

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041520\
 Data File : VX015692.D
 Acq On : 15 Apr 2020 18:39
 Operator : JC/SP
 Sample : L2233-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW318-200409

Quant Time: Apr 16 05:57:43 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	1078154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1643407	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1601598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	891738	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	659742	43.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.78%	
35) Dibromofluoromethane	5.47	113	499745	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
50) Toluene-d8	8.70	98	1959753	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	11.12	95	831523	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	

Target Compounds

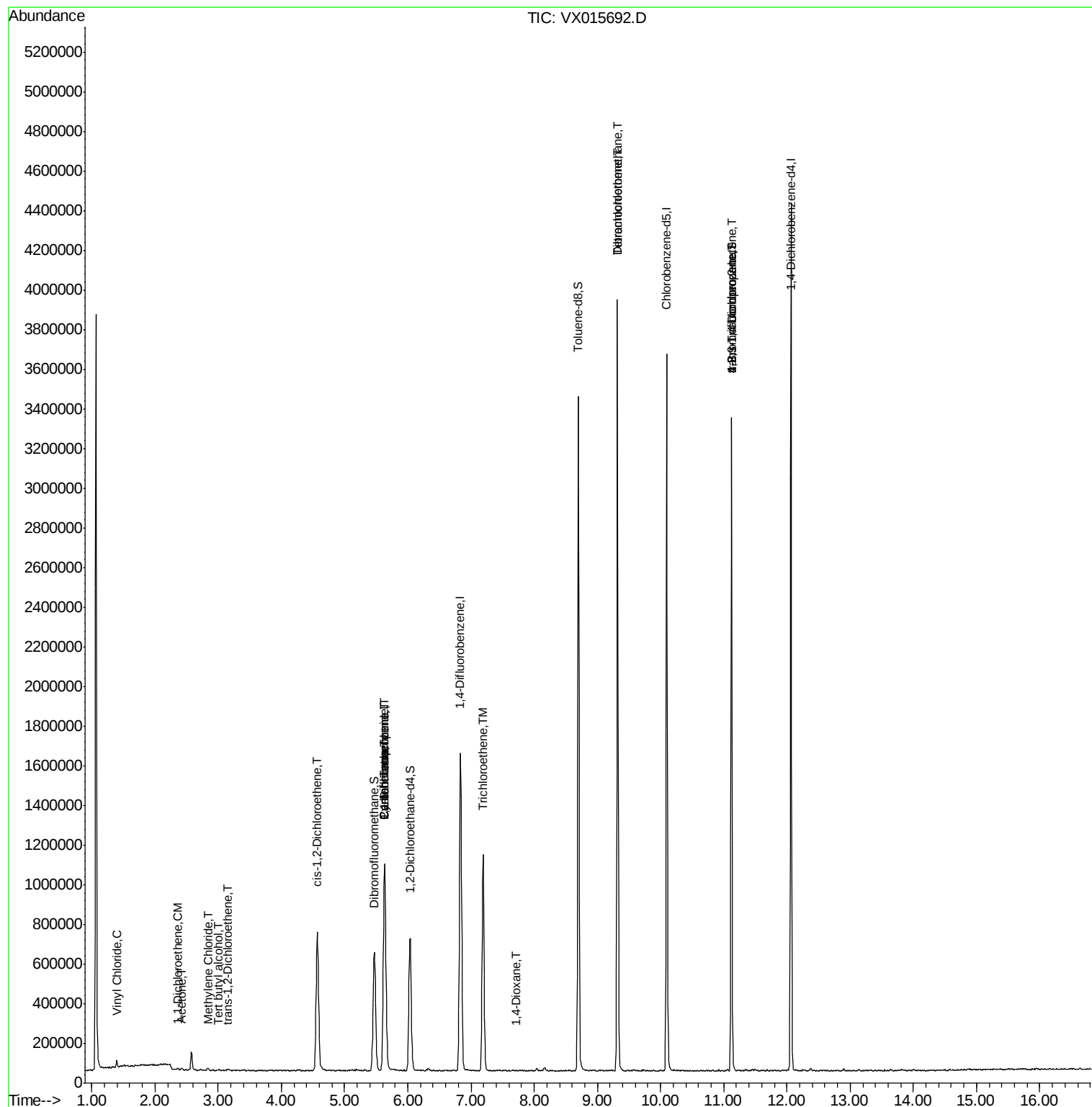
					Qvalue	
4) Vinyl Chloride	1.39	62	24048	2.165	ug/l	97
5) Bromomethane	1.64	94	1059	Below Cal	#	62
11) Tert butyl alcohol	3.01	59	4453	1.223	ug/l #	74
12) 1,1-Dichloroethene	2.35	96	2741	0.269	ug/l #	39
16) Acetone	2.42	43	13985	2.141	ug/l	90
20) Methylene Chloride	2.84	84	3889	0.319	ug/l #	87
21) trans-1,2-Dichloroethene	3.14	96	3462	0.306	ug/l #	66
27) cis-1,2-Dichloroethene	4.57	96	444137	33.982	ug/l	88
31) Cyclohexane	5.63	56	21147	1.099	ug/l #	8
36) 1,1-Dichloropropene	5.64	75	70270	4.641	ug/l #	54
38) Carbon Tetrachloride	5.64	117	99927	6.093	ug/l #	15
44) Trichloroethene	7.19	130	435625	36.011	ug/l	88
49) 1,4-Dioxane	7.70	88	731	2.357	ug/l #	88
60) Dibromochloromethane	9.32	129	687262	51.048	ug/l #	11
64) Tetrachloroethene	9.32	164	765446	63.329	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	414414	22.599	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	414414	54.225	ug/l #	10

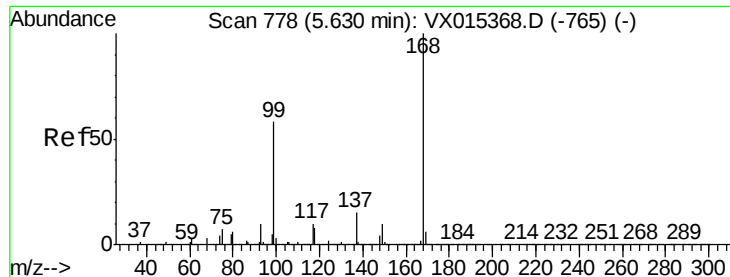
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015692.D

Acq: 15 Apr 2020 18:39

Instrument :

MSVOA_X

ClientSampleId :

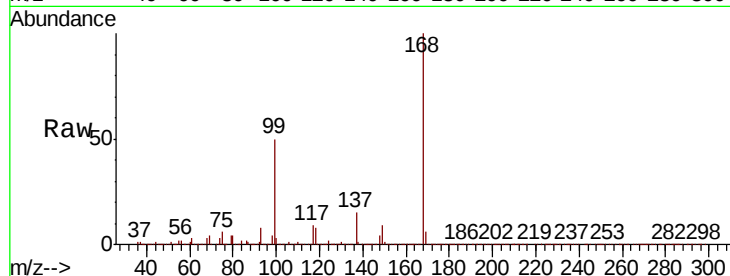
SS040MW318-200409

Tot Ion:168 Resp: 1078154

Ion Ratio Lower Upper

168 100

99 50.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

400000

300000

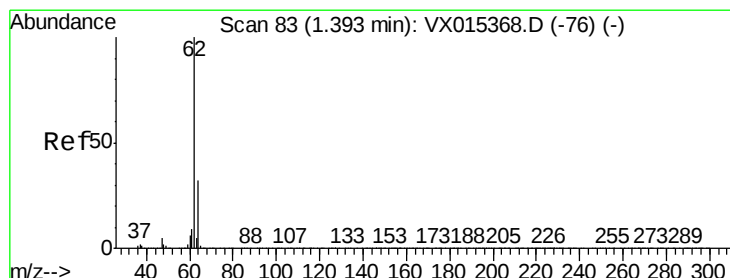
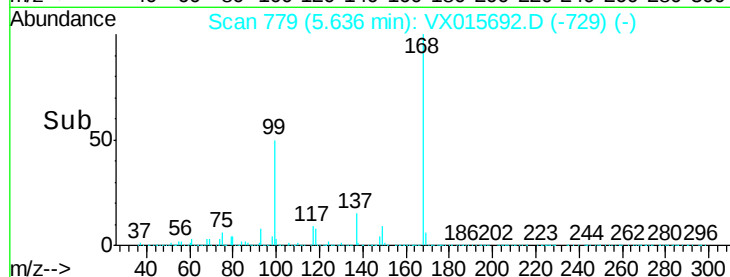
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#4

