

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003191.D
 Acq On : 06 Jul 2018 00:34
 Operator : JC/MD
 Sample : VX0705WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 06 03:27:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	347971	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203925	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	151941	44.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.04%	
35) Dibromofluoromethane	5.51	113	128567	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
50) Toluene-d8	8.72	98	446863	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	
62) 4-Bromofluorobenzene	11.14	95	171124	44.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	49370	21.98	ug/l	98
3) Chloromethane	1.32	50	51590	21.61	ug/l	100
4) Vinyl Chloride	1.40	62	58563	20.74	ug/l	95
5) Bromomethane	1.64	94	23721	16.15	ug/l	98
6) Chloroethane	1.72	64	36826	21.00	ug/l	97
7) Trichlorofluoromethane	1.93	101	92350	19.39	ug/l	98
8) Diethyl Ether	2.19	74	35109	20.27	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	53334	19.32	ug/l	96
10) Methyl Iodide	2.51	142	45118	20.34	ug/l	96
11) Tert butyl alcohol	3.07	59	71123	103.44	ug/l	98
12) 1,1-Dichloroethene	2.37	96	48960	19.88	ug/l	94
13) Acrolein	2.29	56	24200	66.64	ug/l	99
14) Allyl chloride	2.73	41	92747	19.11	ug/l	94
15) Acrylonitrile	3.15	53	153952	104.83	ug/l	99
16) Acetone	2.45	43	143896	100.67	ug/l	99
17) Carbon Disulfide	2.57	76	127128	19.37	ug/l	100
18) Methyl Acetate	2.78	43	77765	19.46	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	175627	19.84	ug/l	100
20) Methylene Chloride	2.86	84	62260	22.38	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	53974	20.12	ug/l	90
22) Diisopropyl ether	3.88	45	188148	20.28	ug/l	98
23) Vinyl Acetate	3.83	43	775589	98.70	ug/l	98
24) 1,1-Dichloroethane	3.70	63	100423	19.91	ug/l	99
25) 2-Butanone	4.71	43	231542	109.15	ug/l	97
26) 2,2-Dichloropropane	4.59	77	48034	11.71	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	62677	20.84	ug/l	97
28) Bromochloromethane	5.02	49	47796	19.80	ug/l	90
29) Tetrahydrofuran	5.17	42	148616	109.25	ug/l	97
30) Chloroform	5.22	83	106876	20.65	ug/l	96
31) Cyclohexane	5.58	56	88127	20.36	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	94717	20.80	ug/l	98
36) 1,1-Dichloropropene	5.80	75	75383	19.75	ug/l	97
37) Ethyl Acetate	4.87	43	89097	21.69	ug/l	99
38) Carbon Tetrachloride	5.79	117	83721	19.99	ug/l	99

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Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 06 03:27:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	85738	19.29	ug/l	96
40) Benzene	6.15	78	233504	21.06	ug/l	97
41) Methacrylonitrile	5.07	41	50279	21.25	ug/l	98
42) 1,2-Dichloroethane	6.20	62	89192	19.91	ug/l	98
43) Isopropyl Acetate	6.48	43	138489	20.10	ug/l	97
44) Trichloroethene	7.22	130	70047	21.19	ug/l	97
45) 1,2-Dichloropropane	7.52	63	61086	20.77	ug/l	99
46) Dibromomethane	7.67	93	41317	20.24	ug/l	94
47) Bromodichloromethane	7.90	83	76445	20.26	ug/l	97
48) Methyl methacrylate	7.78	41	71134	20.03	ug/l	94
49) 1,4-Dioxane	7.76	88	30816	446.11	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	457512	106.12	ug/l	98
52) Toluene	8.79	92	148123	20.85	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	81657	19.11	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	73892	17.97	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	61604	21.11	ug/l	98
56) Ethyl methacrylate	9.18	69	87588	20.53	ug/l	94
57) 1,3-Dichloropropane	9.38	76	100431	20.95	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	188017	91.36	ug/l	98
59) 2-Hexanone	9.50	43	348423	106.34	ug/l	97
60) Dibromochloromethane	9.59	129	62438	20.32	ug/l	99
61) 1,2-Dibromoethane	9.68	107	65241	21.31	ug/l	99
64) Tetrachloroethene	9.34	164	85749	23.36	ug/l	98
65) Chlorobenzene	10.14	112	170633	20.35	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	63956	20.99	ug/l	98
67) Ethyl Benzene	10.26	91	278590	20.11	ug/l	99
68) m/p-Xylenes	10.36	106	217746	40.78	ug/l	98
69) o-Xylene	10.70	106	106236	20.43	ug/l	98
70) Styrene	10.71	104	177856	21.05	ug/l	98
71) Bromoform	10.86	173	48846	20.26	ug/l	99
73) Isopropylbenzene	11.02	105	289494	21.10	ug/l	99
74) N-amyl acetate	6.48	43	138489	20.63	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	89212	21.11	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	97396	26.37	ug/l	80
77) Bromobenzene	11.26	156	82243	21.05	ug/l	96
78) n-propylbenzene	11.37	91	319433	20.46	ug/l	98
79) 2-Chlorotoluene	11.43	91	195324	20.66	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	239230	20.70	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	18482	16.90	ug/l	98
82) 4-Chlorotoluene	11.51	91	226128	20.20	ug/l	98
83) tert-Butylbenzene	11.77	119	232416	20.41	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	247086	20.64	ug/l	98
85) sec-Butylbenzene	11.95	105	284046	20.56	ug/l	100
86) p-Isopropyltoluene	12.07	119	255332	20.56	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	145868	20.44	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	148391	20.21	ug/l	100
89) n-Butylbenzene	12.39	91	204878	18.95	ug/l	99
90) Hexachloroethane	12.60	117	35781	19.37	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	148881	20.67	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19702	20.74	ug/l	96

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 31 Sample Multiplier: 1

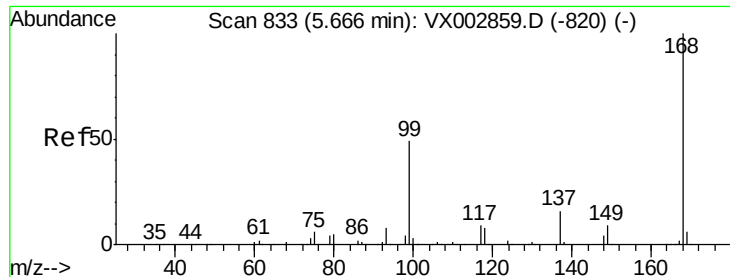
Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 06 03:27:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	112579	21.48	ug/l	98
94) Hexachlorobutadiene	13.79	225	55379	21.18	ug/l	100
95) Naphthalene	13.84	128	320777	22.98	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	117635	22.47	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

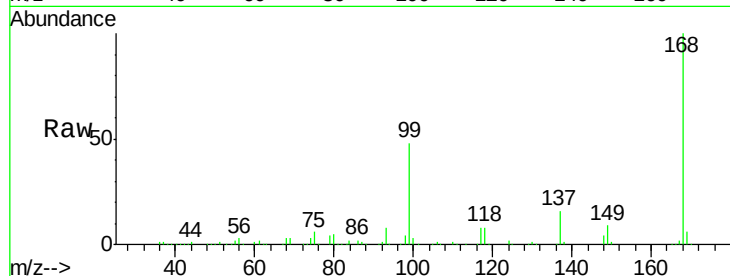
ClientSampleId :

Tot Ion:168 Resp: 249713

Ion Ratio Lower Upper

168 100

99 47.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

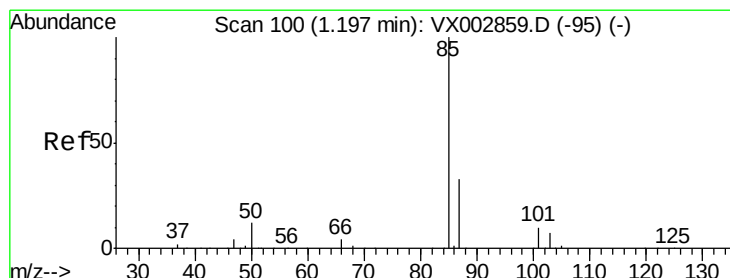
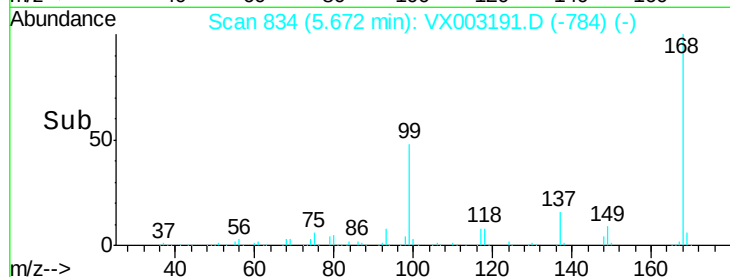
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.98 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003191.D

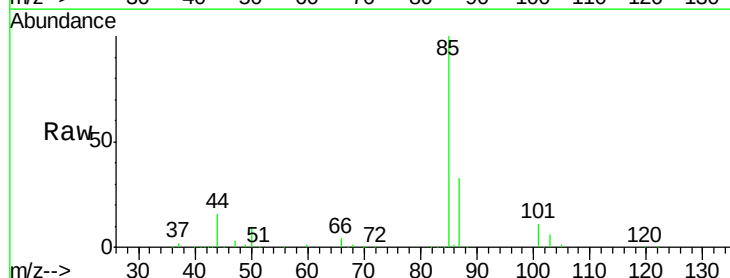
Acq: 06 Jul 2018 00:34

Tgt Ion: 85 Resp: 49370

Ion Ratio Lower Upper

85 100

87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

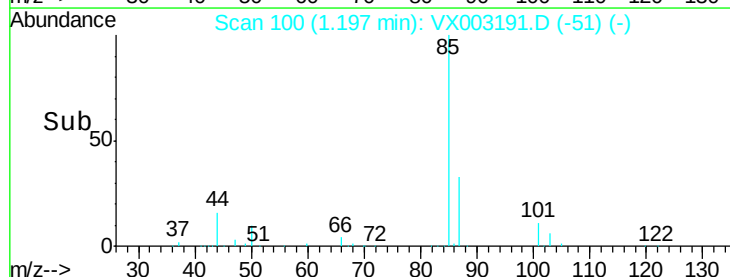
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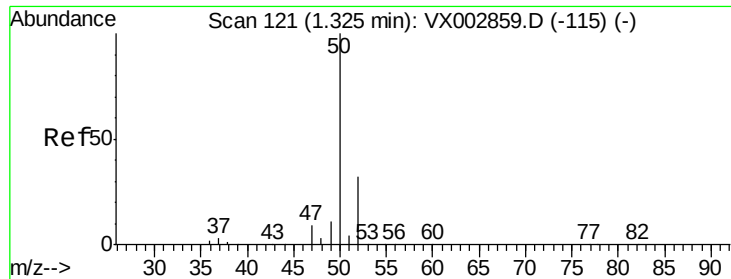
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 21.61 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

