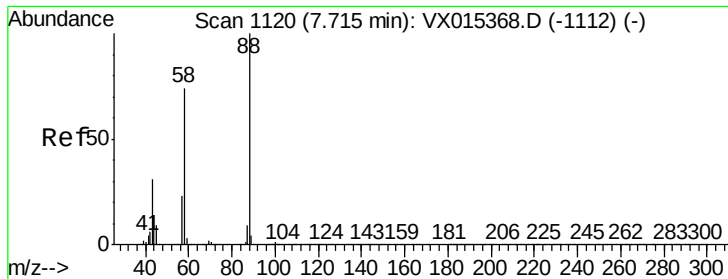
95 81.1 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 2.601 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015573.D

Acq: 08 Apr 2020 16:47

Instrument :

MSVOA_X

ClientSampleId :

M-16-200406

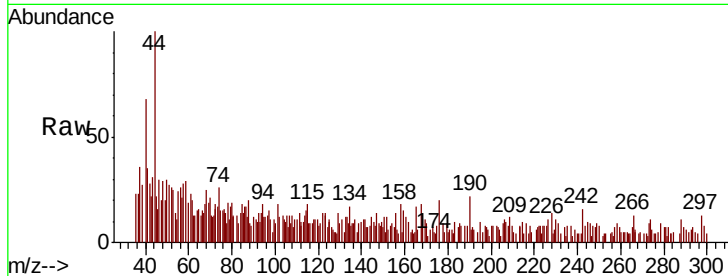
Tot Ion: 88 Resp: 822

Ion Ratio Lower Upper

88 100

43 60.9 30.1 45.1#

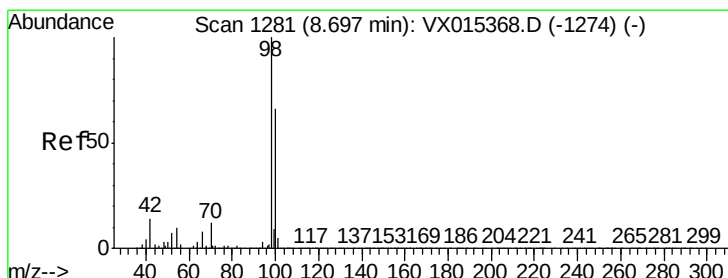
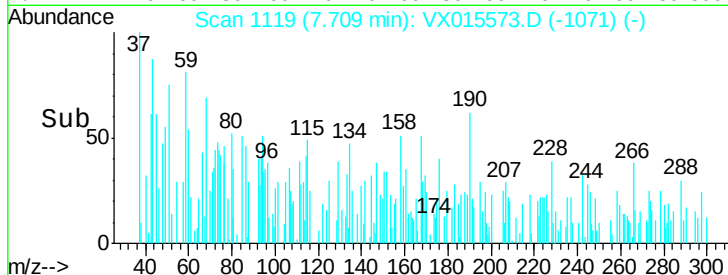
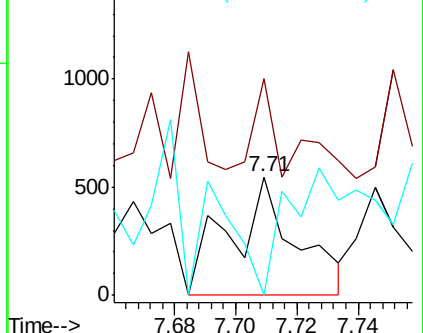
58 139.2 60.6 90.8#



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: 50.092 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015573.D

