

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002685.D
 Acq On : 18 Jun 2018 17:54
 Operator : JC/MD
 Sample : VX0618WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 19 05:00:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	42945	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	239911	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	220315	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	99705	30.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.33%
60) 4-Bromofluorobenzene	11.14	95	108199	29.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.13%
63) Toluene-d8	8.72	98	295378	30.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	40066	19.55	ug/l	100
3) Chloromethane	1.32	50	44436	19.97	ug/l	99
4) Vinyl Chloride	1.40	62	49861	20.11	ug/l	99
5) Bromomethane	1.64	94	31490	21.74	ug/l	97
6) Chloroethane	1.73	64	32838	19.69	ug/l	96
7) Trichlorofluoromethane	1.93	101	88479	20.08	ug/l	99
8) Diethyl Ether	2.19	74	32159	20.47	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49811	19.75	ug/l	98
10) 1,1-Dichloroethene	2.37	96	43630	19.65	ug/l	98
11) Methyl Iodide	2.51	142	40513	15.84	ug/l	99
12) Methyl Acetate	2.78	43	80550	22.36	ug/l	98
13) Acrolein	2.30	56	21790	85.06	ug/l	98
14) Acrylonitrile	3.15	53	144652	106.75	ug/l	99
15) Acetone	2.45	58	41663	110.61	ug/l	91
16) Carbon Disulfide	2.57	76	103867	18.68	ug/l	99
17) Allyl chloride	2.73	41	87700	19.85	ug/l	95
18) Methylene Chloride	2.86	84	51607	20.31	ug/l	98
19) trans-1,2-Dichloroethene	3.17	96	47503	19.95	ug/l	98
20) Diisopropyl ether	3.88	45	160815	19.53	ug/l	98
21) 1,1-Dichloroethane	3.70	63	93174	21.05	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	51517	20.13	ug/l #	79
23) tert-Butyl Alcohol	3.08	59	69124	112.35	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	170981	20.63	ug/l	99
25) Chloroform	5.22	83	88563	19.94	ug/l	98
26) Cyclohexane	5.58	56	71902	19.12	ug/l #	94
29) 1,1-Dichloropropene	5.80	75	63542	19.61	ug/l	100
30) 2-Butanone	4.72	43	197601	106.59	ug/l	98
31) 2,2-Dichloropropane	4.59	77	67438	19.48	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	74990	19.16	ug/l	99
33) Carbon Tetrachloride	5.79	117	67346	19.14	ug/l	96
34) Benzene	6.15	78	189440	19.74	ug/l	98
35) Methacrylonitrile	5.07	41	41901	20.76	ug/l	98
36) 1,2-Dichloroethane	6.20	62	75175	19.96	ug/l	99
37) Trichloroethene	7.22	130	54825	19.51	ug/l	89
38) Methylcyclohexane	7.46	83	74903	19.00	ug/l	99
39) 1,2-Dichloropropane	7.53	63	49174	19.65	ug/l	96
40) Dibromomethane	7.67	93	34842	20.04	ug/l	99

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 ClientSampleId :

Quant Time: Jun 19 05:00:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	62123	19.02	ug/l	95
42) Vinyl Acetate	3.83	43	715200	101.72	ug/l	100
43) Ethyl Acetate	4.87	43	74793	21.09	ug/l	100
44) Isopropyl Acetate	6.47	43	119185	20.06	ug/l	99
45) 1,4-Dioxane	7.76	88	26135	449.05	ug/l #	86
46) Methyl methacrylate	7.79	41	61139	20.14	ug/l	97
47) n-amyl Acetate	10.90	43	104403	18.62	ug/l #	90
48) t-1,3-Dichloropropene	8.44	75	71969	18.77	ug/l	97
49) cis-1,3-Dichloropropene	9.05	75	65255	18.22	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	51863	20.22	ug/l	98
51) Ethyl methacrylate	9.19	69	74748	19.31	ug/l	95
52) 1,3-Dichloropropane	9.38	76	83488	19.93	ug/l	100
53) Dibromochloromethane	9.59	129	49582	18.21	ug/l	100
54) 1,2-Dibromoethane	9.68	107	52967	19.60	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	185754	101.01	ug/l	99
56) Bromoform	10.86	173	37291	17.16	ug/l	97
58) 4-Methyl-2-Pentanone	8.65	43	400099	106.96	ug/l	98
59) 2-Hexanone	9.50	43	305144	106.71	ug/l	100
61) Tetrachloroethene	9.34	164	60023	19.85	ug/l	96
62) Toluene	8.79	91	215047	20.25	ug/l	97
64) Chlorobenzene	10.14	112	140778	19.95	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	51147	19.78	ug/l	100
66) Ethyl Benzene	10.26	91	236841	19.80	ug/l	100
67) m/p-Xylenes	10.36	106	182083	39.18	ug/l	99
68) o-Xylene	10.70	106	89180	19.69	ug/l	98
69) Styrene	10.71	104	148017	19.59	ug/l	98
70) Isopropylbenzene	11.02	105	247139	19.79	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	75948	20.35	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	88288	27.29	ug/l	93
73) Bromobenzene	11.26	156	67291	19.38	ug/l	94
74) n-propylbenzene	11.37	91	281258	19.40	ug/l	99
75) 2-Chlorotoluene	11.43	91	166380	19.72	ug/l	97
76) 1,3,5-Trimethylbenzene	11.51	105	206671	19.49	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	18092	17.38	ug/l	77
78) 4-Chlorotoluene	11.51	91	193883	19.40	ug/l	98
79) tert-butylbenzene	12.07	119	226662	19.38	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	209757	19.37	ug/l	98
81) sec-Butylbenzene	11.95	105	252782	19.49	ug/l	99
82) p-Isopropyltoluene	12.07	119	226662	19.38	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	124348	19.46	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	124197	19.24	ug/l	99
85) n-Butylbenzene	12.39	91	193723	18.69	ug/l	98
86) Hexachloroethane	12.60	117	31982	18.04	ug/l	98
87) 1,2-Dichlorobenzene	12.40	146	126629	19.62	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	15707	18.84	ug/l	91
89) 1,2,4-Trichlorobenzene	13.65	180	93343	19.16	ug/l	99
90) Hexachlorobutadiene	13.79	225	48750	19.22	ug/l	98
91) Naphthalene	13.84	128	257158	19.92	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	95245	19.65	ug/l	100

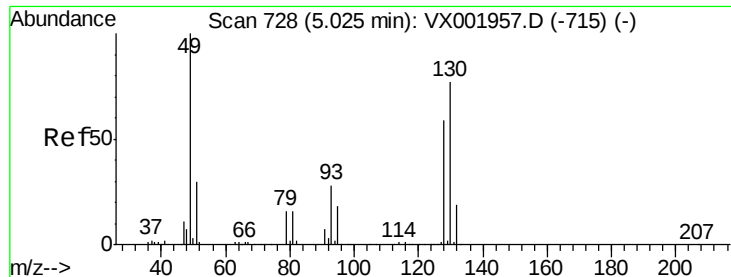
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :

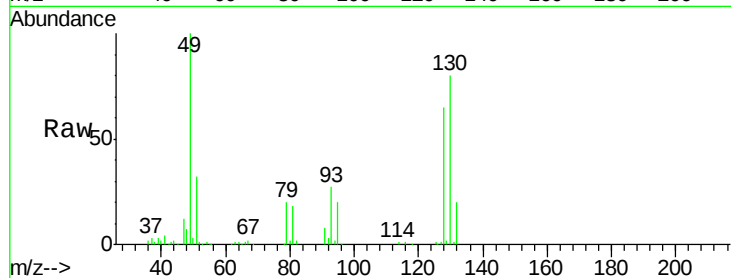
Tot Ion:128 Resp: 42945

Ion Ratio Lower Upper

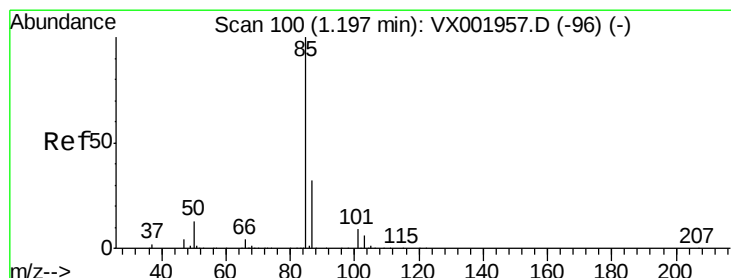
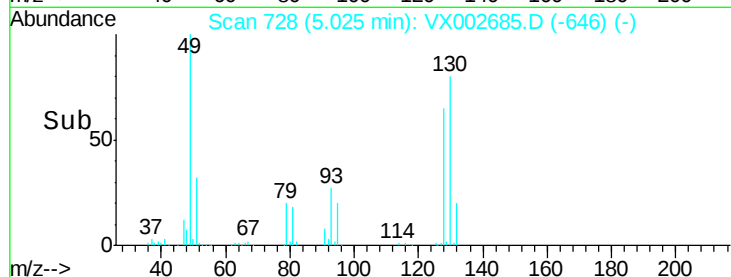
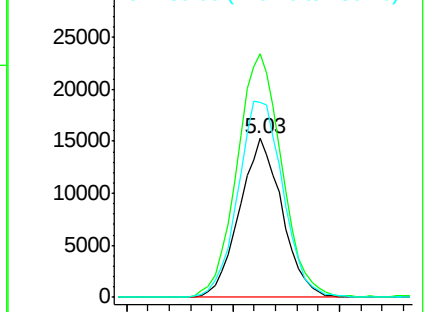
128 100

49 160.6 0.0 423.0

130 130.5 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.55 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002685.D

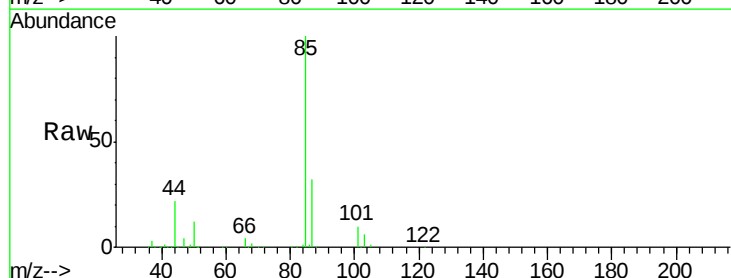
Acq: 18 Jun 2018 17:54

Tgt Ion: 85 Resp: 40066

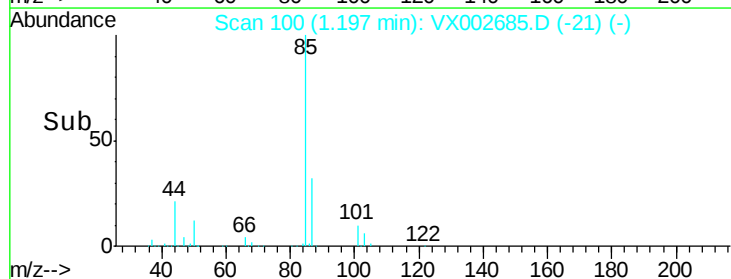
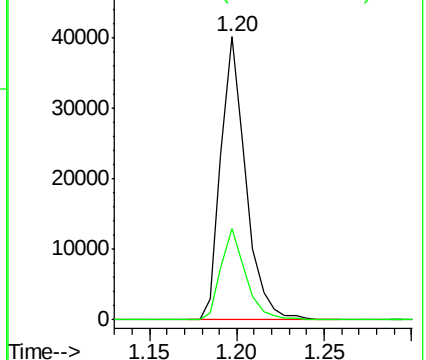
Ion Ratio Lower Upper

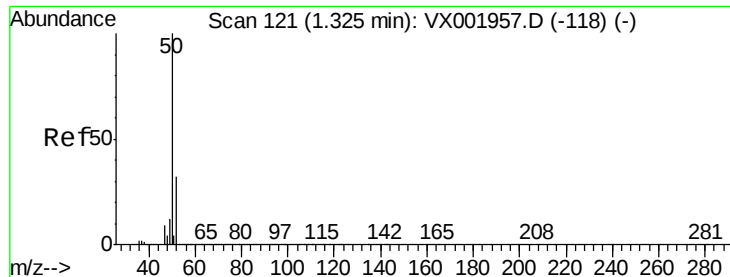
85 100

87 32.1 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.97 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

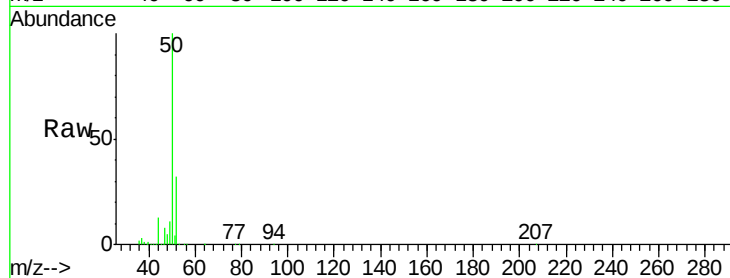
ClientSampleId :

Tot Ion: 50 Resp: 44436

Ion Ratio Lower Upper

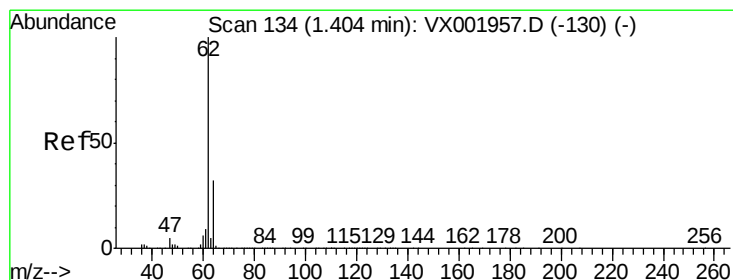
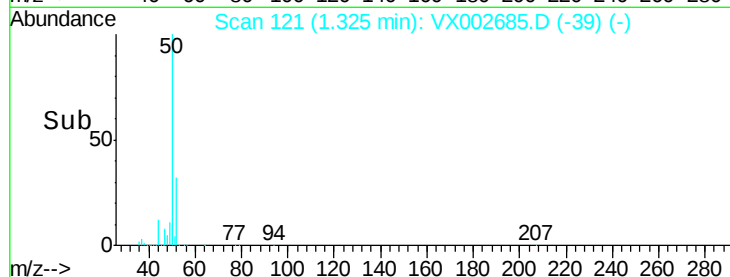
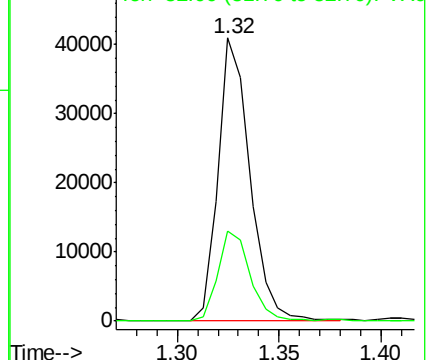
50 100

52 31.6 25.6 38.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 20.11 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002685.D

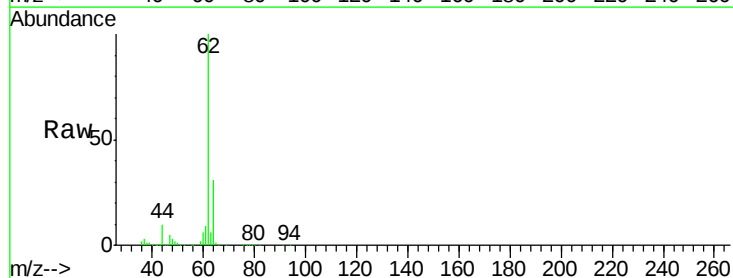
Acq: 18 Jun 2018 17:54

Tgt Ion: 62 Resp: 49861

Ion Ratio Lower Upper

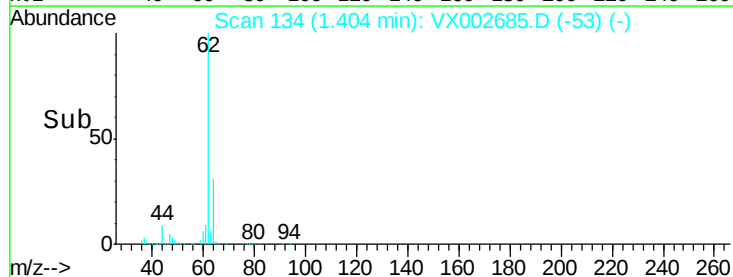
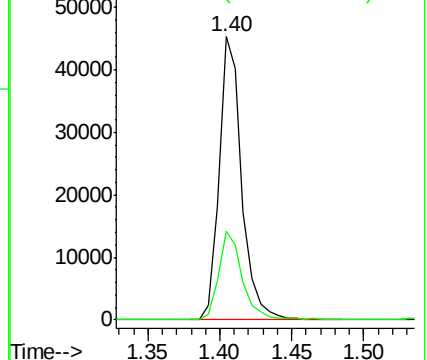
62 100

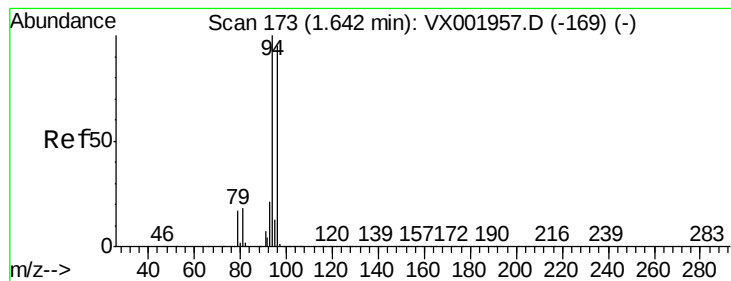
64 31.2 25.3 37.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 21.74 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

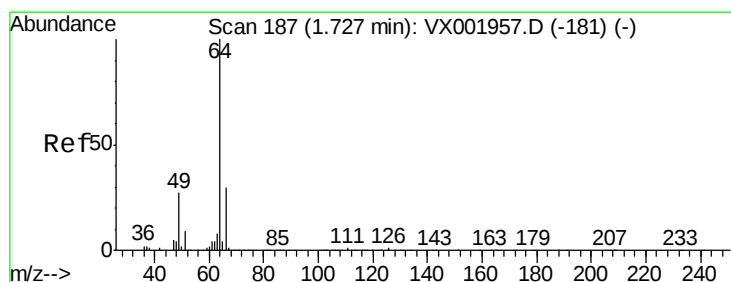
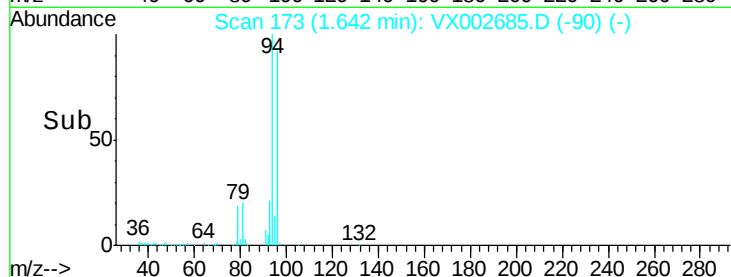
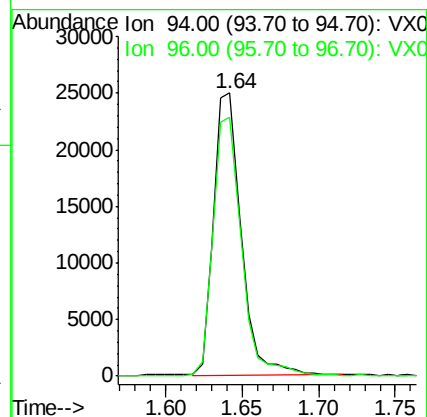
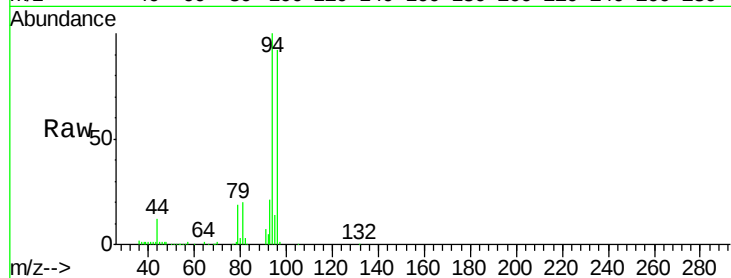
ClientSampled :

Tot Ion: 94 Resp: 31490

Ion Ratio Lower Upper

94 100

96 91.7 75.7 113.5



#6

Chloroethane

Concen: 19.69 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.02 min

Lab File: VX002685.D

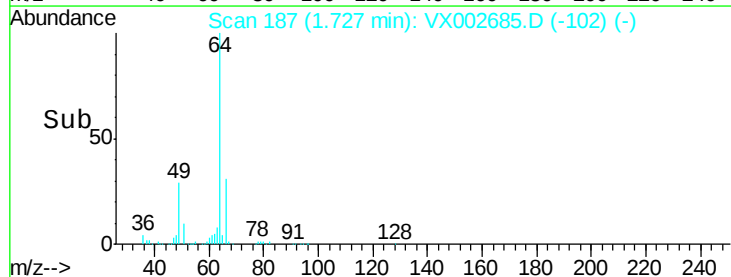
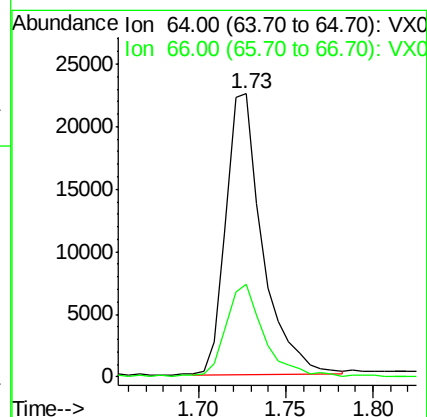
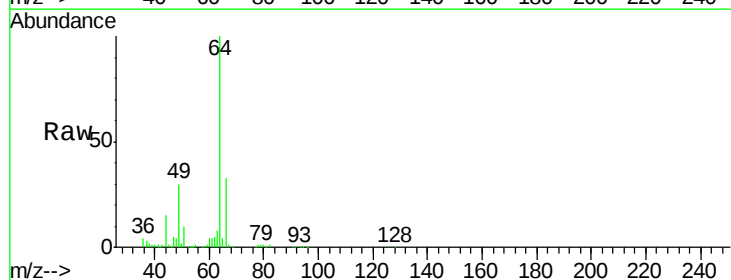
Acq: 18 Jun 2018 17:54

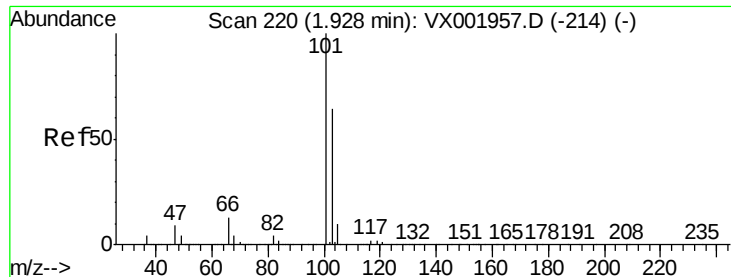
Tgt Ion: 64 Resp: 32838

Ion Ratio Lower Upper

64 100

66 32.8 24.3 36.5



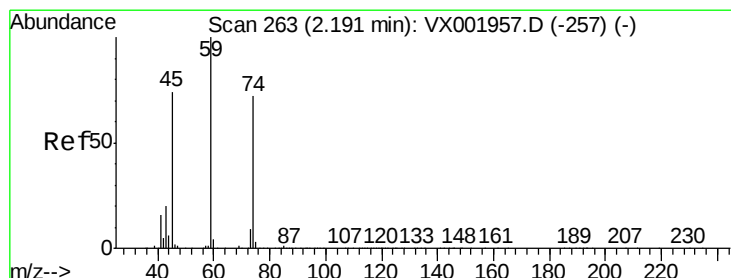
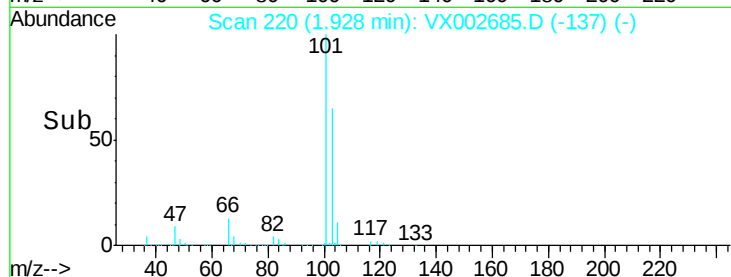
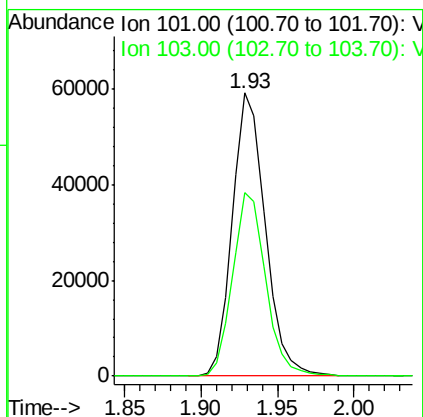
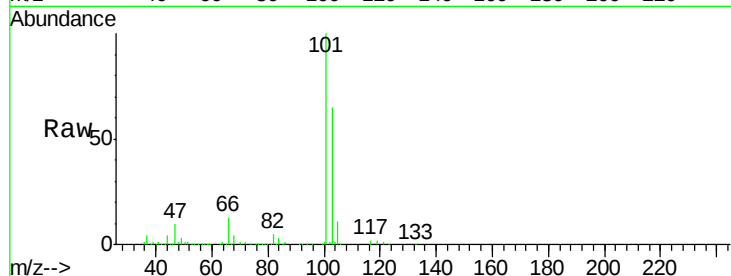


#7

Trichlorofluoromethane
Concen: 20.08 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :

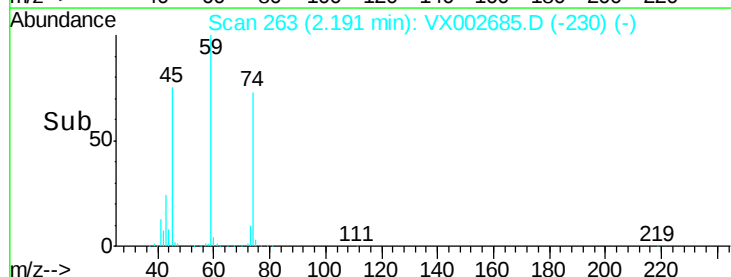
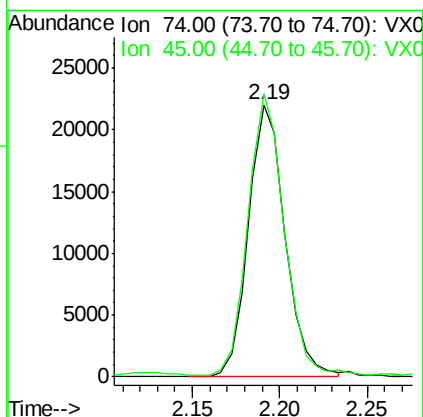
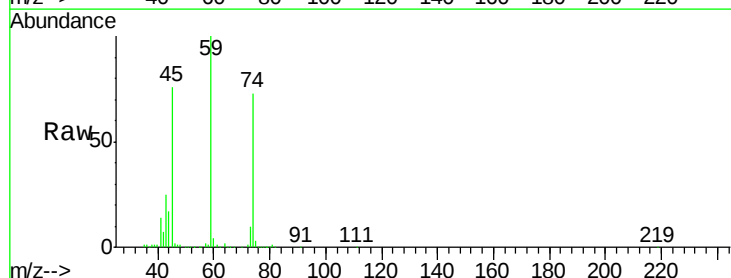
Tot Ion:101 Resp: 88479
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3

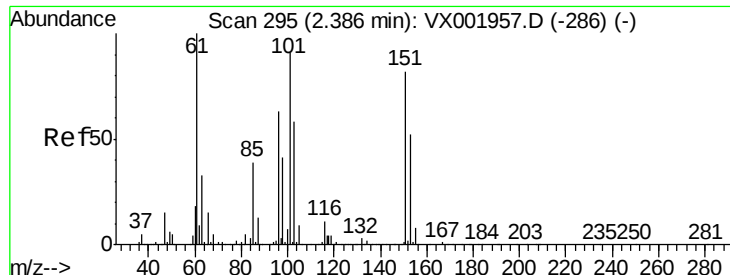


#8

Diethyl Ether
Concen: 20.47 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Tgt Ion: 74 Resp: 32159
Ion Ratio Lower Upper
74 100
45 101.7 20.5 184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.75 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

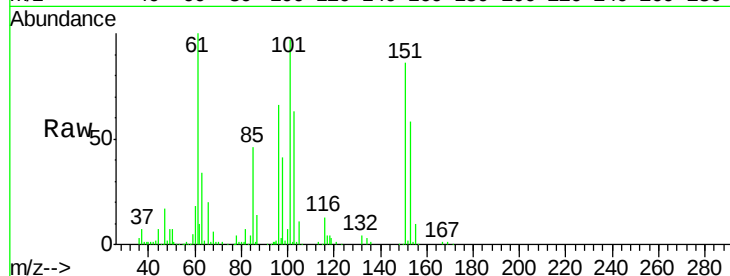
Tot Ion:101 Resp: 49811

Ion Ratio Lower Upper

101 100

85 46.8 0.0 87.0

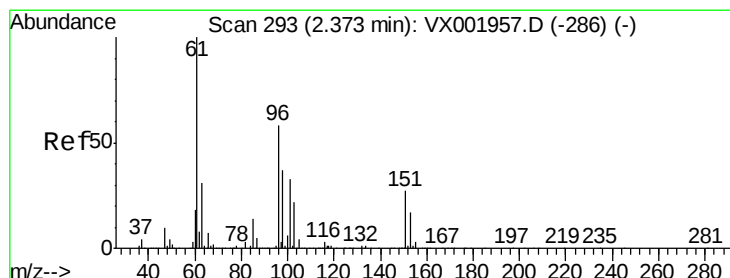
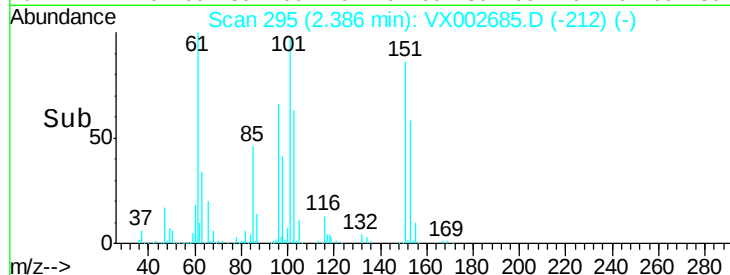
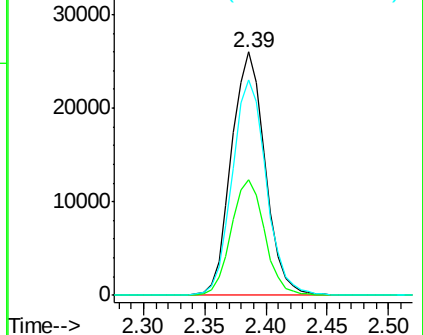
151 89.1 0.0 177.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.65 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.01 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

