

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042120\
 Data File : VX015828.D
 Acq On : 22 Apr 2020 05:06
 Operator : JC/SP
 Sample : L2340-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHASSIS-WASH

Quant Time: Apr 22 07:21:34 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	967202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1547190	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1459291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	832697	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	552913	40.53	ug/l	0.00
Spiked Amount			Recovery	=	81.06%	
35) Dibromofluoromethane	5.47	113	451163	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	
50) Toluene-d8	8.70	98	1841791	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.12	95	768738	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	

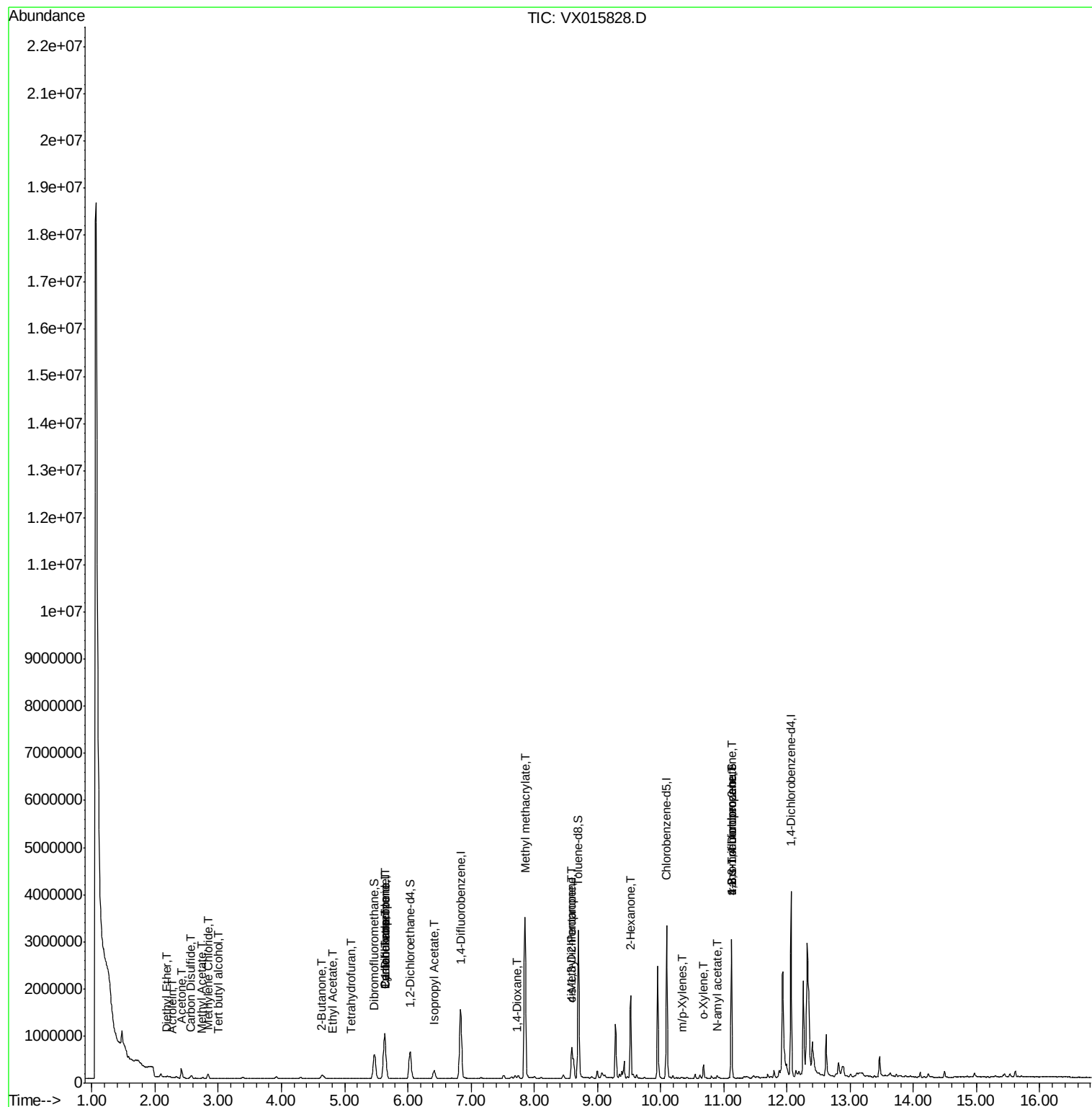
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	346	Below Cal	#	44
8) Diethyl Ether	2.18	74	4559	0.809	ug/l #	1
11) Tert butyl alcohol	3.01	59	4193	1.284	ug/l #	47
13) Acrolein	2.28	56	2862	1.539	ug/l #	70
16) Acetone	2.42	43	244880	41.784	ug/l	98
17) Carbon Disulfide	2.56	76	28286	1.015	ug/l	97
18) Methyl Acetate	2.75	43	14997	1.003	ug/l	99
20) Methylene Chloride	2.84	84	41785	3.817	ug/l	97
25) 2-Butanone	4.64	43	97708	10.367	ug/l	94
29) Tetrahydrofuran	5.10	42	3505	0.578	ug/l #	77
31) Cyclohexane	5.64	56	18579	1.076	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	67661	4.746	ug/l #	53
37) Ethyl Acetate	4.82	43	8154	0.439	ug/l #	89
38) Carbon Tetrachloride	5.63	117	87143	5.644	ug/l #	14
43) Isopropyl Acetate	6.42	43	259425	8.279	ug/l	99
48) Methyl methacrylate	7.85	41	292248	18.673	ug/l #	48
49) 1,4-Dioxane	7.72	88	3470	11.885	ug/l #	20
51) 4-Methyl-2-Pentanone	8.60	43	269311	15.166	ug/l #	38
54) cis-1,3-Dichloropropene	8.59	75	107520	5.636	ug/l #	51
59) 2-Hexanone	9.53	43	210601	15.709	ug/l #	55
68) m/p-Xylenes	10.34	106	4777	0.249	ug/l	91
69) o-Xylene	10.68	106	5656	0.298	ug/l	89
74) N-amyl acetate	10.89	43	13946	0.460	ug/l #	55
76) 1,2,3-Trichloropropane	11.12	75	373883	21.834	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	373883	52.390	ug/l #	10

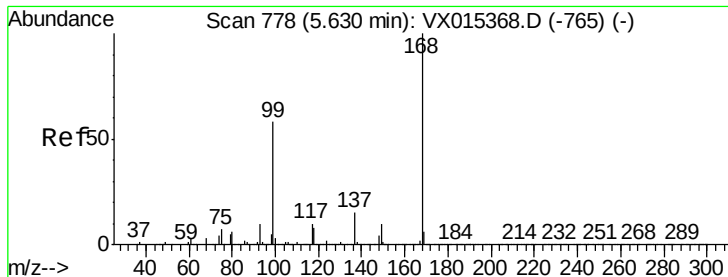
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042120\
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Quant Time: Apr 22 07:21:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
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# 779

Delta R.T. 0.01 min

Lab File: VX015828.D

Acq: 22 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

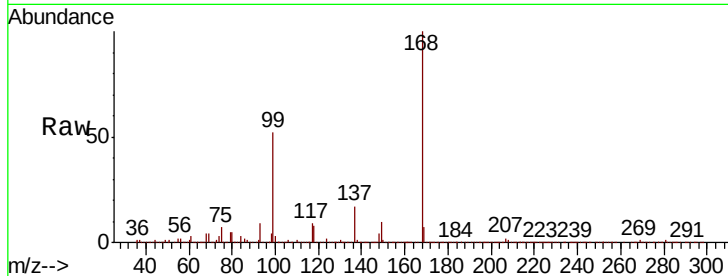
CHASSIS-WASH

Tot Ion:168 Resp: 967202

Ion Ratio Lower Upper

168 100

99 51.6 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

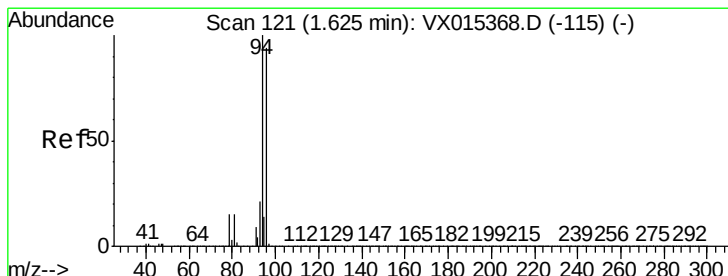
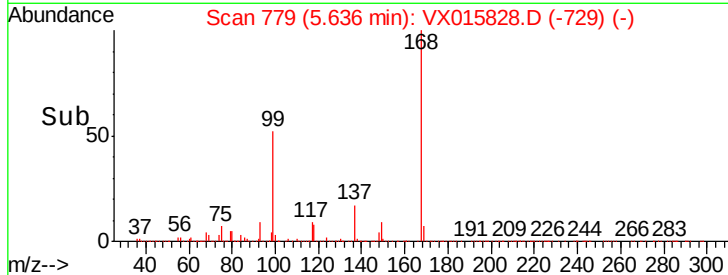
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015828.D

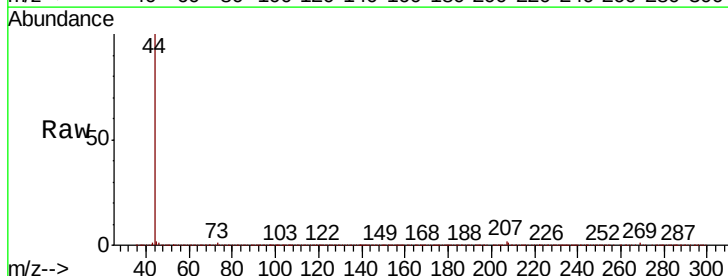
Acq: 22 Apr 2020 05:06

Tgt Ion: 94 Resp: 346

Ion Ratio Lower Upper

94 100

96 39.6 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

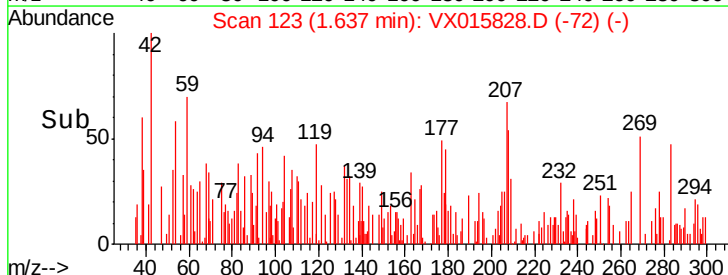
1500

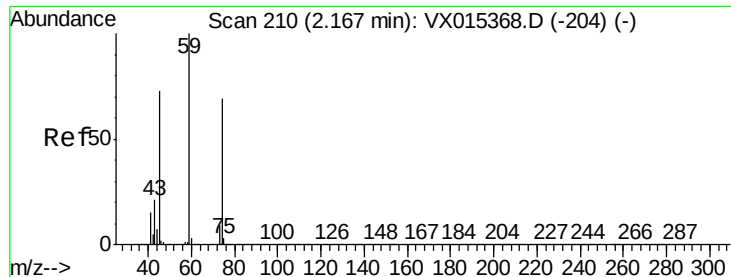
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.809 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX015828.D