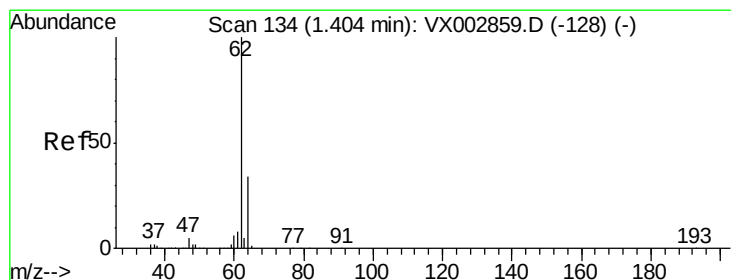
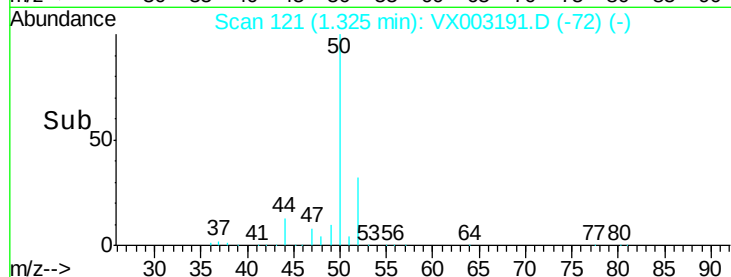
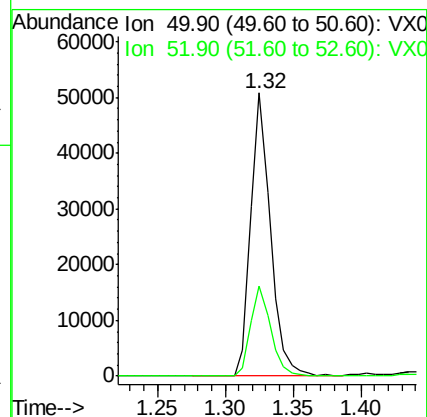
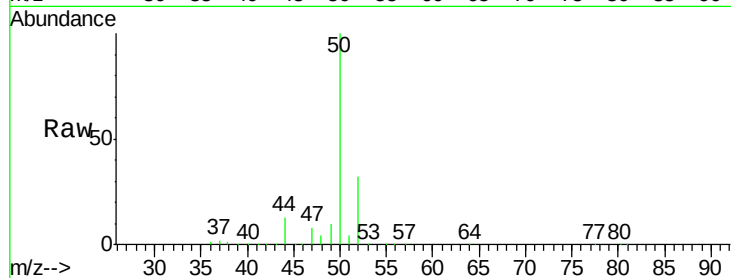
ClientSampled :

Tot Ion: 50 Resp: 51590

Ion Ratio Lower Upper

50 100

52 31.9 25.7 38.5



#4

Vinyl Chloride

Concen: 20.74 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003191.D

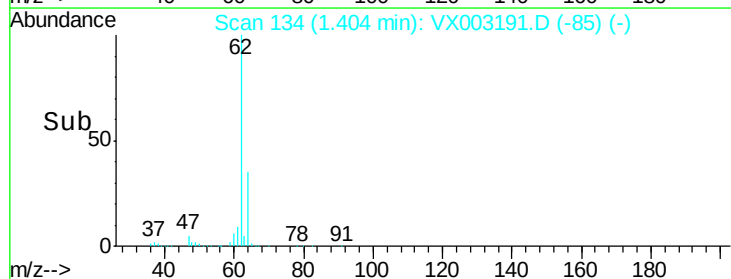
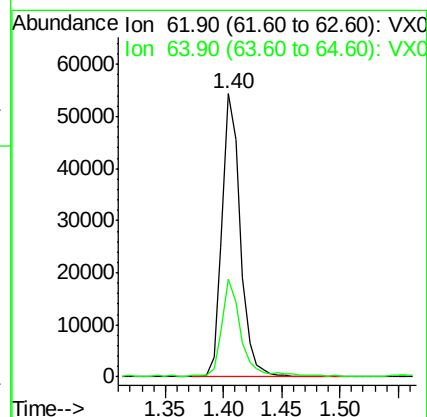
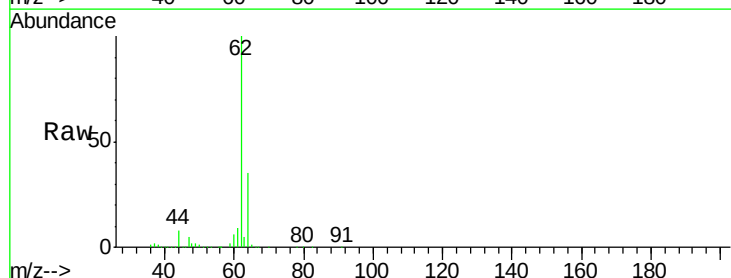
Acq: 06 Jul 2018 00:34

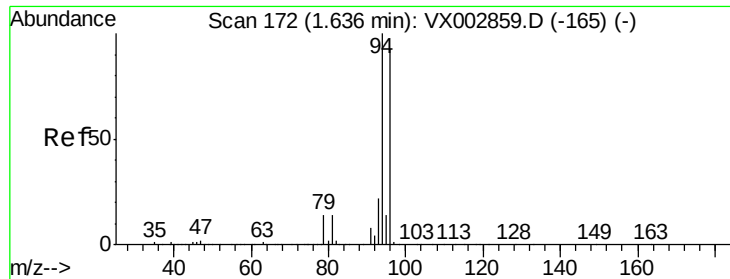
Tgt Ion: 62 Resp: 58563

Ion Ratio Lower Upper

62 100

64 34.4 25.4 38.2





#5

Bromomethane

Concen: 16.15 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

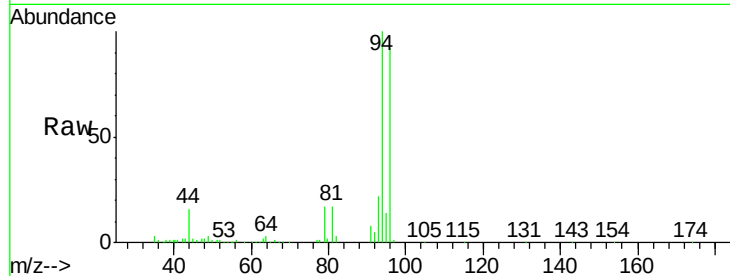
ClientSampleId :

Tot Ion: 94 Resp: 23721

Ion Ratio Lower Upper

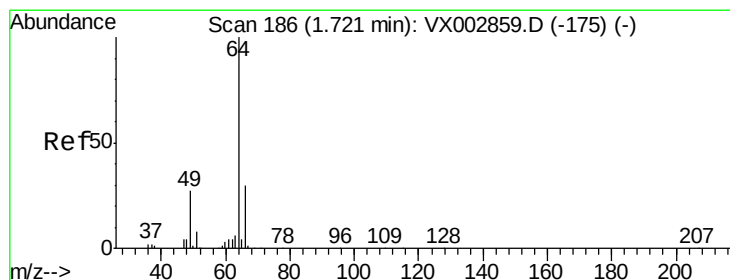
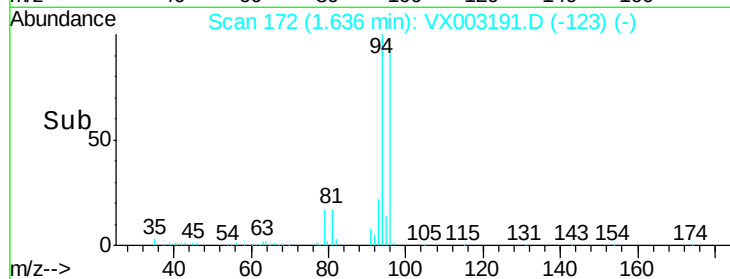
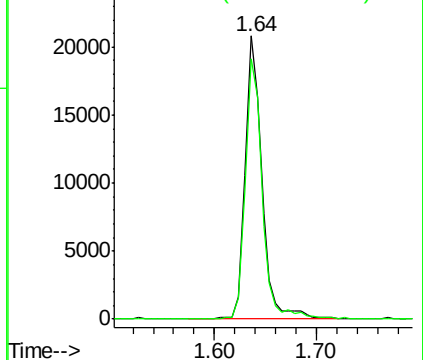
94 100

96 91.8 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.00 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003191.D

