

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061118\
 Data File : VX002446.D
 Acq On : 11 Jun 2018 16:41
 Operator : JC/MD
 Sample : J3406-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-180605

Quant Time: Jun 12 01:52:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	227860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	335021	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	178016	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	175676	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
35) Dibromofluoromethane	5.51	113	134919	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	8.72	98	519208	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.14	95	184440	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	891	Below Cal	#	82
4) Vinyl Chloride	1.40	62	2901	0.97 ug/l	#	63
5) Bromomethane	1.65	94	1952	Below Cal	#	75
6) Chloroethane	1.74	64	660	0.34 ug/l	#	43
7) Trichlorofluoromethane	1.94	101	923	0.20 ug/l		97
8) Diethyl Ether	2.20	74	207	Below Cal		77
9) 1,1,2-Trichlorotrifluoroet	2.40	101	824	0.34 ug/l		91
10) Methyl Iodide	2.52	142	4182	1.21 ug/l	#	88
11) Tert butyl alcohol	3.07	59	321	Below Cal	#	62
12) 1,1-Dichloroethene	2.39	96	602	0.25 ug/l	#	51
13) Acrolein	2.29	56	472	Below Cal	#	69
15) Acrylonitrile	3.15	53	1091	Below Cal	#	64
16) Acetone	2.45	43	2217	Below Cal		90
17) Carbon Disulfide	2.57	76	4643	0.73 ug/l	#	89
18) Methyl Acetate	2.78	43	853	Below Cal	#	71
19) Methyl tert-butyl Ether	3.21	73	702	Below Cal	#	78
20) Methylene Chloride	2.86	84	754	Below Cal	#	90
21) trans-1,2-Dichloroethene	3.17	96	2202	0.82 ug/l		90
22) Diisopropyl ether	3.88	45	524	Below Cal	#	69
23) Vinyl Acetate	3.83	43	2672	0.31 ug/l		98
25) 2-Butanone	4.71	43	1834	0.82 ug/l	#	72
27) cis-1,2-Dichloroethene	4.60	96	1313	0.45 ug/l	#	1
28) Bromochloromethane	5.01	49	279	Below Cal	#	47
29) Tetrahydrofuran	5.17	42	1469	1.02 ug/l		97
36) 1,1-Dichloropropene	5.80	75	1025	0.29 ug/l	#	62
38) Carbon Tetrachloride	5.67	117	21246	5.77 ug/l	#	15
39) Methylcyclohexane	7.46	83	846	0.46 ug/l	#	51
44) Trichloroethene	7.22	130	901	0.30 ug/l		89
46) Dibromomethane	7.67	93	511	0.26 ug/l	#	62
49) 1,4-Dioxane	7.77	88	70	1.04 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.66	43	1076	0.24 ug/l		96
59) 2-Hexanone	9.51	43	1222	0.35 ug/l		83
64) Tetrachloroethene	9.34	164	1495	0.47 ug/l	#	82
65) Chlorobenzene	10.14	112	1699	0.22 ug/l		95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

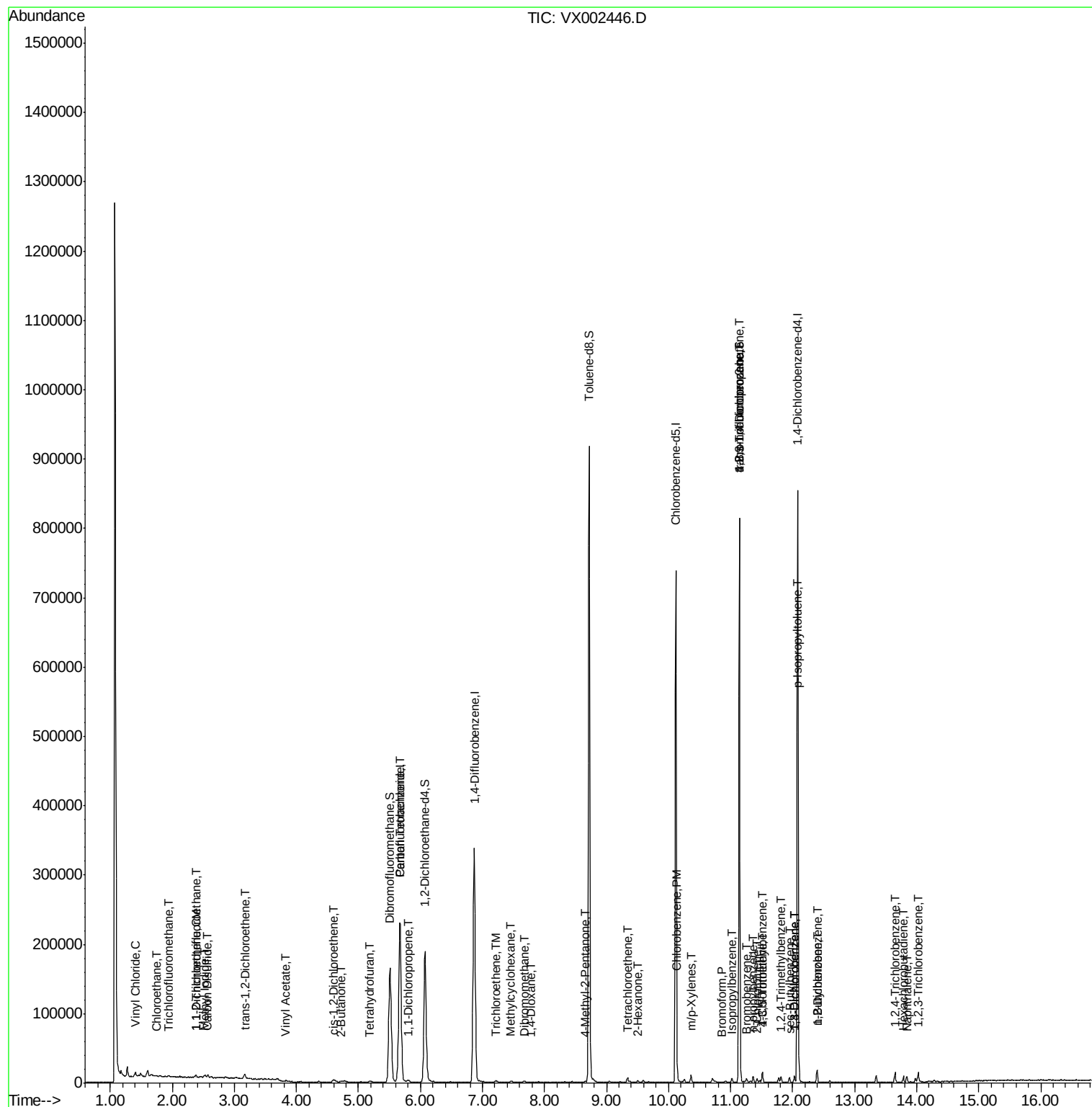
68) m/p-Xylenes	10.36	106	2121	0.42	ug/l	89
71) Bromoform	10.85	173	76	3.49	ug/l #	28
73) Isopropylbenzene	11.02	105	2699	0.22	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	100696	25.78	ug/l #	33
77) Bromobenzene	11.26	156	951	0.27	ug/l	95
78) n-propylbenzene	11.37	91	4534	0.33	ug/l	98
79) 2-Chlorotoluene	11.43	91	2466	0.28	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	2993	0.28	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	100696	90.36	ug/l #	6
82) 4-Chlorotoluene	11.51	91	3692	0.37	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	3173	0.29	ug/l	100
85) sec-Butylbenzene	11.95	105	3522	0.29	ug/l	93
86) p-Isopropyltoluene	12.07	119	3727	0.34	ug/l #	75
87) 1,3-Dichlorobenzene	12.03	146	3114	0.50	ug/l	95
88) 1,4-Dichlorobenzene	12.03	146	3114	0.49	ug/l	95
89) n-Butylbenzene	12.39	91	4266	0.46	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	2307	0.36	ug/l	94
93) 1,2,4-Trichlorobenzene	13.65	180	3702	0.82	ug/l	97
94) Hexachlorobutadiene	13.79	225	1344	0.60	ug/l	94
95) Naphthalene	13.84	128	4848	0.37	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	3202	0.70	ug/l	96

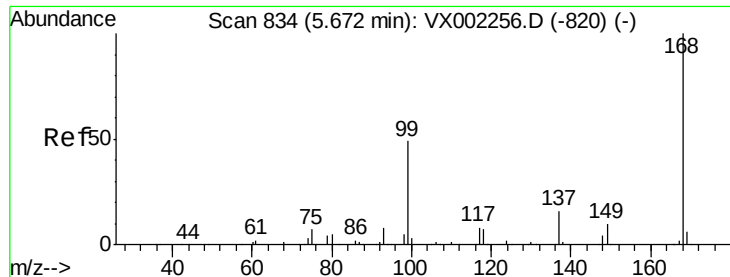
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

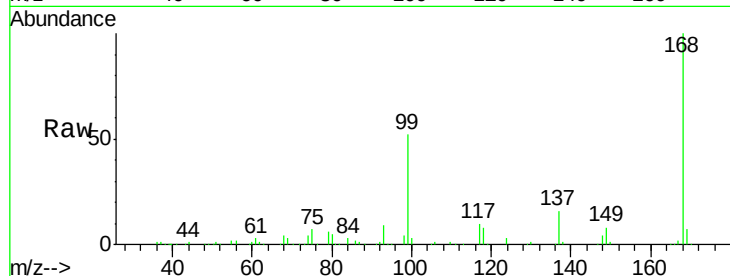
SS050MW641-180605

Tgt Ion:168 Resp: 227860

Ion Ratio Lower Upper

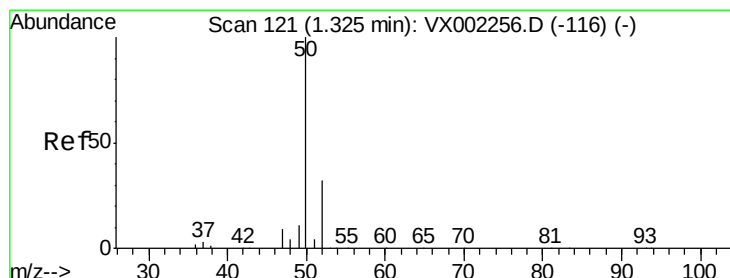
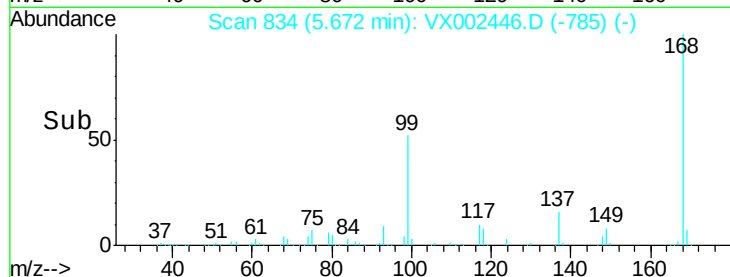
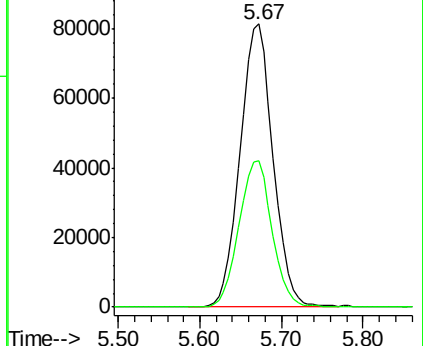
168 100

99 51.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002446.D

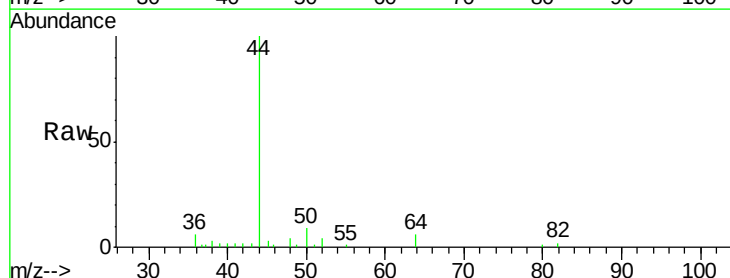
Acq: 11 Jun 2018 16:41

Tgt Ion: 50 Resp: 891

Ion Ratio Lower Upper

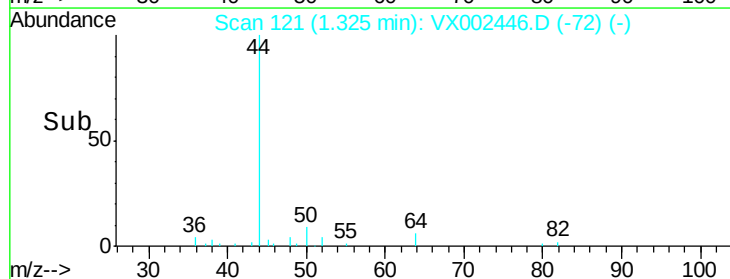
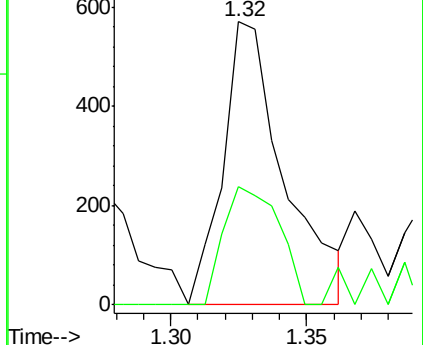
50 100

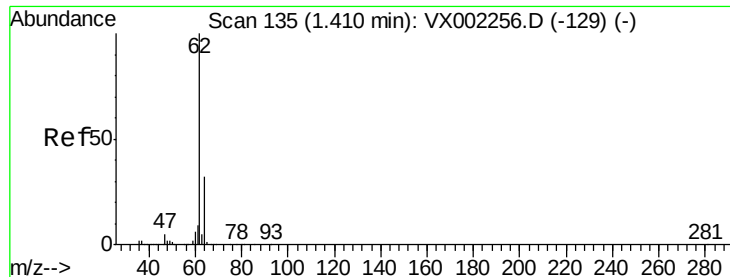
52 41.9 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.97 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

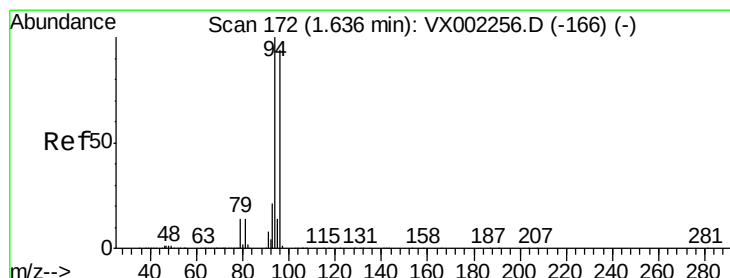
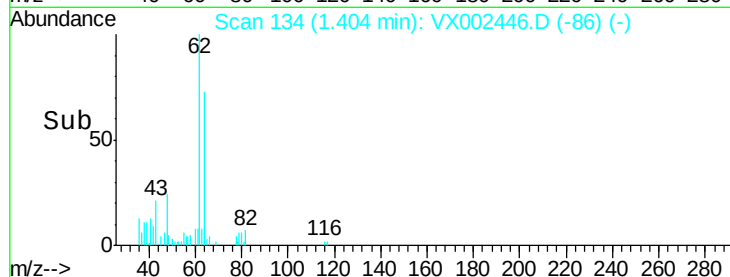
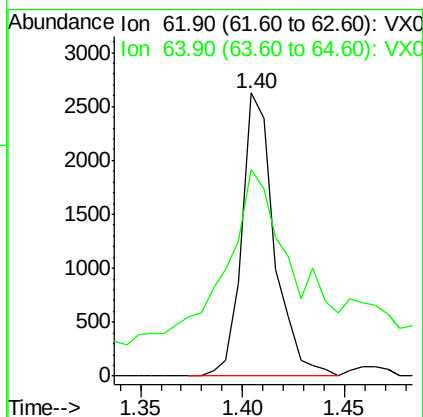
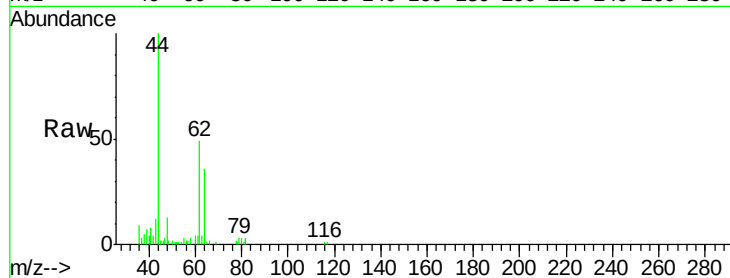
SS050MW641-180605

Tgt Ion: 62 Resp: 2901

Ion Ratio Lower Upper

62 100

64 52.2 25.4 38.2#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002446.D

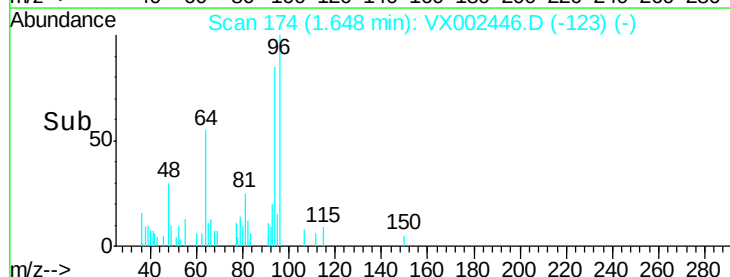
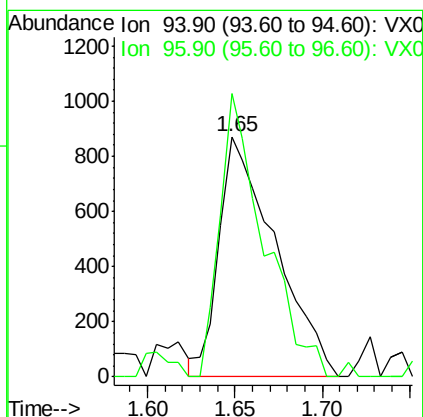
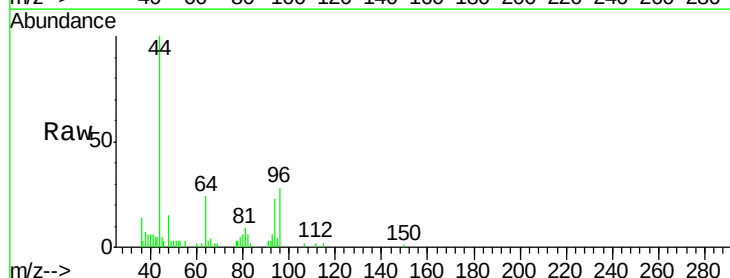
Acq: 11 Jun 2018 16:41

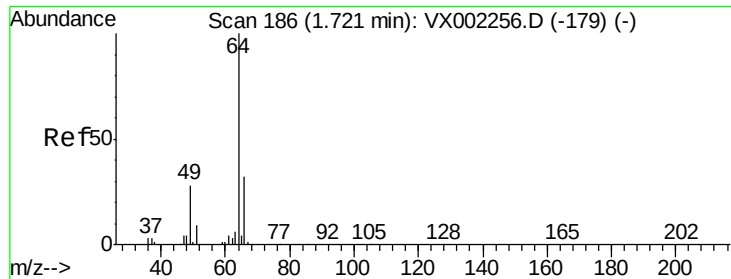
Tgt Ion: 94 Resp: 1952

Ion Ratio Lower Upper

94 100

96 118.0 74.9 112.3#





#6

Chloroethane

Concen: 0.34 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

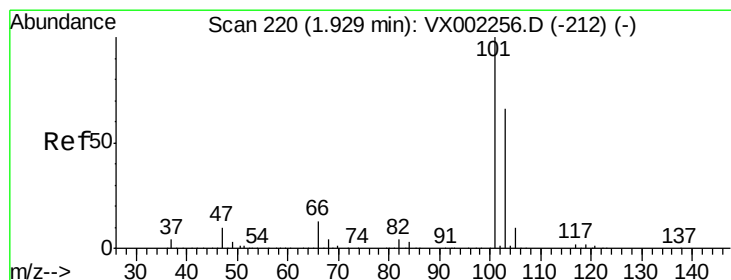
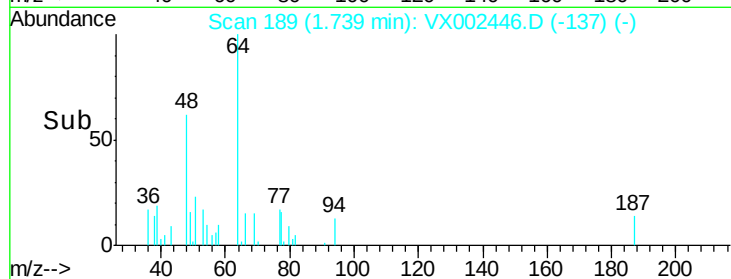
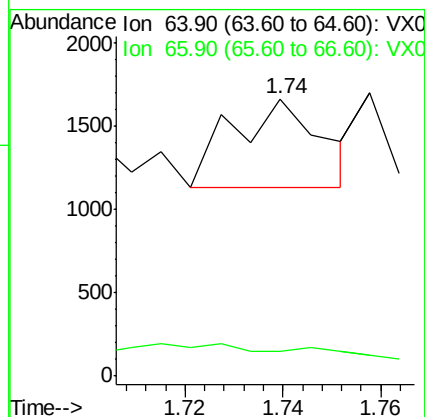
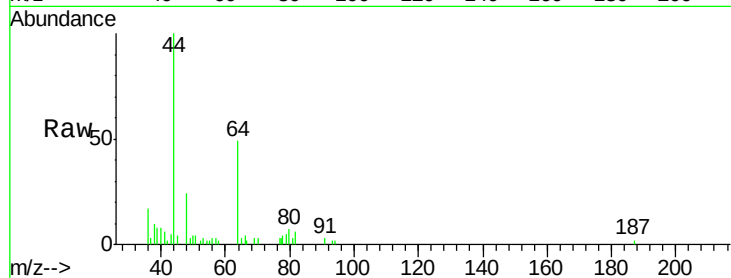
SS050MW641-180605