Acq: 22 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

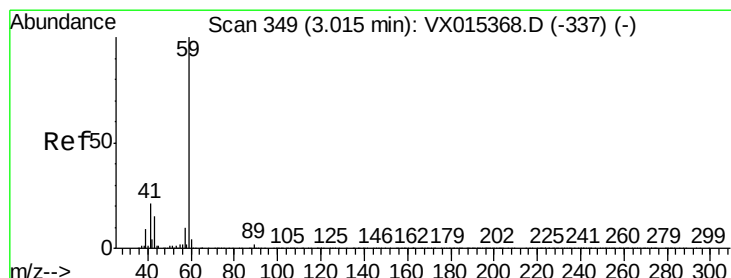
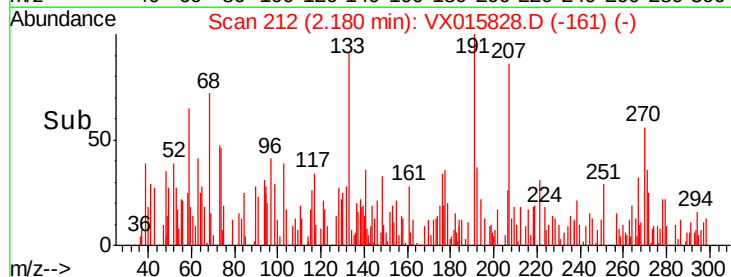
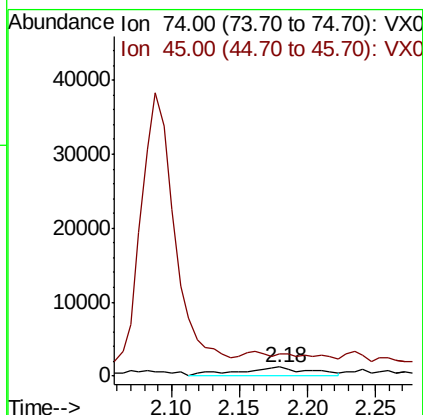
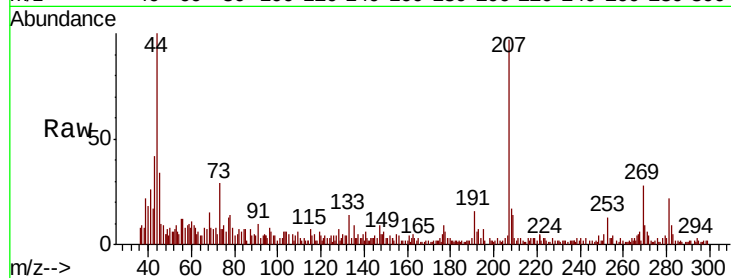
CHASSIS-WASH

Tot Ion: 74 Resp: 4559

Ion Ratio Lower Upper

74 100

45 0.0 53.8 161.4#



#11

Tert butyl alcohol

Concen: 1.284 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015828.D

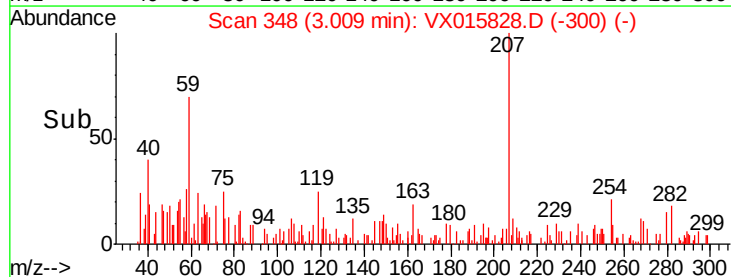
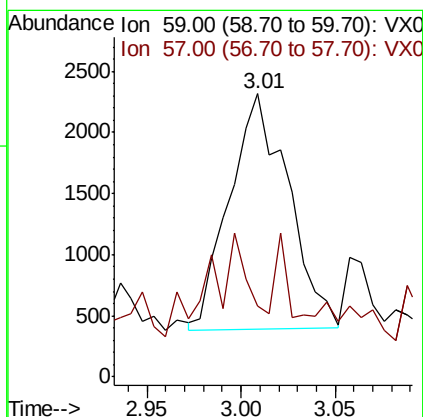
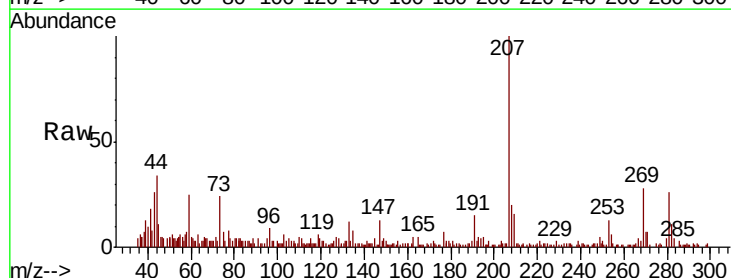
Acq: 22 Apr 2020 05:06

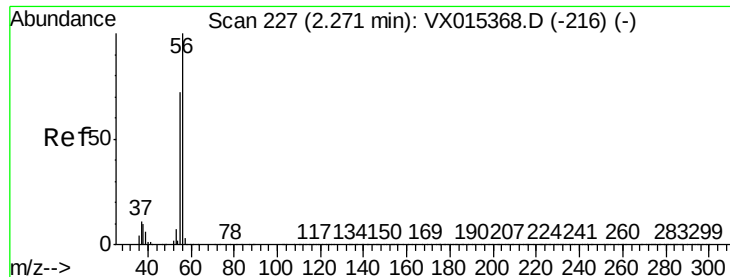
Tgt Ion: 59 Resp: 4193

Ion Ratio Lower Upper

59 100

57 29.9 8.1 12.1#





#13

Acrolein

Concen: 1.539 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.01 min

Lab File: VX015828.D

Acq: 22 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

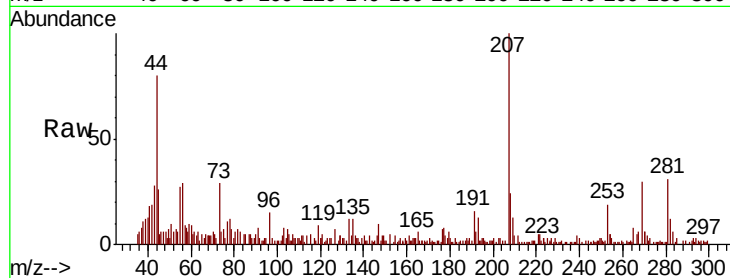
CHASSIS-WASH

Tot Ion: 56 Resp: 2862

Ion Ratio Lower Upper

56 100

55 95.7 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

2500

2000

1500

1000

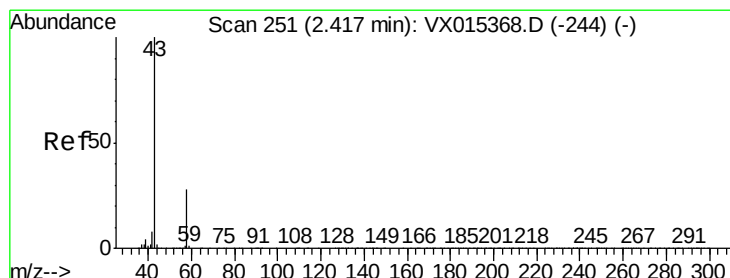
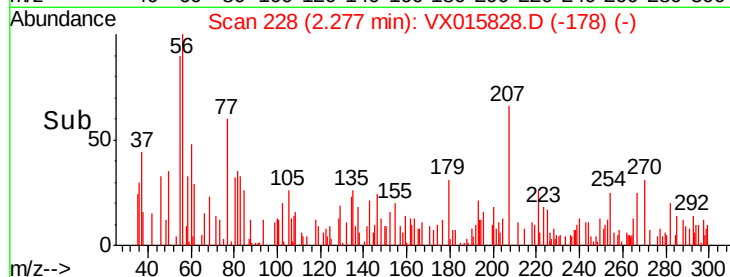
500

0

Time-->

2.25

2.30



#16

Acetone

Concen: 41.784 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015828.D

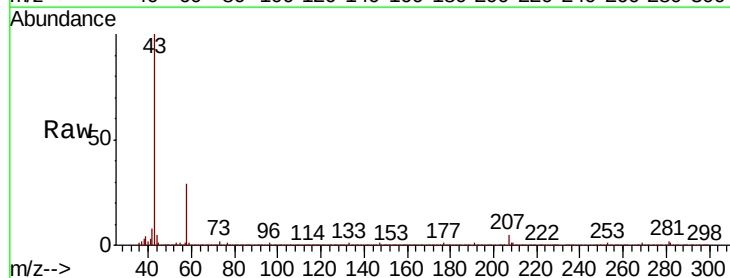
Acq: 22 Apr 2020 05:06

Tgt Ion: 43 Resp: 244880

Ion Ratio Lower Upper

43 100

58 28.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

150000

100000

50000

0

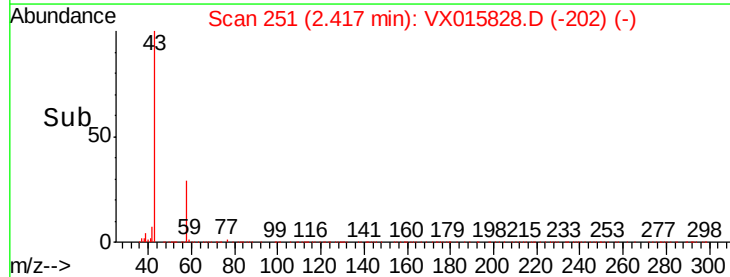
Time-->

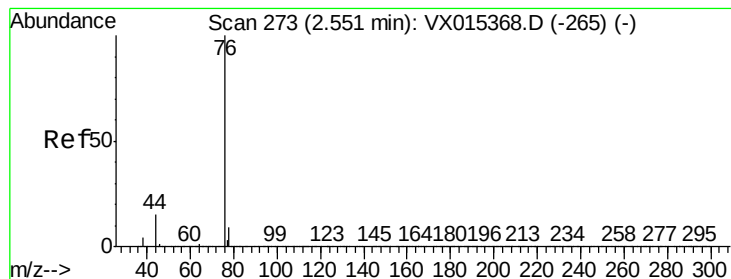
2.35

2.40

2.45

2.50





#17

Carbon Disulfide

Concen: 1.015 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015828.D

Acq: 22 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

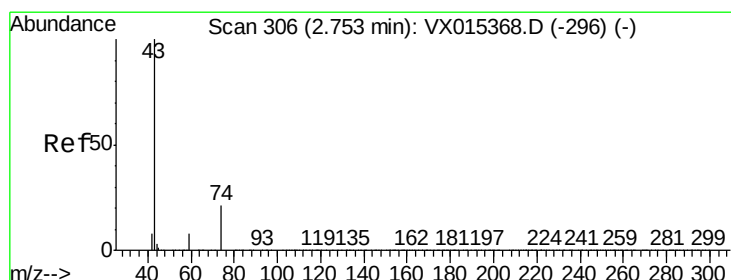
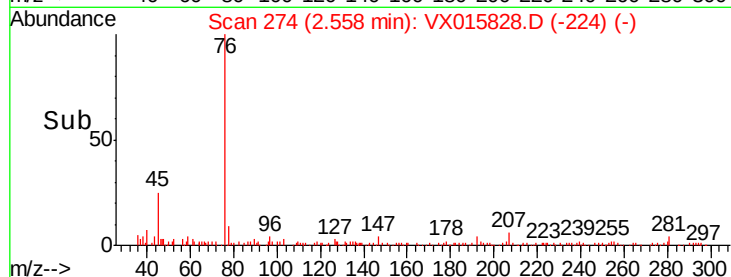
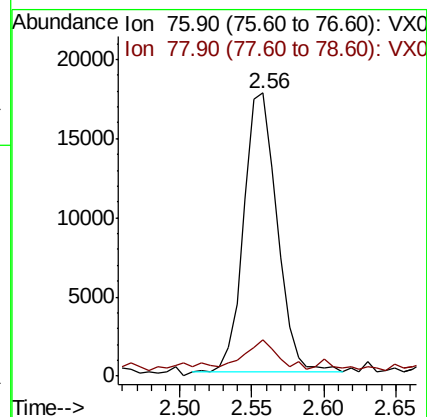
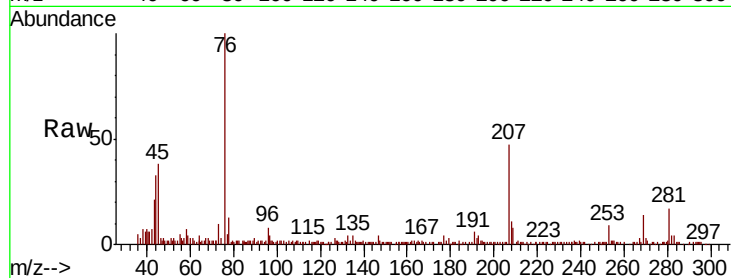
CHASSIS-WASH

