

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041520\
 Data File : VX015679.D
 Acq On : 15 Apr 2020 13:44
 Operator : JC/SP
 Sample : L2233-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB4-200408

Quant Time: Apr 16 05:50:15 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	1070676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1679813	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1586119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	865230	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	660824	43.76	ug/l	0.00
Spiked Amount			Recovery	=	87.52%	
35) Dibromofluoromethane	5.47	113	516338	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
50) Toluene-d8	8.70	98	1979835	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	11.12	95	827749	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	

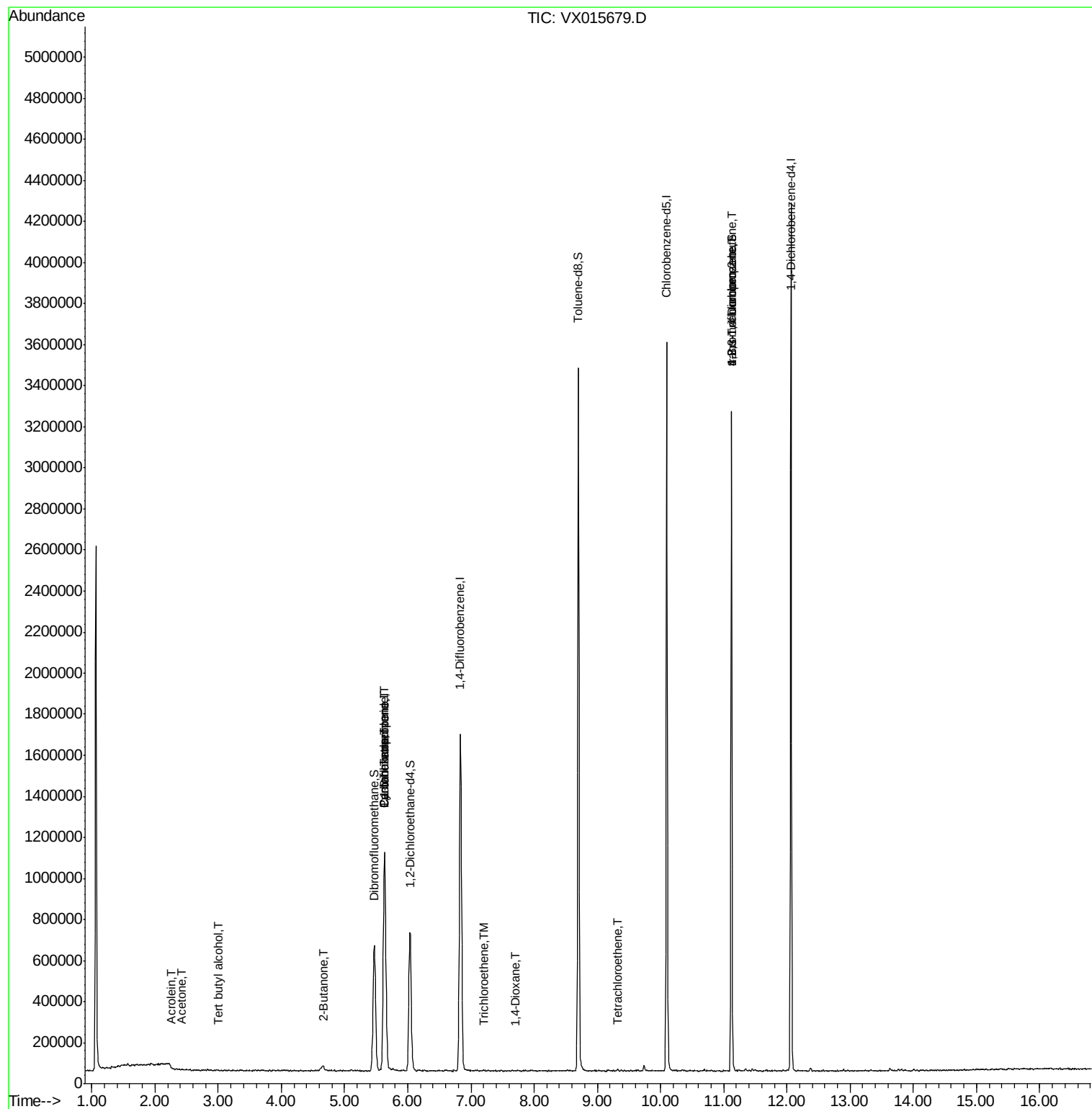
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	201	Below Cal	#	3
11) Tert butyl alcohol	3.01	59	1310	0.362	ug/l #	73
13) Acrolein	2.27	56	671	0.326	ug/l #	82
16) Acetone	2.42	43	1723	0.266	ug/l	93
25) 2-Butanone	4.66	43	4567	0.438	ug/l #	89
31) Cyclohexane	5.64	56	22278	1.165	ug/l #	26
36) 1,1-Dichloropropene	5.62	75	75813	4.898	ug/l #	53
38) Carbon Tetrachloride	5.63	117	100558	5.998	ug/l #	15
44) Trichloroethene	7.19	130	2480	0.201	ug/l	85
49) 1,4-Dioxane	7.70	88	352	1.110	ug/l #	1
64) Tetrachloroethene	9.32	164	2757	0.230	ug/l #	80
76) 1,2,3-Trichloropropane	11.12	75	423761	23.816	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	423761	57.147	ug/l #	10

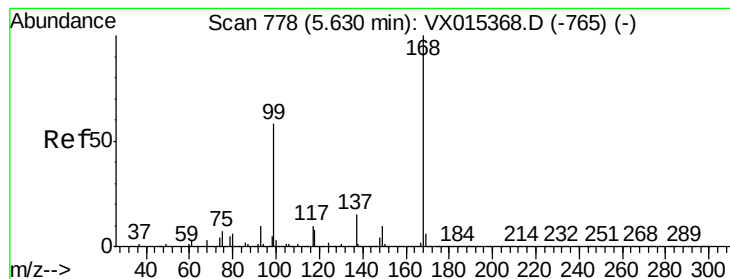
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015679.D

Acq: 15 Apr 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

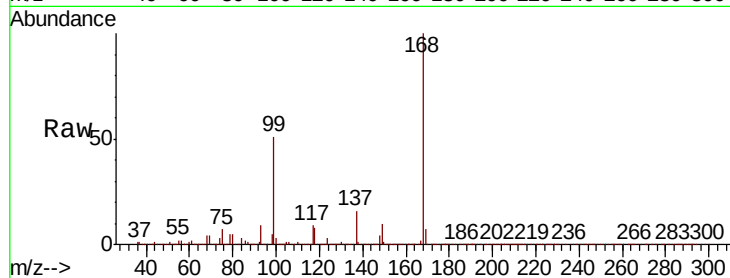
Z3-TB4-200408

Tot Ion:168 Resp: 1070676

Ion Ratio Lower Upper

168 100

99 51.4 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

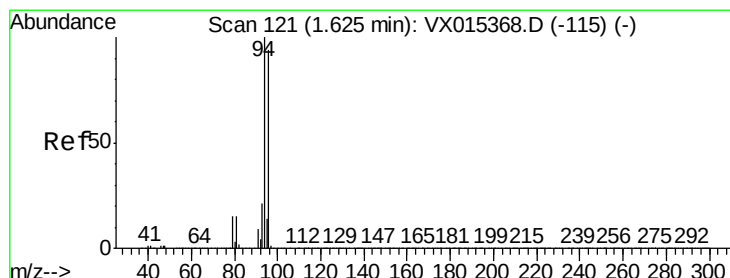
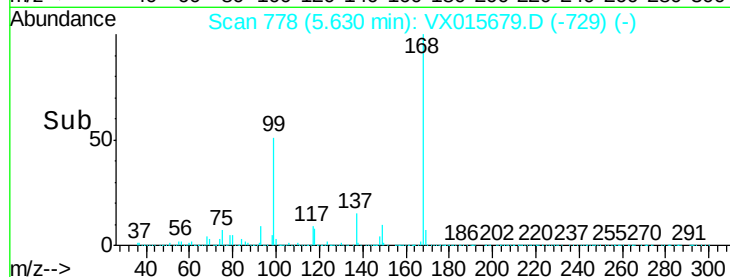
200000

