

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041520\
 Data File : VX015688.D
 Acq On : 15 Apr 2020 17:08
 Operator : JC/SP
 Sample : L2233-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-DUP-0544-200409

Quant Time: Apr 16 05:55:30 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	1072643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1668221	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1591869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	870503	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	653049	43.17	ug/l	0.00
Spiked Amount			Recovery	=	86.34%	
35) Dibromofluoromethane	5.47	113	505900	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	8.70	98	1949725	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.12	95	828683	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	

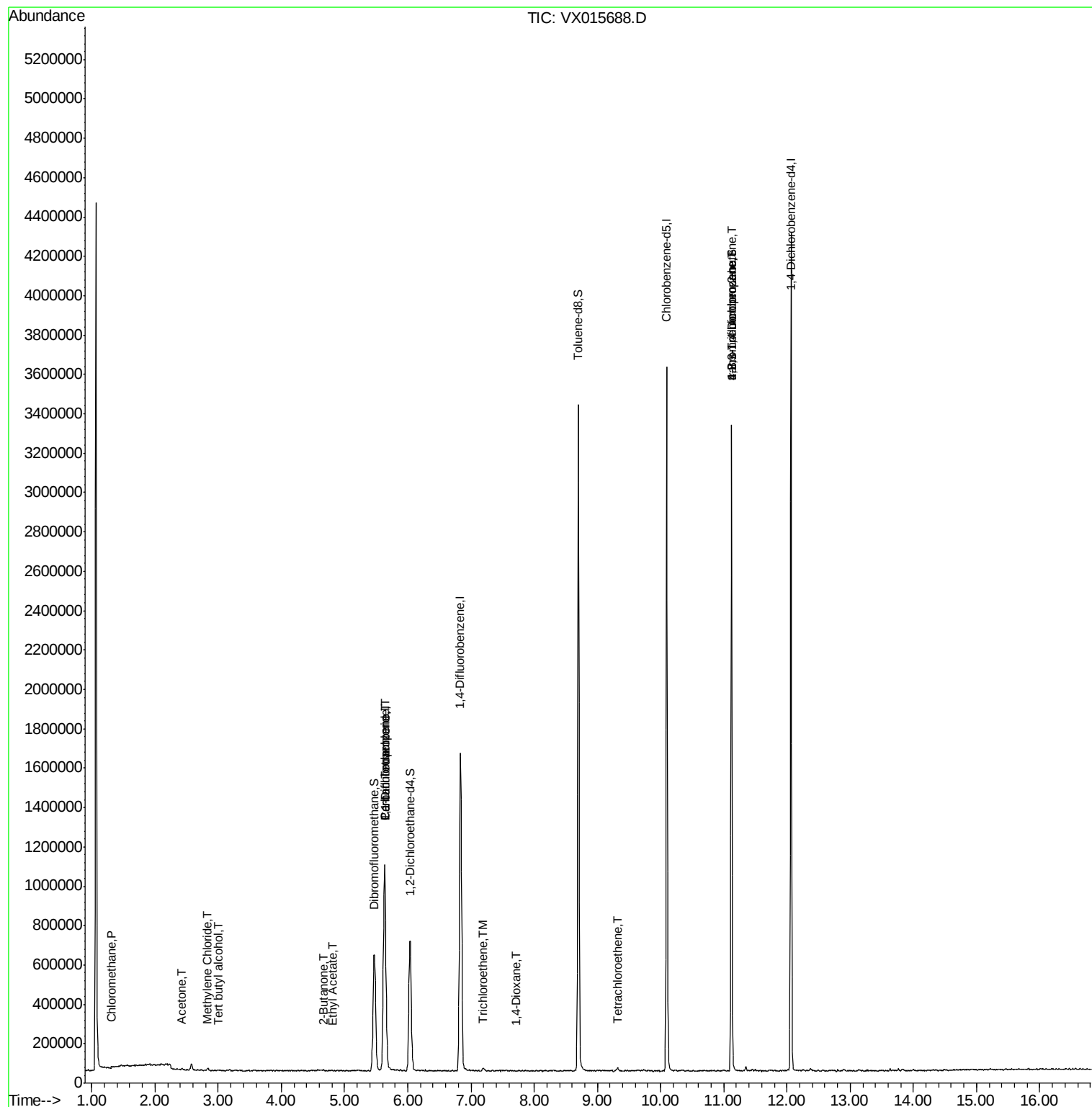
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3713	0.309	ug/l	94
5) Bromomethane	1.63	94	1091	Below Cal	#	4
11) Tert butyl alcohol	3.00	59	956	0.264	ug/l #	1
16) Acetone	2.42	43	9130	1.405	ug/l #	87
20) Methylene Chloride	2.84	84	6247	0.515	ug/l #	77
25) 2-Butanone	4.66	43	2115	0.202	ug/l	98
36) 1,1-Dichloropropene	5.64	75	72290	4.703	ug/l #	54
37) Ethyl Acetate	4.81	43	7714	0.385	ug/l #	87
38) Carbon Tetrachloride	5.64	117	98105	5.893	ug/l #	15
44) Trichloroethene	7.20	130	7285	0.593	ug/l	86
49) 1,4-Dioxane	7.72	88	356	1.131	ug/l #	1
64) Tetrachloroethene	9.32	164	2793	0.232	ug/l #	78
76) 1,2,3-Trichloropropane	11.12	75	417409	23.317	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	417409	55.949	ug/l #	10

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

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Quant Title : SW846 8260
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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: VX015688.D

Acq: 15 Apr 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

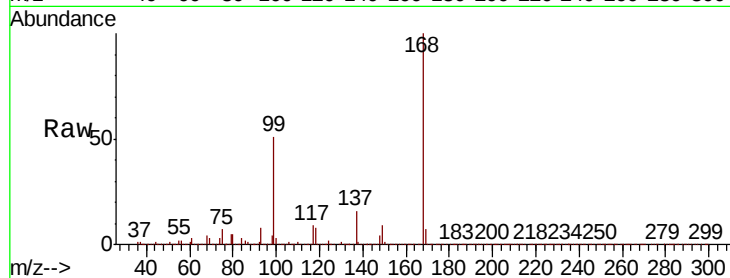
Z3-DUP-0544-200409

Tot Ion:168 Resp: 1072643

Ion Ratio Lower Upper

168 100

99 51.2 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

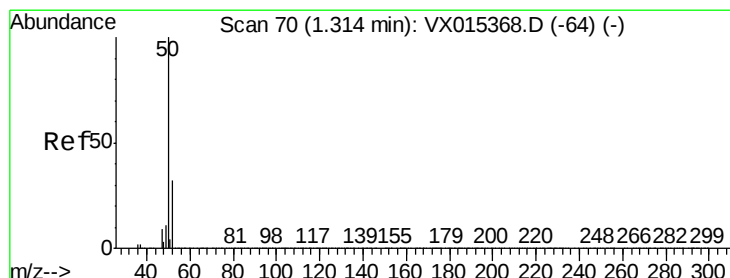
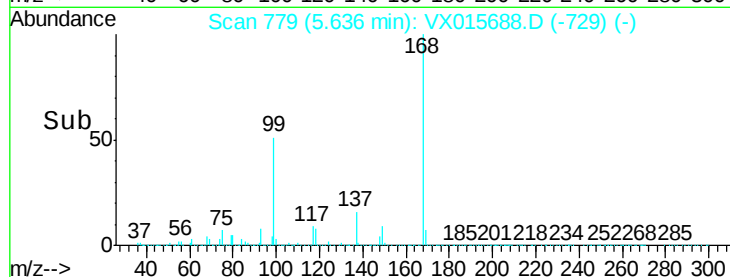
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.309 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015688.D