Tot Ion: 76 Resp: 28286

Ion Ratio Lower Upper

76 100

78 9.9 7.1 10.7



#18

Methyl Acetate

Concen: 1.003 ug/l

RT: 2.75 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX015828.D

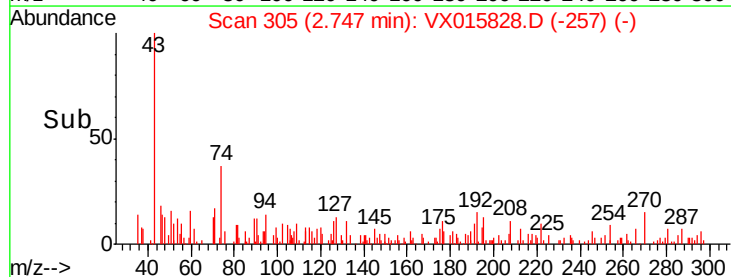
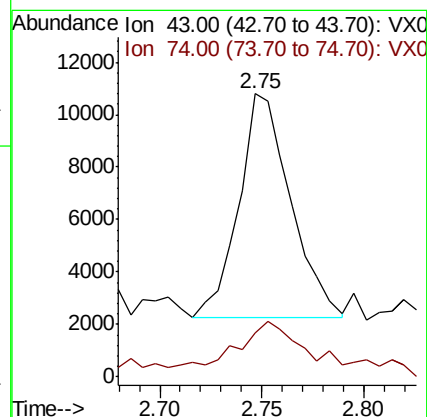
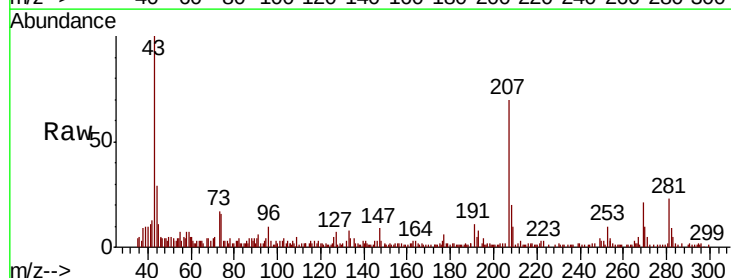
Acq: 22 Apr 2020 05:06

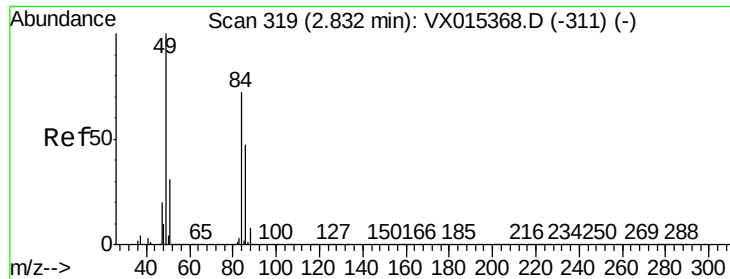
Tgt Ion: 43 Resp: 14997

Ion Ratio Lower Upper

43 100

74 20.3 16.5 24.7

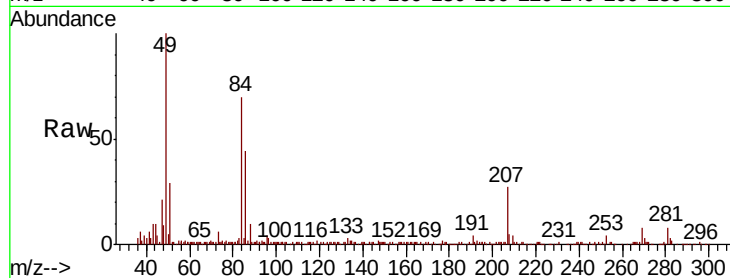




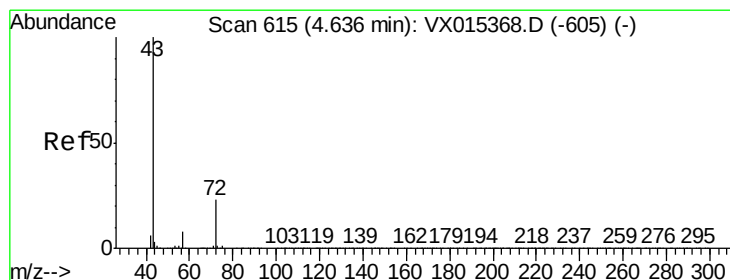
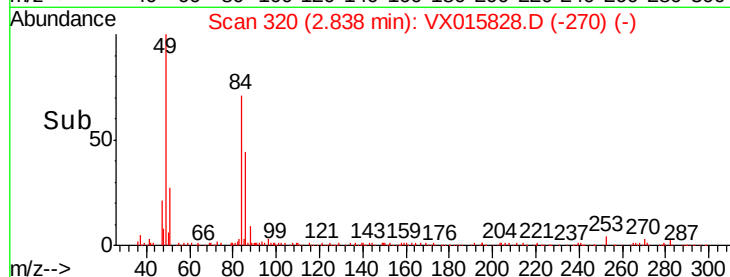
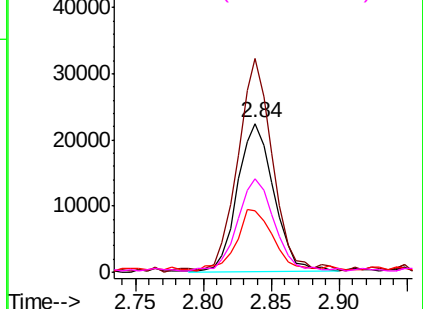
#20
Methylene Chloride
Concen: 3.817 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015828.D
Acq: 22 Apr 2020 05:06

Instrument :
MSVOA_X
ClientSampleId :
CHASSIS-WASH

Tot Ion:	84	Resp:	41785
Ion	Ratio	Lower	Upper
84	100		
49	142.1	111.3	166.9
51	39.3	34.0	51.0
86	61.9	52.5	78.7

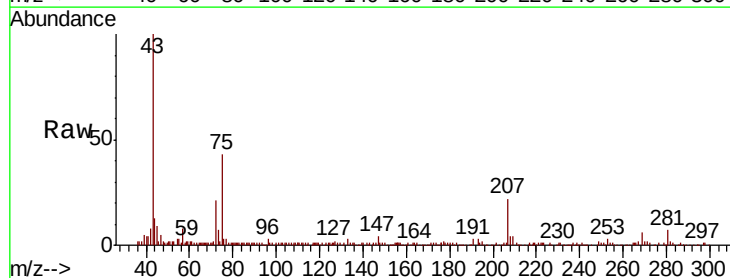


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

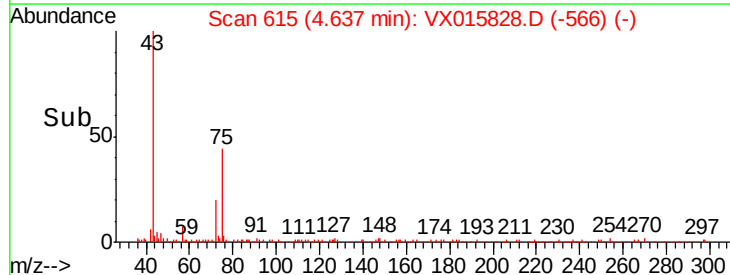
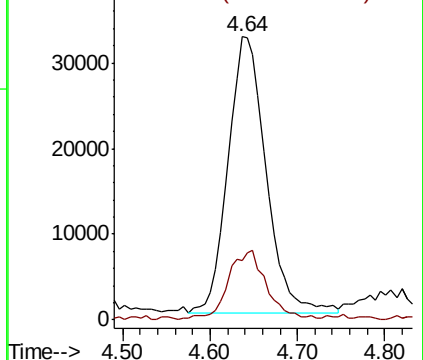


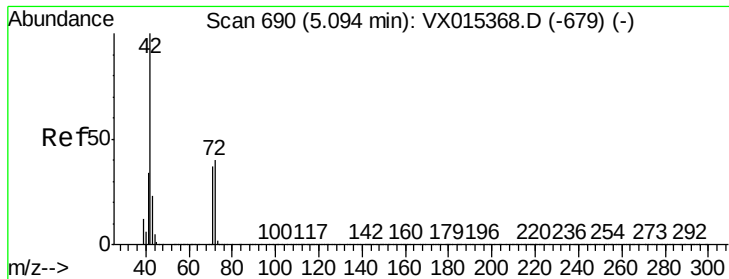
#25
2-Butanone
Concen: 10.367 ug/l
RT: 4.64 min Scan# 615
Delta R.T. 0.00 min
Lab File: VX015828.D
Acq: 22 Apr 2020 05:06

Tgt Ion:	43	Resp:	97708
Ion	Ratio	Lower	Upper
43	100		
72	20.9	19.0	28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.578 ug/l

RT: 5.10 min Scan# 691

Delta R.T. 0.01 min

Lab File: VX015828.D

Acq: 22 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

CHASSIS-WASH

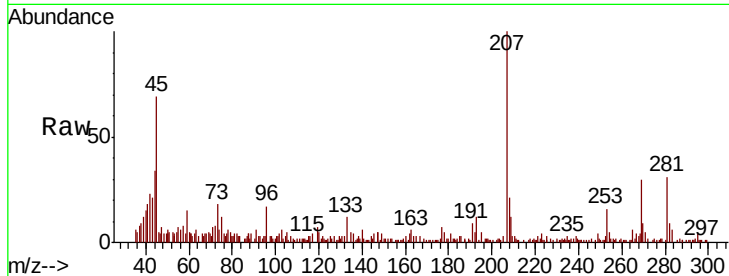
Tot Ion: 42 Resp: 3505

Ion Ratio Lower Upper

42 100

72 30.6 31.7 47.5#

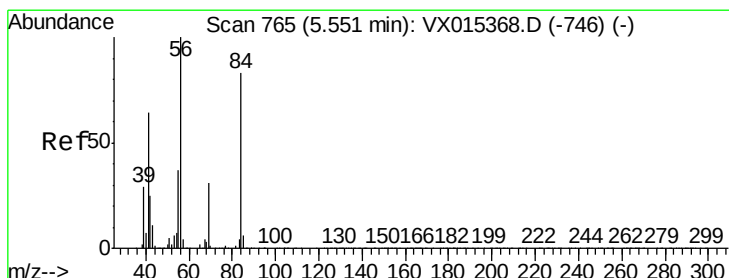
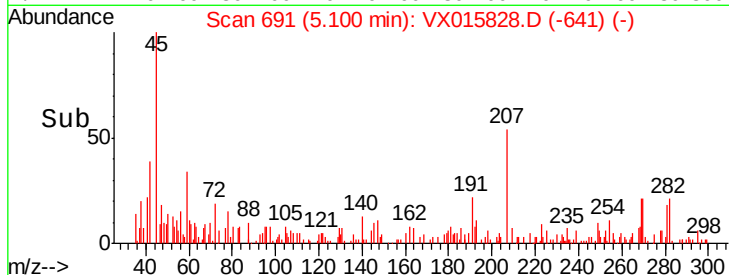
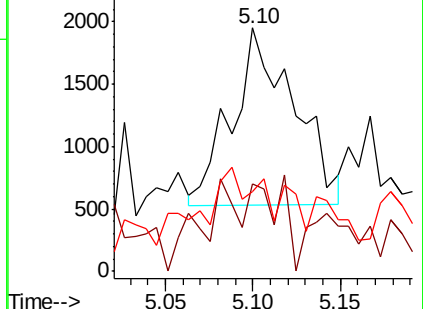
71 17.5 29.6 44.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.076 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.09 min