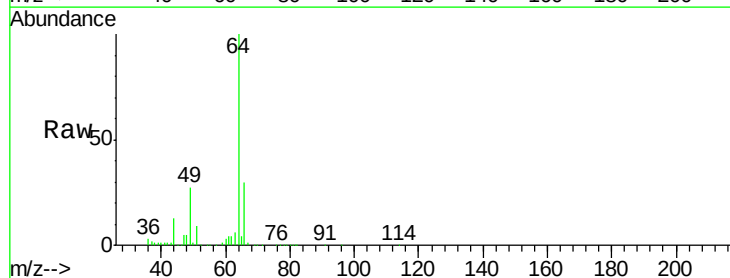
Acq: 06 Jul 2018 00:34

Tgt Ion: 64 Resp: 36826

Ion Ratio Lower Upper

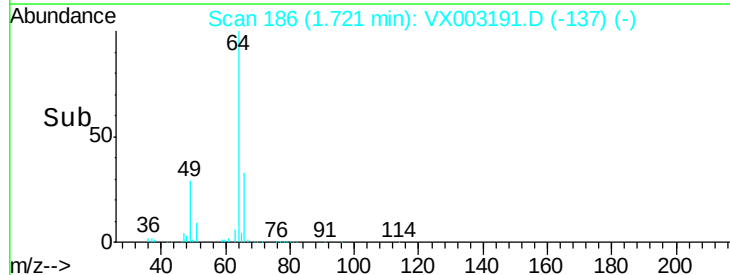
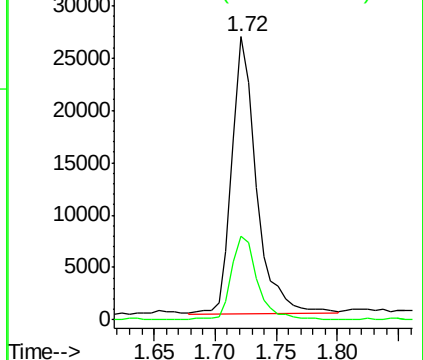
64 100

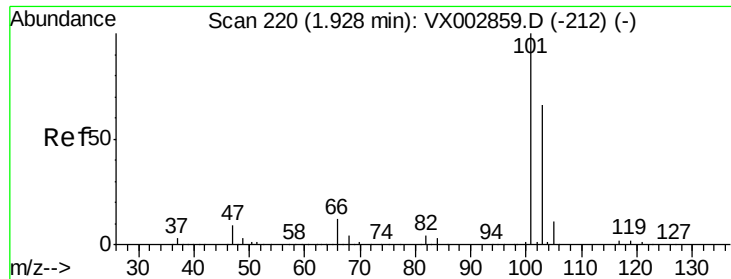
66 30.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



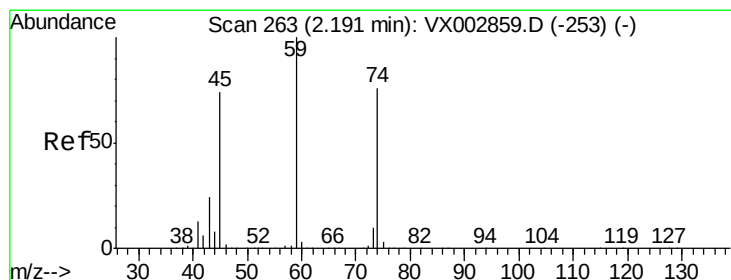
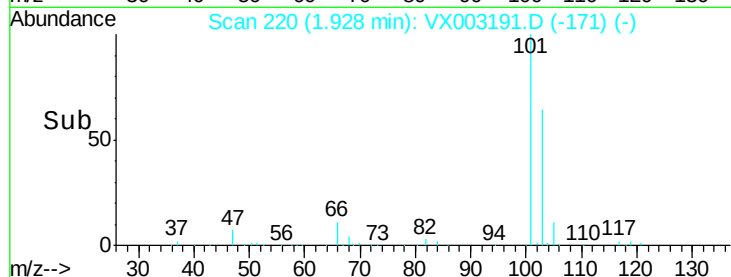
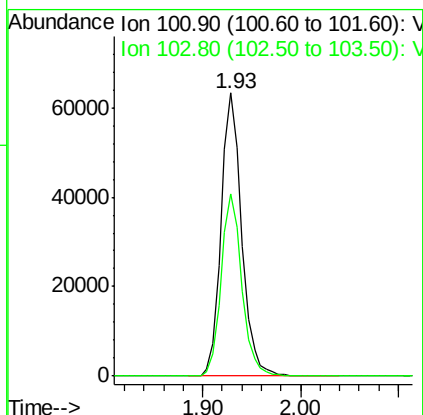
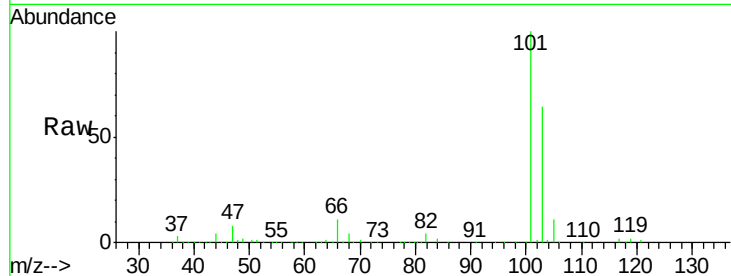


#7

Trichlorofluoromethane
Concen: 19.39 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Instrument :
MSVOA_X
ClientSampleId :

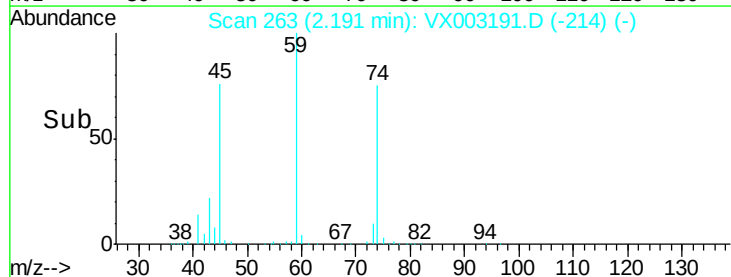
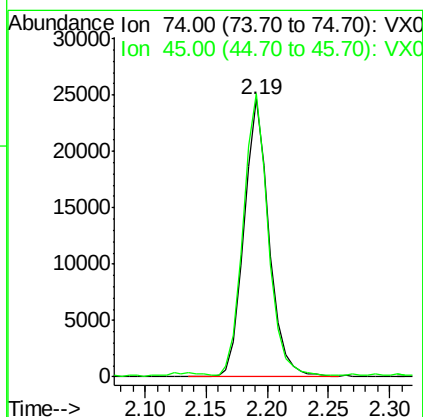
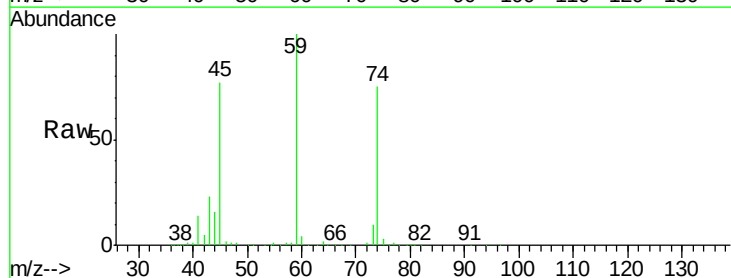
Tot Ion:101 Resp: 92350
Ion Ratio Lower Upper
101 100
103 64.5 52.8 79.2

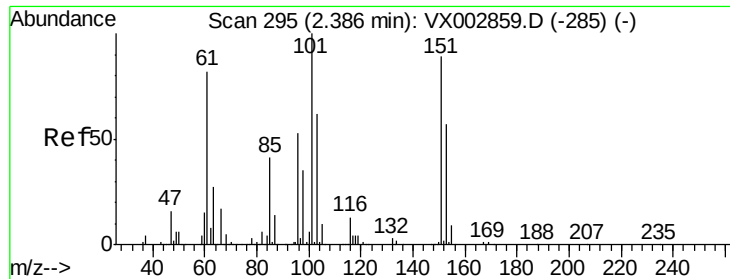


#8

Diethyl Ether
Concen: 20.27 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Tgt Ion: 74 Resp: 35109
Ion Ratio Lower Upper
74 100
45 100.0 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.32 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

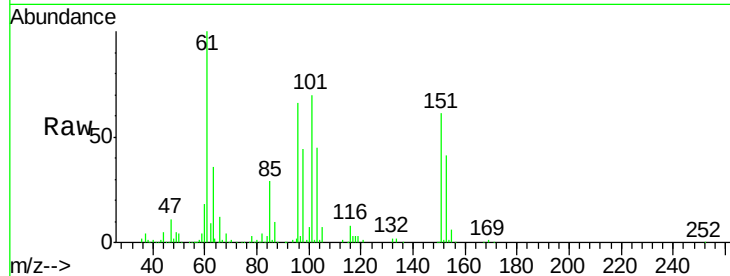
Tot Ion:101 Resp: 53334

Ion Ratio Lower Upper

101 100

85 42.4 36.0 54.0

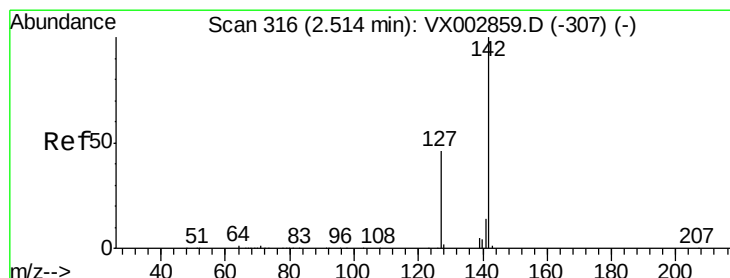
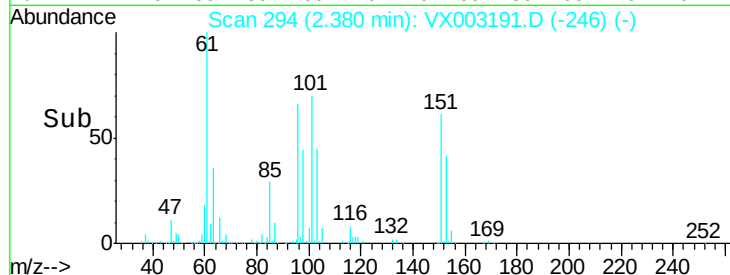
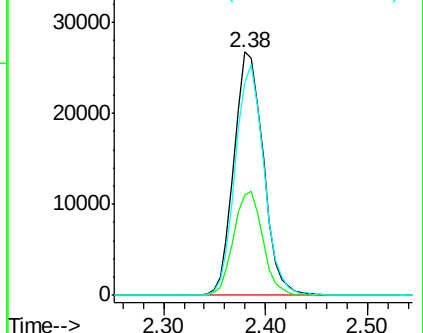
151 92.7 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.34 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