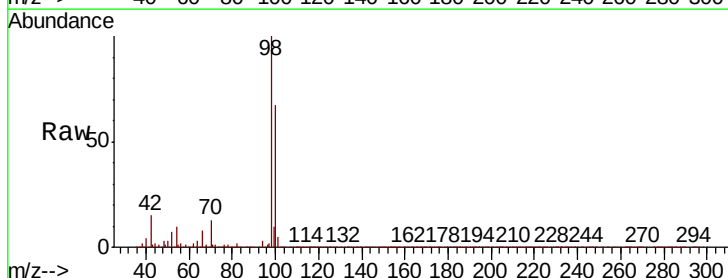
Acq: 08 Apr 2020 16:47

Tgt Ion: 98 Resp: 1974142

Ion Ratio Lower Upper

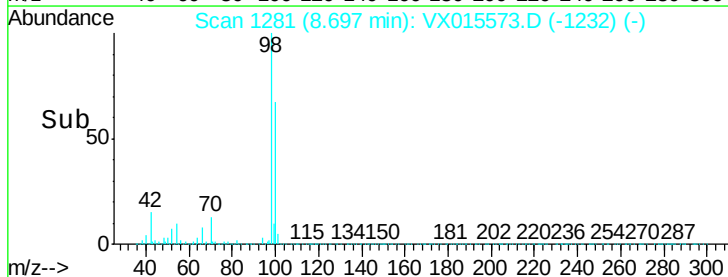
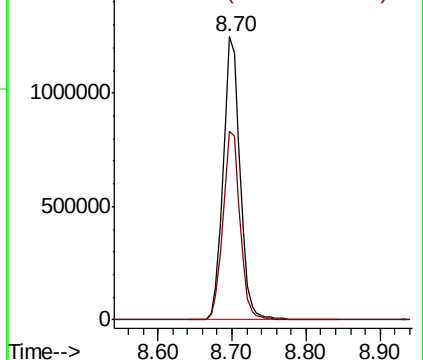
98 100

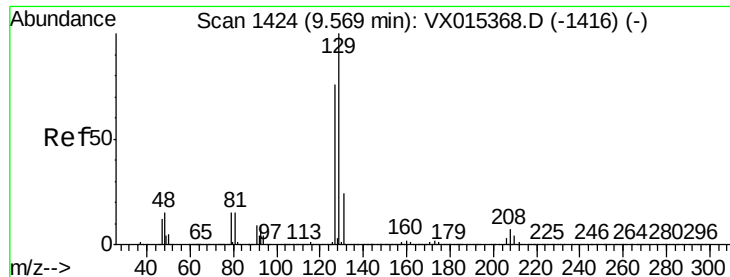
100 67.5 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 4.784 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015573.D

Acq: 08 Apr 2020 16:47

Instrument :

MSVOA_X

ClientSampleId :