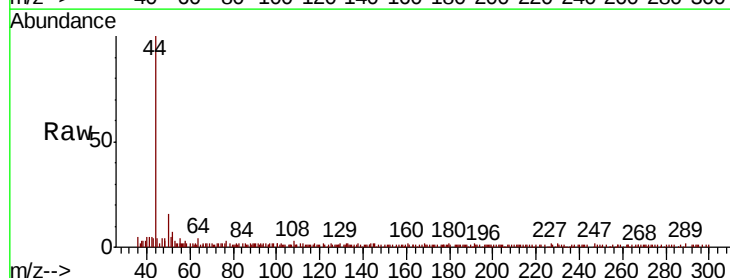
Acq: 15 Apr 2020 17:08

Tgt Ion: 50 Resp: 3713

Ion Ratio Lower Upper

50 100

52 35.0 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

3000

2500

2000

1500

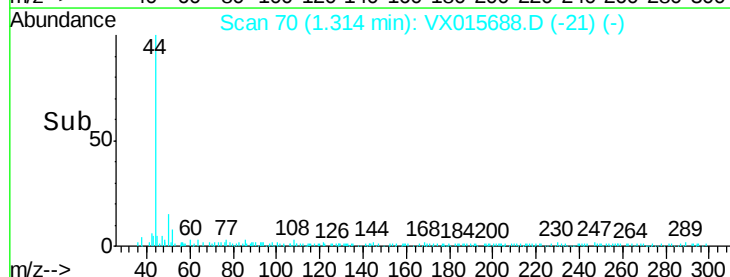
1000

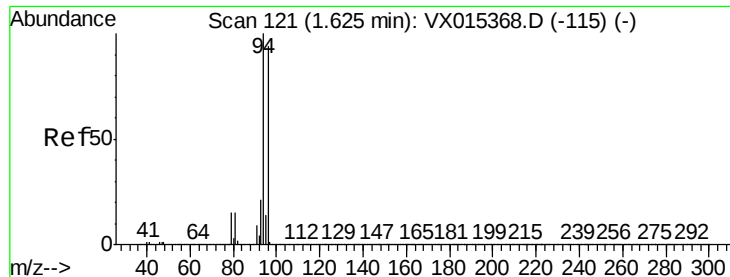
500

0

1.25 1.30 1.35 1.40

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015688.D

Acq: 15 Apr 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

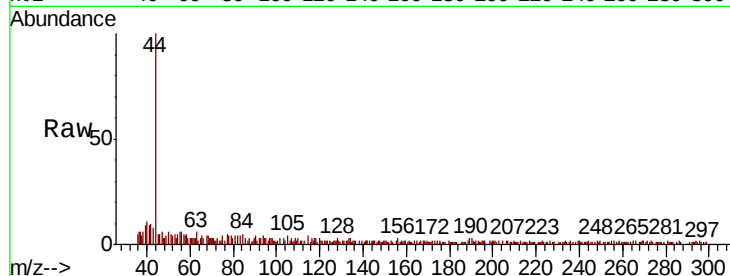
Z3-DUP-0544-200409

Tot Ion: 94 Resp: 1091

Ion Ratio Lower Upper

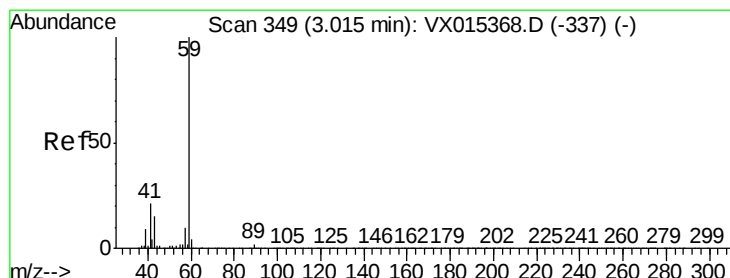
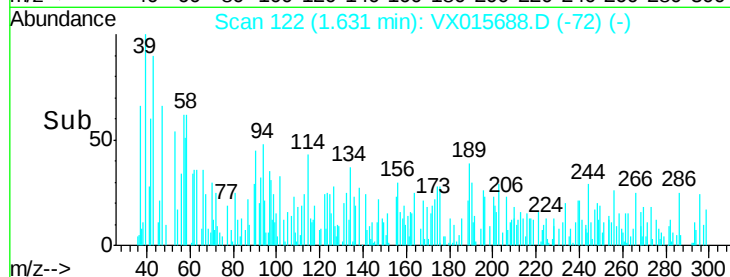
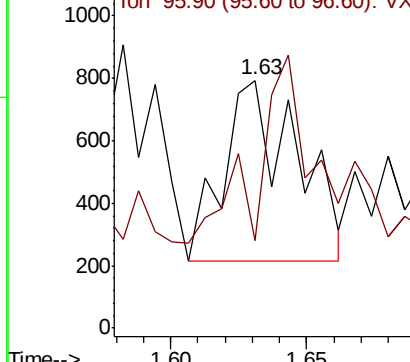
94 100

96 1.2 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: 0.264 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.01 min

Lab File: VX015688.D

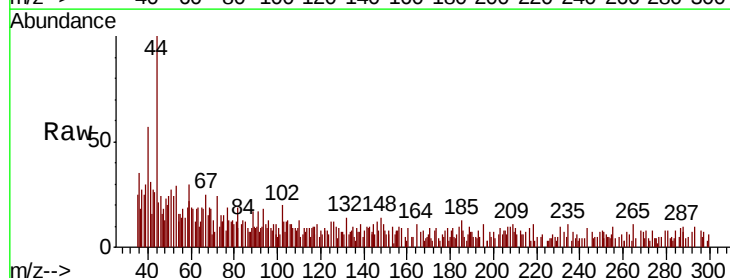
Acq: 15 Apr 2020 17:08

Tgt Ion: 59 Resp: 956

Ion Ratio Lower Upper

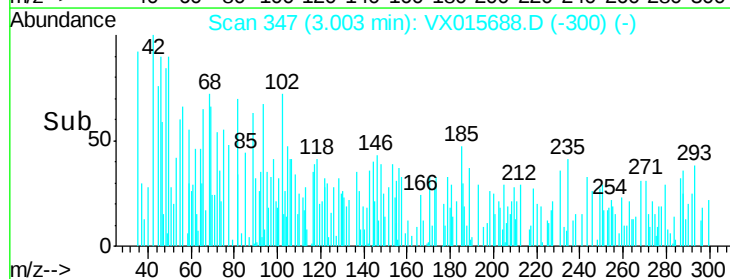
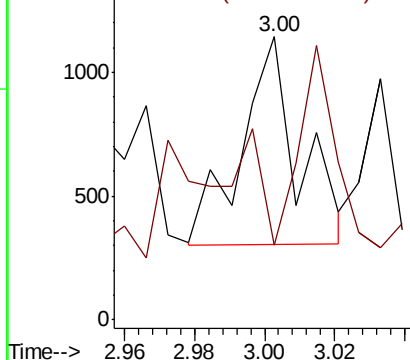
59 100

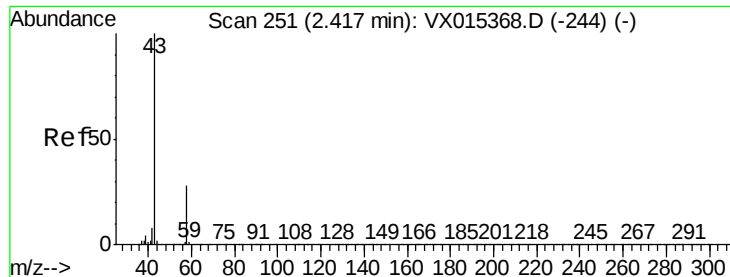
57 63.4 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 1.405 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015688.D