Lab File: VX015828.D

Acq: 22 Apr 2020 05:06

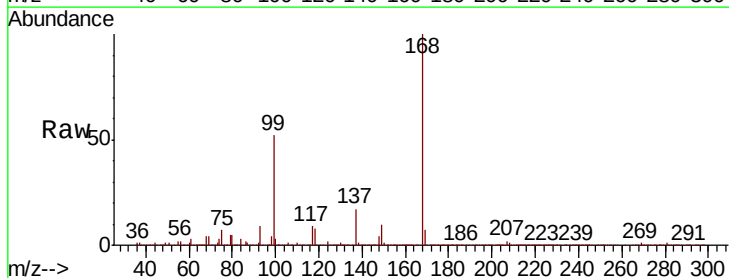
Tgt Ion: 56 Resp: 18579

Ion Ratio Lower Upper

56 100

69 197.0 24.6 36.8#

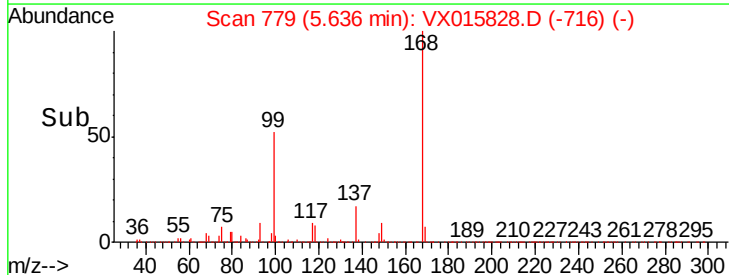
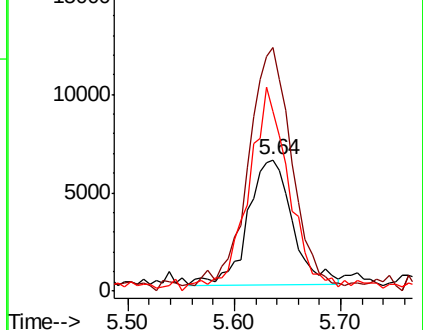
84 146.6 66.1 99.1#

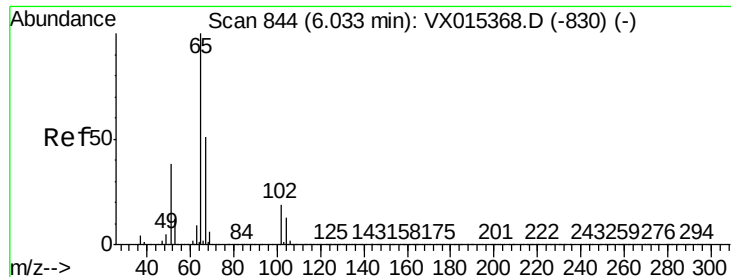


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

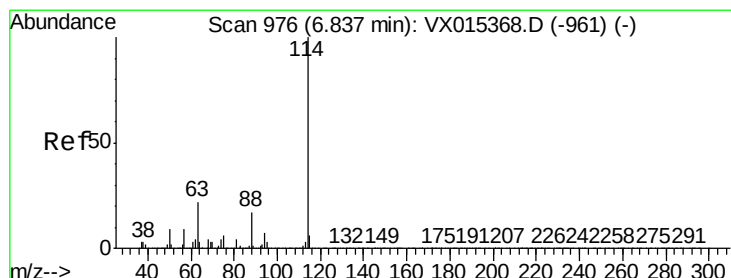
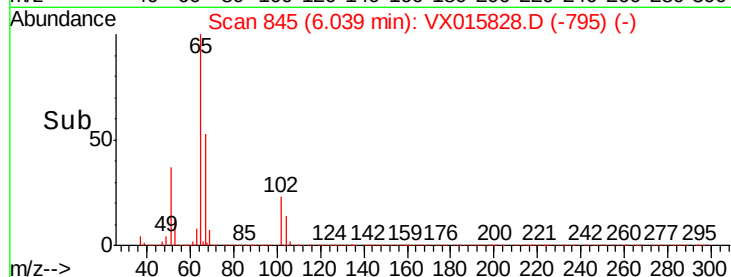
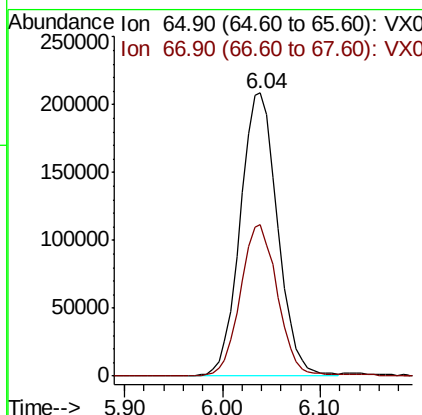
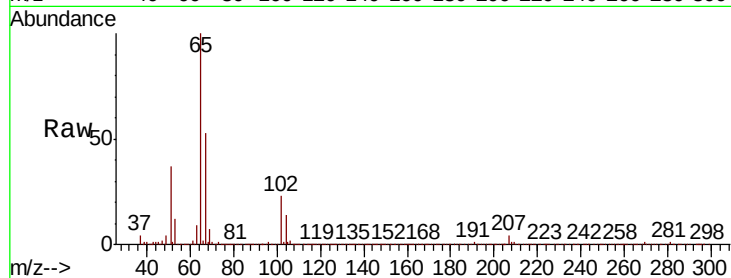




#33
 1,2-Dichloroethane-d4
 Concen: 40.532 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015828.D
 Acq: 22 Apr 2020 05:06

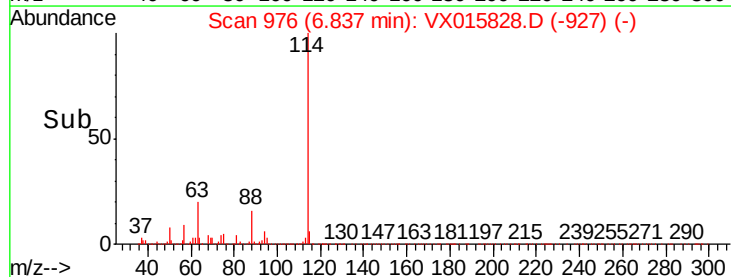
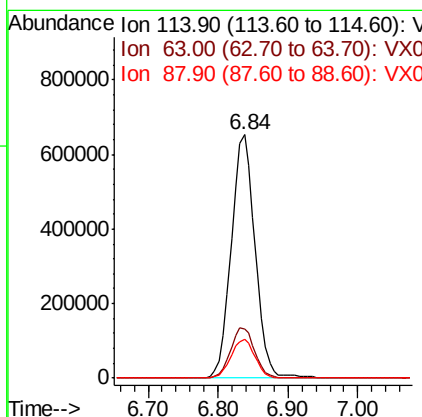
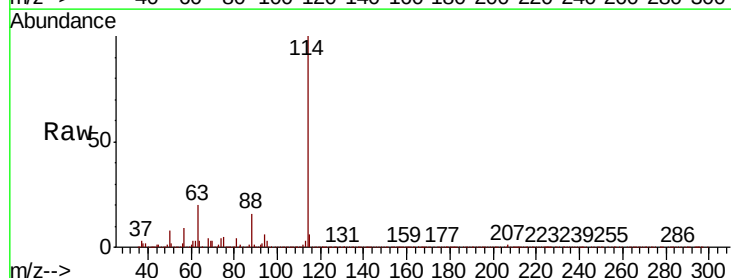
Instrument :
 MSVOA_X
 ClientSampleId :
 CHASSIS-WASH

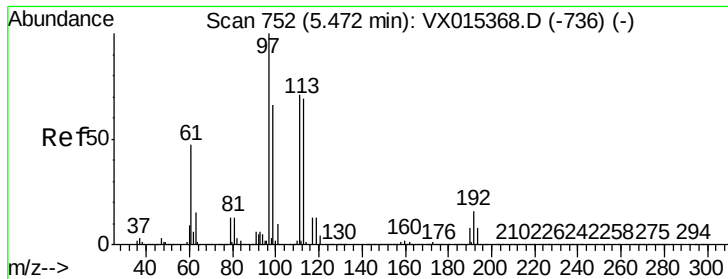
Tot Ion: 65 Resp: 552913
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015828.D
 Acq: 22 Apr 2020 05:06

Tgt Ion: 114 Resp: 1547190
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 44.2
 88 16.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 45.618 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015828.D

Acq: 22 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

CHASSIS-WASH

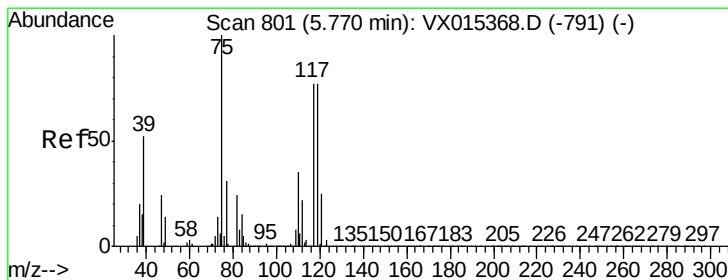
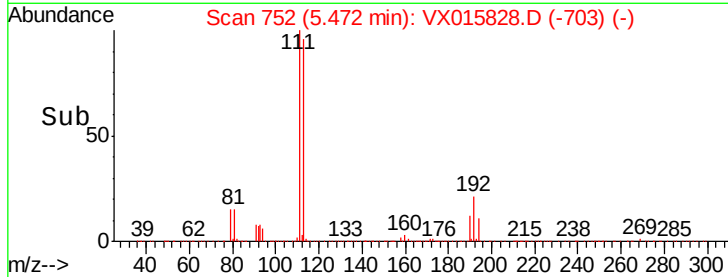
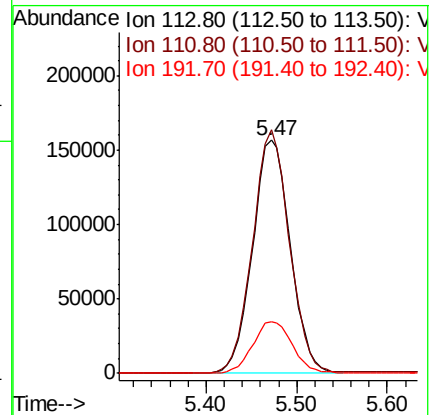
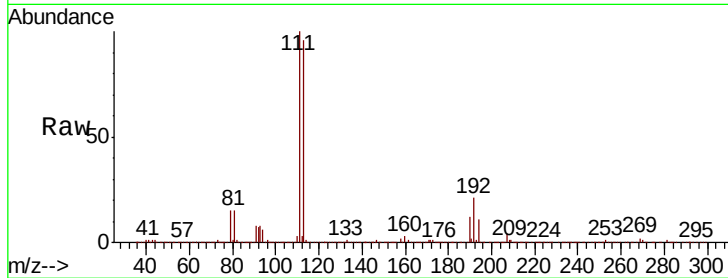
Tot Ion:113 Resp: 451163

Ion Ratio Lower Upper

113 100

111 101.6 81.5 122.3

192 22.9 17.8 26.6



#36

1,1-Dichloropropene

Concen: 4.746 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015828.D

Acq: 22 Apr 2020 05:06

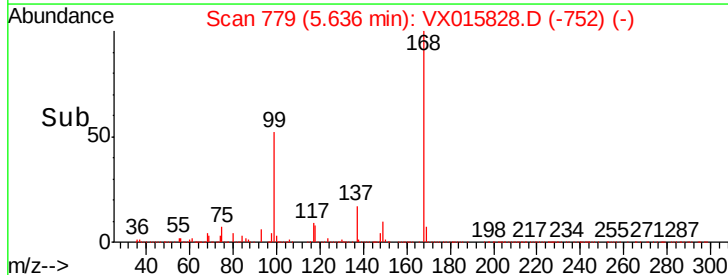
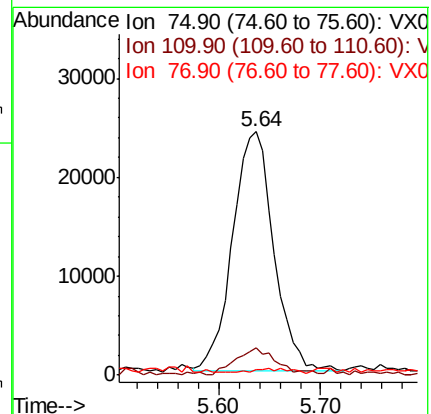
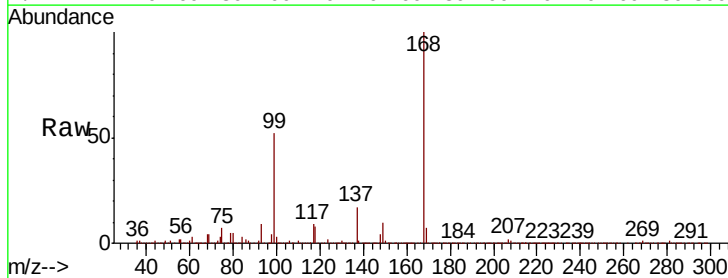
Tgt Ion: 75 Resp: 67661