100000

0

5.50 5.60 5.70

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 118

Delta R.T. -0.02 min

Lab File: VX015679.D

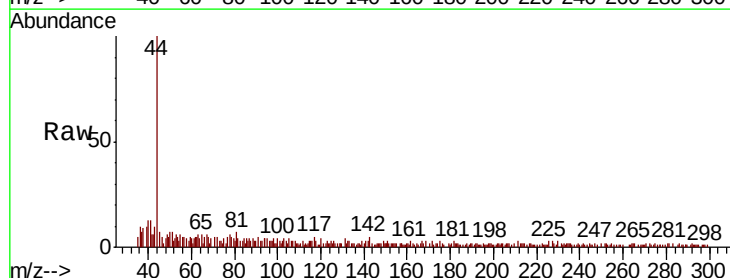
Acq: 15 Apr 2020 13:44

Tgt Ion: 94 Resp: 201

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

1.61

800

600

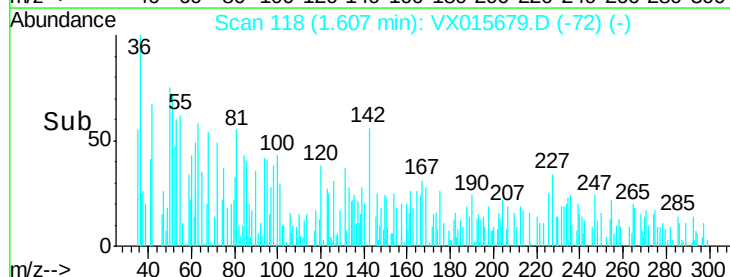
400

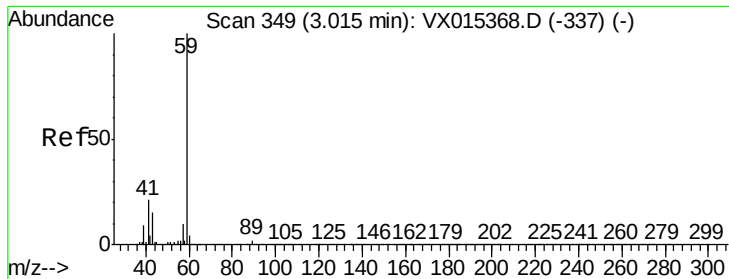
200

0

1.60 1.61 1.62

Time-->



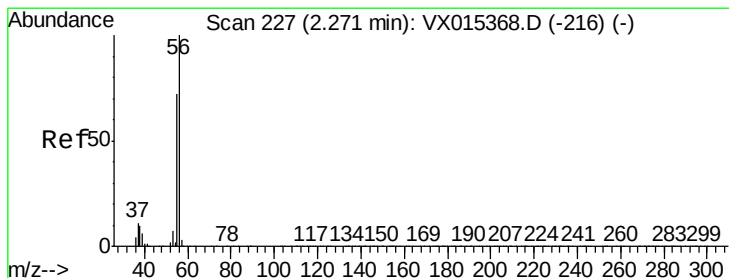
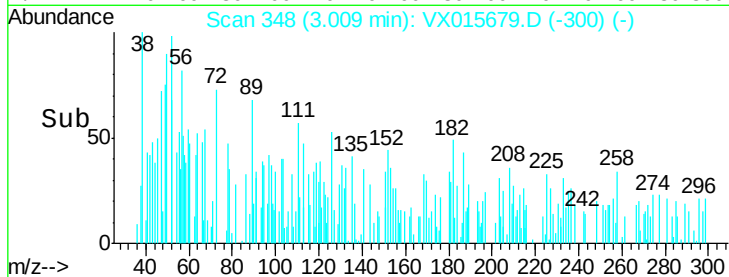
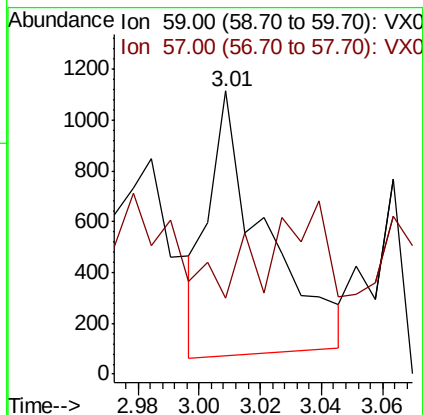
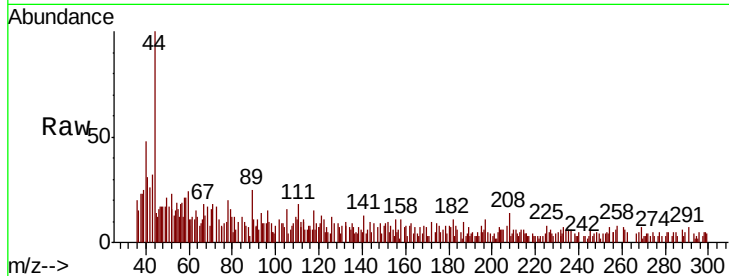


#11

Tert butyl alcohol
Concen: 0.362 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015679.D
Acq: 15 Apr 2020 13:44

Instrument :
MSVOA_X
ClientSampled :
Z3-TB4-200408

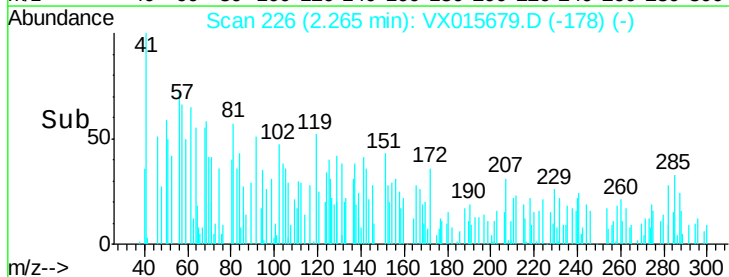
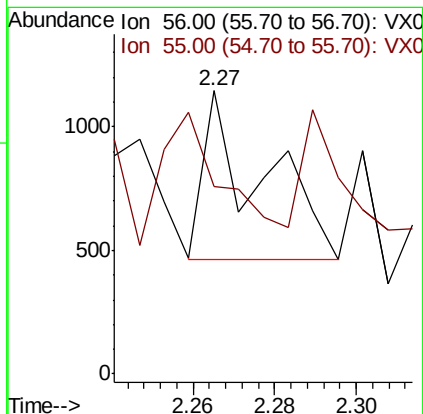
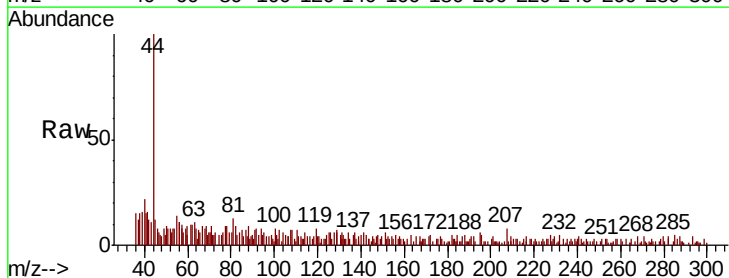
Tot Ion: 59 Resp: 1310
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