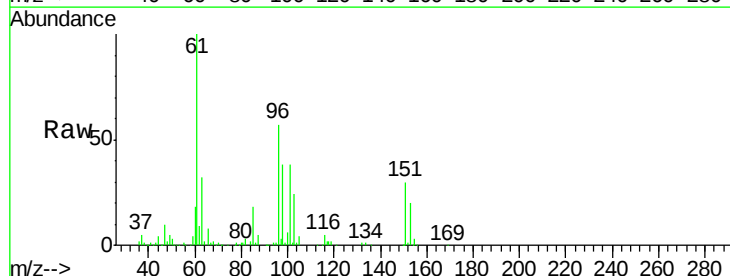
Tgt Ion: 96 Resp: 43630

Ion Ratio Lower Upper

96 100

61 174.4 137.5 206.3

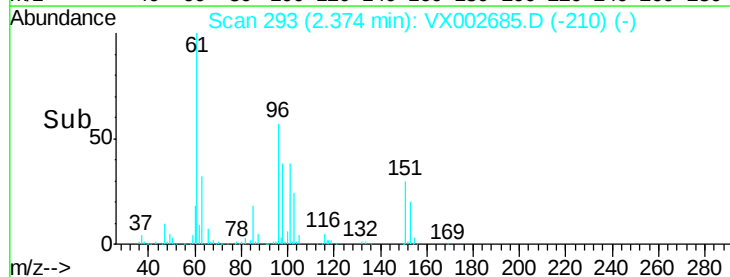
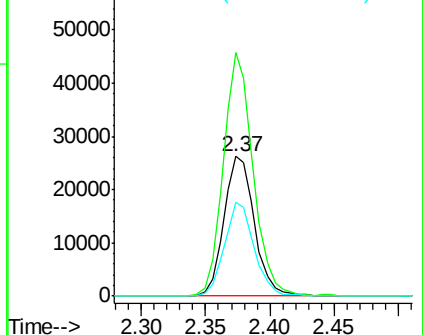
98 66.9 51.4 77.2

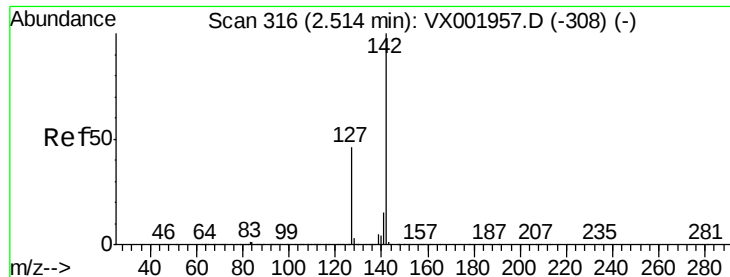


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

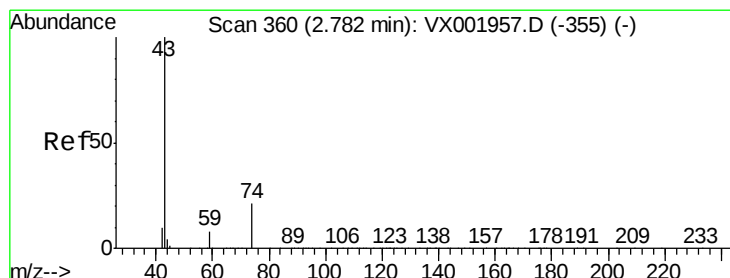
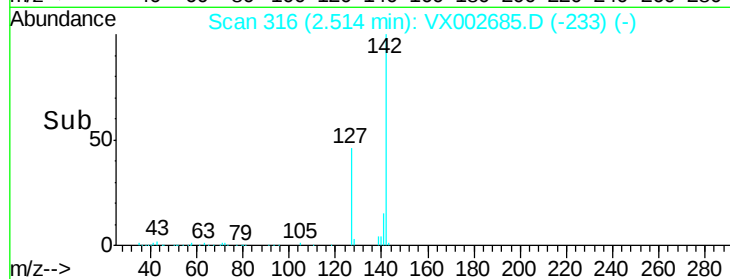
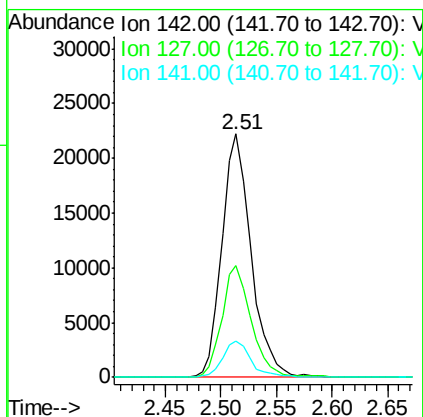
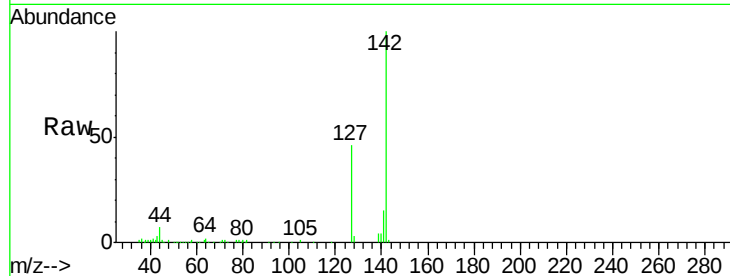




#11
Methvl Iodide
Concen: 15.84 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

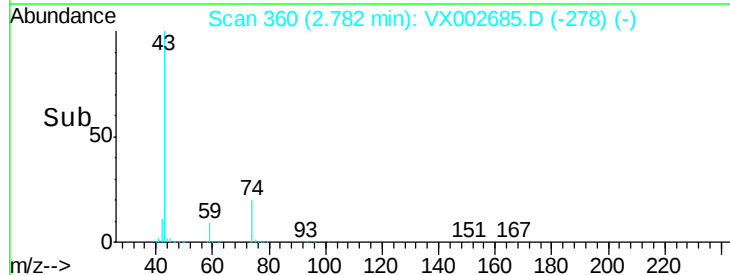
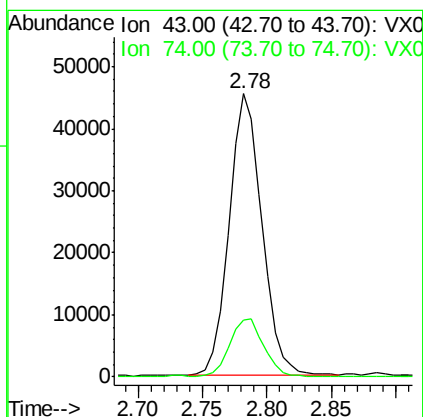
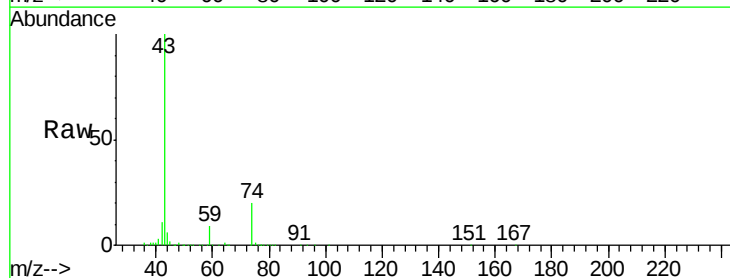
Instrument :
MSVOA_X
ClientSampleId :

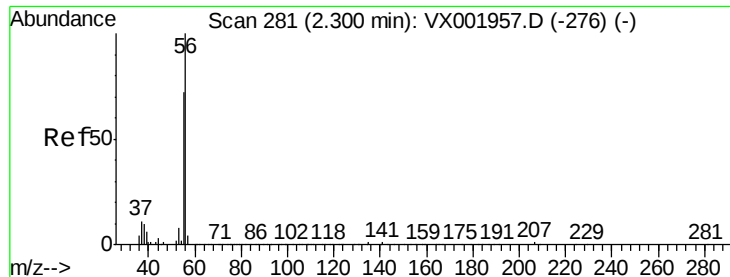
Tot Ion:142 Resp: 40513
Ion Ratio Lower Upper
142 100
127 45.9 23.2 69.6
141 14.9 7.4 22.2



#12
Methyl Acetate
Concen: 22.36 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Tgt Ion: 43 Resp: 80550
Ion Ratio Lower Upper
43 100
74 19.7 16.4 24.6





#13

Acrolein

Concen: 85.06 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

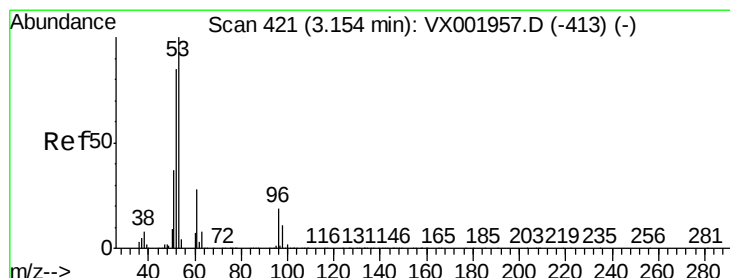
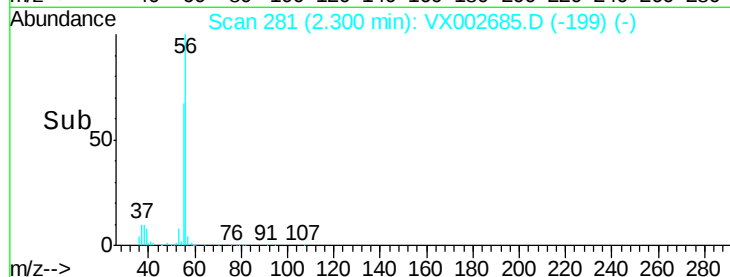
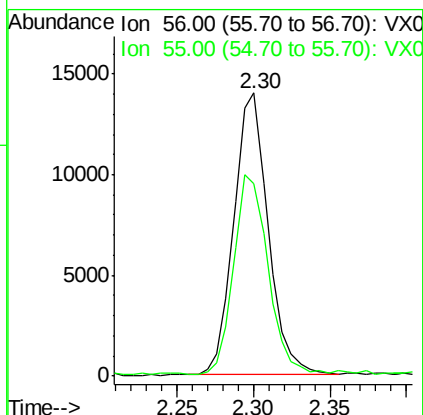
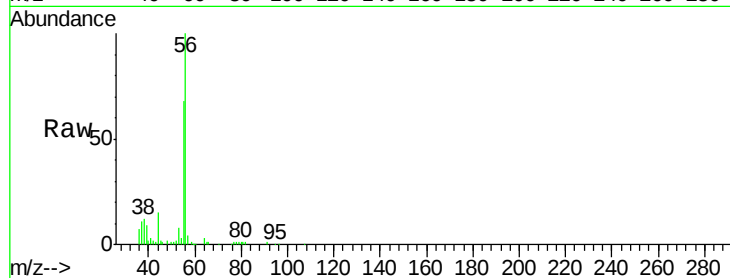
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 21790

Ion Ratio Lower Upper

56 100

55 70.3 57.3 85.9



#14

Acrylonitrile

Concen: 106.75 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

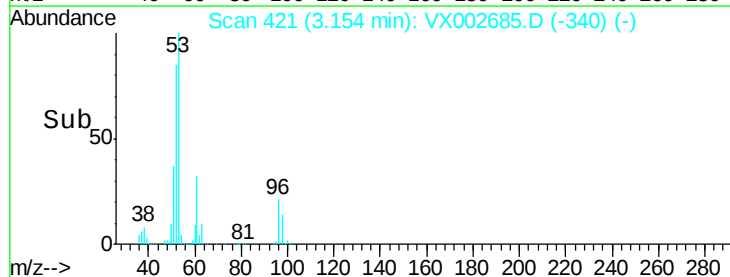
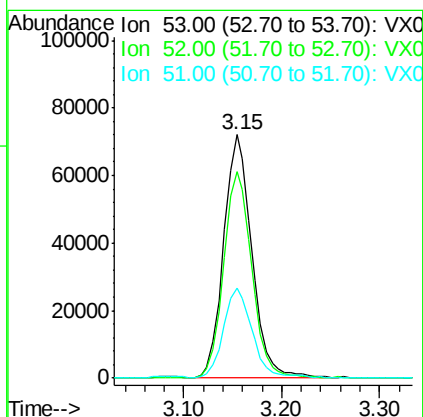
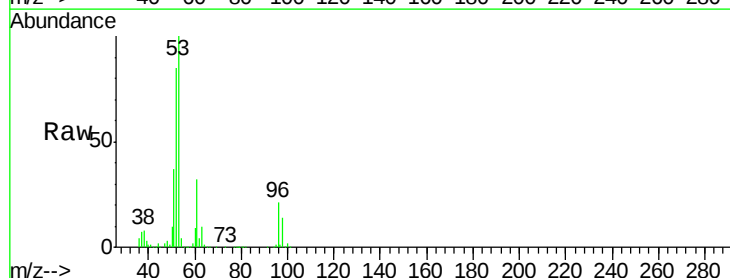
Tgt Ion: 53 Resp: 144652

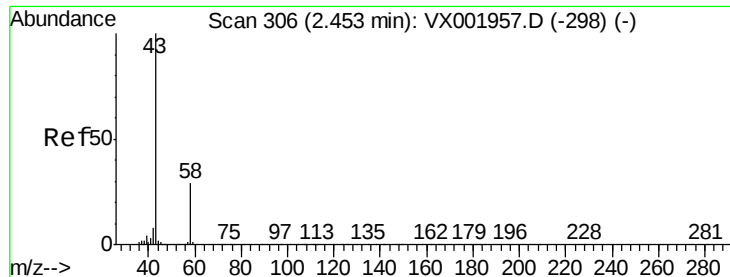
Ion Ratio Lower Upper

53 100

52 84.4 41.5 124.6

51 36.8 17.9 53.8





#15

Acetone

Concen: 110.61 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.01 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

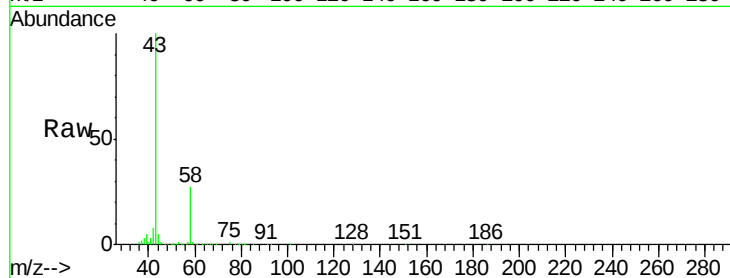
ClientSampleId :

Tot Ion: 58 Resp: 41663

Ion Ratio Lower Upper

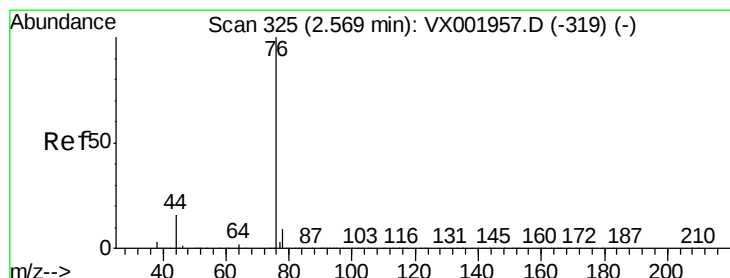
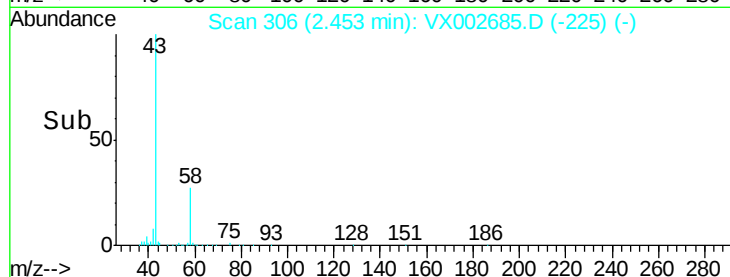
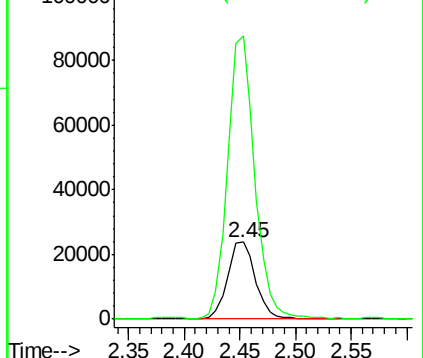
58 100

43 367.2 278.8 418.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 18.68 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX002685.D

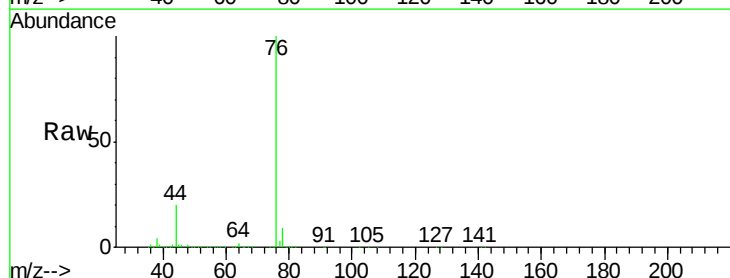
Acq: 18 Jun 2018 17:54

Tgt Ion: 76 Resp: 103867

Ion Ratio Lower Upper

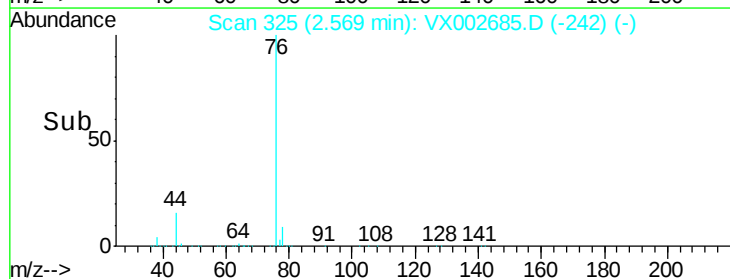
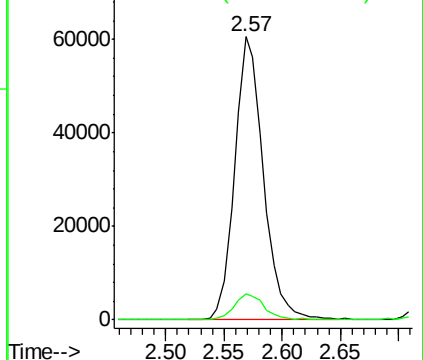
76 100

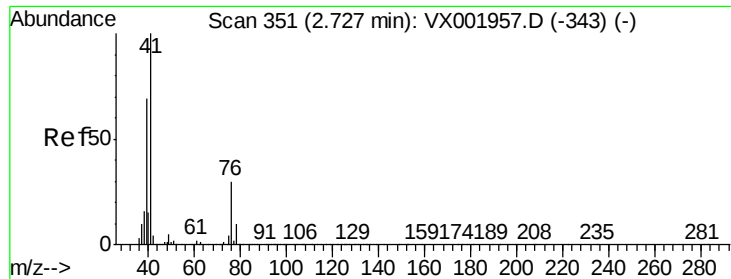
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

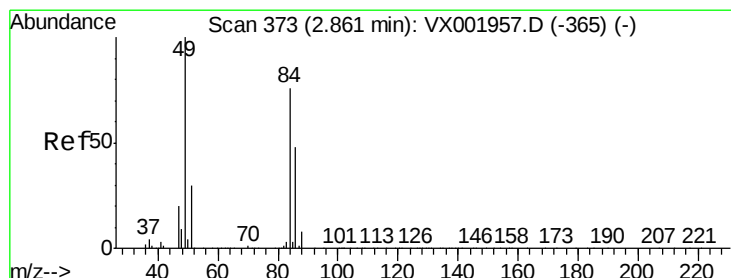
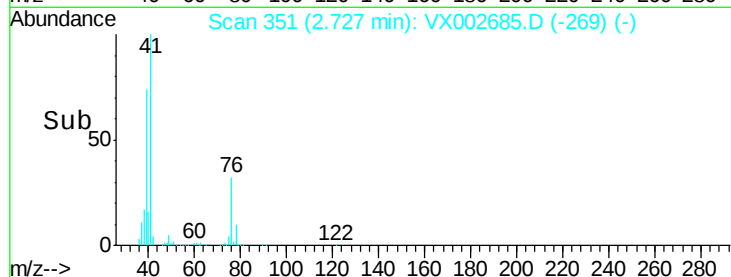
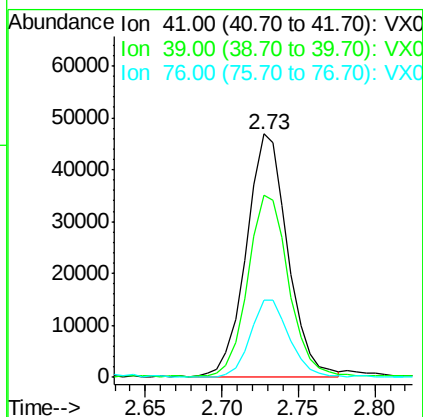
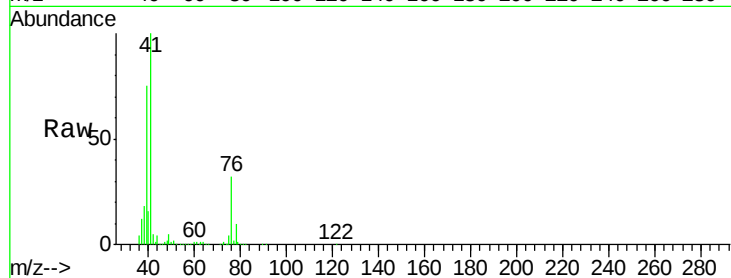




#17
Allvl chloride
Concen: 19.85 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

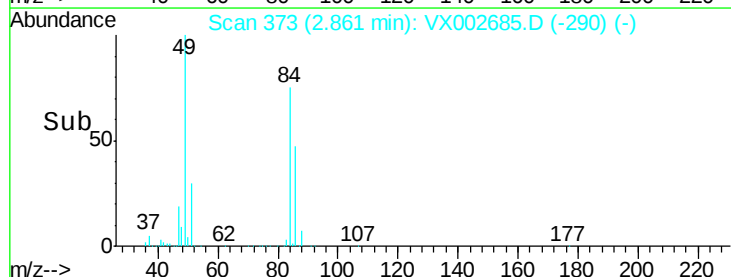
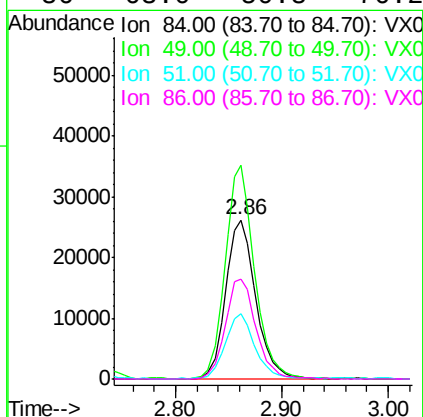
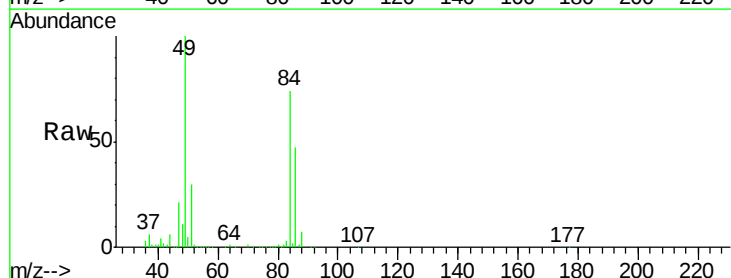
Instrument :
MSVOA_X
ClientSampleId :

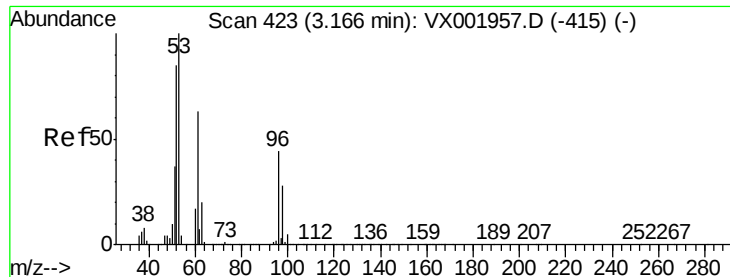
Tot Ion: 41 Resp: 87700
Ion Ratio Lower Upper
41 100
39 74.5 34.6 103.8
76 31.6 15.0 45.1



#18
Methylene Chloride
Concen: 20.31 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Tgt Ion: 84 Resp: 51607
Ion Ratio Lower Upper
84 100
49 134.1 104.7 157.1
51 40.6 31.0 46.4
86 63.0 50.8 76.2





#19

trans-1,2-Dichloroethene

Concen: 19.95 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :

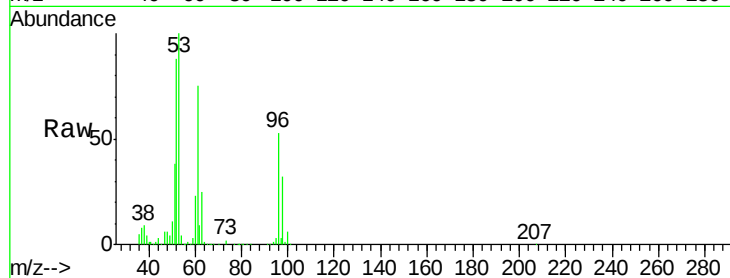
Tot Ion: 96 Resp: 47503

Ion Ratio Lower Upper

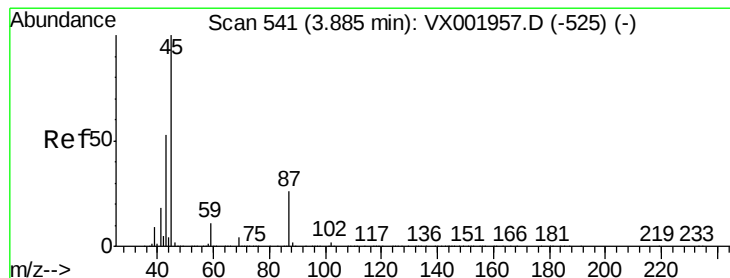
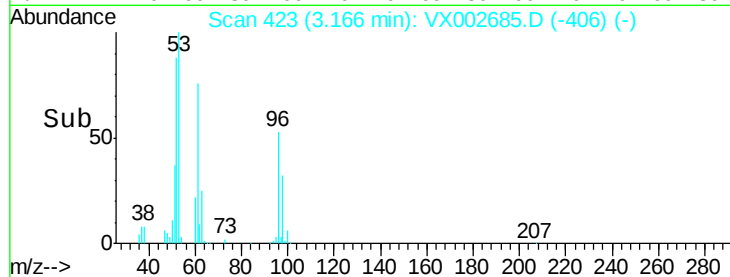
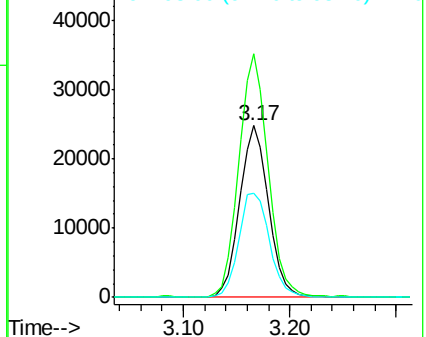
96 100

61 141.9 114.6 172.0

98 60.6 51.3 76.9



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 19.53 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Tgt Ion: 45 Resp: 160815

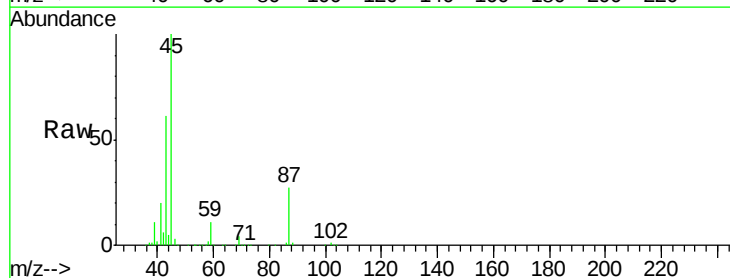
Ion Ratio Lower Upper

45 100

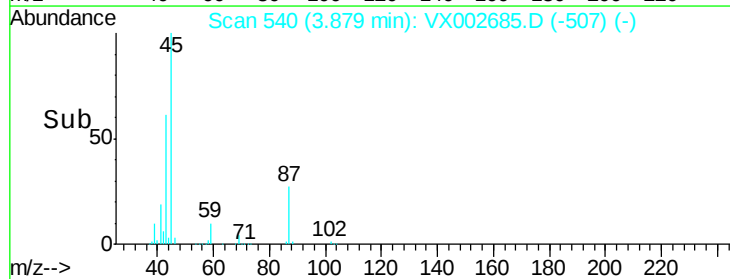
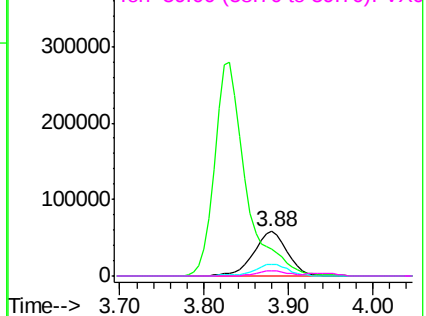
43 58.9 45.6 68.4

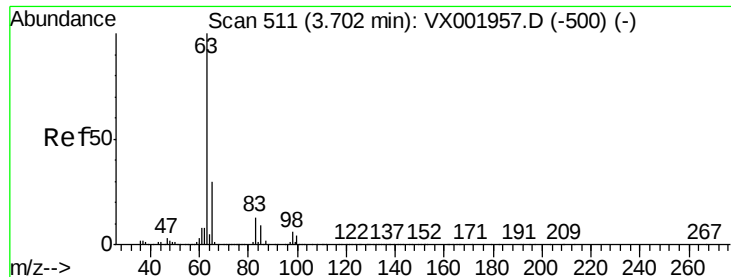
87 27.2 20.7 31.1

59 10.6 8.9 13.3



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





#21

1,1-Dichloroethane

Concen: 21.05 ug/l

RT: 3.70 min Scan# 511

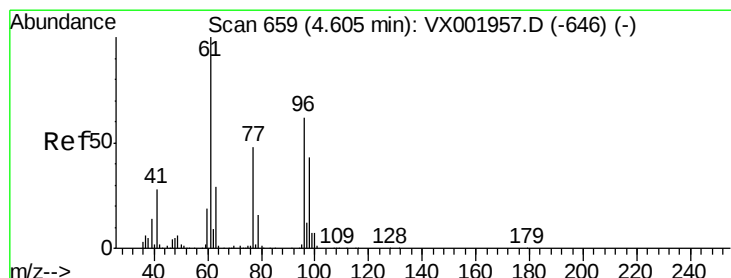
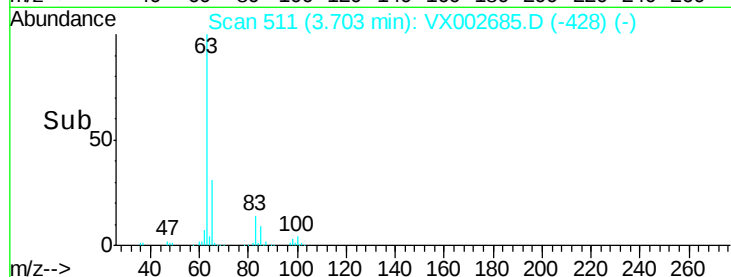
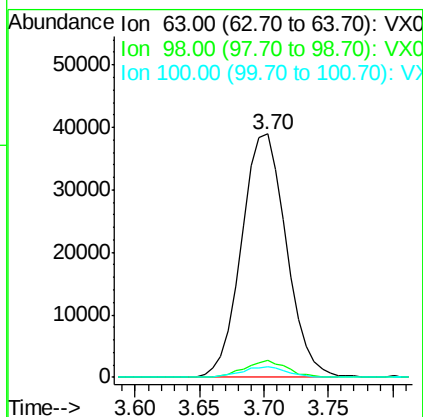
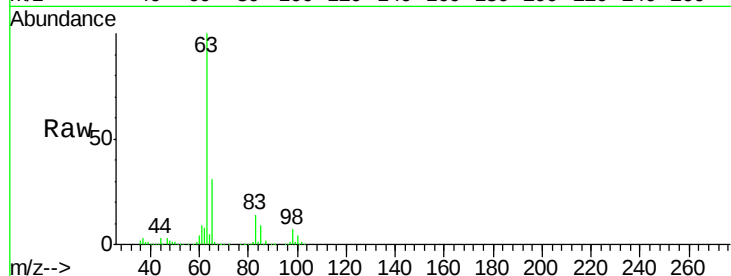
Delta R.T. 0.01 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	63	Resp:	93174
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.1	9.3
100	4.4	2.2	6.6