Tgt Ion: 64 Resp: 660

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#7

Trichlorofluoromethane

Concen: 0.20 ug/l

RT: 1.94 min Scan# 222

Delta R.T. 0.01 min

Lab File: VX002446.D

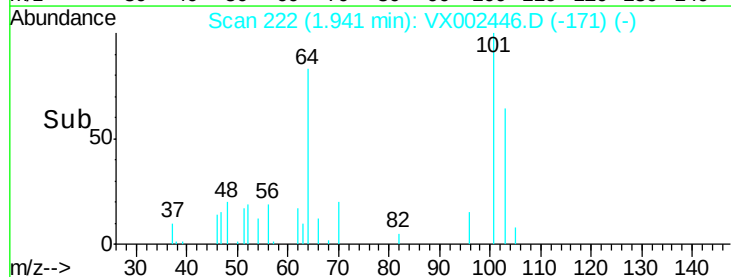
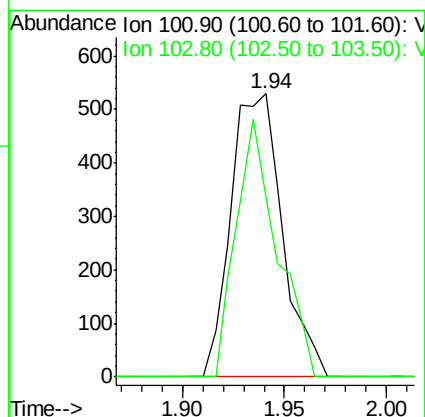
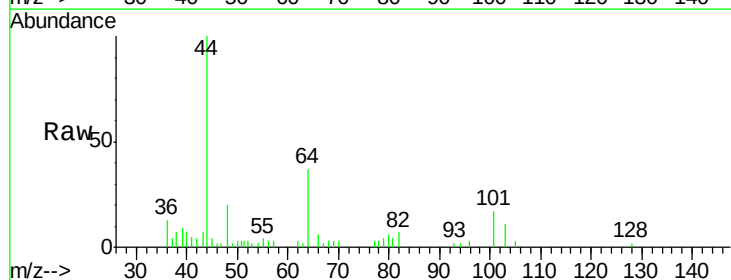
Acq: 11 Jun 2018 16:41

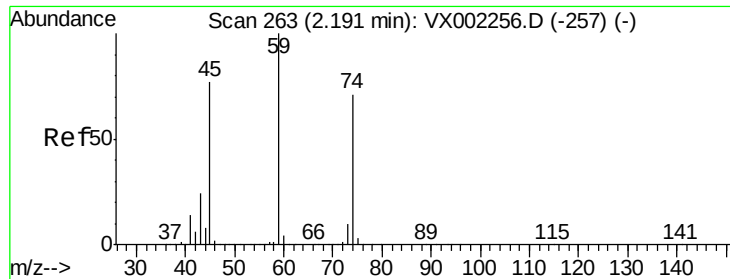
Tgt Ion: 101 Resp: 923

Ion Ratio Lower Upper

101 100

103 63.7 52.8 79.2

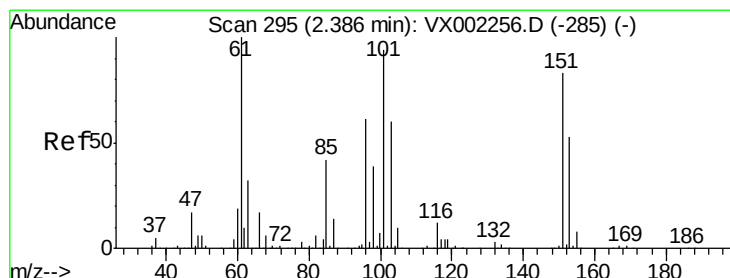
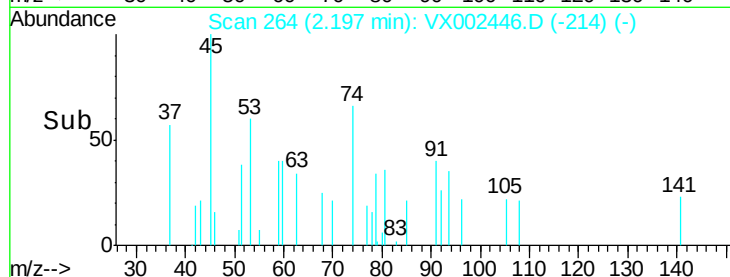
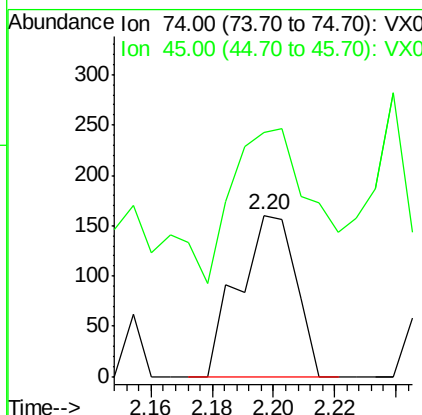
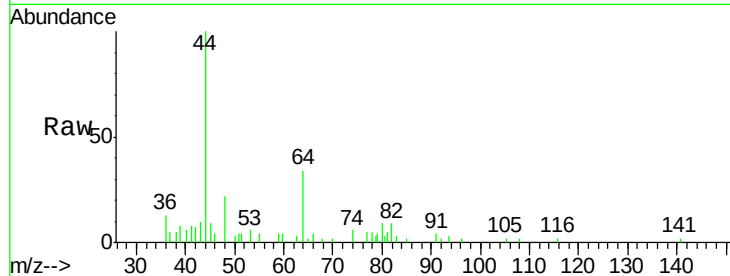




#8
Diethyl Ether
Concen: Below Cal
RT: 2.20 min Scan# 264
Delta R.T. 0.01 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

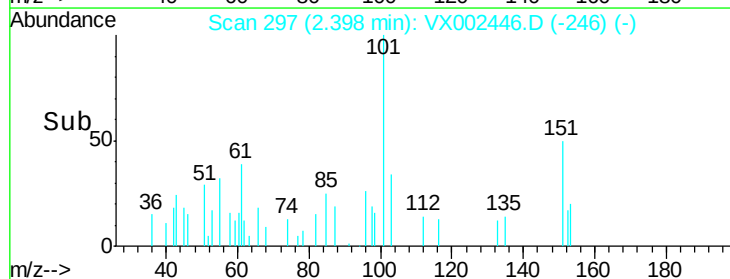
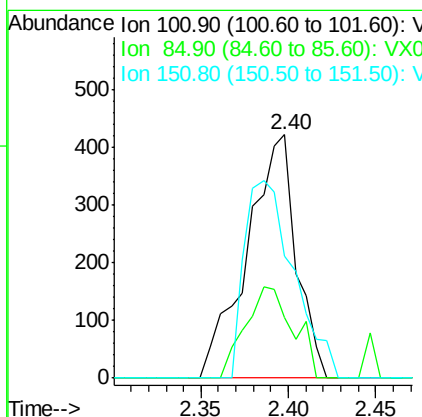
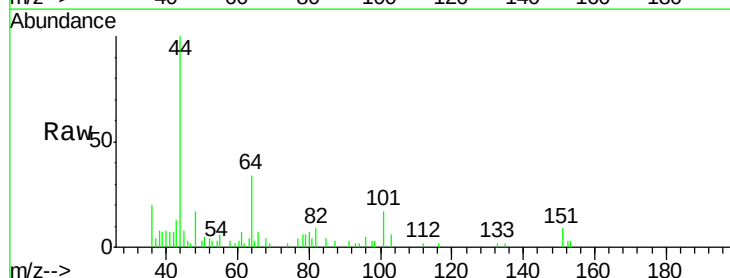
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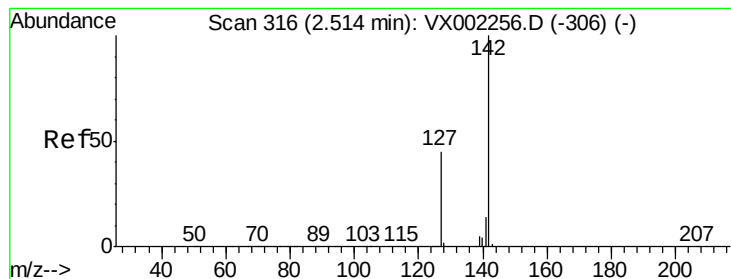
Tgt Ion: 74 Resp: 207
Ion Ratio Lower Upper
74 100
45 130.4 53.1 159.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.34 ug/l
RT: 2.40 min Scan# 297
Delta R.T. 0.01 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

Tgt Ion: 101 Resp: 824
Ion Ratio Lower Upper
101 100
85 36.5 36.0 54.0
151 81.6 70.9 106.3





#10

Methyl Iodide

Concen: 1.21 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

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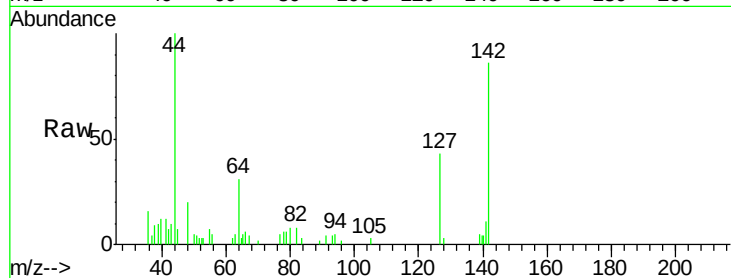
Tgt Ion: 142 Resp: 4182

Ion Ratio Lower Upper

142 100

127 55.7 36.6 55.0#

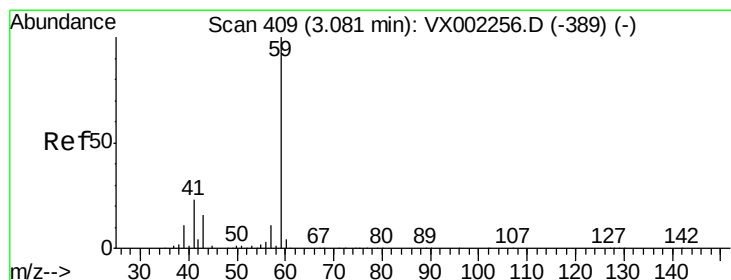
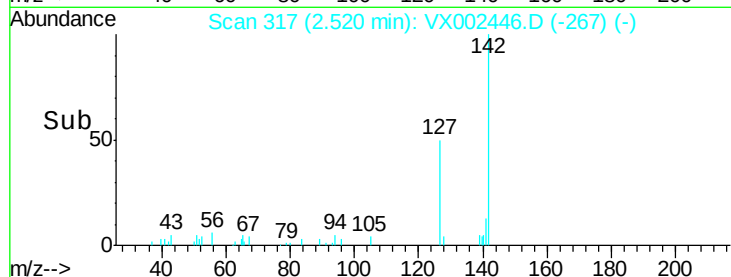
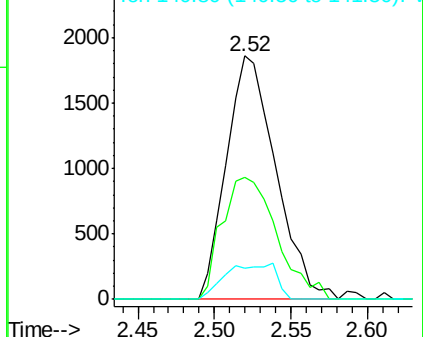
141 14.9 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX002446.D

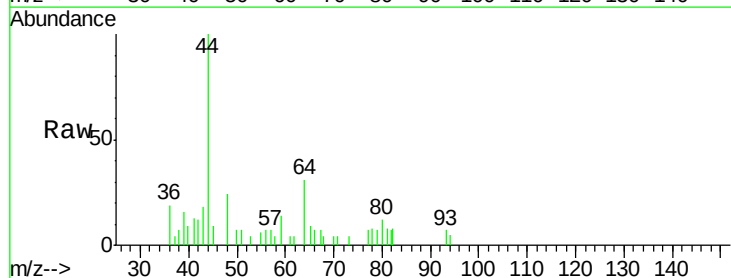
Acq: 11 Jun 2018 16:41

Tgt Ion: 59 Resp: 321

Ion Ratio Lower Upper

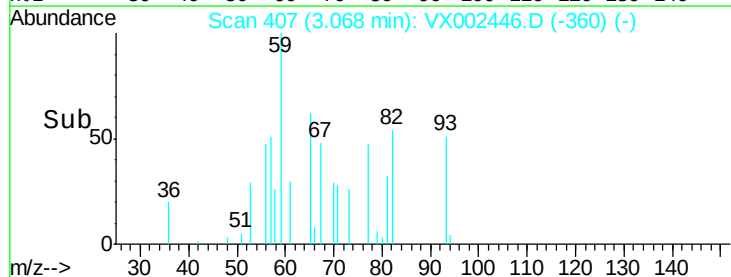
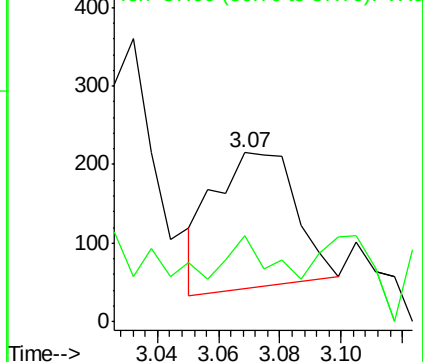
59 100

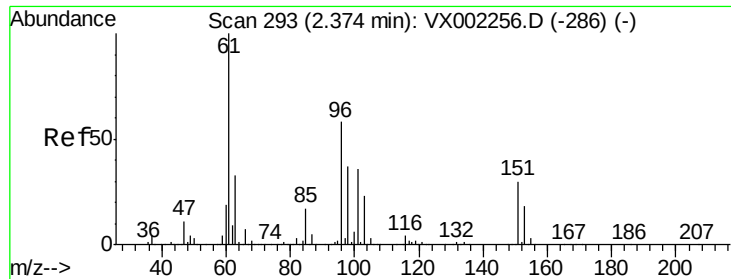
57 24.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

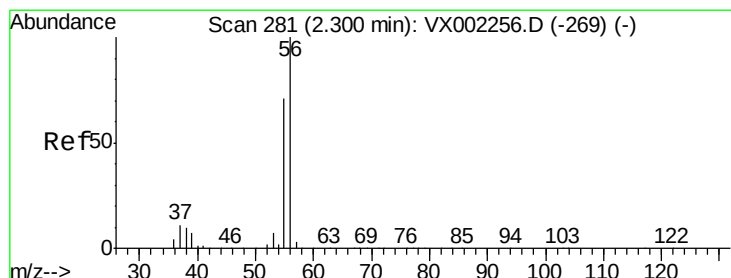
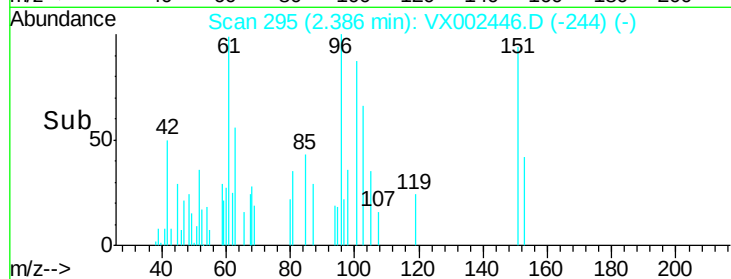
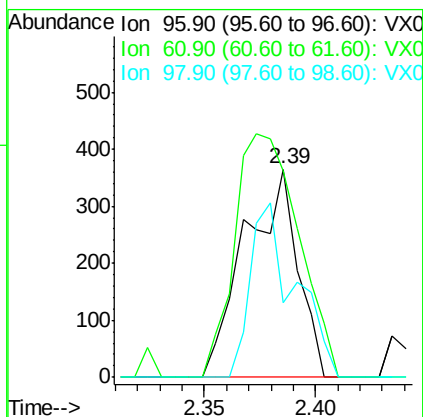
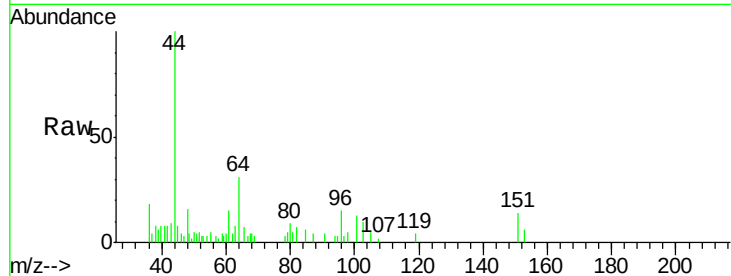




#12
 1,1-Dichloroethene
 Concen: 0.25 ug/l
 RT: 2.39 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VX002446.D
 Acq: 11 Jun 2018 16:41

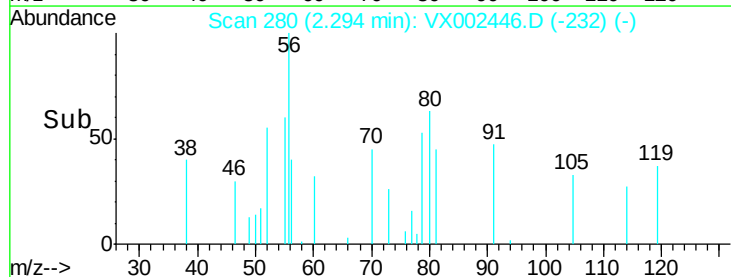
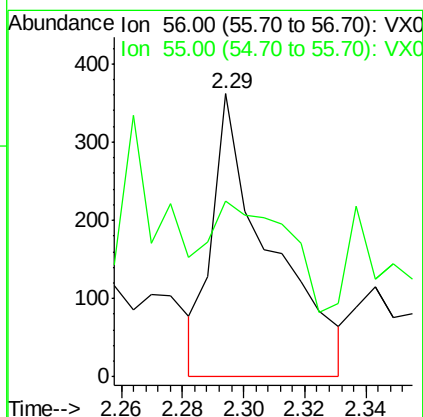
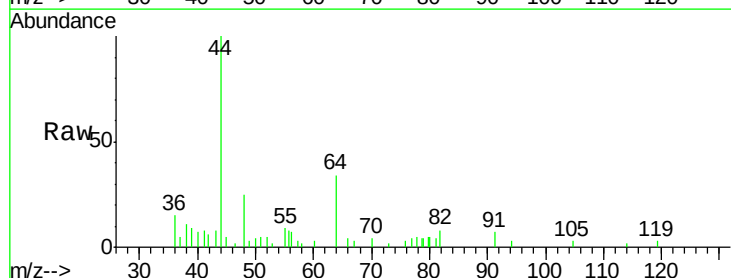
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-180605

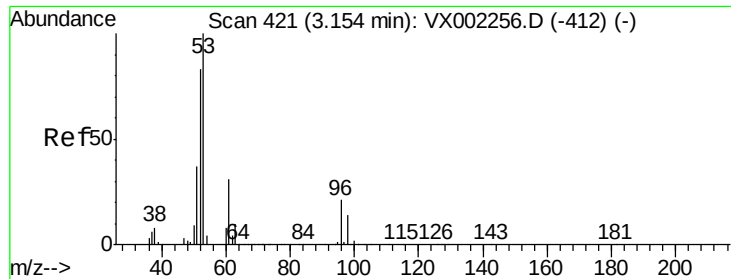
Tgt Ion	Ratio	Lower	Upper
96	100		
61	99.2	137.9	206.9#
98	35.6	51.6	77.4#



#13
 Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: VX002446.D
 Acq: 11 Jun 2018 16:41

Tgt Ion	Ratio	Lower	Upper
56	100		
55	45.3	57.0	85.4#





#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-180605

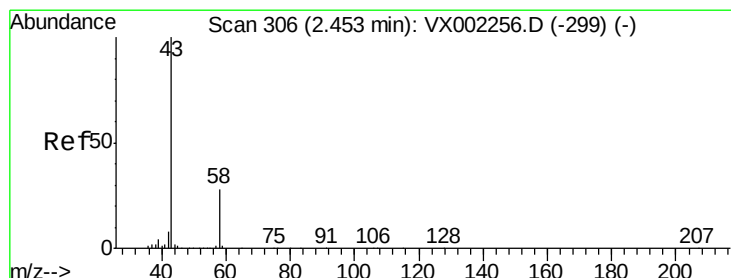
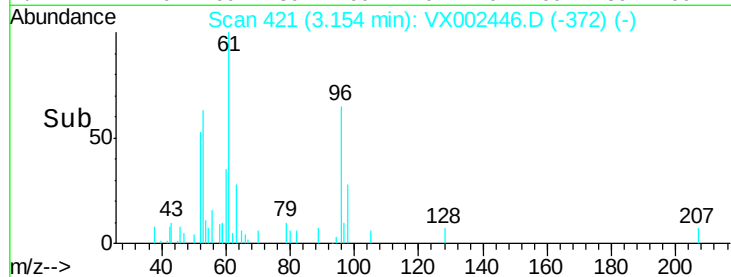
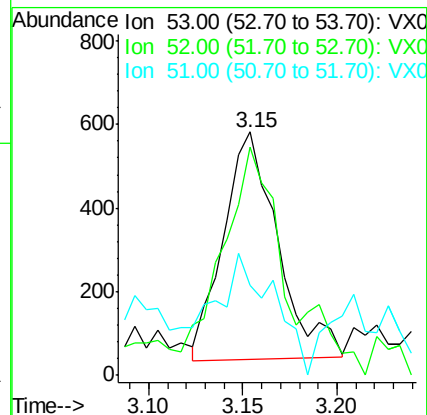
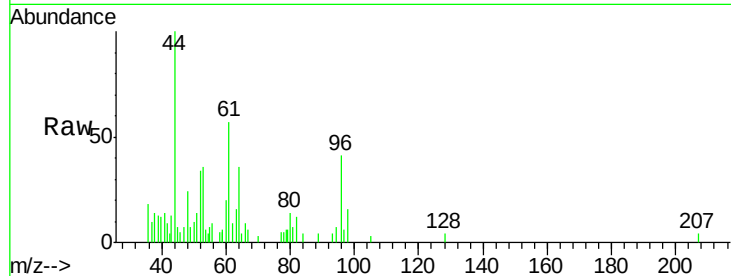
Tgt Ion: 53 Resp: 1091