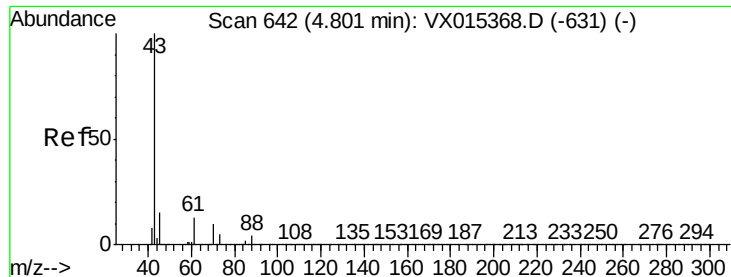
Ion Ratio Lower Upper

75 100

110 11.5 17.1 51.3#

77 0.6 24.6 36.8#

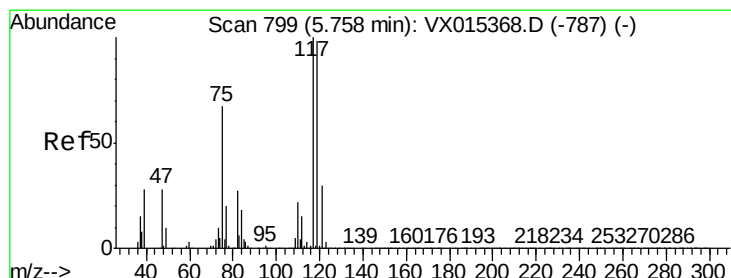
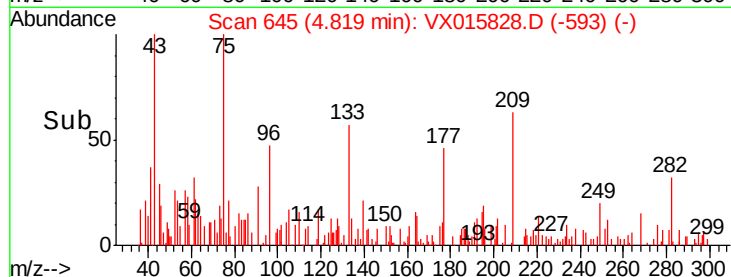
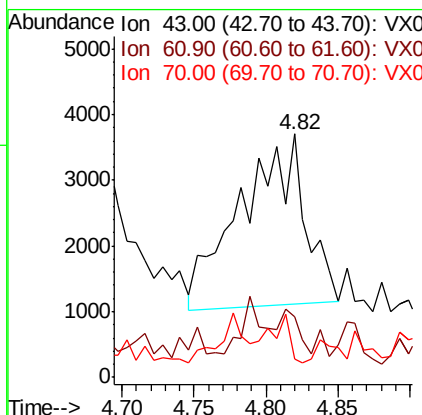
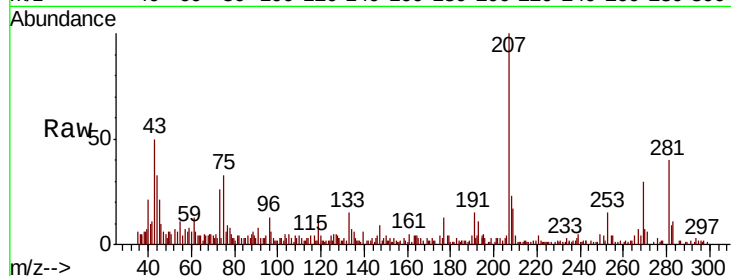




#37
Ethyl Acetate
Concen: 0.439 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.02 min
Lab File: VX015828.D
Acq: 22 Apr 2020 05:06

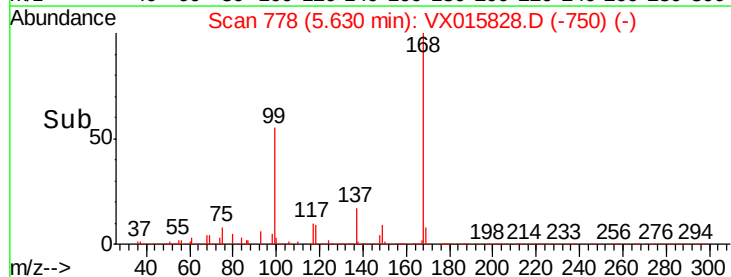
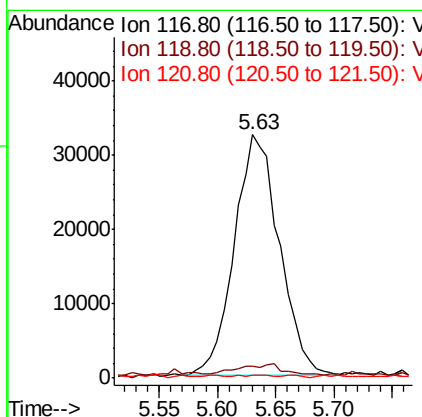
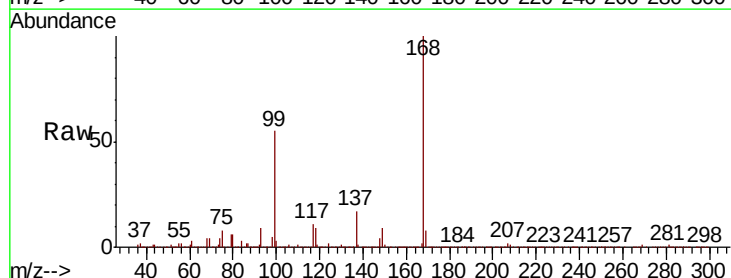
Instrument :
MSVOA_X
ClientSampleId :
CHASSIS-WASH

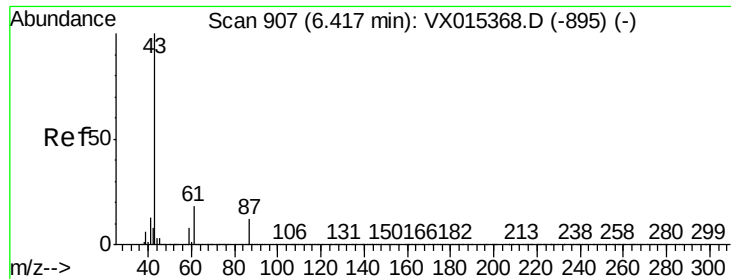
Tot Ion: 43 Resp: 8154
Ion Ratio Lower Upper
43 100
61 7.1 9.9 14.9#
70 7.6 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 5.644 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.13 min
Lab File: VX015828.D
Acq: 22 Apr 2020 05:06

Tgt Ion: 117 Resp: 87143
Ion Ratio Lower Upper
117 100
119 3.5 78.0 117.0#
121 0.8 23.8 35.8#





#43

Isopropyl Acetate

Concen: 8.279 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015828.D

Acq: 22 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

CHASSIS-WASH

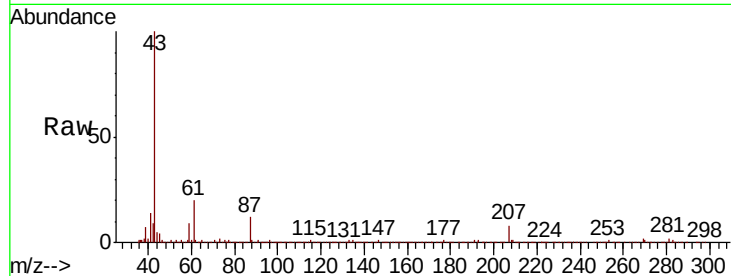
Tot Ion: 43 Resp: 259425

Ion Ratio Lower Upper

43 100

61 19.1 14.8 22.2

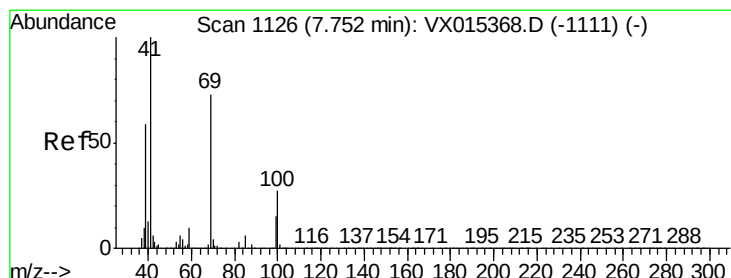
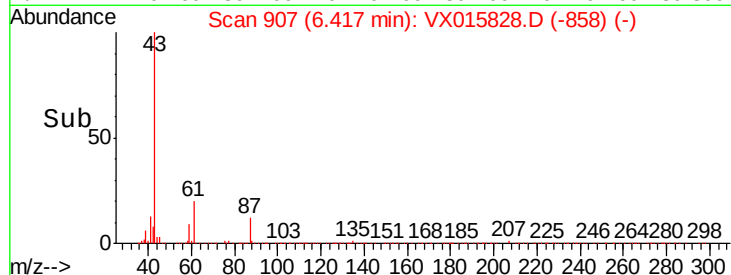
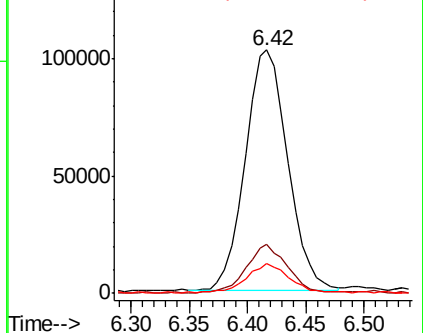
87 12.3 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 18.673 ug/l

RT: 7.85 min Scan# 1142

Delta R.T. 0.10 min

Lab File: VX015828.D

Acq: 22 Apr 2020 05:06

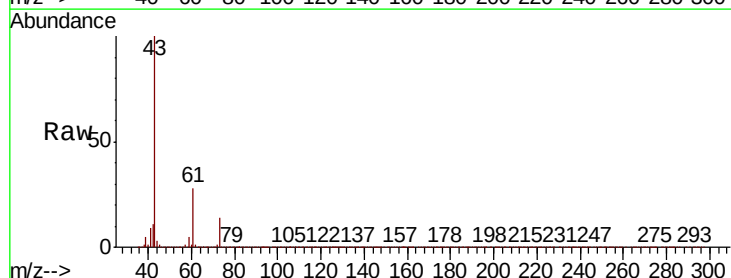
Tgt Ion: 41 Resp: 292248

Ion Ratio Lower Upper

41 100

69 0.2 56.7 85.1#

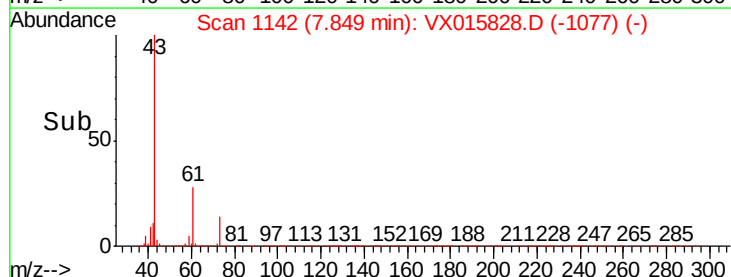
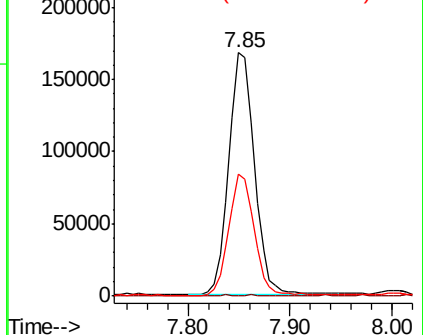
39 49.0 46.5 69.7