#22

cis-1,2-Dichloroethene

Concen: 20.13 ug/l

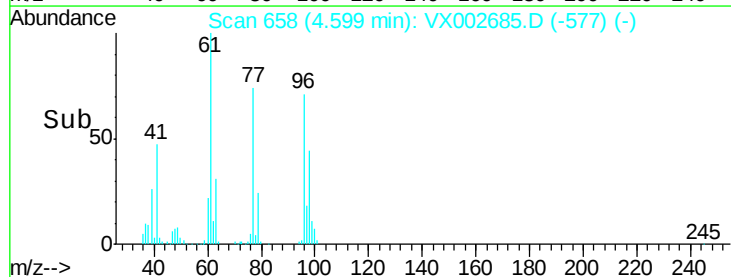
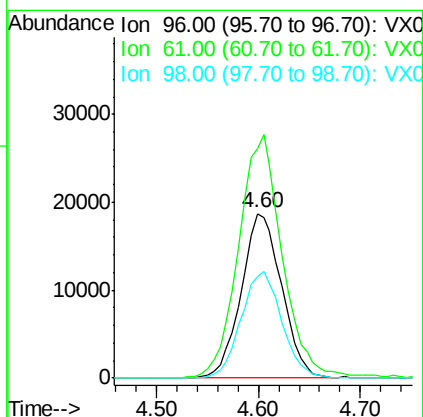
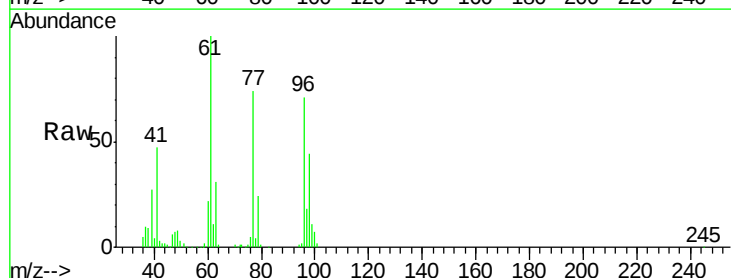
RT: 4.60 min Scan# 658

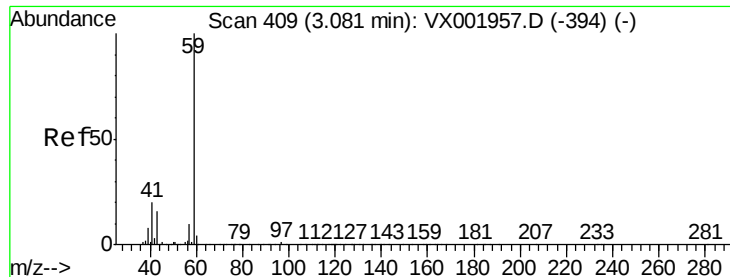
Delta R.T. -0.01 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Tgt Ion:	96	Resp:	51517
Ion	Ratio	Lower	Upper
96	100		
61	159.8	160.2	240.2#
98	65.2	54.1	81.1





#23

tert-Butyl Alcohol

Concen: 112.35 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.02 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

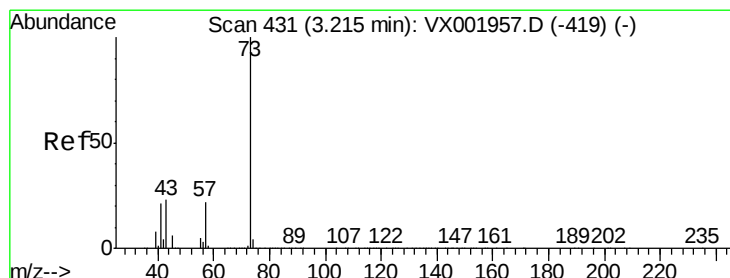
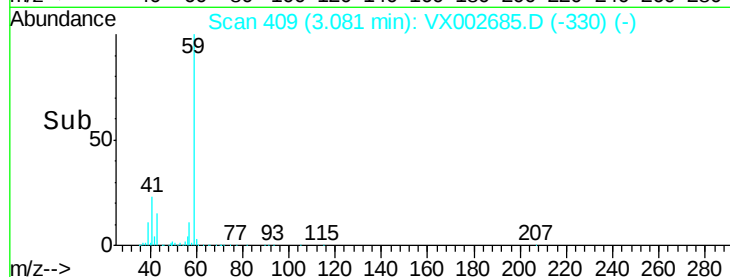
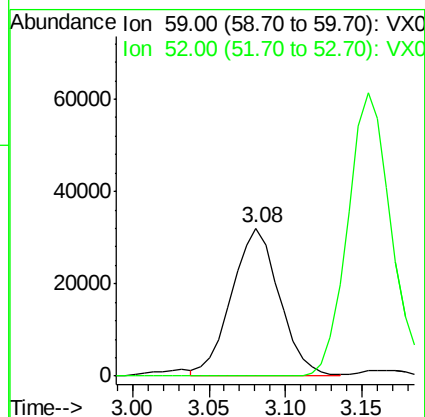
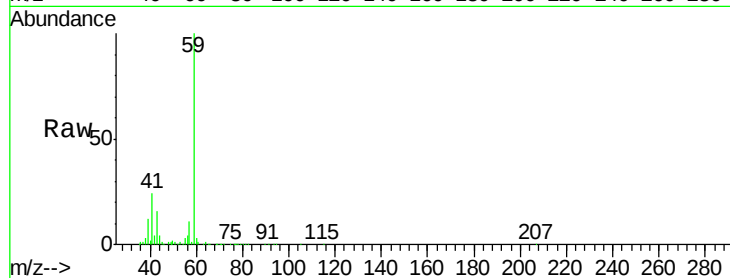
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 59 Resp: 69124

Ion Ratio Lower Upper

59 100

52 0.2 0.2 0.2#



#24

Methyl tert-Butyl Ether

Concen: 20.63 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.01 min

Lab File: VX002685.D

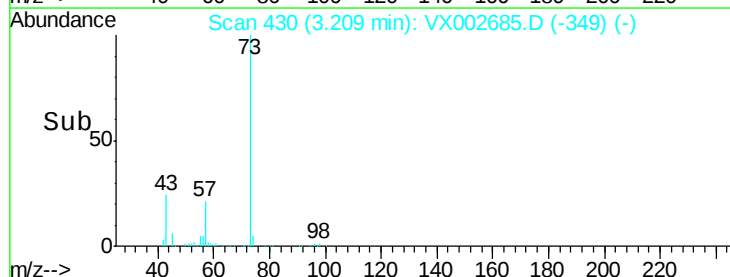
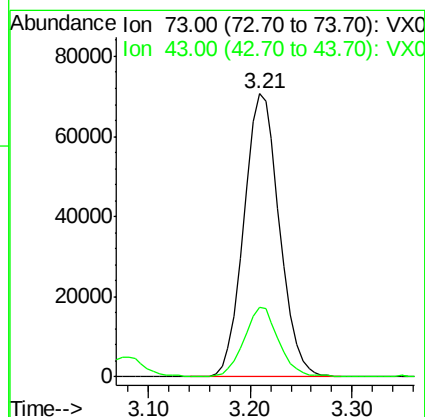
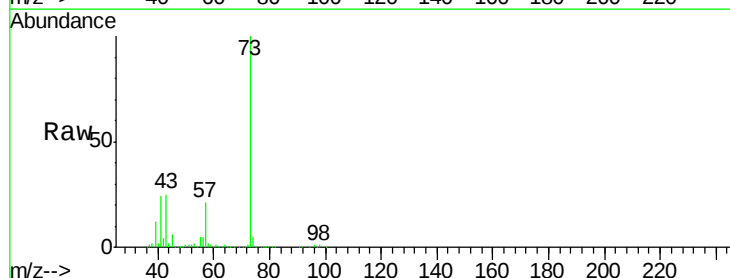
Acq: 18 Jun 2018 17:54

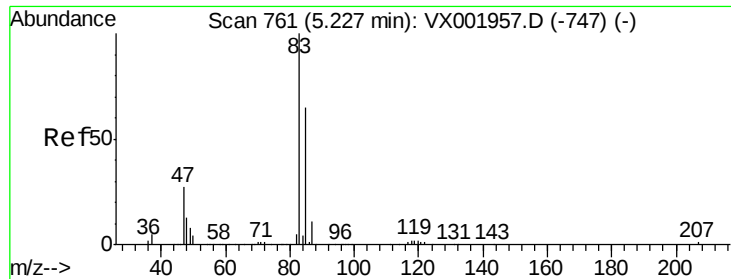
Tgt Ion: 73 Resp: 170981

Ion Ratio Lower Upper

73 100

43 23.4 19.0 28.4





#25

Chloroform

Concen: 19.94 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

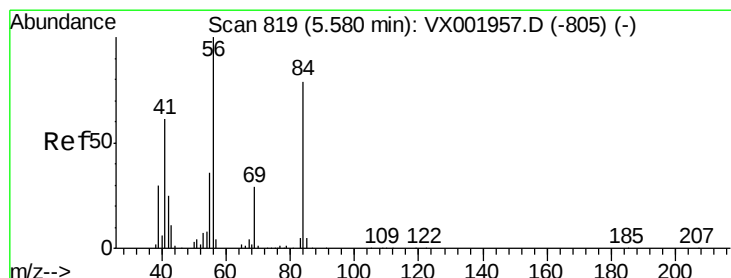
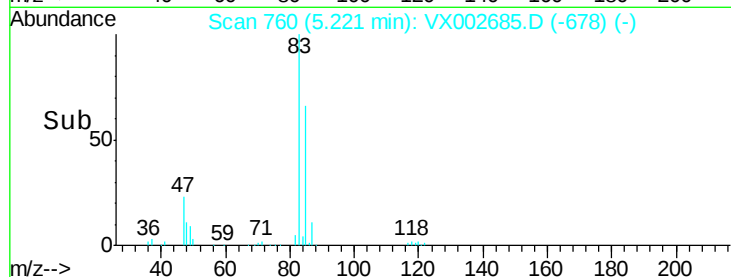
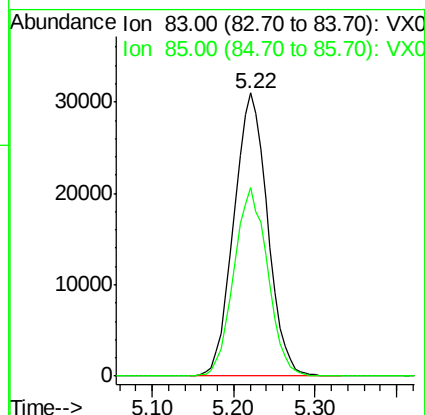
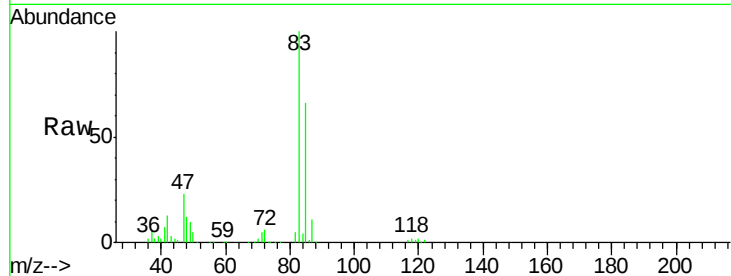
ClientSampleId :

Tot Ion: 83 Resp: 88563

Ion Ratio Lower Upper

83 100

85 66.5 51.9 77.9



#26

Cyclohexane

Concen: 19.12 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

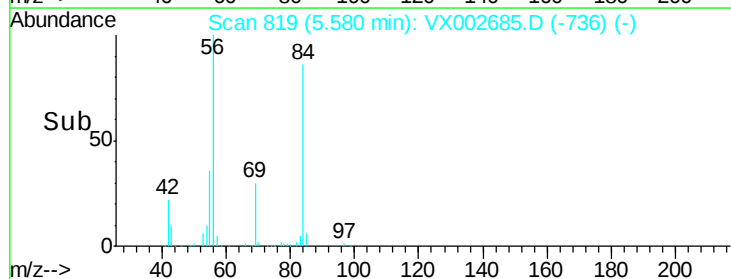
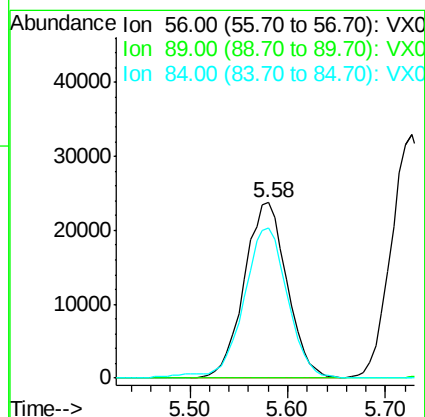
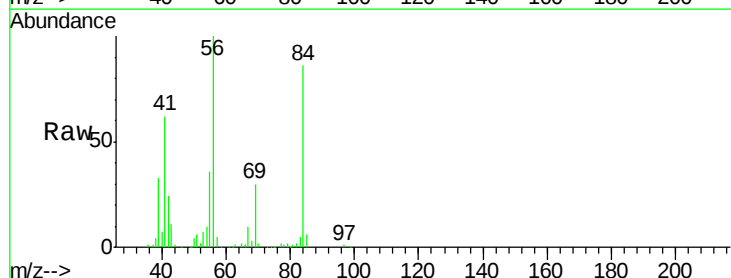
Tgt Ion: 56 Resp: 71902

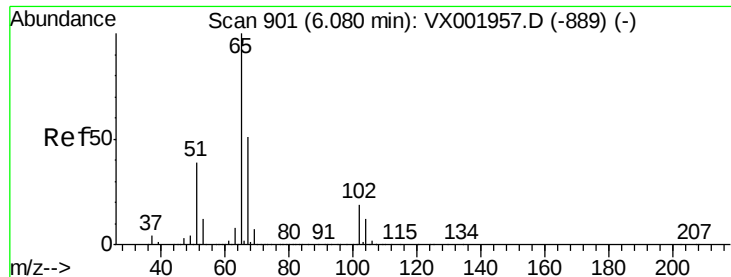
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 86.3 64.9 97.3





#27

1,2-Dichloroethane-d4

Concen: 30.40 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

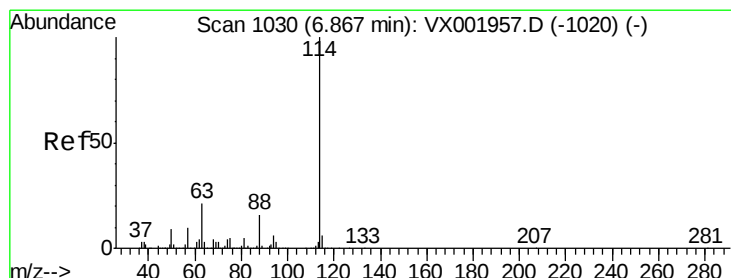
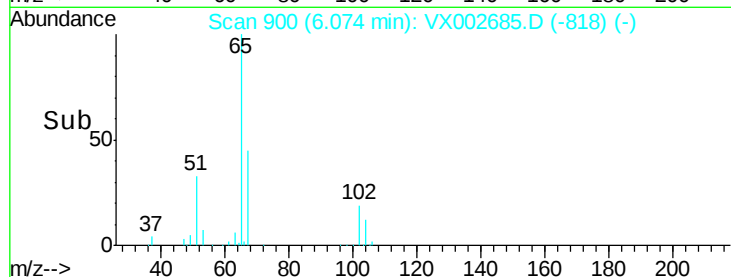
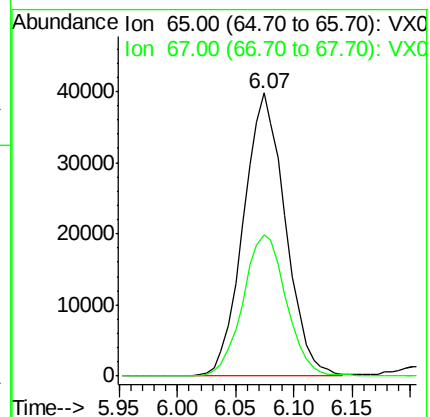
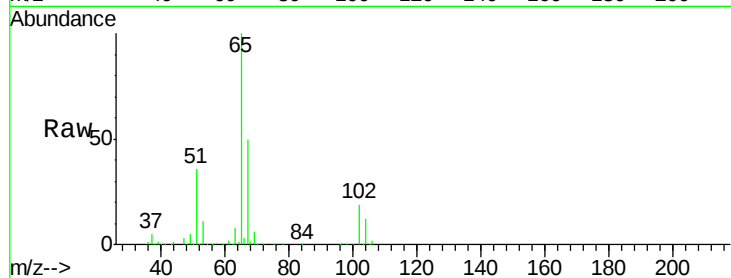
ClientSampleId :

Tot Ion: 65 Resp: 99705

Ion Ratio Lower Upper

65 100

67 51.6 40.9 61.3



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

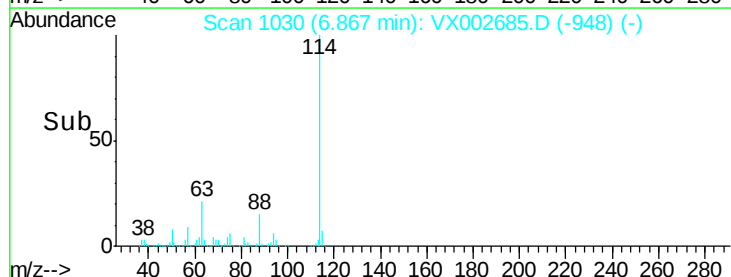
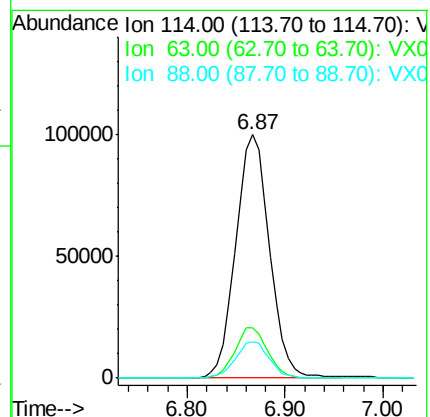
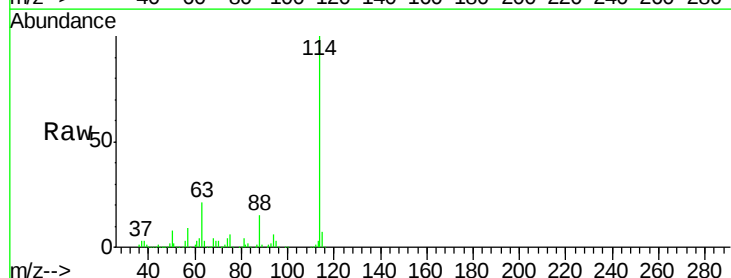
Tgt Ion: 114 Resp: 239911

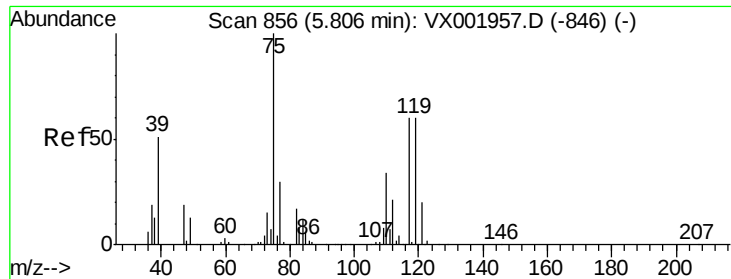
Ion Ratio Lower Upper

114 100

63 20.3 17.1 25.7

88 14.9 12.6 19.0

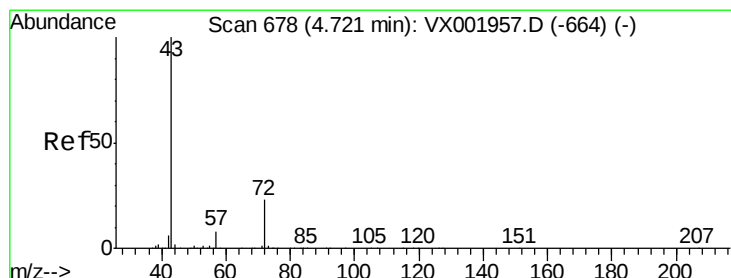
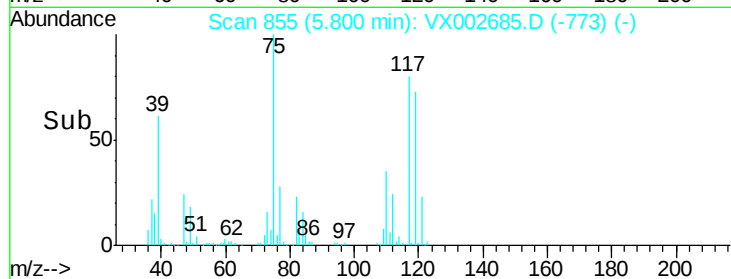
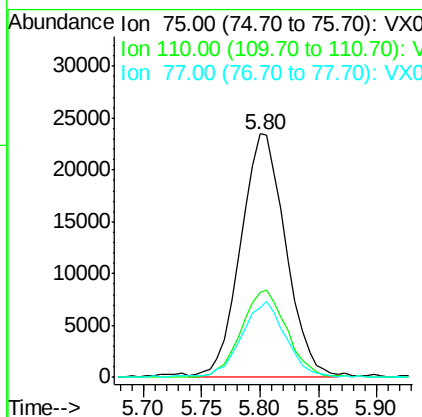
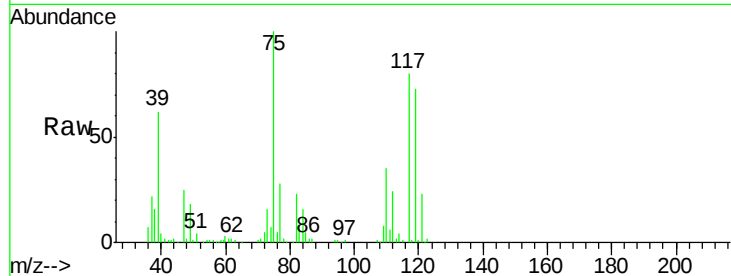




#29
 1,1-Dichloropropene
 Concen: 19.61 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX002685.D
 Acq: 18 Jun 2018 17:54

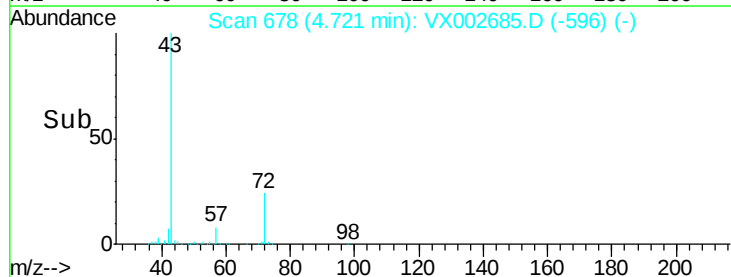
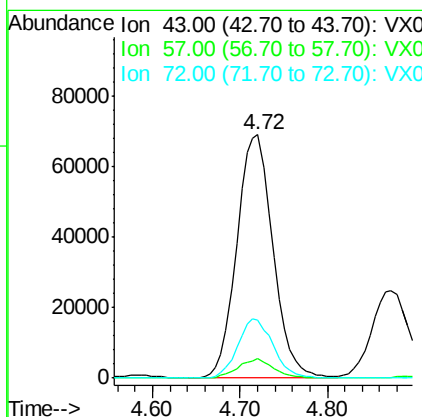
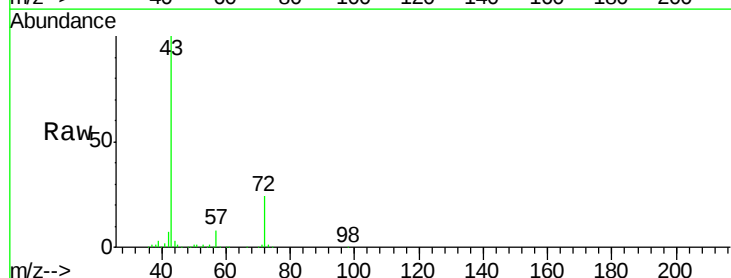
Instrument :
 MSVOA_X
 ClientSampled :

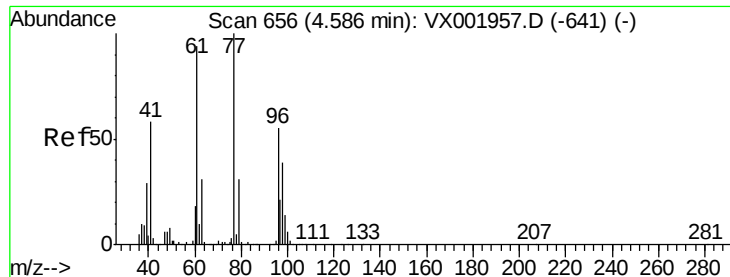
Tot Ion	Ratio	Lower	Upper
75	100		
110	35.8	0.0	71.4
77	30.3	0.0	60.6



#30
 2-Butanone
 Concen: 106.59 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VX002685.D
 Acq: 18 Jun 2018 17:54

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.1	9.1
72	24.1	18.1	27.1





#31

2,2-Dichloropropane

Concen: 19.48 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

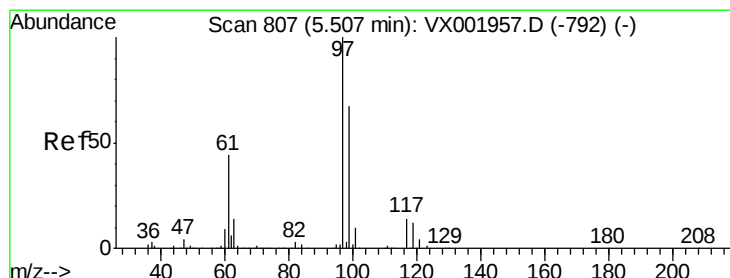
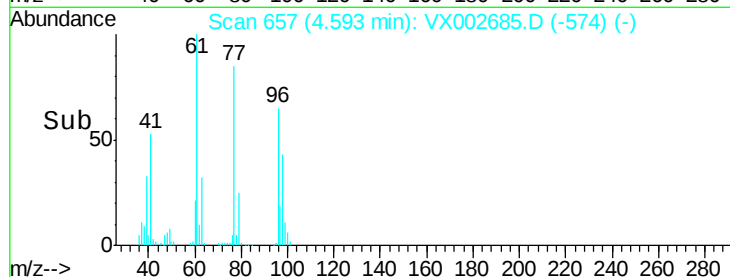
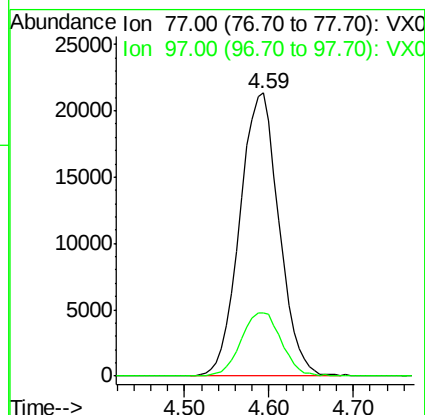
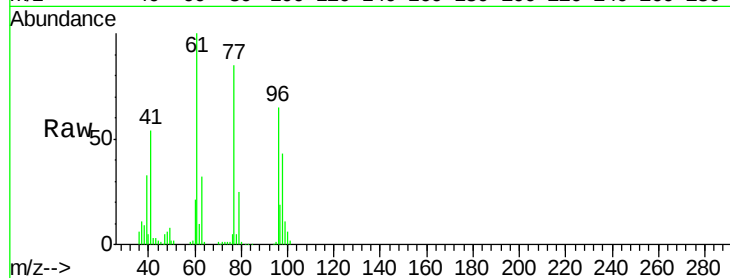
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 77 Resp: 67438

Ion Ratio Lower Upper

77 100

97 23.0 18.7 28.1



#32

1,1,1-Trichloroethane

Concen: 19.16 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

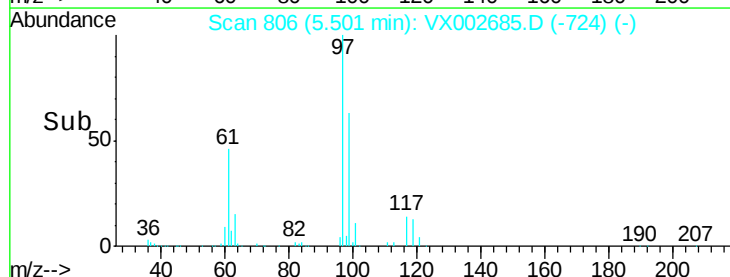
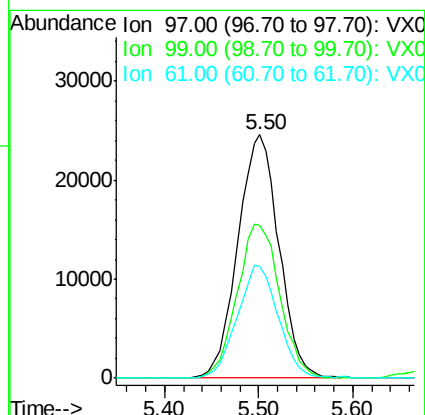
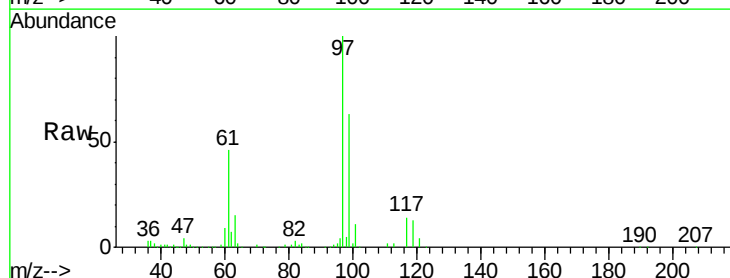
Tgt Ion: 97 Resp: 74990

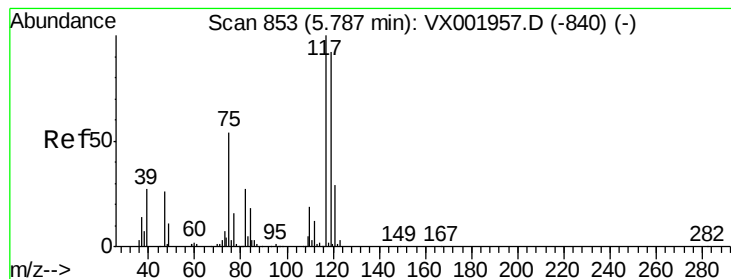
Ion Ratio Lower Upper

97 100

99 65.5 51.7 77.5

61 46.2 36.4 54.6





#33

Carbon Tetrachloride

Concen: 19.14 ug/l

RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

ClientSampled :

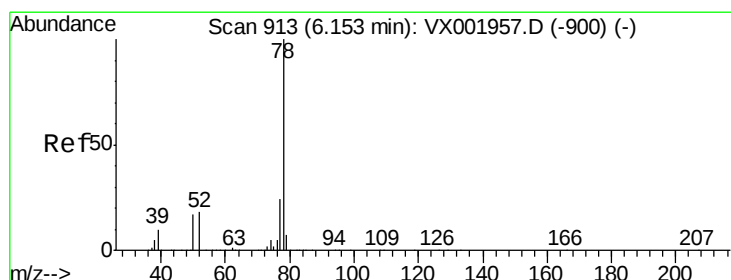
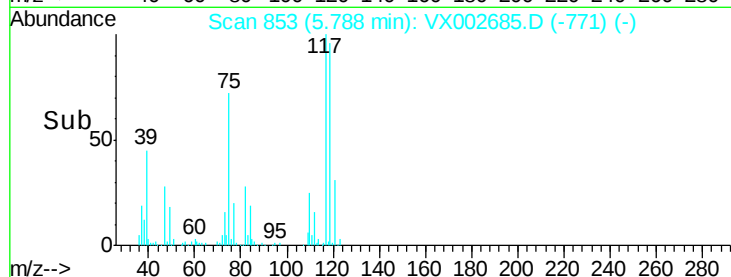
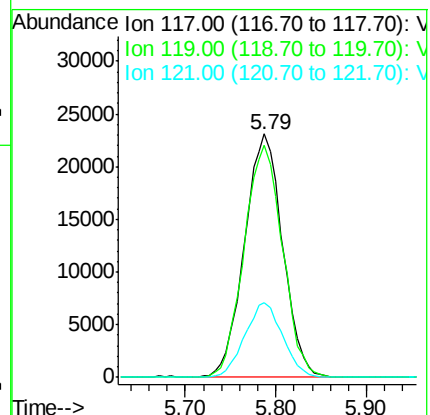
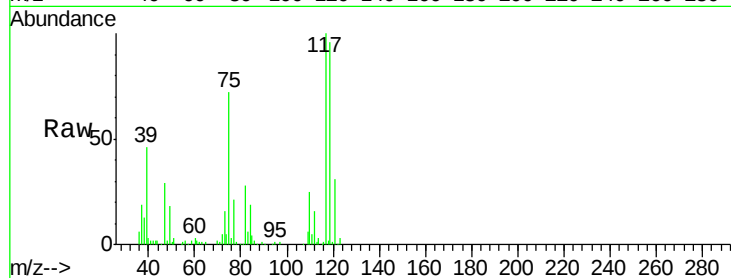
Tot Ion:117 Resp: 67346