Acq: 15 Apr 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

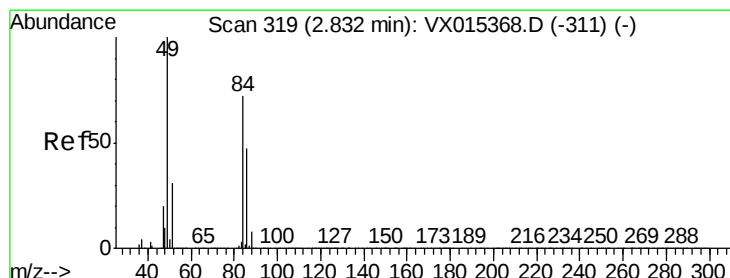
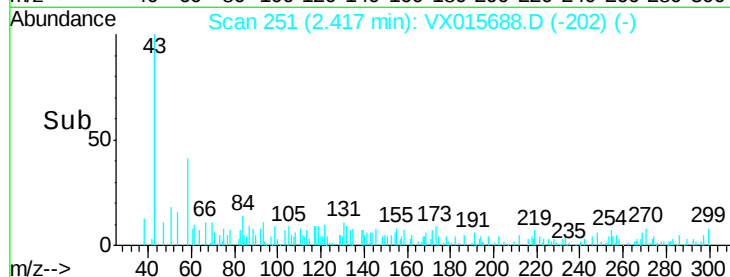
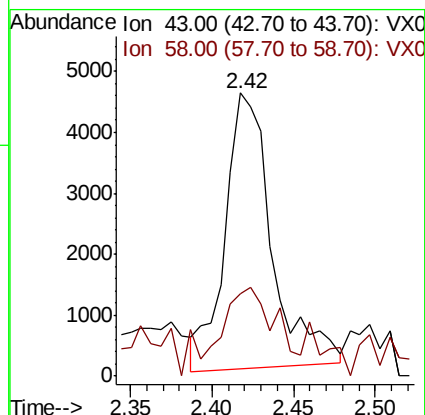
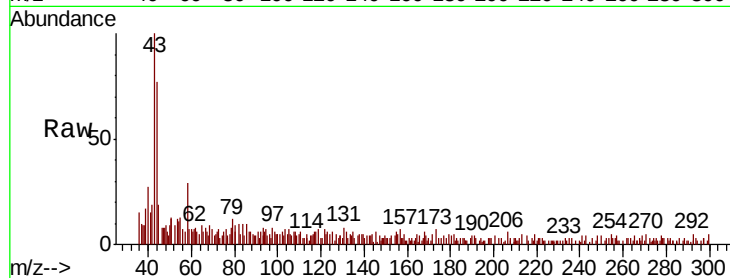
Z3-DUP-0544-200409

Tot Ion: 43 Resp: 9130

Ion Ratio Lower Upper

43 100

58 20.6 22.1 33.1#



#20

Methylene Chloride

Concen: 0.515 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.01 min

Lab File: VX015688.D

Acq: 15 Apr 2020 17:08

Tgt Ion: 84 Resp: 6247

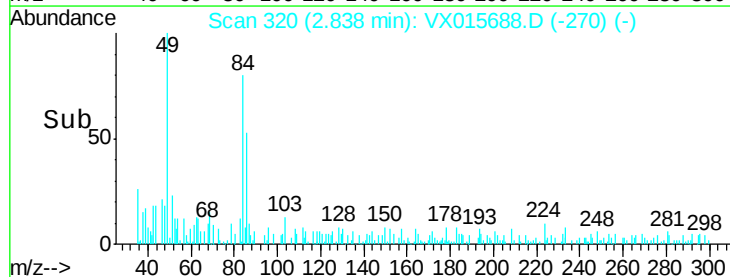
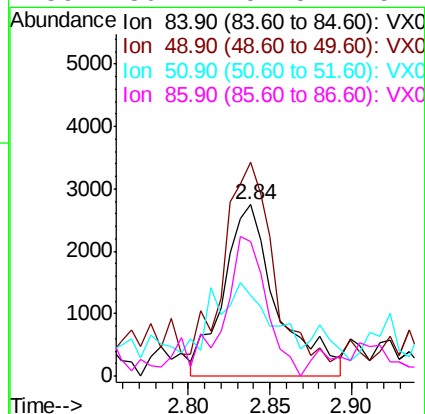
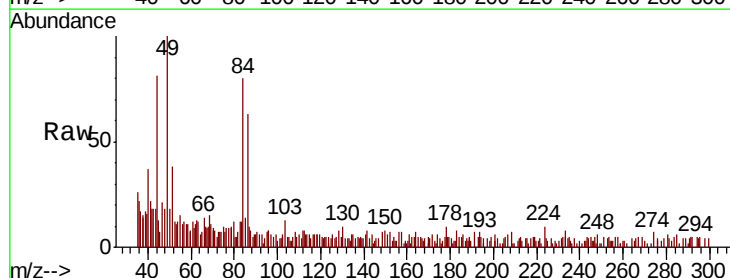
Ion Ratio Lower Upper

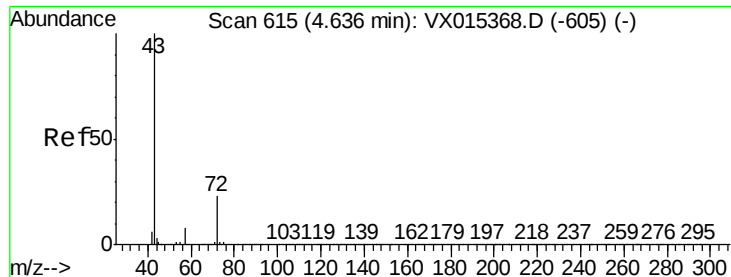
84 100

49 105.0 111.3 166.9#

51 34.3 34.0 51.0

86 80.1 52.5 78.7#





#25

2-Butanone

Concen: 0.202 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.02 min

Lab File: VX015688.D

Acq: 15 Apr 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

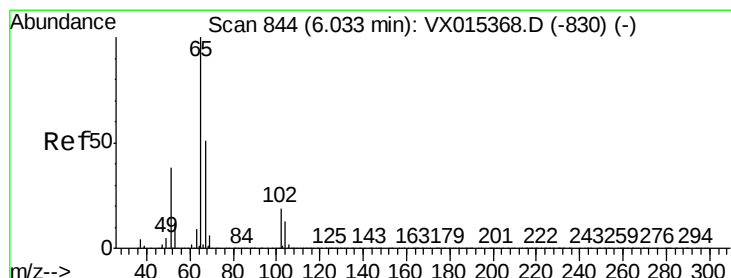
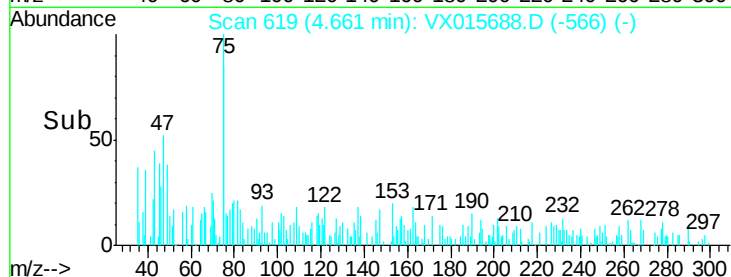
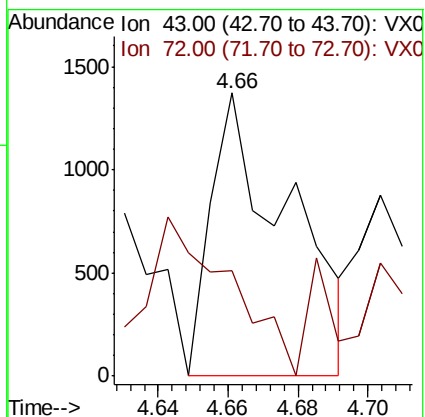
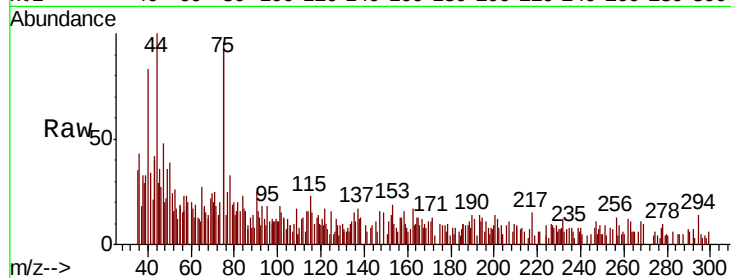
Z3-DUP-0544-200409