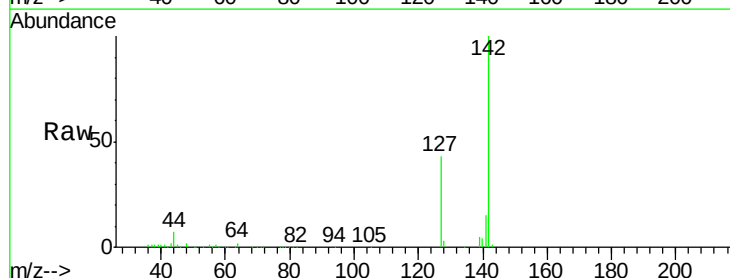
Tgt Ion:142 Resp: 45118

Ion Ratio Lower Upper

142 100

127 42.5 36.6 55.0

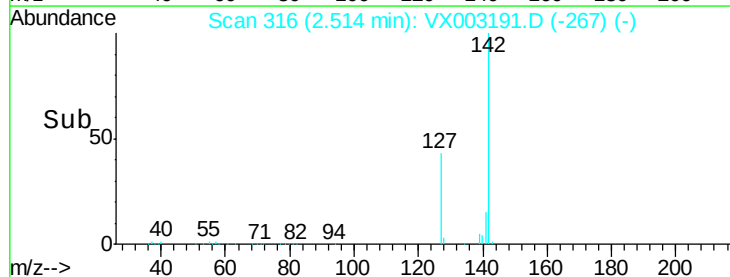
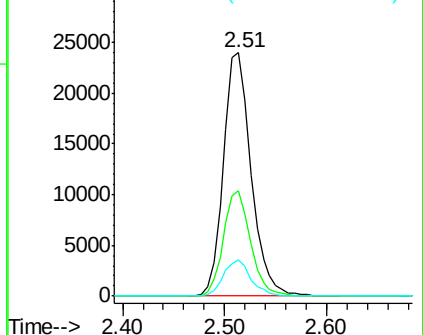
141 14.7 11.3 16.9

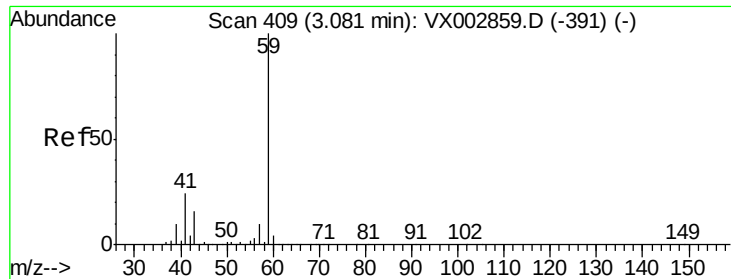


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



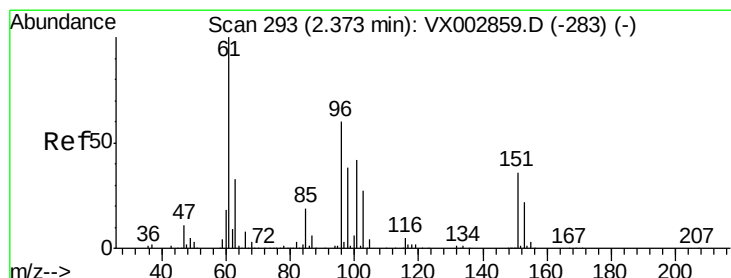
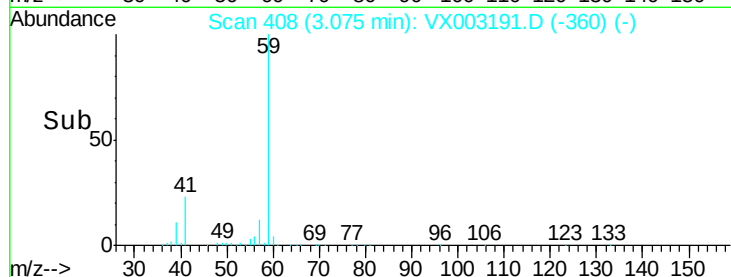
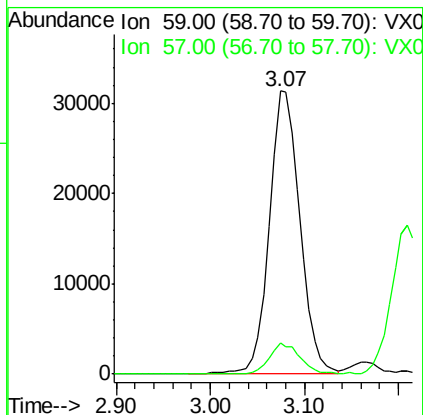
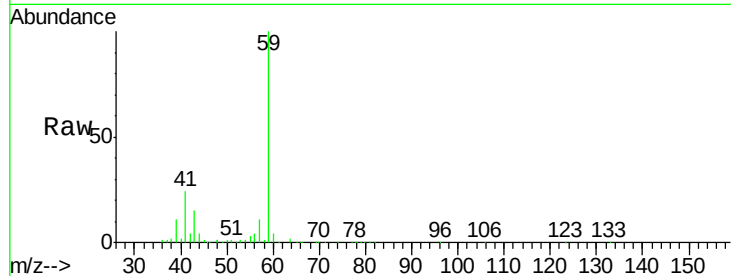


#11

Tert butyl alcohol
 Concen: 103.44 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

Instrument :
 MSVOA_X
 ClientSampleId :

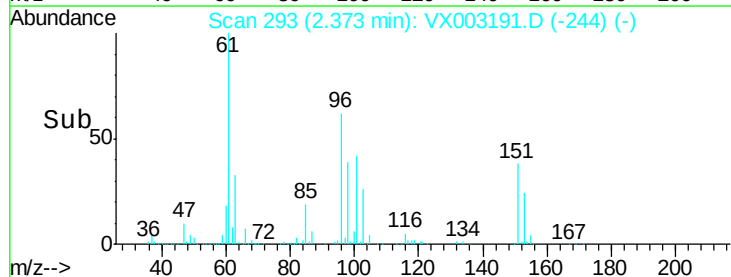
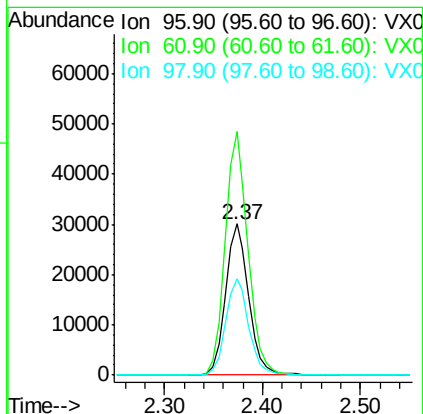
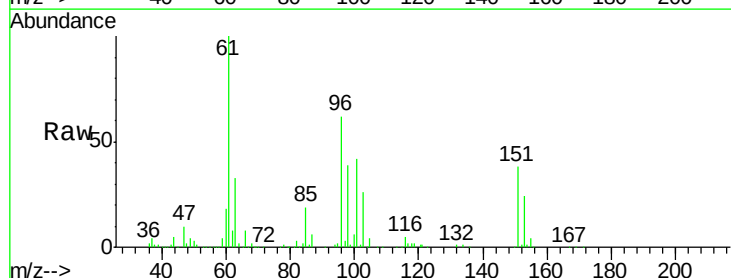
Tot Ion: 59 Resp: 71123
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.2 12.2

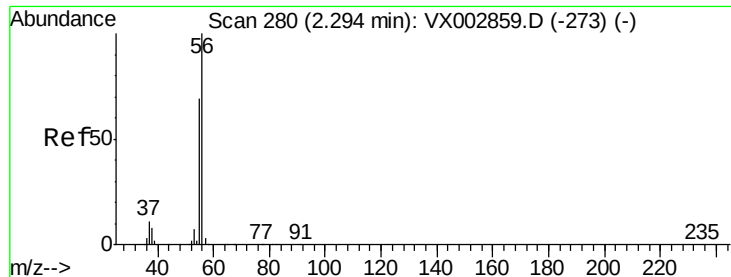


#12

1,1-Dichloroethene
 Concen: 19.88 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

Tgt Ion: 96 Resp: 48960
 Ion Ratio Lower Upper
 96 100
 61 161.0 137.9 206.9
 98 63.6 51.6 77.4





#13

Acrolein

Concen: 66.64 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

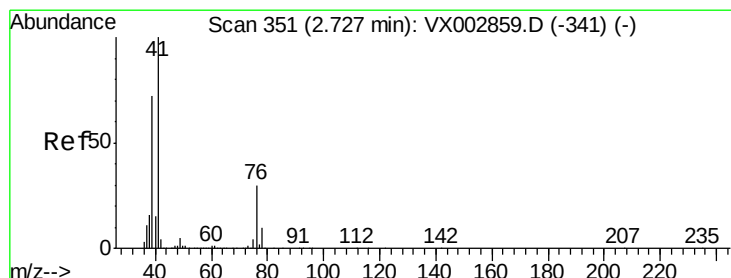
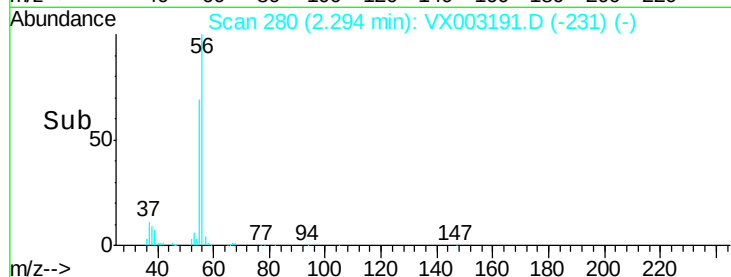
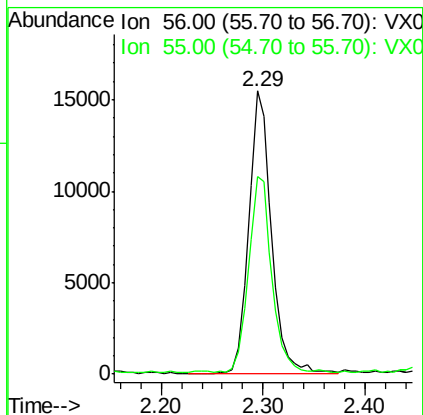
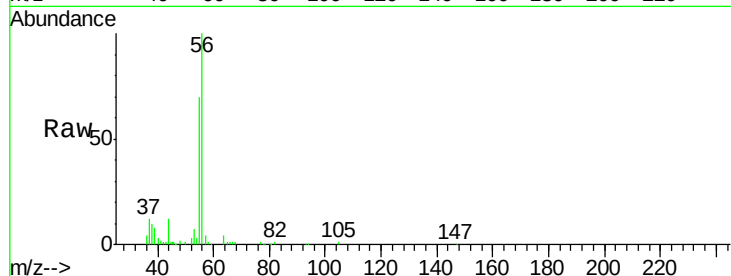
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 24200