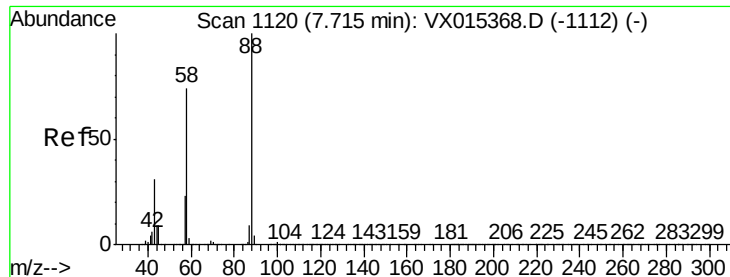


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

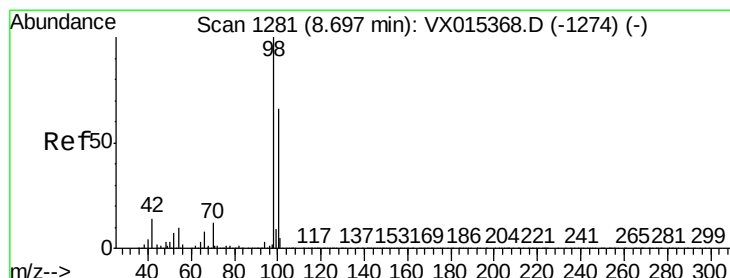
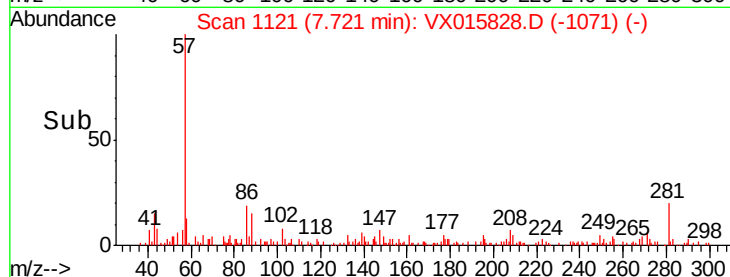
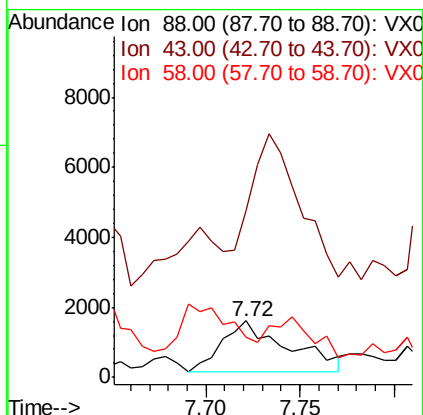
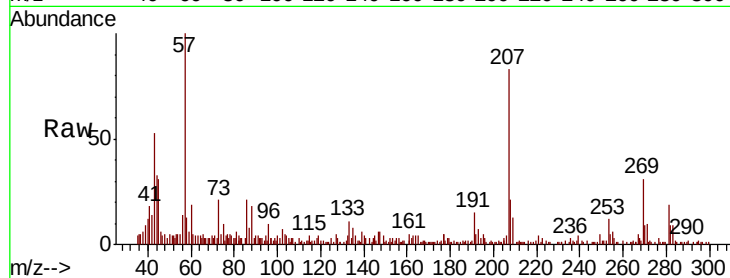




#49
1,4-Dioxane
Concen: 11.885 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VX015828.D
Acq: 22 Apr 2020 05:06

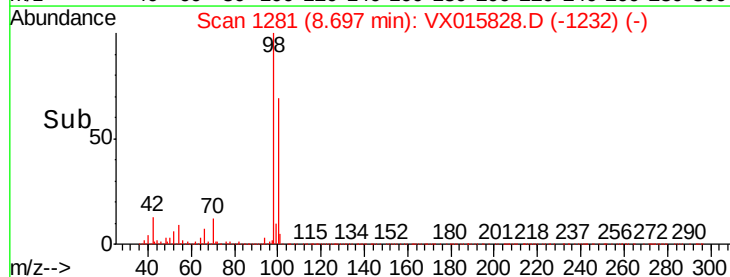
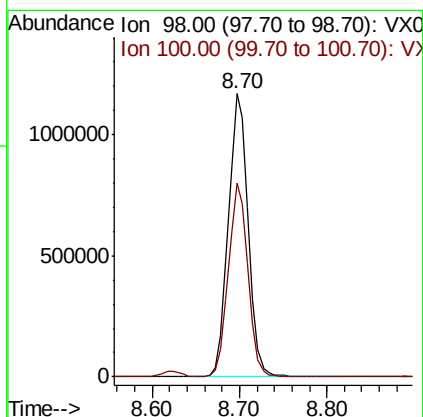
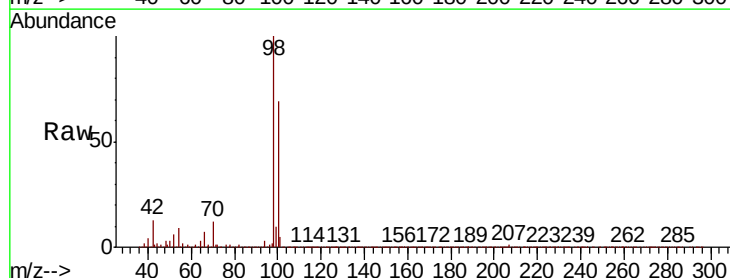
Instrument :
MSVOA_X
ClientSampleId :
CHASSIS-WASH

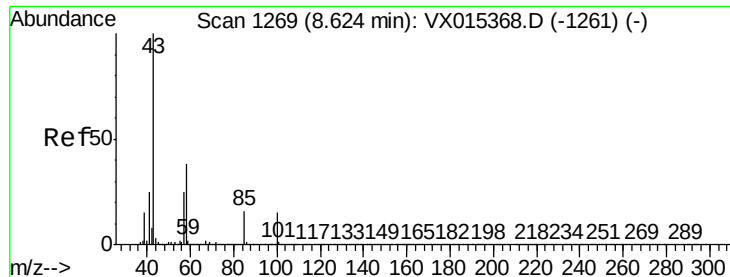
Tot Ion: 88 Resp: 3470
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 60.6 90.8#



#50
Toluene-d8
Concen: 50.581 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015828.D
Acq: 22 Apr 2020 05:06

Tgt Ion: 98 Resp: 1841791
Ion Ratio Lower Upper
98 100
100 67.5 53.5 80.3

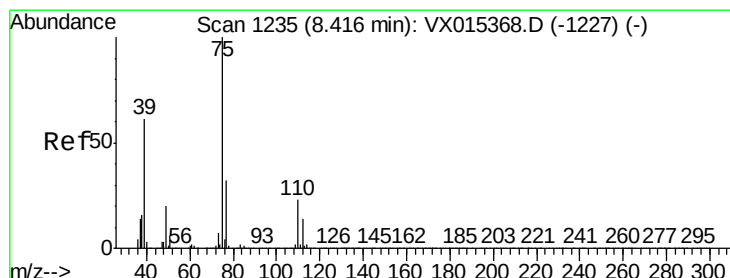
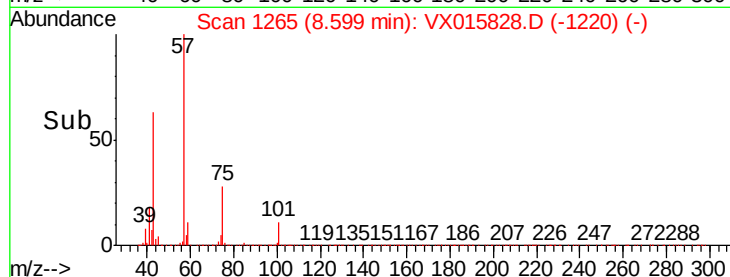
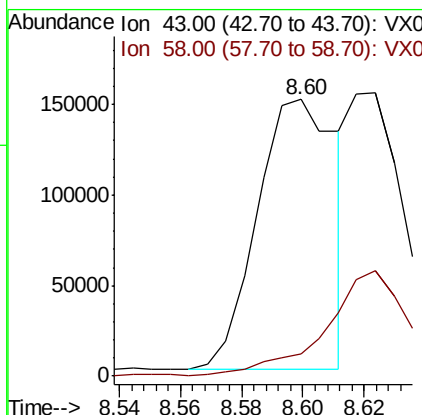
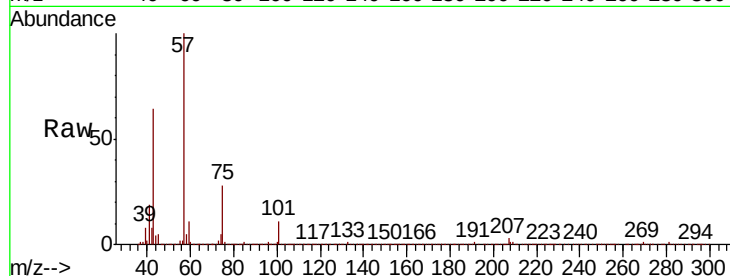




#51
 4-Methyl-2-Pentanone
 Concen: 15.166 ug/l
 RT: 8.60 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: VX015828.D
 Acq: 22 Apr 2020 05:06

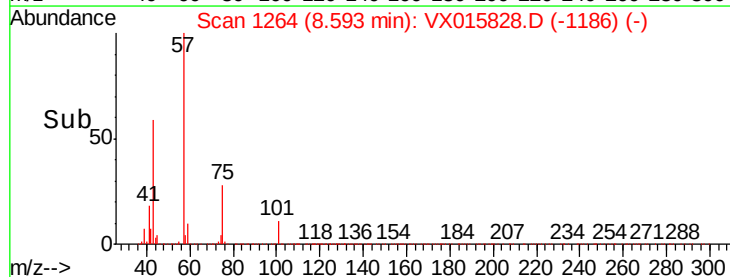
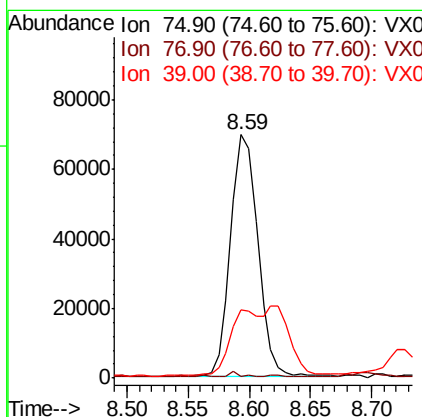
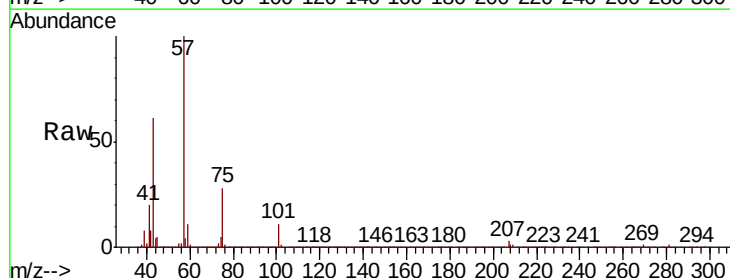
Instrument :
 MSVOA_X
 ClientSampleId :
 CHASSIS-WASH

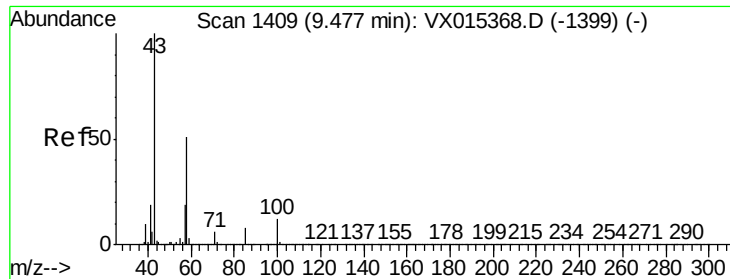
Tot Ion: 43 Resp: 269311
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.7 44.5#