Tot Ion: 43 Resp: 2115

Ion Ratio Lower Upper

43 100

72 24.6 19.0 28.4



#33

1,2-Dichloroethane-d4

Concen: 43.167 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015688.D

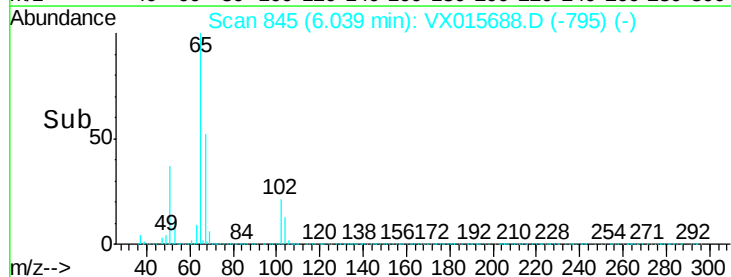
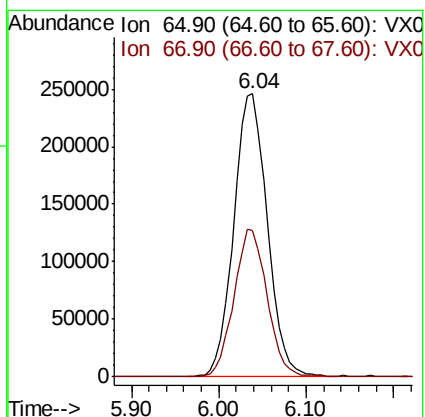
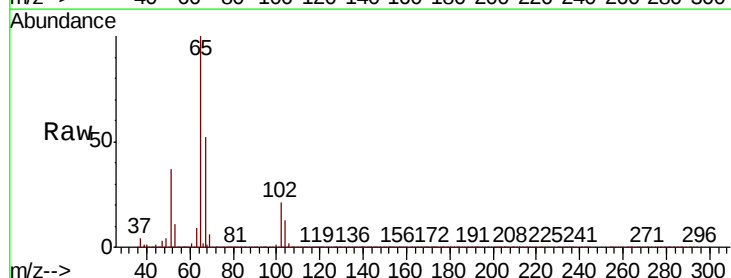
Acq: 15 Apr 2020 17:08

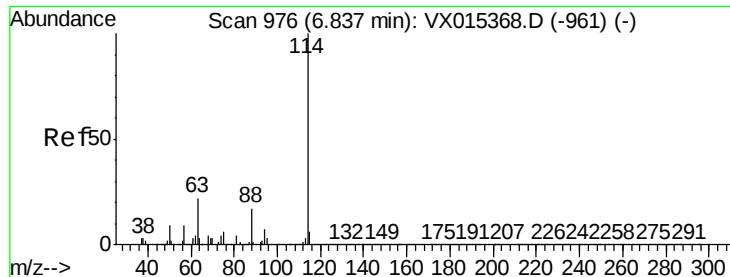
Tgt Ion: 65 Resp: 653049

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: VX015688.D

Acq: 15 Apr 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0544-200409

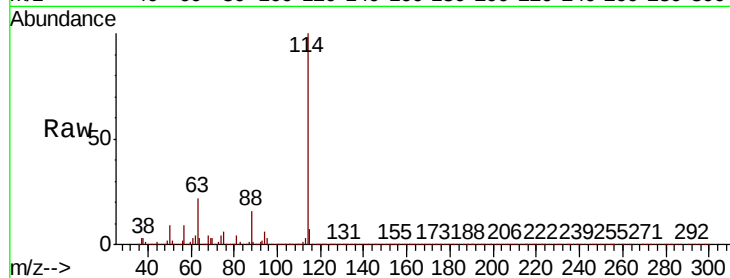
Tot Ion:114 Resp: 1668221

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.2

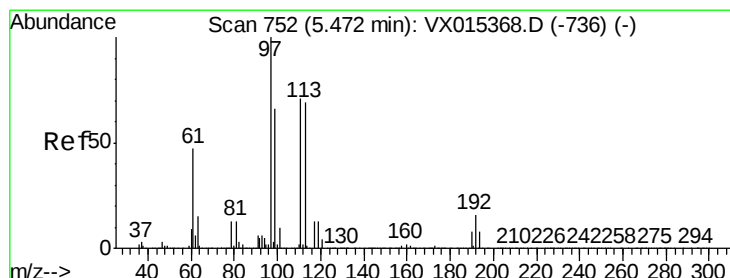
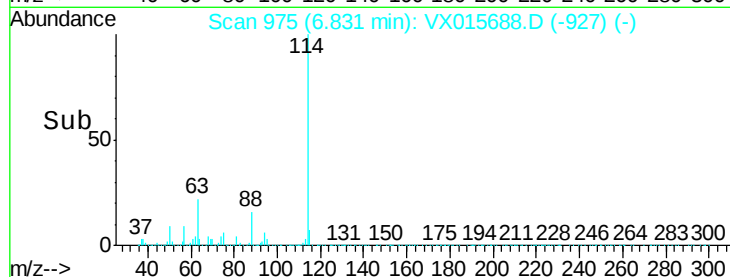
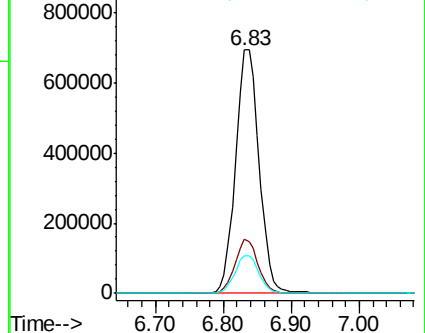
88 15.6 0.0 33.8



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: 47.441 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015688.D

Acq: 15 Apr 2020 17:08

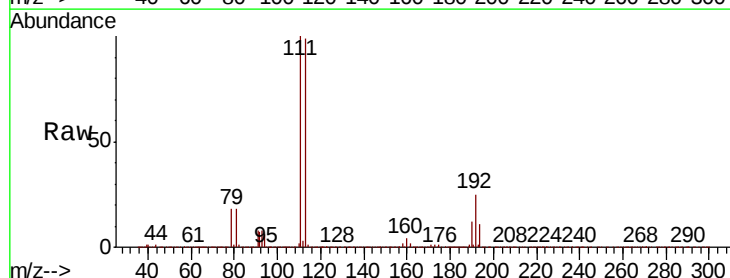
Tgt Ion:113 Resp: 505900

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

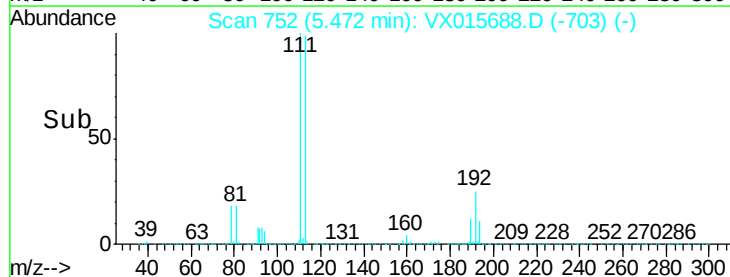
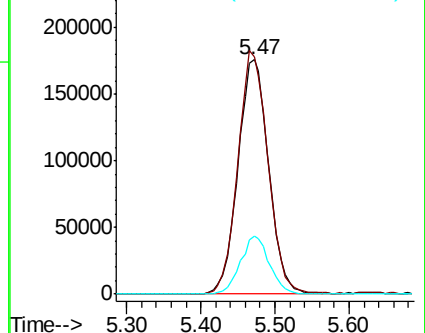
192 23.2 17.8 26.6