Ion Ratio Lower Upper

56 100

55 70.3 57.0 85.4



#14

Allyl chloride

Concen: 19.11 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

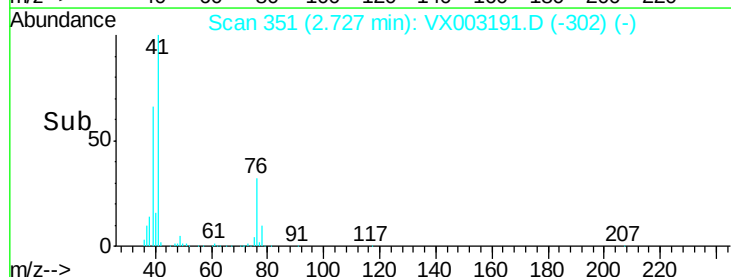
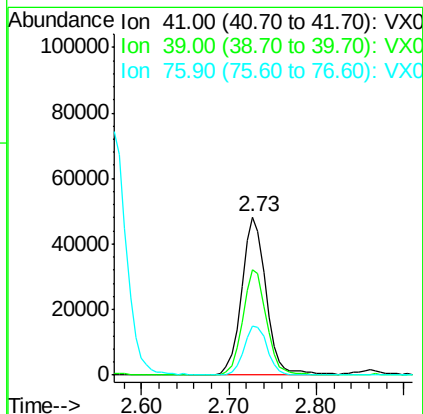
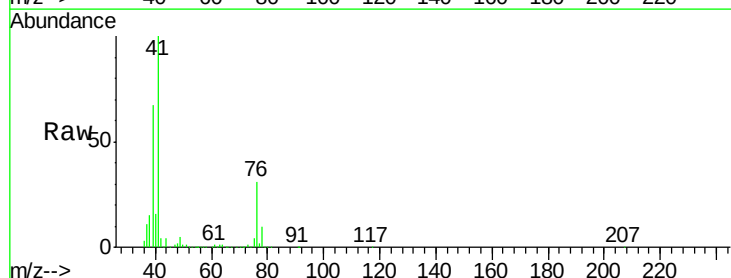
Tgt Ion: 41 Resp: 92747

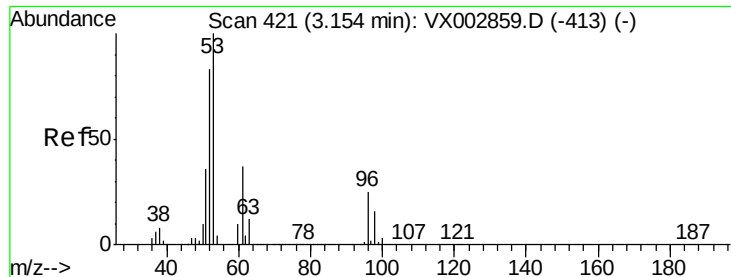
Ion Ratio Lower Upper

41 100

39 64.7 56.8 85.2

76 29.4 23.8 35.8





#15

Acrylonitrile

Concen: 104.83 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :
MSVOA_X
ClientSampleId :

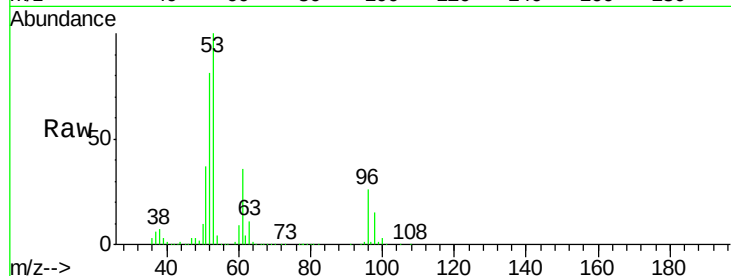
Tot Ion: 53 Resp: 153952

Ion Ratio Lower Upper

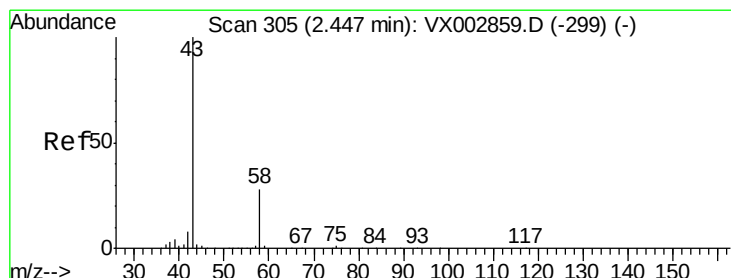
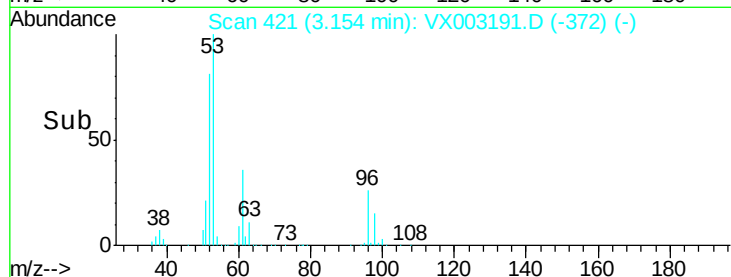
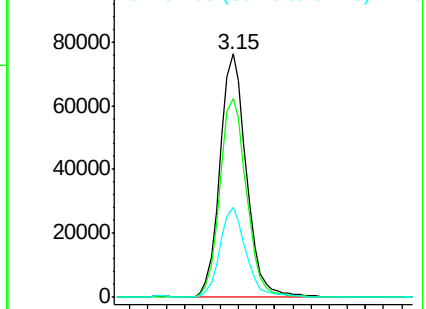
53 100

52 82.7 66.7 100.1

51 36.7 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 100.67 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003191.D

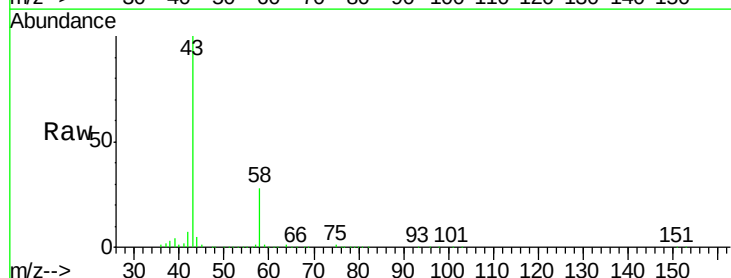
Acq: 06 Jul 2018 00:34

Tgt Ion: 43 Resp: 143896

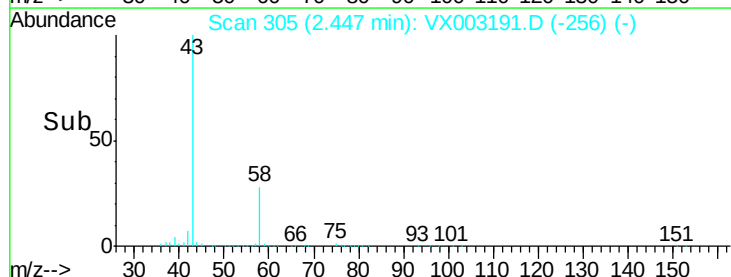
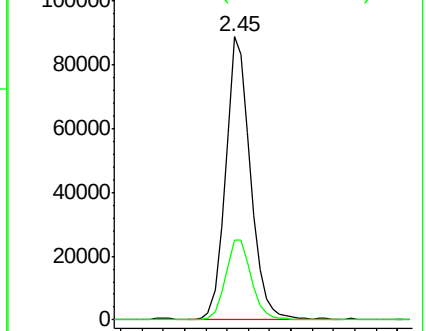
Ion Ratio Lower Upper