Vinyl Chloride

Concen: 2.165 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015692.D

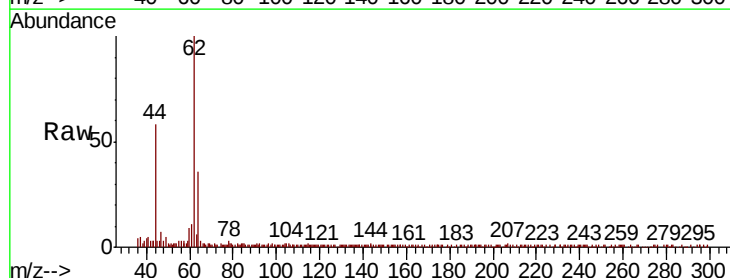
Acq: 15 Apr 2020 18:39

Tgt Ion: 62 Resp: 24048

Ion Ratio Lower Upper

62 100

64 34.2 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

25000

20000

15000

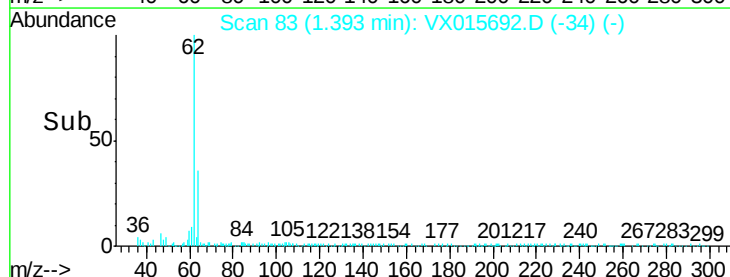
10000

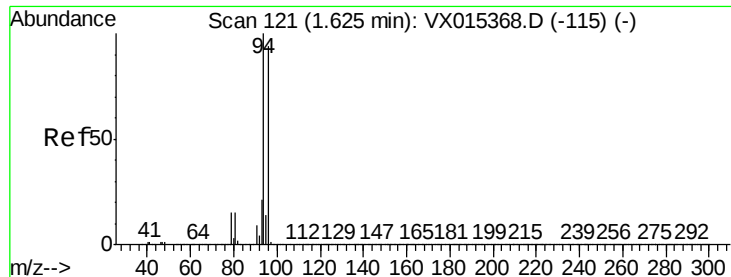
5000

0

1.30 1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015692.D

Acq: 15 Apr 2020 18:39

Instrument :

MSVOA_X

ClientSampleId :

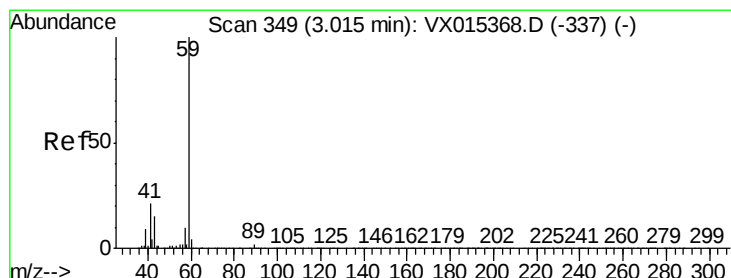
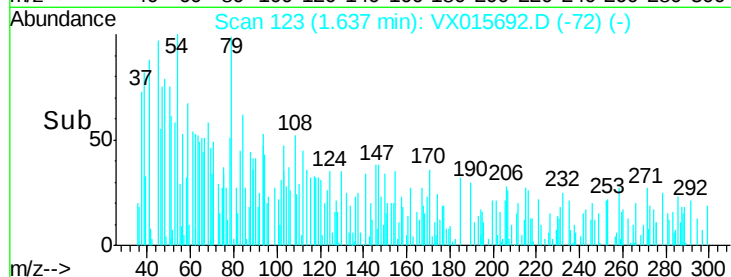
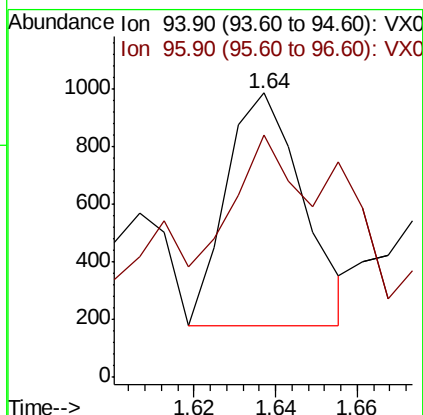
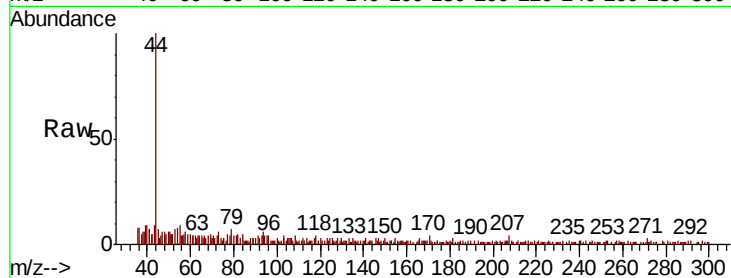
SS040MW318-200409

Tot Ion: 94 Resp: 1059

Ion Ratio Lower Upper

94 100

96 56.6 74.8 112.2#



#11

Tert butyl alcohol

Concen: 1.223 ug/l

RT: 3.01 min Scan# 349

Delta R.T. 0.00 min

Lab File: VX015692.D

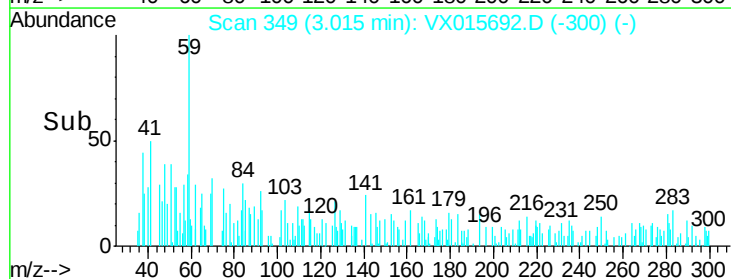
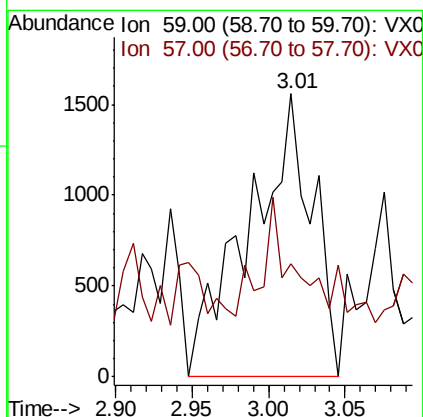
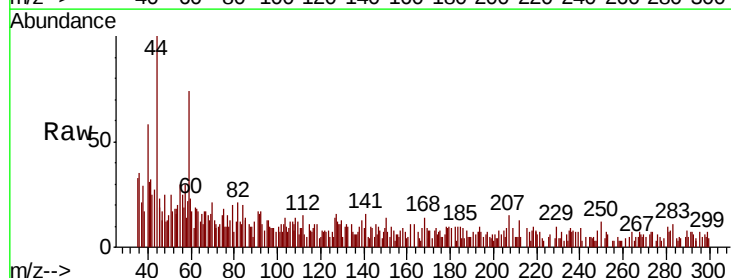
Acq: 15 Apr 2020 18:39

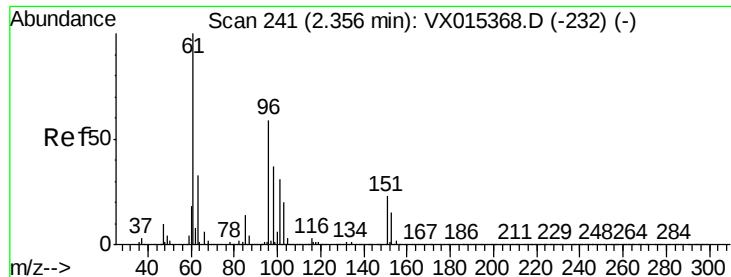
Tgt Ion: 59 Resp: 4453

Ion Ratio Lower Upper

59 100

57 19.7 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 0.269 ug/l

RT: 2.35 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX015692.D

Acq: 15 Apr 2020 18:39

Instrument :

MSVOA_X

ClientSampleId :

SS040MW318-200409

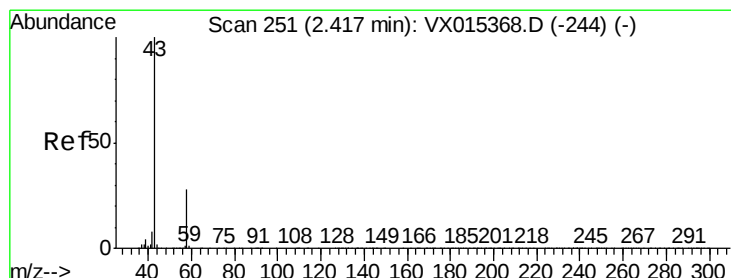
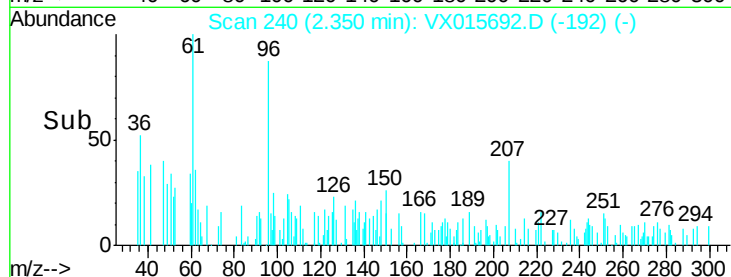
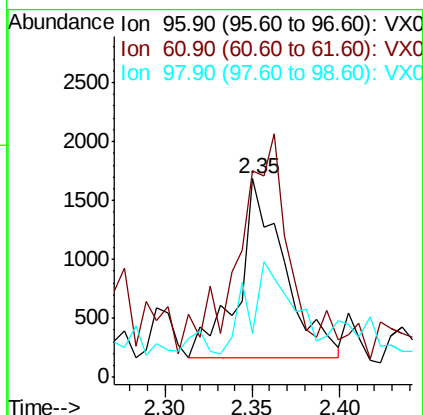
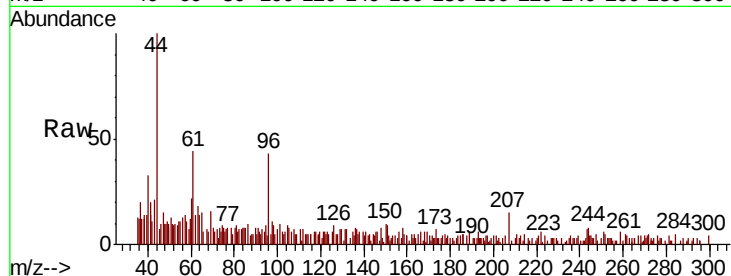
Tot Ion: 96 Resp: 2741