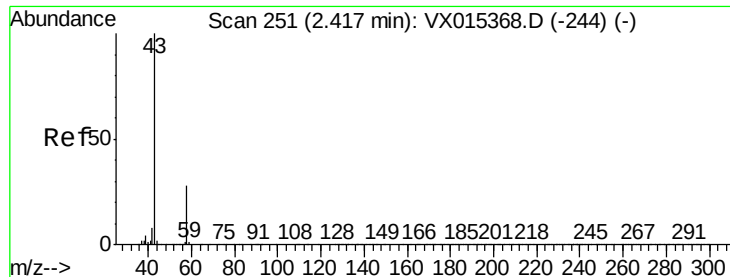


#13

Acrolein
Concen: 0.326 ug/l
RT: 2.27 min Scan# 226
Delta R.T. -0.01 min
Lab File: VX015679.D
Acq: 15 Apr 2020 13:44

Tgt Ion: 56 Resp: 671
Ion Ratio Lower Upper
56 100
55 86.1 57.0 85.4#

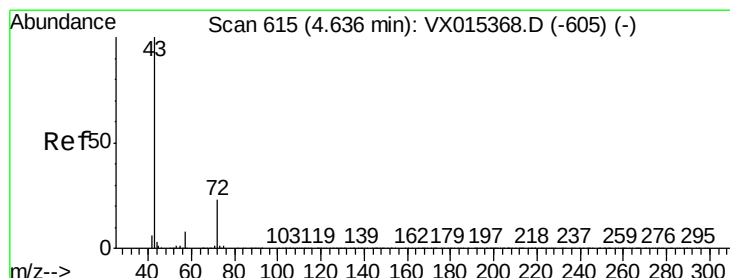
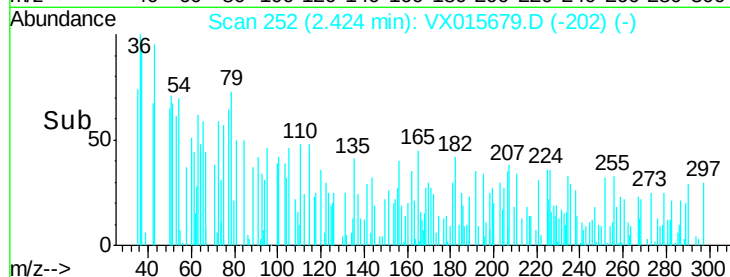
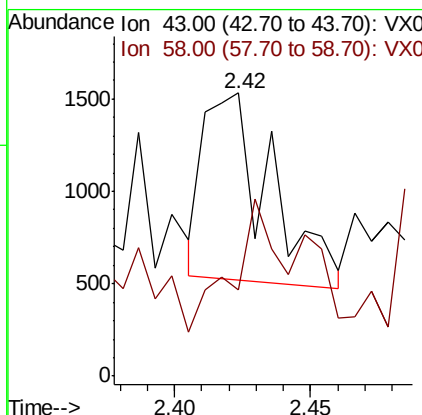
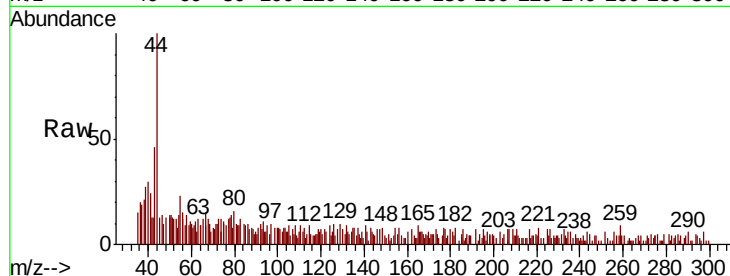




#16
Acetone
Concen: 0.266 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015679.D
Acq: 15 Apr 2020 13:44

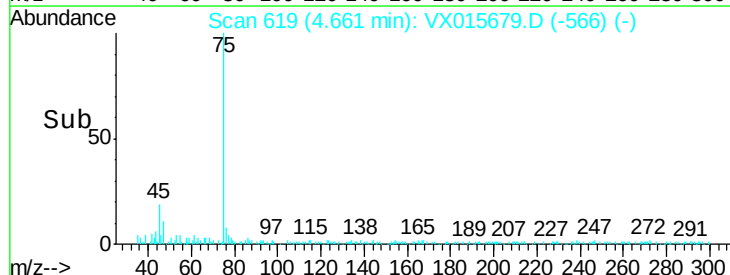
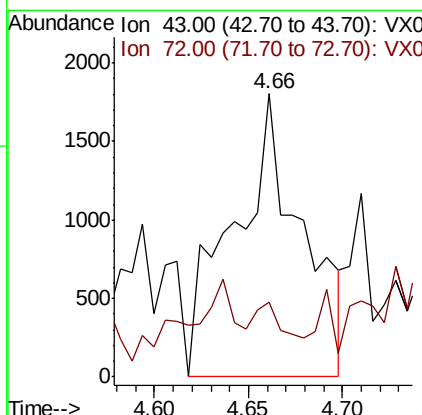
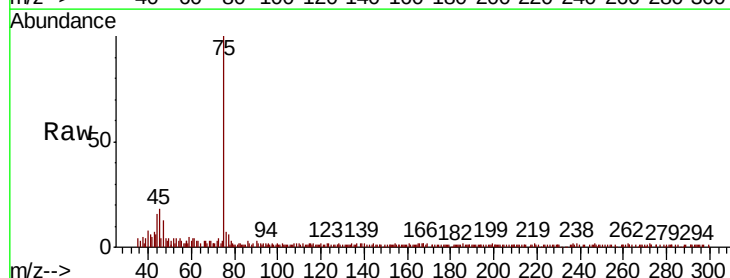
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB4-200408

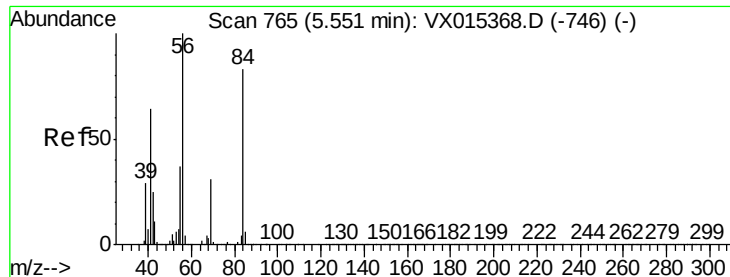
Tot Ion: 43 Resp: 1723
Ion Ratio Lower Upper
43 100
58 23.8 22.1 33.1



#25
2-Butanone
Concen: 0.438 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.02 min
Lab File: VX015679.D
Acq: 15 Apr 2020 13:44

