

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041620\
 Data File : VX015724.D
 Acq On : 16 Apr 2020 19:46
 Operator : JC/SP
 Sample : L2294-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW032-200413

Quant Time: Apr 17 06:53:57 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

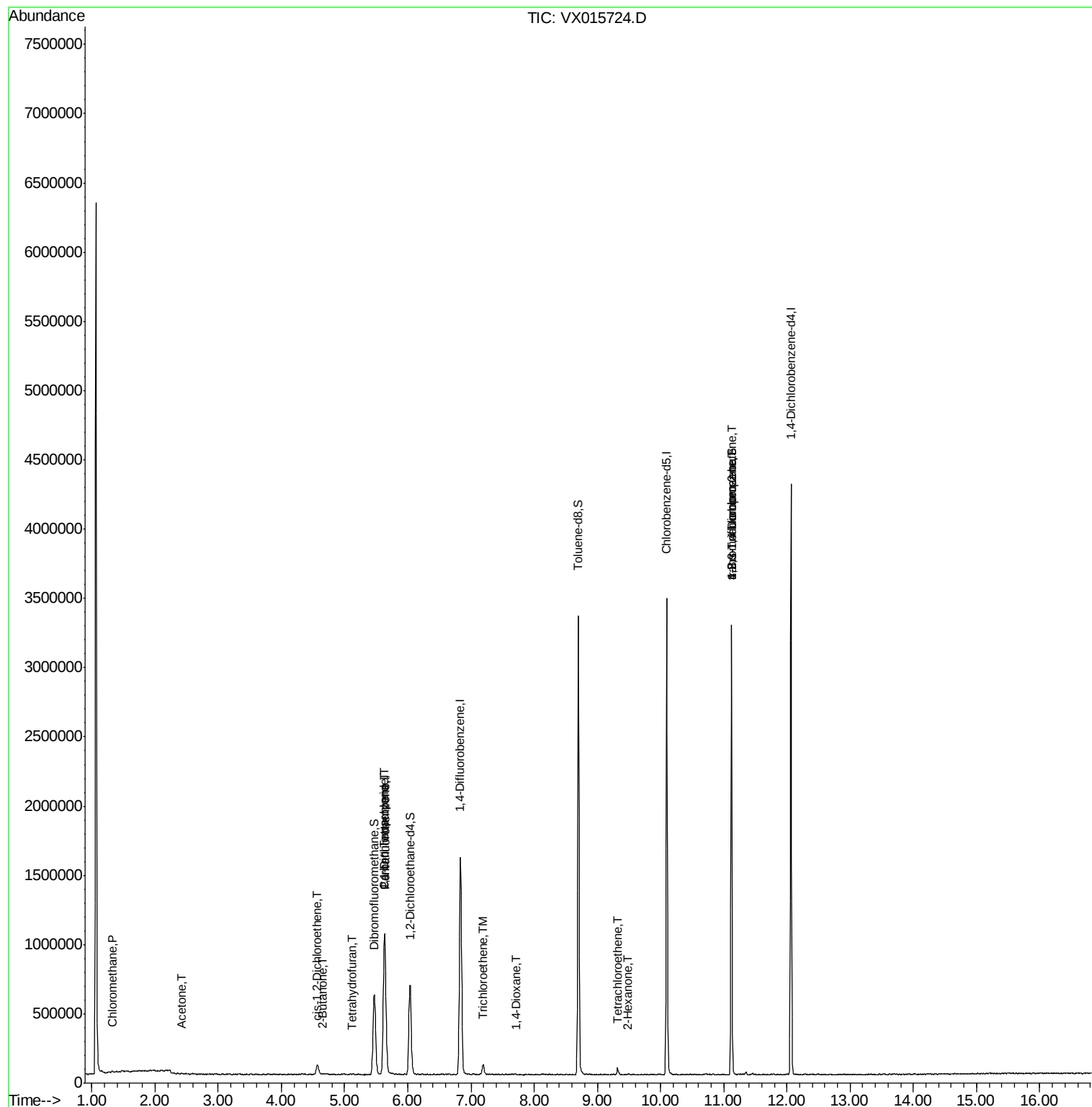
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1100030	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.83	114	1626868	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1575971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	899315	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	637518	41.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.18%	
35) Dibromofluoromethane	5.47	113	487983	46.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.84%	
50) Toluene-d8	8.70	98	1921261	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.12	95	820872	52.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.50%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.31	50	5532	0.448	ug/l	99
5) Bromomethane	1.63	94	983	Below Cal	#	33
16) Acetone	2.42	43	7334	1.100	ug/l	97
25) 2-Butanone	4.65	43	7441	0.694	ug/l #	75
27) cis-1,2-Dichloroethene	4.56	96	47484	3.561	ug/l	85
29) Tetrahydrofuran	5.12	42	2187	0.317	ug/l #	51
36) 1,1-Dichloropropene	5.63	75	70509	4.704	ug/l #	53
38) Carbon Tetrachloride	5.63	117	94657	5.830	ug/l #	15
44) Trichloroethene	7.19	130	32049	2.676	ug/l	95
49) 1,4-Dioxane	7.72	88	263	0.857	ug/l #	20
59) 2-Hexanone	9.48	43	3145	0.223	ug/l	81
64) Tetrachloroethene	9.32	164	11465	0.964	ug/l #	90
76) 1,2,3-Trichloropropane	11.12	75	416355	22.513	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	416355	54.020	ug/l #	10

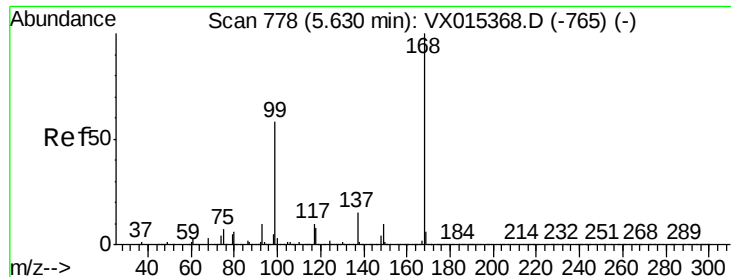
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 780

Delta R.T. 0.01 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

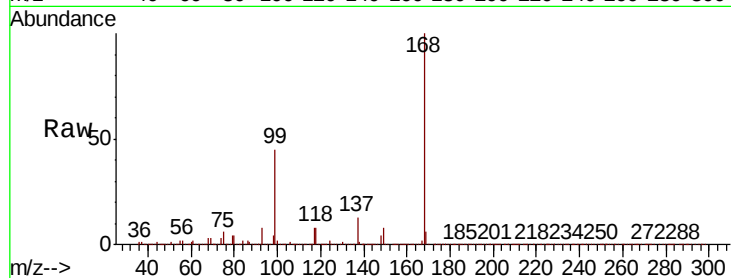
SS042MW032-200413

Tot Ion:168 Resp: 1100030

Ion Ratio Lower Upper

168 100

99 45.4 46.4 69.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

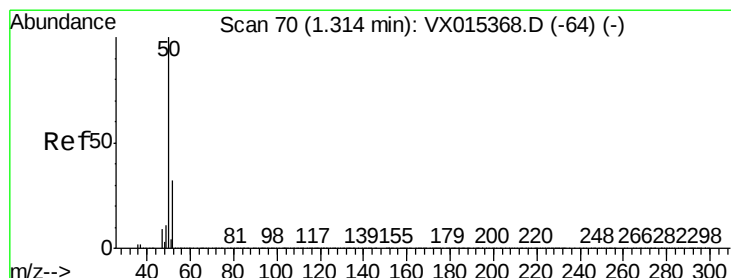
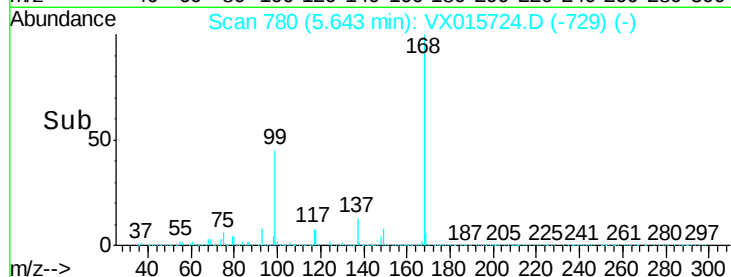
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.448 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015724.D