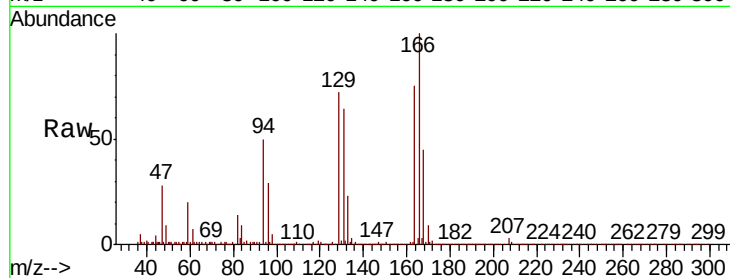
M-16-200406

Tot Ion:129 Resp: 65625

Ion Ratio Lower Upper

129 100

127 1.6 38.2 114.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

50000

40000

30000

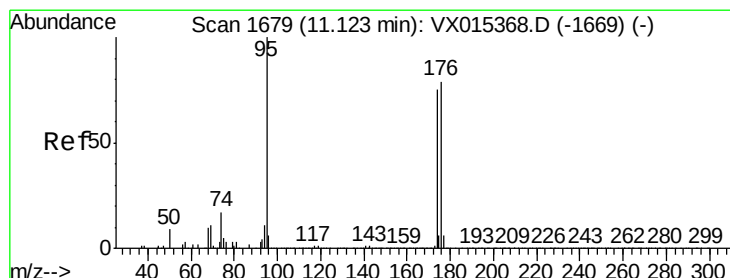
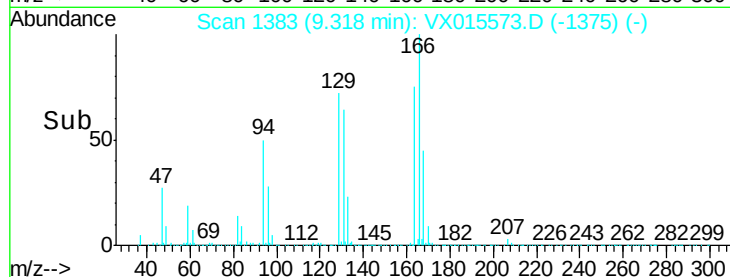
20000