Ion Ratio Lower Upper

96 100

61 94.6 135.7 203.5#

98 2.8 50.6 75.8#



#16

Acetone

Concen: 2.141 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015692.D

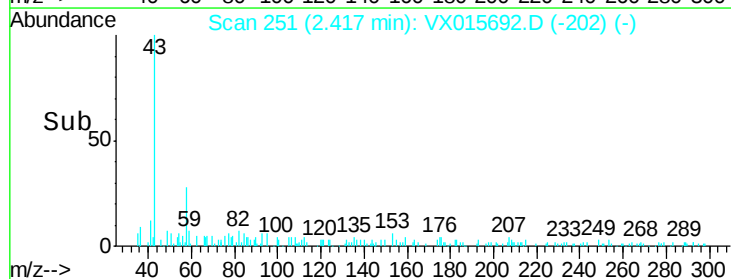
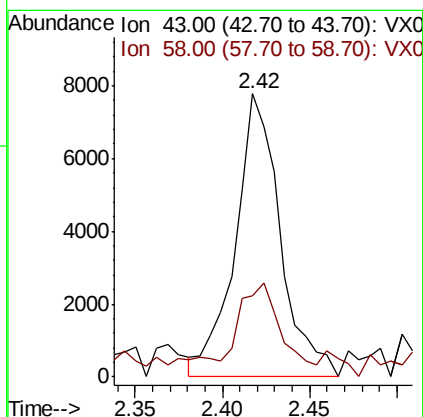
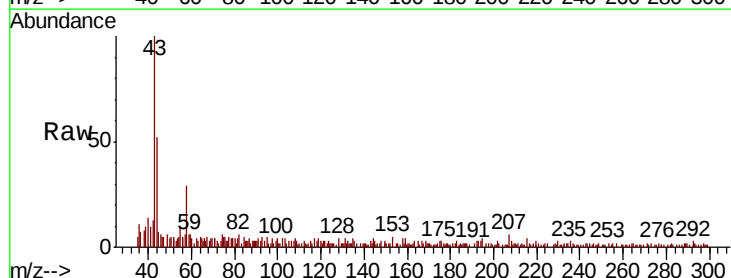
Acq: 15 Apr 2020 18:39

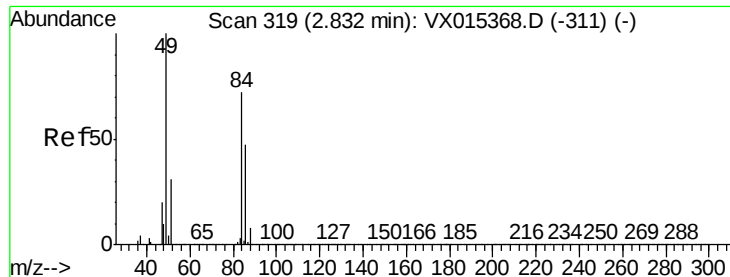
Tgt Ion: 43 Resp: 13985

Ion Ratio Lower Upper

43 100

58 22.5 22.1 33.1

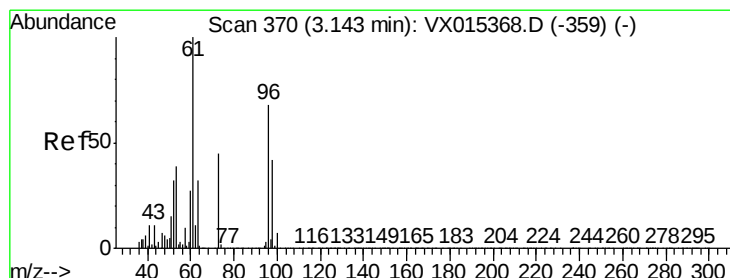
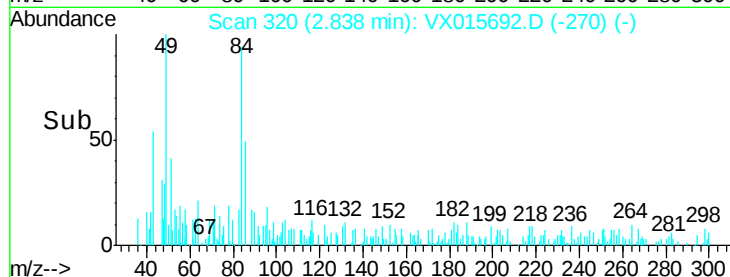
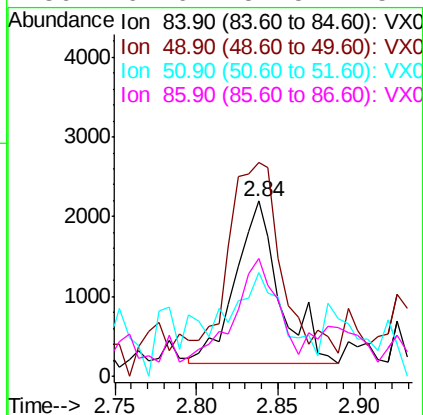
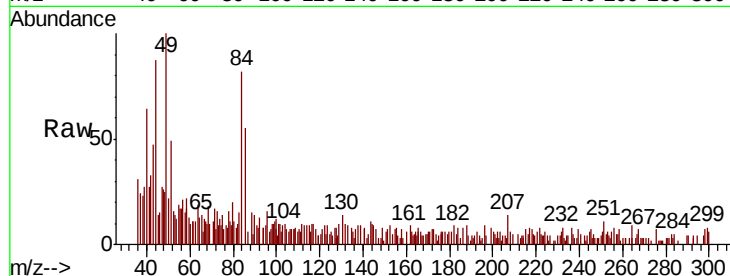




#20
Methylene Chloride
Concen: 0.319 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015692.D
Acq: 15 Apr 2020 18:39

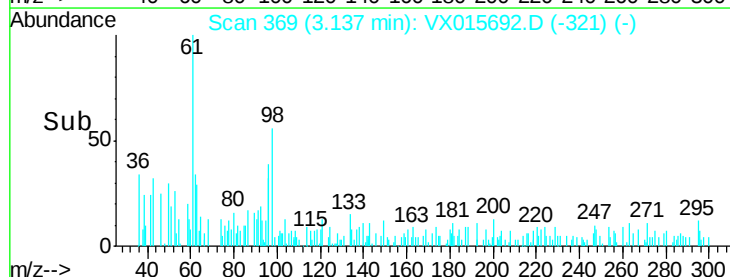
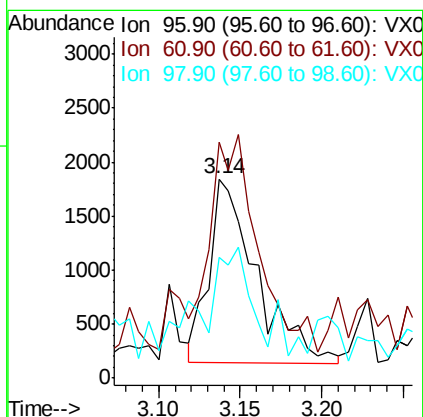
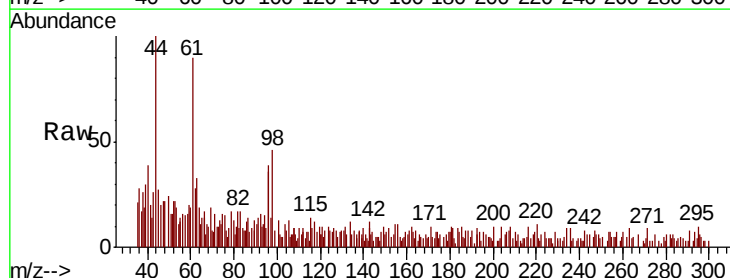
Instrument :
MSVOA_X
ClientSampleId :
SS040MW318-200409