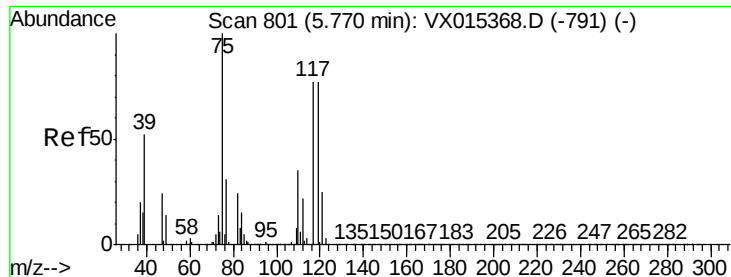


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

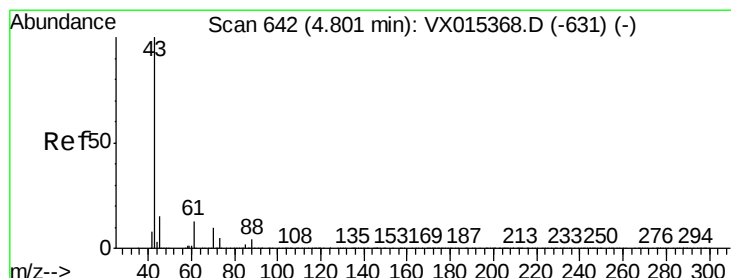
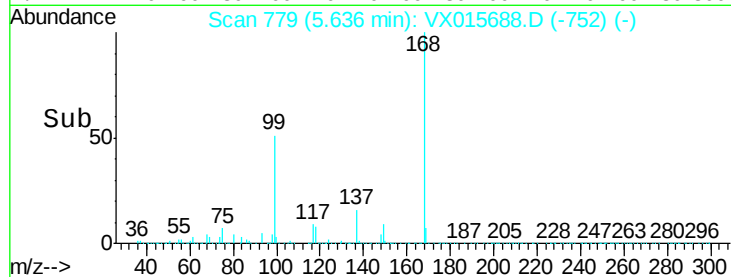
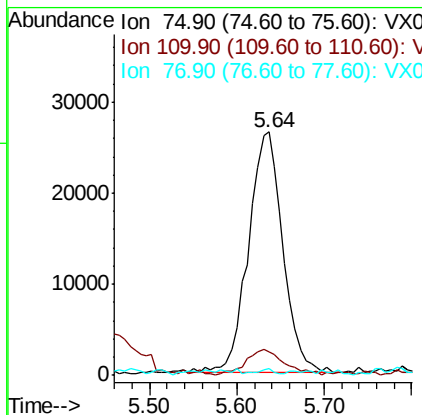
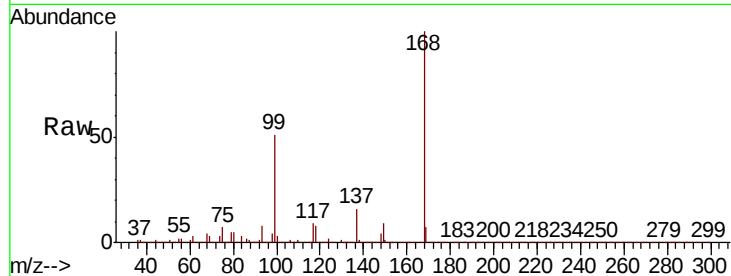




#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015688.D
 Acq: 15 Apr 2020 17:08

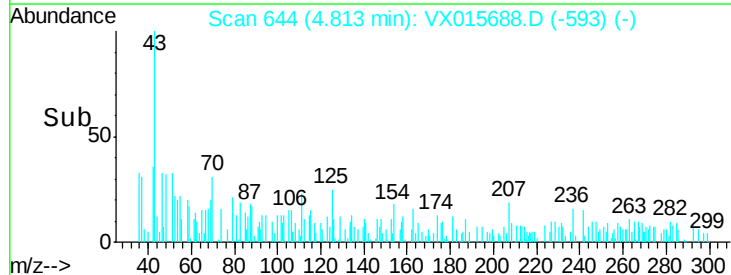
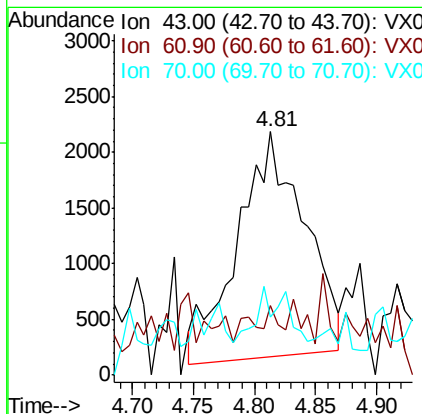
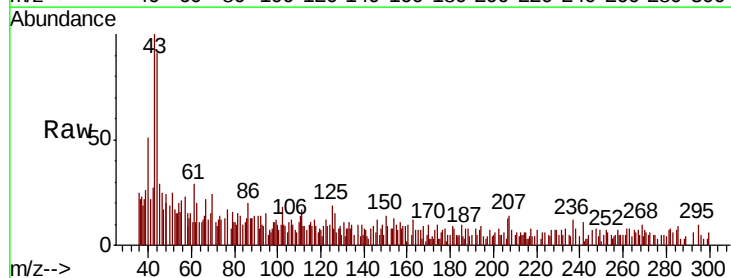
Instrument :
 MSVOA_X
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 Z3-DUP-0544-200409

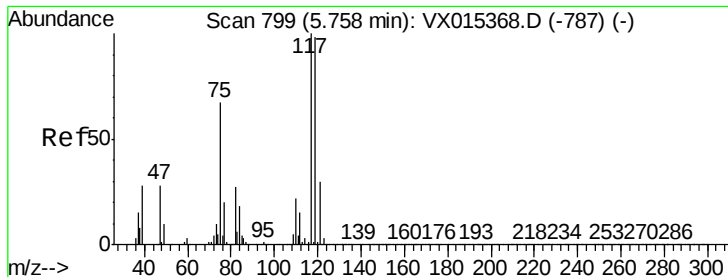
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.0	17.1	51.3#
77	0.6	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.385 ug/l
 RT: 4.81 min Scan# 644
 Delta R.T. 0.01 min
 Lab File: VX015688.D
 Acq: 15 Apr 2020 17:08

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3.5	9.9	14.9#
70	10.8	8.1	12.1