Tgt Ion: 43 Resp: 4567
Ion Ratio Lower Upper
43 100
72 18.1 19.0 28.4#

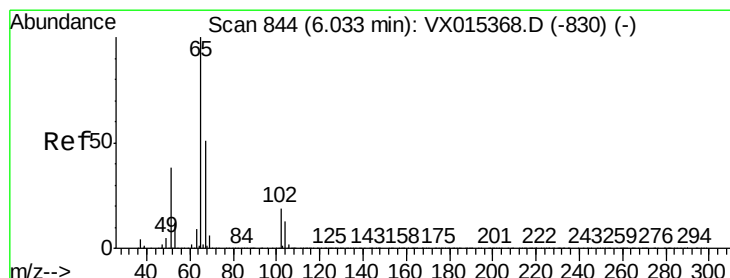
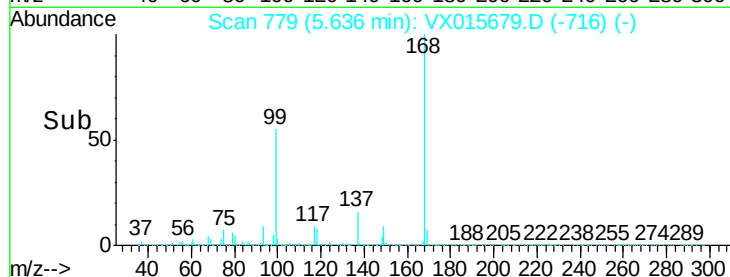
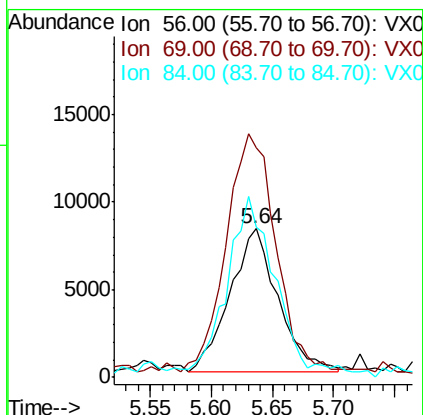
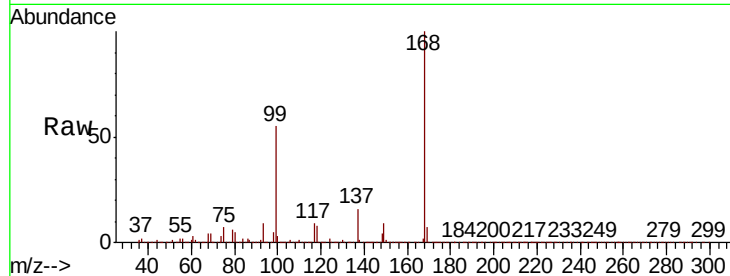




#31
Cyclohexane
Concen: 1.165 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.09 min
Lab File: VX015679.D
Acq: 15 Apr 2020 13:44

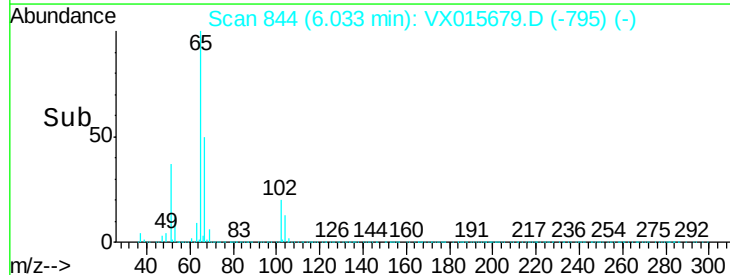
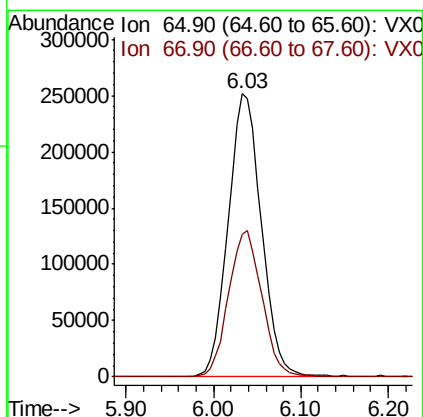
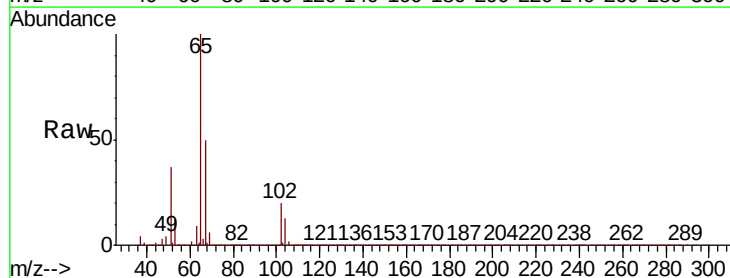
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB4-200408

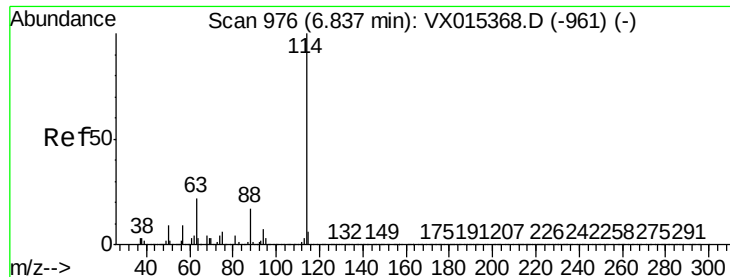
Tot Ion: 56 Resp: 22278
Ion Ratio Lower Upper
56 100
69 151.4 24.6 36.8#
84 99.8 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 43.761 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015679.D
Acq: 15 Apr 2020 13:44

Tgt Ion: 65 Resp: 660824
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015679.D

Acq: 15 Apr 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB4-200408

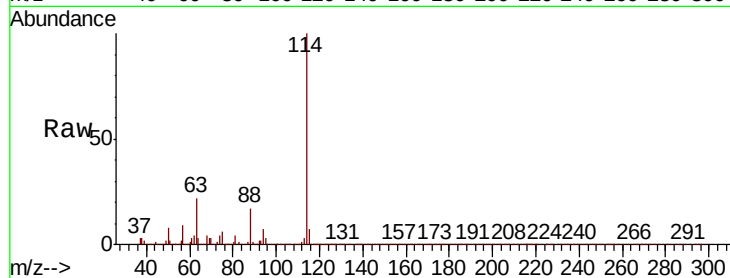
Tot Ion:114 Resp: 1679813

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.2

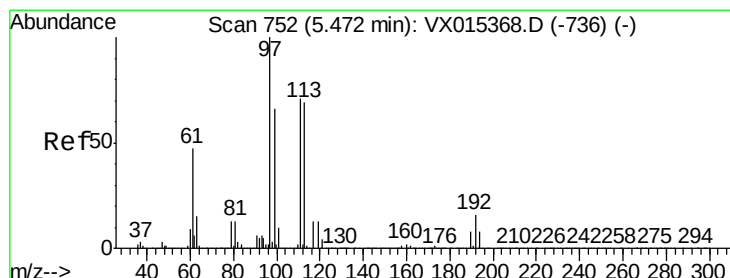
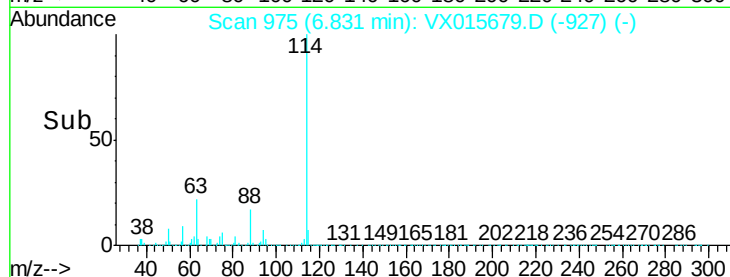
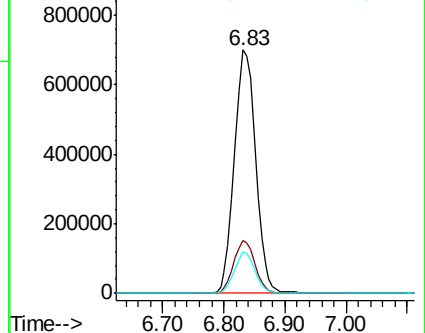
88 17.0 0.0 33.8



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: 48.086 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015679.D