Ion Ratio Lower Upper

117 100

119 95.5 73.3 109.9

121 30.6 23.6 35.4



#34

Benzene

Concen: 19.74 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

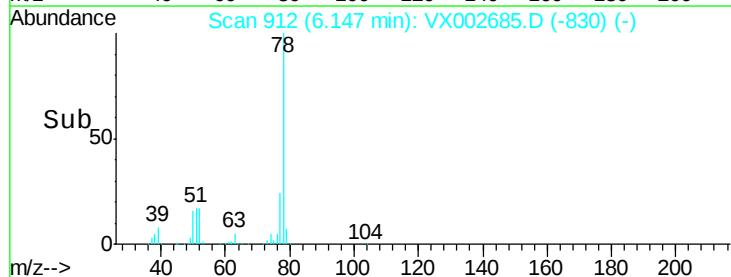
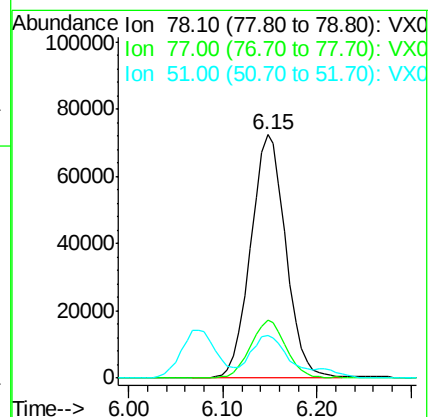
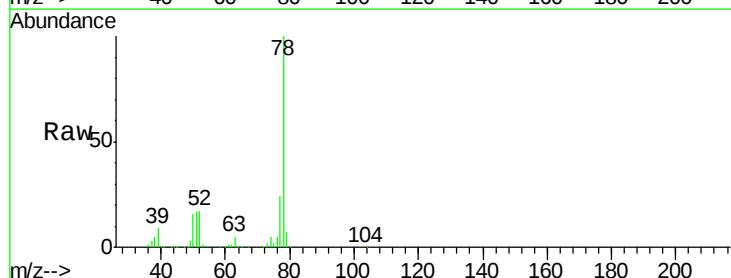
Tgt Ion: 78 Resp: 189440

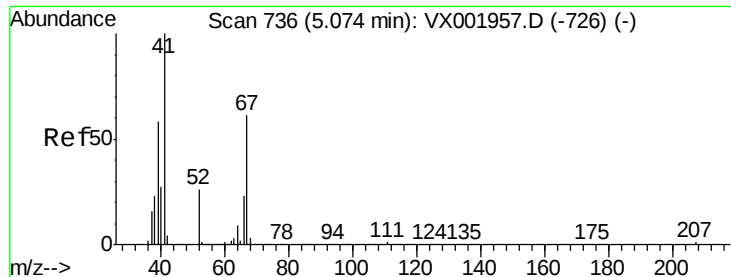
Ion Ratio Lower Upper

78 100

77 24.1 19.4 29.0

51 15.4 13.8 20.6

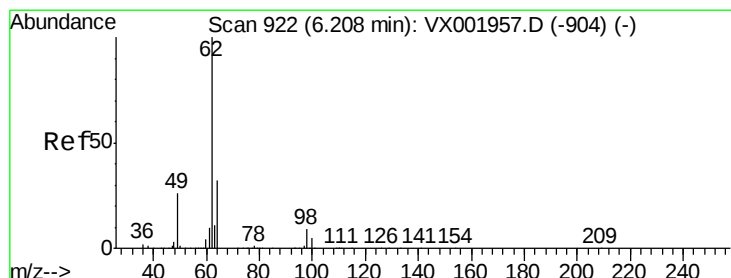
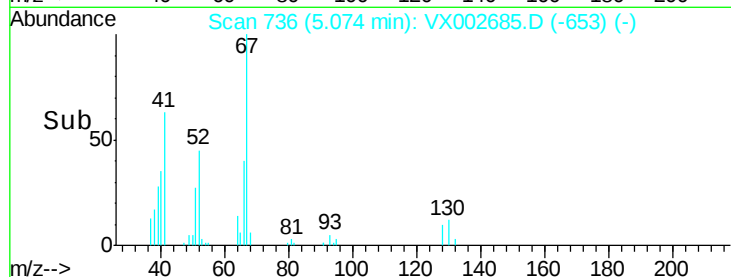
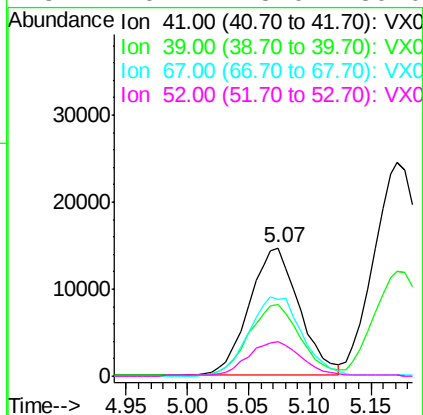
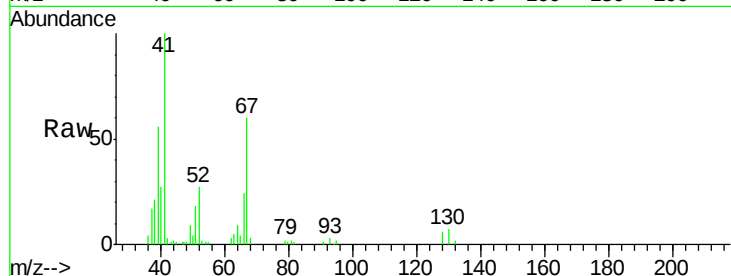




#35
Methacrylonitrile
Concen: 20.76 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

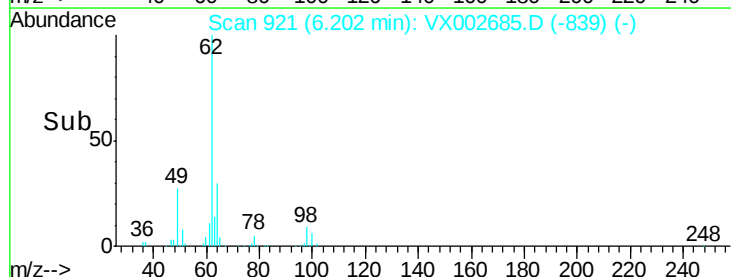
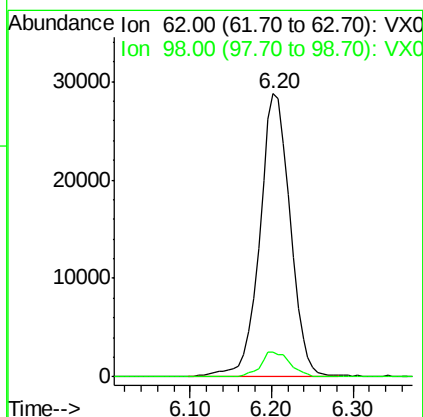
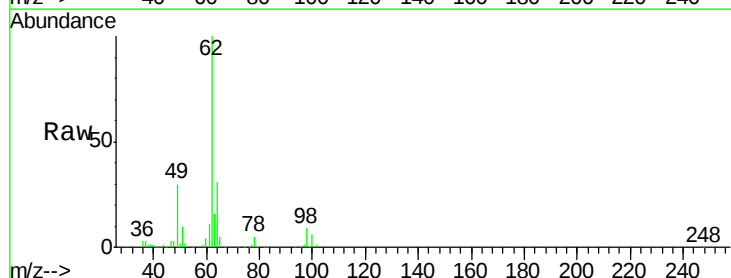
Instrument :
MSVOA_X
ClientSampled :

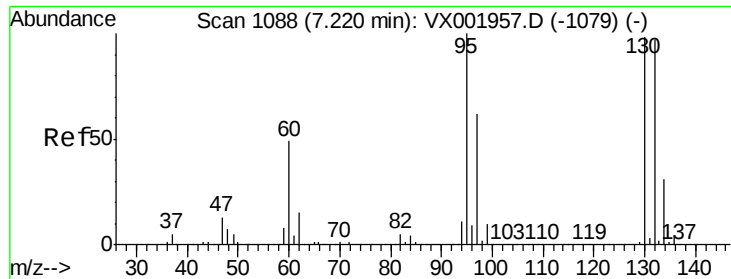
Tot Ion:	41	Resp:	41901
Ion	Ratio	Lower	Upper
41	100		
39	55.5	28.8	86.5
67	59.6	30.4	91.2
52	26.2	13.0	39.0



#36
1,2-Dichloroethane
Concen: 19.96 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Tgt Ion:	62	Resp:	75175
Ion	Ratio	Lower	Upper
62	100		
98	8.5	6.5	9.7

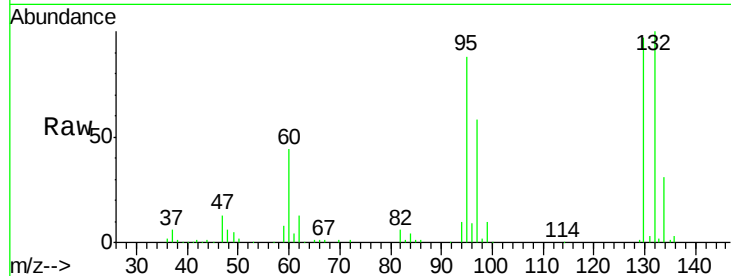




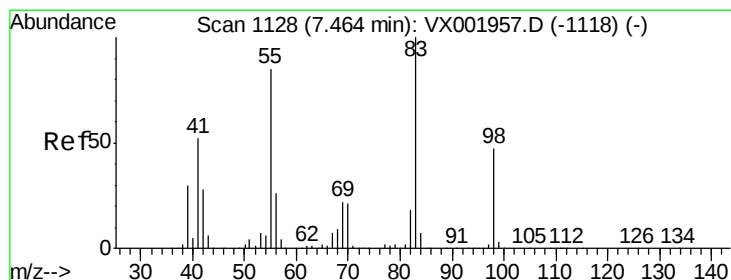
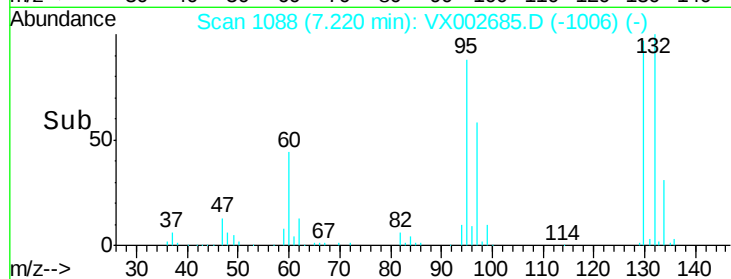
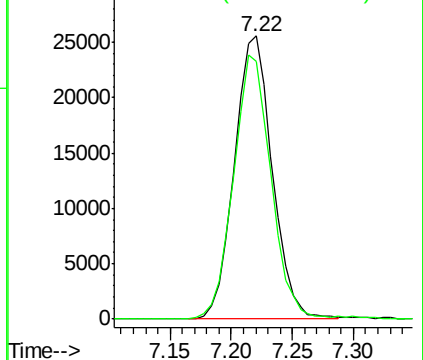
#37
 Trichloroethene
 Concen: 19.51 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002685.D
 Acq: 18 Jun 2018 17:54

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:130 Resp: 54825
 Ion Ratio Lower Upper
 130 100
 95 91.2 81.5 122.3

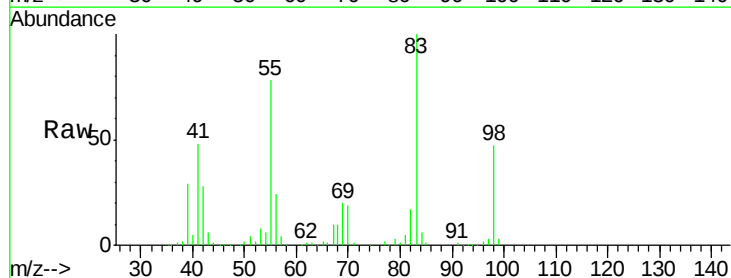


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

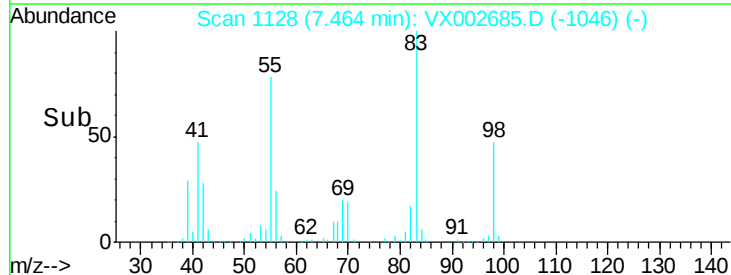
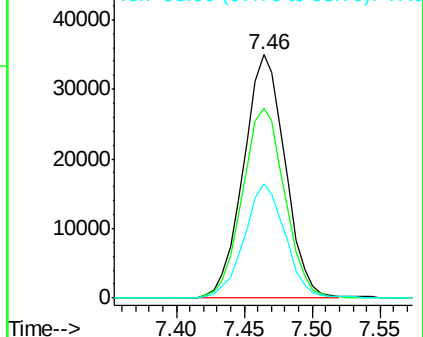


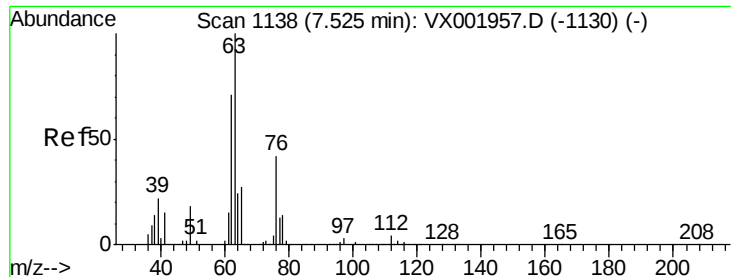
#38
 Methylcyclohexane
 Concen: 19.00 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX002685.D
 Acq: 18 Jun 2018 17:54

Tgt Ion: 83 Resp: 74903
 Ion Ratio Lower Upper
 83 100
 55 79.7 40.6 121.8
 98 46.3 23.5 70.5



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0

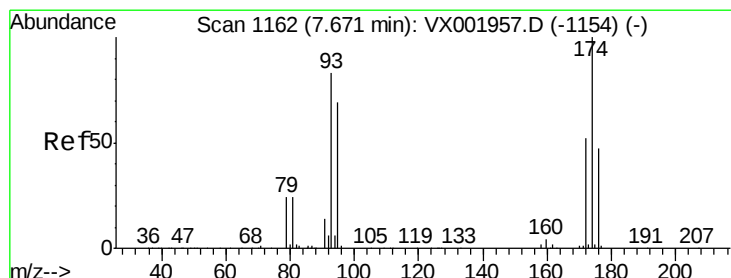
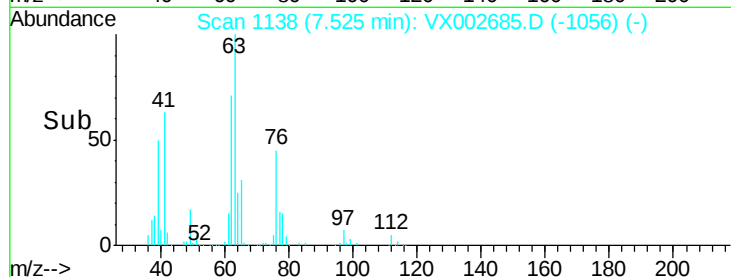
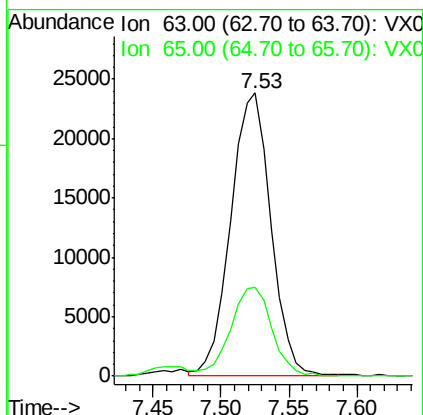
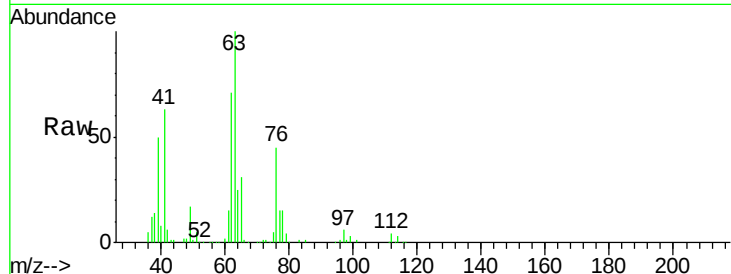




#39
 1,2-Dichloropropane
 Concen: 19.65 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX002685.D
 Acq: 18 Jun 2018 17:54

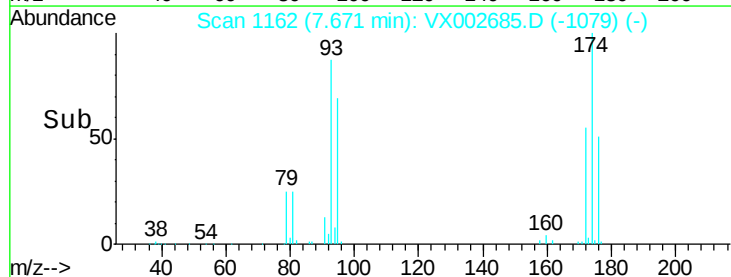
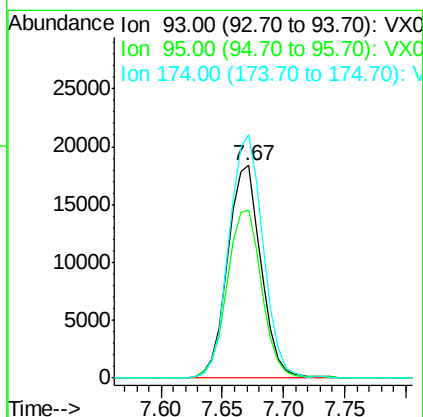
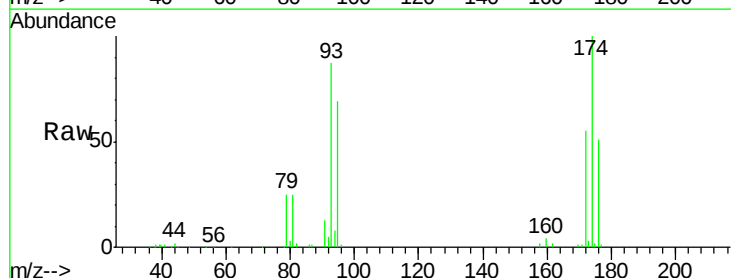
Instrument :
 MSVOA_X
 ClientSampleId :

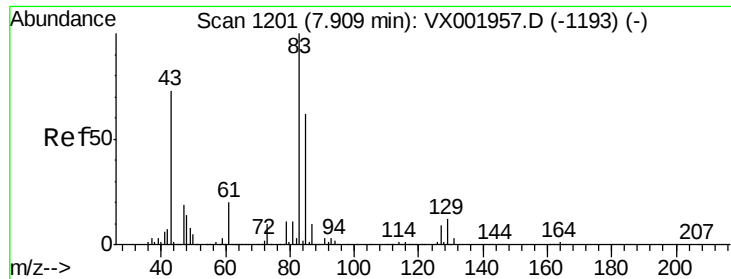
Tot Ion: 63 Resp: 49174
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.3 34.9



#40
 Dibromomethane
 Concen: 20.04 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX002685.D
 Acq: 18 Jun 2018 17:54

Tgt Ion: 93 Resp: 34842
 Ion Ratio Lower Upper
 93 100
 95 81.9 0.0 162.6
 174 115.7 0.0 229.4





#41

Bromodichloromethane

Concen: 19.02 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :

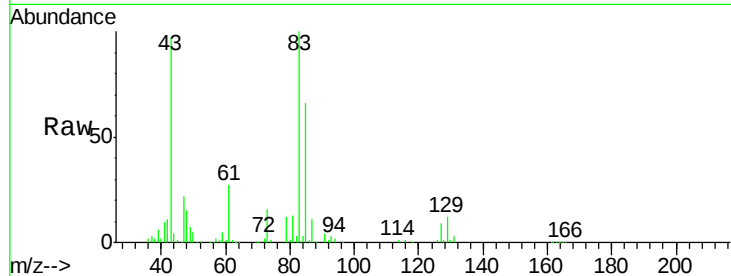
Tot Ion: 83 Resp: 62123

Ion Ratio Lower Upper

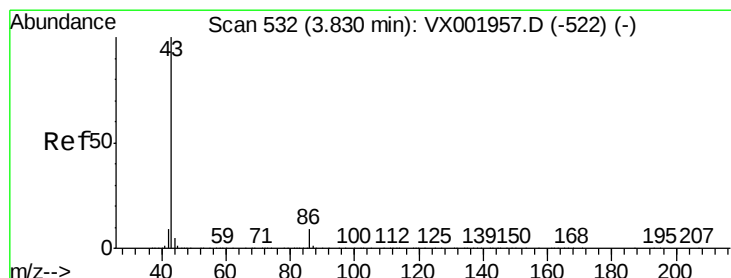
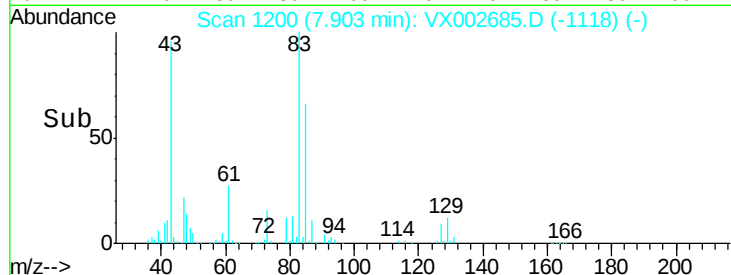
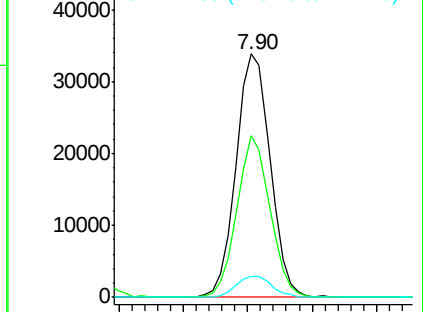
83 100

85 66.3 49.8 74.8

127 8.5 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 101.72 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002685.D

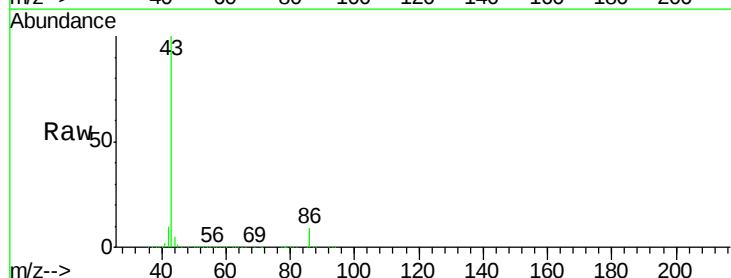
Acq: 18 Jun 2018 17:54

Tgt Ion: 43 Resp: 715200

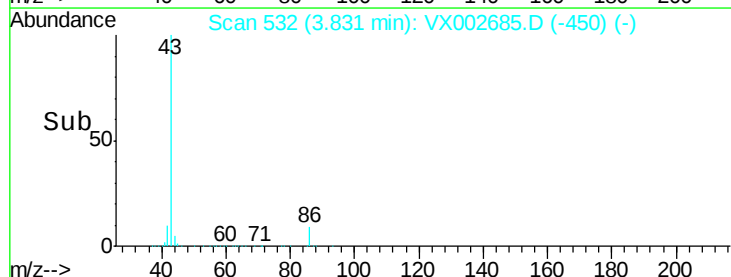
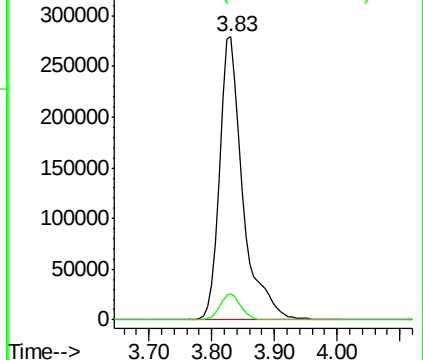
Ion Ratio Lower Upper

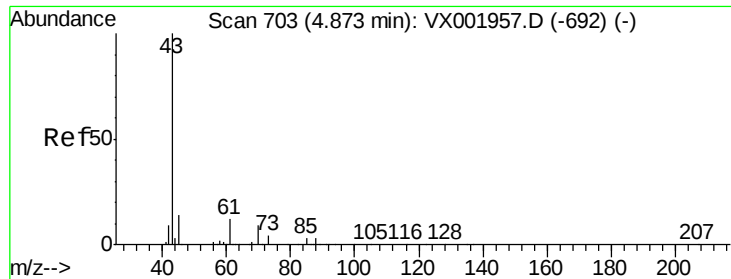
43 100

86 8.4 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

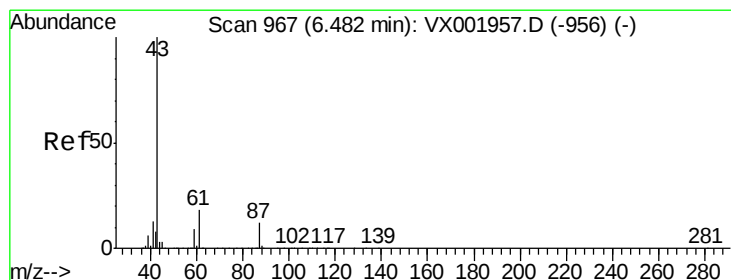
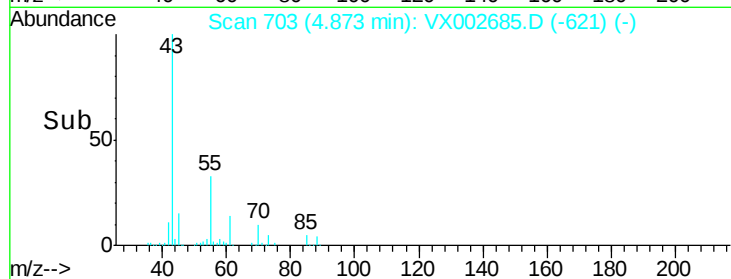
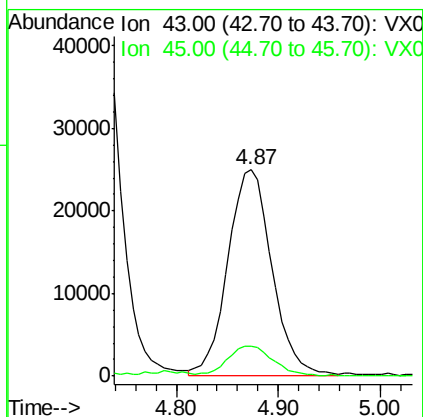
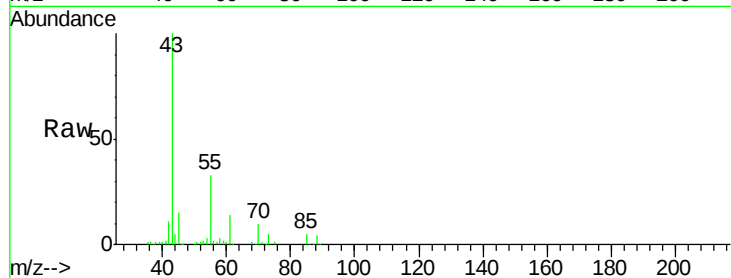




#43
Ethyl Acetate
Concen: 21.09 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

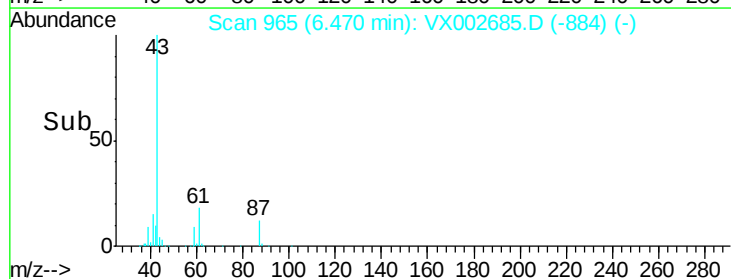
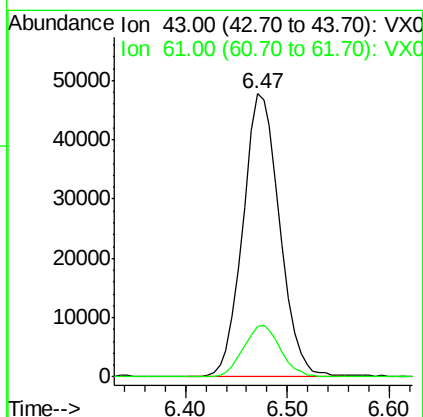
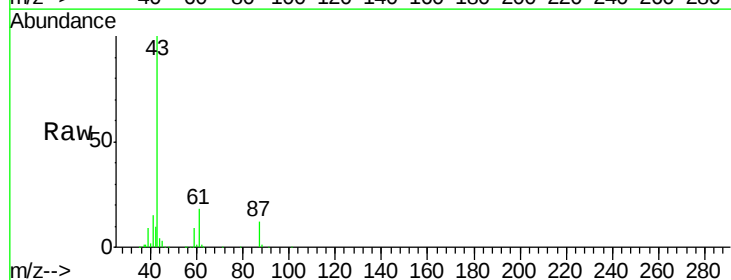
Instrument :
MSVOA_X
ClientSampleId :

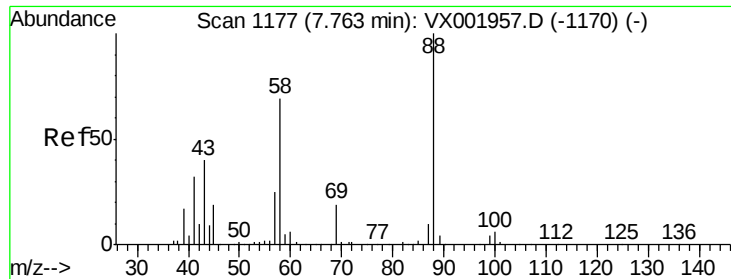
Tot Ion: 43 Resp: 74793
Ion Ratio Lower Upper
43 100
45 13.8 11.0 16.4



#44
Isopropyl Acetate
Concen: 20.06 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Tgt Ion: 43 Resp: 119185
Ion Ratio Lower Upper
43 100
61 18.6 14.5 21.7