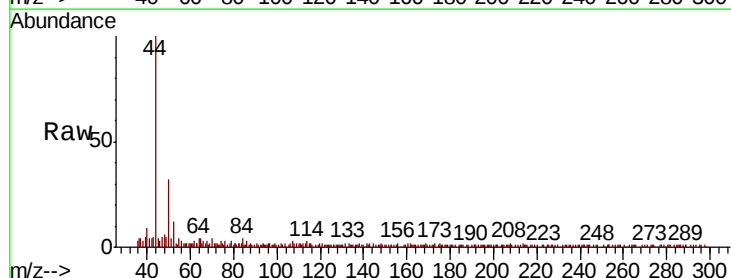
Acq: 16 Apr 2020 19:46

Tgt Ion: 50 Resp: 5532

Ion Ratio Lower Upper

50 100

52 32.3 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

5000

4000

3000

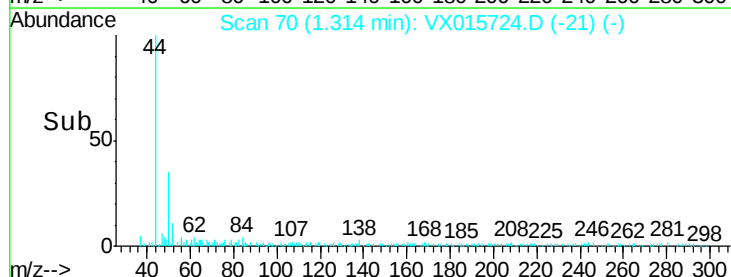
2000

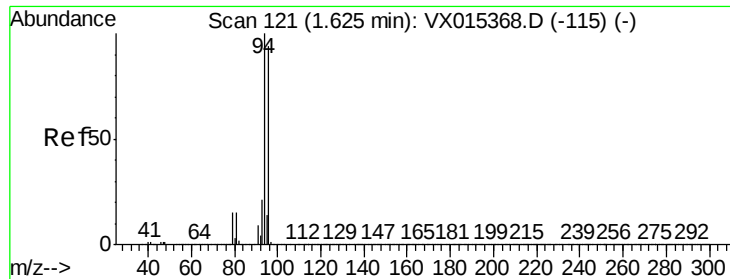
1000

0

1.25 1.30 1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

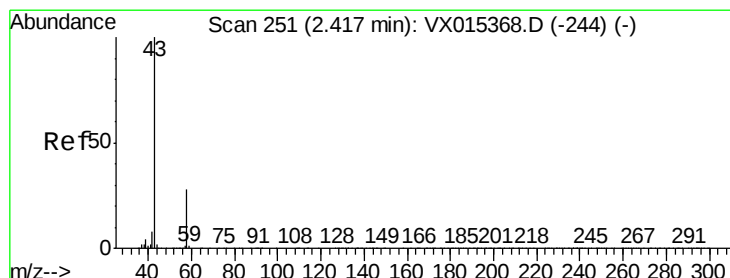
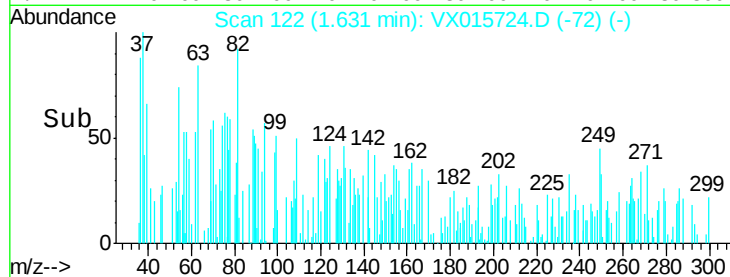
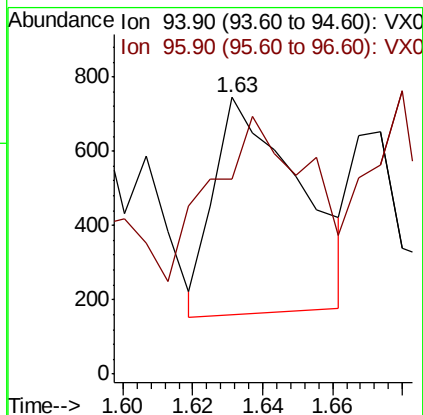
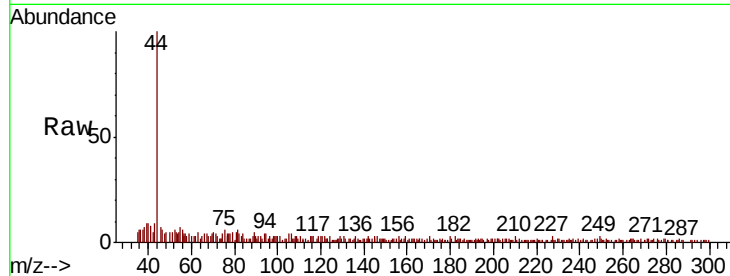
SS042MW032-200413

Tot Ion: 94 Resp: 983

Ion Ratio Lower Upper

94 100

96 28.9 74.8 112.2#



#16

Acetone

Concen: 1.100 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015724.D

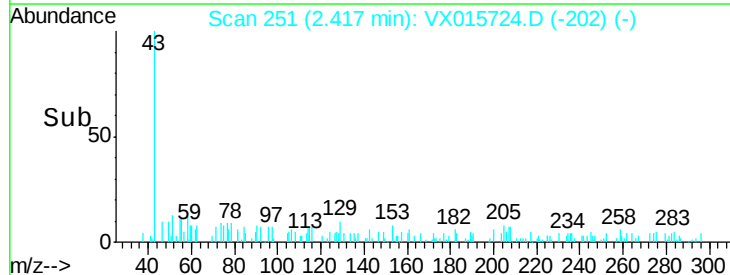
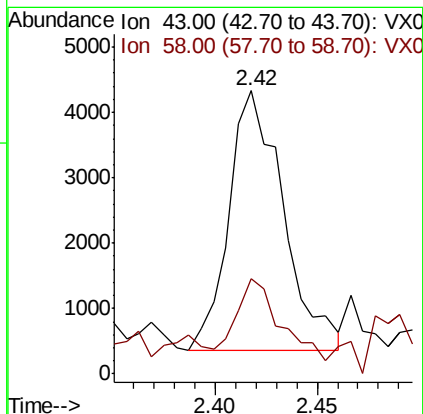
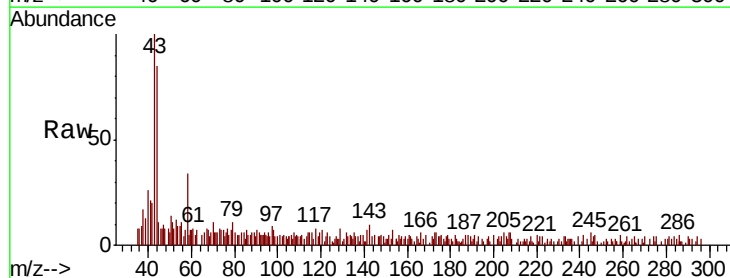
Acq: 16 Apr 2020 19:46