Ion Ratio Lower Upper

53 100

52 118.3 66.7 100.1#

51 56.1 29.9 44.9#



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002446.D

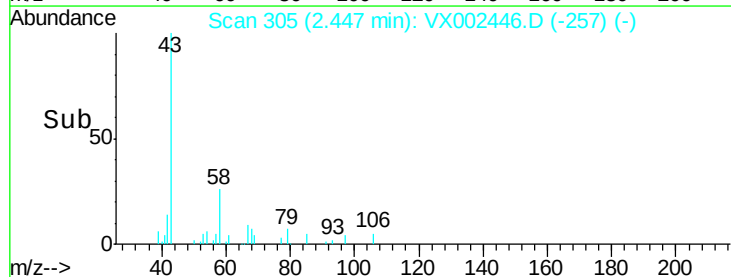
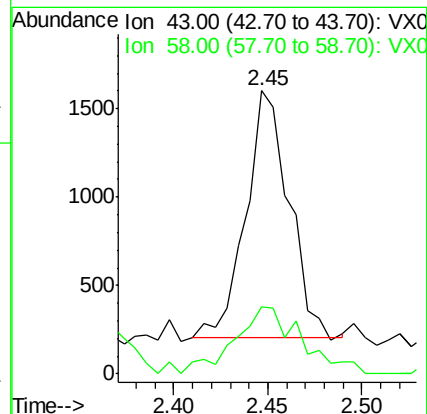
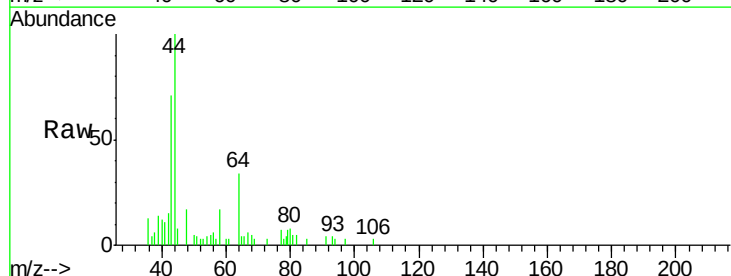
Acq: 11 Jun 2018 16:41

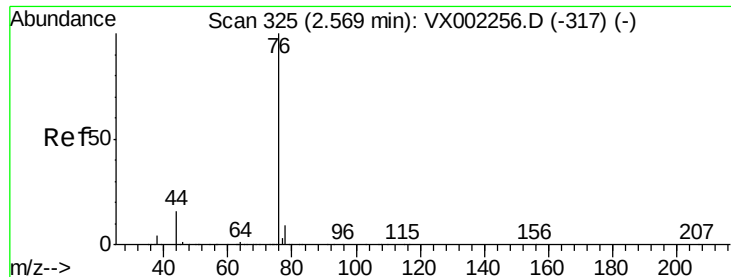
Tgt Ion: 43 Resp: 2217

Ion Ratio Lower Upper

43 100

58 22.5 22.1 33.1





#17

Carbon Disulfide

Concen: 0.73 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

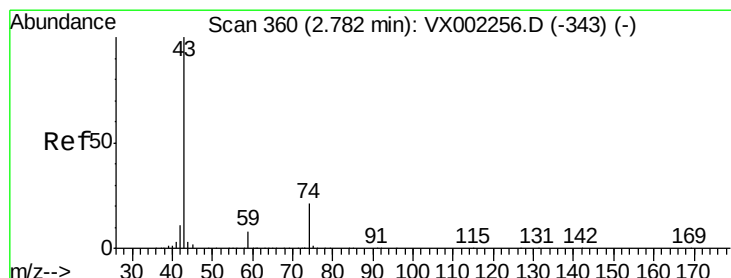
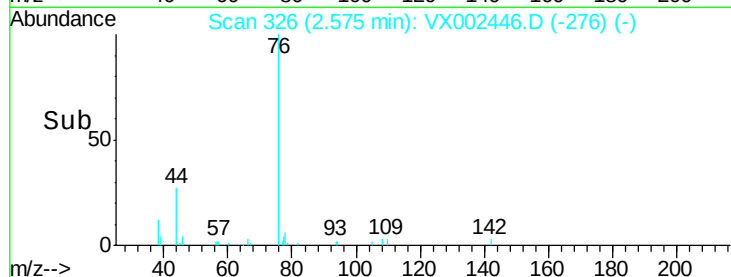
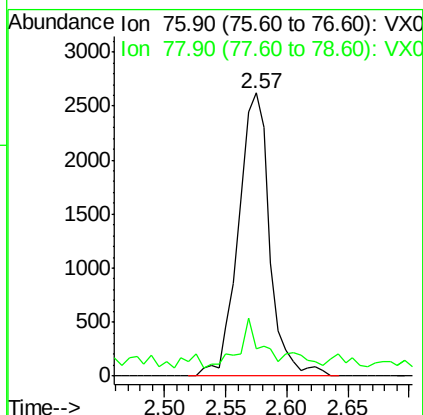
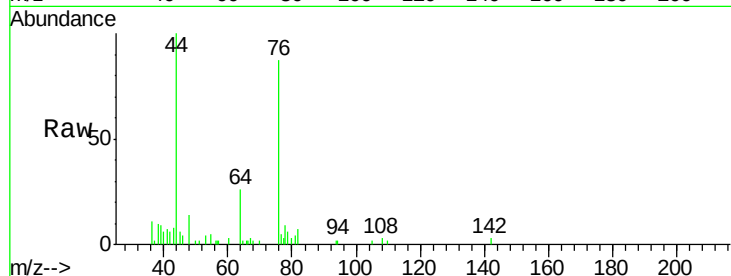
SS050MW641-180605

Tgt Ion: 76 Resp: 4643

Ion Ratio Lower Upper

76 100

78 4.8 6.9 10.3#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX002446.D

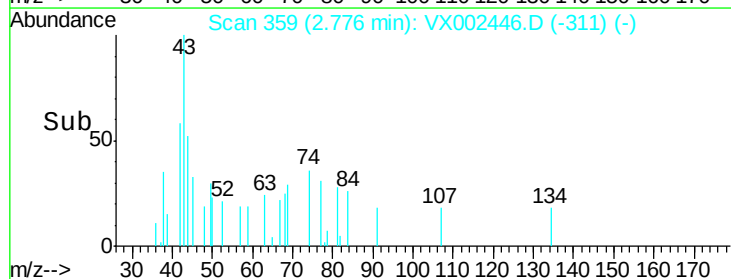
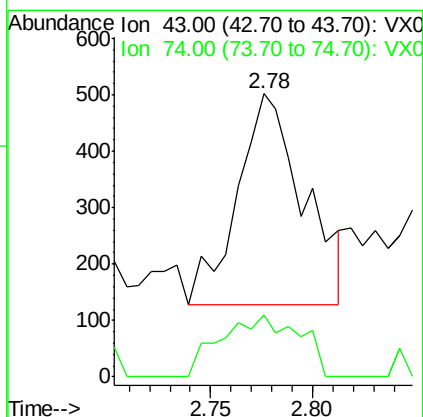
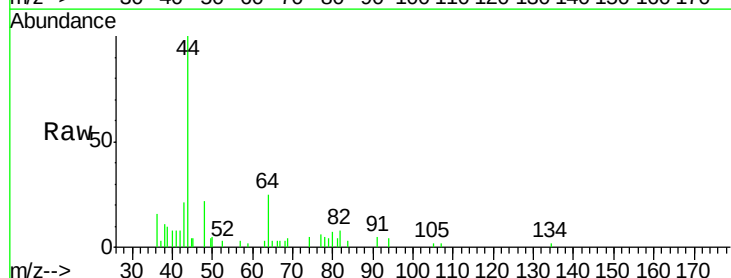
Acq: 11 Jun 2018 16:41

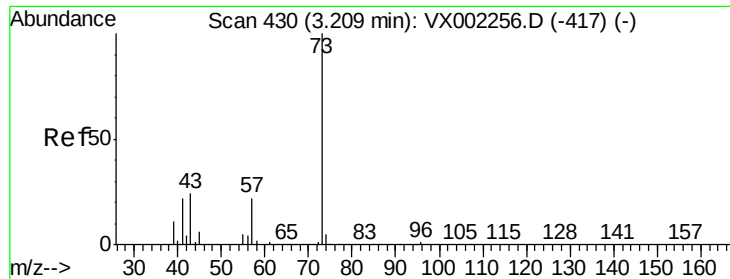
Tgt Ion: 43 Resp: 853

Ion Ratio Lower Upper

43 100

74 34.5 16.7 25.1#

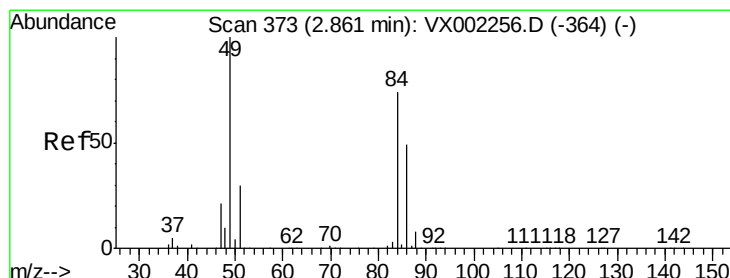
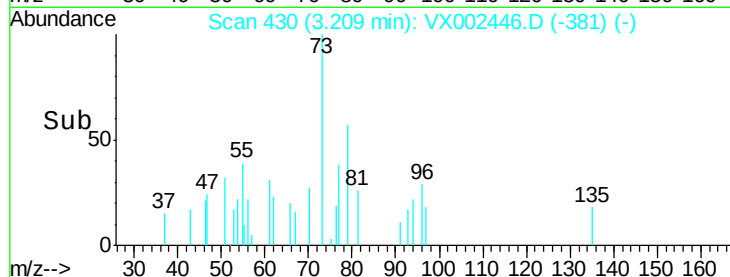
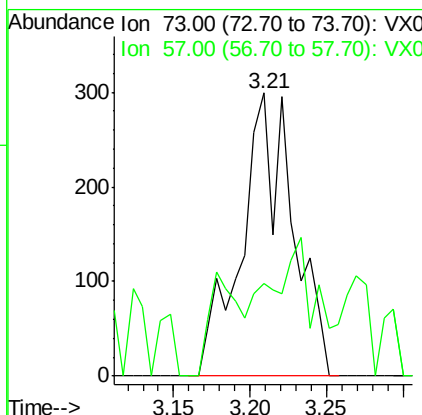
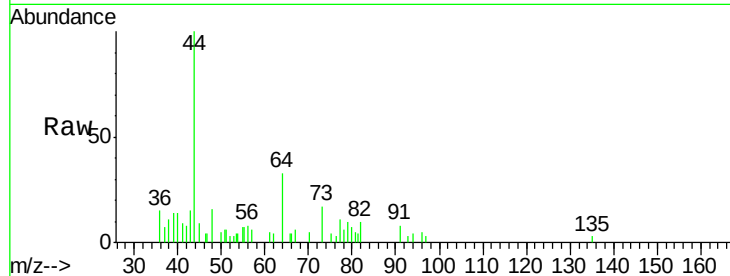




#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

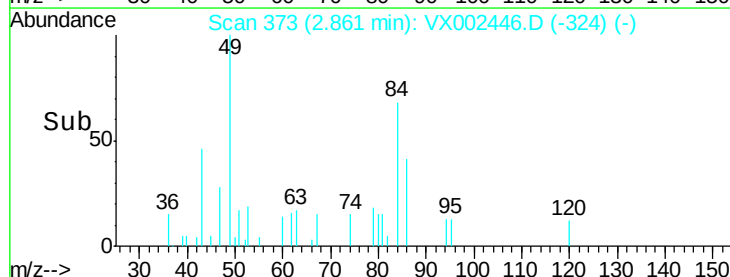
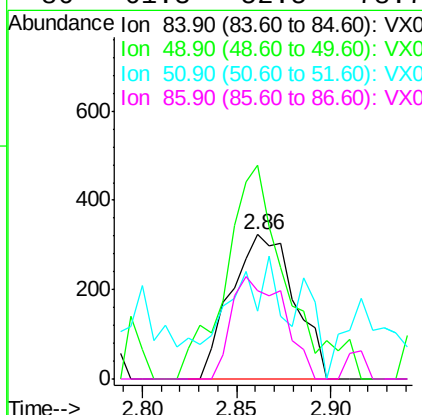
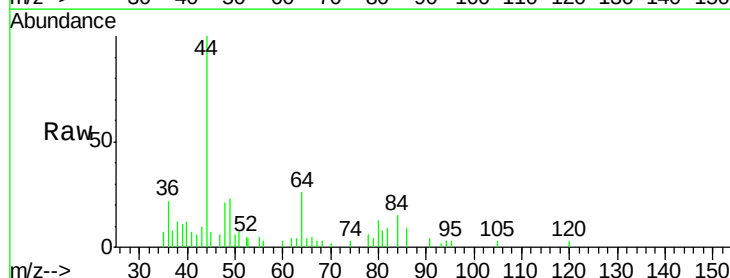
Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-180605

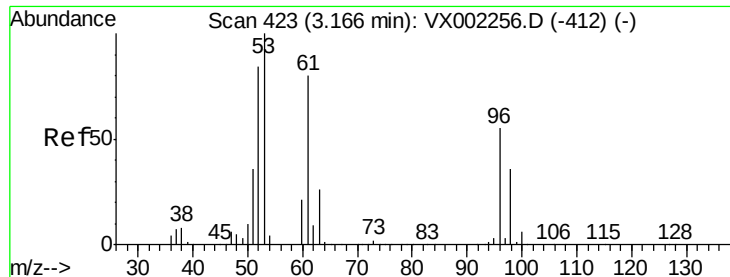
Tgt Ion: 73 Resp: 702
Ion Ratio Lower Upper
73 100
57 32.8 17.7 26.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

Tgt Ion: 84 Resp: 754
Ion Ratio Lower Upper
84 100
49 128.8 107.8 161.6
51 18.9 32.8 49.2#
86 61.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 0.82 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-180605

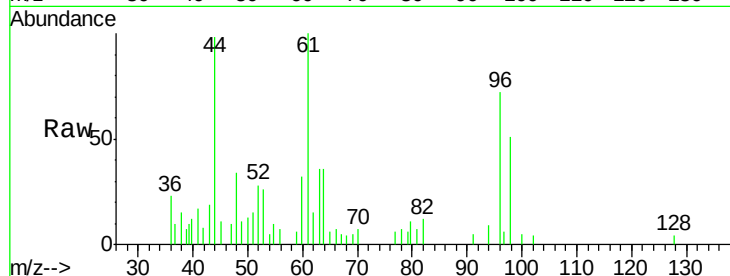
Tgt Ion: 96 Resp: 2202

Ion Ratio Lower Upper

96 100

61 132.4 117.0 175.4

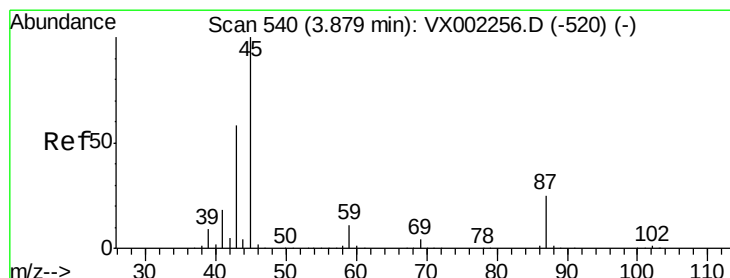
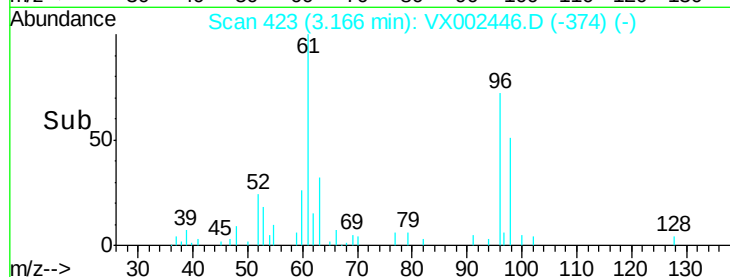
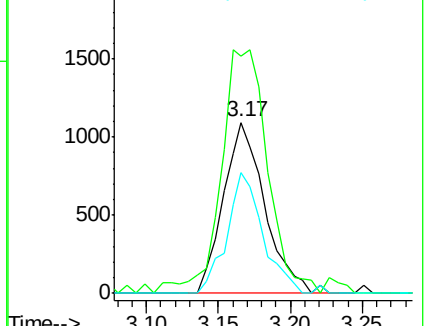
98 70.9 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: Below Cal

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Tgt Ion: 45 Resp: 524

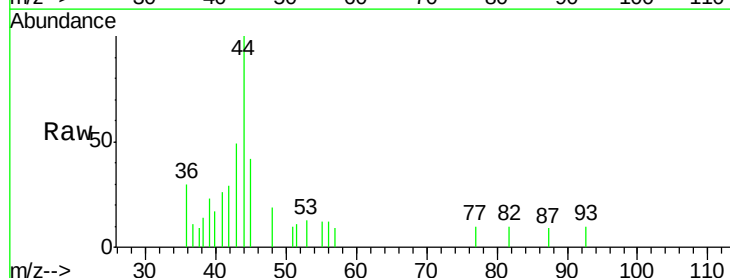
Ion Ratio Lower Upper

45 100

43 89.7 46.8 70.2#

87 29.3 20.2 30.4

59 0.0 8.7 13.1#

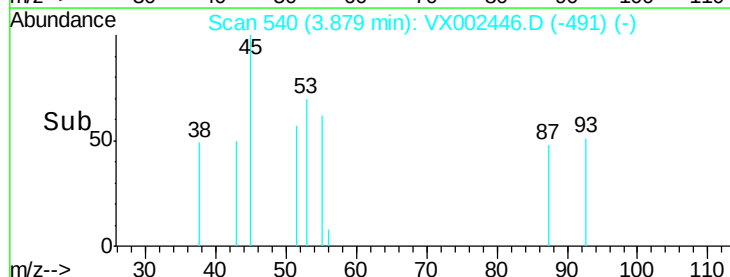
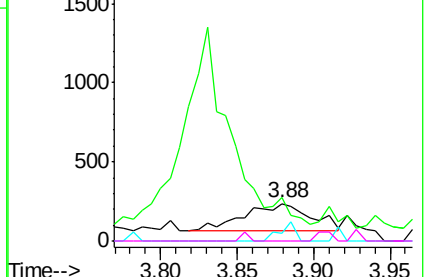


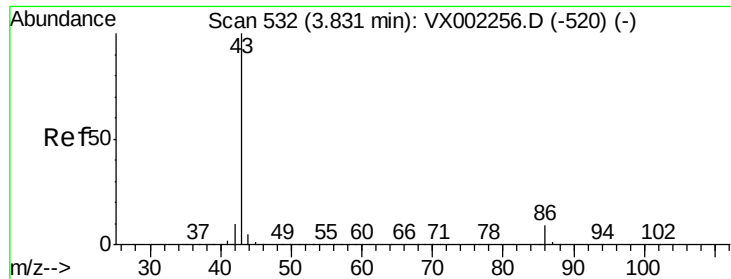
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 0.31 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

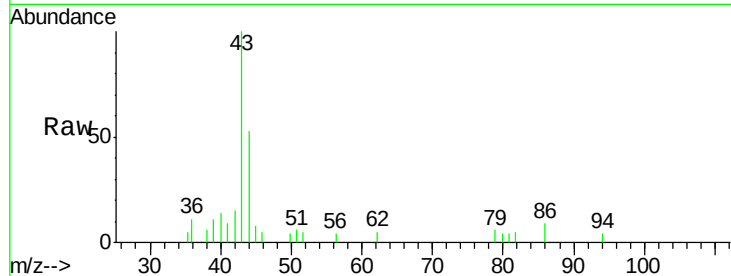
SS050MW641-180605

Tgt Ion: 43 Resp: 2672

Ion Ratio Lower Upper

43 100

86 10.1 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1500

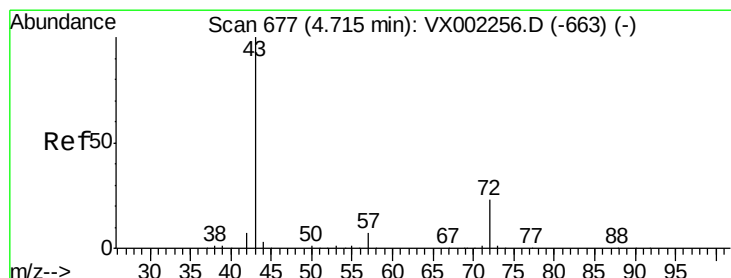
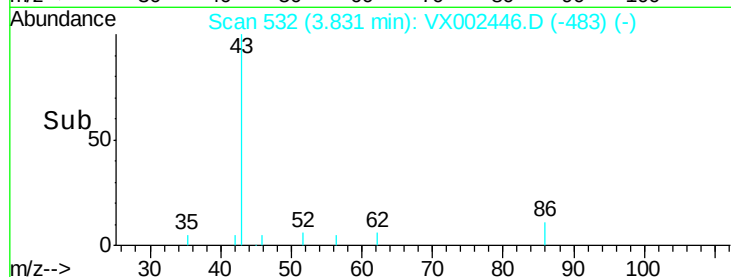
1000