#38

Carbon Tetrachloride

Concen: 5.893 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015688.D

Acq: 15 Apr 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0544-200409

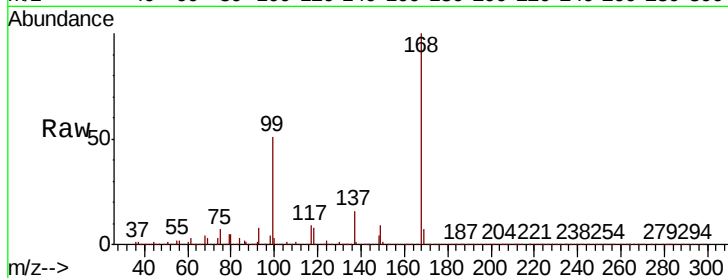
Tot Ion:117 Resp: 98105

Ion Ratio Lower Upper

117 100

119 4.9 78.0 117.0#

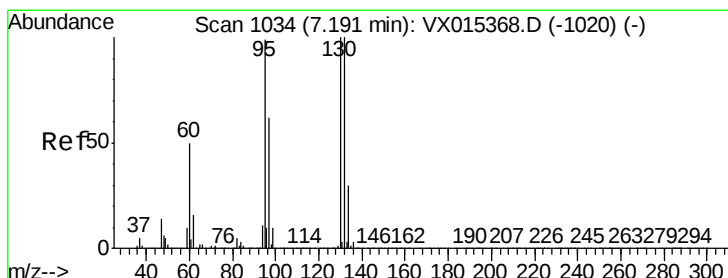
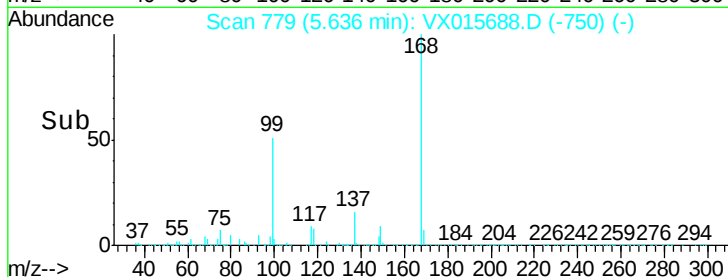
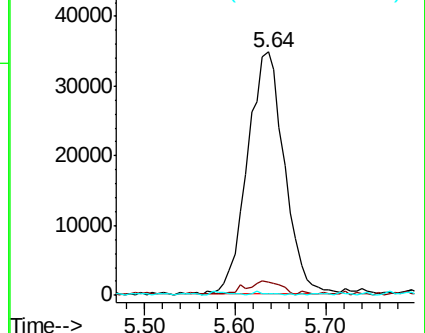
121 0.1 23.8 35.8#



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: 0.593 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015688.D

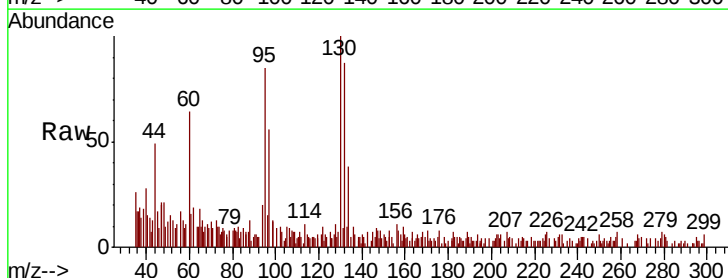
Acq: 15 Apr 2020 17:08

Tgt Ion:130 Resp: 7285

Ion Ratio Lower Upper

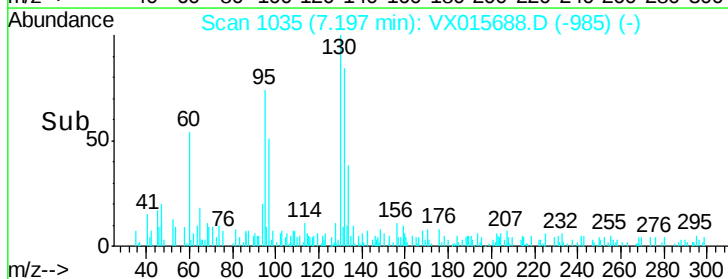
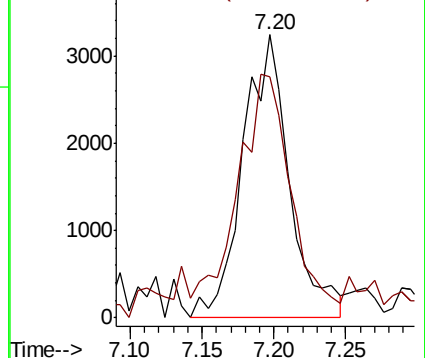
130 100

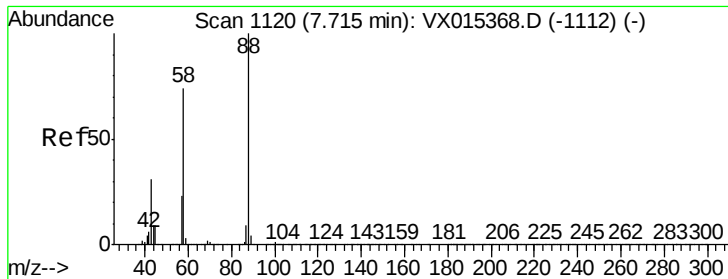
95 85.3 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

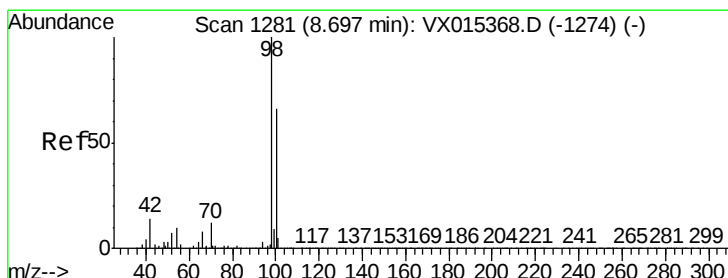
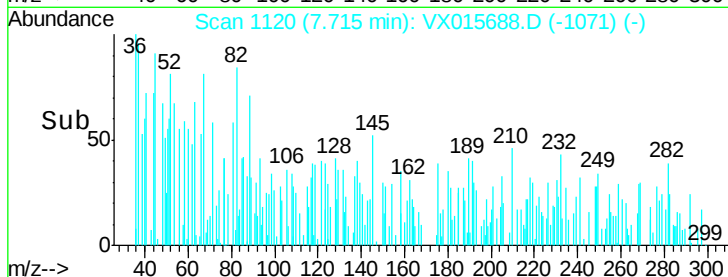
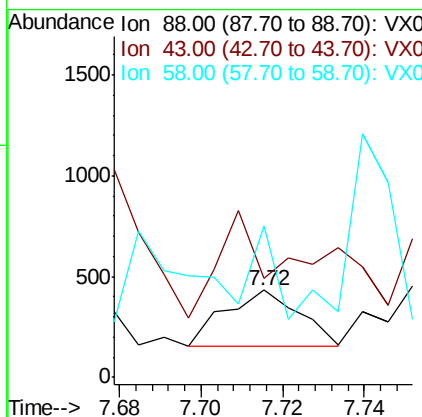
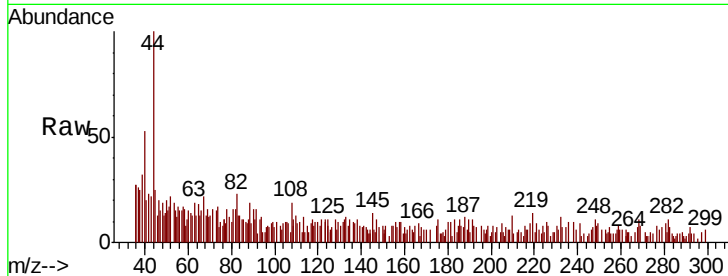




#49
1,4-Dioxane
Concen: 1.131 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VX015688.D
Acq: 15 Apr 2020 17:08

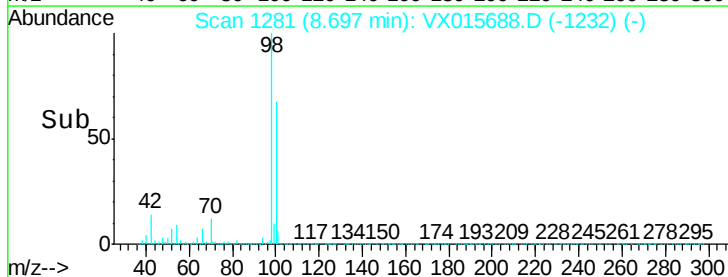
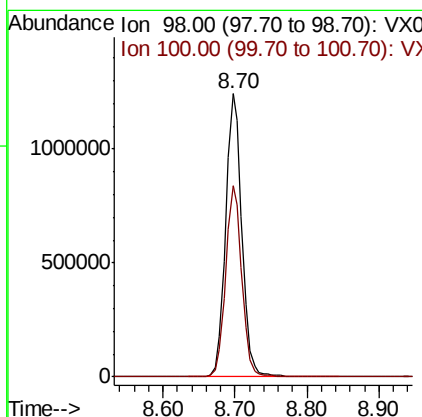
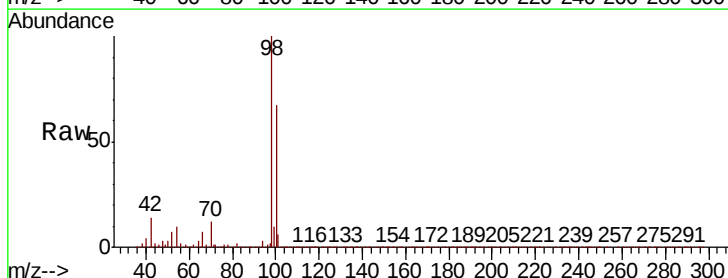
Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0544-200409