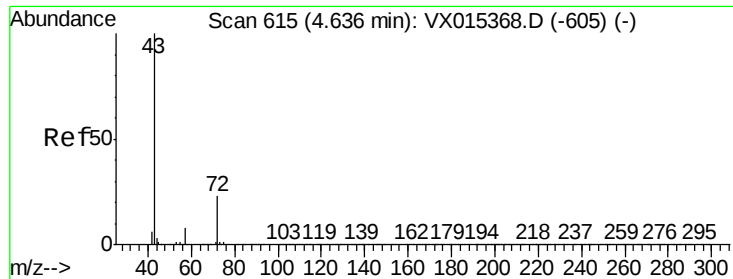
Tgt Ion: 43 Resp: 7334

Ion Ratio Lower Upper

43 100

58 26.1 22.1 33.1





#25

2-Butanone

Concen: 0.694 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.02 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

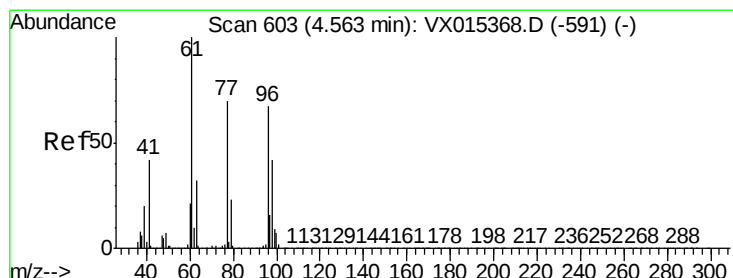
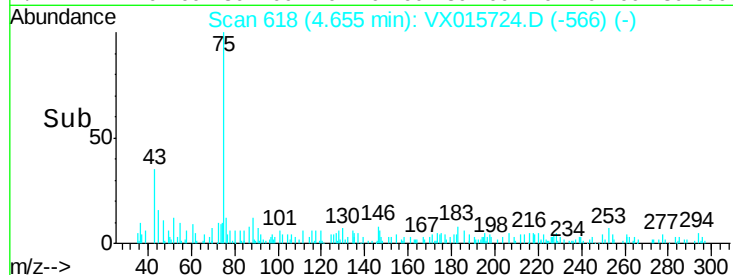
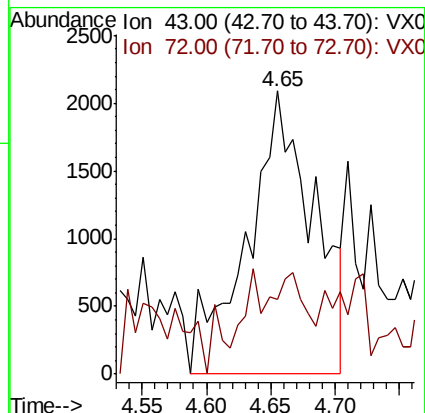
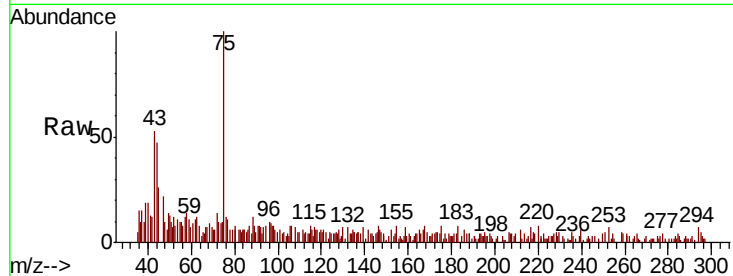
SS042MW032-200413

Tot Ion: 43 Resp: 7441

Ion Ratio Lower Upper

43 100

72 11.5 19.0 28.4#



#27

cis-1,2-Dichloroethene

Concen: 3.561 ug/l

RT: 4.56 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

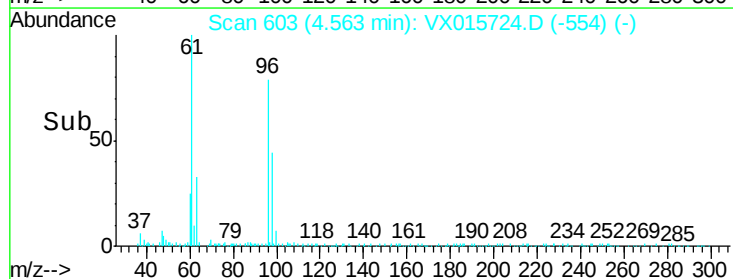
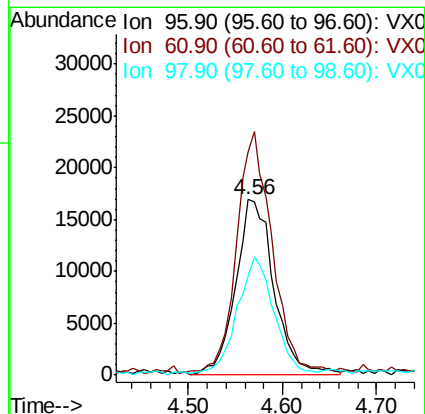
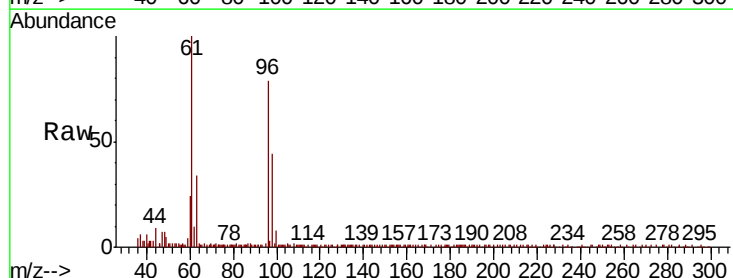
Tgt Ion: 96 Resp: 47484

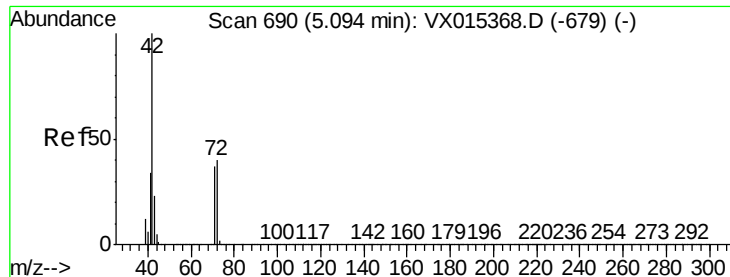
Ion Ratio Lower Upper

96 100

61 128.0 0.0 308.4

98 63.5 0.0 129.2





#29

Tetrahydrofuran

Concen: 0.317 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.02 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

SS042MW032-200413

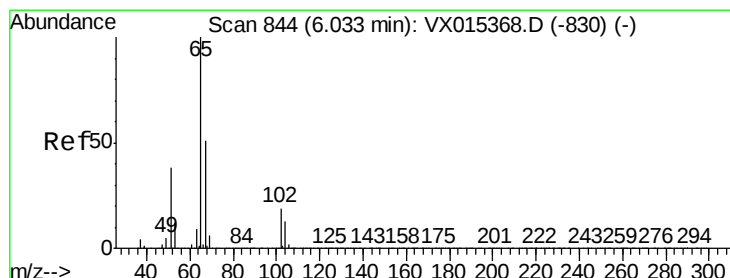
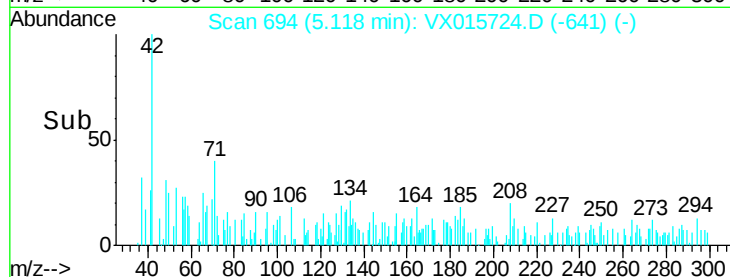
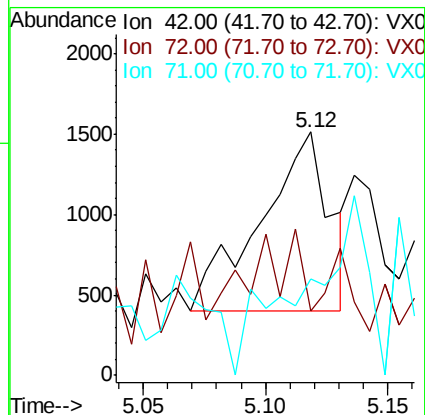
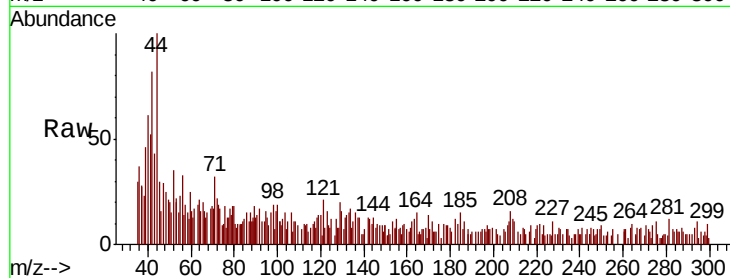
Tot Ion: 42 Resp: 2187