500

0

3.75 3.80 3.85 3.90

Time-->



#25

2-Butanone

Concen: 0.82 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002446.D

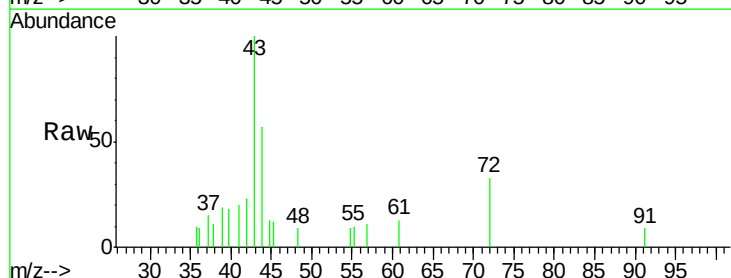
Acq: 11 Jun 2018 16:41

Tgt Ion: 43 Resp: 1834

Ion Ratio Lower Upper

43 100

72 36.8 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

600

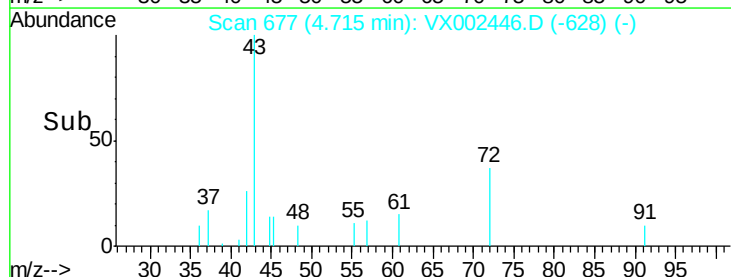
400

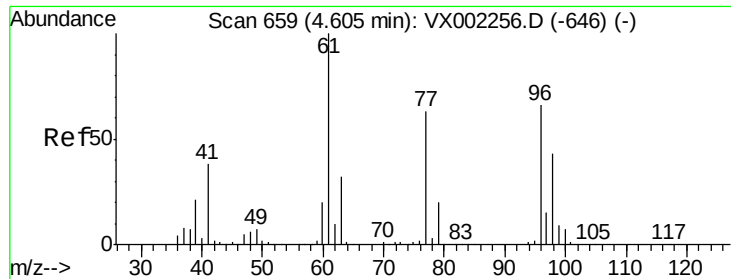
200

0

4.65 4.70 4.75 4.80

Time-->





#27

cis-1,2-Dichloroethene

Concen: 0.45 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-180605

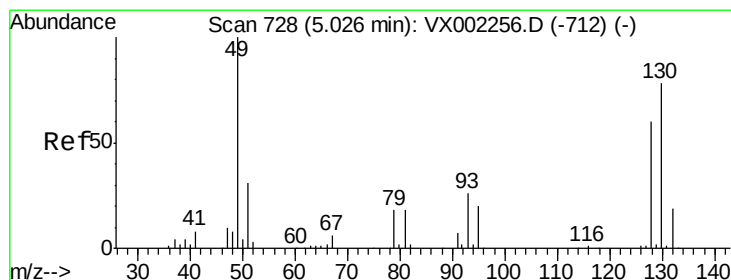
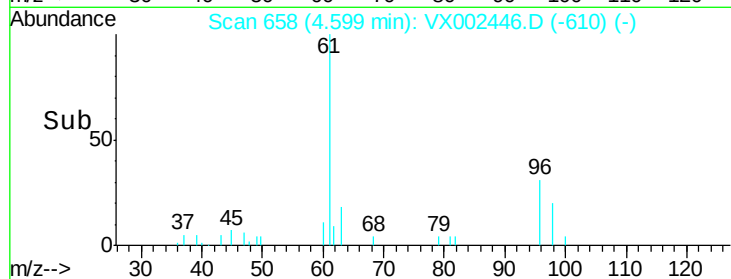
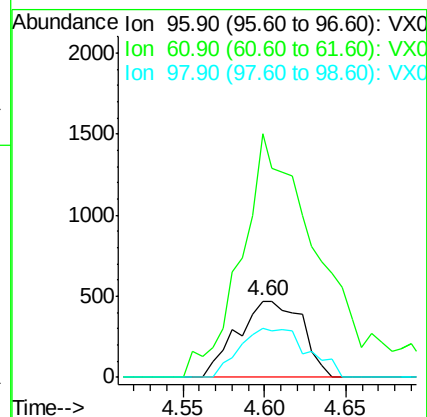
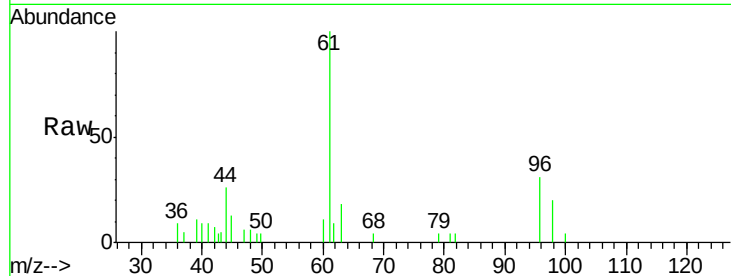
Tgt Ion: 96 Resp: 1313

Ion Ratio Lower Upper

96 100

61 377.5 0.0 330.2#

98 66.0 0.0 130.2



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

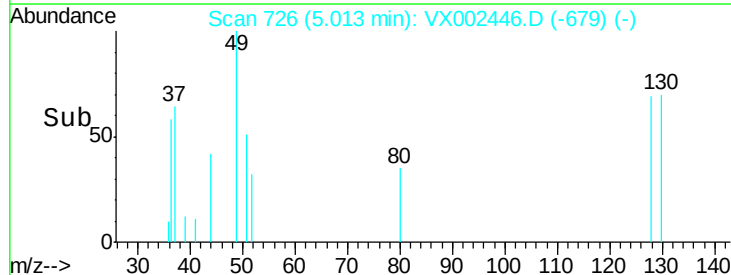
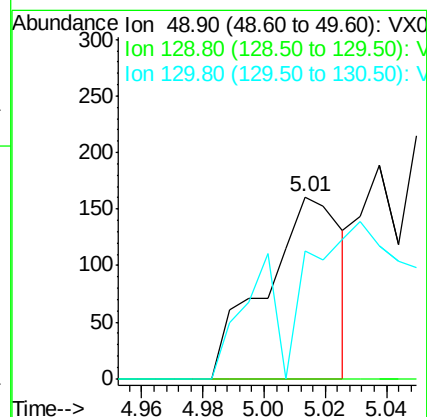
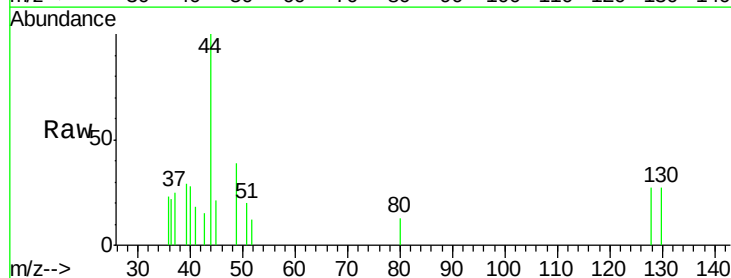
Tgt Ion: 49 Resp: 279

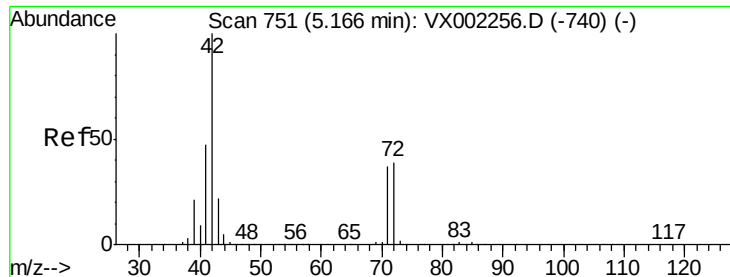
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 30.1 61.2 91.8#





#29

Tetrahydrofuran

Concen: 1.02 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-180605

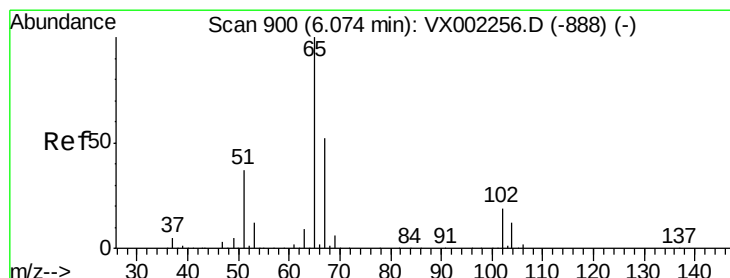
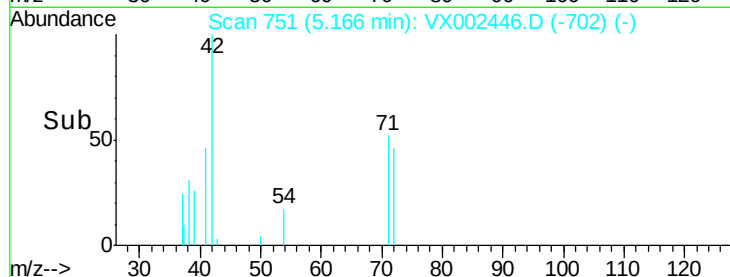
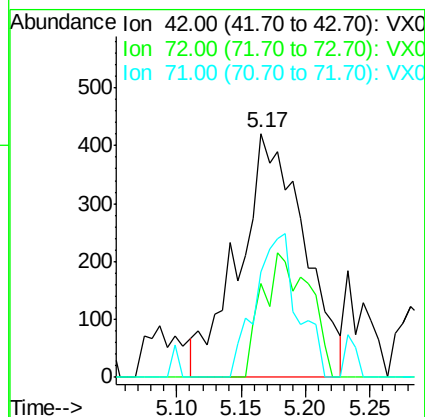
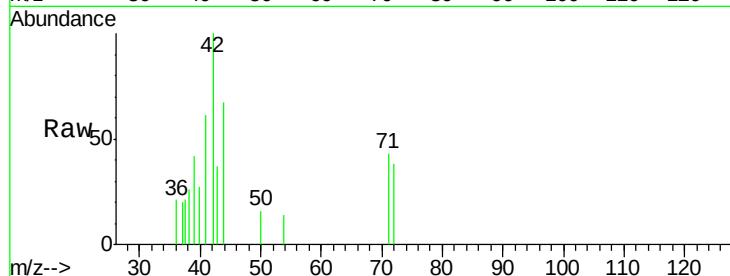
Tgt Ion: 42 Resp: 1469

Ion Ratio Lower Upper

42 100

72 36.7 32.0 48.0

71 38.3 30.1 45.1



#33

1,2-Dichloroethane-d4

Concen: 54.21 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002446.D

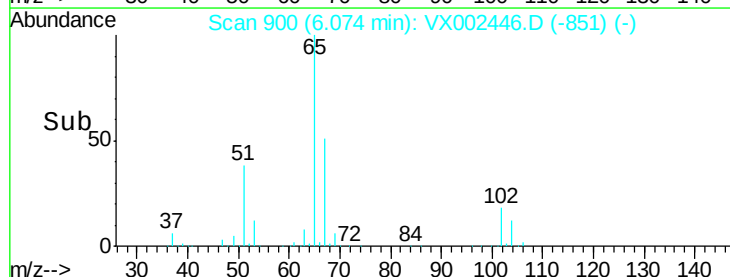
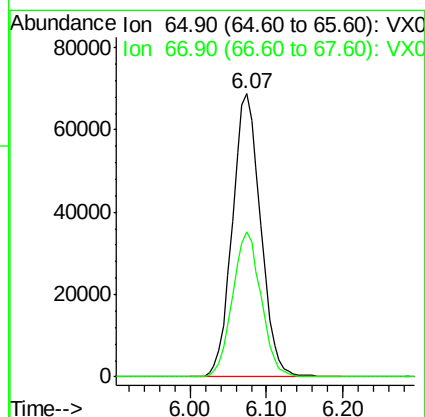
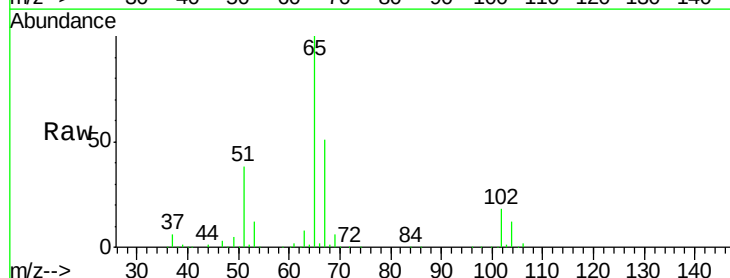
Acq: 11 Jun 2018 16:41

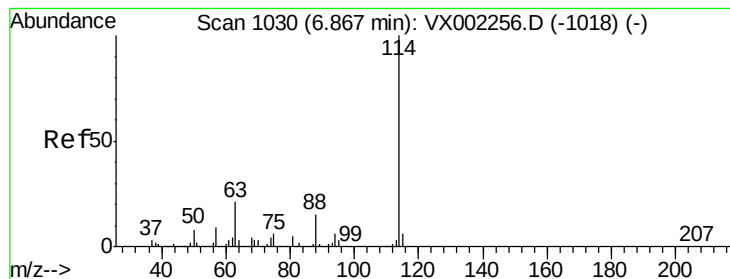
Tgt Ion: 65 Resp: 175676

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-180605

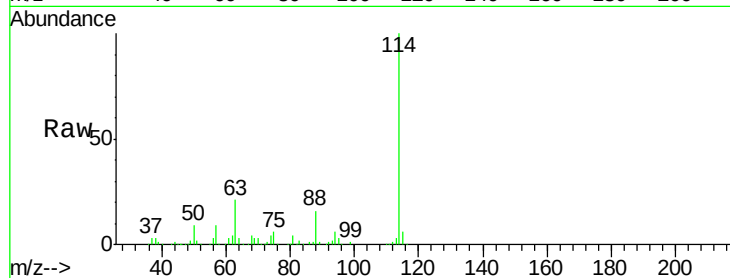
Tgt Ion:114 Resp: 335021

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

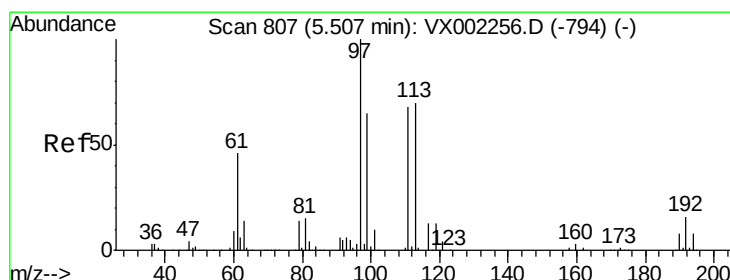
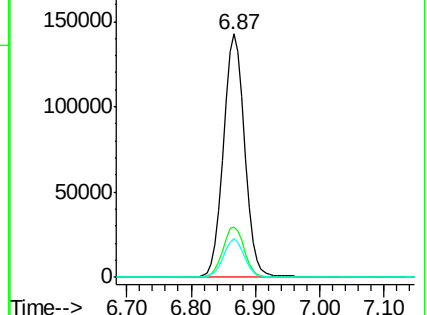
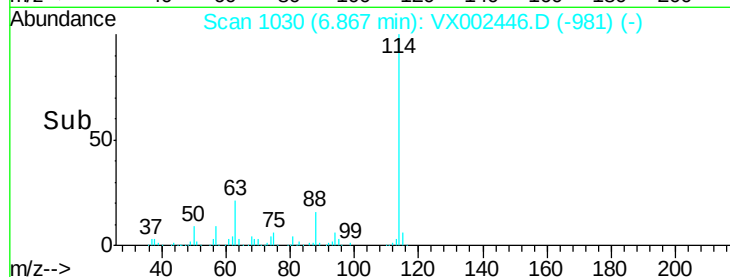
88 15.7 0.0 30.0



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: 51.21 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

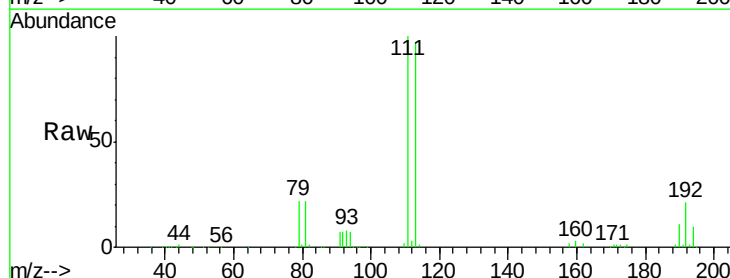
Tgt Ion:113 Resp: 134919

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

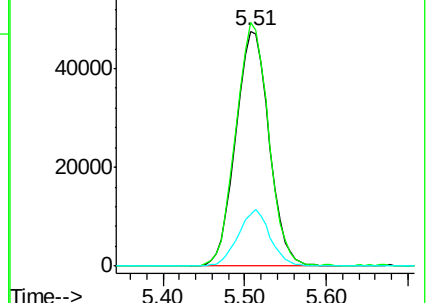
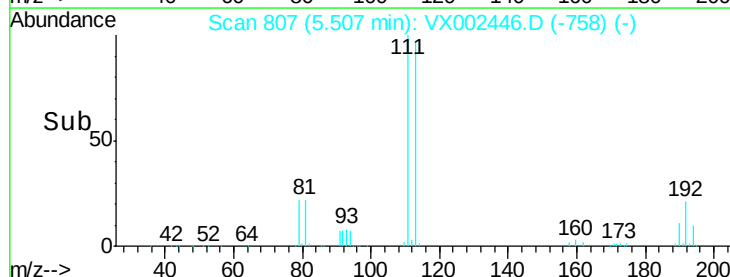
192 23.0 19.1 28.7

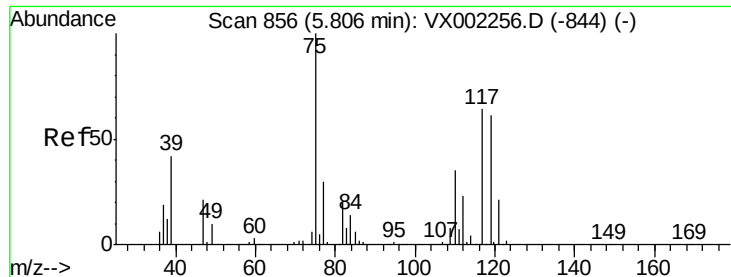


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

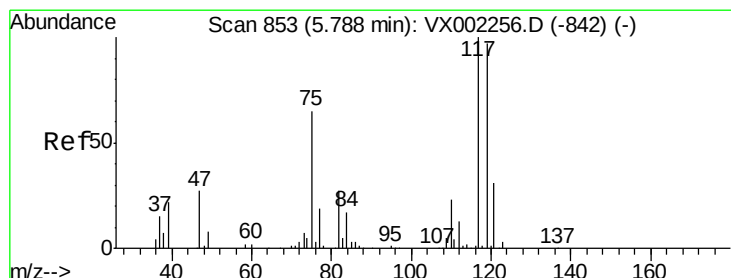
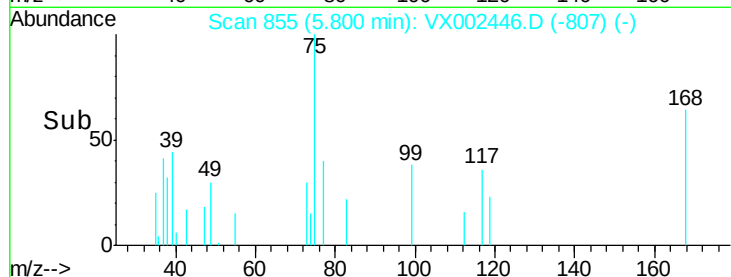
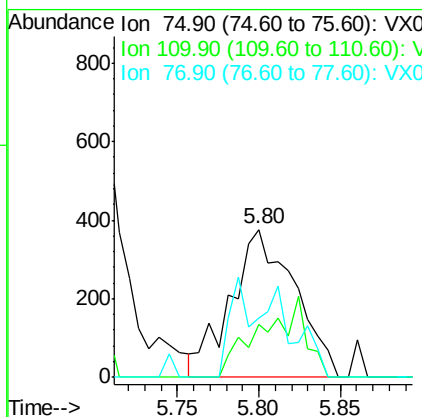
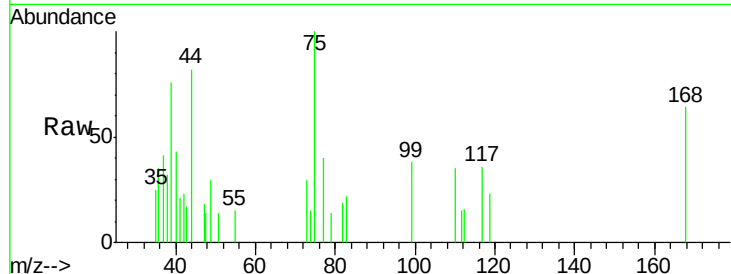




#36
 1,1-Dichloropropene
 Concen: 0.29 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX002446.D
 Acq: 11 Jun 2018 16:41

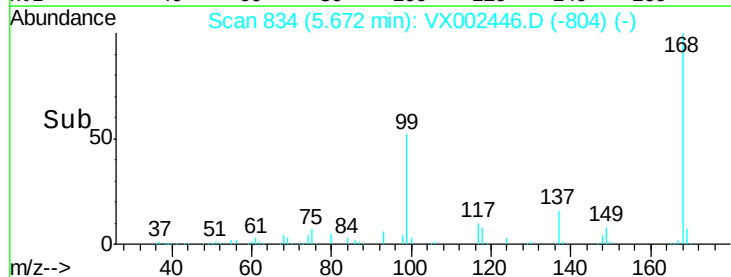
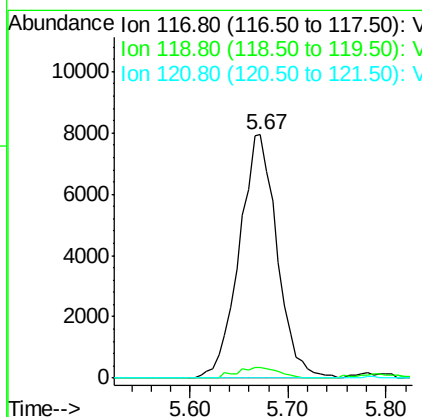
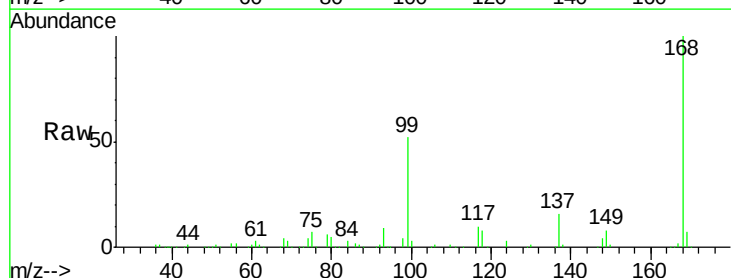
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-180605