#54
 cis-1,3-Dichloropropene
 Concen: 5.636 ug/l
 RT: 8.59 min Scan# 1264
 Delta R.T. 0.18 min
 Lab File: VX015828.D
 Acq: 22 Apr 2020 05:06

Tgt Ion: 75 Resp: 107520
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.8 38.6#
 39 27.2 49.0 73.4#

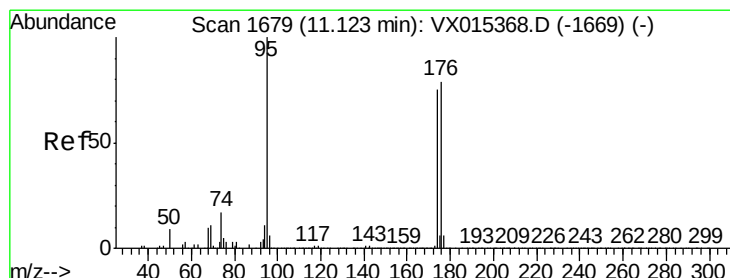
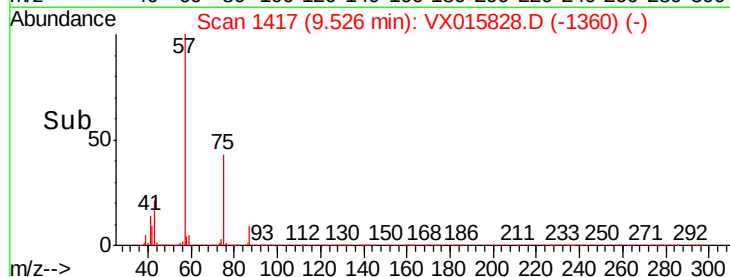
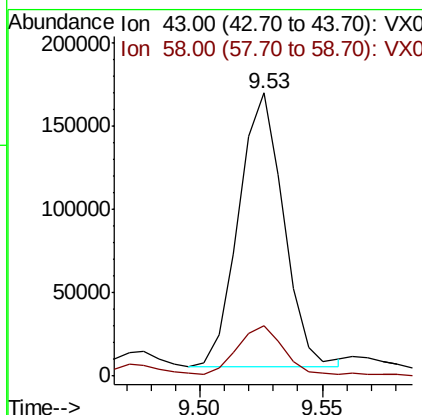
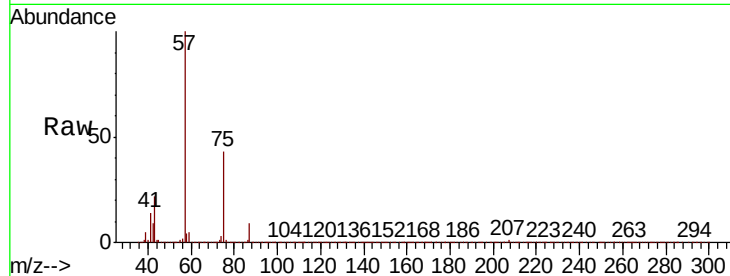




#59
2-Hexanone
Concen: 15.709 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015828.D
Acq: 22 Apr 2020 05:06

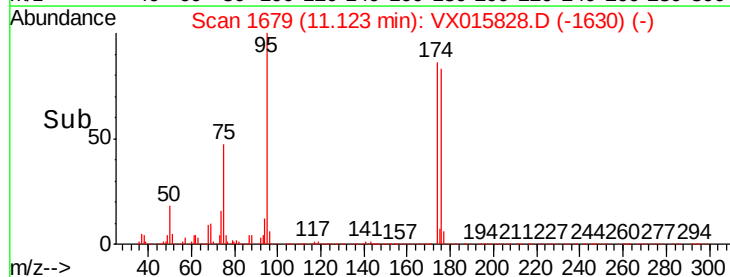
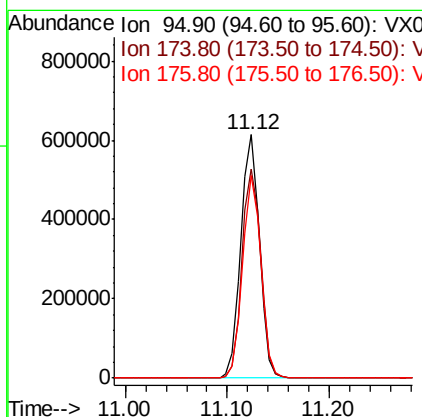
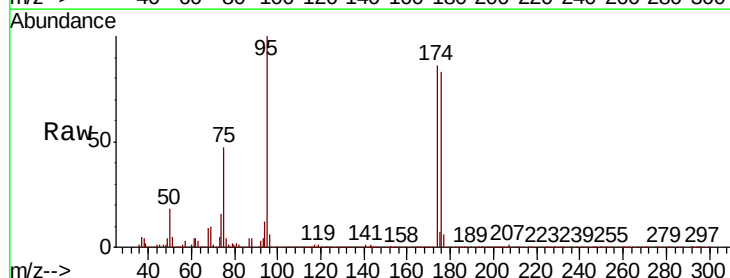
Instrument :
MSVOA_X
ClientSampleId :
CHASSIS-WASH

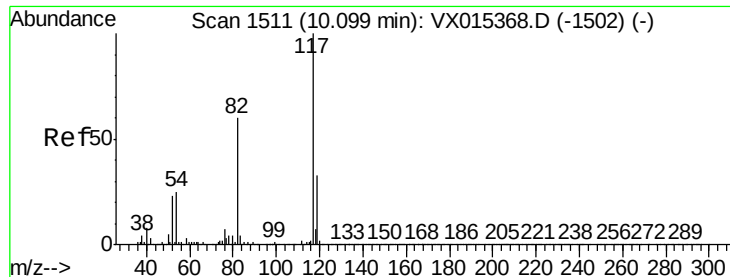
Tot Ion: 43 Resp: 210601
Ion Ratio Lower Upper
43 100
58 19.7 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 51.948 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015828.D
Acq: 22 Apr 2020 05:06

Tgt Ion: 95 Resp: 768738
Ion Ratio Lower Upper
95 100
174 87.6 0.0 158.6
176 82.7 0.0 159.0

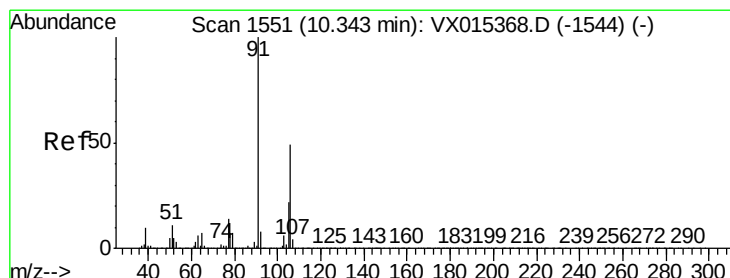
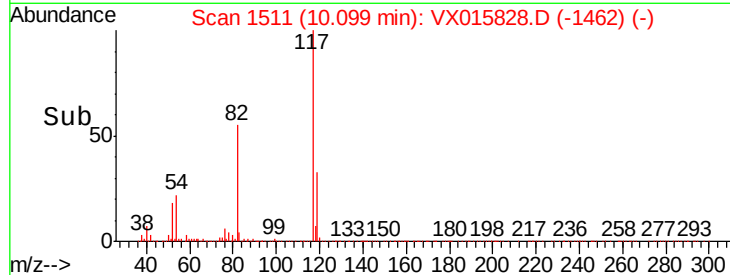
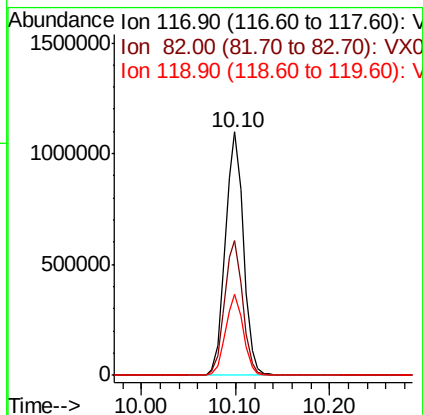
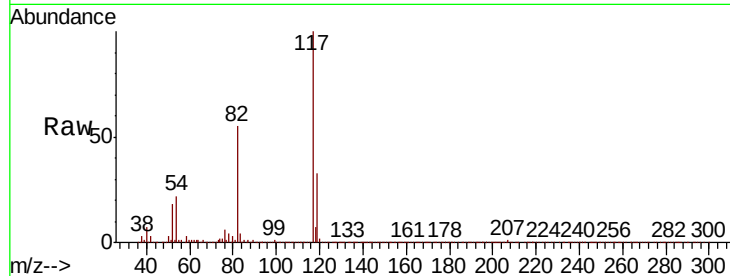




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015828.D
Acq: 22 Apr 2020 05:06

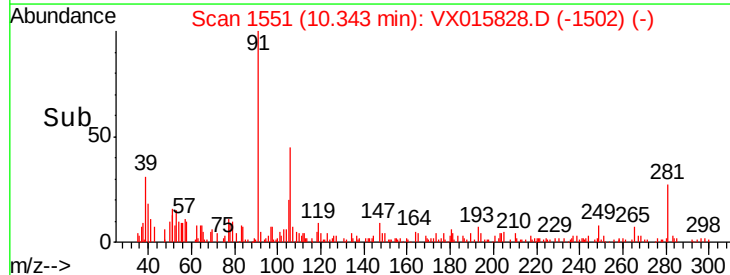
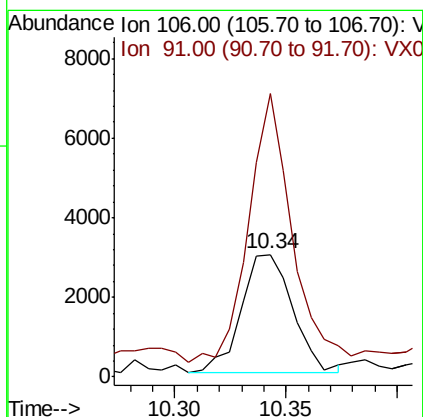
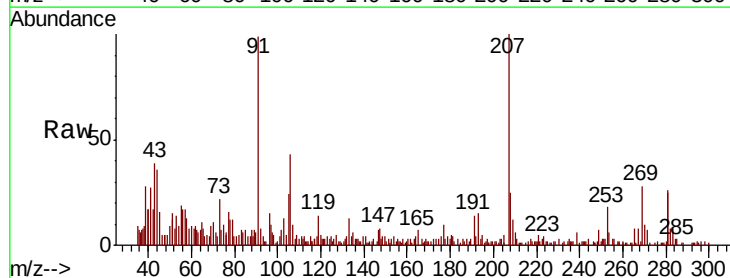
Instrument :
MSVOA_X
ClientSampleId :
CHASSIS-WASH

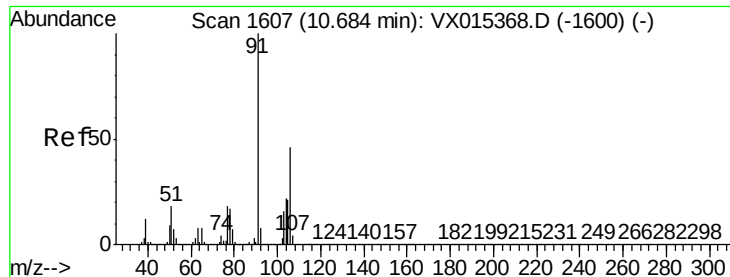
Tot Ion:117 Resp: 1459291
Ion Ratio Lower Upper
117 100
82 55.1 47.8 71.8
119 33.1 26.8 40.2



#68
m/p-Xylenes
Concen: 0.249 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VX015828.D
Acq: 22 Apr 2020 05:06