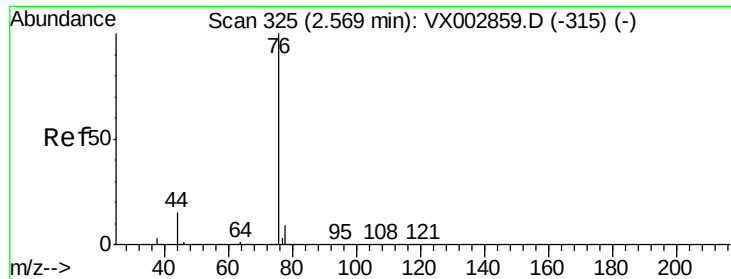
43 100

58 28.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

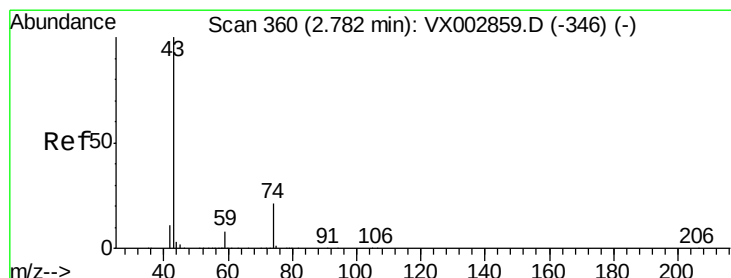
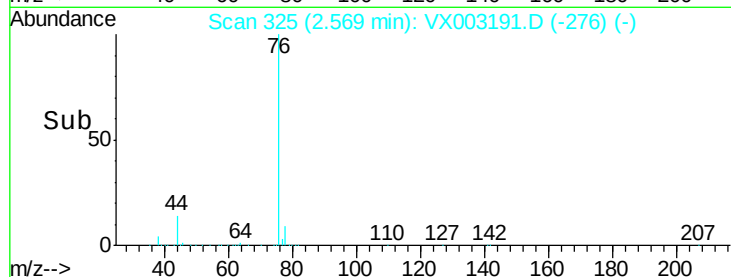
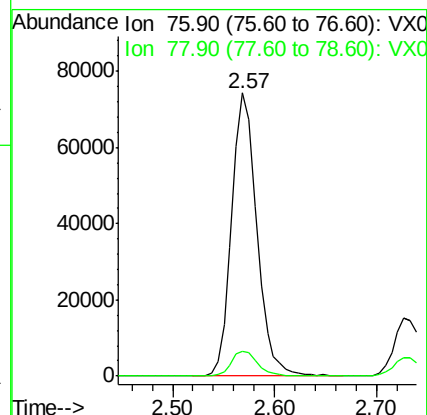
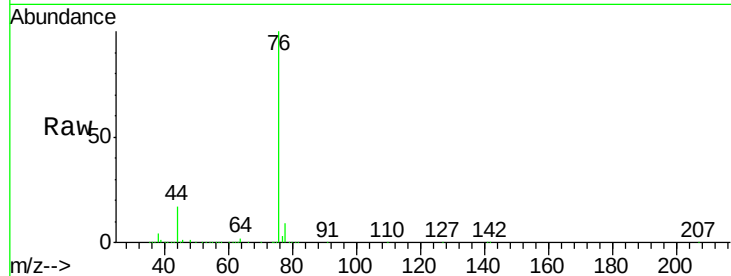




#17
Carbon Disulfide
Concen: 19.37 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

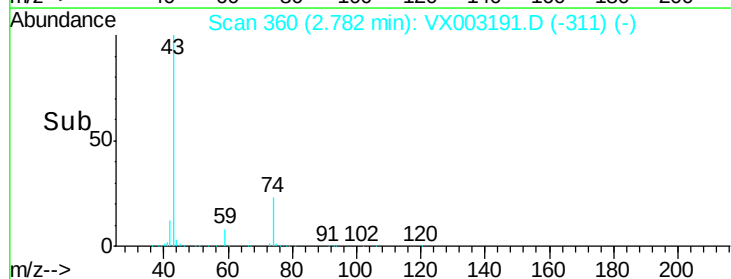
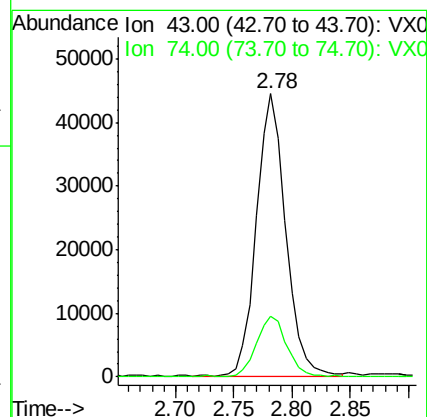
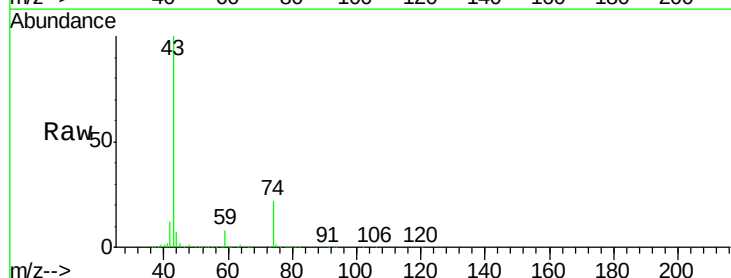
Instrument :
MSVOA_X
ClientSampled :

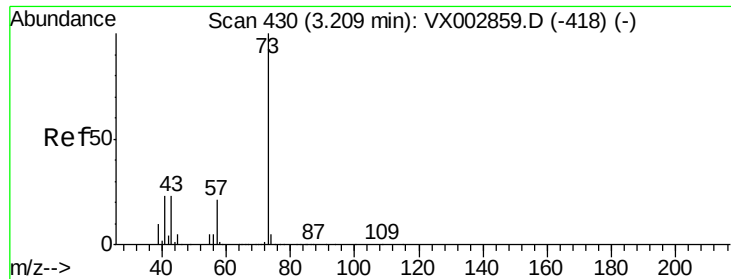
Tot Ion: 76 Resp: 127128
Ion Ratio Lower Upper
76 100
78 8.7 6.9 10.3



#18
Methyl Acetate
Concen: 19.46 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Tgt Ion: 43 Resp: 77765
Ion Ratio Lower Upper
43 100
74 22.0 16.7 25.1



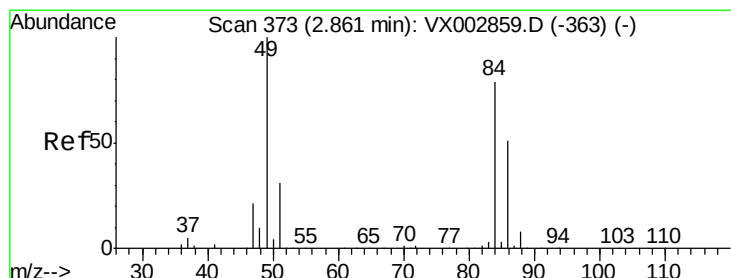
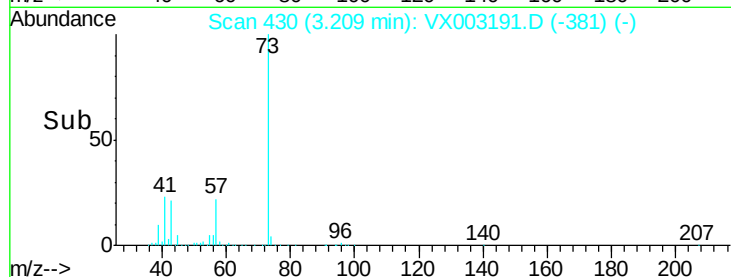
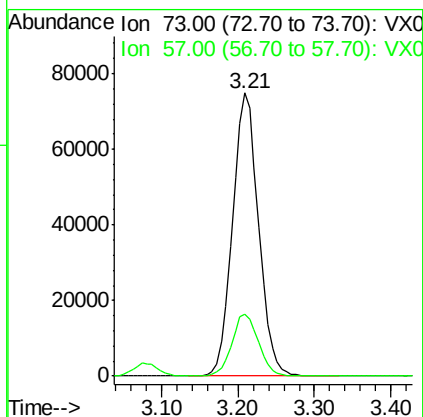
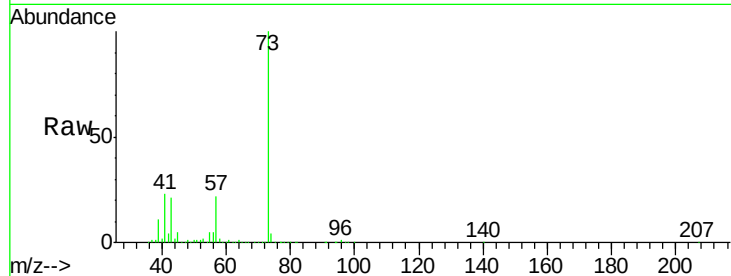


#19

Methyl tert-butyl Ether
 Concen: 19.84 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

Instrument :
 MSVOA_X
 ClientSampleId :

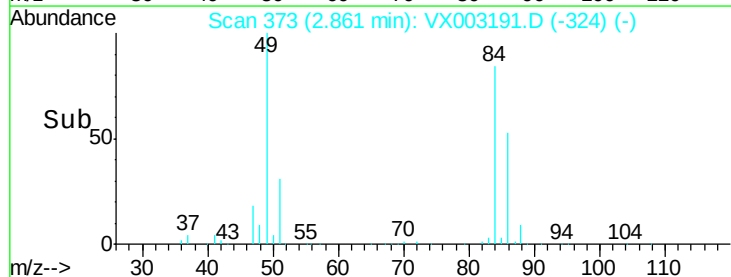
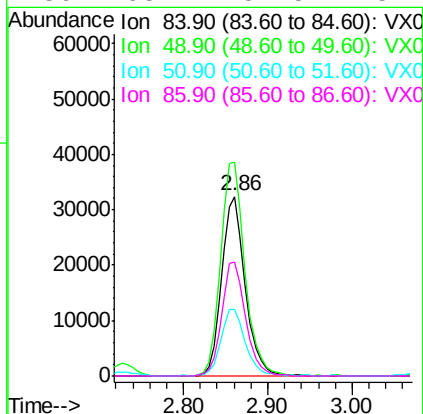
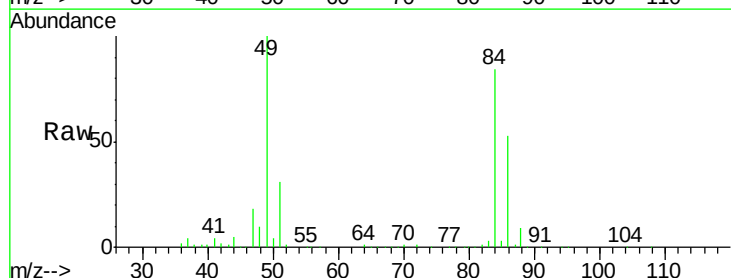
Tot Ion: 73 Resp: 175627
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.7 26.5

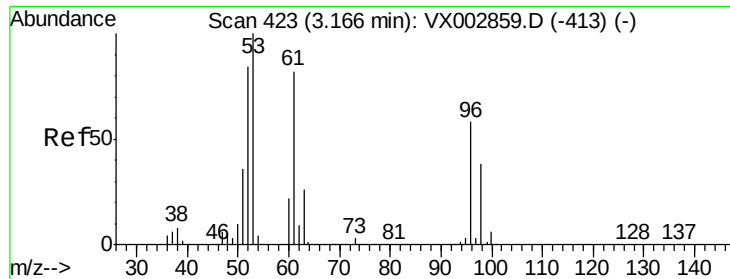


#20

Methylene Chloride
 Concen: 22.38 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