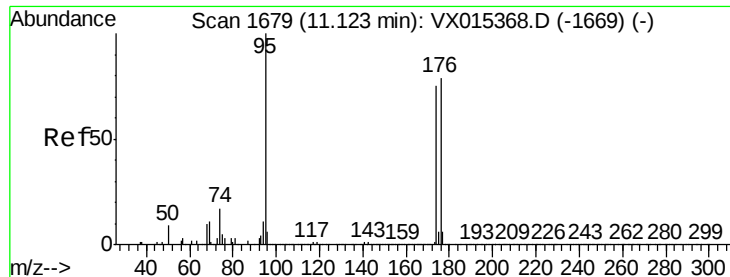
Tot Ion: 88 Resp: 356
Ion Ratio Lower Upper
88 100
43 158.1 30.1 45.1#
58 0.0 60.6 90.8#



#50
Toluene-d8
Concen: 49.661 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015688.D
Acq: 15 Apr 2020 17:08

Tgt Ion: 98 Resp: 1949725
Ion Ratio Lower Upper
98 100
100 67.3 53.5 80.3

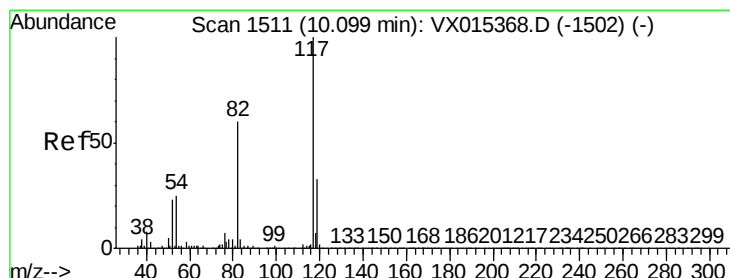
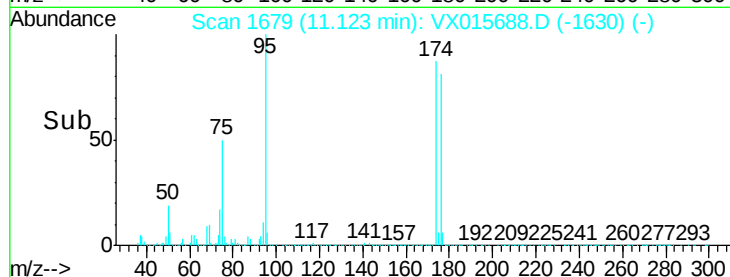
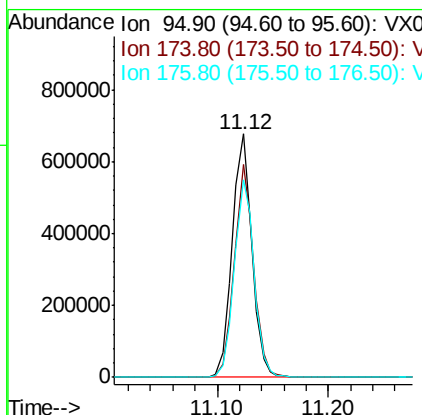
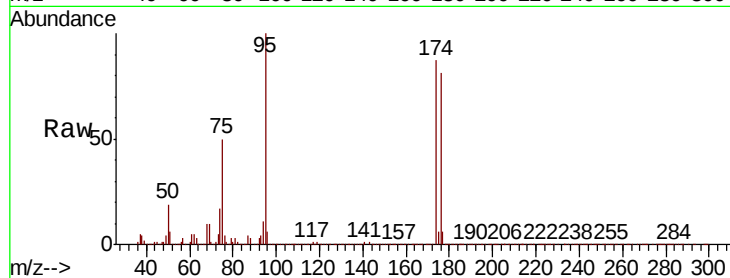




#62
4-Bromofluorobenzene
Concen: 51.936 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015688.D
Acq: 15 Apr 2020 17:08

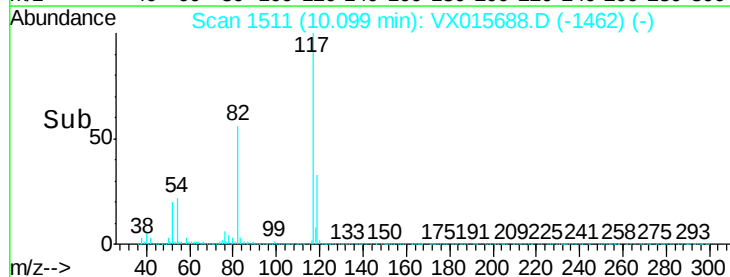
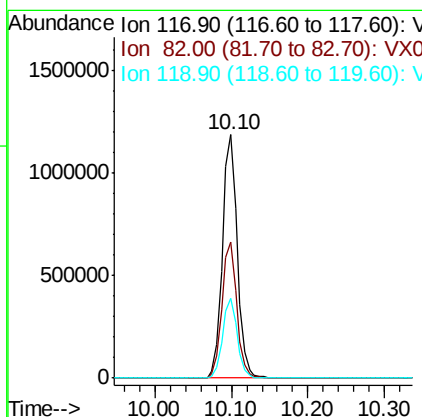
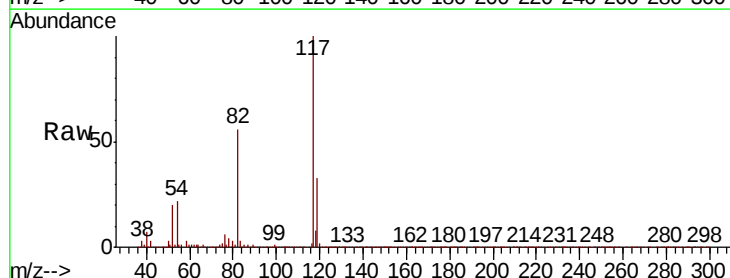
Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0544-200409

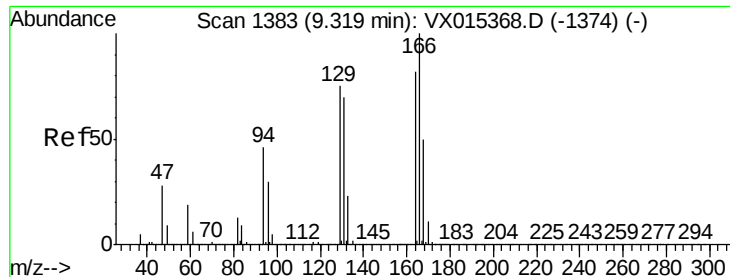
Tot Ion: 95 Resp: 828683
Ion Ratio Lower Upper
95 100
174 85.1 0.0 158.6
176 81.5 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015688.D
Acq: 15 Apr 2020 17:08

Tgt Ion: 117 Resp: 1591869
Ion Ratio Lower Upper
117 100
82 55.7 47.8 71.8
119 32.8 26.8 40.2