Ion Ratio Lower Upper

42 100

72 17.2 31.7 47.5#

71 0.0 29.6 44.4#



#33

1,2-Dichloroethane-d4

Concen: 41.091 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015724.D

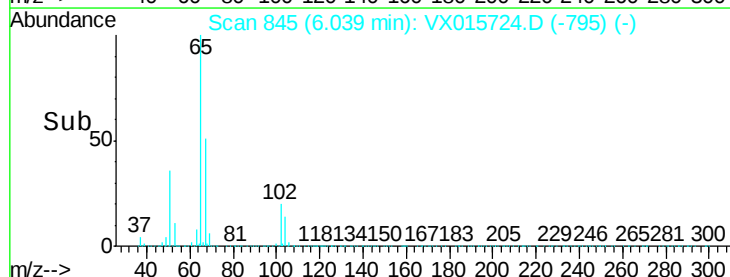
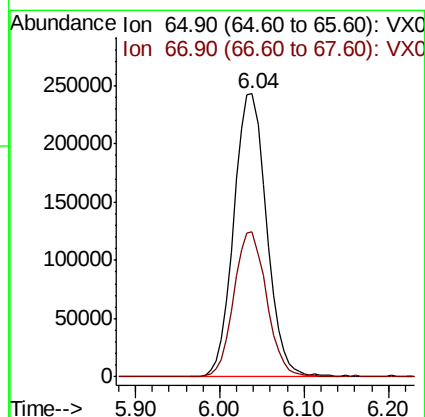
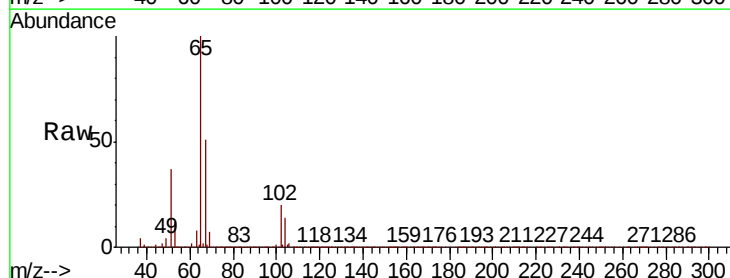
Acq: 16 Apr 2020 19:46

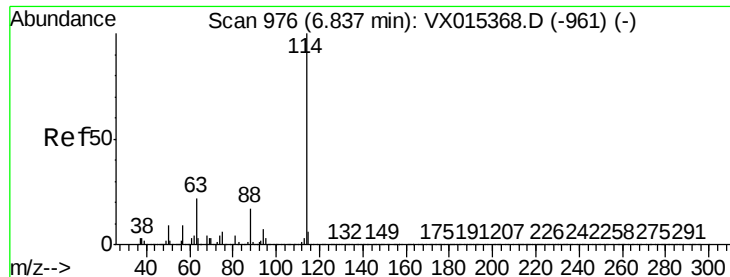
Tgt Ion: 65 Resp: 637518

Ion Ratio Lower Upper

65 100

67 51.4 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: VX015724.D

Acq: 16 Apr 2020 19:46

Instrument :

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SS042MW032-200413

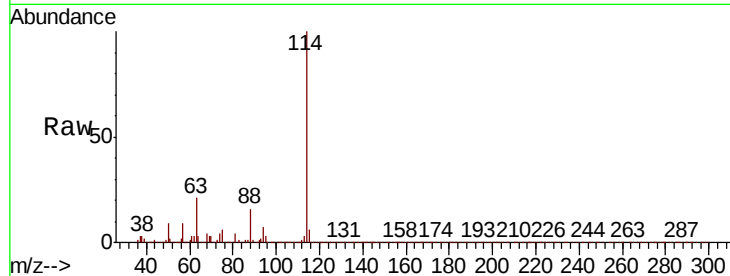
Tot Ion:114 Resp: 1626868

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.2

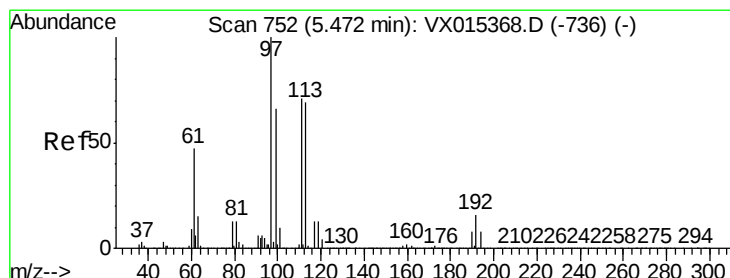
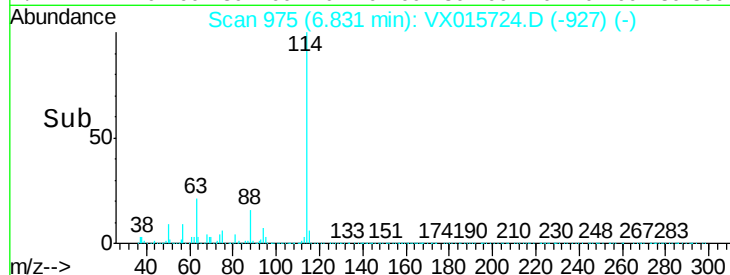
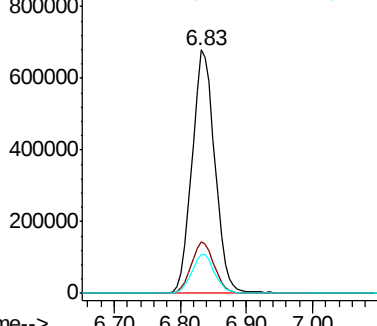
88 16.0 0.0 33.8



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: 46.924 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

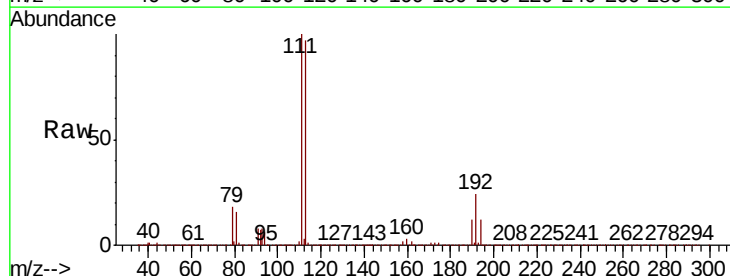
Tgt Ion:113 Resp: 487983

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

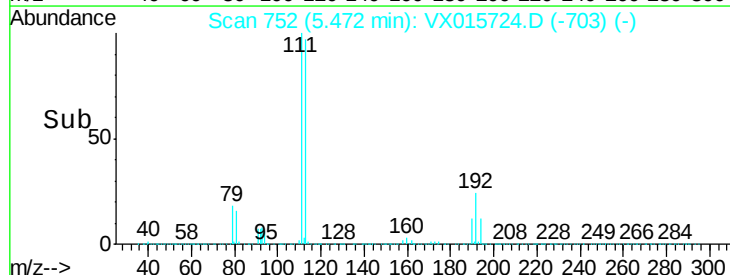
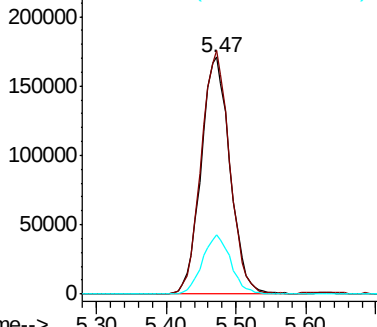
192 24.5 17.8 26.6