Tgt Ion:106 Resp: 4777
Ion Ratio Lower Upper
106 100
91 190.1 163.4 245.0

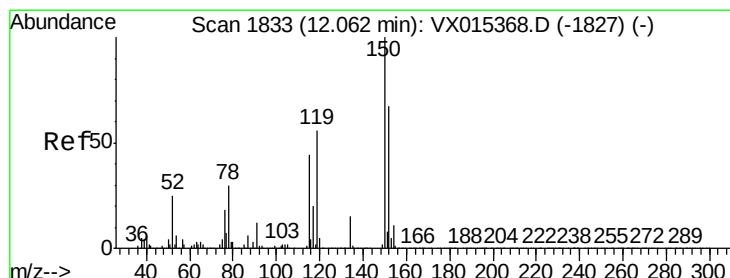
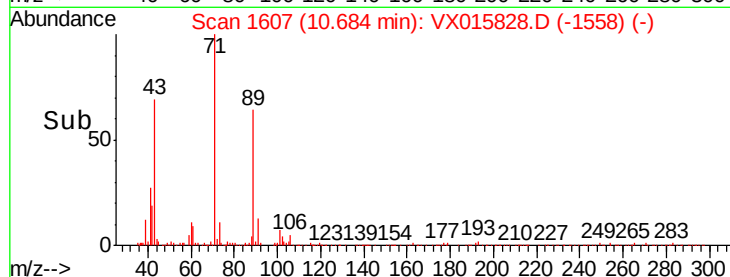
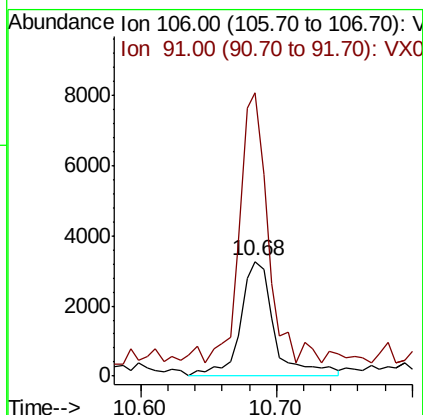
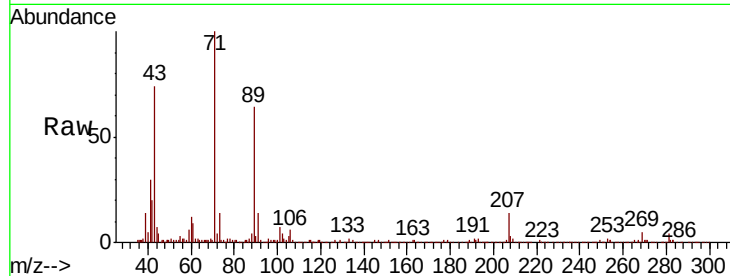




#69
o-Xylene
Concen: 0.298 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015828.D
Acq: 22 Apr 2020 05:06

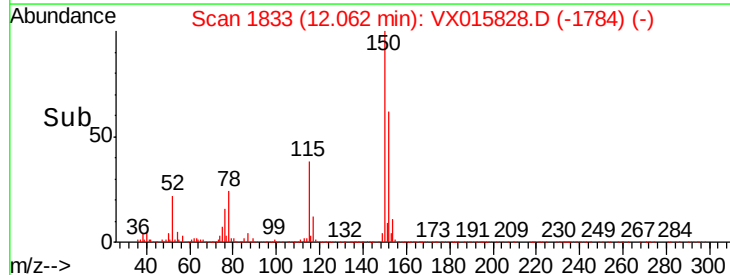
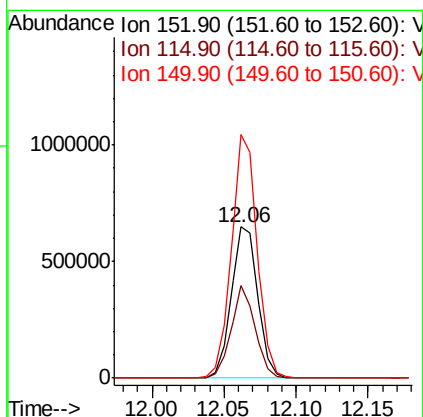
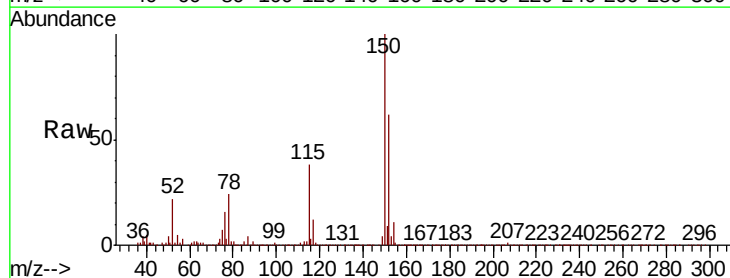
Instrument :
MSVOA_X
ClientSampleId :
CHASSIS-WASH

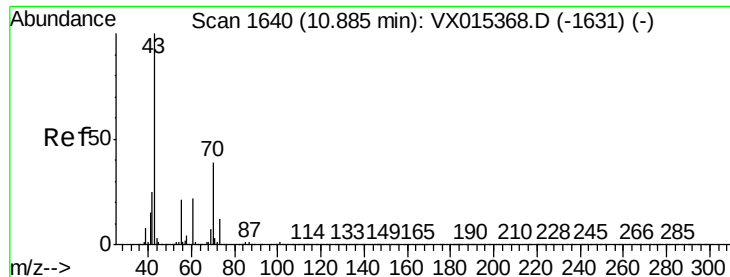
Tot Ion:106 Resp: 5656
Ion Ratio Lower Upper
106 100
91 197.5 107.1 321.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015828.D
Acq: 22 Apr 2020 05:06

Tgt Ion:152 Resp: 832697
Ion Ratio Lower Upper
152 100
115 55.5 39.0 116.9
150 156.1 0.0 340.8





#74

N-amvl acetate

Concen: 0.460 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.01 min

Lab File: VX015828.D

Acq: 22 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

CHASSIS-WASH

Tot Ion: 43 Resp: 13946

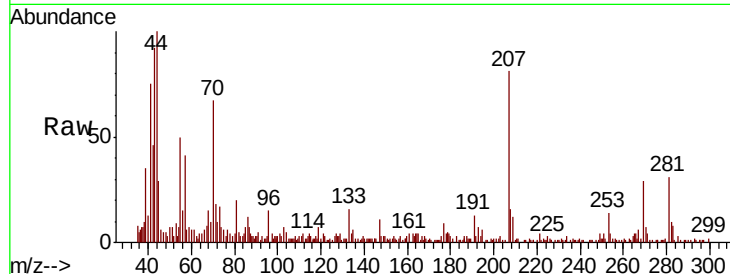
Ion Ratio Lower Upper

43 100

70 60.6 30.2 45.4#

55 46.7 16.8 25.2#

61 0.0 18.2 27.2#

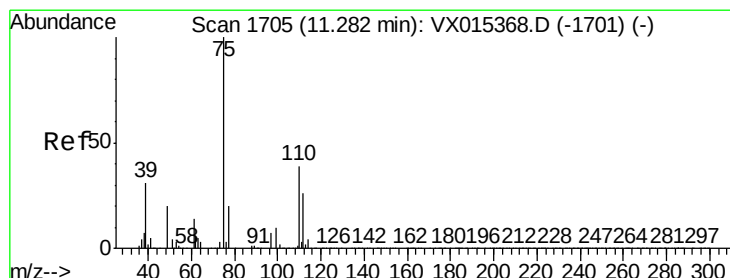
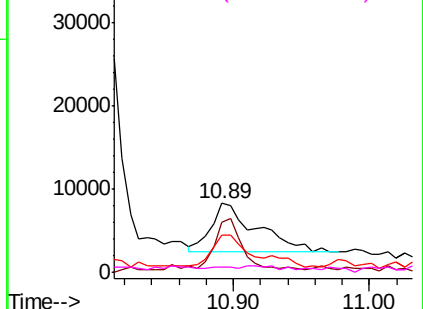
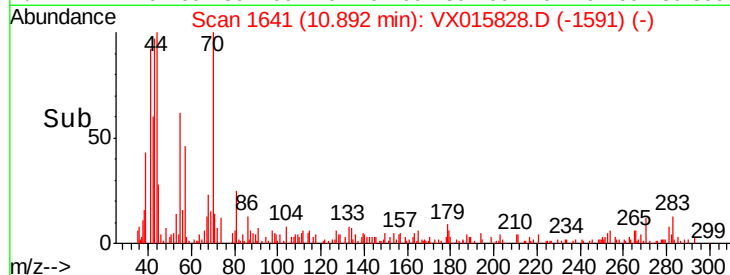


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.834 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015828.D

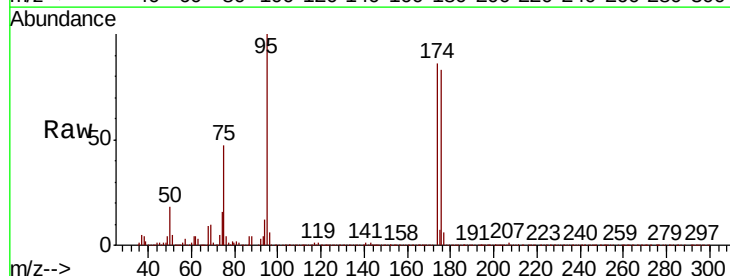
Acq: 22 Apr 2020 05:06

Tgt Ion: 75 Resp: 373883

Ion Ratio Lower Upper

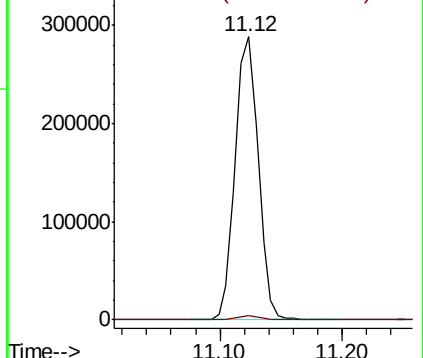
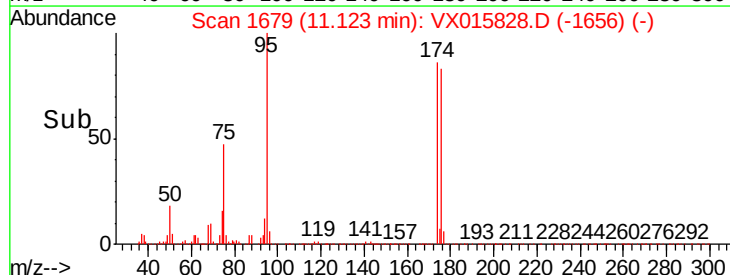
75 100

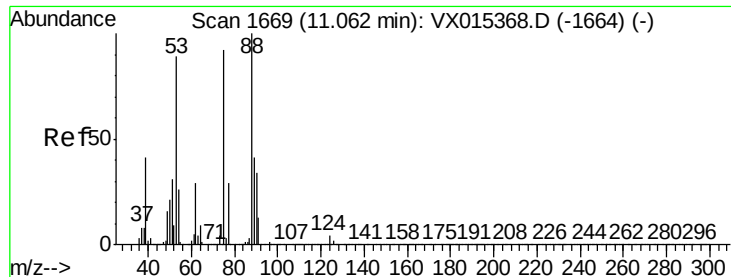
77 1.1 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

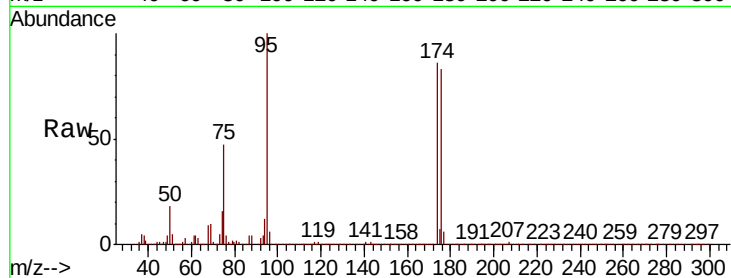




#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.390 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015828.D
 Acq: 22 Apr 2020 05:06

Instrument :
 MSVOA_X
 ClientSampleId :
 CHASSIS-WASH

Tot Ion: 75 Resp: 373883
 Ion Ratio Lower Upper
 75 100
 53 0.4 80.1 120.1#
 89 0.0 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