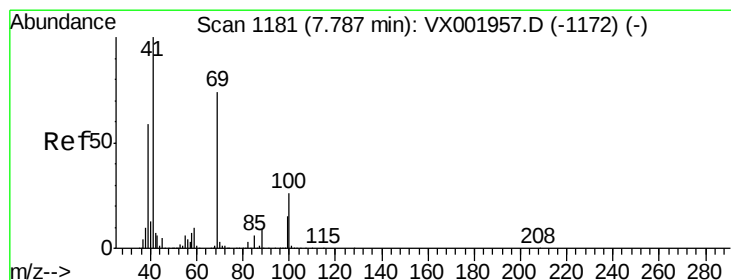
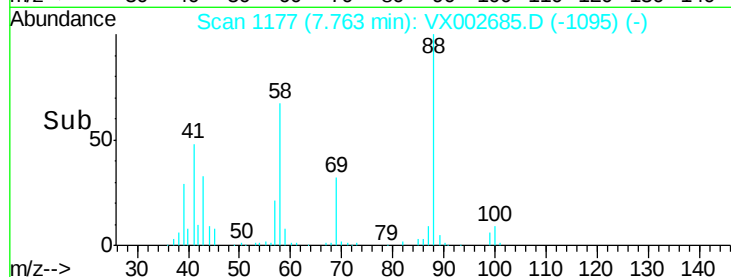
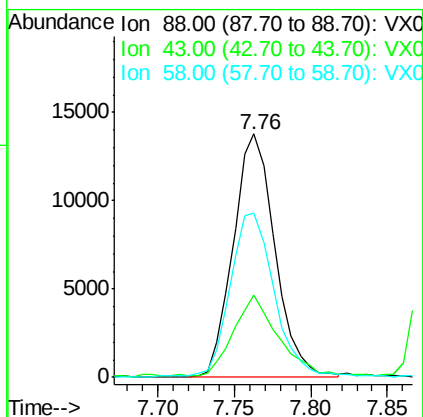
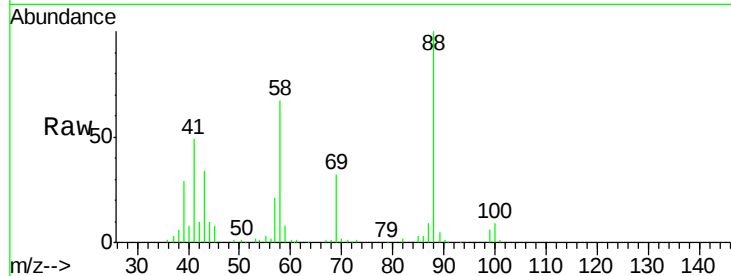




#45
 1,4-Dioxane
 Concen: 449.05 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX002685.D
 Acq: 18 Jun 2018 17:54

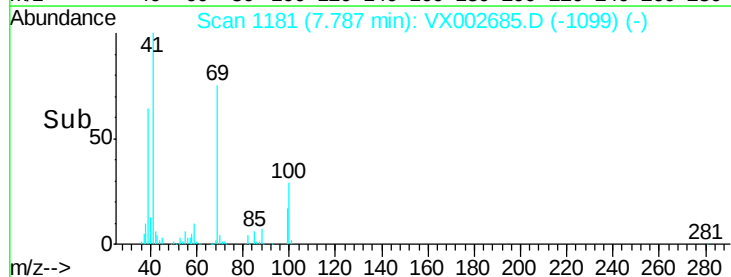
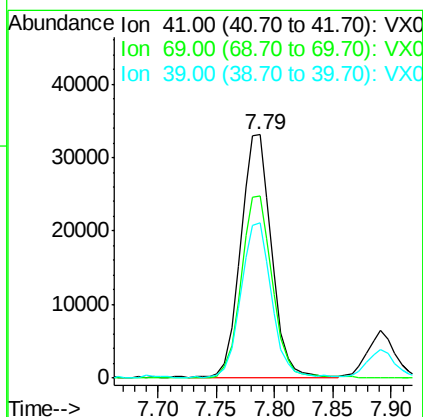
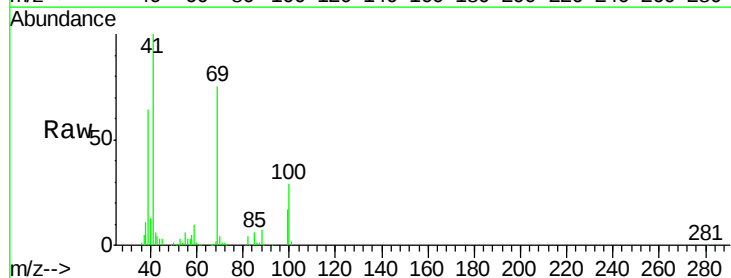
Instrument :
 MSVOA_X
 ClientSampleId :

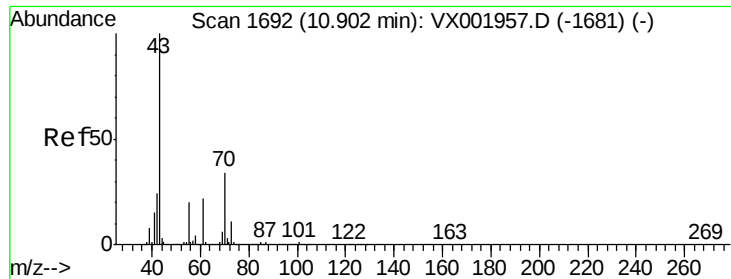
Tot Ion: 88 Resp: 26135
 Ion Ratio Lower Upper
 88 100
 43 34.7 43.2 64.8#
 58 71.8 60.2 90.2



#46
 Methyl methacrylate
 Concen: 20.14 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VX002685.D
 Acq: 18 Jun 2018 17:54

Tgt Ion: 41 Resp: 61139
 Ion Ratio Lower Upper
 41 100
 69 74.8 37.0 110.9
 39 63.4 29.6 88.9

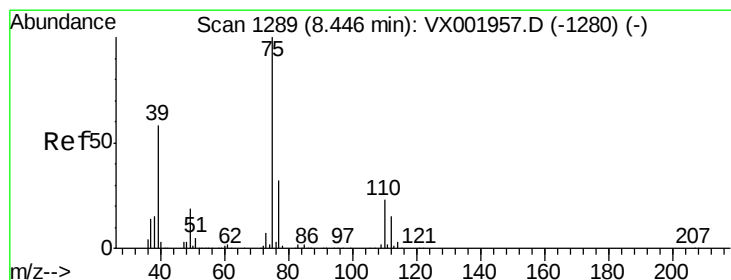
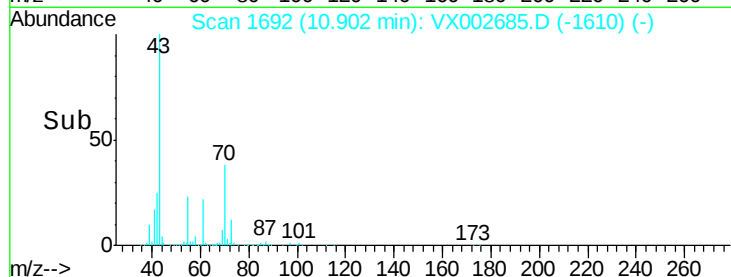
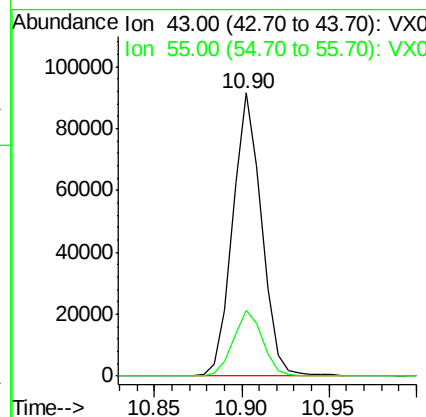
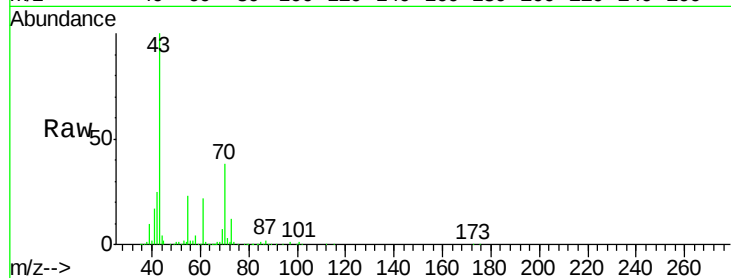




#47
n-amyl Acetate
Concen: 18.62 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

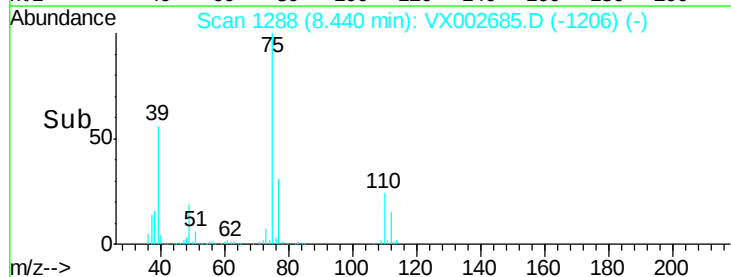
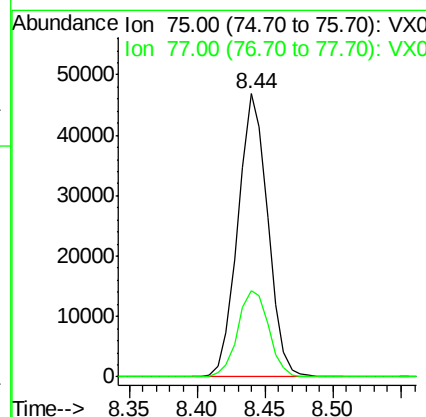
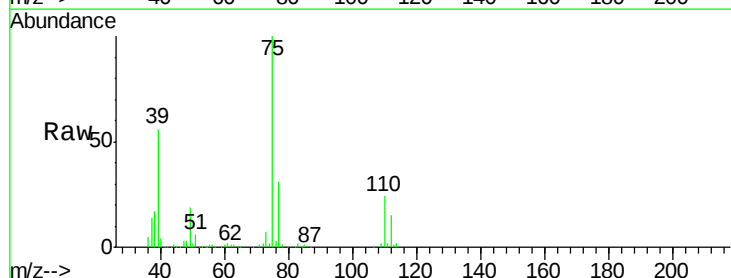
Instrument :
MSVOA_X
ClientSampled :

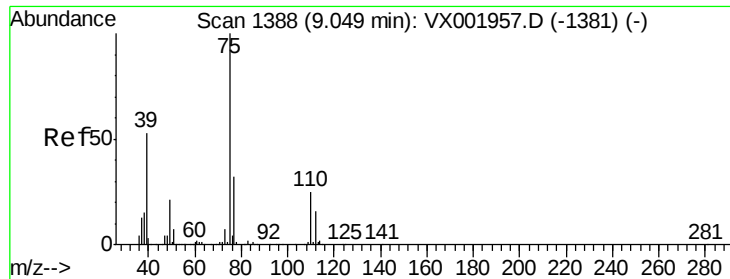
Tot Ion: 43 Resp: 104403
Ion Ratio Lower Upper
43 100
55 24.0 0.1 0.1#



#48
t-1,3-Dichloropropene
Concen: 18.77 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Tgt Ion: 75 Resp: 71969
Ion Ratio Lower Upper
75 100
77 30.5 25.6 38.4



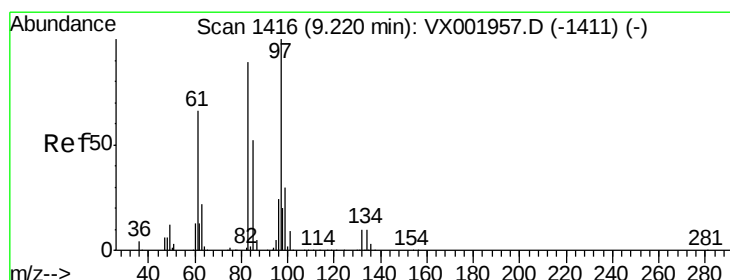
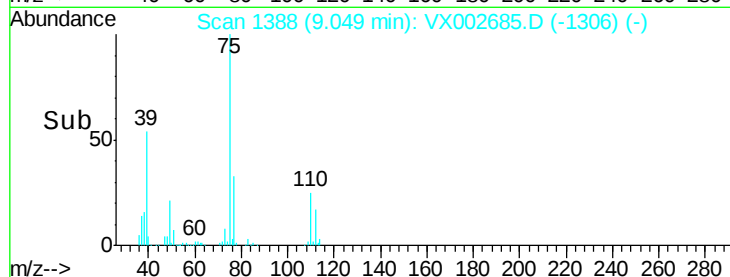
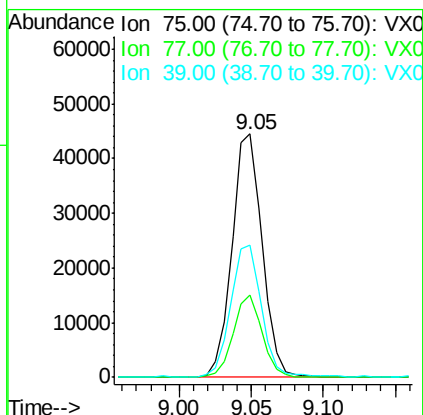
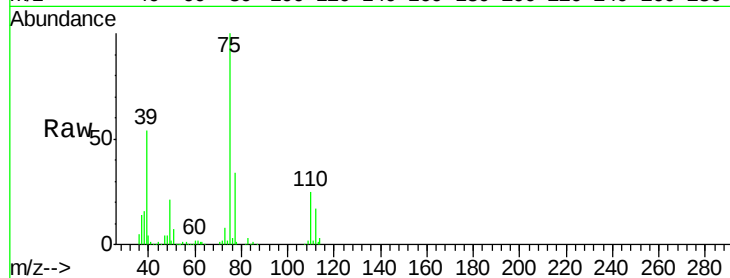


#49

cis-1,3-Dichloropropene
Concen: 18.22 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Instrument :
MSVOA_X
ClientSampled :

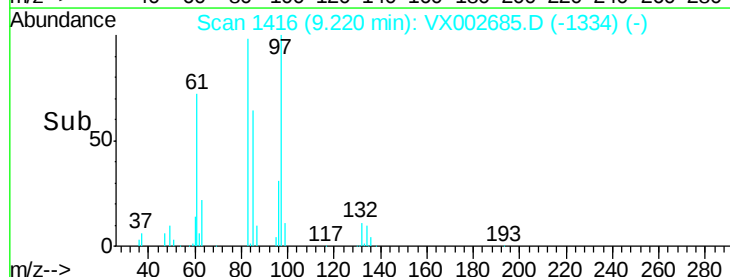
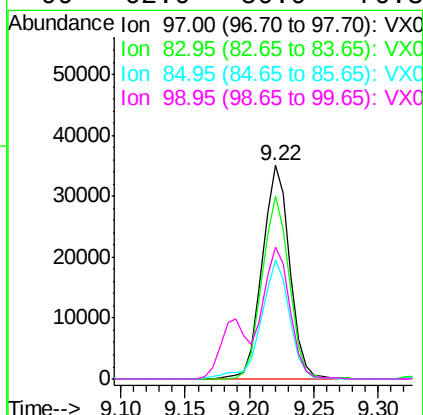
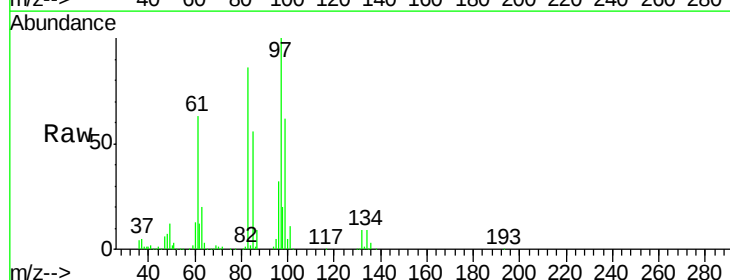
Tot Ion	Ratio	Lower	Upper
75	100		
77	33.6	25.4	38.2
39	54.0	42.3	63.5

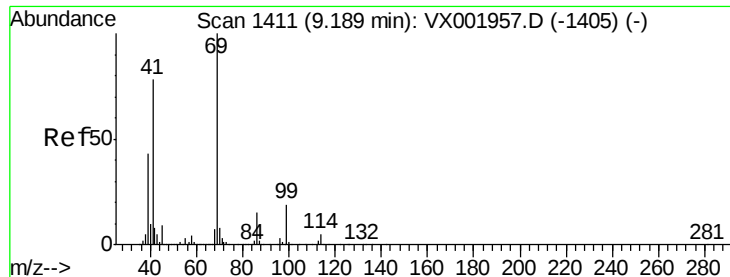


#50

1,1,2-Trichloroethane
Concen: 20.22 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.8	106.2
85	55.9	43.5	65.3
99	62.0	50.9	76.3





#51

Ethyl methacrylate

Concen: 19.31 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :

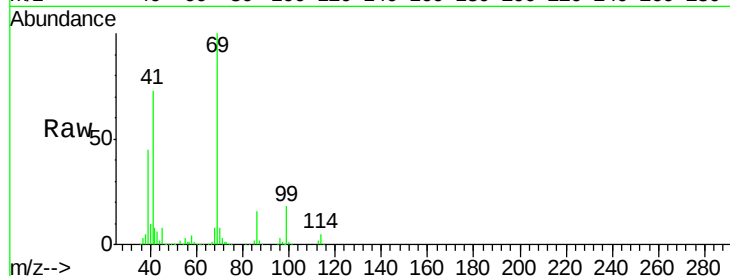
Tot Ion: 69 Resp: 74748

Ion Ratio Lower Upper

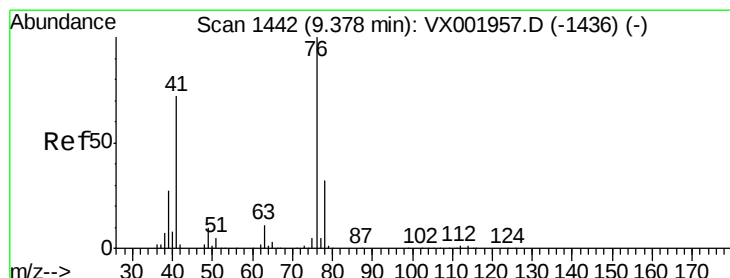
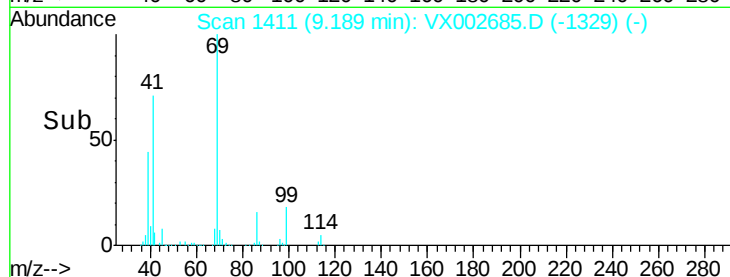
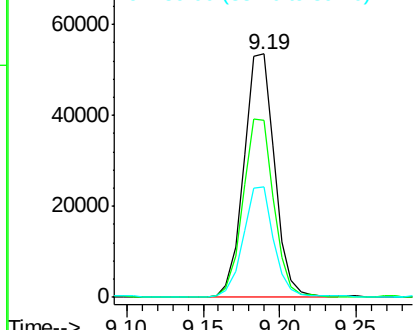
69 100

41 72.6 39.1 117.3

39 45.1 21.7 65.1



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 19.93 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002685.D

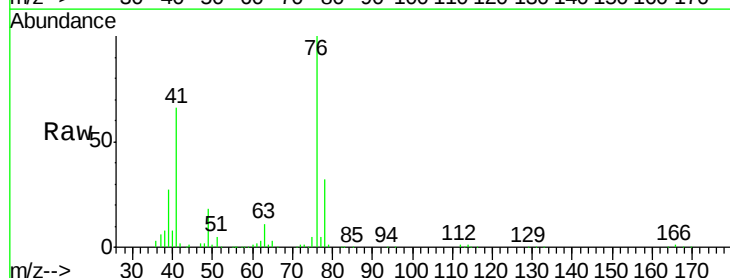
Acq: 18 Jun 2018 17:54

Tgt Ion: 76 Resp: 83488

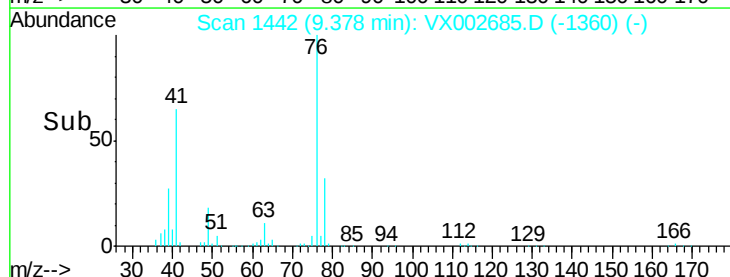
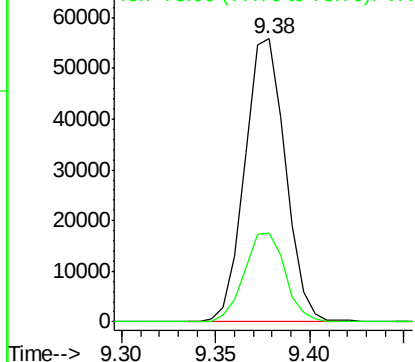
Ion Ratio Lower Upper

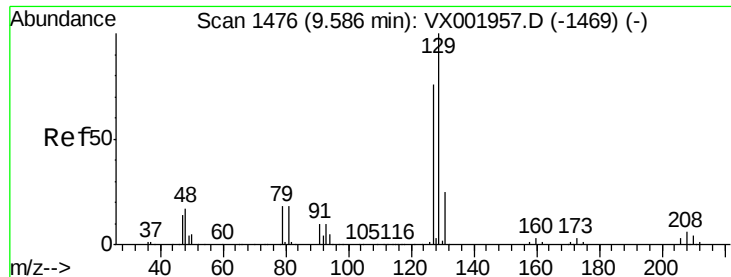
76 100

78 31.9 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 18.21 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

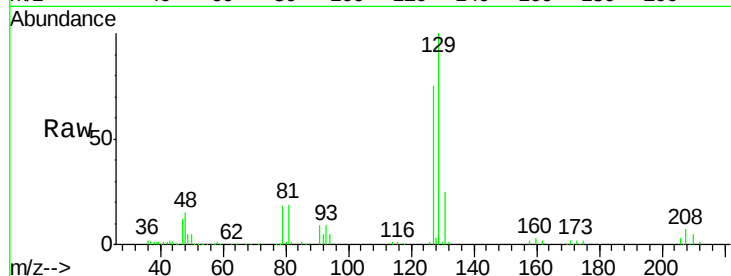
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 49582

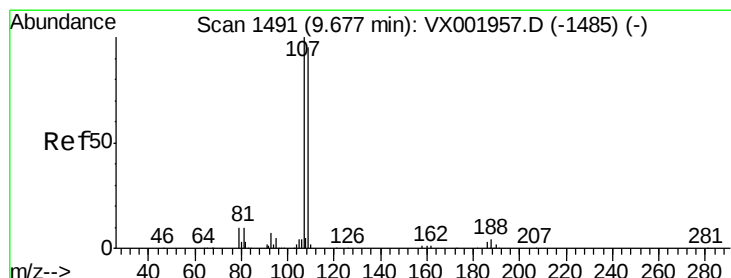
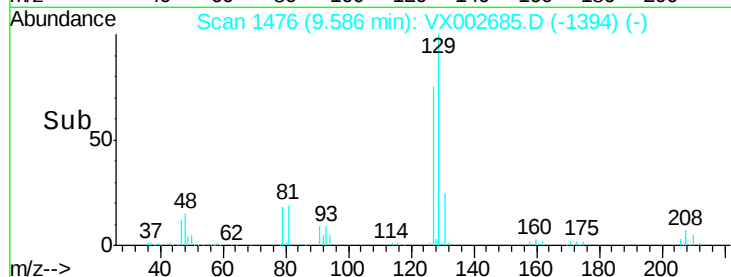
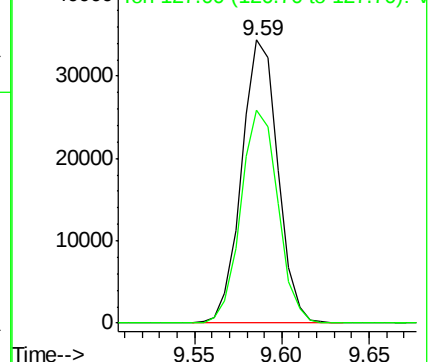
Ion Ratio Lower Upper

129 100

127 77.0 38.5 115.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.60 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002685.D

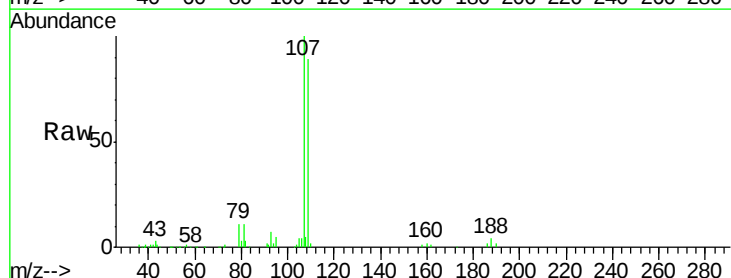
Acq: 18 Jun 2018 17:54

Tgt Ion:107 Resp: 52967

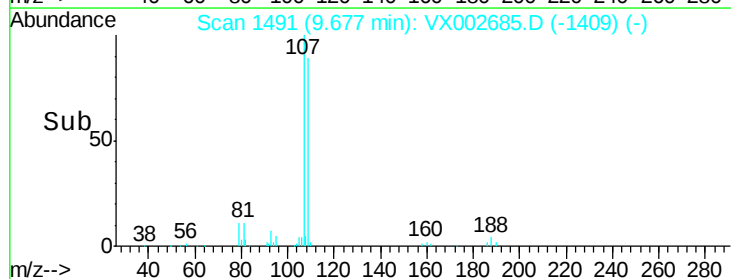
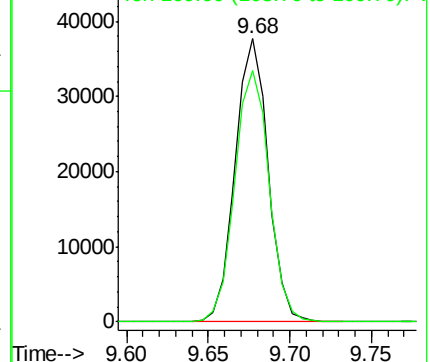
Ion Ratio Lower Upper

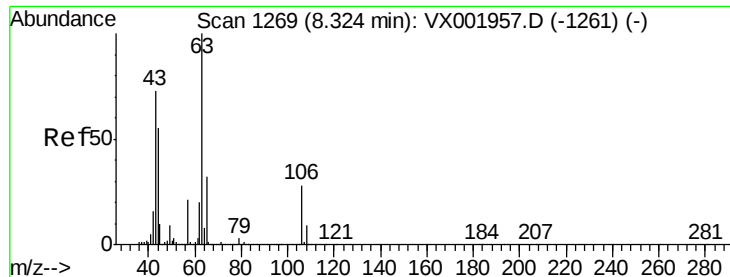
107 100

109 93.0 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 101.01 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

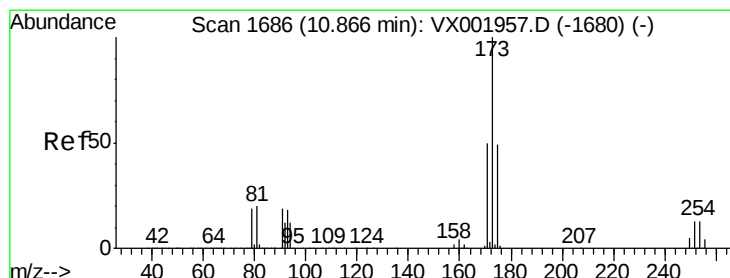
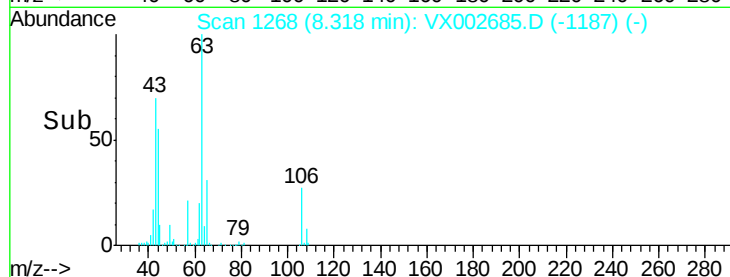
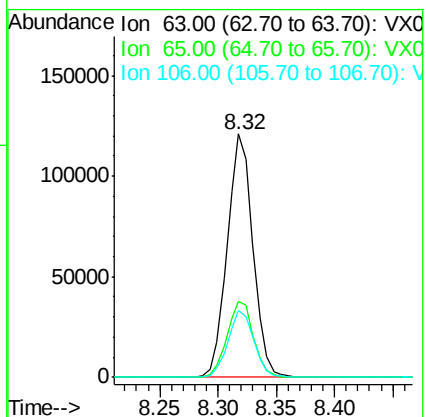
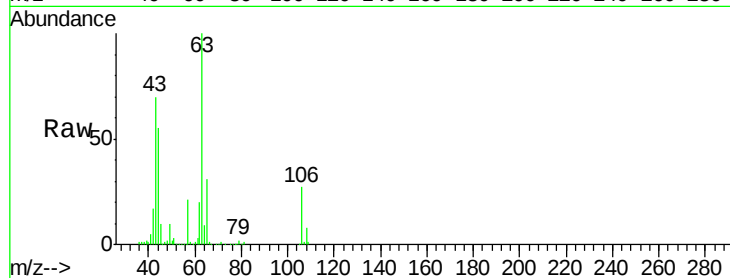
Tot Ion: 63 Resp: 185754

Ion Ratio Lower Upper

63 100

65 32.1 25.6 38.4

106 27.8 21.6 32.4



#56

Bromoform

Concen: 17.16 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

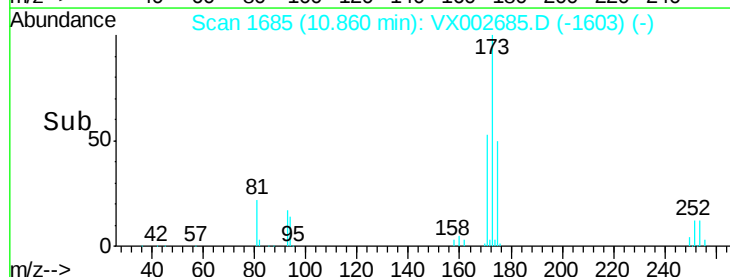
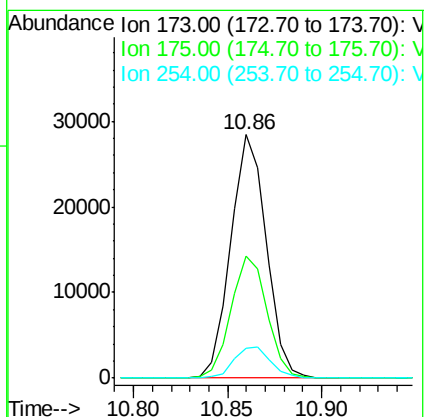
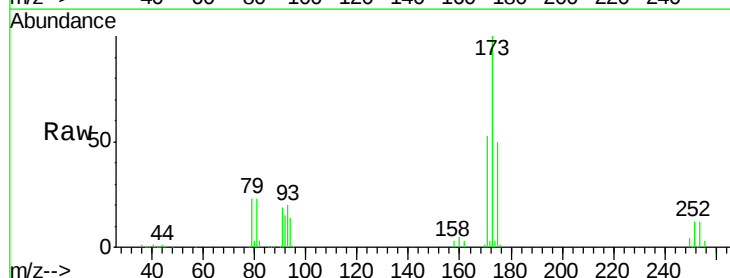
Tgt Ion:173 Resp: 37291