#64

Tetrachloroethene

Concen: 0.232 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. 0.01 min

Lab File: VX015688.D

Acq: 15 Apr 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0544-200409

Tot Ion:164 Resp: 2793

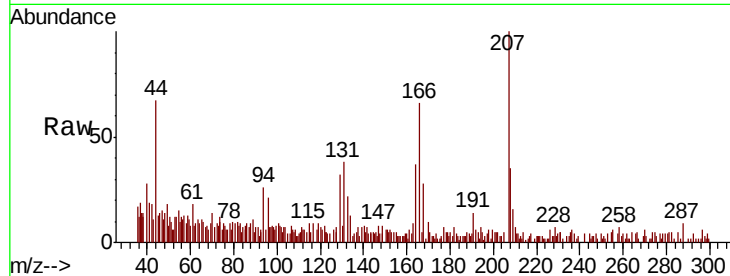
Ion Ratio Lower Upper

164 100

166 163.6 97.8 146.6#

129 70.9 73.0 109.4#

131 87.0 68.6 103.0

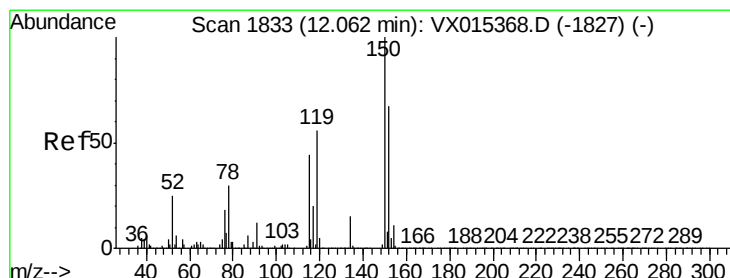
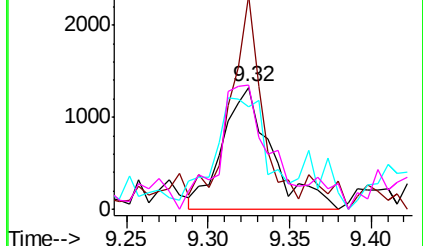
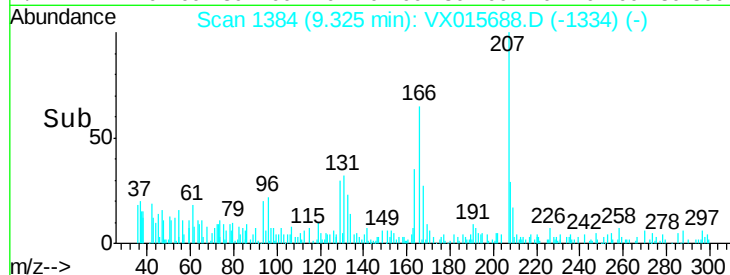


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX015688.D

Acq: 15 Apr 2020 17:08

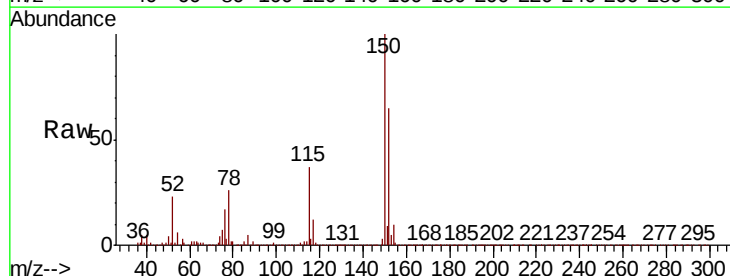
Tgt Ion:152 Resp: 870503

Ion Ratio Lower Upper

152 100

115 57.0 39.0 116.9

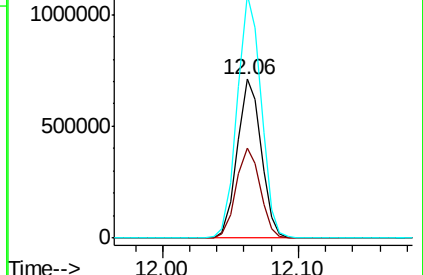
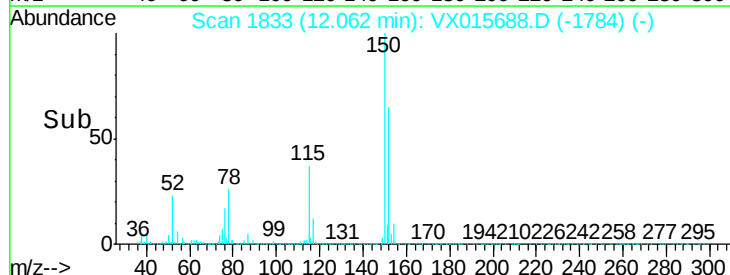
150 153.5 0.0 340.8

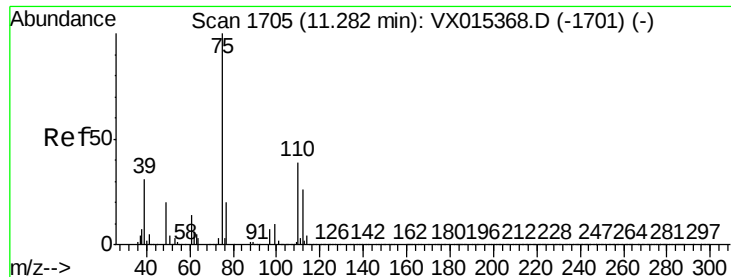


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.317 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015688.D

Acq: 15 Apr 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

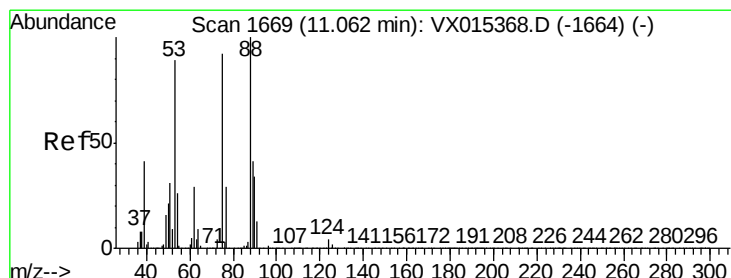
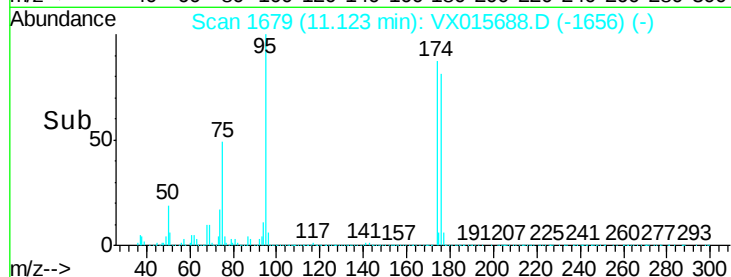
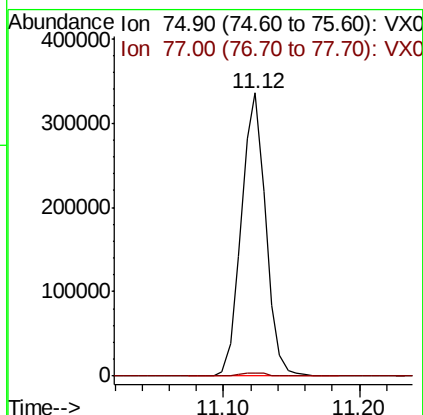
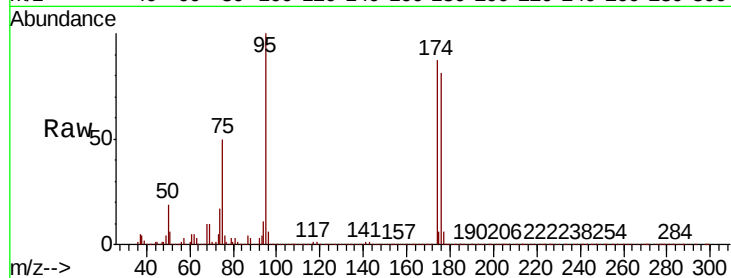
Z3-DUP-0544-200409

Tot Ion: 75 Resp: 417409

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.949 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015688.D

Acq: 15 Apr 2020 17:08

Tgt Ion: 75 Resp: 417409

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#