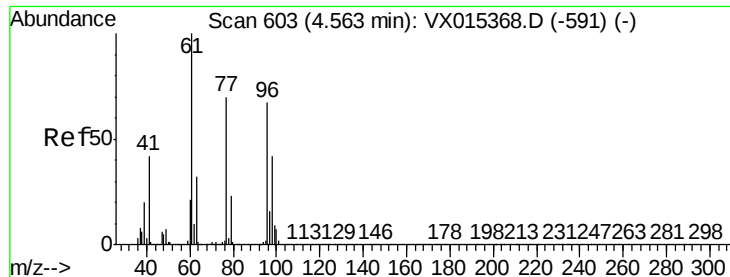
Tot Ion: 84 Resp: 3889
Ion Ratio Lower Upper
84 100
49 120.8 111.3 166.9
51 29.3 34.0 51.0#
86 62.6 52.5 78.7



#21
trans-1,2-Dichloroethene
Concen: 0.306 ug/l
RT: 3.14 min Scan# 369
Delta R.T. -0.01 min
Lab File: VX015692.D
Acq: 15 Apr 2020 18:39

Tgt Ion: 96 Resp: 3462
Ion Ratio Lower Upper
96 100
61 100.4 116.9 175.3#
98 39.4 48.6 73.0#



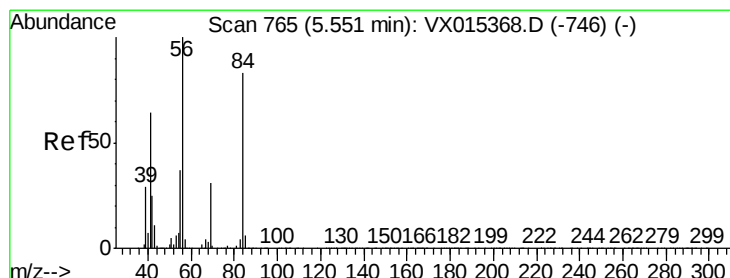
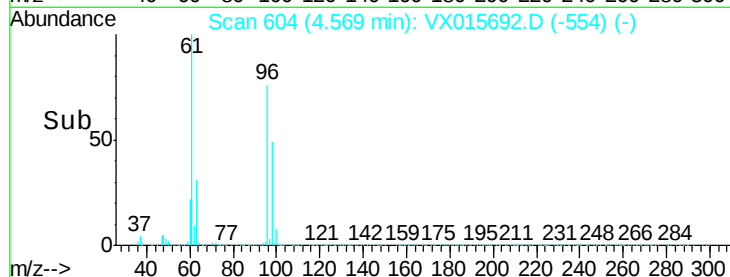
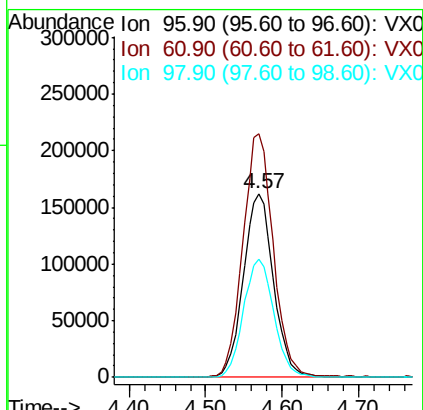
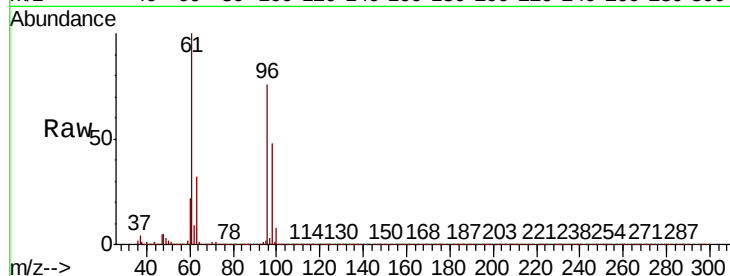


#27

cis-1,2-Dichloroethene
Concen: 33.982 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX015692.D
Acq: 15 Apr 2020 18:39

Instrument :
MSVOA_X
ClientSampleId :
SS040MW318-200409

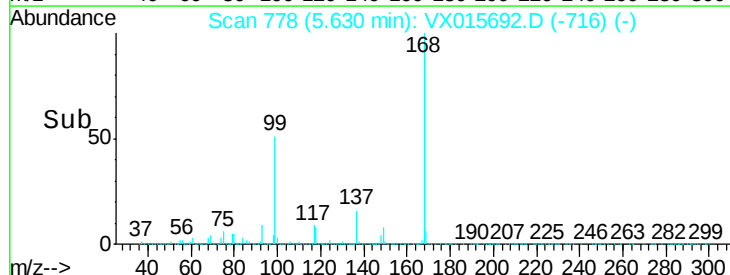
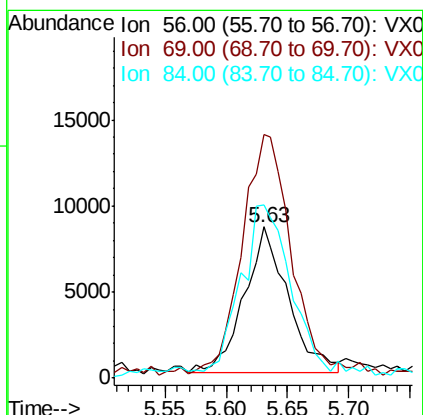
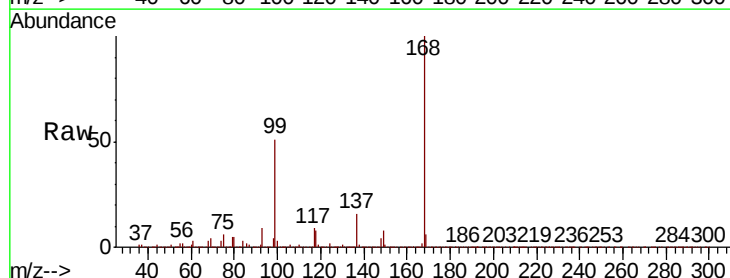
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	308.4
98	65.1	0.0	129.2

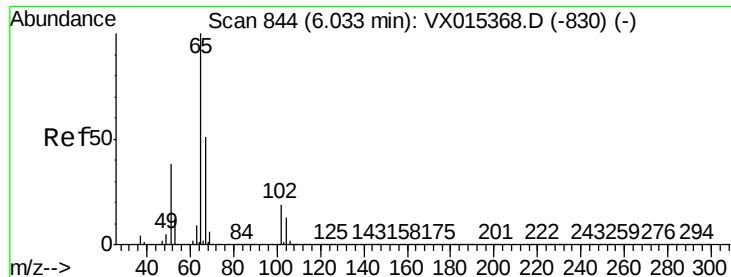


#31

Cyclohexane
Concen: 1.099 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015692.D
Acq: 15 Apr 2020 18:39

Tgt Ion	Ratio	Lower	Upper
56	100		
69	164.6	24.6	36.8#
84	114.0	66.1	99.1#





#33

1,2-Dichloroethane-d4

Concen: 43.386 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015692.D

Acq: 15 Apr 2020 18:39

Instrument :

MSVOA_X

ClientSampleId :

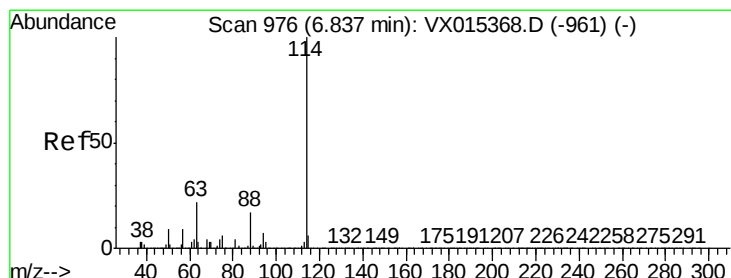
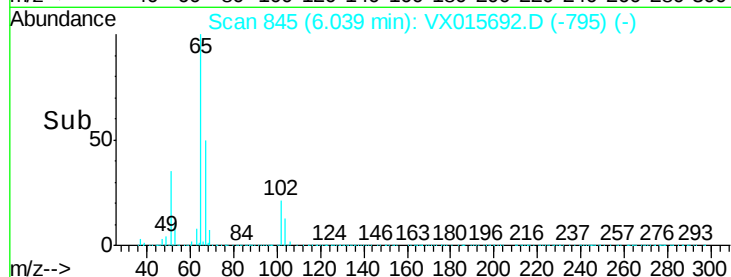
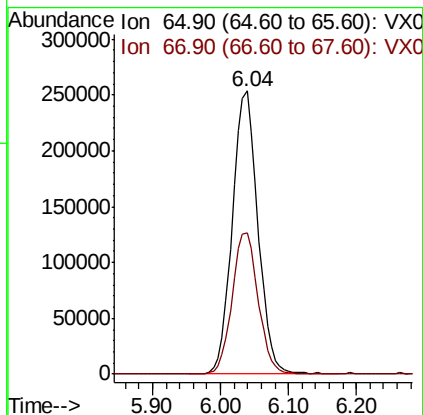
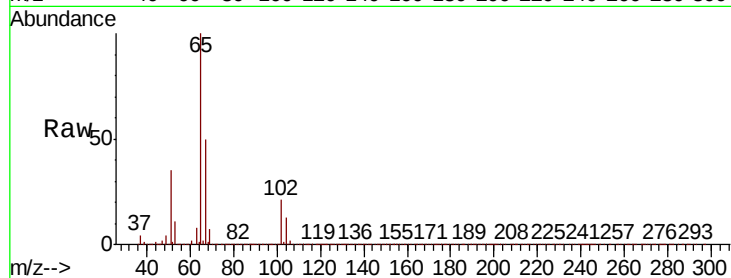
SS040MW318-200409