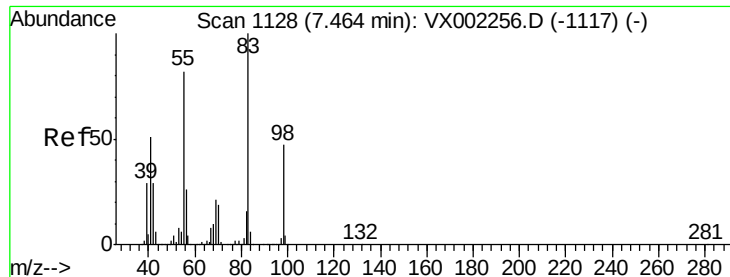
Tgt Ion: 75 Resp: 1025
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.1 54.4#
 77 24.5 24.3 36.5



#38
 Carbon Tetrachloride
 Concen: 5.77 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002446.D
 Acq: 11 Jun 2018 16:41

Tgt Ion: 117 Resp: 21246
 Ion Ratio Lower Upper
 117 100
 119 4.3 77.4 116.0#
 121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.46 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-180605

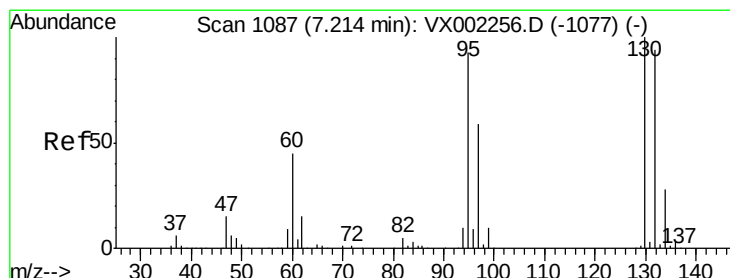
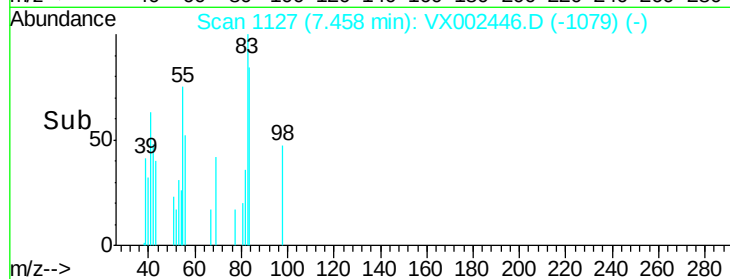
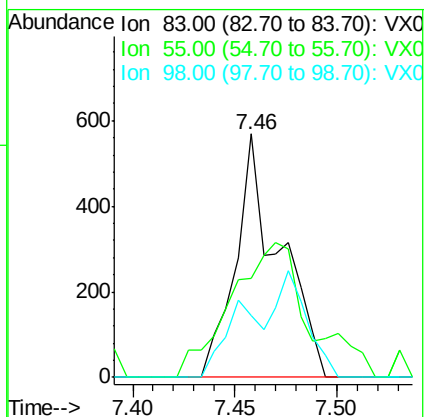
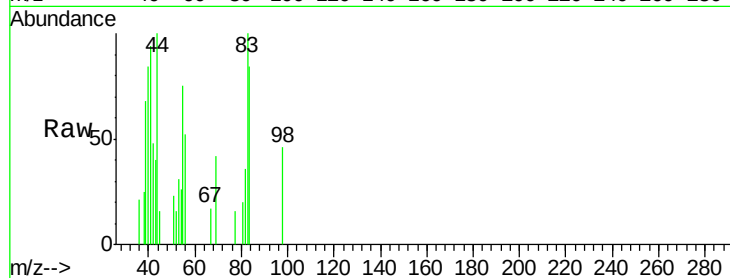
Tgt Ion: 83 Resp: 846

Ion Ratio Lower Upper

83 100

55 29.2 65.4 98.0#

98 25.3 37.4 56.0#



#44

Trichloroethene

Concen: 0.30 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002446.D

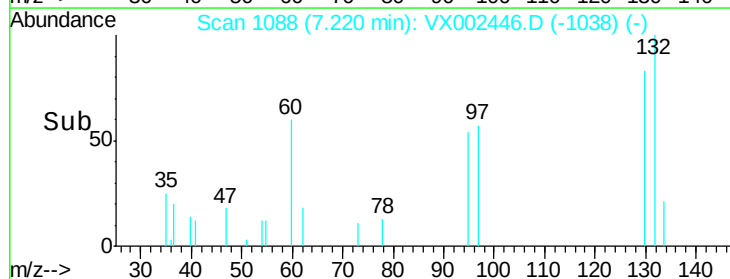
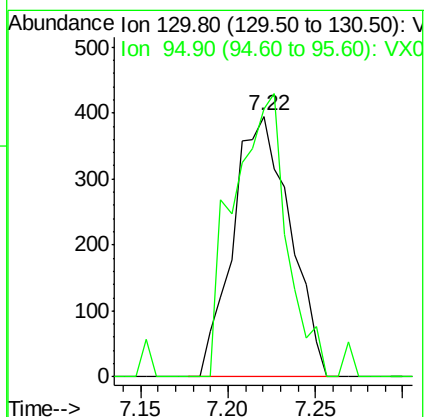
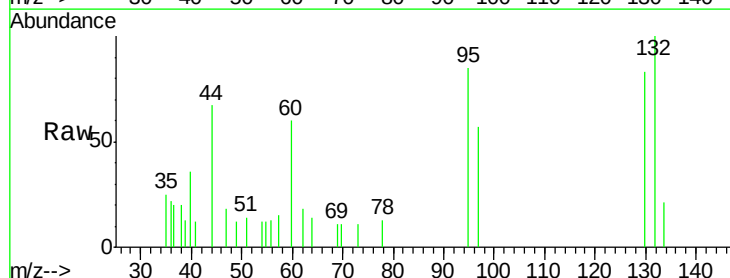
Acq: 11 Jun 2018 16:41

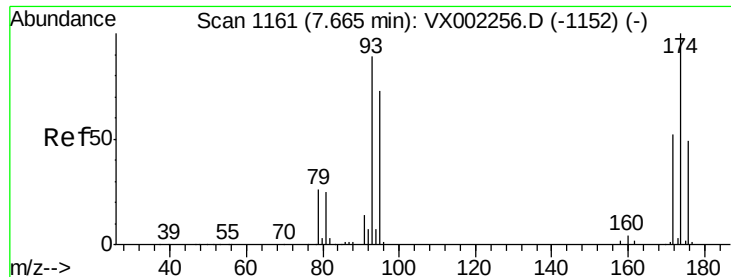
Tgt Ion: 130 Resp: 901

Ion Ratio Lower Upper

130 100

95 103.0 0.0 185.4

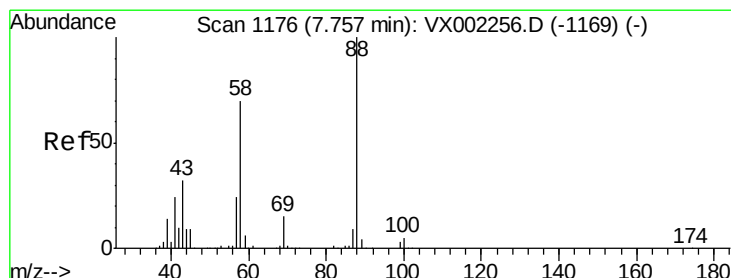
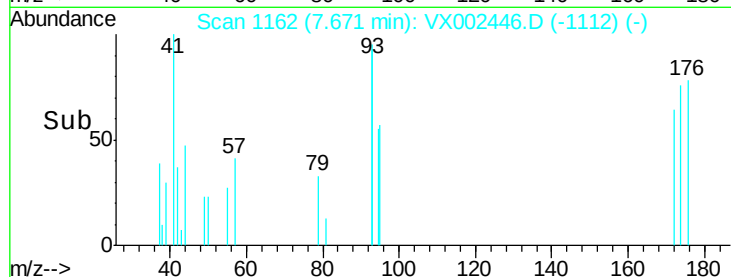
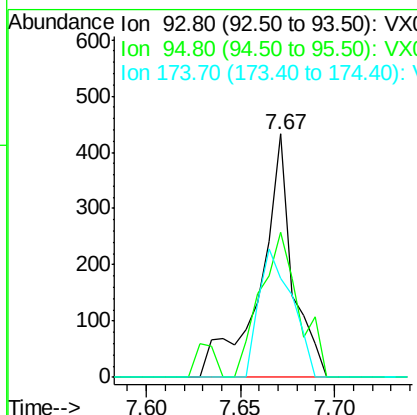
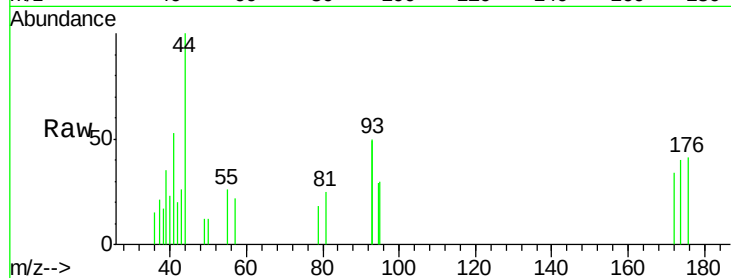




#46
 Dibromomethane
 Concen: 0.26 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX002446.D
 Acq: 11 Jun 2018 16:41

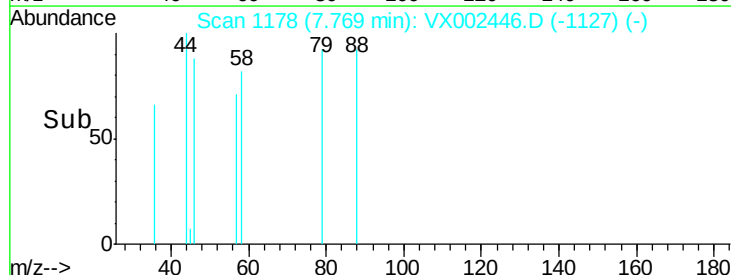
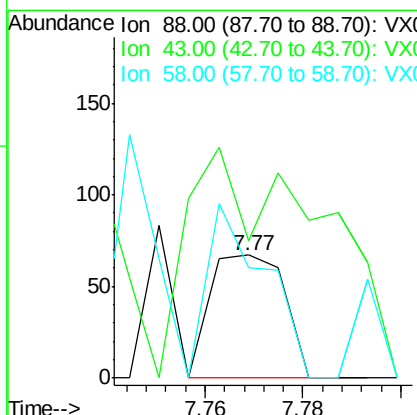
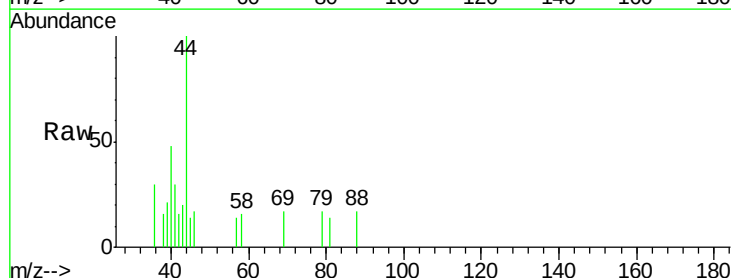
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-180605

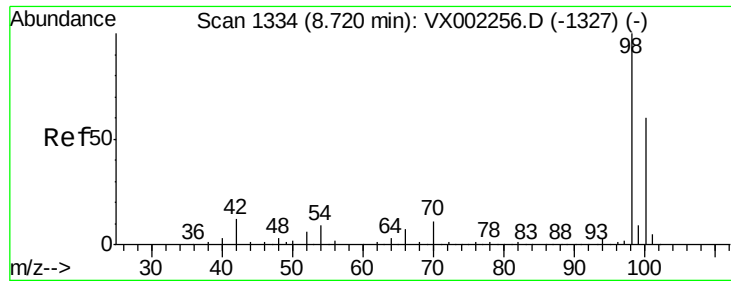
Tgt Ion: 93 Resp: 511
 Ion Ratio Lower Upper
 93 100
 95 72.0 65.9 98.9
 174 54.4 92.4 138.6#



#49
 1,4-Dioxane
 Concen: 1.04 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: VX002446.D
 Acq: 11 Jun 2018 16:41

Tgt Ion: 88 Resp: 70
 Ion Ratio Lower Upper
 88 100
 43 155.7 29.8 44.6#
 58 111.4 57.1 85.7#

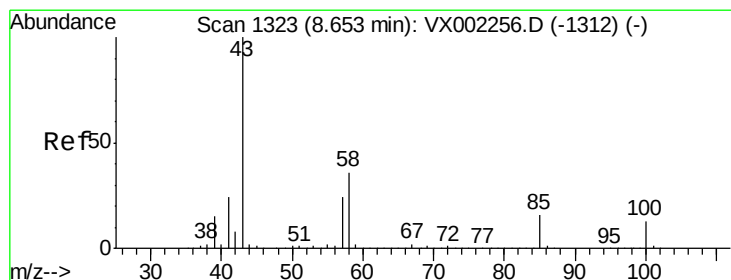
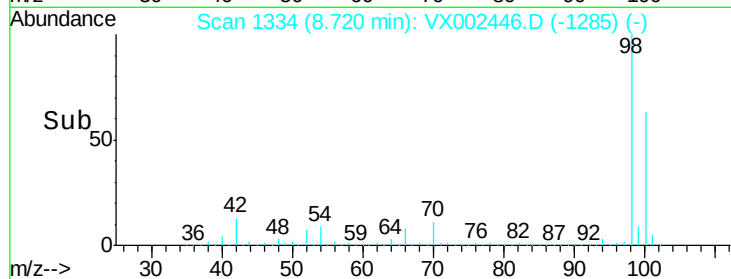
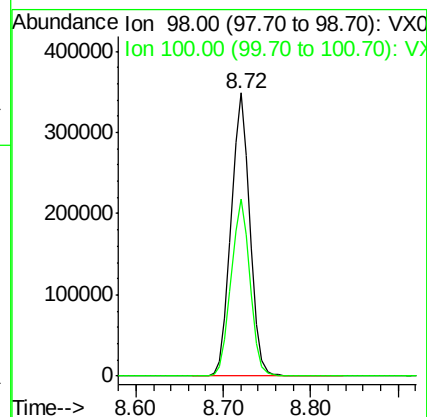
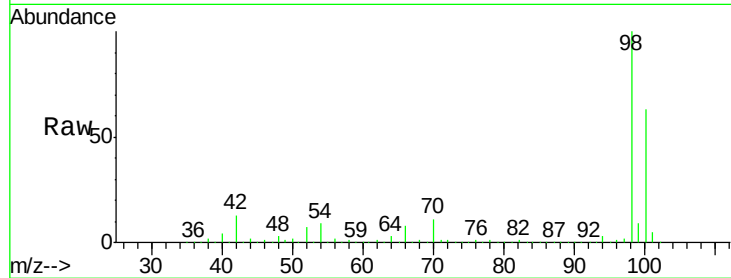




#50
Toluene-d8
Concen: 51.41 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

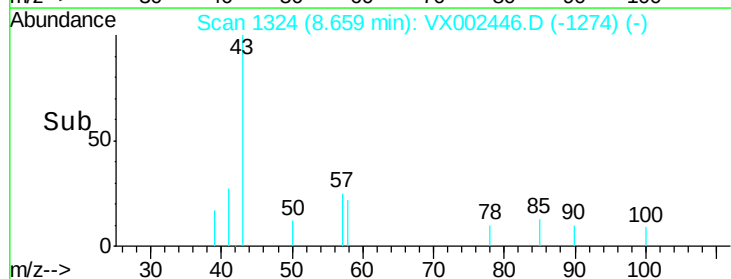
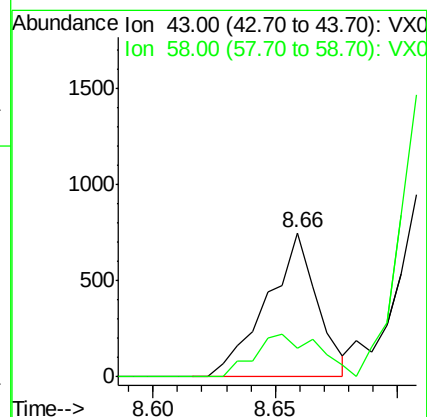
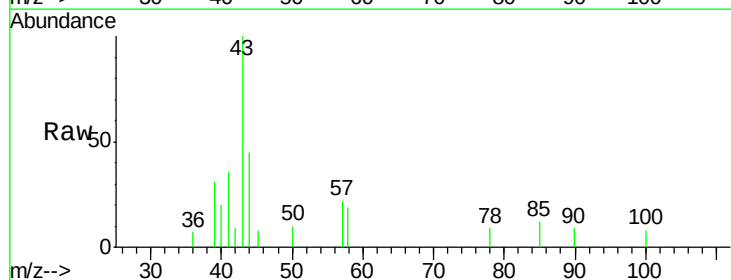
Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-180605

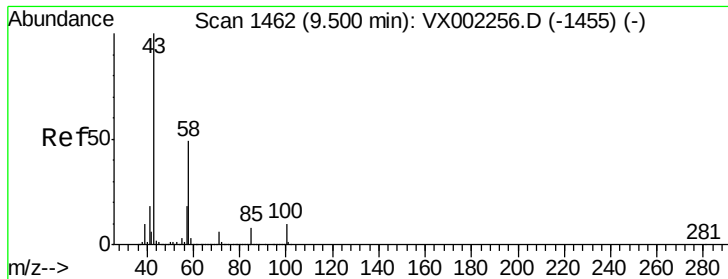
Tgt Ion: 98 Resp: 519208
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.01 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

Tgt Ion: 43 Resp: 1076
Ion Ratio Lower Upper
43 100
58 38.0 28.6 42.8

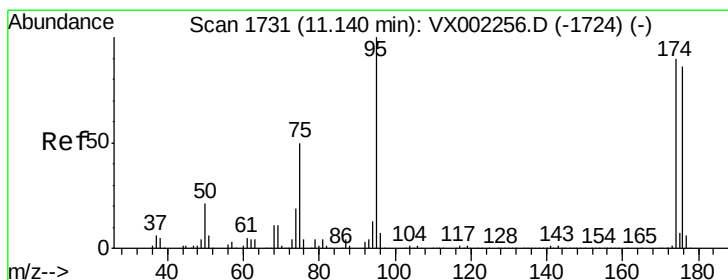
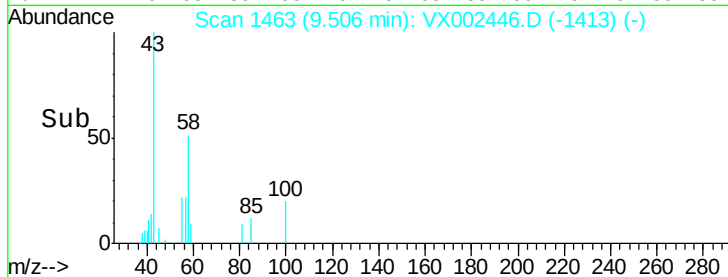
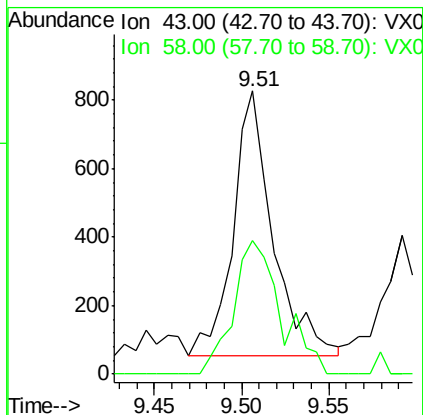
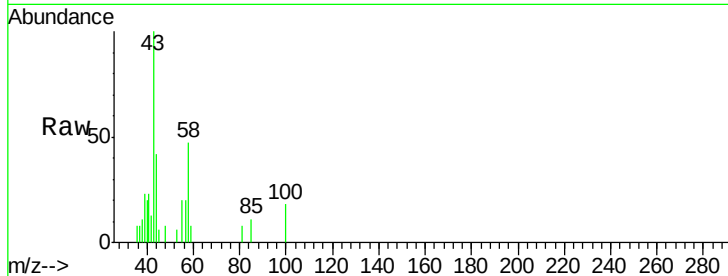




#59
2-Hexanone
Concen: 0.35 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

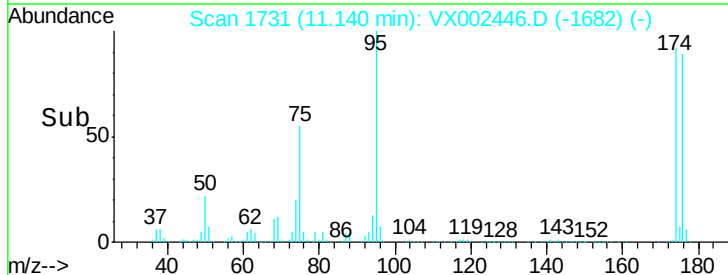
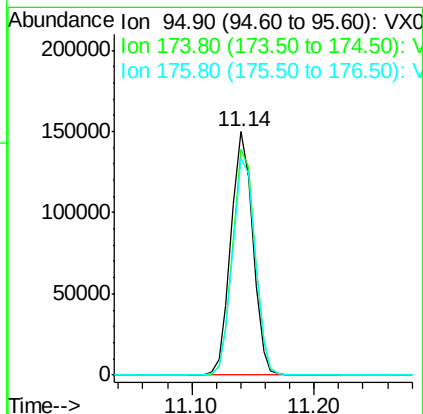
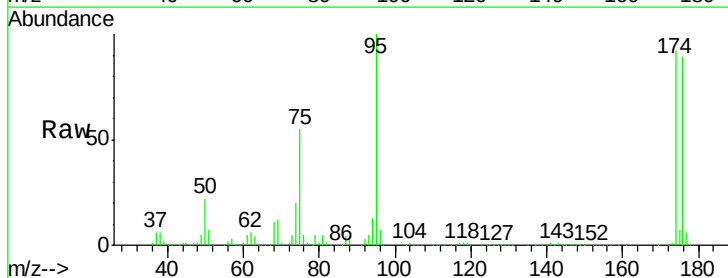
Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-180605