Acq: 15 Apr 2020 13:44

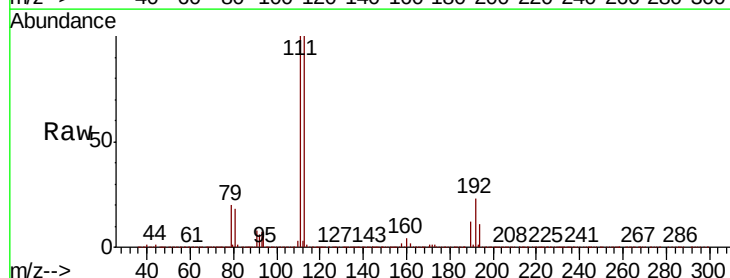
Tgt Ion:113 Resp: 516338

Ion Ratio Lower Upper

113 100

111 101.4 81.5 122.3

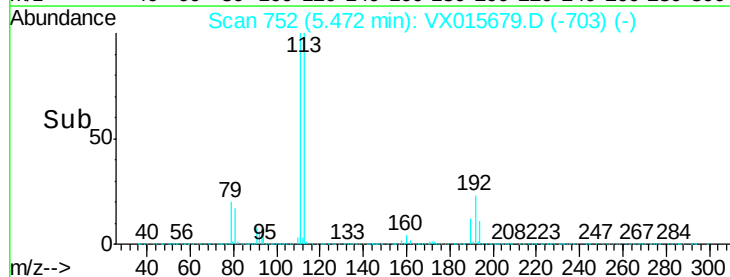
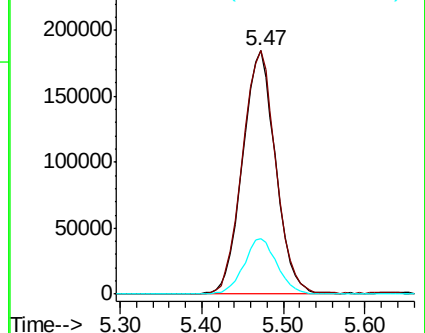
192 23.1 17.8 26.6

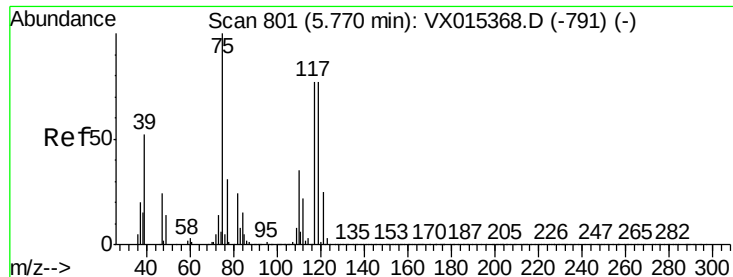


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

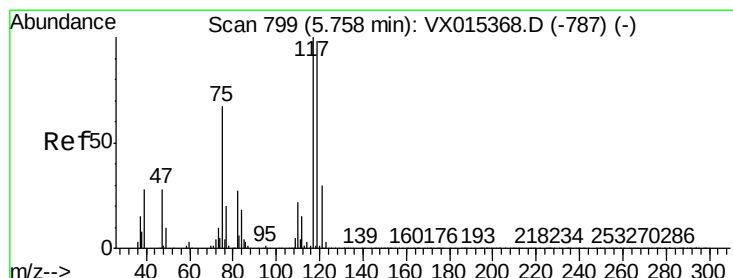
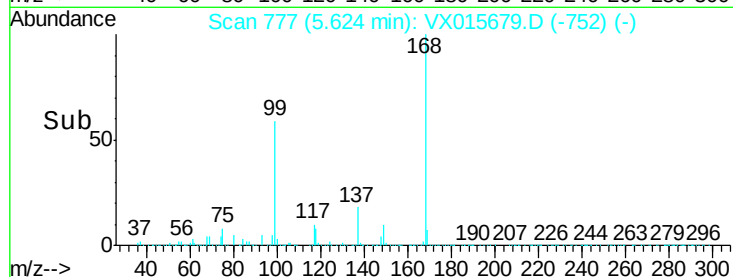
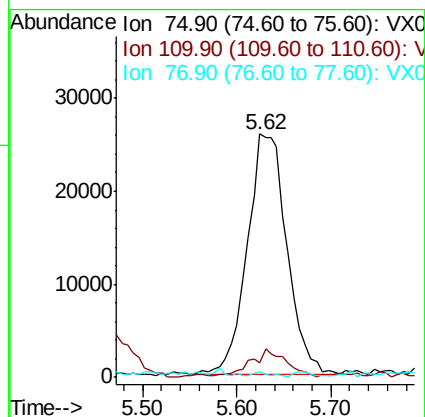
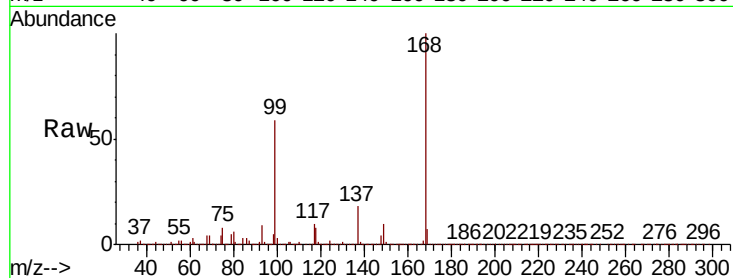




#36
 1,1-Dichloropropene
 Concen: 4.898 ug/l
 RT: 5.62 min Scan# 777
 Delta R.T. -0.15 min
 Lab File: VX015679.D
 Acq: 15 Apr 2020 13:44

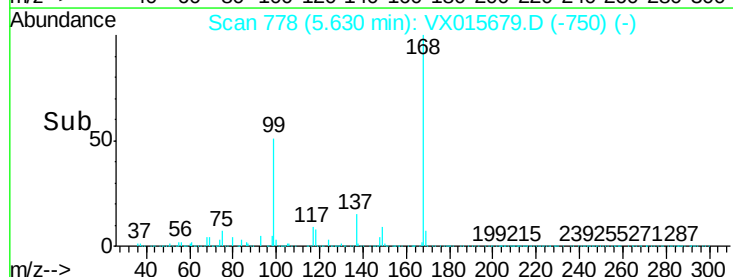
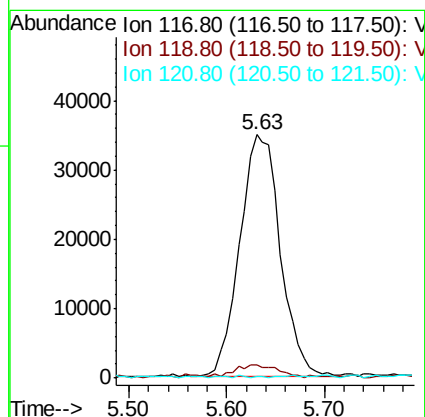
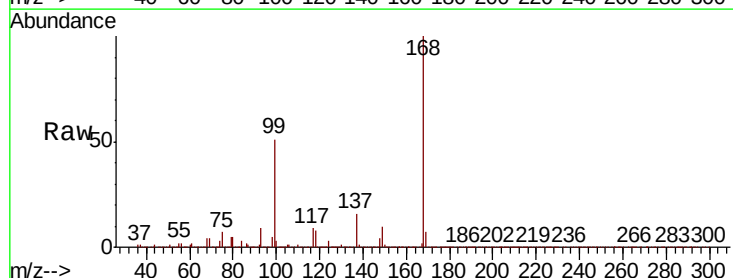
Instrument :
 MSVOA_X
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 Z3-TB4-200408

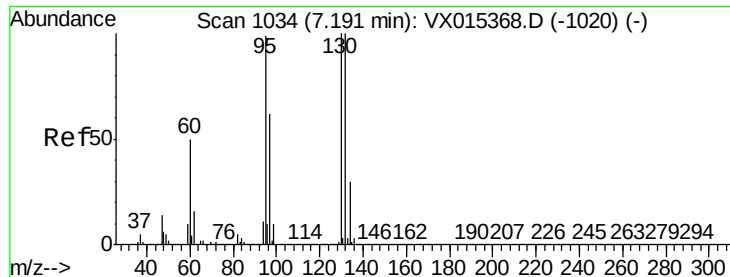
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.1	51.3#
77	1.2	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.998 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015679.D
 Acq: 15 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.0	117.0#
121	0.0	23.8	35.8#