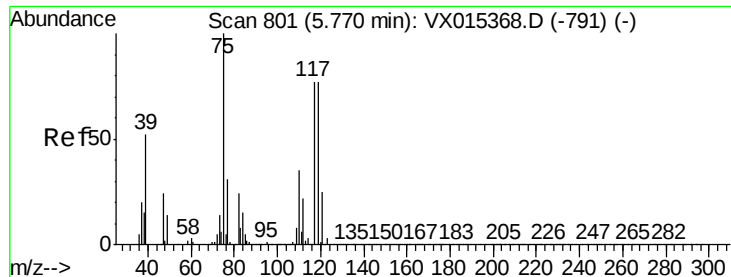


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

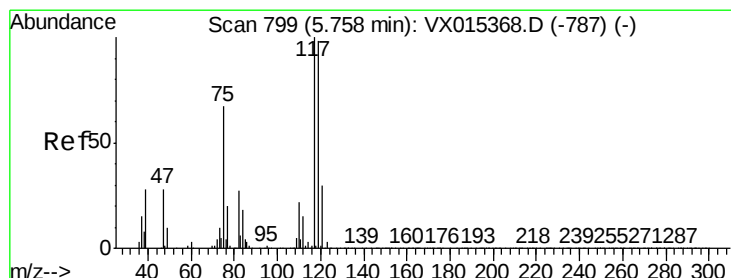
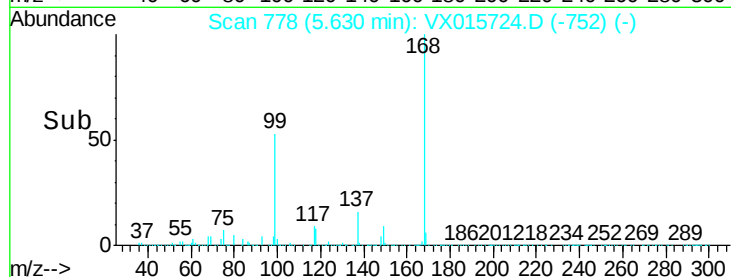
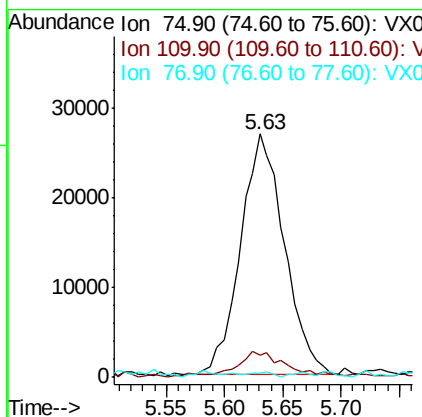
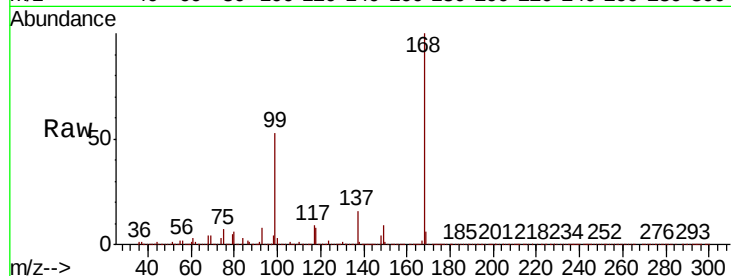




#36
 1,1-Dichloropropene
 Concen: 4.704 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015724.D
 Acq: 16 Apr 2020 19:46

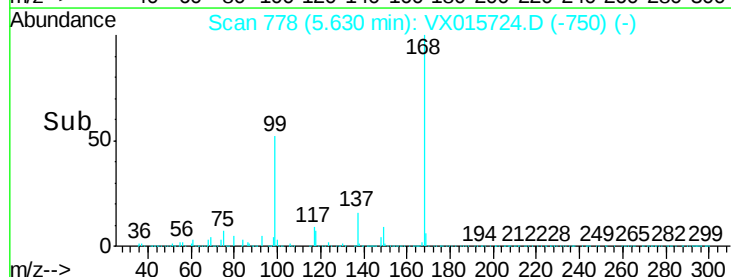
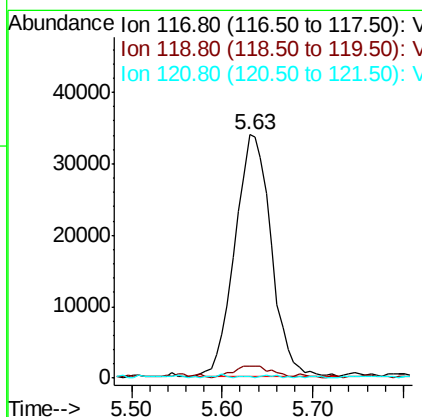
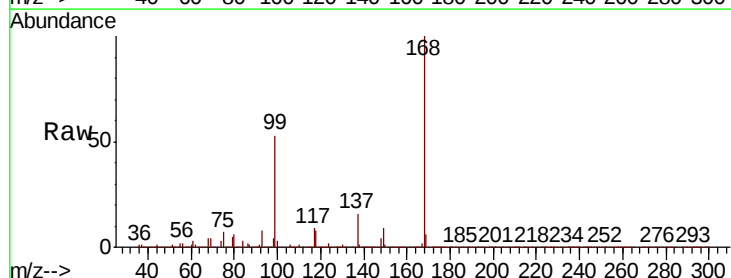
Instrument :
 MSVOA_X
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 SS042MW032-200413

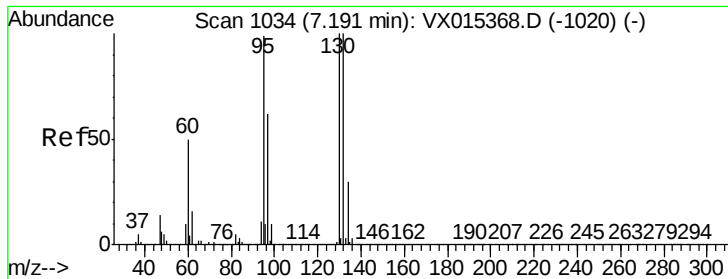
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.5	17.1	51.3#
77	1.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.830 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015724.D
 Acq: 16 Apr 2020 19:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	78.0	117.0#
121	0.2	23.8	35.8#