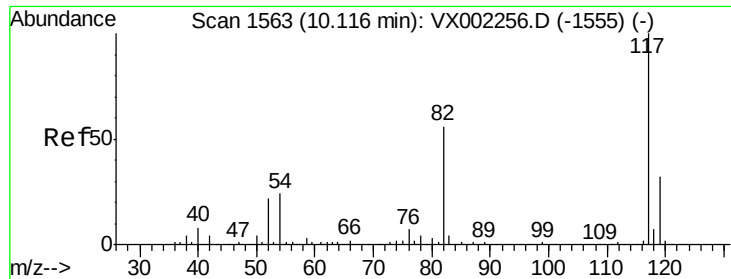
Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
58 60.6 24.6 73.6



#62
4-Bromofluorobenzene
Concen: 47.36 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

Tgt Ion: 95 Resp: 184440
Ion Ratio Lower Upper
95 100
174 95.1 0.0 187.4
176 92.2 0.0 181.0

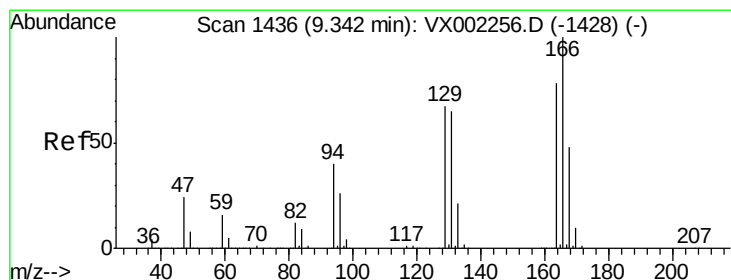
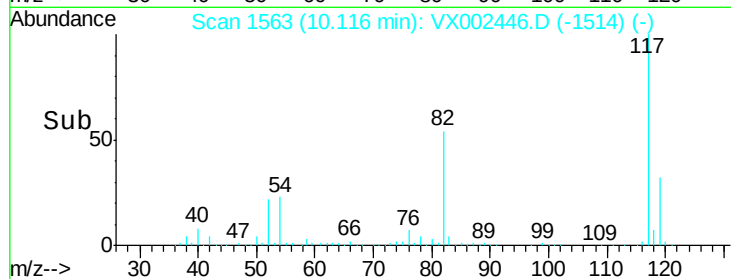
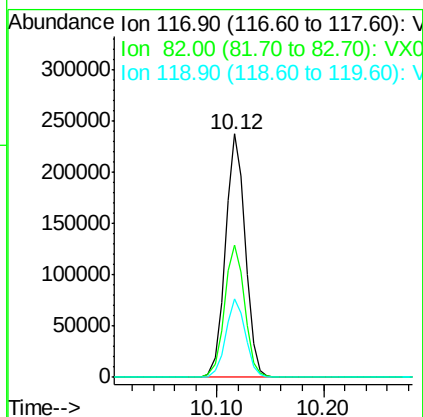
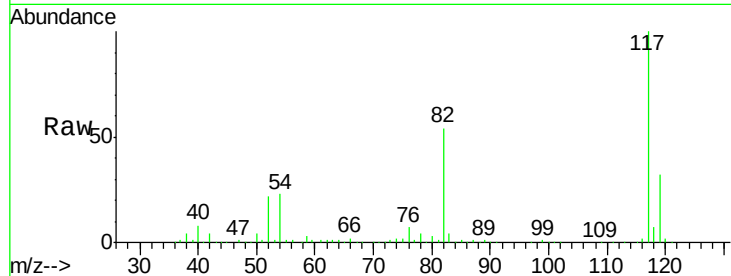




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

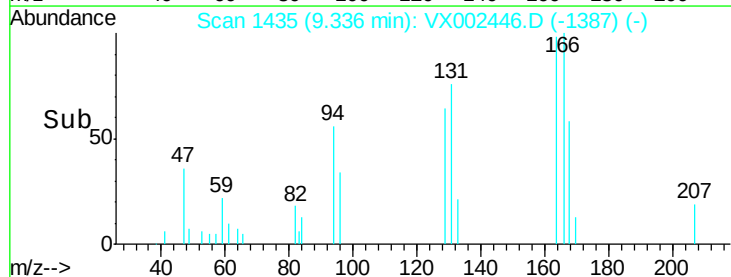
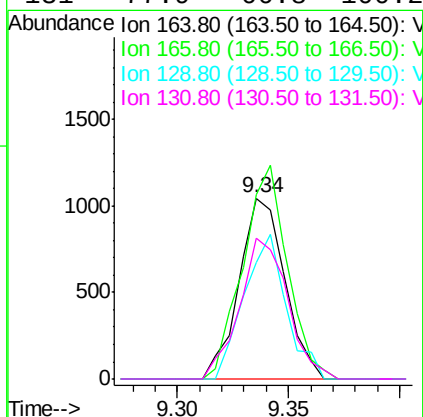
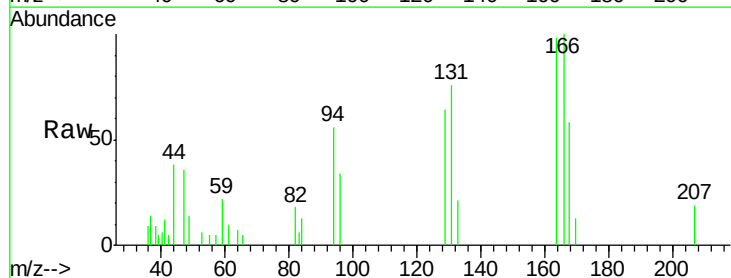
Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-180605

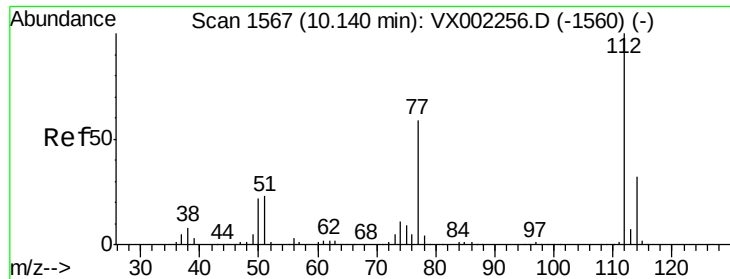
Tgt Ion:117 Resp: 309985
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 0.47 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

Tgt Ion:164 Resp: 1495
Ion Ratio Lower Upper
164 100
166 101.9 102.9 154.3#
129 64.8 68.6 102.8#
131 77.9 66.8 100.2





#65

Chlorobenzene

Concen: 0.22 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

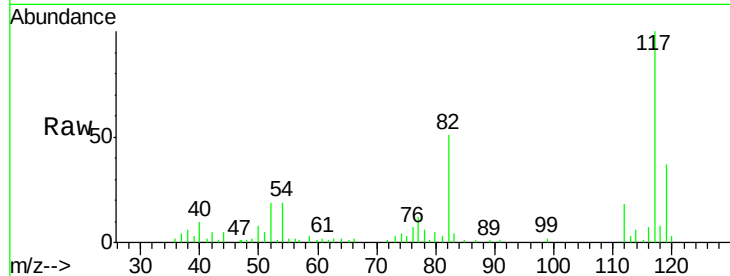
SS050MW641-180605

Tgt Ion:112 Resp: 1699

Ion Ratio Lower Upper

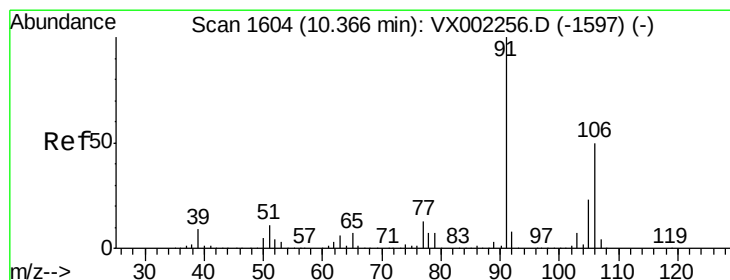
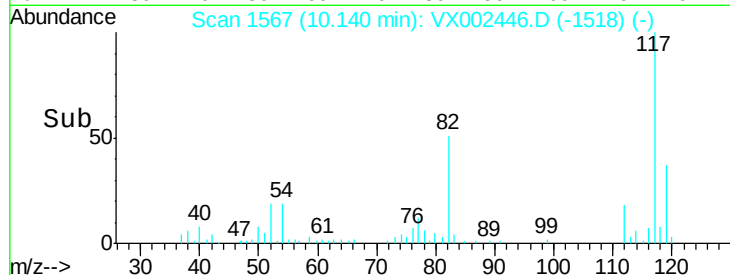
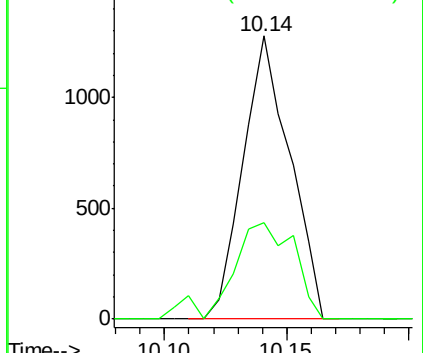
112 100

114 34.2 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#68

m/p-Xylenes

Concen: 0.42 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002446.D

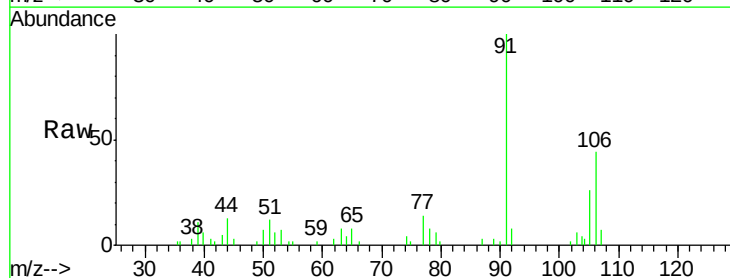
Acq: 11 Jun 2018 16:41

Tgt Ion:106 Resp: 2121

Ion Ratio Lower Upper

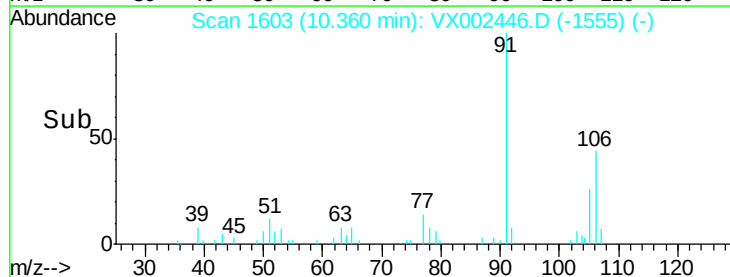
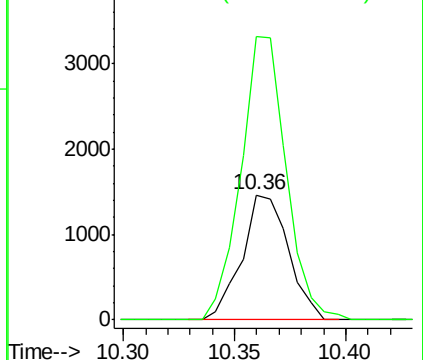
106 100

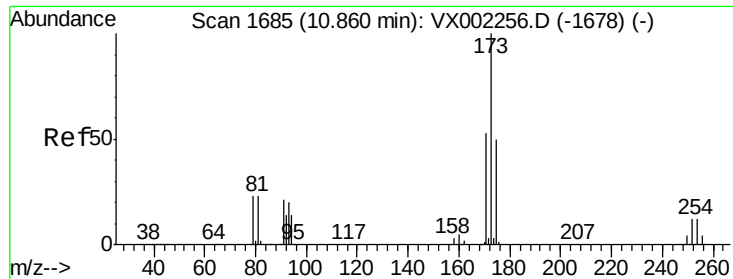
91 221.7 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#71

Bromoform

Concen: 3.49 ug/l

RT: 10.85 min Scan# 1684

Delta R.T. -0.01 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-180605

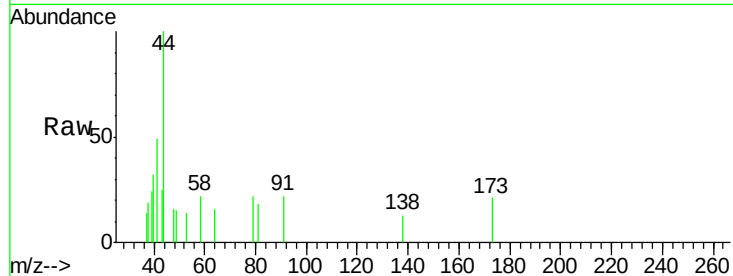
Tgt Ion:173 Resp: 76

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

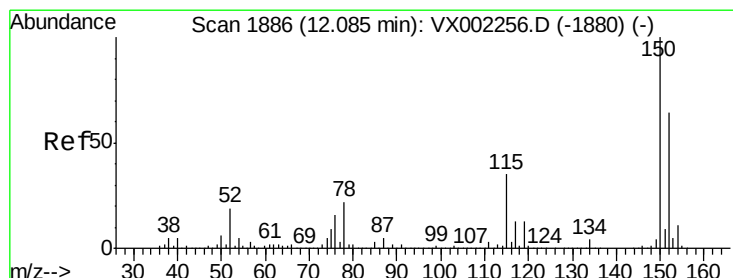
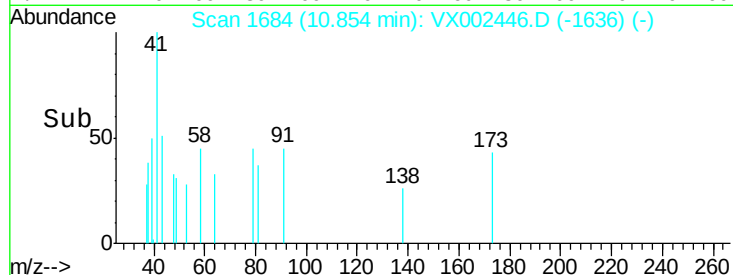
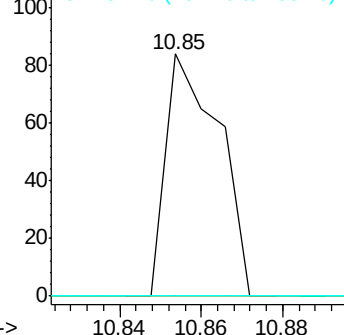
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

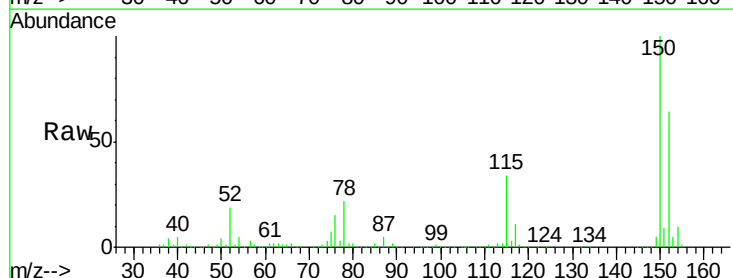
Tgt Ion:152 Resp: 178016

Ion Ratio Lower Upper

152 100

115 55.5 40.1 120.2

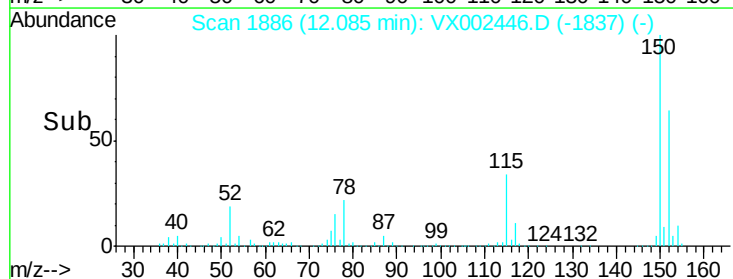
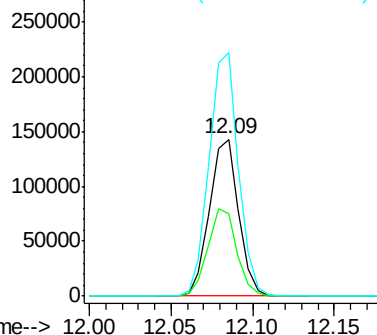
150 156.2 0.0 347.2

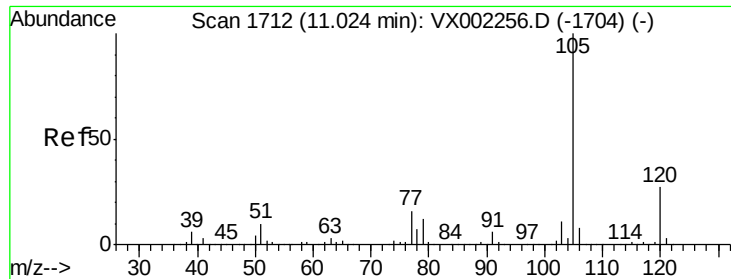


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

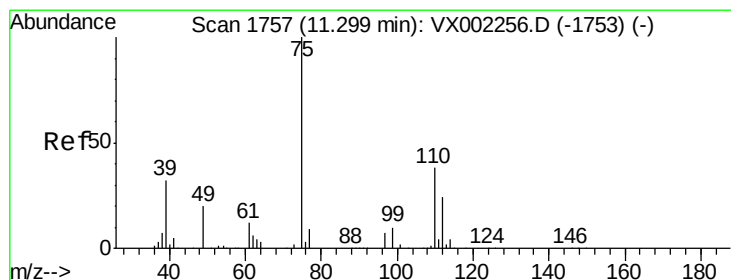
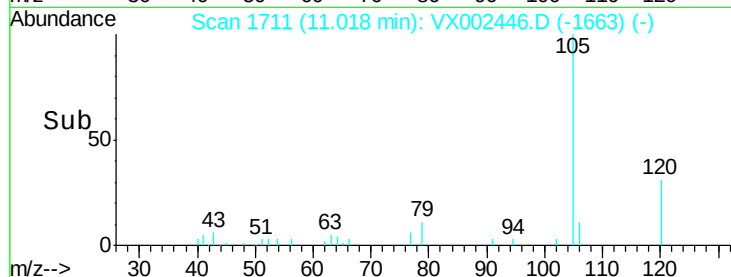
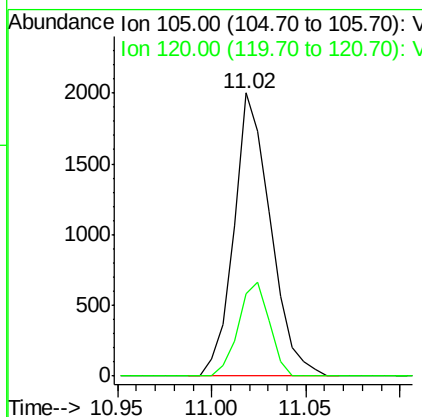
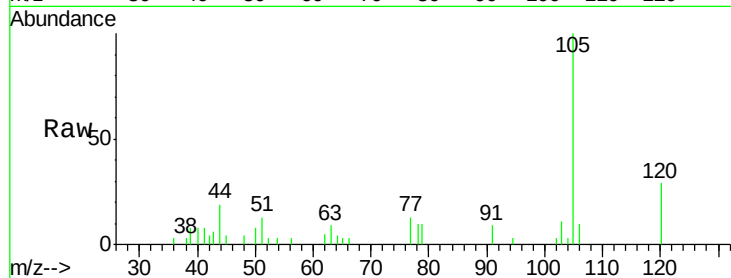




#73
Isopropylbenzene
Concen: 0.22 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

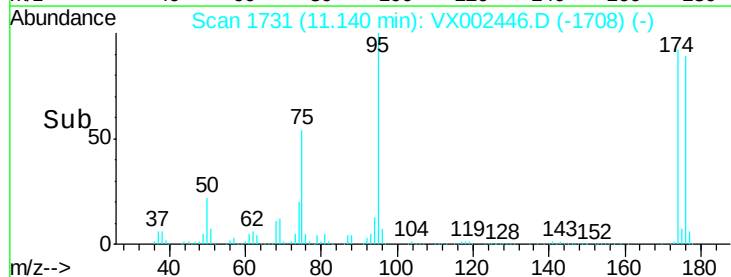
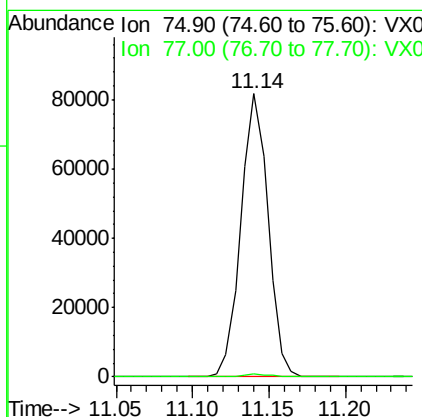
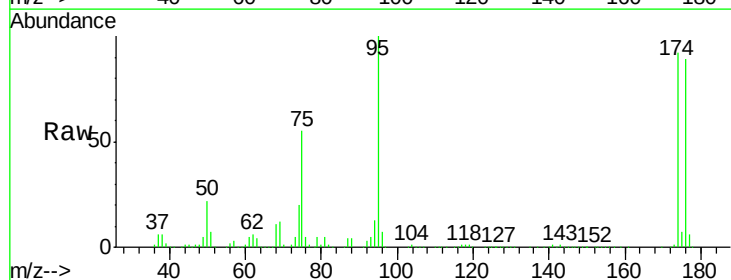
Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-180605