#44

Trichloroethene

Concen: 0.201 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015679.D

Acq: 15 Apr 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

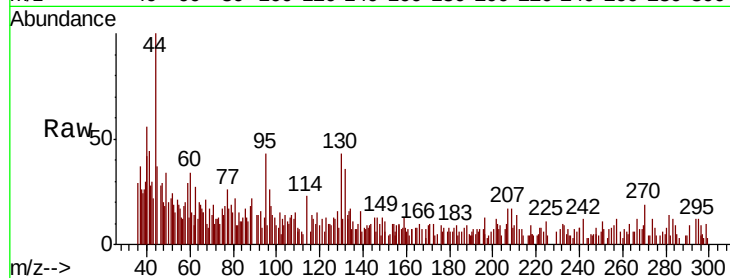
Z3-TB4-200408

Tot Ion:130 Resp: 2480

Ion Ratio Lower Upper

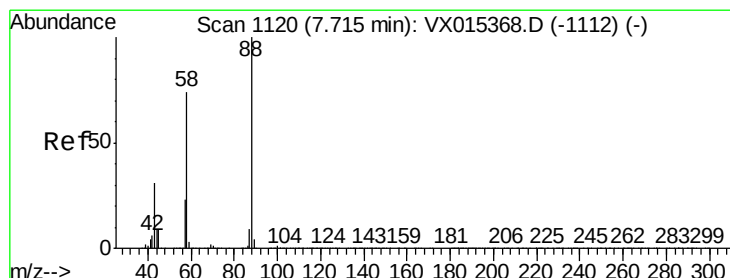
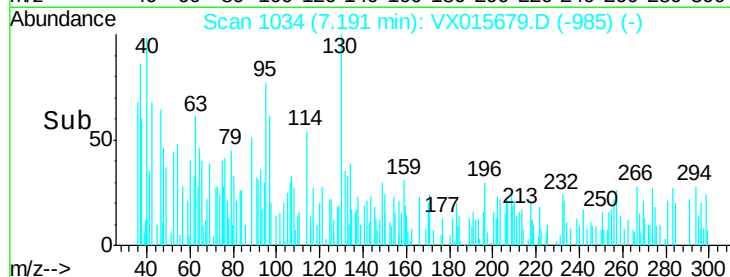
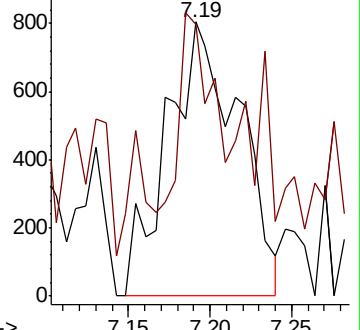
130 100

95 84.2 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: 1.110 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VX015679.D

Acq: 15 Apr 2020 13:44

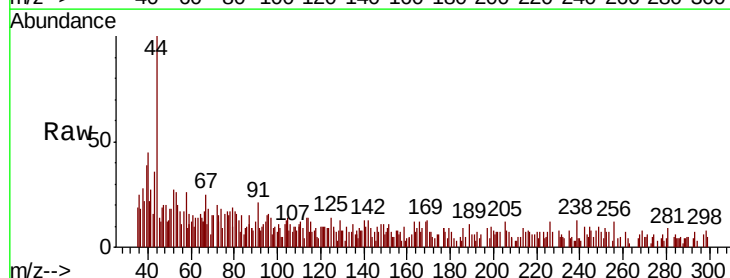
Tgt Ion: 88 Resp: 352

Ion Ratio Lower Upper

88 100

43 87.2 30.1 45.1#

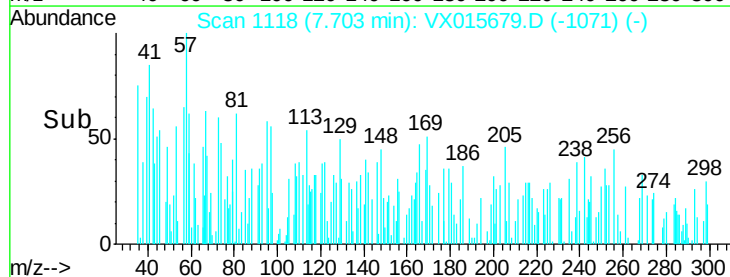
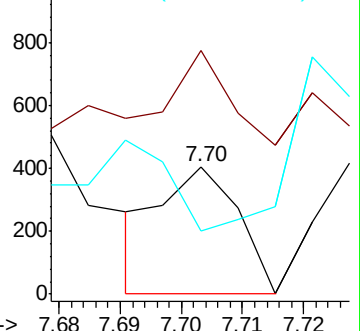
58 175.6 60.6 90.8#

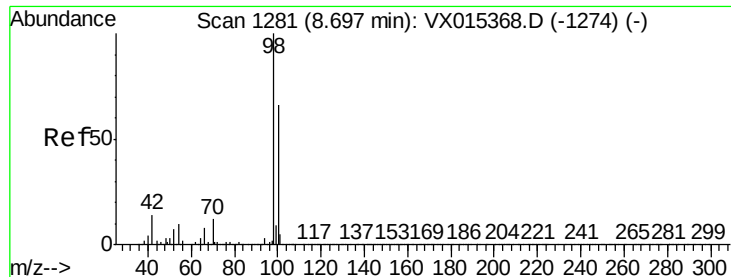


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.080 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015679.D

Acq: 15 Apr 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

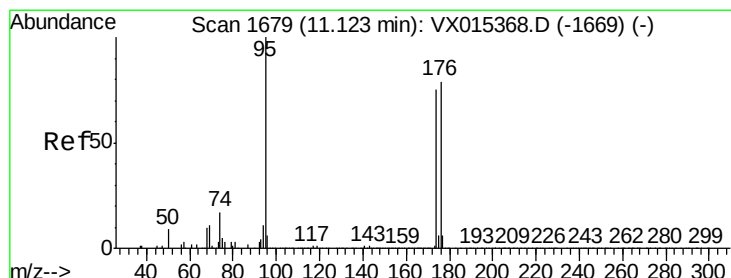
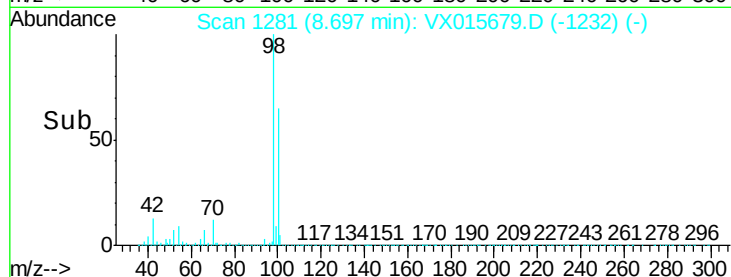
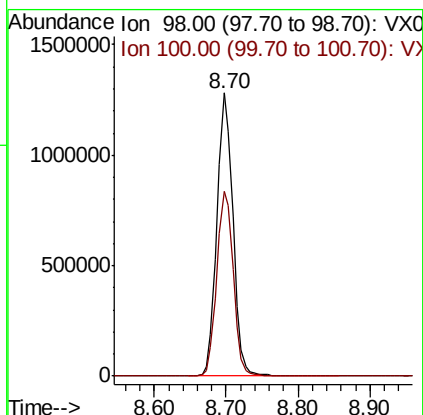
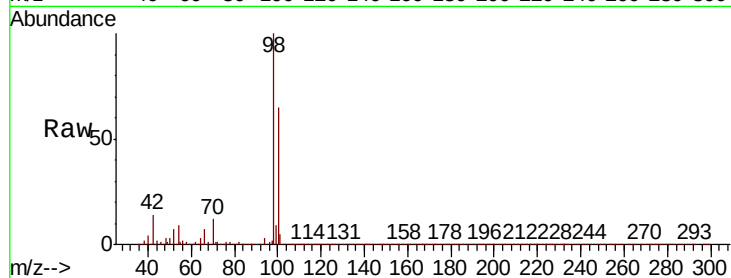
Z3-TB4-200408