Tgt Ion: 84 Resp: 62260
 Ion Ratio Lower Upper
 84 100
 49 118.6 107.8 161.6
 51 36.6 32.8 49.2
 86 63.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.12 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :
MSVOA_X
ClientSampleId :

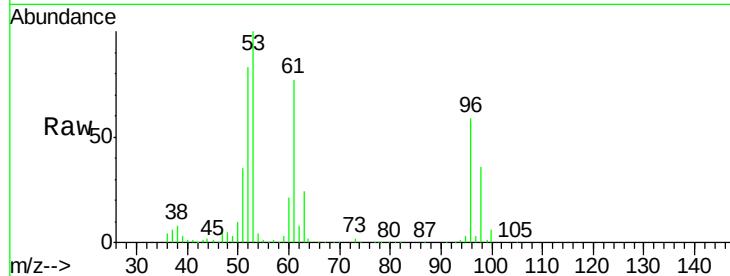
Tot Ion: 96 Resp: 53974

Ion Ratio Lower Upper

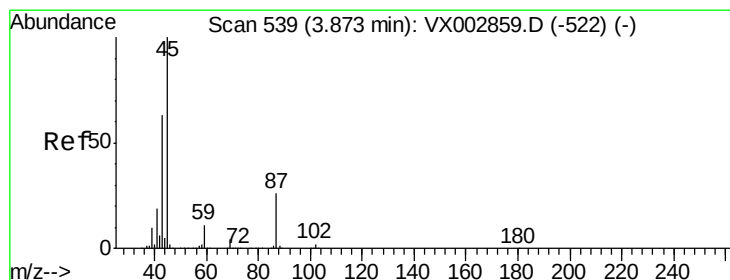
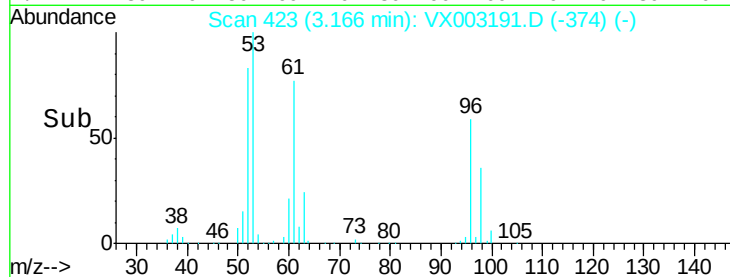
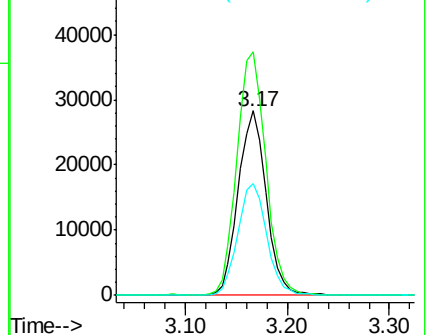
96 100

61 131.9 117.0 175.4

98 60.8 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.28 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Tgt Ion: 45 Resp: 188148

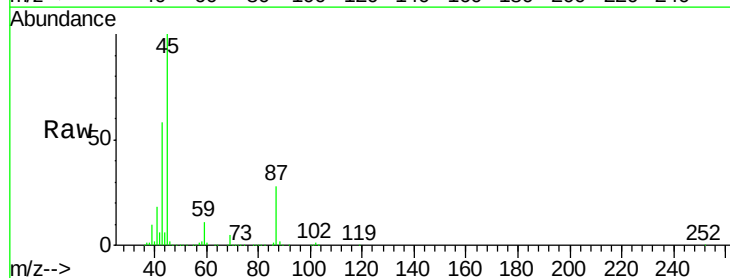
Ion Ratio Lower Upper

45 100

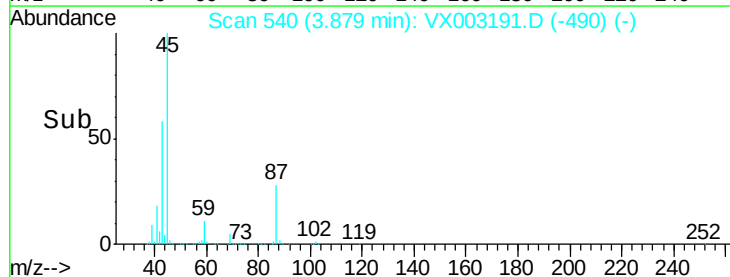
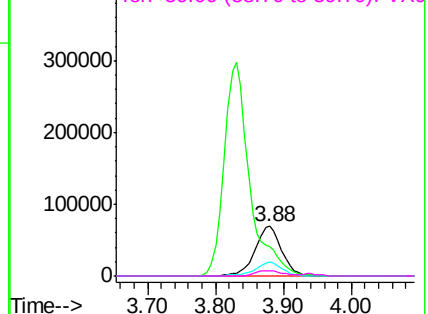
43 58.3 46.8 70.2

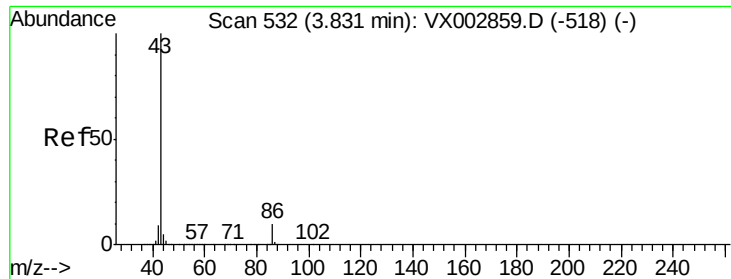
87 27.8 20.2 30.4

59 11.2 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 98.70 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

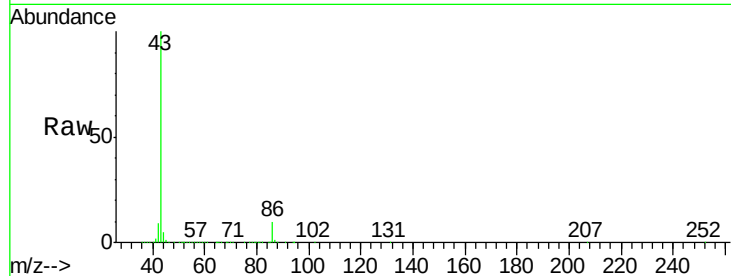
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 775589

Ion Ratio Lower Upper

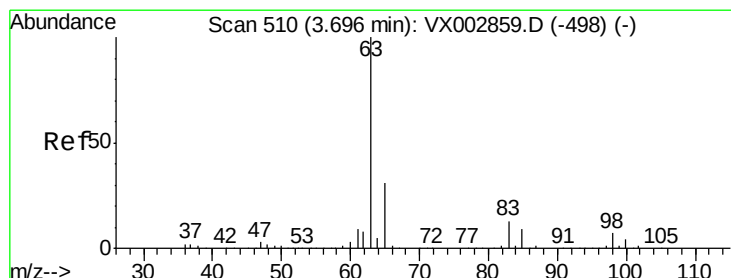
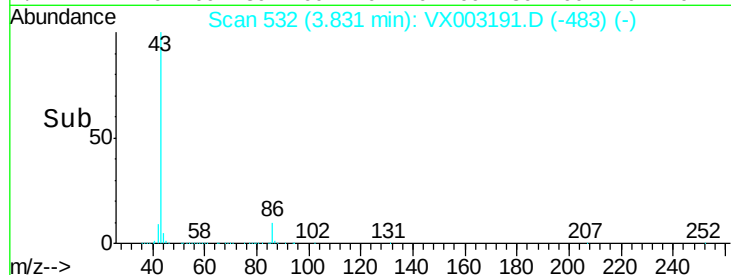
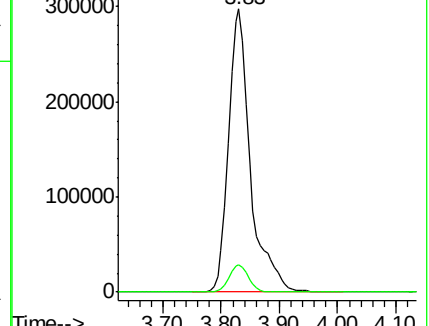
43 100

86 9.8 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.91 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

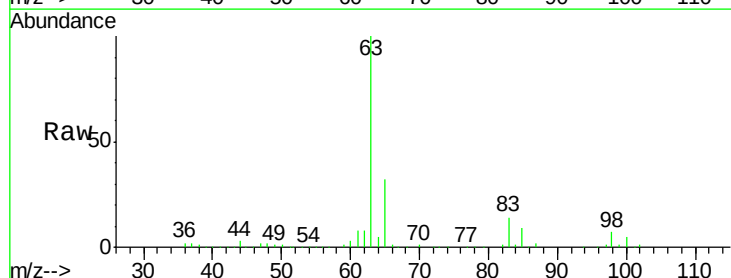
Tgt Ion: 63 Resp: 100423

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

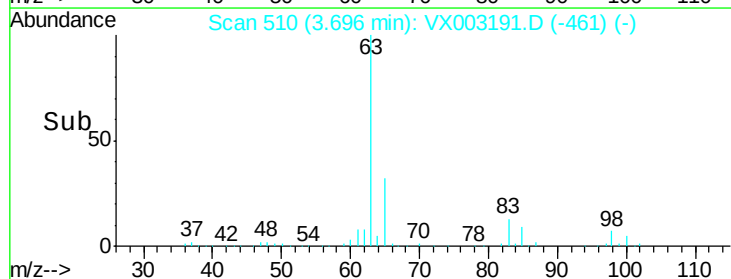
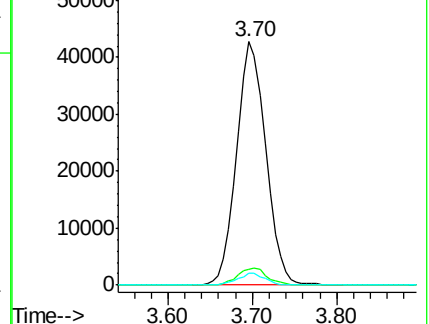
100 4.8 2.0 6.0