#44

Trichloroethene

Concen: 2.676 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

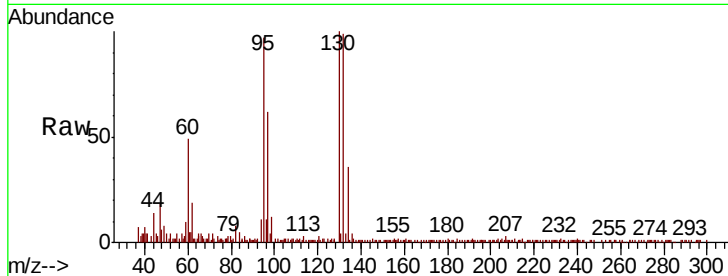
SS042MW032-200413

Tot Ion:130 Resp: 32049

Ion Ratio Lower Upper

130 100

95 94.4 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

15000

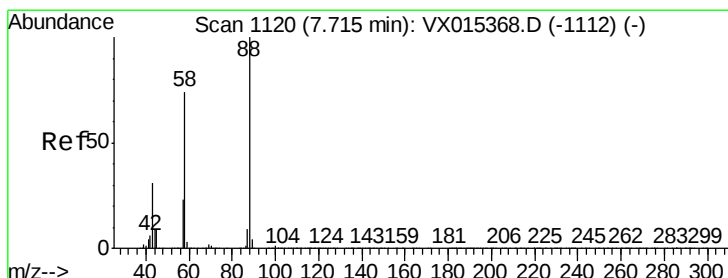
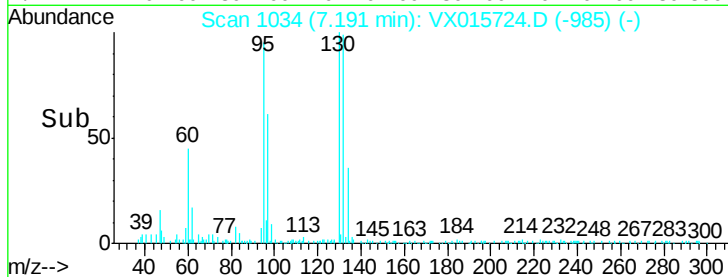
10000

5000

0

7.10 7.15 7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 0.857 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

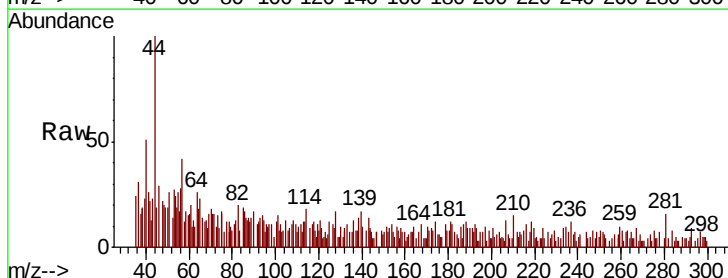
Tgt Ion: 88 Resp: 263

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 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

1000

800

600

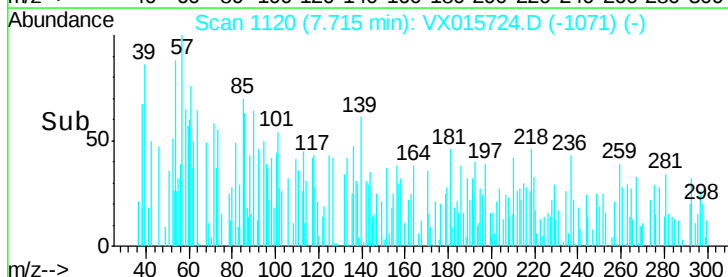
400

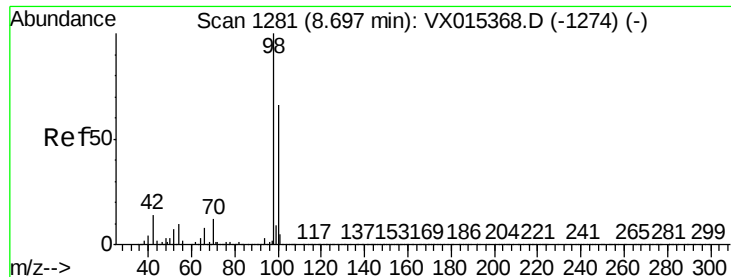
200

0

7.71 7.71 7.71 7.72 7.72

Time-->





#50

Toluene-d8

Concen: 50.180 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

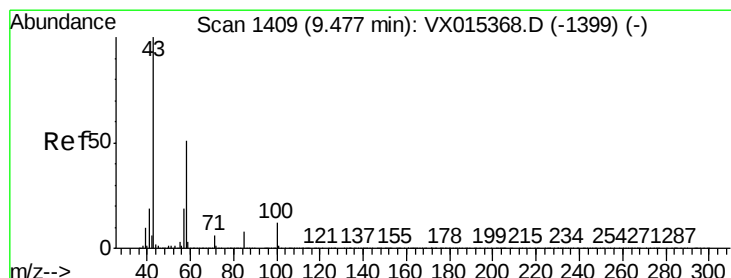
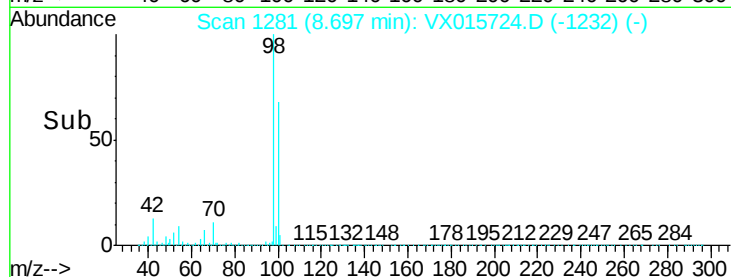
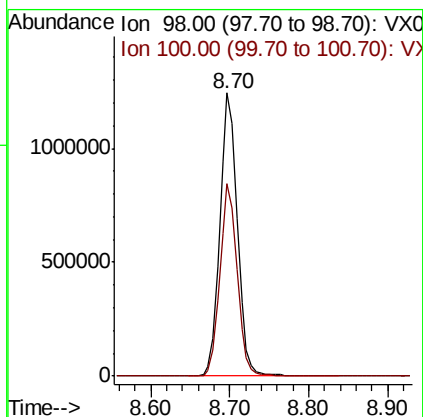
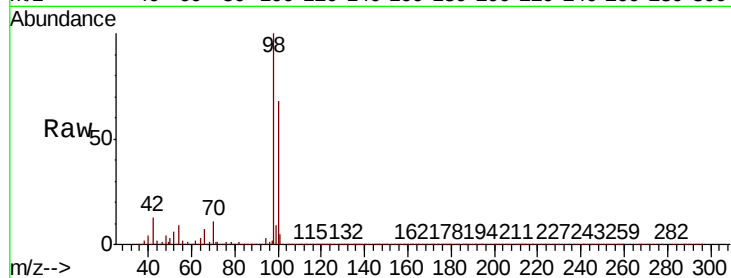
SS042MW032-200413

Tot Ion: 98 Resp: 1921261

Ion Ratio Lower Upper

98 100

100 67.3 53.5 80.3



#59

2-Hexanone

Concen: 0.223 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. 0.01 min

Lab File: VX015724.D

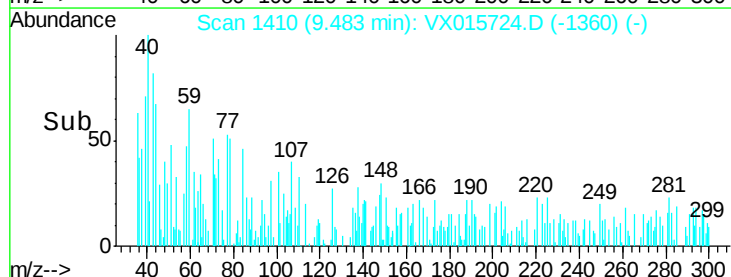
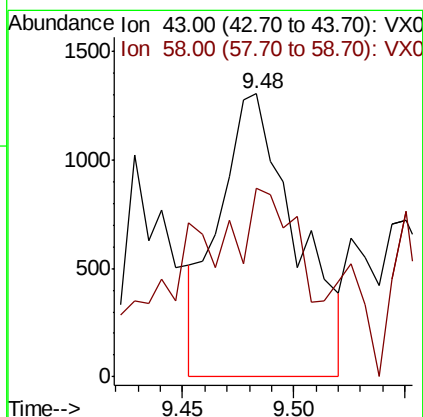
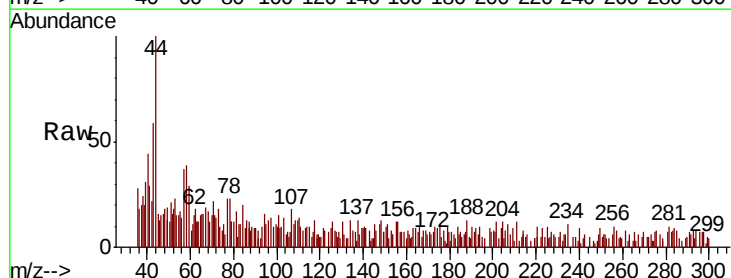
Acq: 16 Apr 2020 19:46