Tot Ion: 98 Resp: 1979835

Ion Ratio Lower Upper

98 100

100 67.4 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 51.520 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015679.D

Acq: 15 Apr 2020 13:44

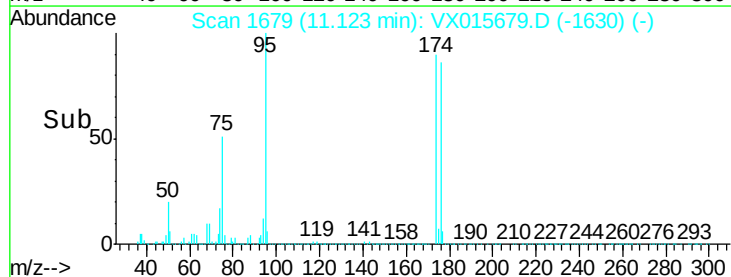
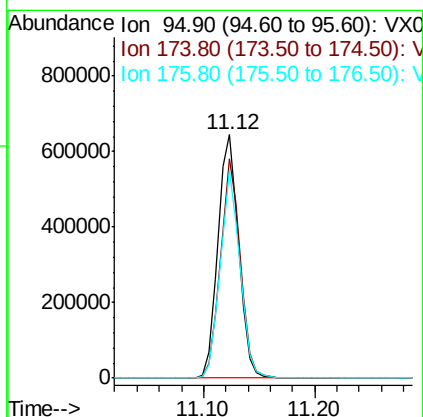
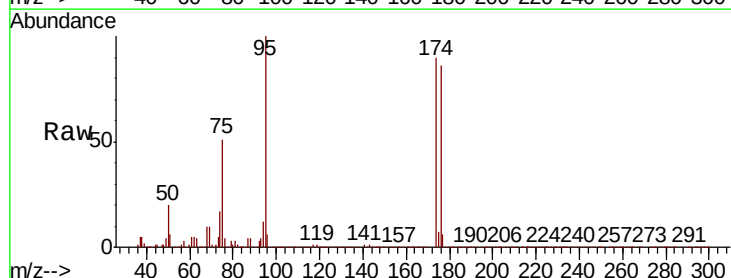
Tgt Ion: 95 Resp: 827749

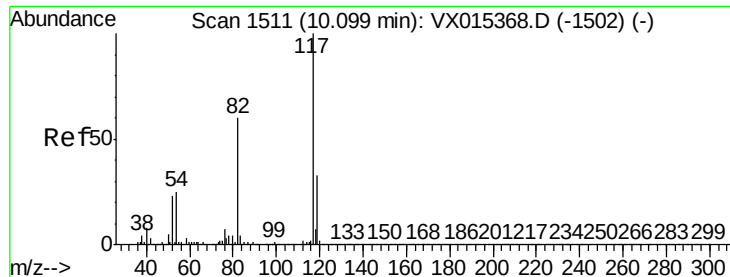
Ion Ratio Lower Upper

95 100

174 86.7 0.0 158.6

176 81.8 0.0 159.0

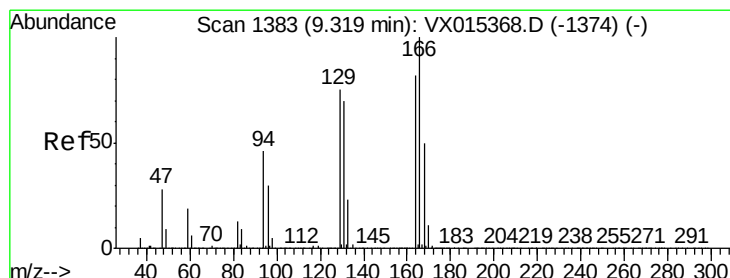
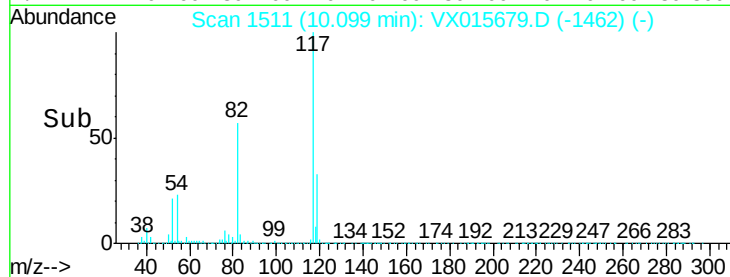
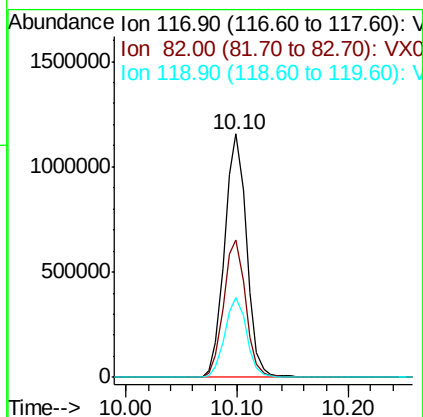
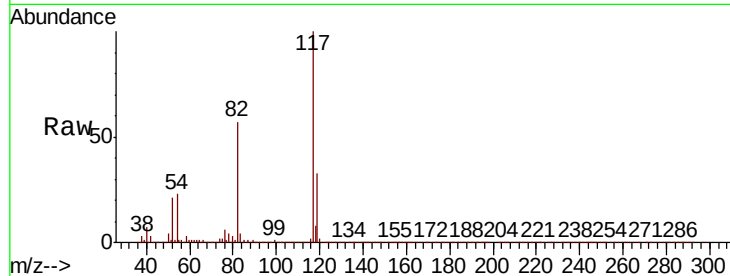




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015679.D
Acq: 15 Apr 2020 13:44

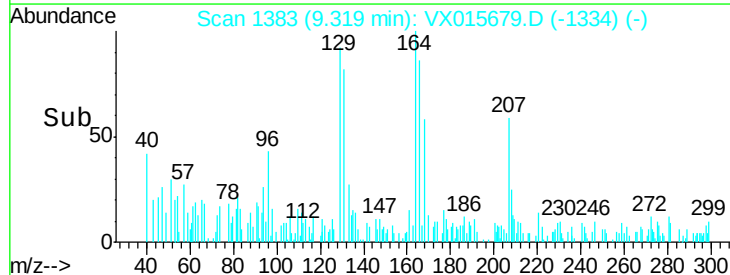
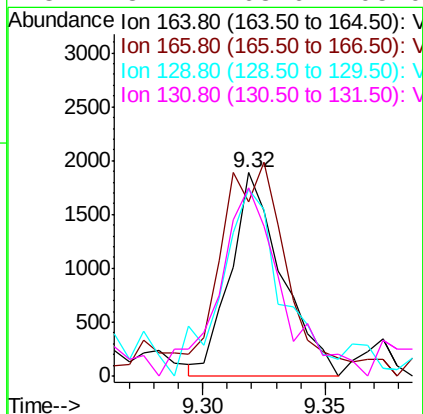
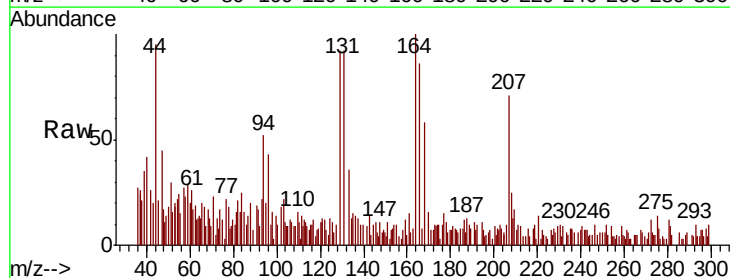
Instrument :
MSVOA_X
ClientSampled :
Z3-TB4-200408