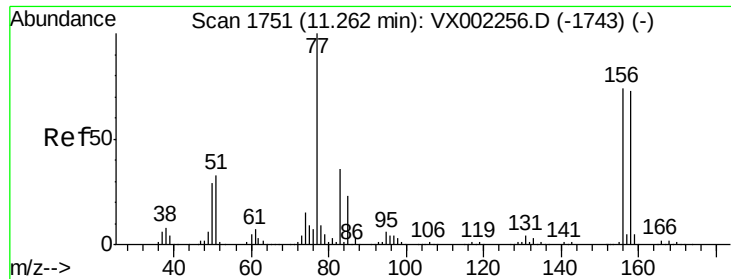
Tgt Ion: 105 Resp: 2699
Ion Ratio Lower Upper
105 100
120 27.9 13.5 40.4



#76
1,2,3-Trichloropropane
Concen: 25.78 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

Tgt Ion: 75 Resp: 100696
Ion Ratio Lower Upper
75 100
77 1.1 22.8 68.3#





#77

Bromobenzene

Concen: 0.27 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-180605

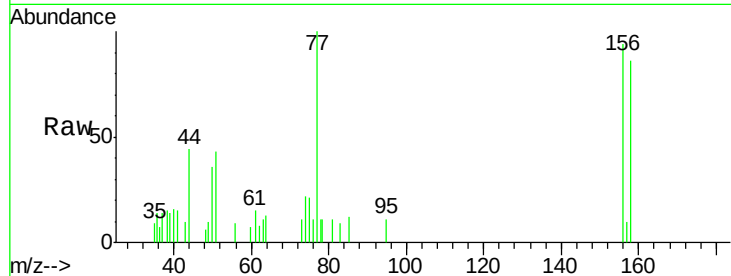
Tgt Ion: 156 Resp: 951

Ion Ratio Lower Upper

156 100

77 153.8 71.4 214.2

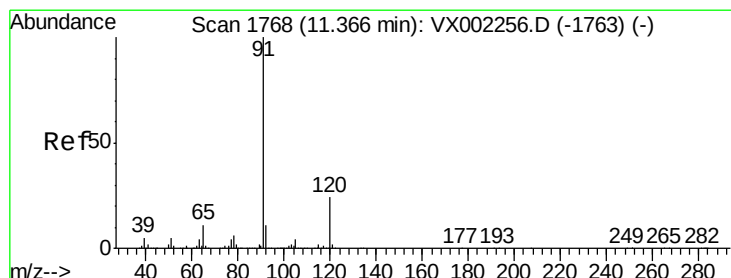
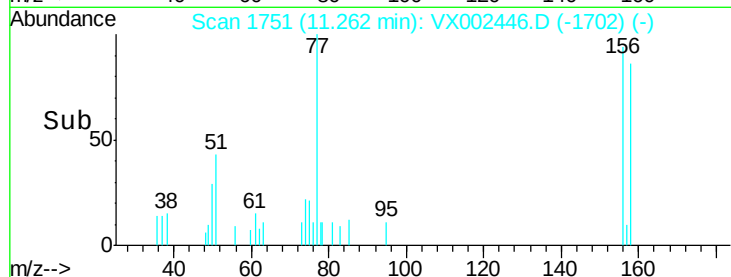
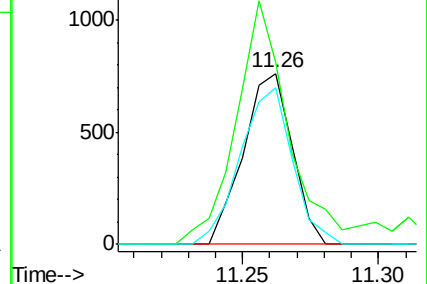
158 98.0 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.33 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002446.D

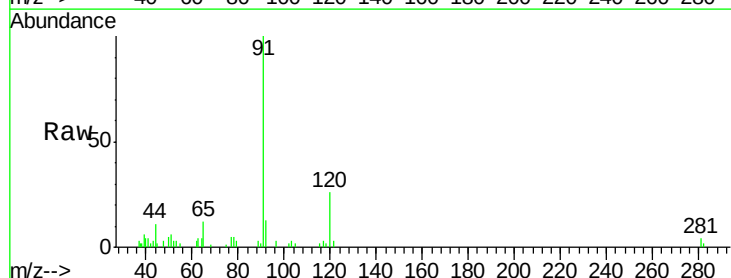
Acq: 11 Jun 2018 16:41

Tgt Ion: 91 Resp: 4534

Ion Ratio Lower Upper

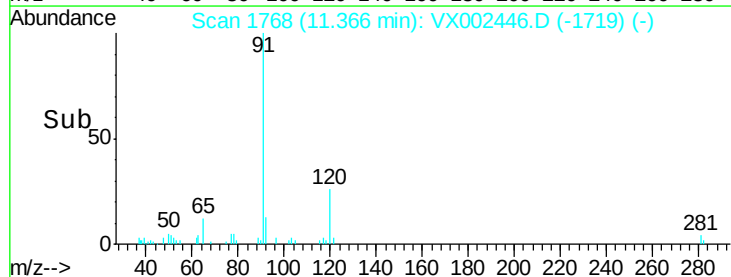
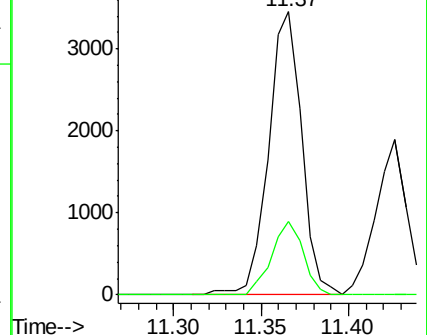
91 100

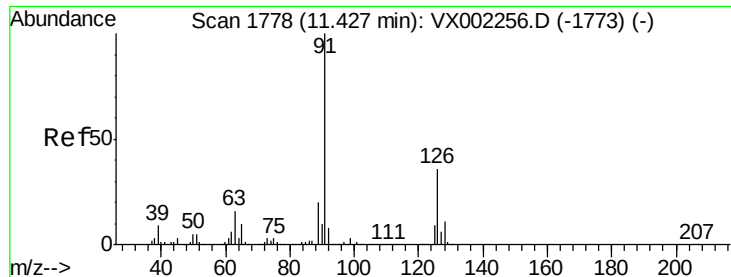
120 24.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.28 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

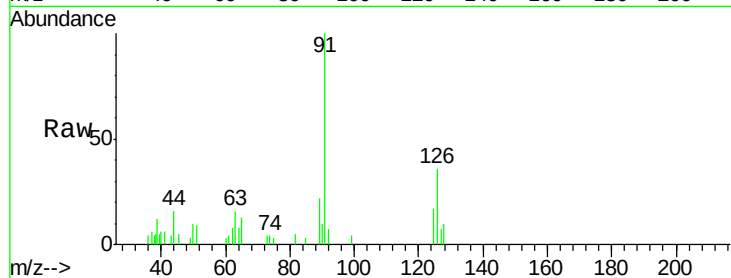
SS050MW641-180605

Tgt Ion: 91 Resp: 2466

Ion Ratio Lower Upper

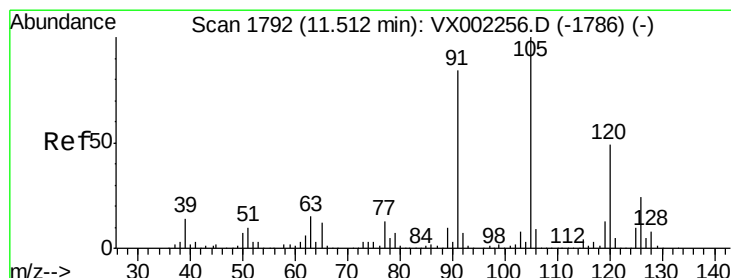
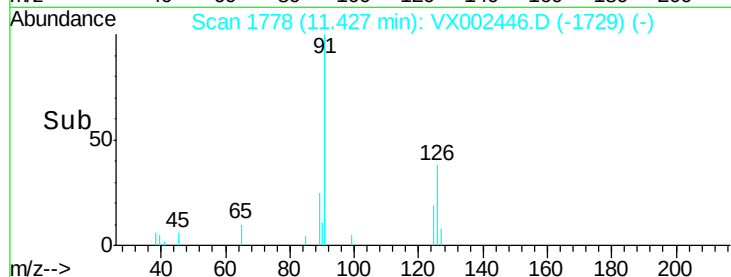
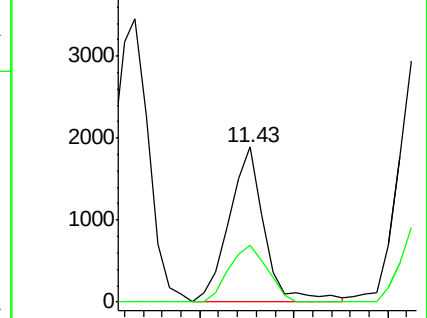
91 100

126 39.1 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 0.28 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002446.D

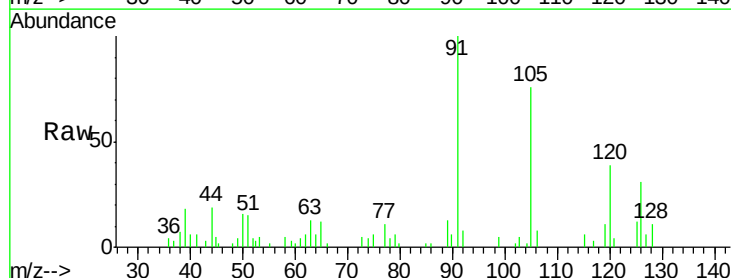
Acq: 11 Jun 2018 16:41

Tgt Ion: 105 Resp: 2993

Ion Ratio Lower Upper

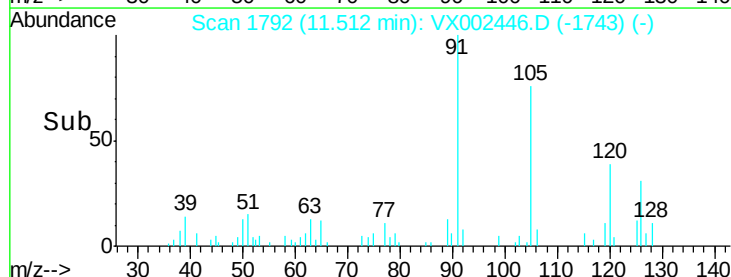
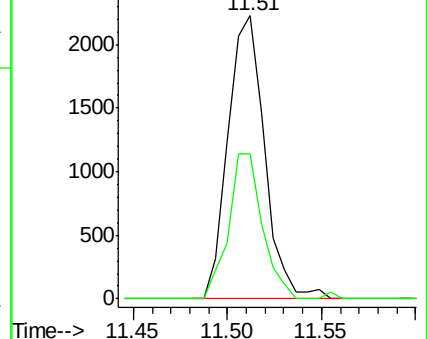
105 100

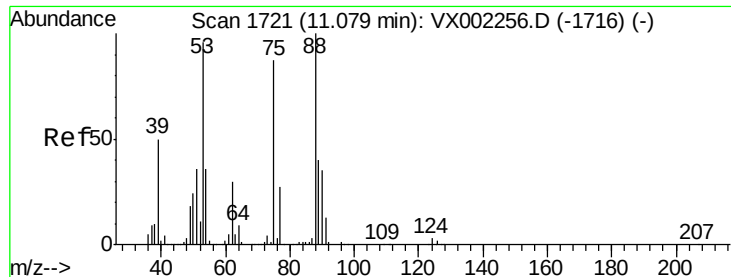
120 47.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 90.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-180605

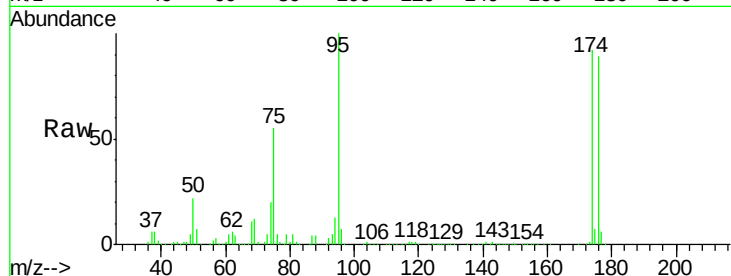
Tgt Ion: 75 Resp: 100696

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

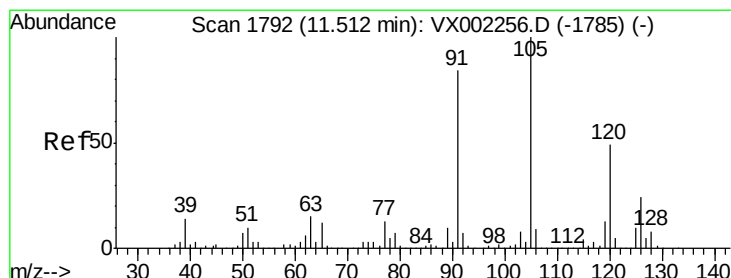
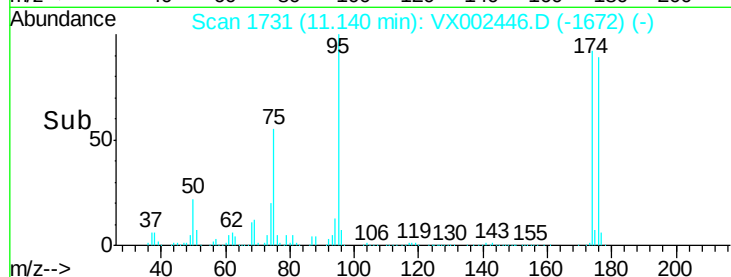
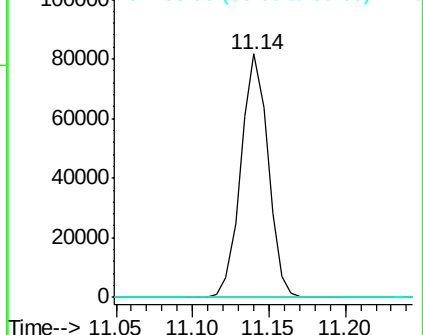
89 0.0 38.2 57.2#



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



#82

4-Chlorotoluene

Concen: 0.37 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002446.D

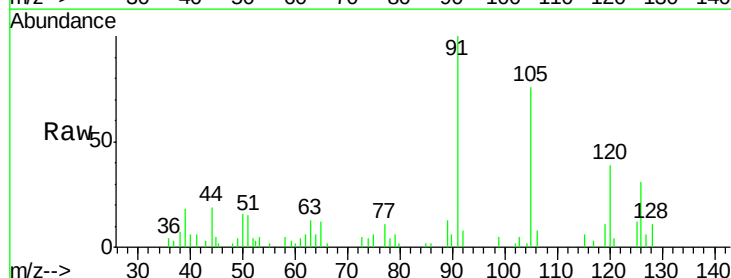
Acq: 11 Jun 2018 16:41

Tgt Ion: 91 Resp: 3692

Ion Ratio Lower Upper

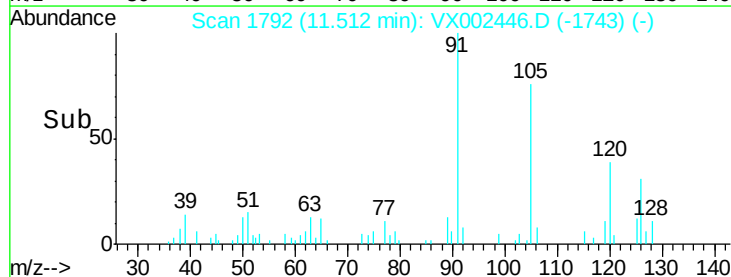
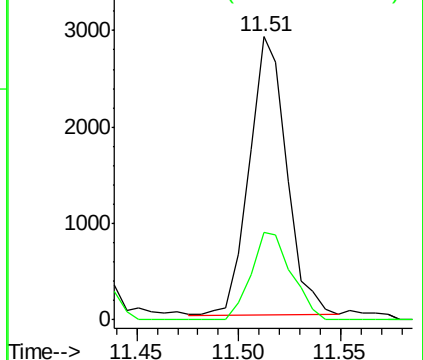
91 100

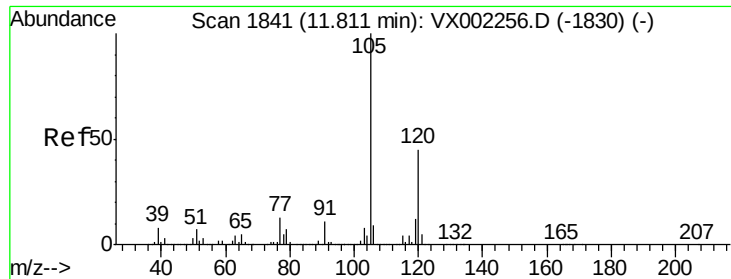
126 33.9 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

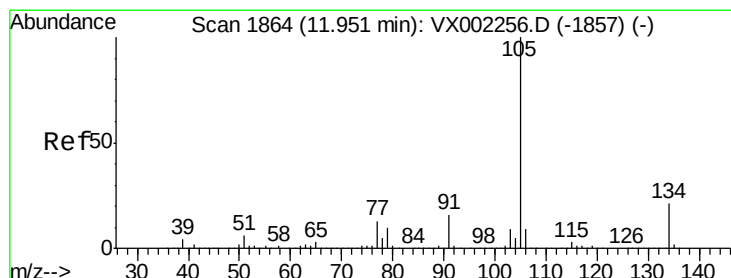
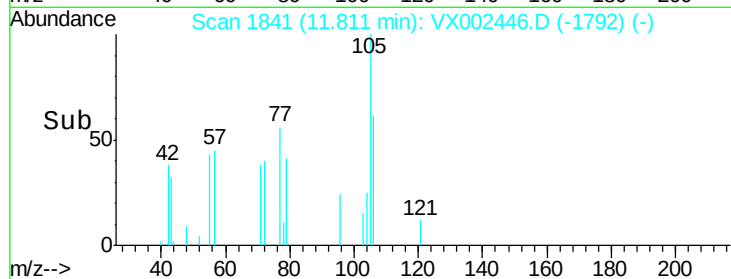
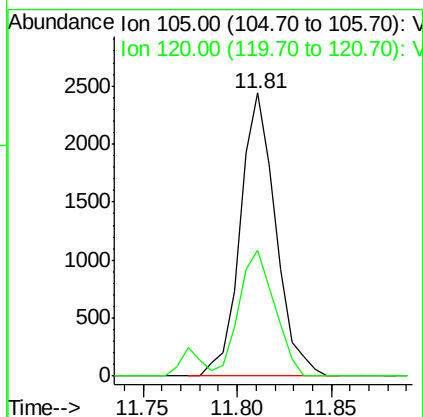
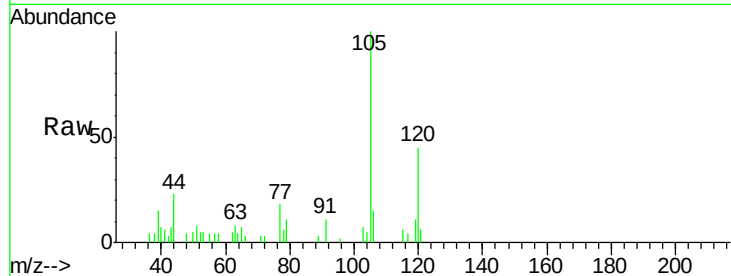




#84
1,2,4-Trimethylbenzene
Concen: 0.29 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

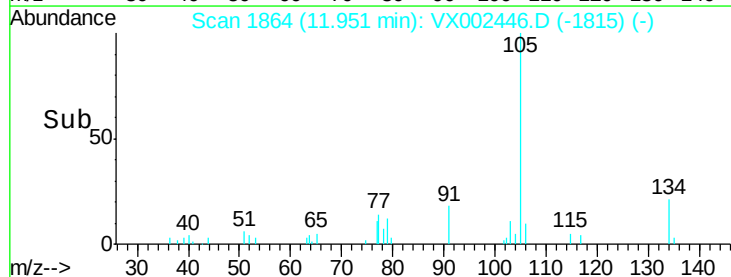
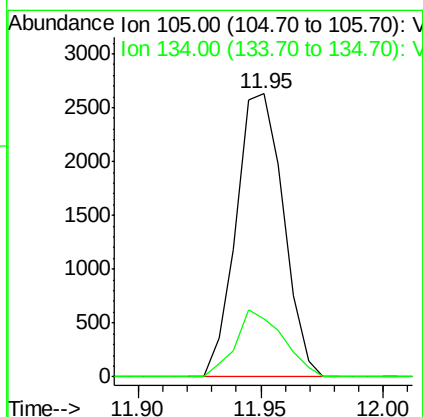
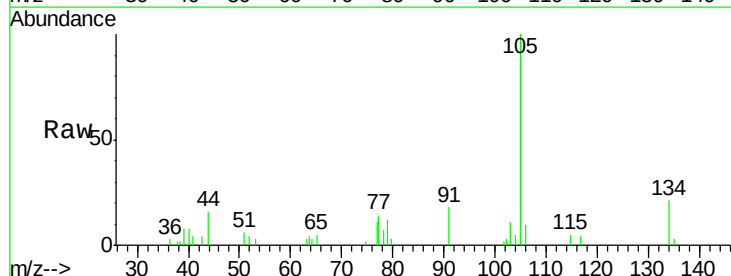
Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-180605

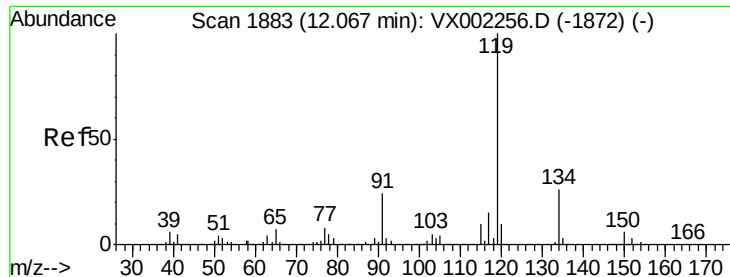
Tgt Ion:105 Resp: 3173
Ion Ratio Lower Upper
105 100
120 44.8 22.3 66.8



#85
sec-Butylbenzene
Concen: 0.29 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