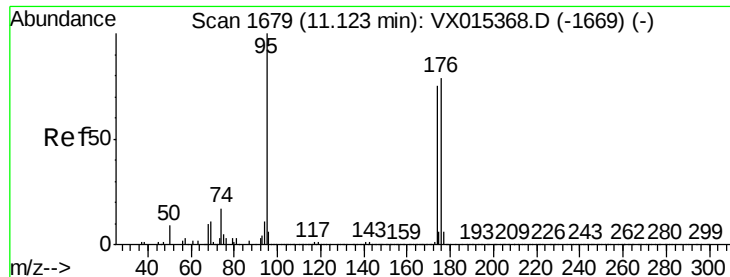
Tgt Ion: 43 Resp: 3145

Ion Ratio Lower Upper

43 100

58 37.9 25.6 76.6





#62

4-Bromofluorobenzene

Concen: 52.754 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

SS042MW032-200413

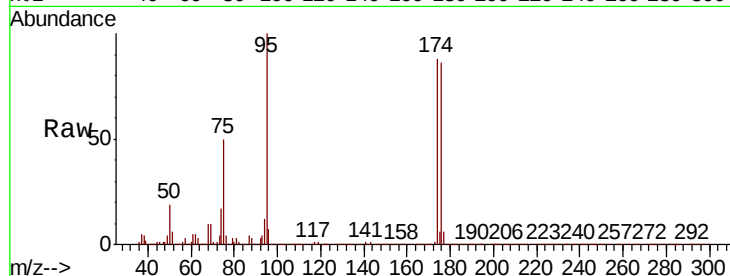
Tot Ion: 95 Resp: 820872

Ion Ratio Lower Upper

95 100

174 89.7 0.0 158.6

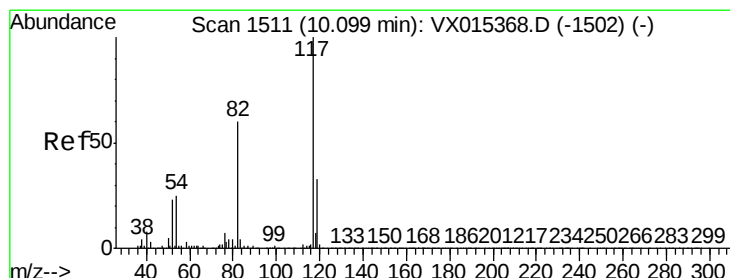
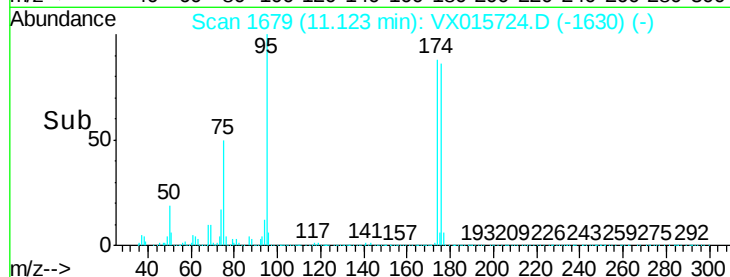
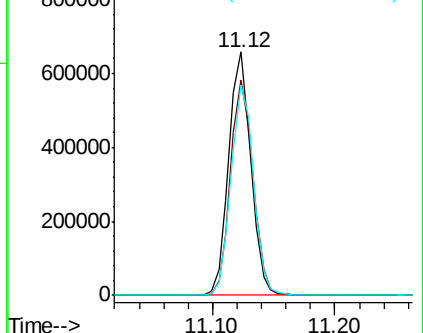
176 87.4 0.0 159.0



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: VX015724.D

Acq: 16 Apr 2020 19:46

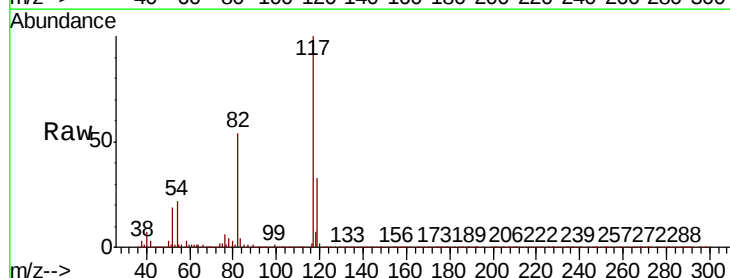
Tgt Ion: 117 Resp: 1575971

Ion Ratio Lower Upper

117 100

82 53.8 47.8 71.8

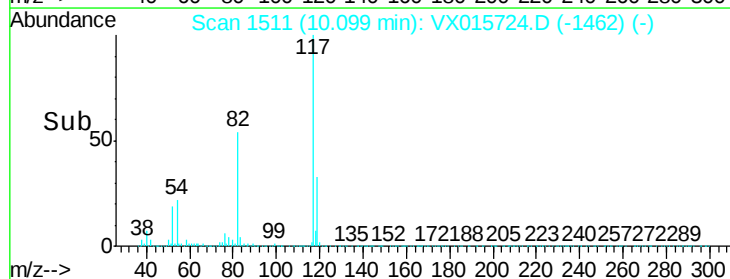
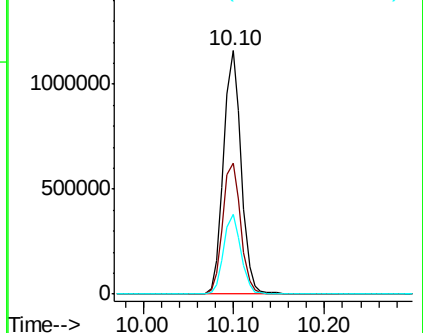
119 32.9 26.8 40.2