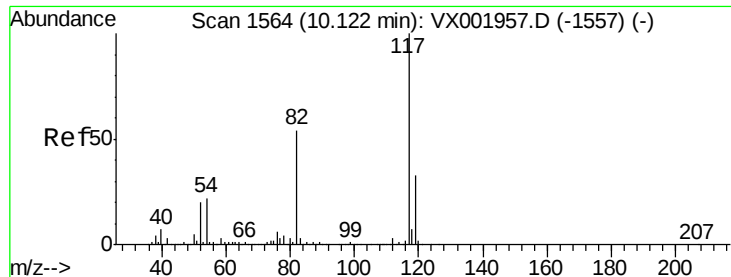
Ion Ratio Lower Upper

173 100

175 51.0 39.0 58.4

254 13.3 9.6 14.4

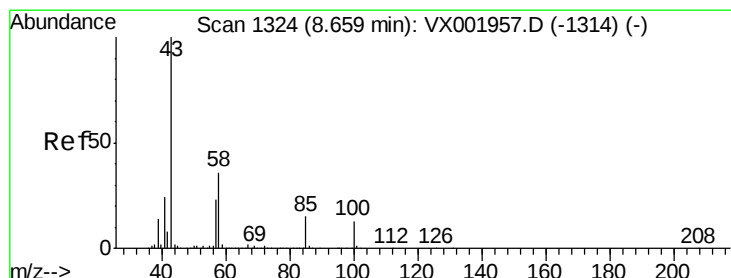
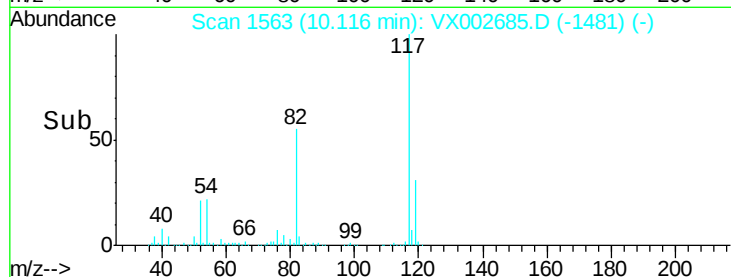
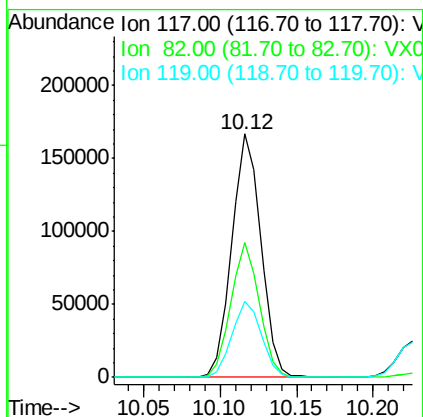
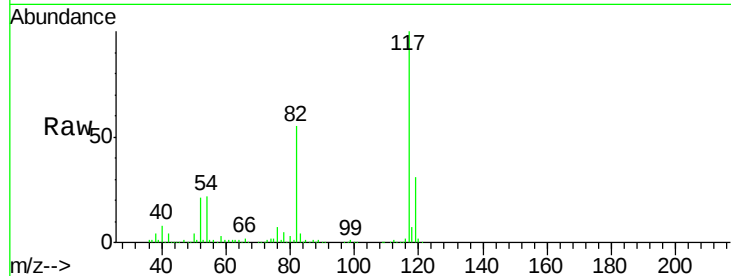




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

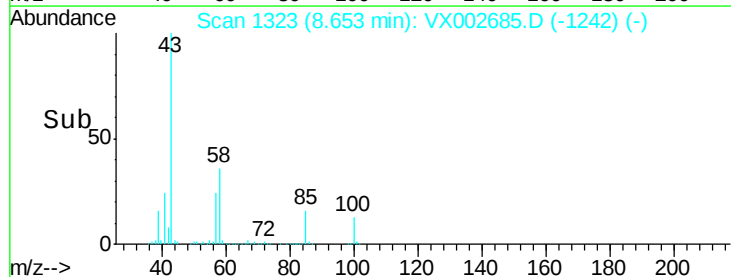
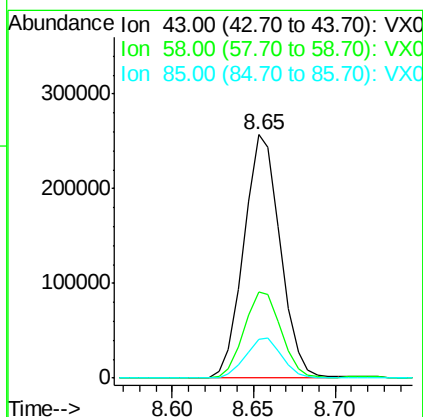
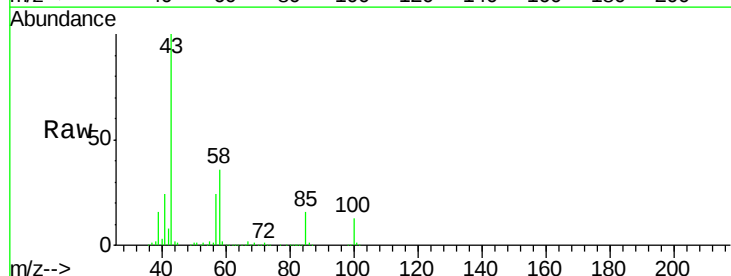
Instrument :
MSVOA_X
ClientSampleId :

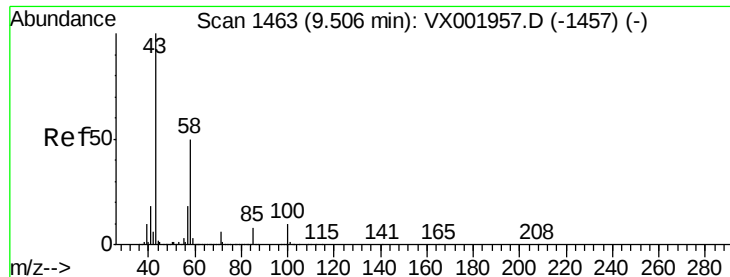
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.3	66.5
119	31.8	25.7	38.5



#58
4-Methyl-2-Pentanone
Concen: 106.96 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.4	28.2	42.4
85	16.4	12.4	18.6

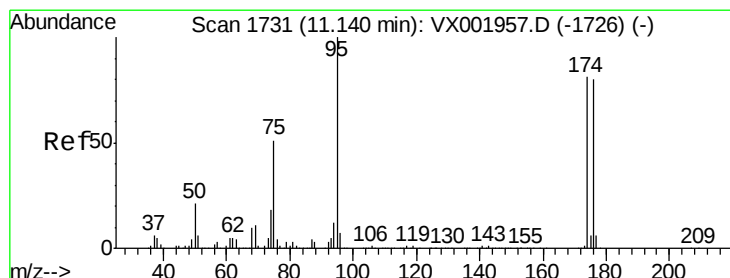
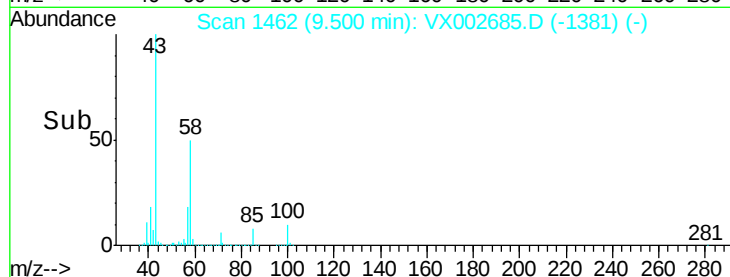
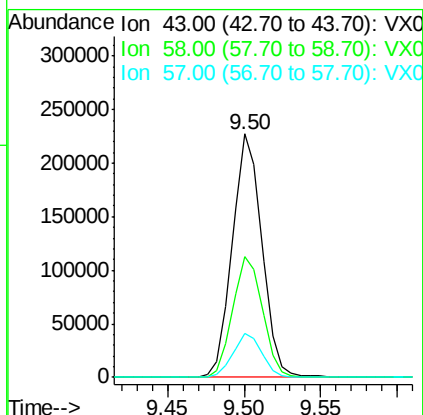
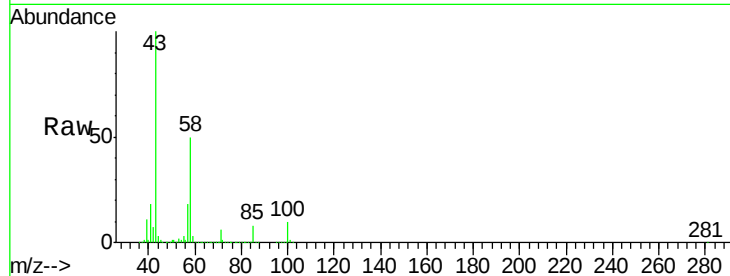




#59
2-Hexanone
Concen: 106.71 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

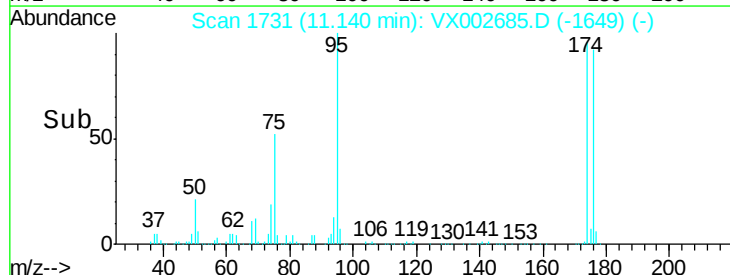
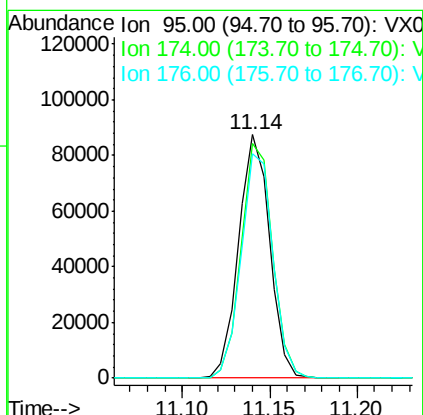
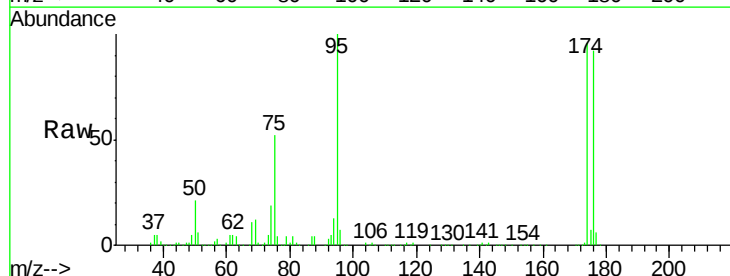
Instrument :
MSVOA_X
ClientSampleId :

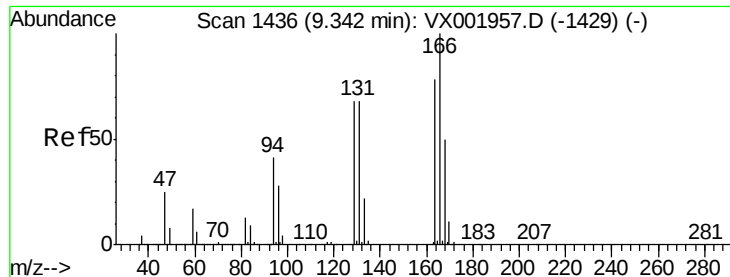
Tot Ion: 43 Resp: 305144
Ion Ratio Lower Upper
43 100
58 49.7 39.6 59.4
57 17.6 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 29.74 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Tgt Ion: 95 Resp: 108199
Ion Ratio Lower Upper
95 100
174 97.4 71.8 107.6
176 94.1 70.1 105.1

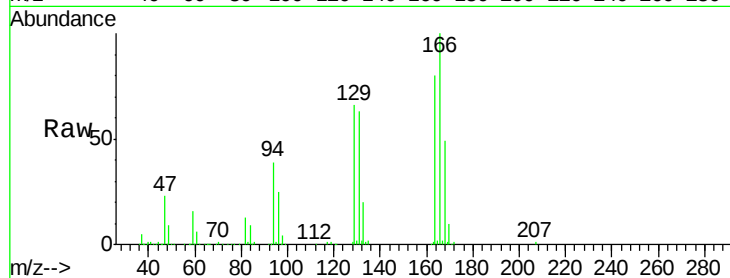




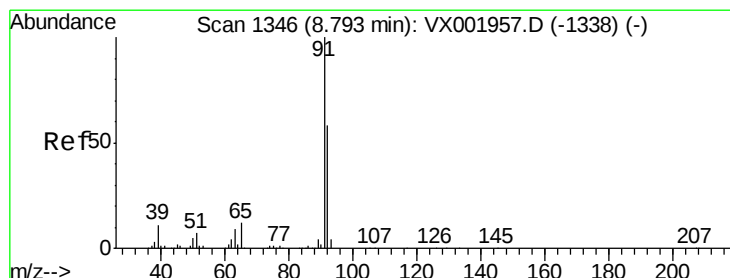
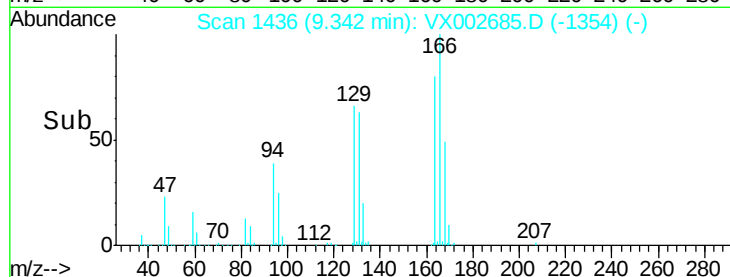
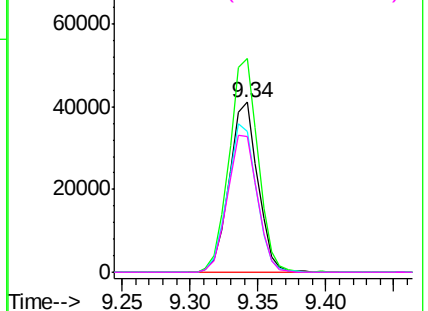
#61
Tetrachloroethene
Concen: 19.85 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 60023
Ion Ratio Lower Upper
164 100
166 125.7 102.4 153.6
129 83.2 70.1 105.1
131 79.7 69.1 103.7

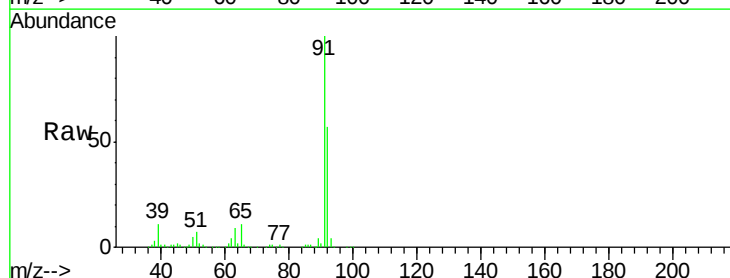


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

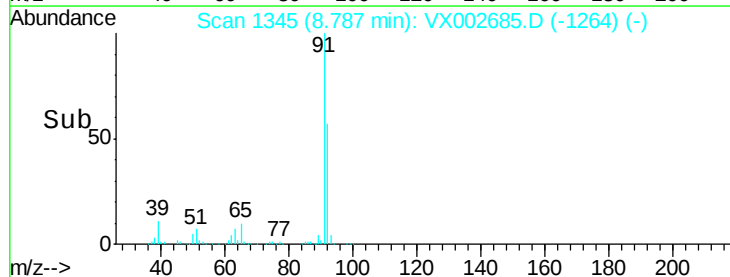
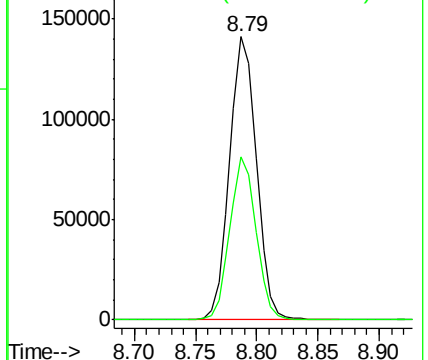


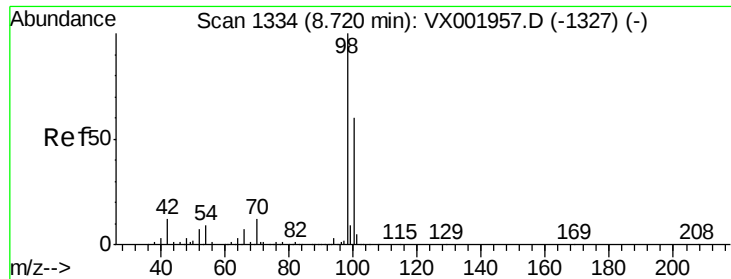
#62
Toluene
Concen: 20.25 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Tgt Ion: 91 Resp: 215047
Ion Ratio Lower Upper
91 100
92 56.1 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.69 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

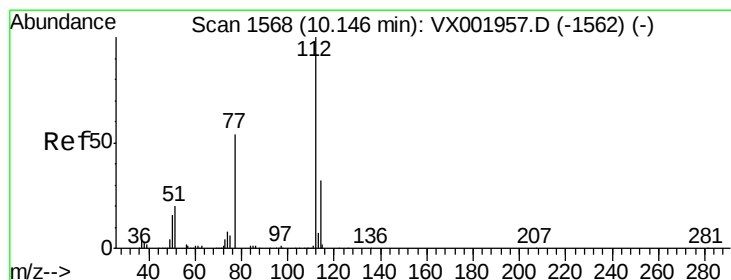
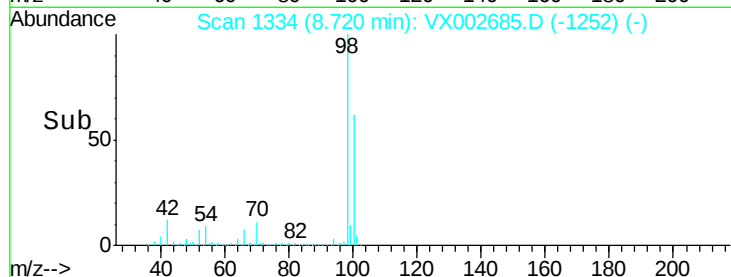
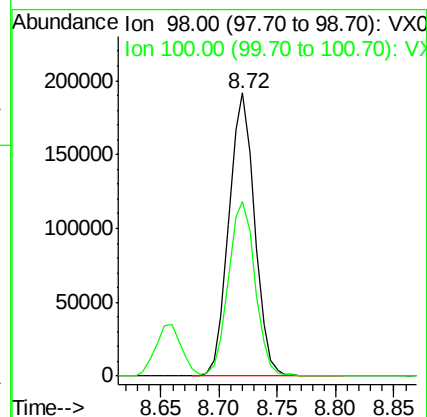
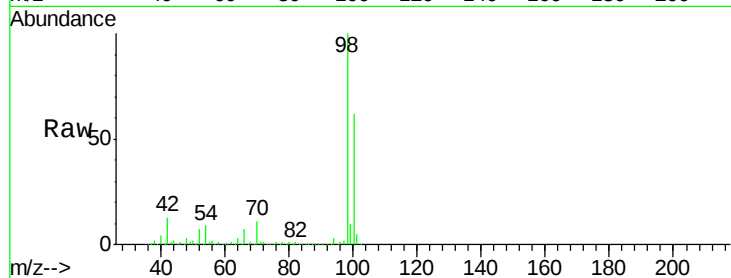
ClientSampleId :

Tot Ion: 98 Resp: 295378

Ion Ratio Lower Upper

98 100

100 63.6 50.8 76.2



#64

Chlorobenzene

Concen: 19.95 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002685.D

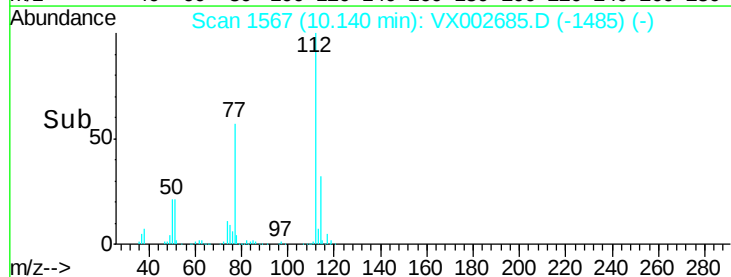
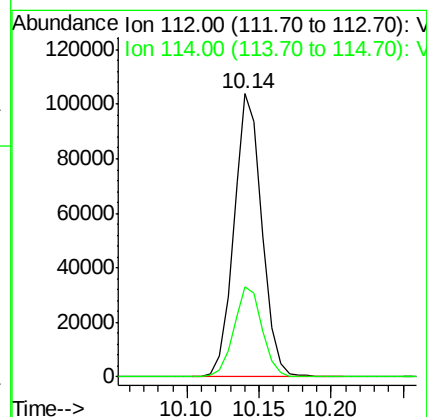
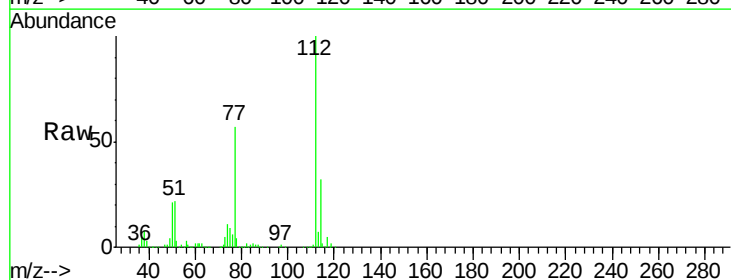
Acq: 18 Jun 2018 17:54

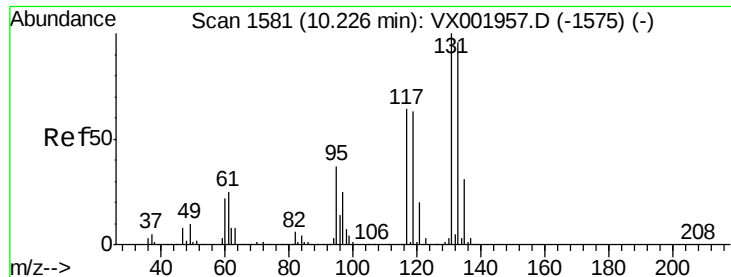
Tgt Ion: 112 Resp: 140778

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.78 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

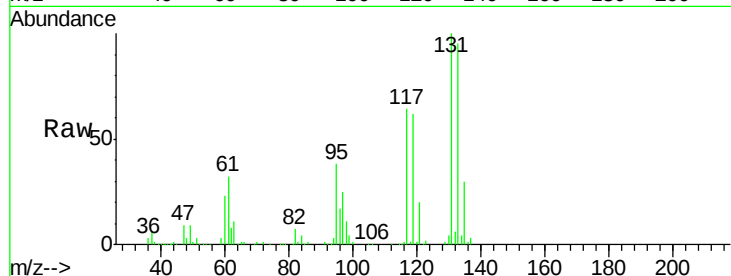
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:131 Resp: 51147

Ion	Ratio	Lower	Upper
131	100		
133	95.3	0.0	191.2
119	62.8	0.0	125.4

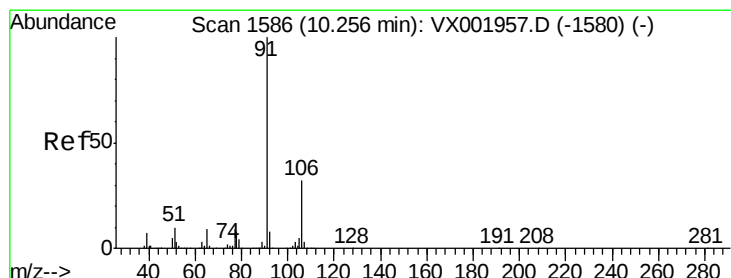
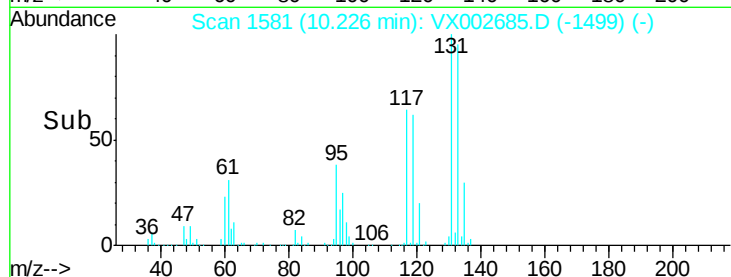
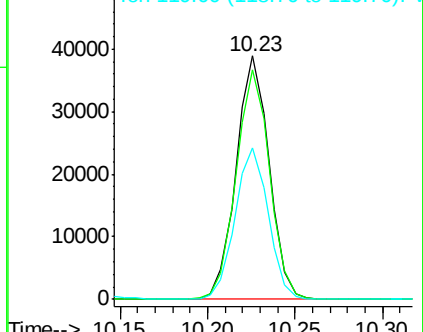


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.80 ug/l

RT: 10.26 min Scan# 1586

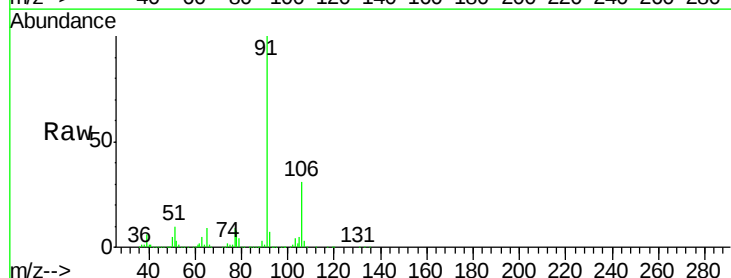
Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Tgt Ion: 91 Resp: 236841

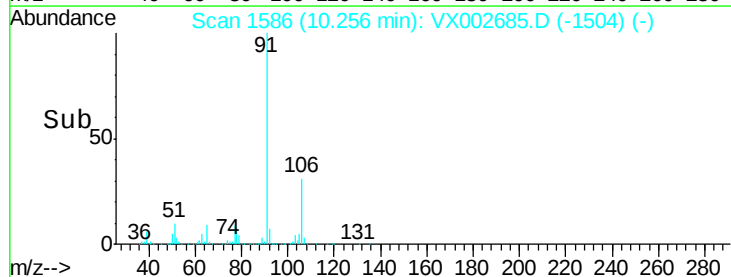
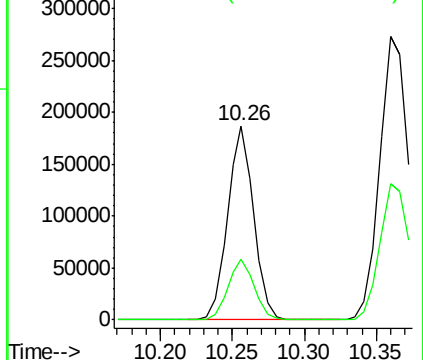
Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.2	37.8

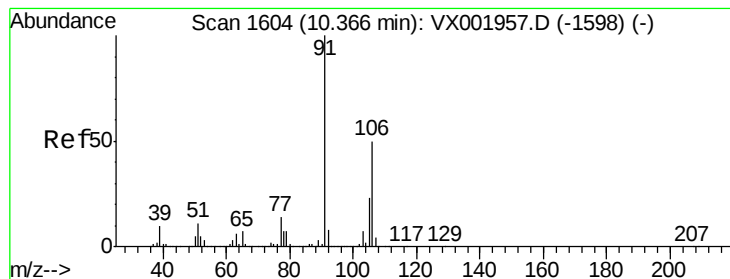


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 39.18 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

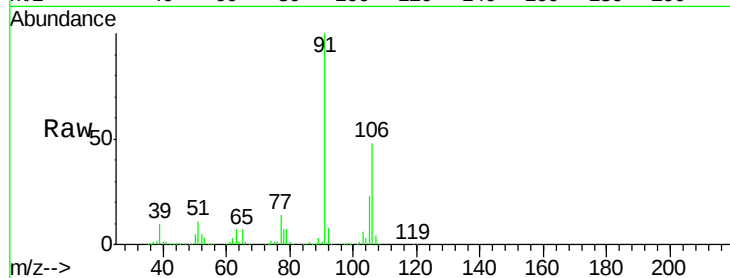
ClientSampled :

Tot Ion:106 Resp: 182083

Ion Ratio Lower Upper

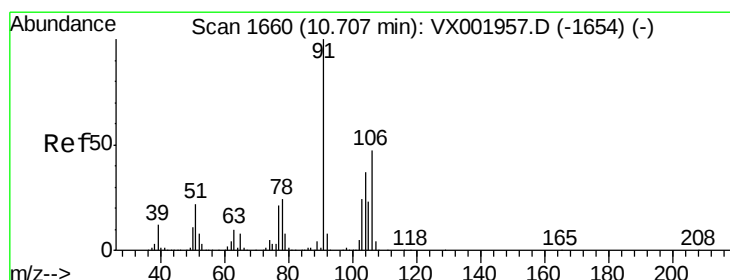
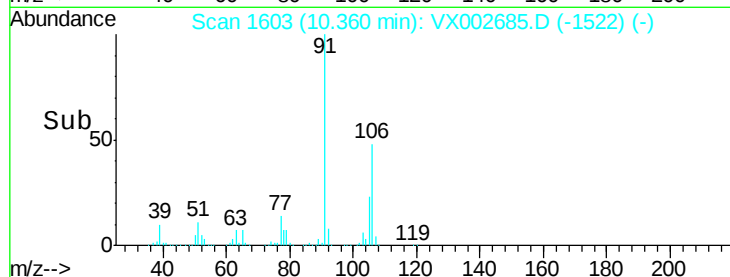
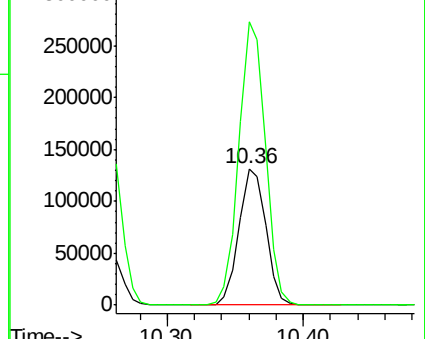
106 100

91 203.9 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.69 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX002685.D

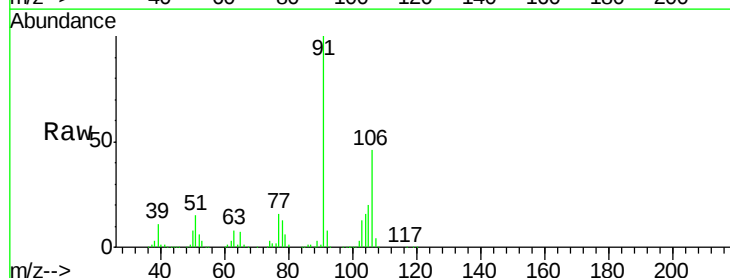
Acq: 18 Jun 2018 17:54

Tgt Ion:106 Resp: 89180

Ion Ratio Lower Upper

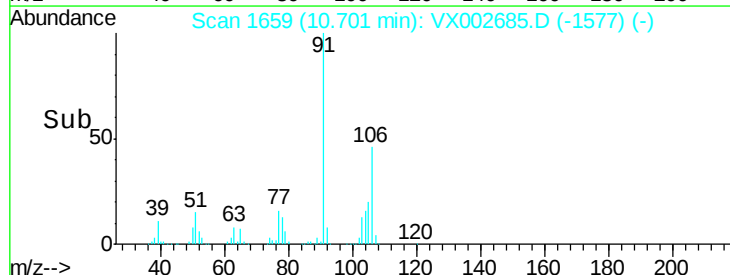
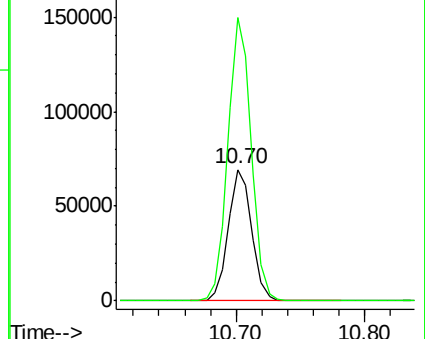
106 100