Tgt Ion:105 Resp: 3522
Ion Ratio Lower Upper
105 100
134 23.7 10.4 31.1

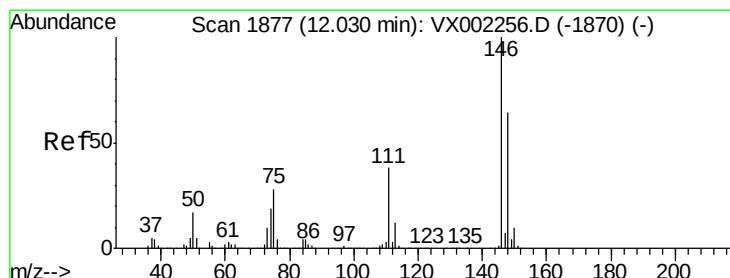
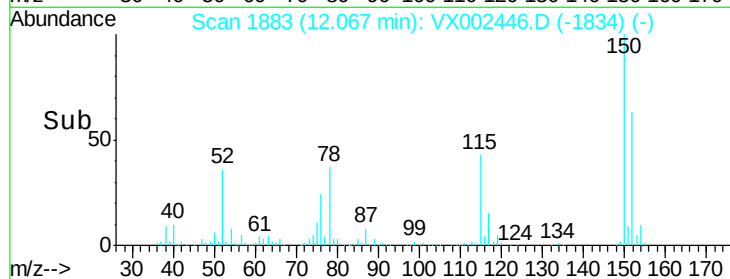
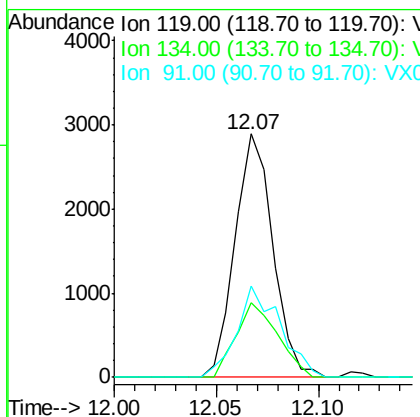
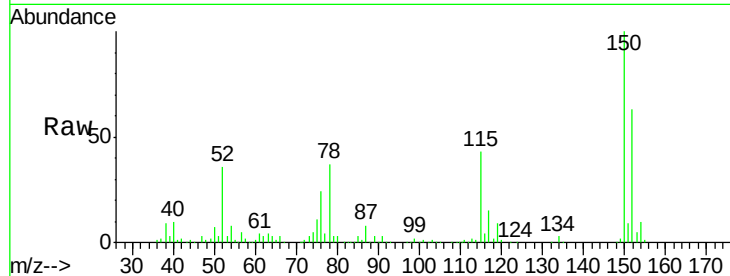




#86
p-Isopropyltoluene
Concen: 0.34 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

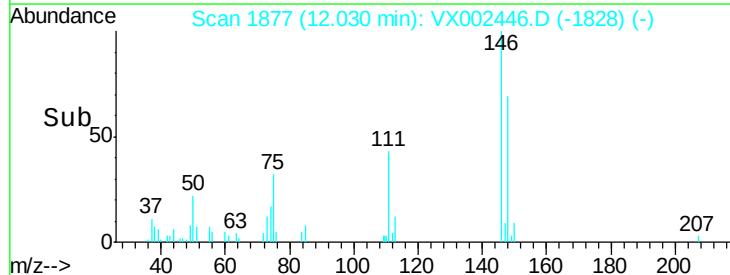
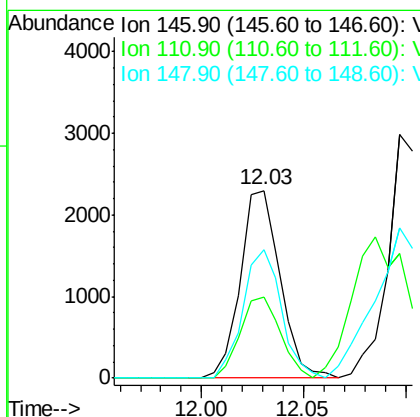
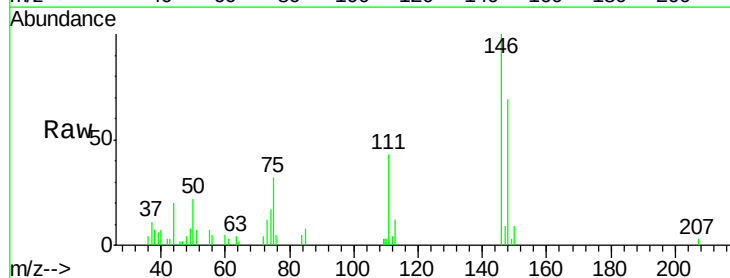
Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-180605

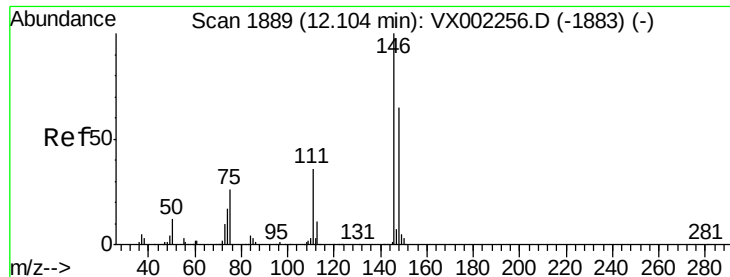
Tgt Ion:119 Resp: 3727
Ion Ratio Lower Upper
119 100
134 33.6 13.4 40.1
91 42.8 11.9 35.7#



#87
1,3-Dichlorobenzene
Concen: 0.50 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

Tgt Ion:146 Resp: 3114
Ion Ratio Lower Upper
146 100
111 43.5 18.9 56.7
148 66.4 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 0.49 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.07 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

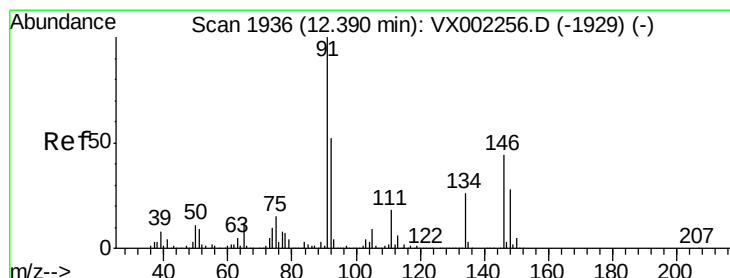
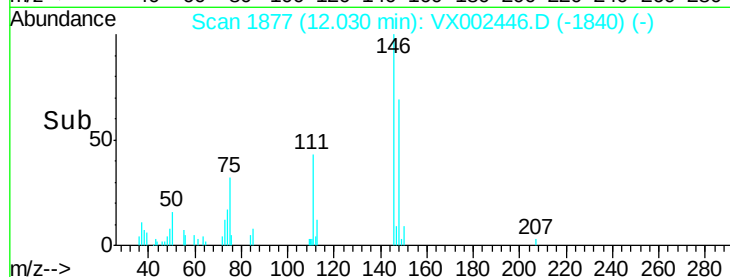
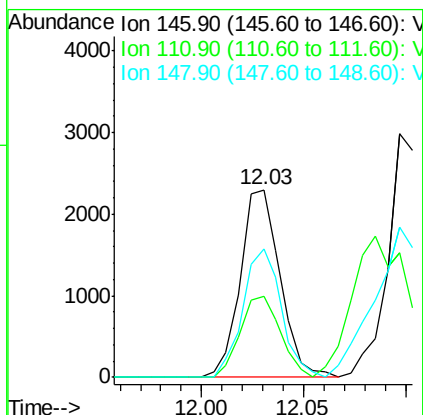
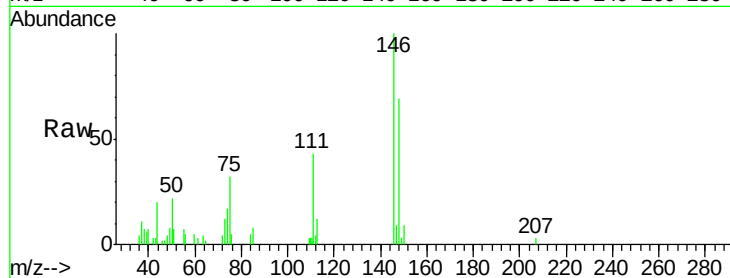
Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-180605

Tgt Ion:	146	Resp:	3114
Ion	Ratio	Lower	Upper
146	100		
111	43.5	18.7	56.1
148	66.4	32.4	97.0



#89

n-Butylbenzene

Concen: 0.46 ug/l

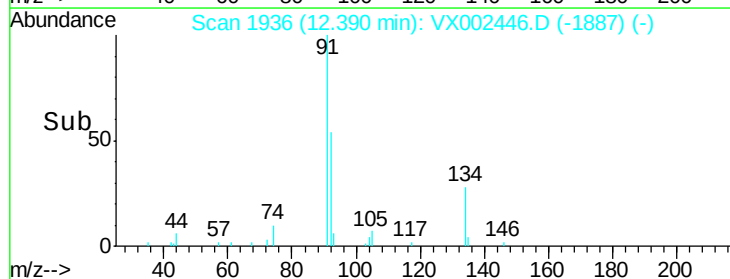
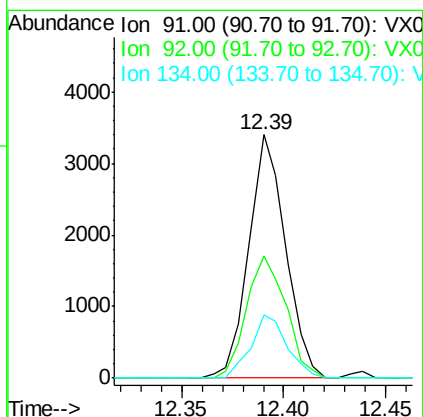
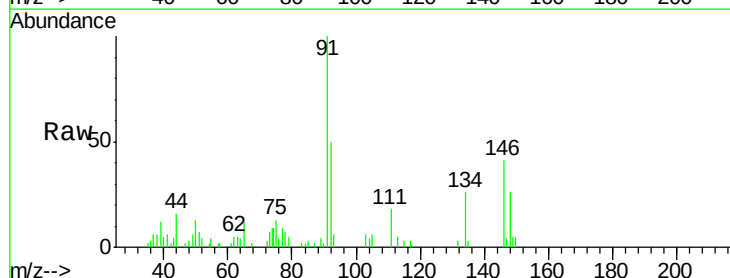
RT: 12.39 min Scan# 1936

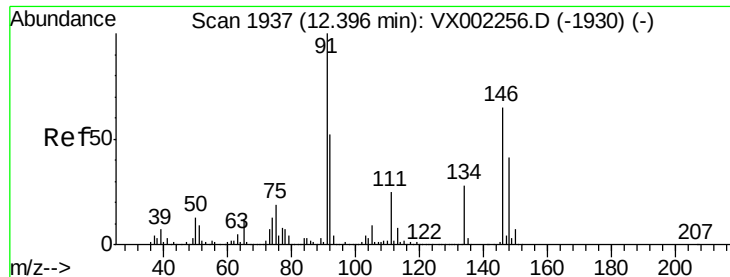
Delta R.T. -0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Tgt Ion:	91	Resp:	4266
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.0	78.0
134	25.3	13.5	40.5

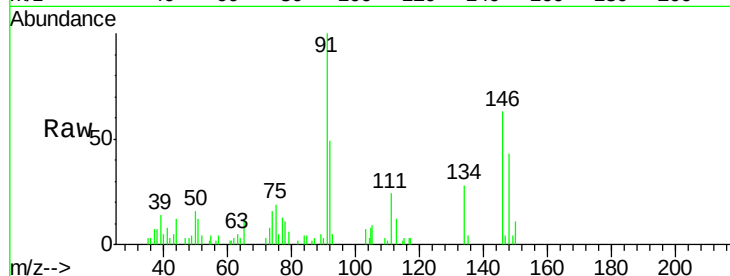




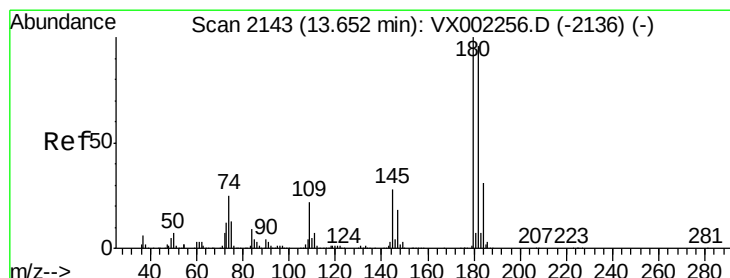
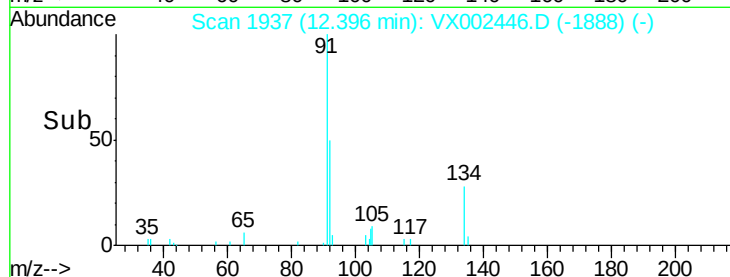
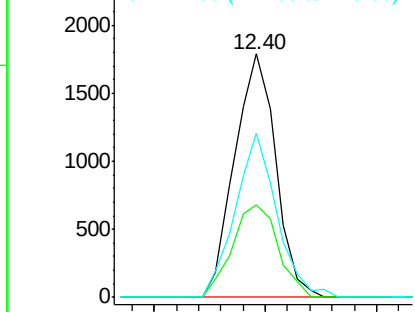
#91
1,2-Dichlorobenzene
Concen: 0.36 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-180605

Tgt Ion:146 Resp: 2307
Ion Ratio Lower Upper
146 100
111 42.3 19.4 58.1
148 68.1 31.7 95.1

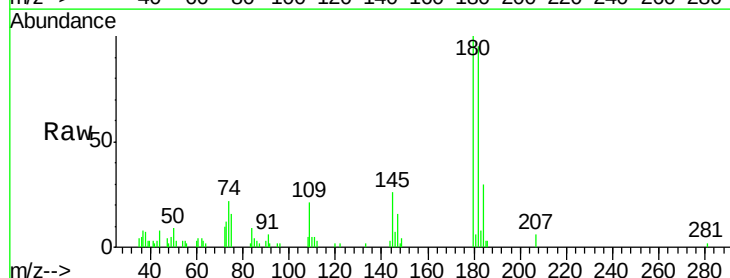


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

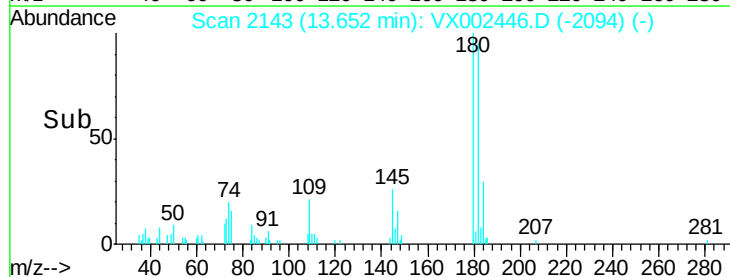
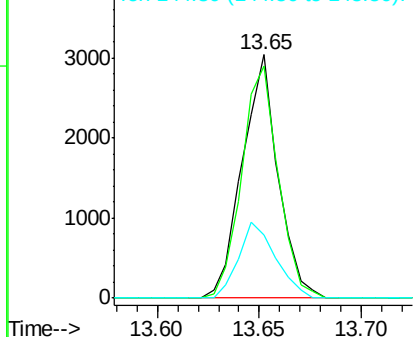


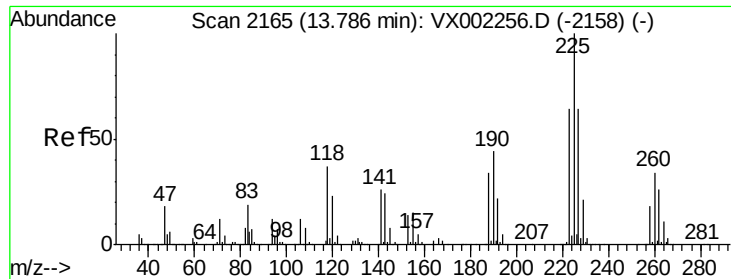
#93
1,2,4-Trichlorobenzene
Concen: 0.82 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VX002446.D
Acq: 11 Jun 2018 16:41

Tgt Ion:180 Resp: 3702
Ion Ratio Lower Upper
180 100
182 97.2 47.7 143.1
145 32.0 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.60 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-180605

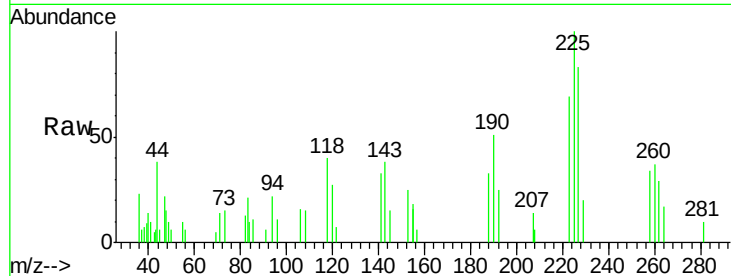
Tgt Ion:225 Resp: 1344

Ion Ratio Lower Upper

225 100

223 68.3 31.6 95.0

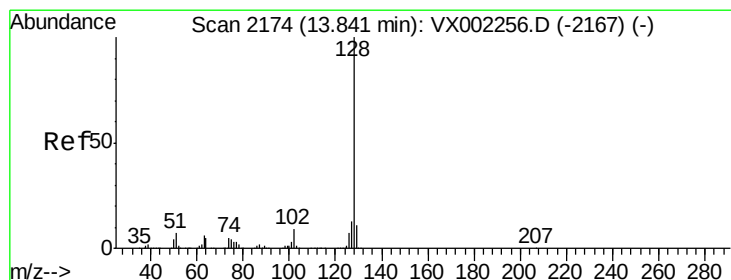
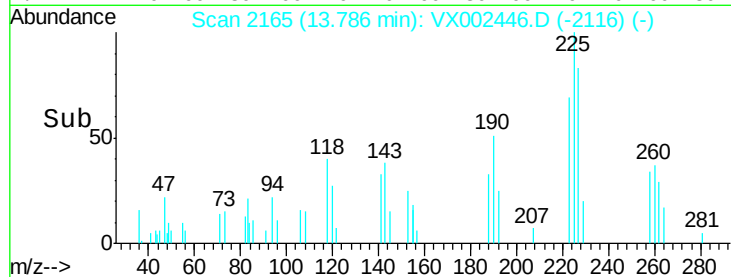
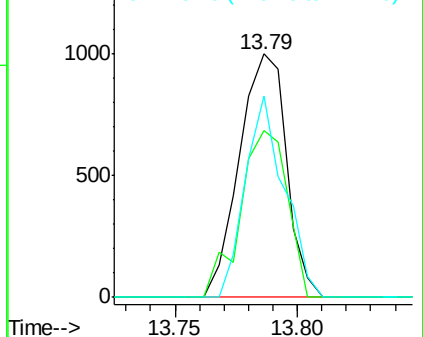
227 68.8 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.37 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002446.D

Acq: 11 Jun 2018 16:41

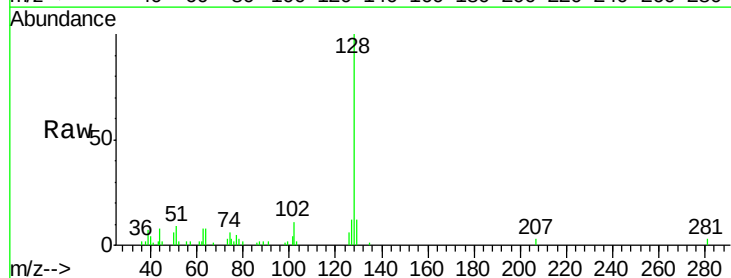
Tgt Ion:128 Resp: 4848

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

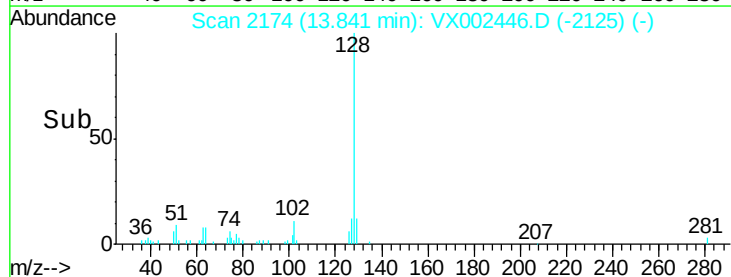
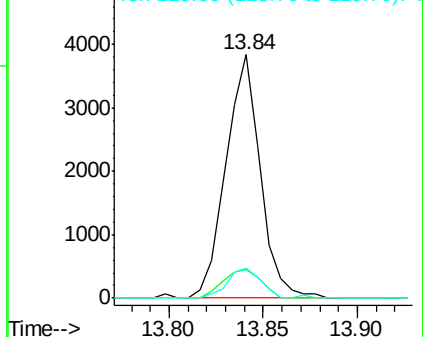
129 11.7 8.6 13.0

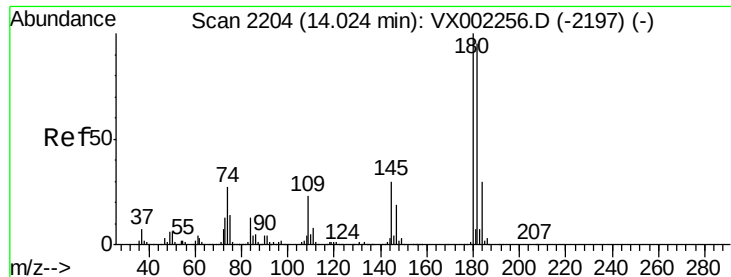


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.70 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX002446.D
 Acq: 11 Jun 2018 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-180605

Tgt Ion:180 Resp: 3202
 Ion Ratio Lower Upper
 180 100
 182 91.8 48.0 144.0
 145 28.6 14.8 44.3