Tot Ion: 65 Resp: 659742

Ion Ratio Lower Upper

65 100

67 50.4 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: VX015692.D

Acq: 15 Apr 2020 18:39

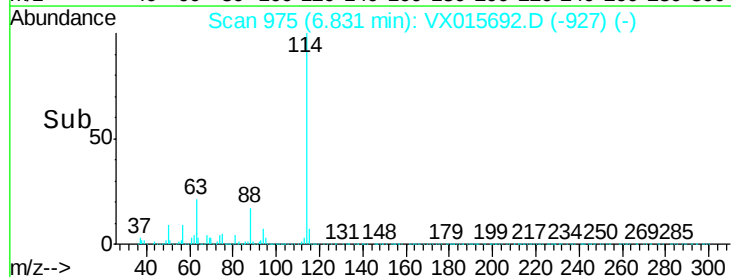
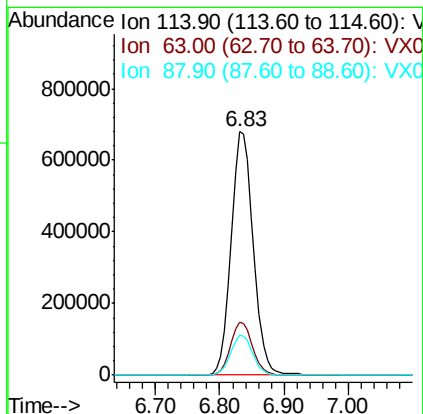
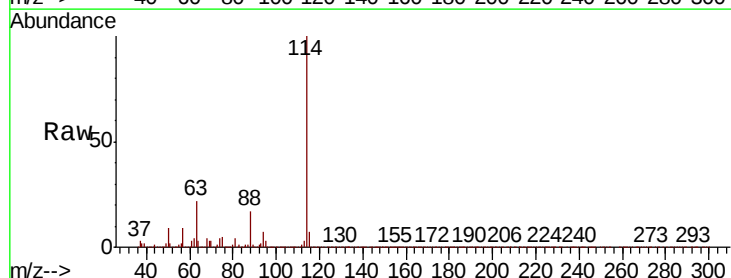
Tgt Ion: 114 Resp: 1643407

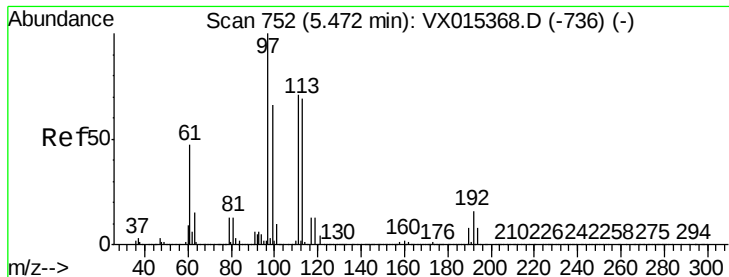
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.2

88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 47.572 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015692.D

Acq: 15 Apr 2020 18:39

Instrument :

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SS040MW318-200409

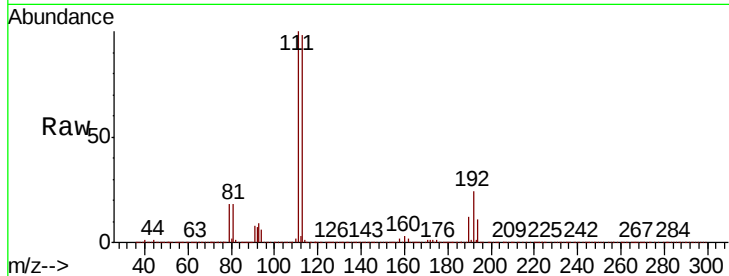
Tot Ion:113 Resp: 499745

Ion Ratio Lower Upper

113 100

111 102.1 81.5 122.3

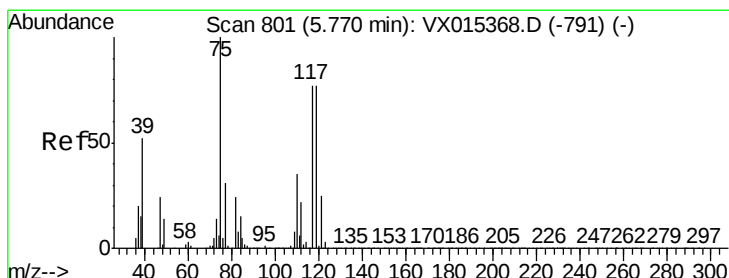
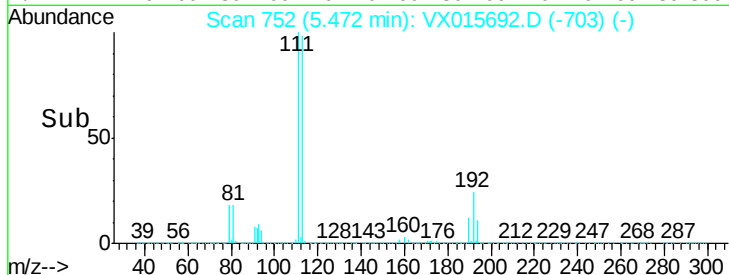
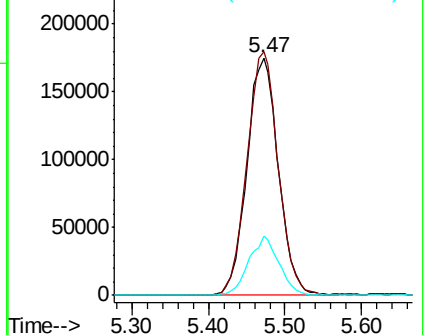
192 23.7 17.8 26.6



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: 4.641 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015692.D

Acq: 15 Apr 2020 18:39

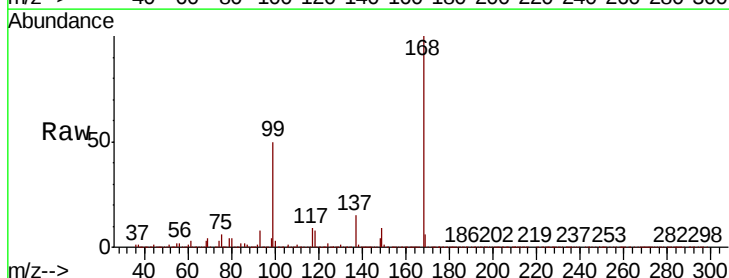
Tgt Ion: 75 Resp: 70270

Ion Ratio Lower Upper

75 100

110 12.6 17.1 51.3#

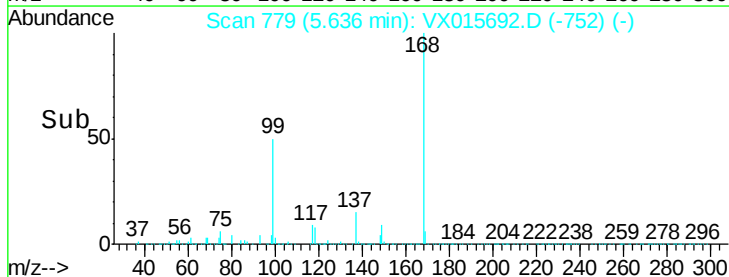
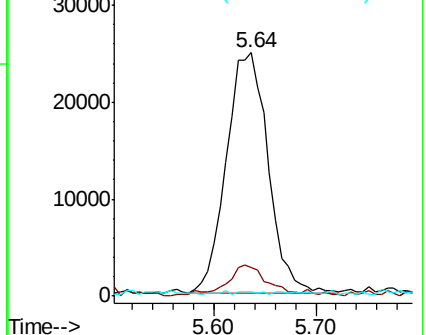
77 0.6 24.6 36.8#

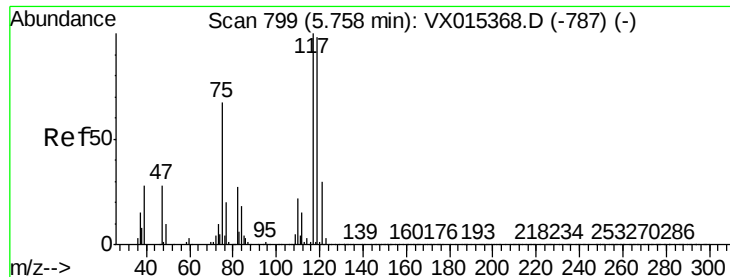


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.093 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015692.D

Acq: 15 Apr 2020 18:39

Instrument :

MSVOA_X

ClientSampleId :