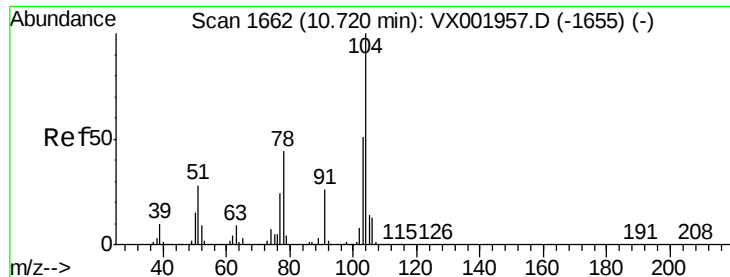
91 214.8 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

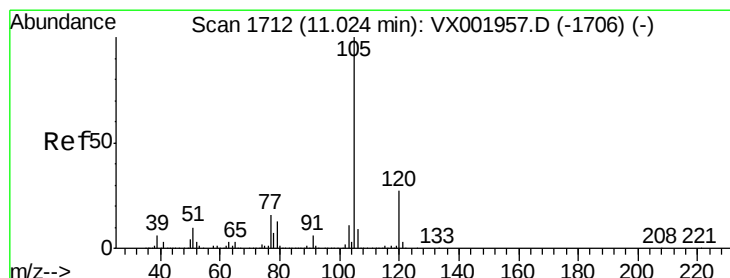
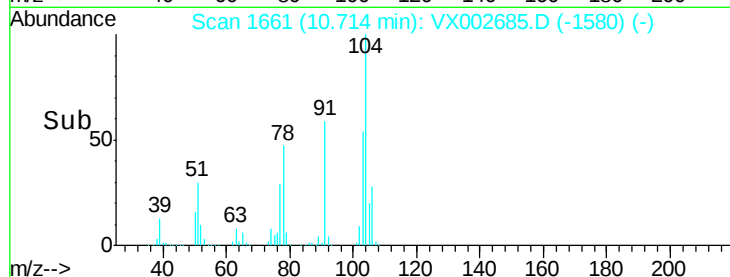
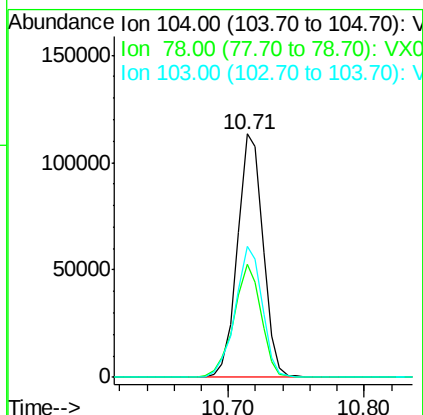
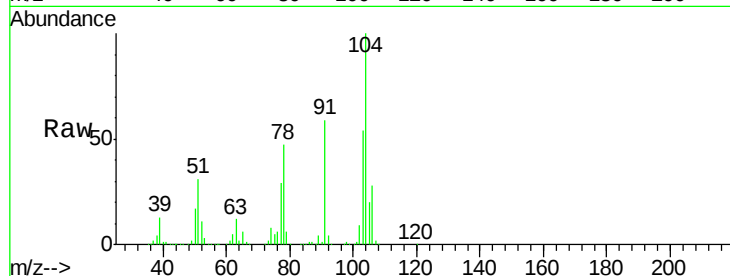




#69
Stvrene
Concen: 19.59 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

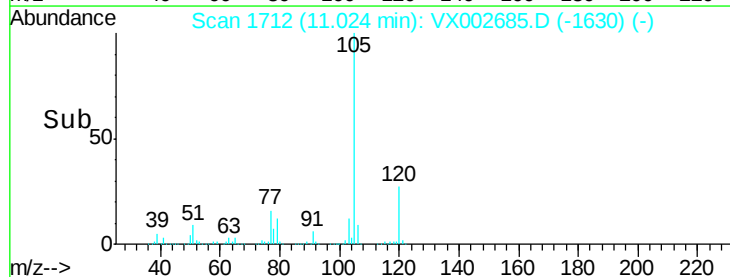
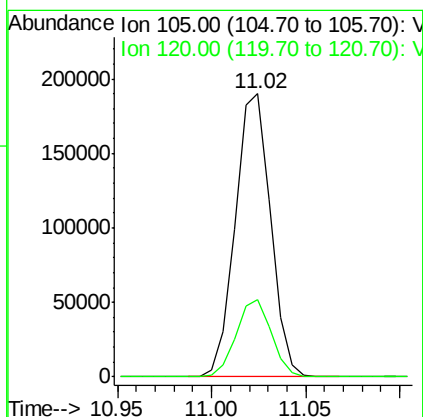
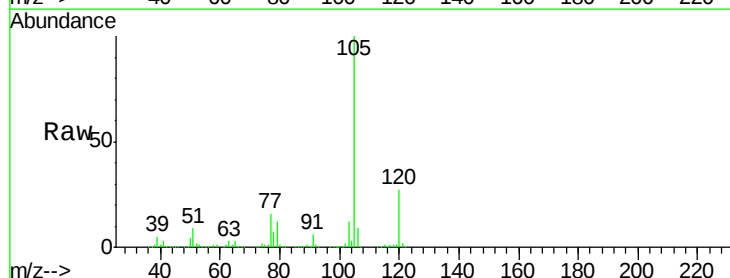
Instrument :
MSVOA_X
ClientSampled :

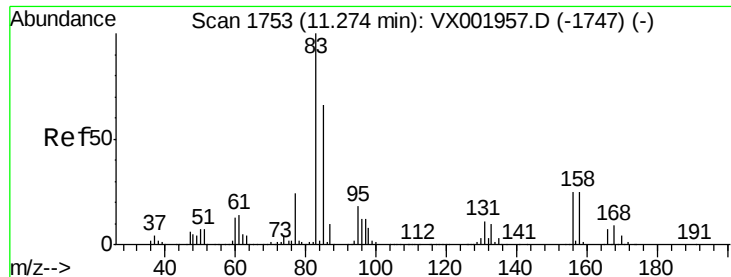
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.9	41.8	62.8
103	56.6	44.9	67.3



#70
Isopropylbenzene
Concen: 19.79 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.0	35.2





#71

1,1,2,2-Tetrachloroethane

Concen: 20.35 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

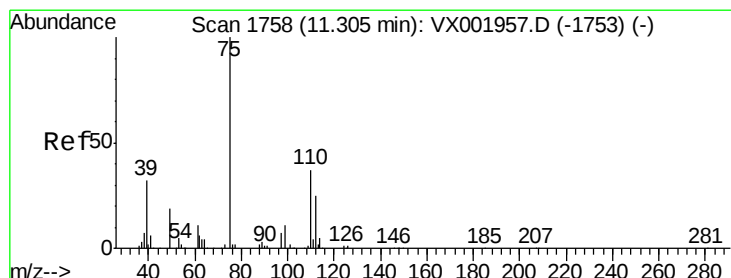
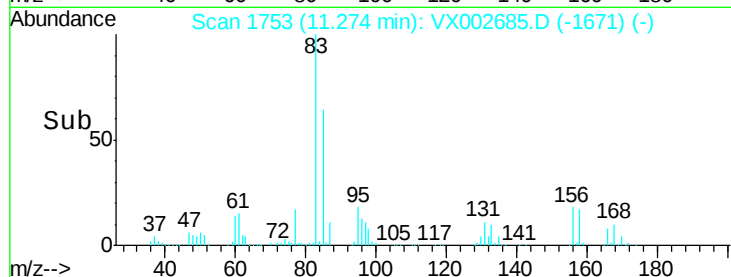
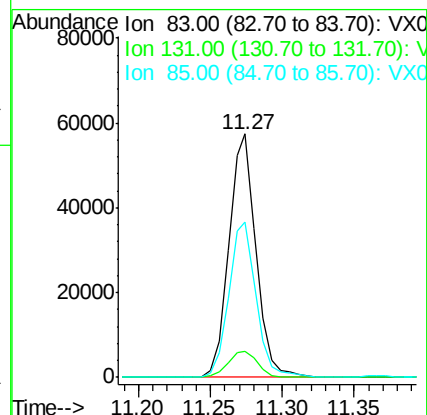
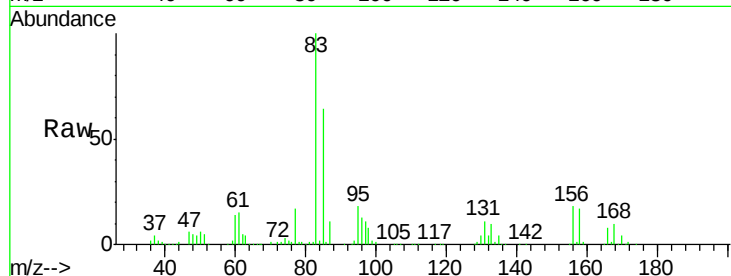
Tot Ion: 83 Resp: 75948

Ion Ratio Lower Upper

83 100

131 11.5 5.4 16.2

85 64.7 32.4 97.2



#72

1,2,3-Trichloropropane

Concen: 27.29 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002685.D

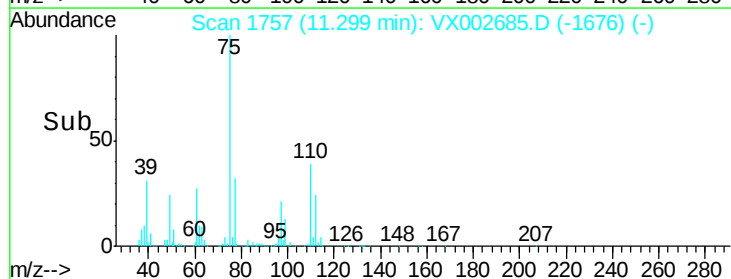
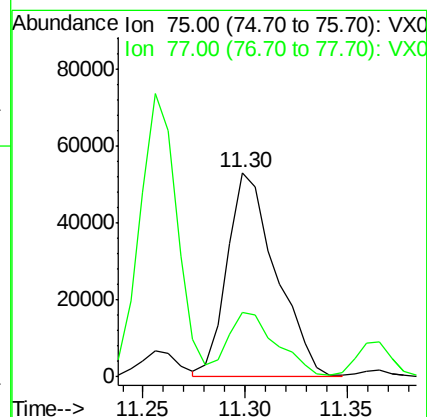
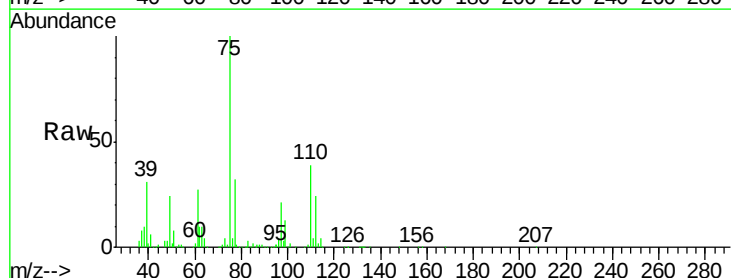
Acq: 18 Jun 2018 17:54

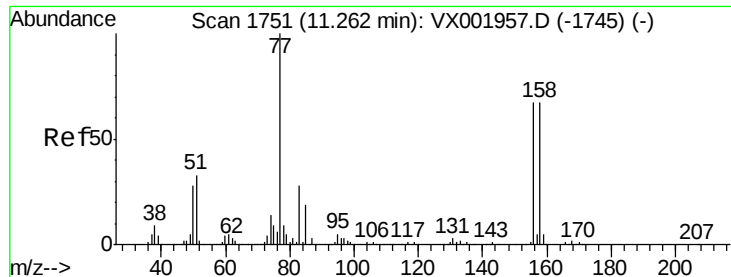
Tgt Ion: 75 Resp: 88288

Ion Ratio Lower Upper

75 100

77 31.7 0.0 71.8





#73

Bromobenzene

Concen: 19.38 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

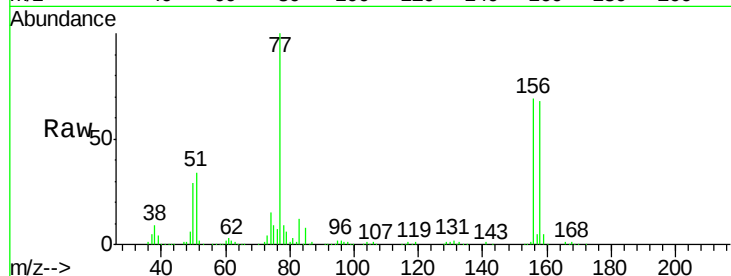
Tot Ion:156 Resp: 67291

Ion Ratio Lower Upper

156 100

77 138.4 0.0 301.0

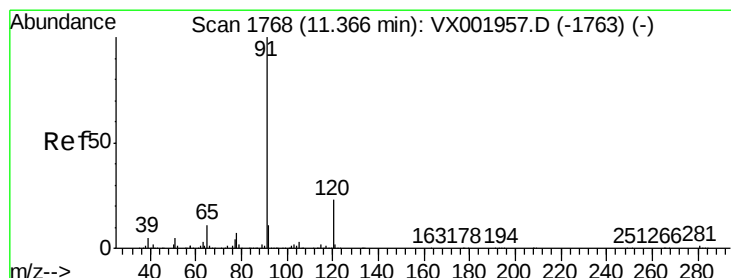
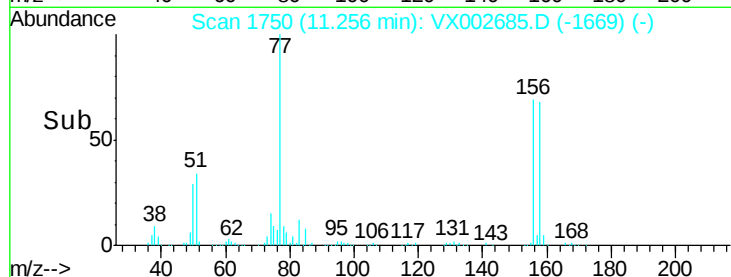
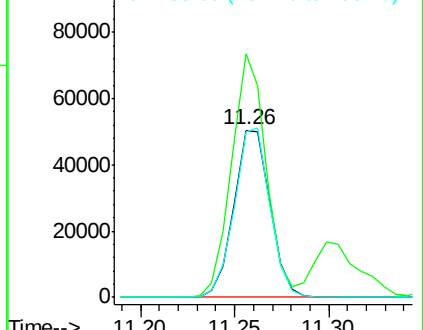
158 99.2 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.40 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002685.D

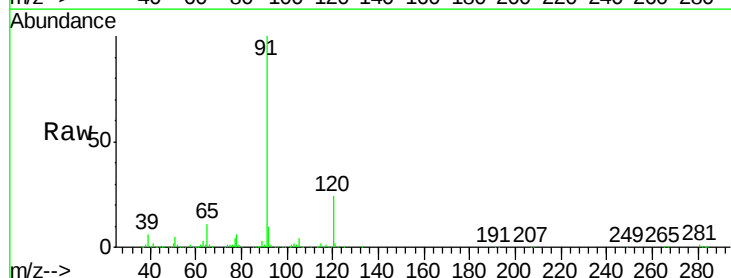
Acq: 18 Jun 2018 17:54

Tgt Ion: 91 Resp: 281258

Ion Ratio Lower Upper

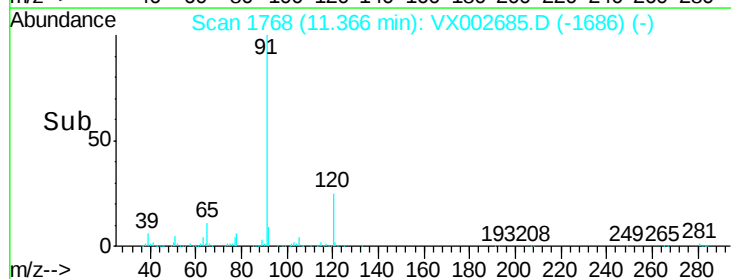
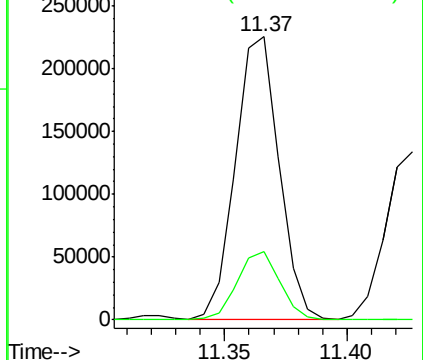
91 100

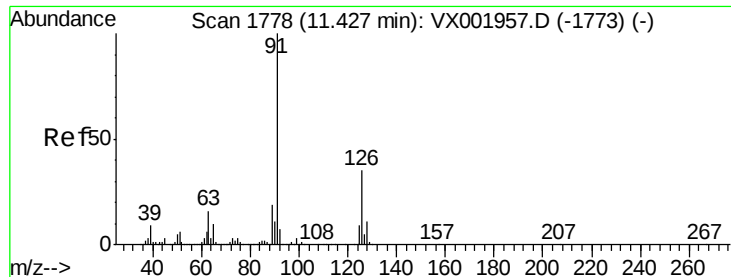
120 23.6 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.72 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

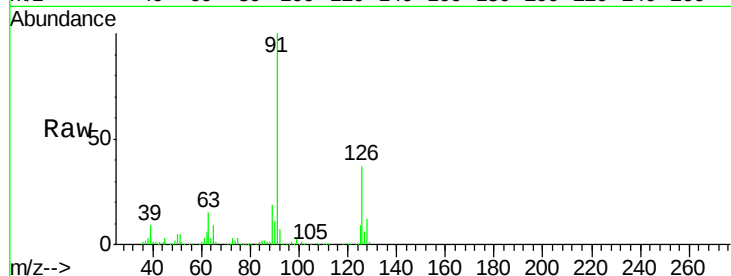
ClientSampled :

Tot Ion: 91 Resp: 166380

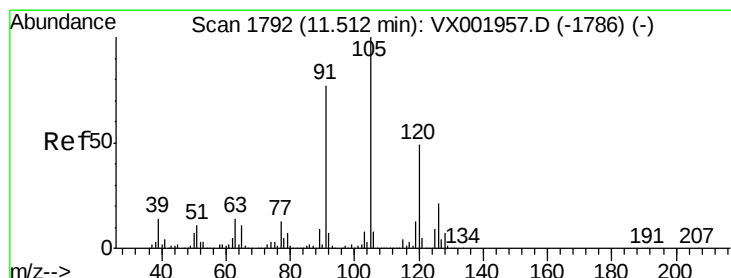
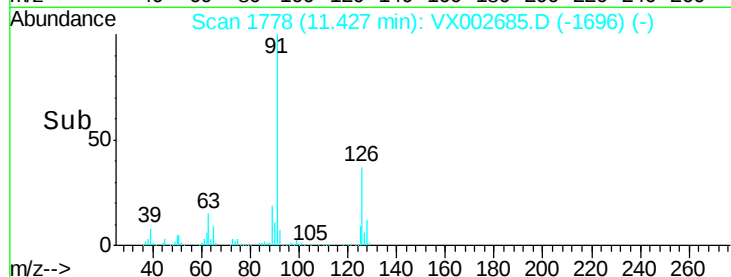
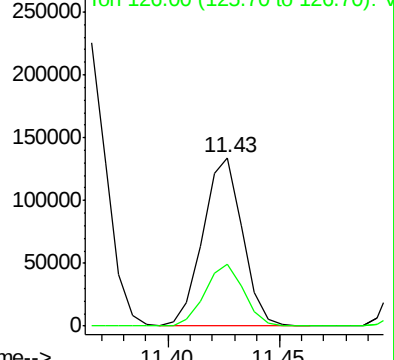
Ion Ratio Lower Upper

91 100

126 36.2 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VX001957.D (-1773) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.49 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002685.D

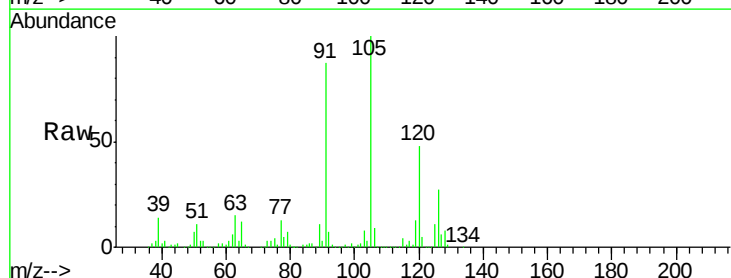
Acq: 18 Jun 2018 17:54

Tgt Ion: 105 Resp: 206671

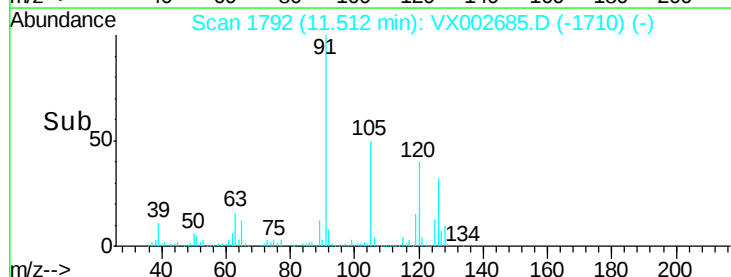
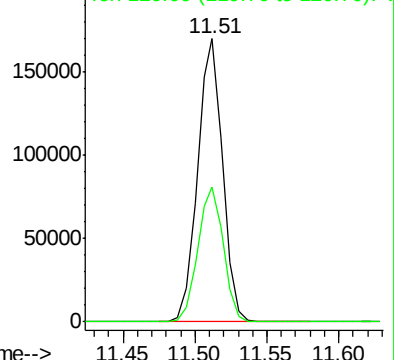
Ion Ratio Lower Upper

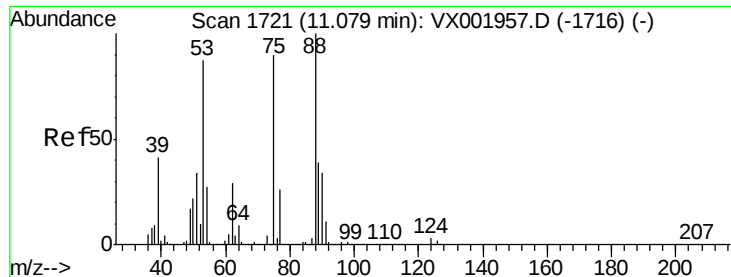
105 100

120 48.8 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX001957.D (-1786) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.38 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

ClientSampled :

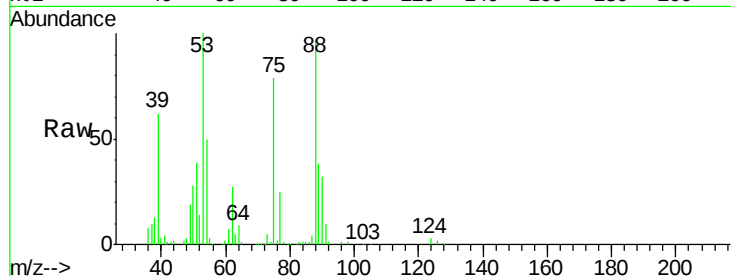
Tot Ion: 75 Resp: 18092

Ion Ratio Lower Upper

75 100

53 126.9 48.3 144.9

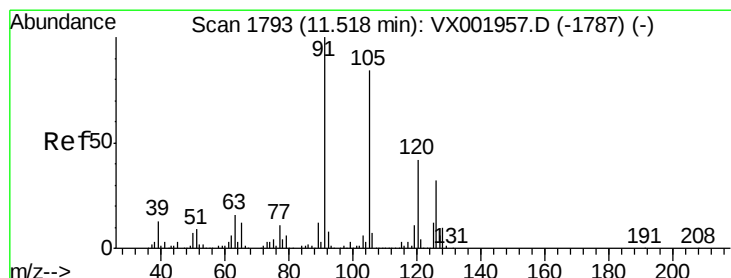
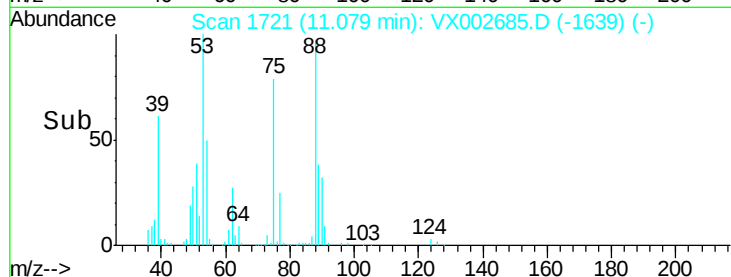
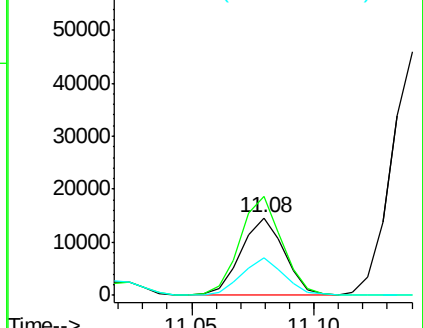
89 47.9 21.8 65.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 19.40 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002685.D

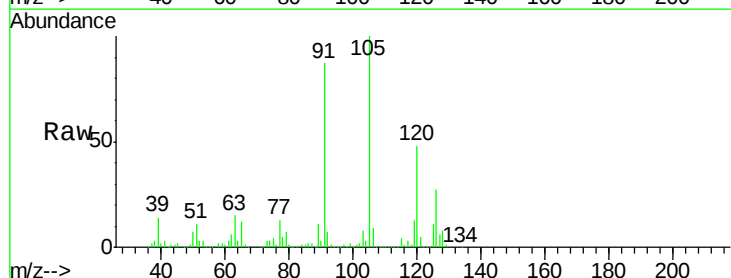
Acq: 18 Jun 2018 17:54

Tgt Ion: 91 Resp: 193883

Ion Ratio Lower Upper

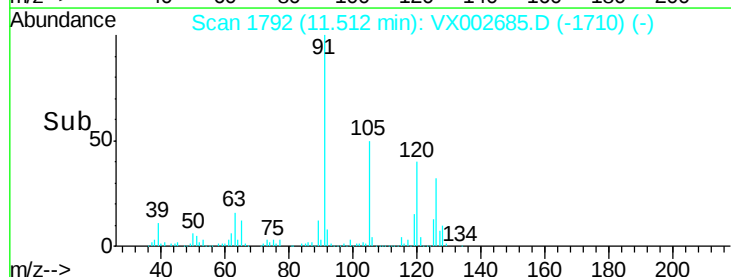
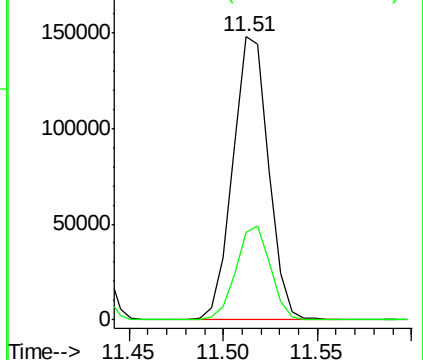
91 100

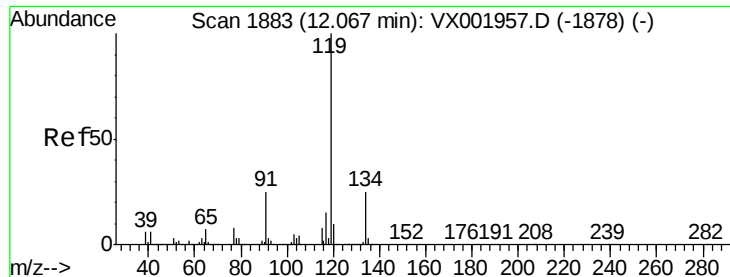
126 31.8 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

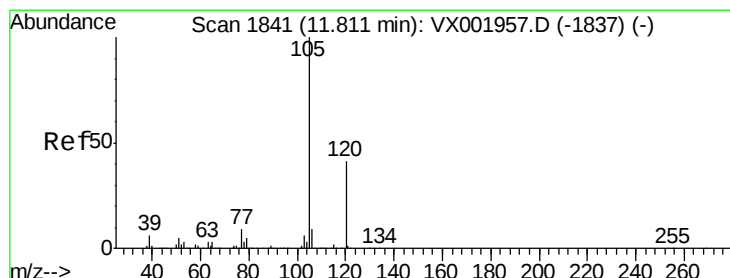
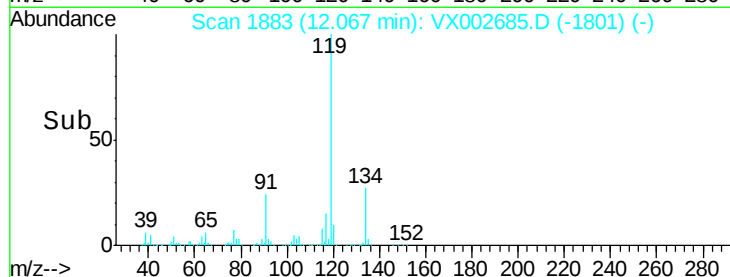
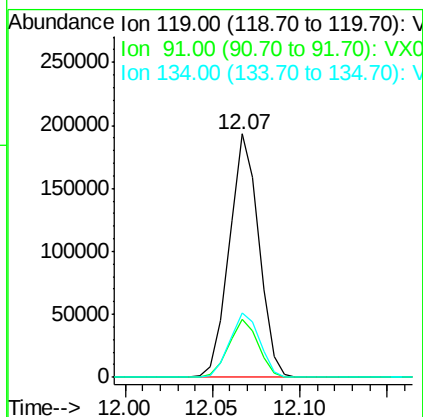
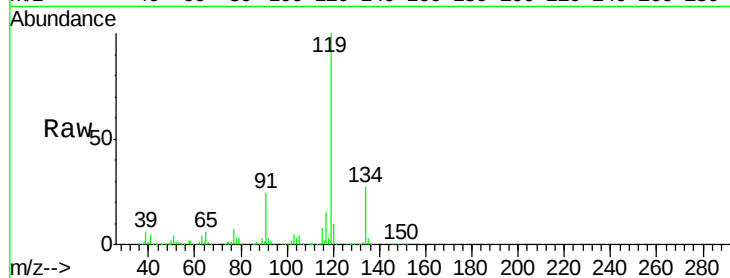




#79
tert-butylbenzene
Concen: 19.38 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

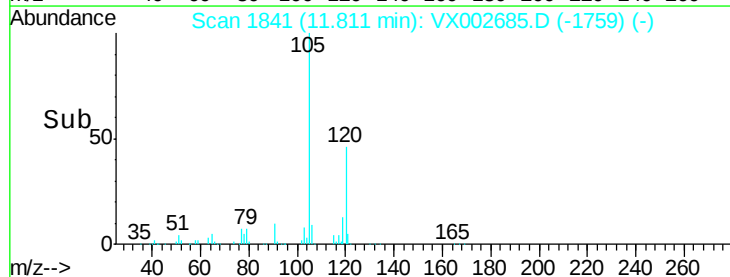
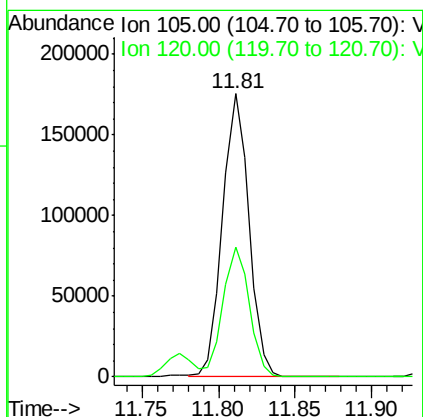
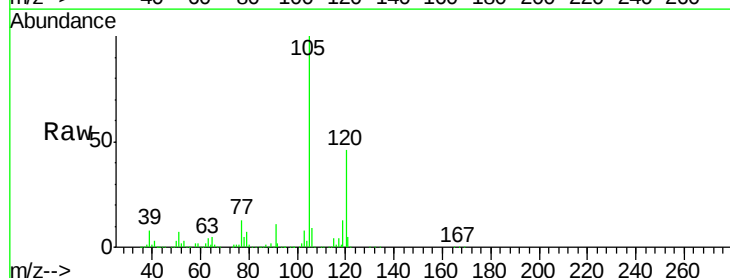
Instrument :
MSVOA_X
ClientSampled :