10000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#62

4-Bromofluorobenzene

Concen: 53.869 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015573.D

Acq: 08 Apr 2020 16:47

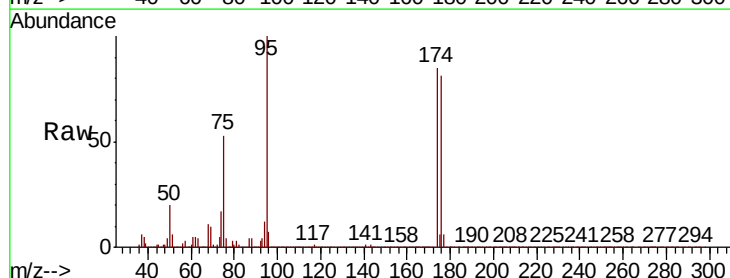
Tgt Ion: 95 Resp: 862782

Ion Ratio Lower Upper

95 100

174 82.2 0.0 158.6

176 78.3 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

800000

600000

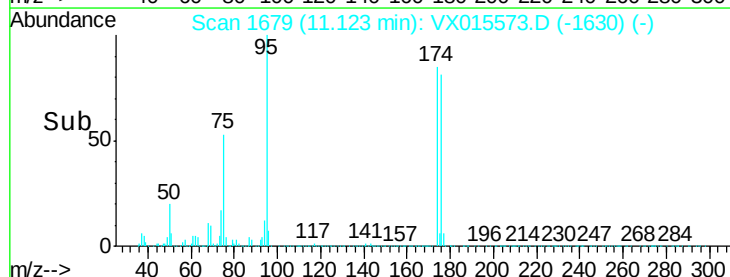
400000

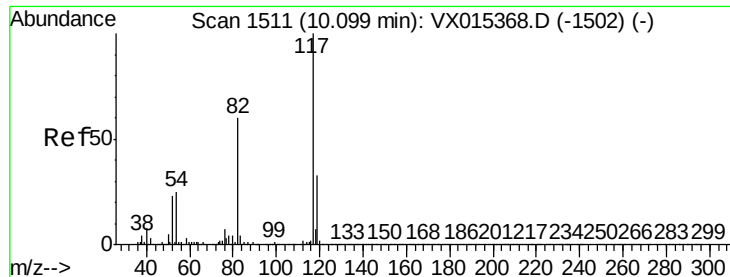
200000

0

11.10 11.12 11.20

Time-->

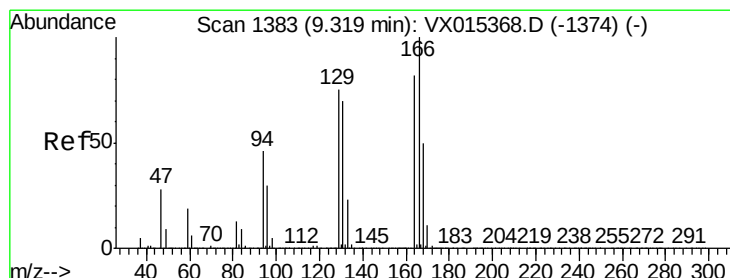
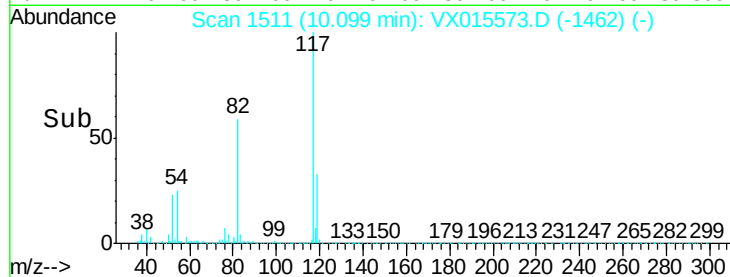
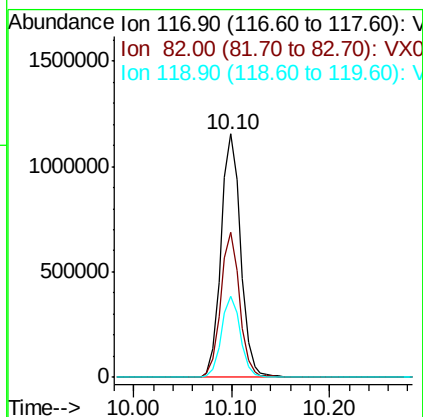
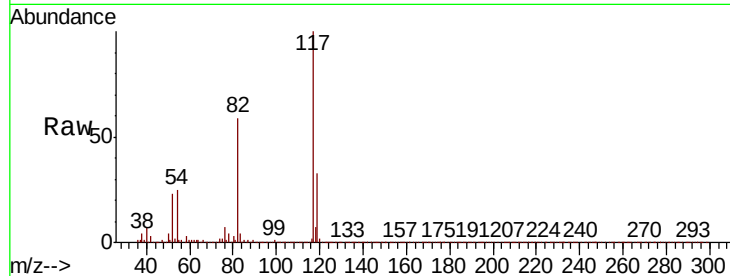




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015573.D
Acq: 08 Apr 2020 16:47

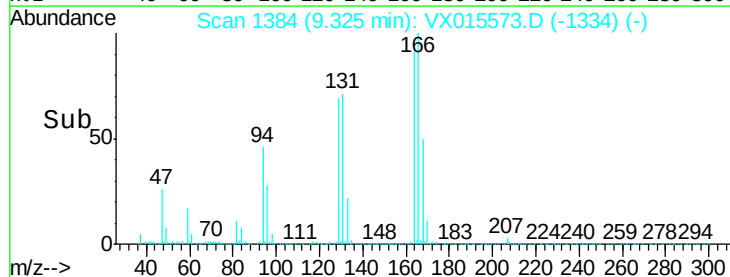
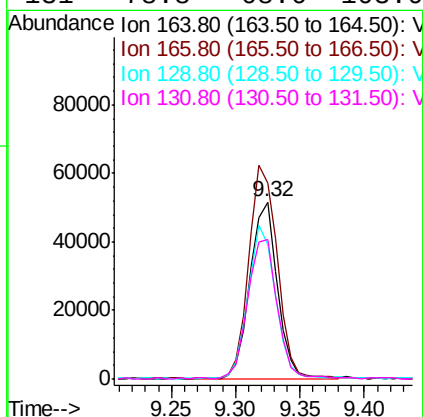
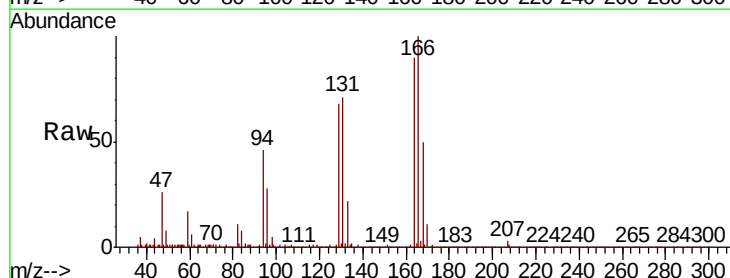
Instrument :
MSVOA_X
ClientSampleId :
M-16-200406