SS040MW318-200409

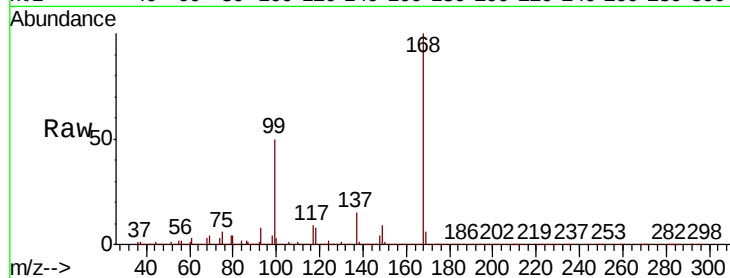
Tot Ion:117 Resp: 99927

Ion Ratio Lower Upper

117 100

119 4.6 78.0 117.0#

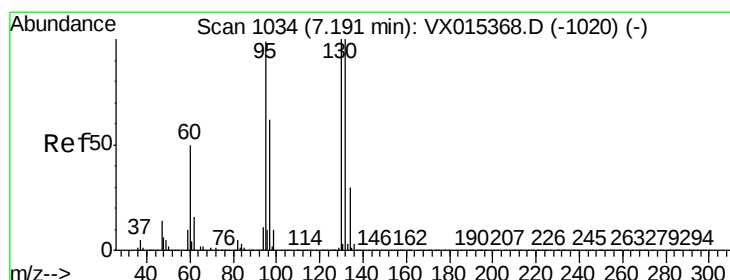
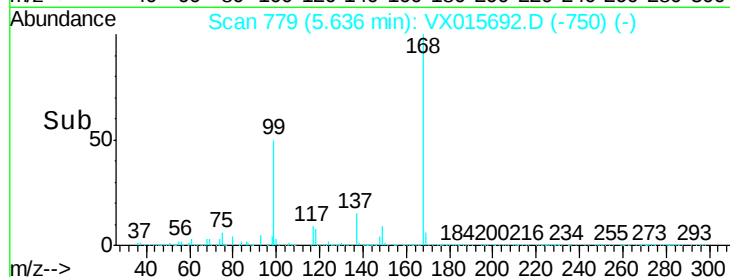
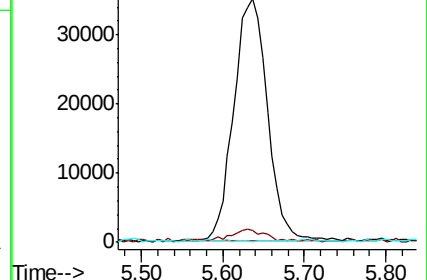
121 0.0 23.8 35.8#



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: 36.011 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015692.D

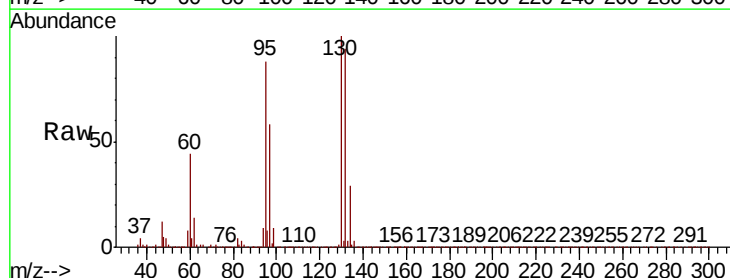
Acq: 15 Apr 2020 18:39

Tgt Ion:130 Resp: 435625

Ion Ratio Lower Upper

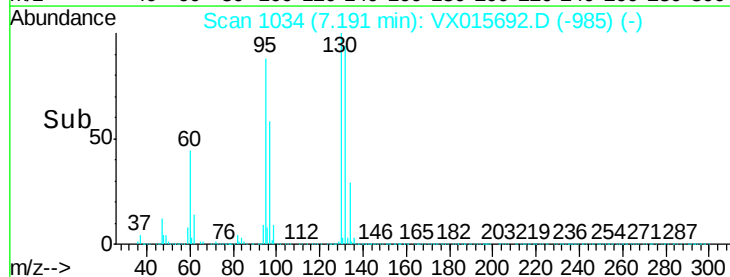
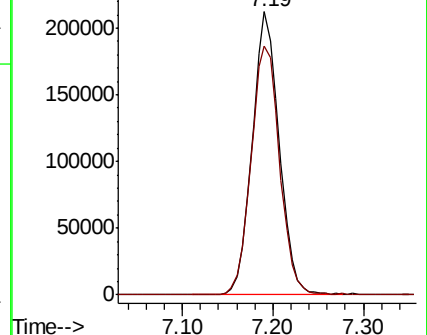
130 100

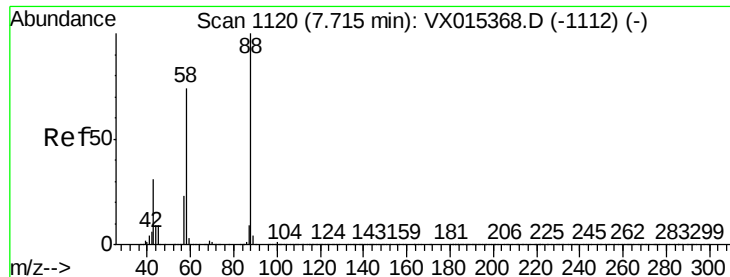
95 87.6 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 2.357 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VX015692.D

Acq: 15 Apr 2020 18:39

Instrument :

MSVOA_X

ClientSampleId :

SS040MW318-200409

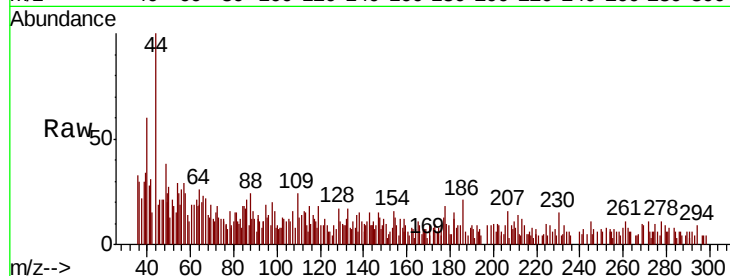
Tot Ion: 88 Resp: 731

Ion Ratio Lower Upper

88 100

43 49.5 30.1 45.1#

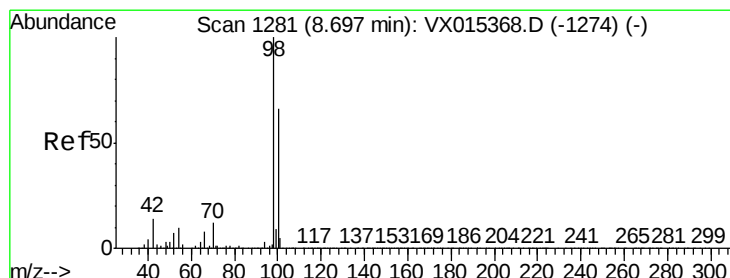
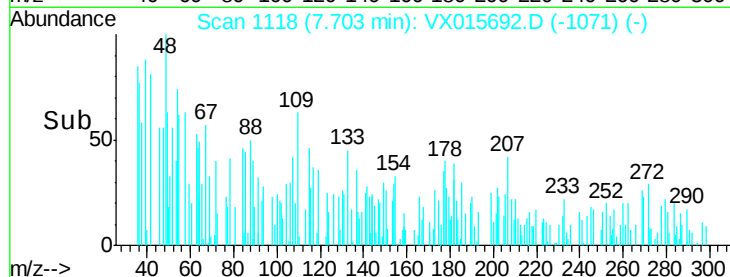
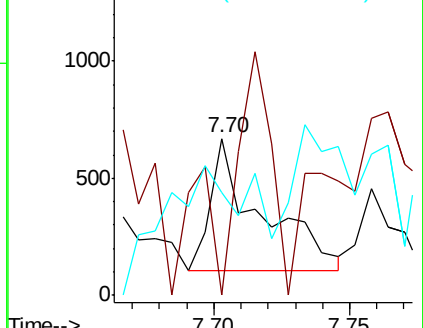
58 68.8 60.6 90.8



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: 50.670 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015692.D

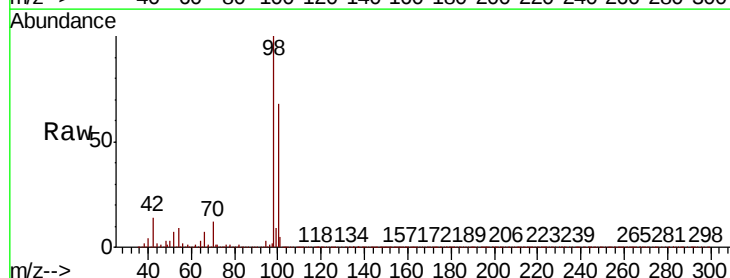
Acq: 15 Apr 2020 18:39

Tgt Ion: 98 Resp: 1959753

Ion Ratio Lower Upper

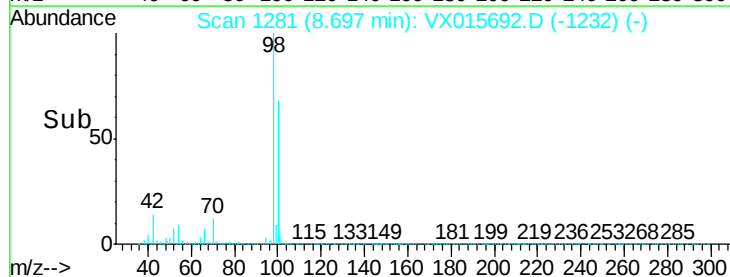
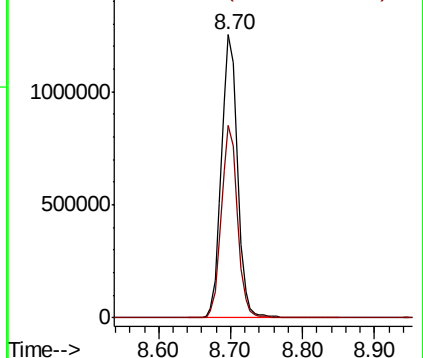
98 100