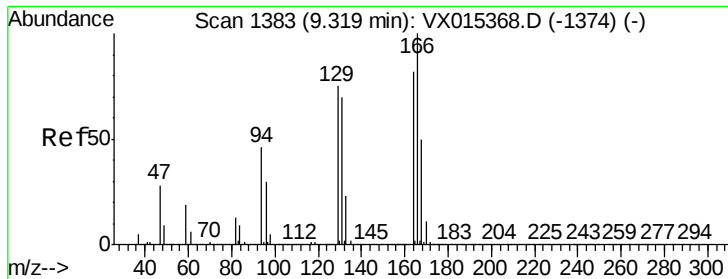


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

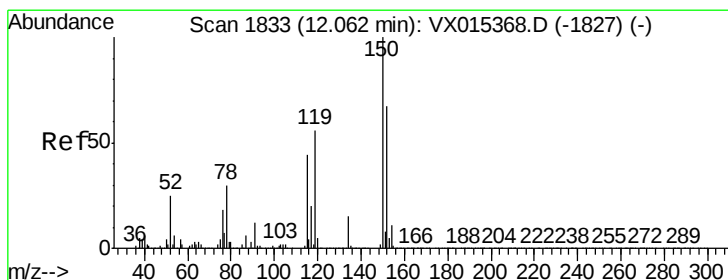
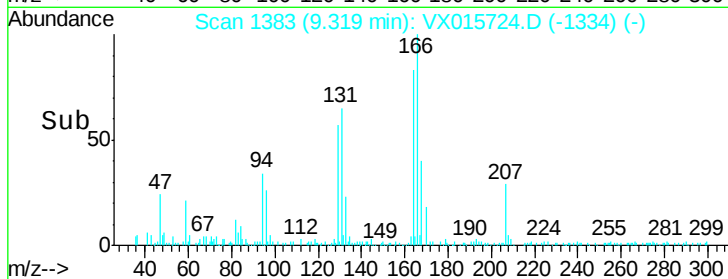
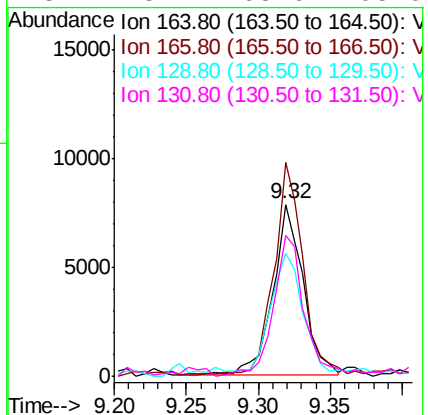
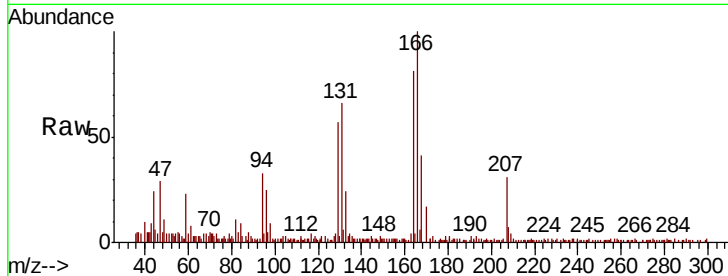




#64
Tetrachloroethene
Concen: 0.964 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015724.D
Acq: 16 Apr 2020 19:46

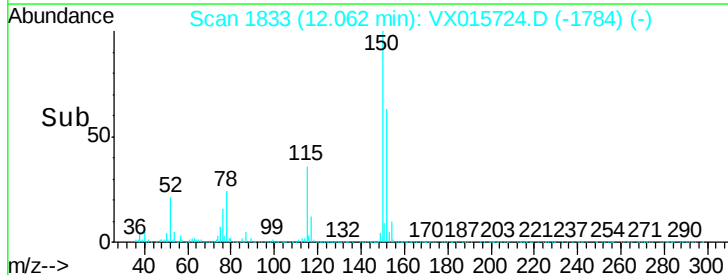
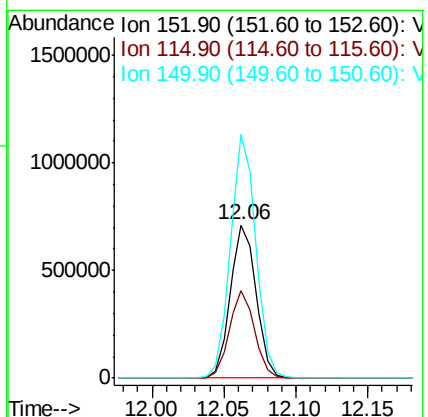
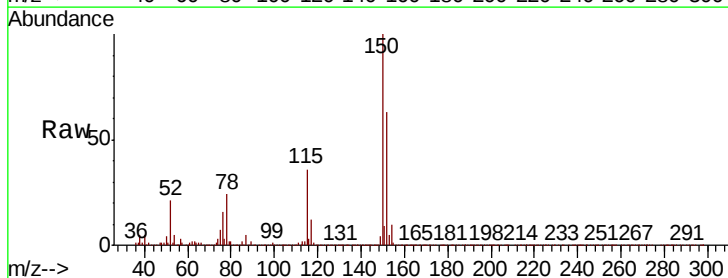
Instrument :
MSVOA_X
ClientSampleId :
SS042MW032-200413

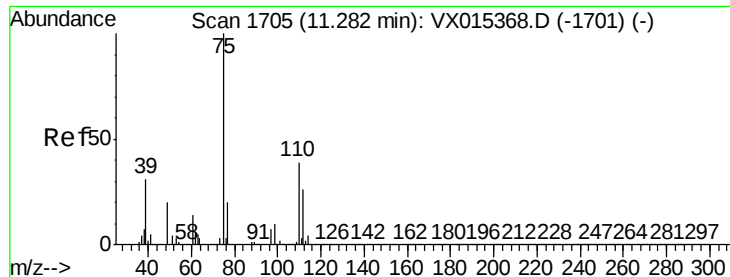
Tot Ion:	164	Resp:	11465
Ion	Ratio	Lower	Upper
164	100		
166	123.7	97.8	146.6
129	68.2	73.0	109.4
131	78.4	68.6	103.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015724.D
Acq: 16 Apr 2020 19:46

Tgt Ion:	152	Resp:	899315
Ion	Ratio	Lower	Upper
152	100		
115	55.4	39.0	116.9
150	155.8	0.0	340.8





#76

1,2,3-Trichloropropane

Concen: 22.513 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

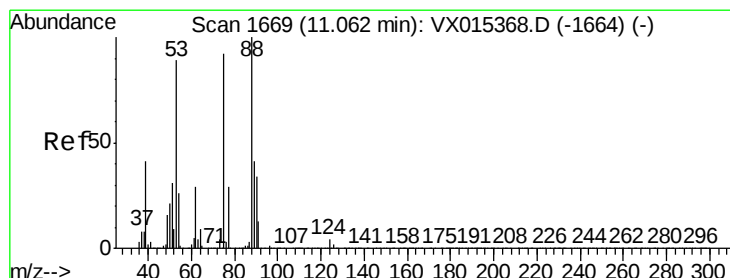
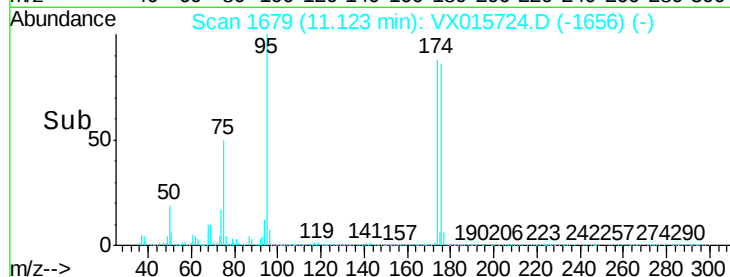
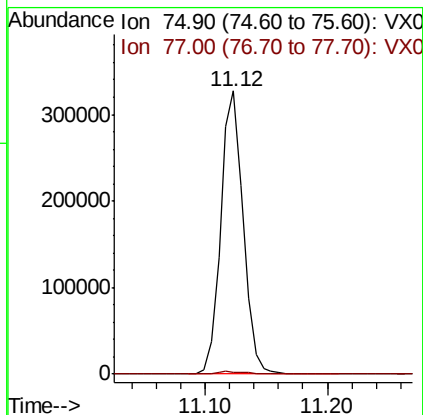
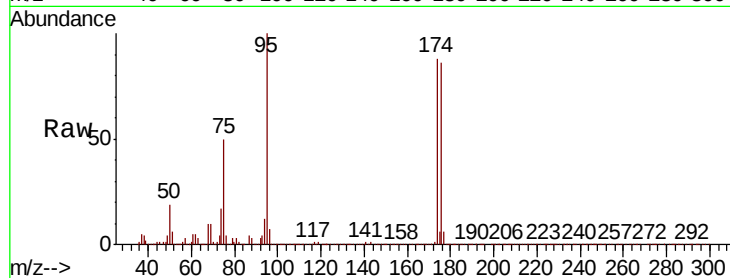
SS042MW032-200413

Tot Ion: 75 Resp: 416355

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.020 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Tgt Ion: 75 Resp: 416355

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.1 36.1 54.1#