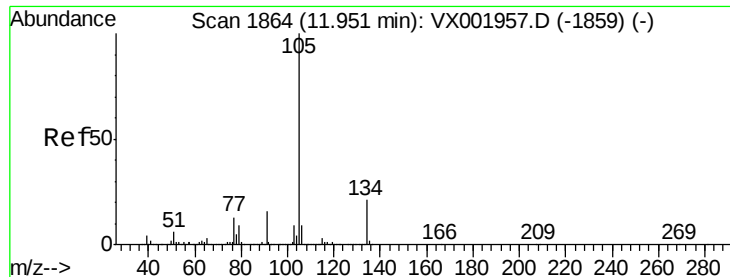
Tot Ion:119 Resp: 226662
Ion Ratio Lower Upper
119 100
91 23.6 0.0 48.0
134 27.1 0.0 52.6



#80
1,2,4-Trimethylbenzene
Concen: 19.37 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Tgt Ion:105 Resp: 209757
Ion Ratio Lower Upper
105 100
120 46.1 0.0 89.2





#81

sec-Butylbenzene

Concen: 19.49 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

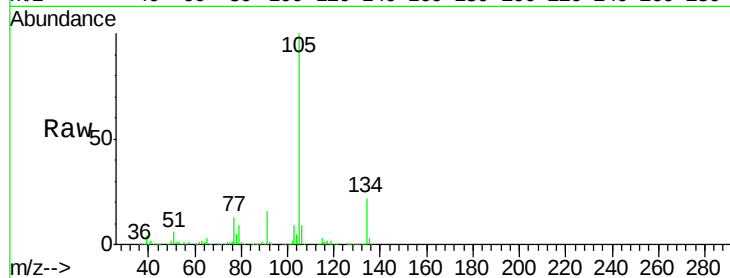
ClientSampleId :

Tot Ion:105 Resp: 252782

Ion Ratio Lower Upper

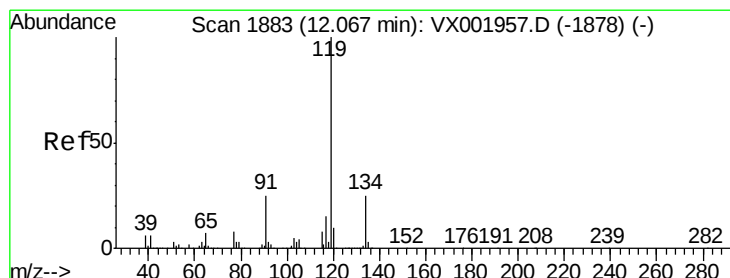
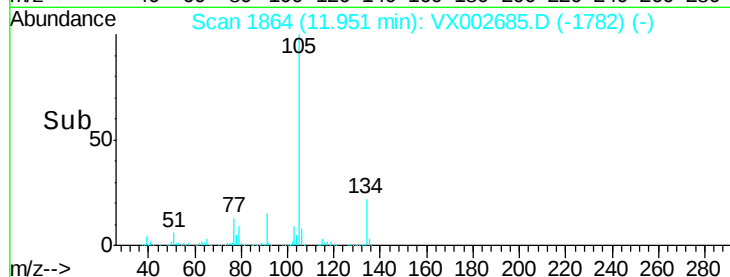
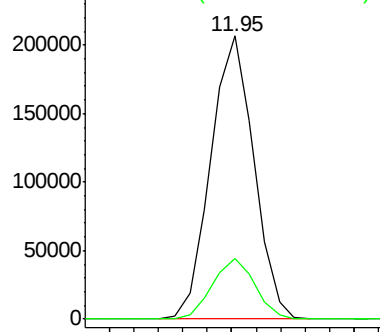
105 100

134 21.3 0.0 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.38 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

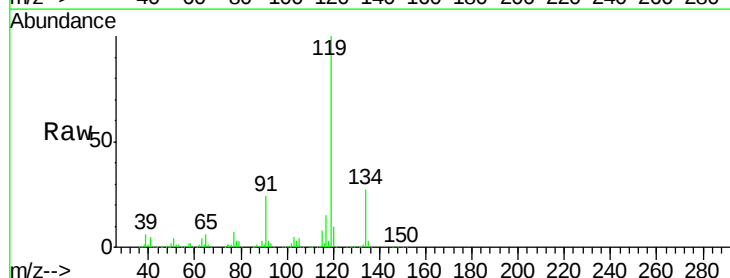
Tgt Ion:119 Resp: 226662

Ion Ratio Lower Upper

119 100

134 27.1 0.0 52.6

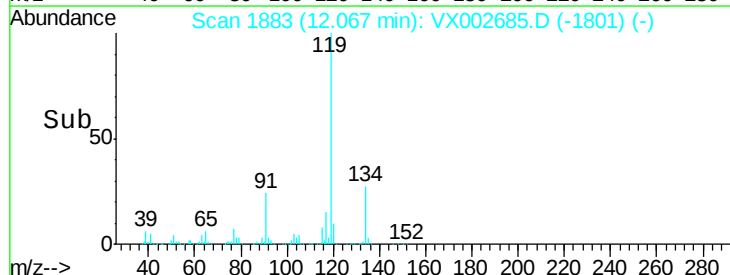
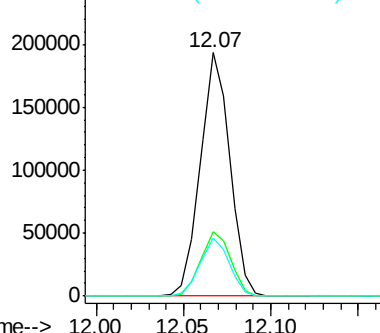
91 23.6 0.0 48.0

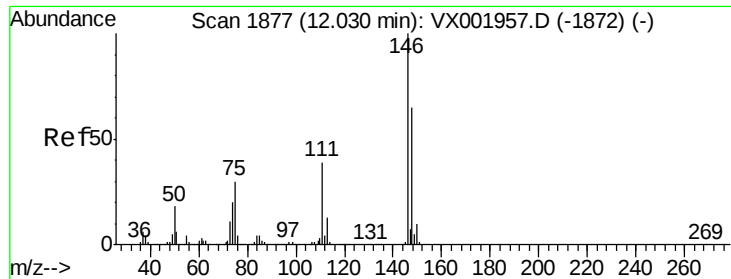


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

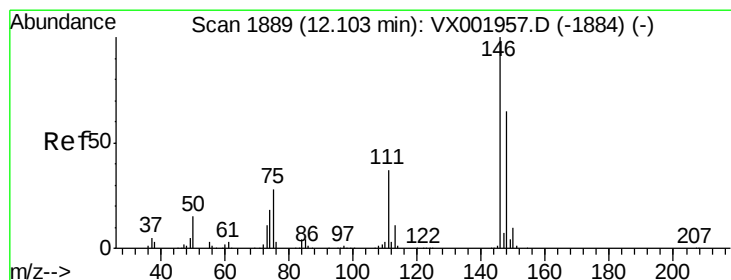
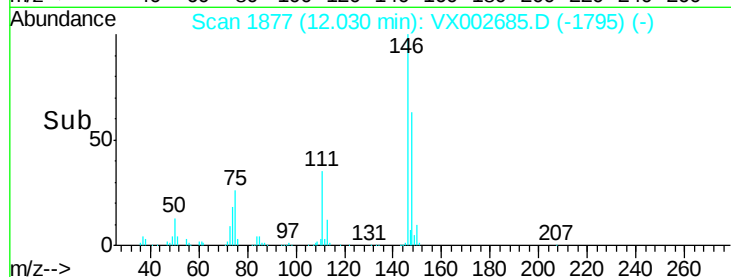
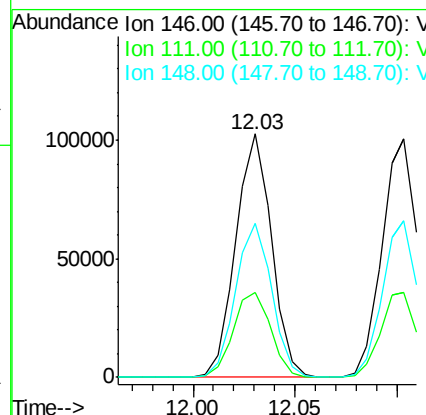
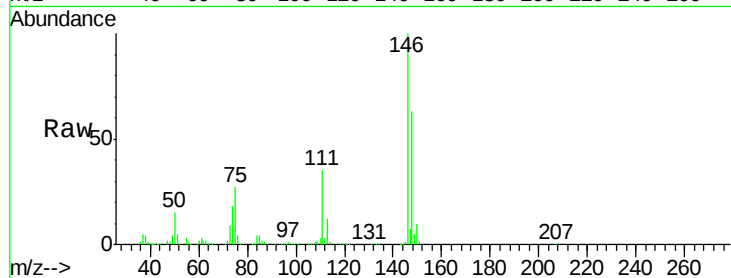




#83
 1,3-Dichlorobenzene
 Concen: 19.46 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002685.D
 Acq: 18 Jun 2018 17:54

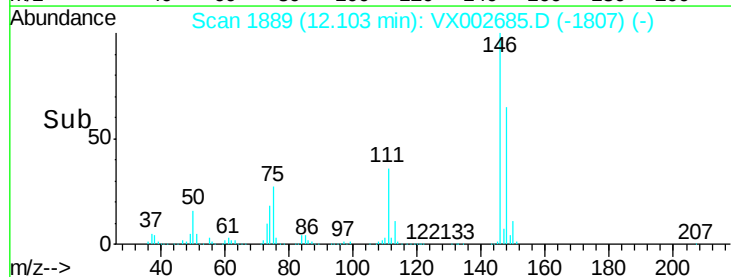
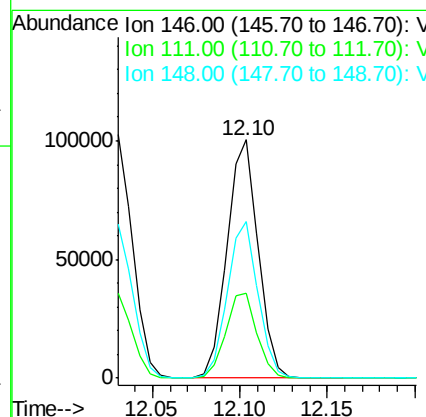
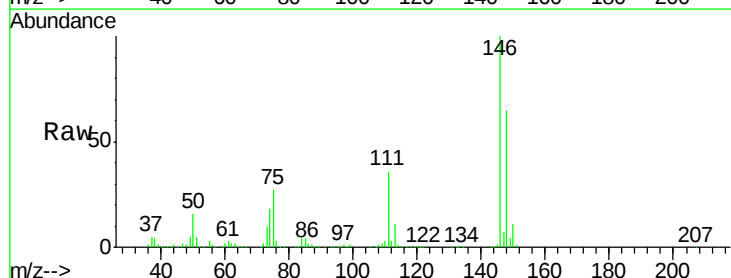
Instrument :
 MSVOA_X
 ClientSampleId :

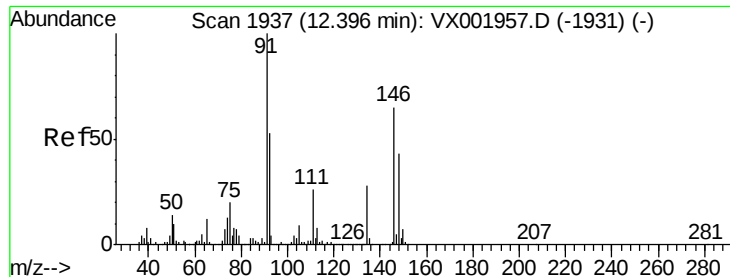
Tot Ion:146 Resp: 124348
 Ion Ratio Lower Upper
 146 100
 111 36.7 19.1 57.5
 148 64.4 31.9 95.7



#84
 1,4-Dichlorobenzene
 Concen: 19.24 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002685.D
 Acq: 18 Jun 2018 17:54

Tgt Ion:146 Resp: 124197
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.5 55.5
 148 64.6 32.0 96.0

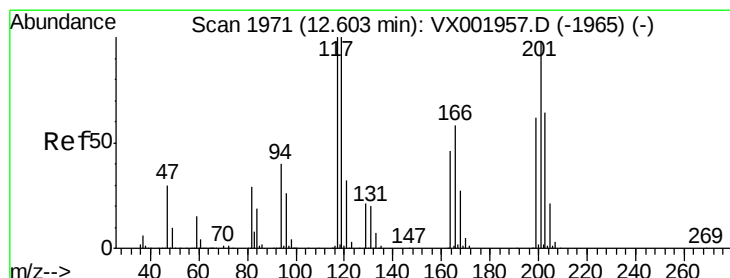
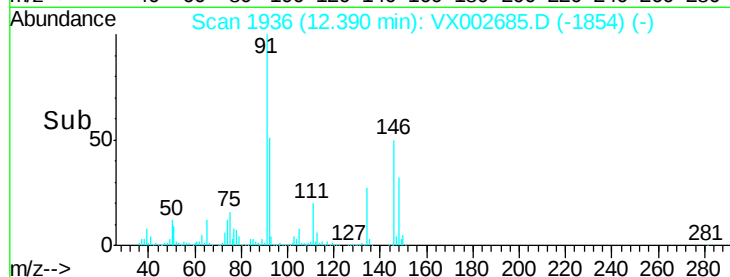
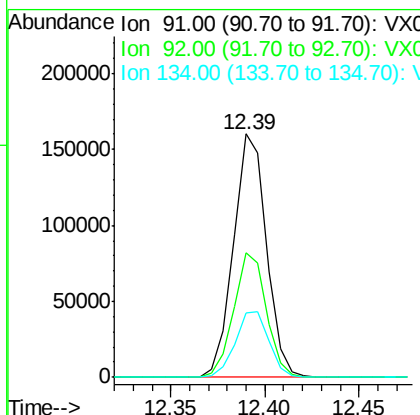
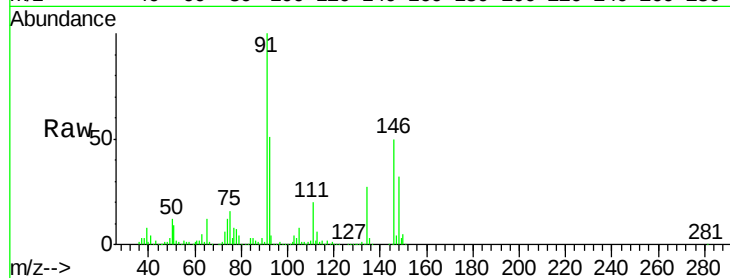




#85
n-Butylbenzene
Concen: 18.69 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

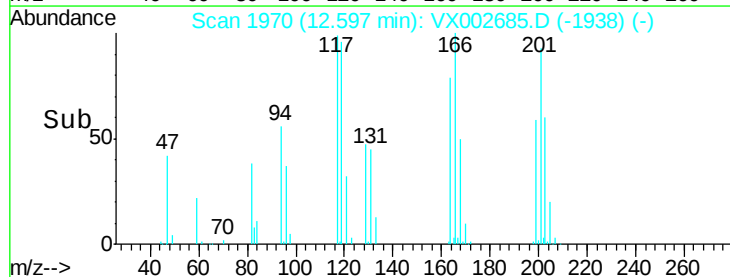
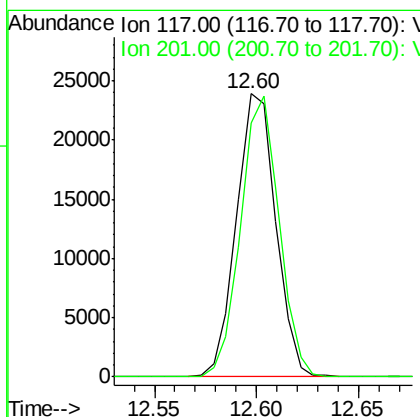
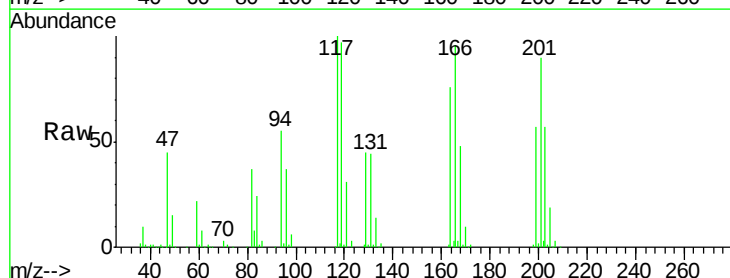
Instrument :
MSVOA_X
ClientSampled :

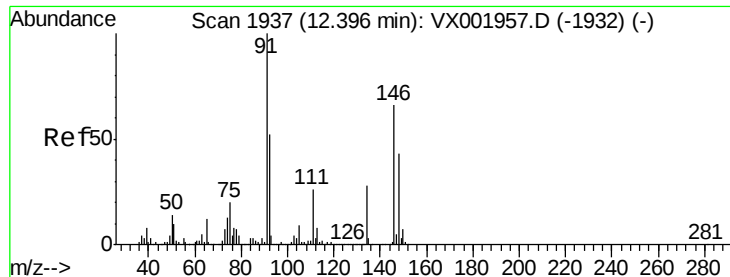
Tot Ion: 91 Resp: 193723
Ion Ratio Lower Upper
91 100
92 51.0 0.0 105.2
134 27.8 0.0 53.2



#86
Hexachloroethane
Concen: 18.04 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002685.D
Acq: 18 Jun 2018 17:54

Tgt Ion: 117 Resp: 31982
Ion Ratio Lower Upper
117 100
201 97.0 47.6 142.8

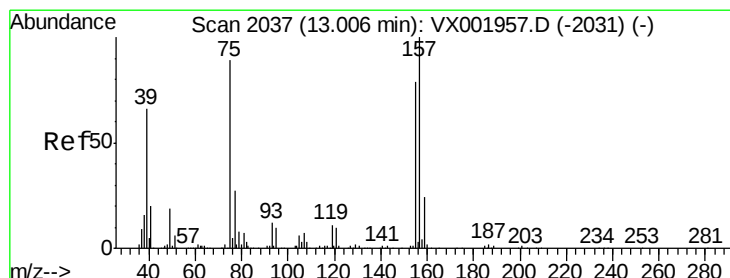
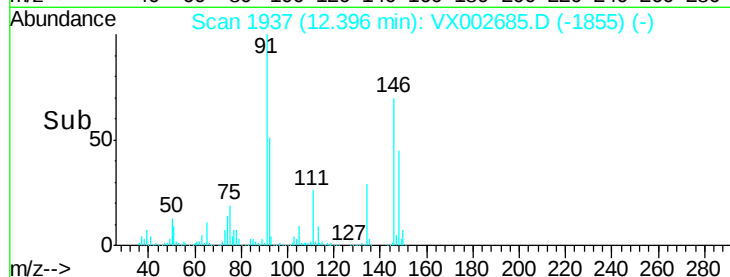
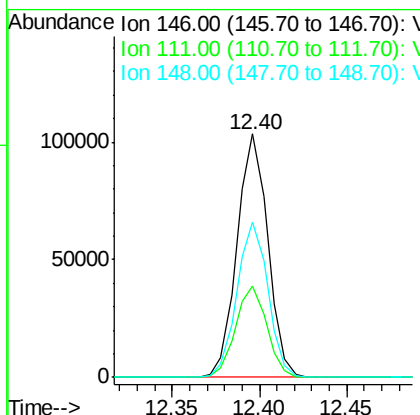
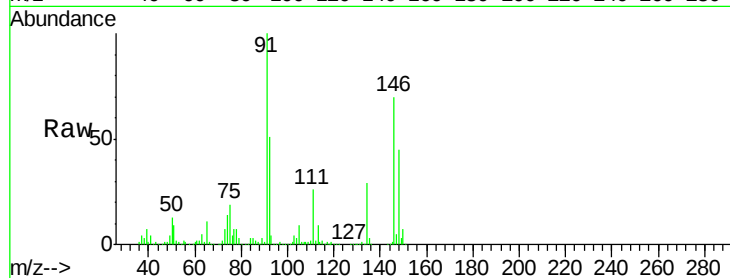




#87
 1,2-Dichlorobenzene
 Concen: 19.62 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002685.D
 Acq: 18 Jun 2018 17:54

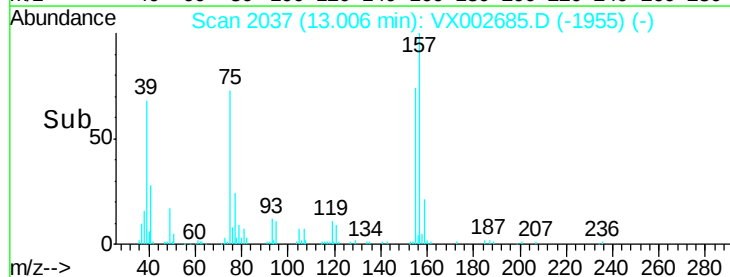
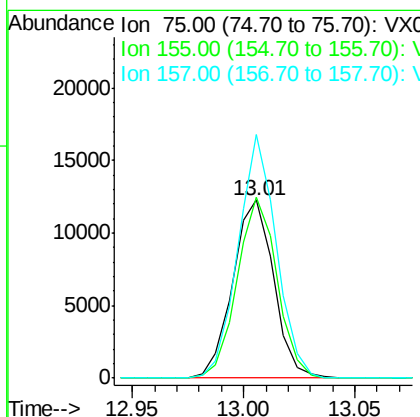
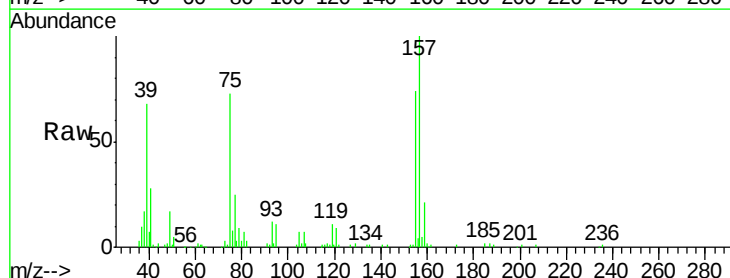
Instrument :
 MSVOA_X
 ClientSampleId :

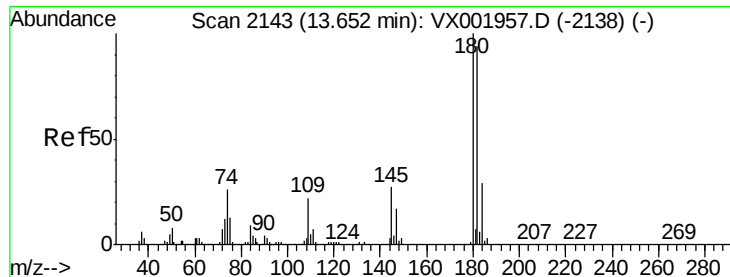
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.0	59.9
148	63.8	32.8	98.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.84 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002685.D
 Acq: 18 Jun 2018 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	73.1	109.7
157	127.7	93.1	139.7

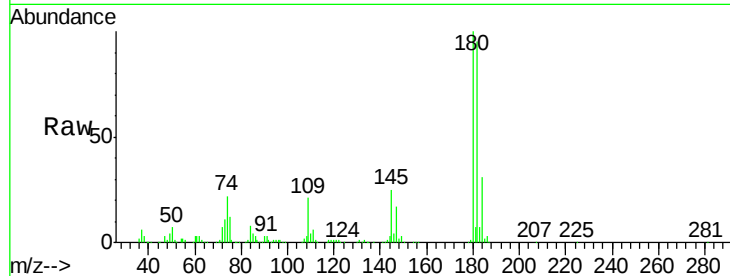




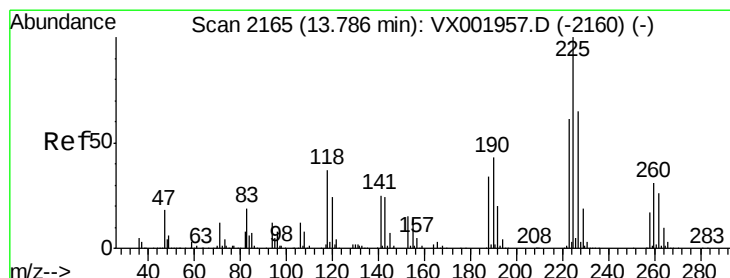
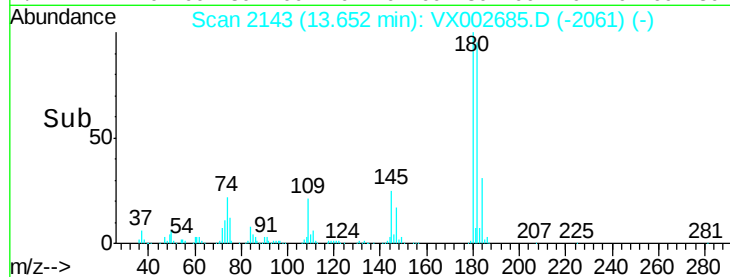
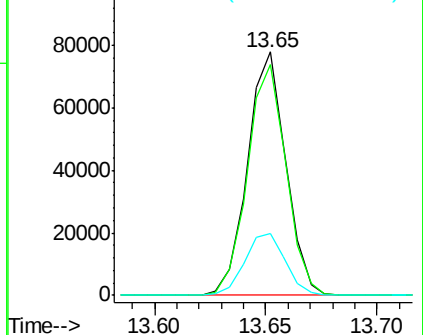
#89
 1,2,4-Trichlorobenzene
 Concen: 19.16 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002685.D
 Acq: 18 Jun 2018 17:54

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 93343
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.4 114.6
 145 27.1 22.9 34.3

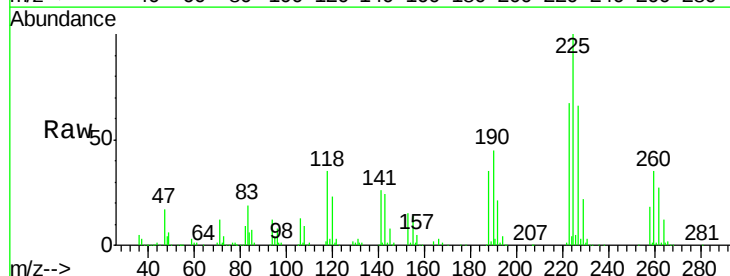


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

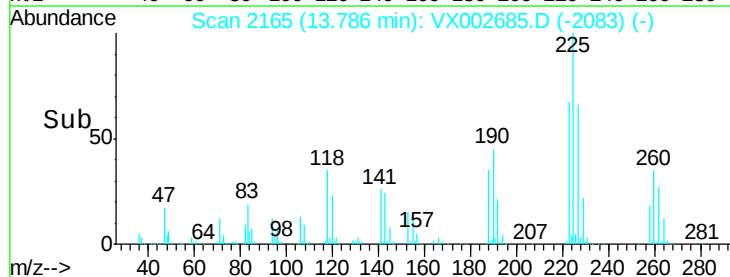
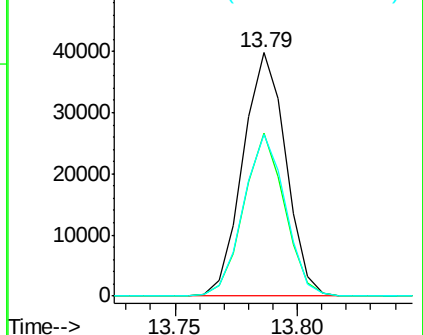


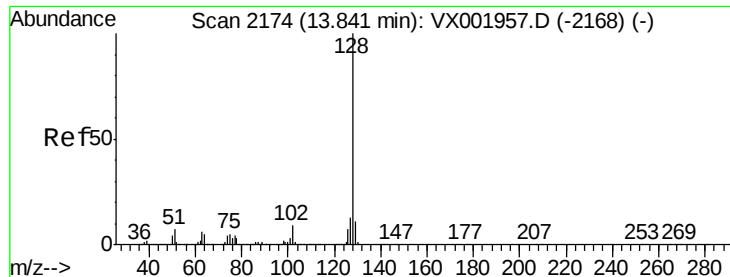
#90
 Hexachlorobutadiene
 Concen: 19.22 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002685.D
 Acq: 18 Jun 2018 17:54

Tgt Ion:225 Resp: 48750
 Ion Ratio Lower Upper
 225 100
 223 63.7 0.0 122.4
 227 65.0 0.0 128.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 19.92 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

Instrument :

MSVOA_X

ClientSampled :

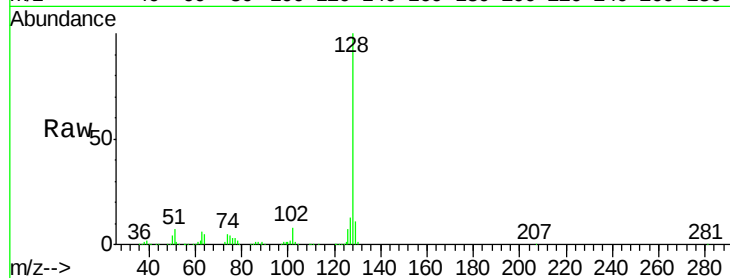
Tot Ion:128 Resp: 257158

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

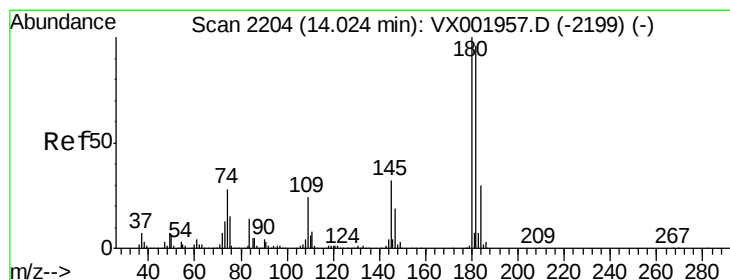
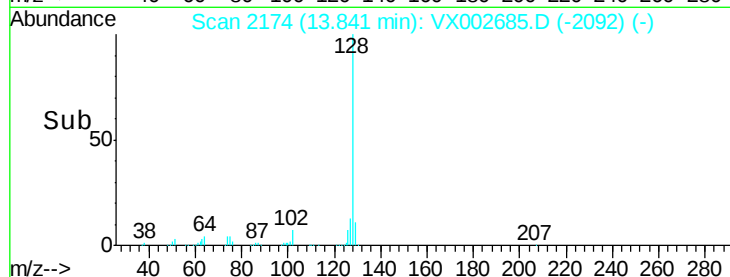
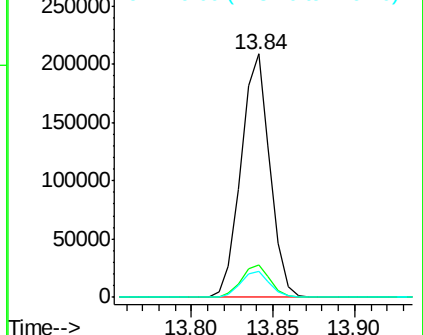
129 11.0 8.9 13.3



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



#92

1,2,3-Trichlorobenzene

Concen: 19.65 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002685.D

Acq: 18 Jun 2018 17:54

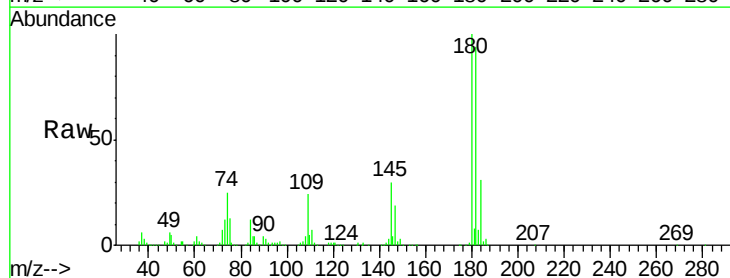
Tgt Ion:180 Resp: 95245

Ion Ratio Lower Upper

180 100

182 95.6 0.0 191.0

145 29.9 0.0 60.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