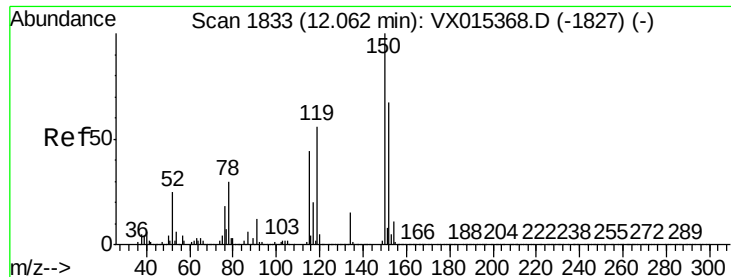
Tot Ion:117 Resp: 1586119
Ion Ratio Lower Upper
117 100
82 56.6 47.8 71.8
119 32.9 26.8 40.2



#64
Tetrachloroethene
Concen: 0.230 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015679.D
Acq: 15 Apr 2020 13:44

Tgt Ion:164 Resp: 2757
Ion Ratio Lower Upper
164 100
166 76.7 97.8 146.6#
129 83.9 73.0 109.4
131 81.4 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: VX015679.D

Acq: 15 Apr 2020 13:44

Instrument :

MSVOA_X

ClientSampled :

Z3-TB4-200408

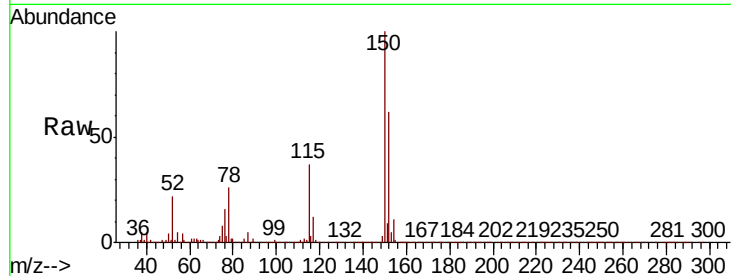
Tot Ion:152 Resp: 865230

Ion Ratio Lower Upper

152 100

115 56.3 39.0 116.9

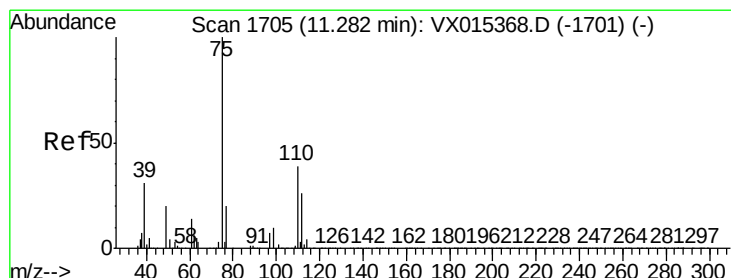
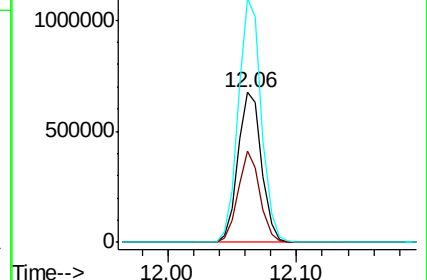
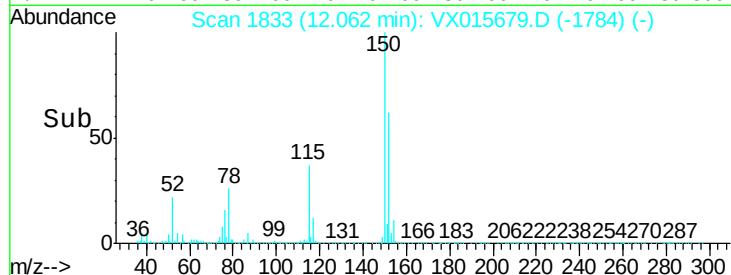
150 157.7 0.0 340.8



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: 23.816 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015679.D

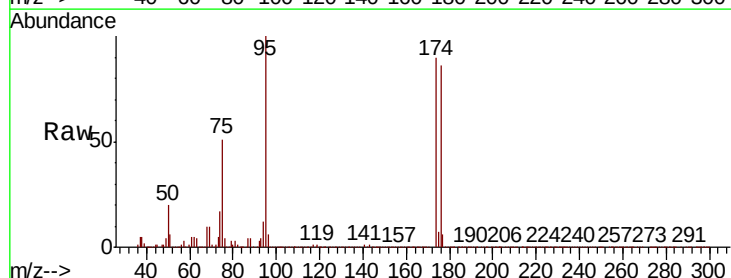
Acq: 15 Apr 2020 13:44

Tgt Ion: 75 Resp: 423761

Ion Ratio Lower Upper

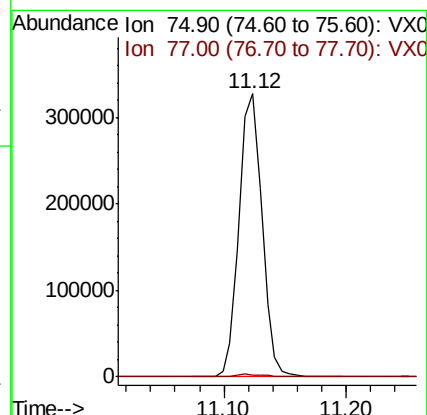
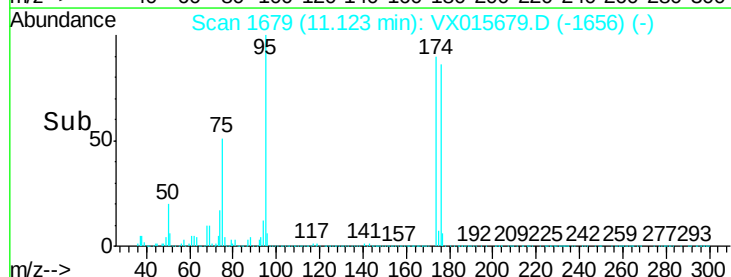
75 100

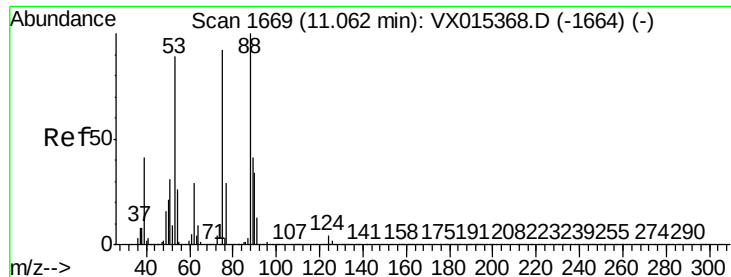
77 1.2 21.2 63.6#



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: 57.147 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015679.D

Acq: 15 Apr 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB4-200408

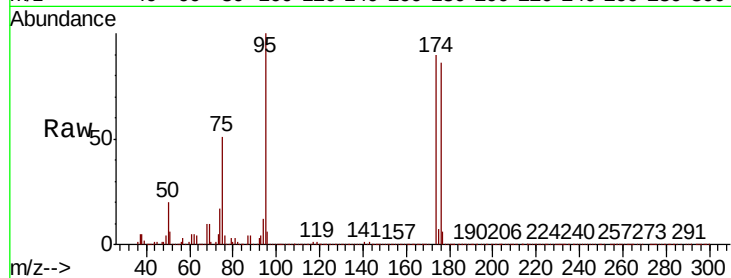
Tot Ion: 75 Resp: 423761

Ion Ratio Lower Upper

75 100

53 0.2 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