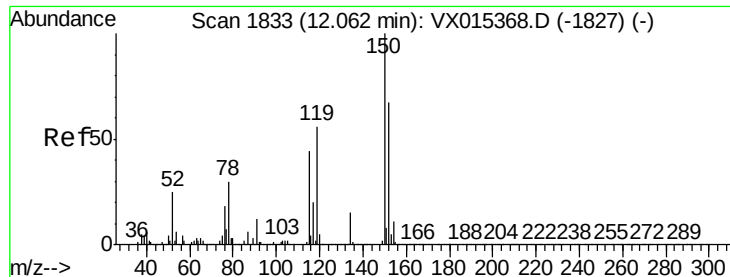
Tot Ion:117 Resp: 1605329
Ion Ratio Lower Upper
117 100
82 59.5 47.8 71.8
119 33.2 26.8 40.2



#64
Tetrachloroethene
Concen: 6.233 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX015573.D
Acq: 08 Apr 2020 16:47

Tgt Ion:164 Resp: 75510
Ion Ratio Lower Upper
164 100
166 111.1 97.8 146.6
129 75.4 73.0 109.4
131 78.8 68.6 103.0

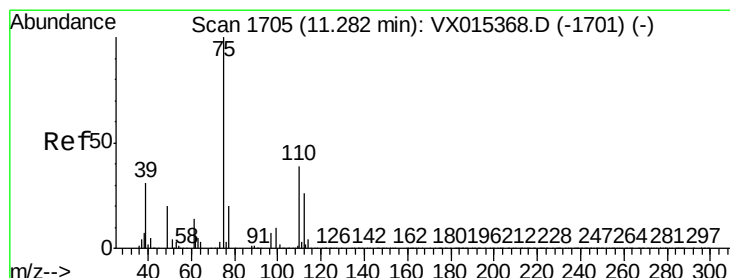
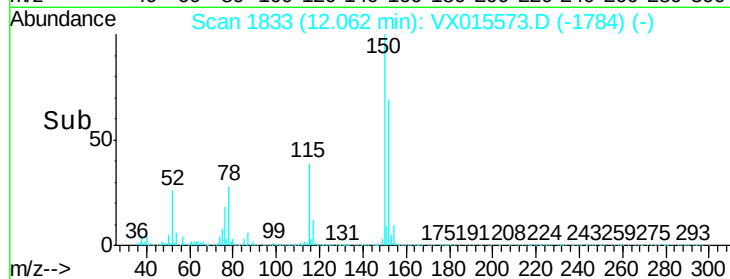
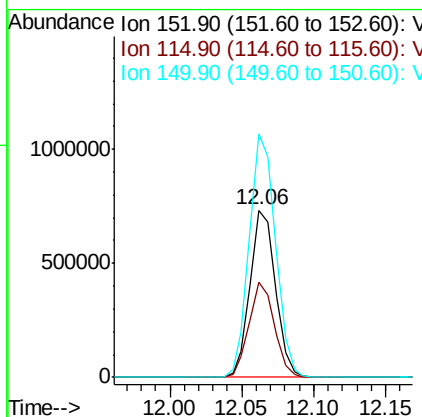
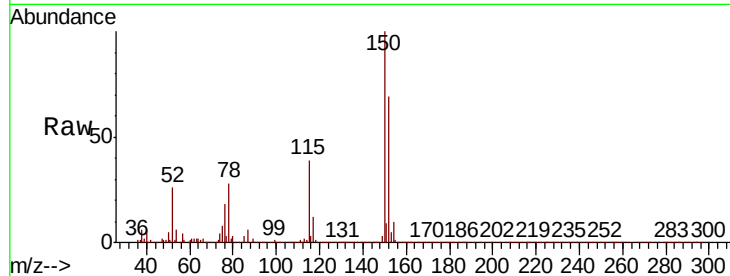




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX015573.D
 Acq: 08 Apr 2020 16:47