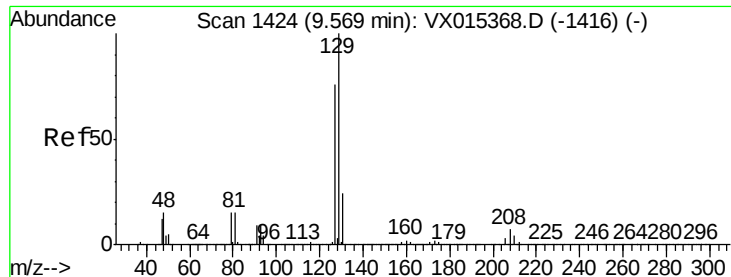
100 67.3 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

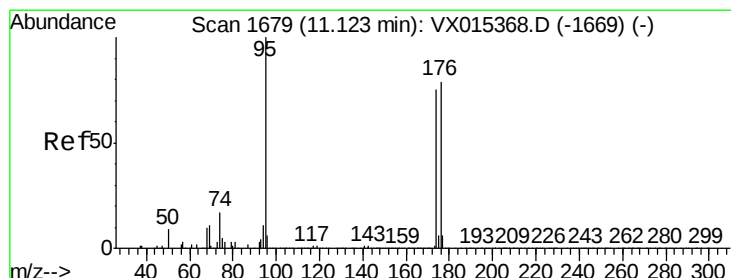
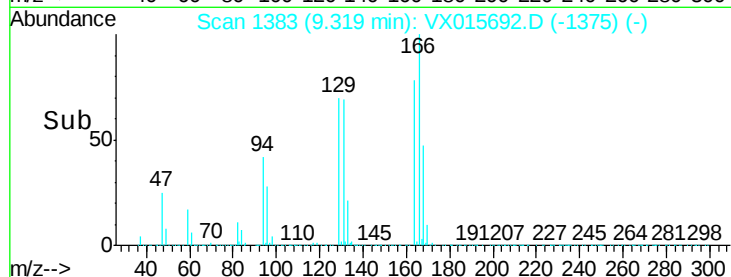
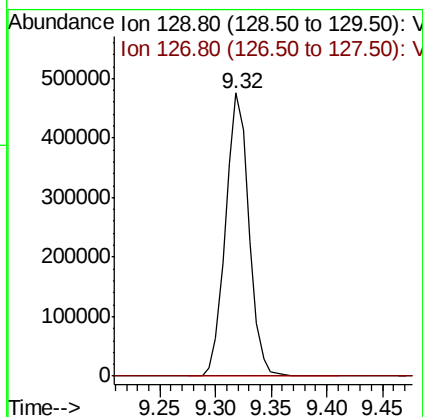
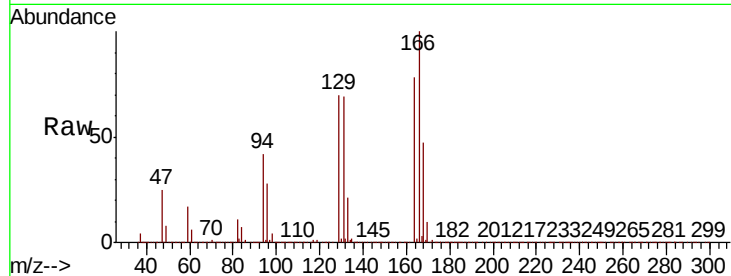




#60
Dibromochloromethane
Concen: 51.048 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.25 min
Lab File: VX015692.D
Acq: 15 Apr 2020 18:39

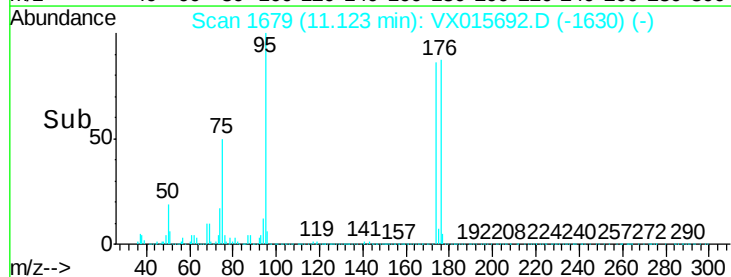
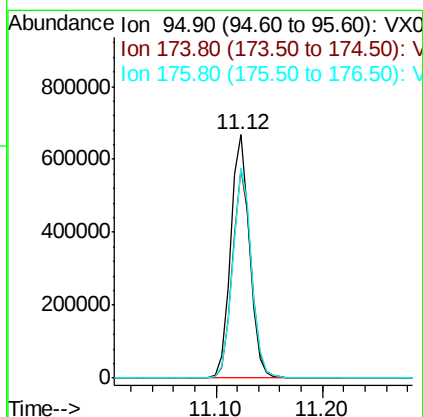
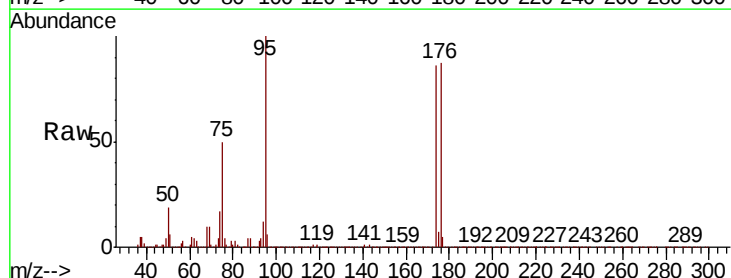
Instrument :
MSVOA_X
ClientSampleId :
SS040MW318-200409

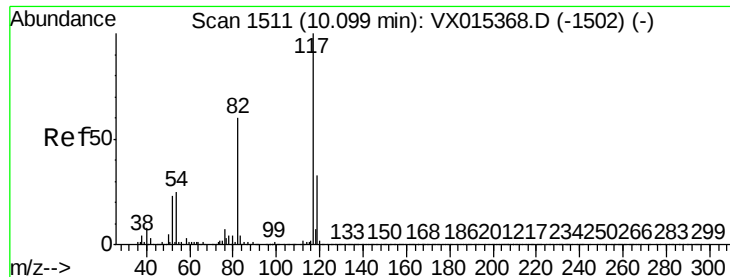
Tot Ion:129 Resp: 687262
Ion Ratio Lower Upper
129 100
127 0.1 38.2 114.6#



#62
4-Bromofluorobenzene
Concen: 52.901 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015692.D
Acq: 15 Apr 2020 18:39

Tgt Ion: 95 Resp: 831523
Ion Ratio Lower Upper
95 100
174 85.3 0.0 158.6
176 85.9 0.0 159.0

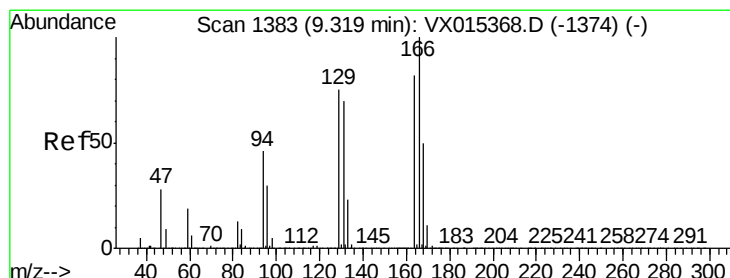
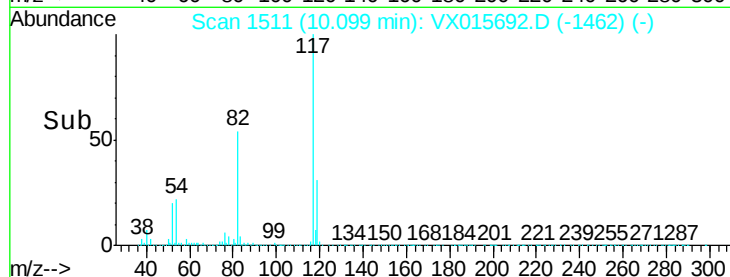
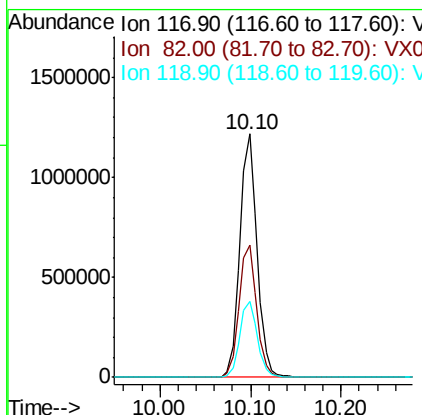
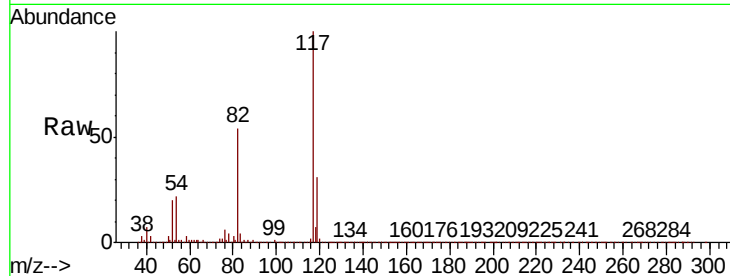