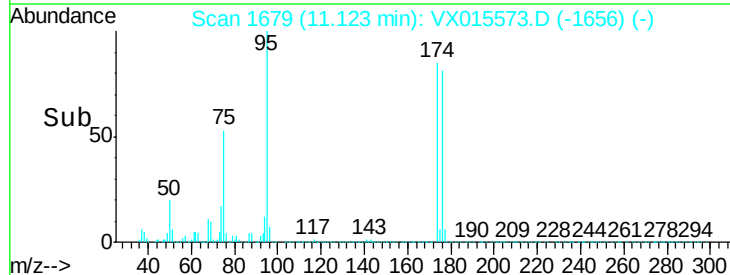
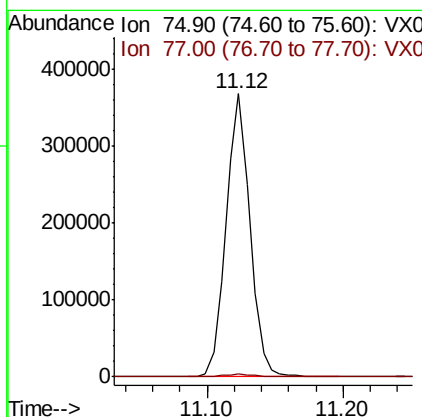
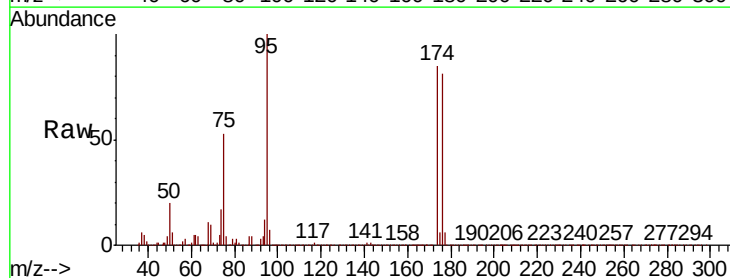
Instrument :
 MSVOA_X
 ClientSampled :
 M-16-200406

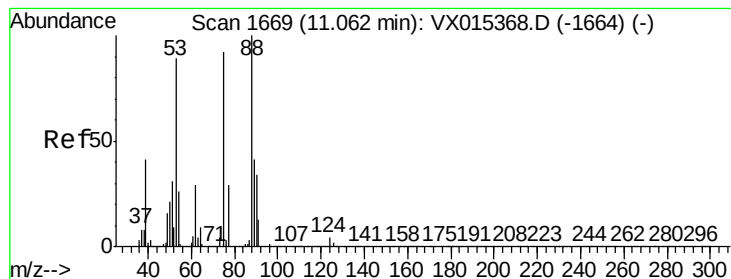
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.6	39.0	116.9
150	149.9	0.0	340.8



#76
 1,2,3-Trichloropropane
 Concen: 24.284 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015573.D
 Acq: 08 Apr 2020 16:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	21.2	63.6





#81

trans-1,4-Dichloro-2-butene

Concen: 58.269 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015573.D

Acq: 08 Apr 2020 16:47

Instrument :

MSVOA_X

ClientSampleId :

M-16-200406

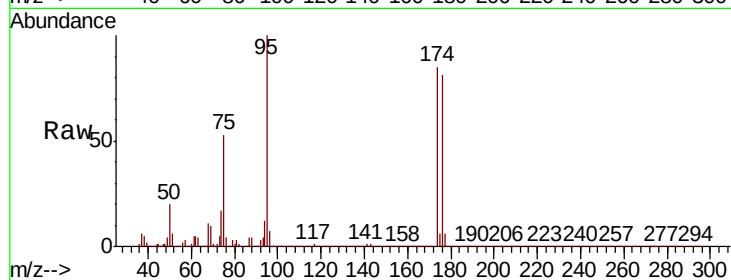
Tot Ion: 75 Resp: 446460

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