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015692.D
Acq: 15 Apr 2020 18:39

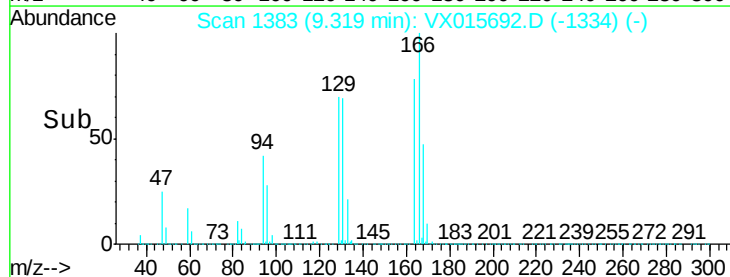
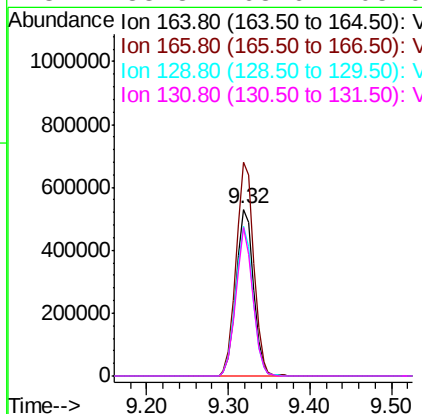
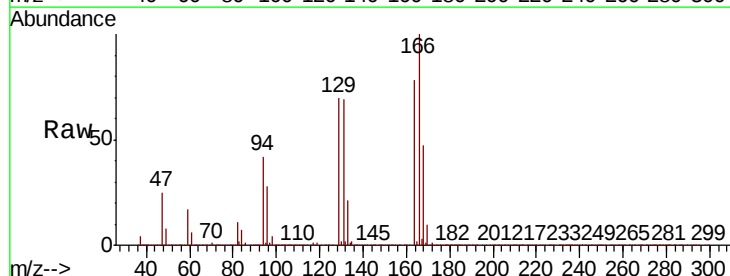
Instrument :
MSVOA_X
ClientSampleId :
SS040MW318-200409

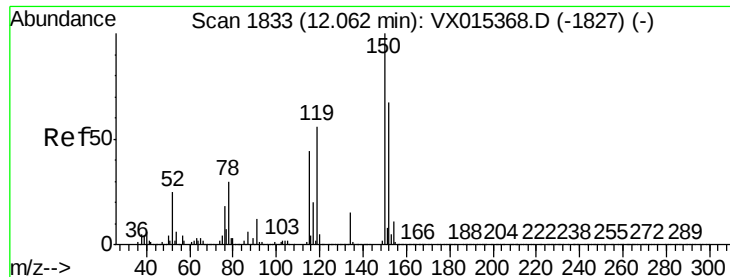
Tot Ion:117 Resp: 1601598
Ion Ratio Lower Upper
117 100
82 54.5 47.8 71.8
119 31.2 26.8 40.2



#64
Tetrachloroethene
Concen: 63.329 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015692.D
Acq: 15 Apr 2020 18:39

Tgt Ion:164 Resp: 765446
Ion Ratio Lower Upper
164 100
166 128.2 97.8 146.6
129 89.7 73.0 109.4
131 88.8 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: VX015692.D

Acq: 15 Apr 2020 18:39

Instrument :

MSVOA_X

ClientSampleId :

SS040MW318-200409

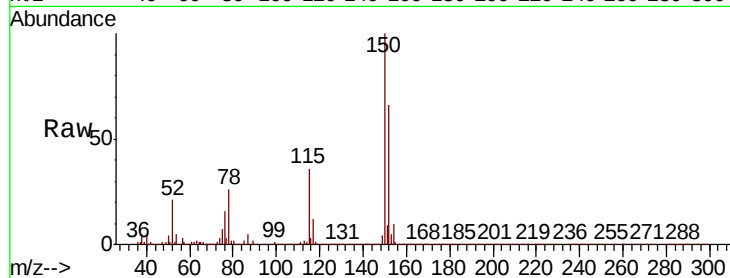
Tot Ion:152 Resp: 891738

Ion Ratio Lower Upper

152 100

115 55.8 39.0 116.9

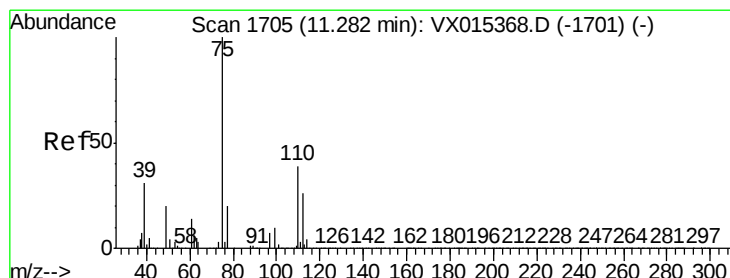
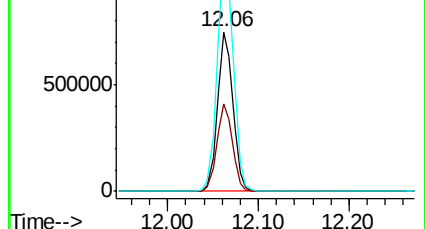
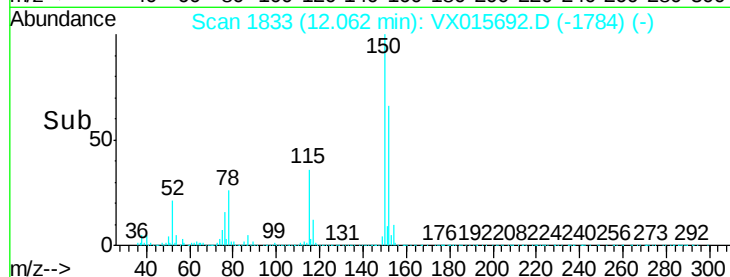
150 155.2 0.0 340.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.599 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015692.D

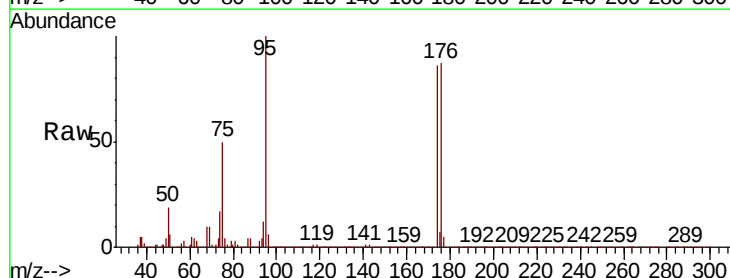
Acq: 15 Apr 2020 18:39

Tgt Ion: 75 Resp: 414414

Ion Ratio Lower Upper

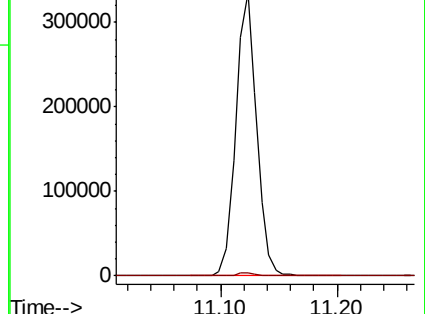
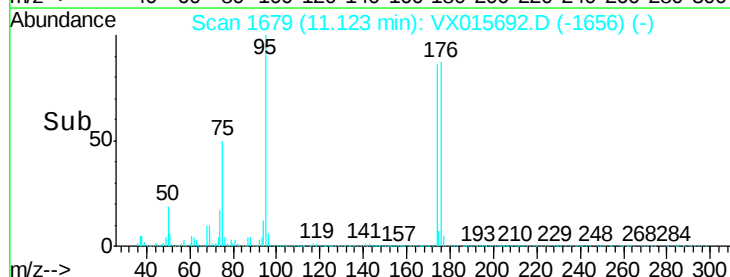
75 100

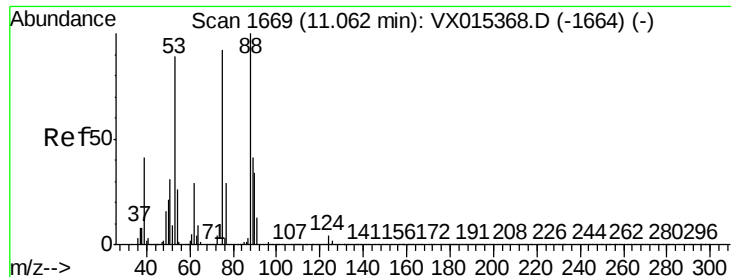
77 1.4 21.2 63.6#



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: 54.225 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015692.D

Acq: 15 Apr 2020 18:39

Instrument :

MSVOA_X

ClientSampleId :

SS040MW318-200409

Tot Ion: 75 Resp: 414414

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 36.1 54.1#