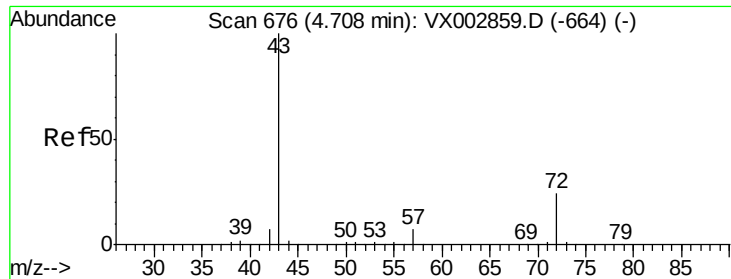


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 109.15 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

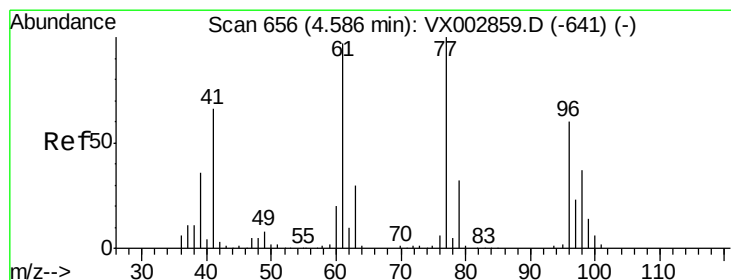
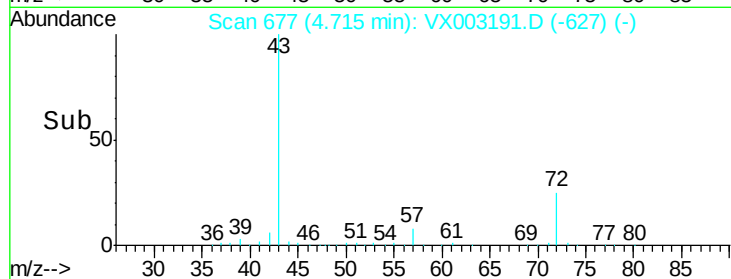
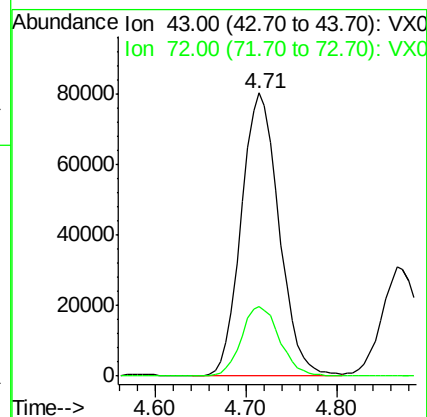
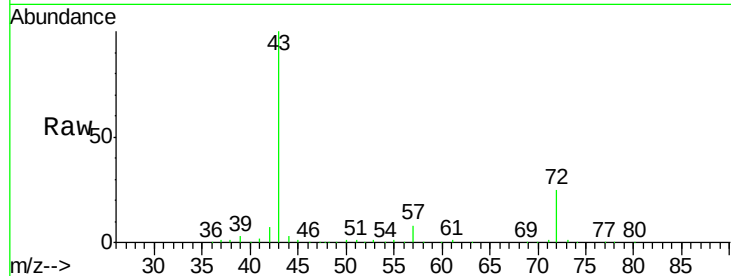
ClientSampleId :

Tot Ion: 43 Resp: 231542

Ion Ratio Lower Upper

43 100

72 24.6 18.5 27.7



#26

2,2-Dichloropropane

Concen: 11.71 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003191.D

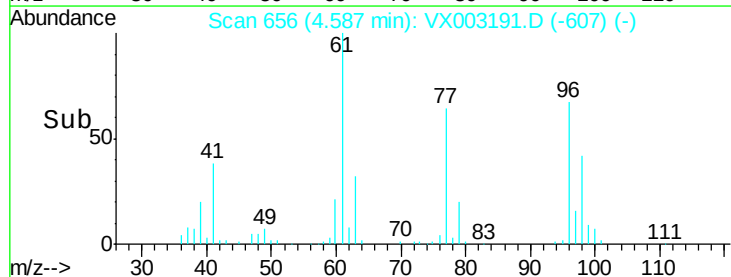
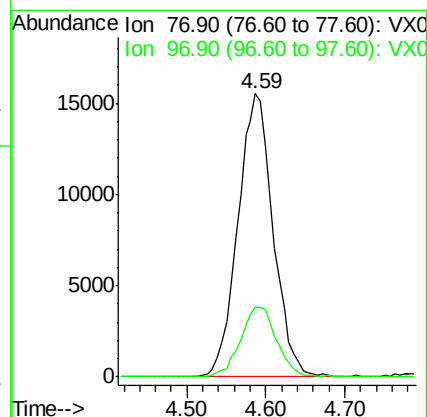
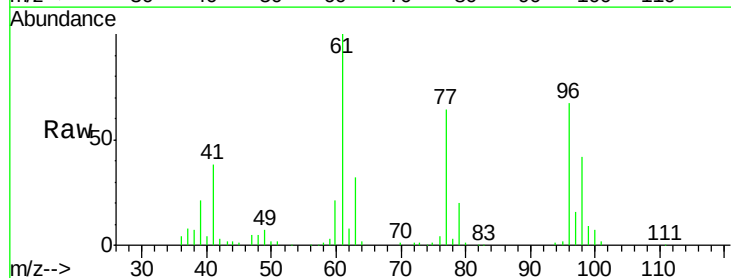
Acq: 06 Jul 2018 00:34

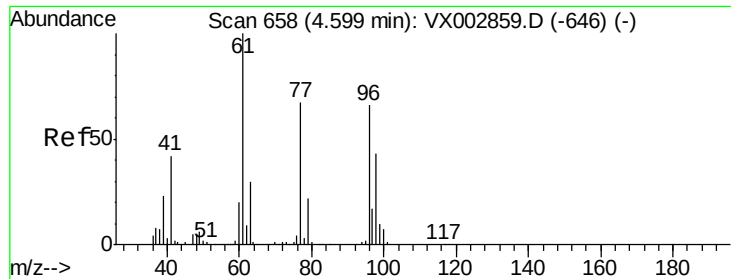
Tgt Ion: 77 Resp: 48034

Ion Ratio Lower Upper

77 100

97 25.1 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 20.84 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

ClientSampled :

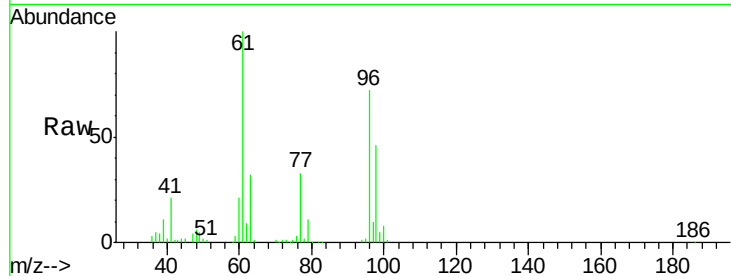
Tot Ion: 96 Resp: 62677

Ion Ratio Lower Upper

96 100

61 159.6 0.0 330.2

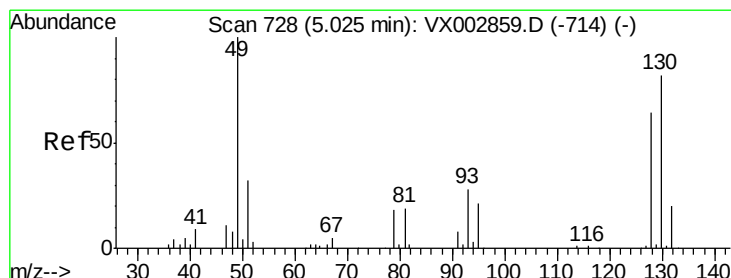
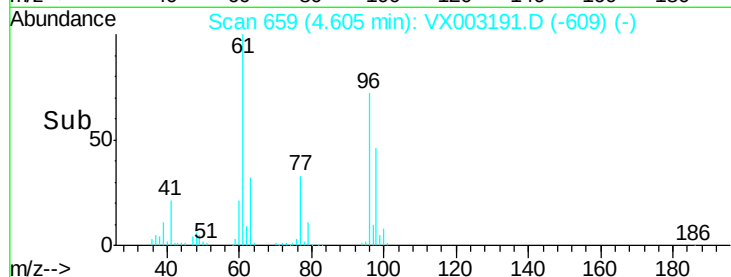
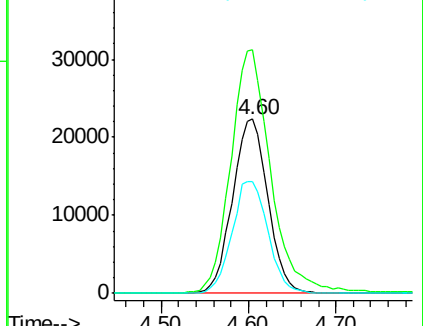
98 65.4 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 19.80 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

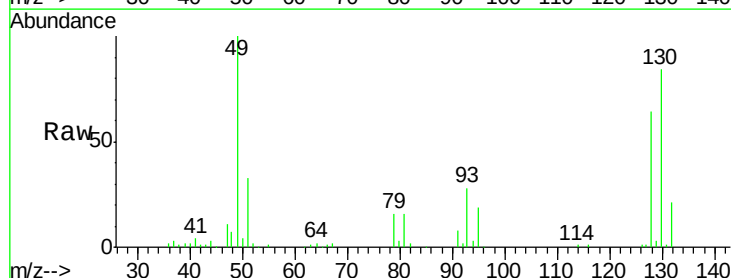
Tgt Ion: 49 Resp: 47796

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.2

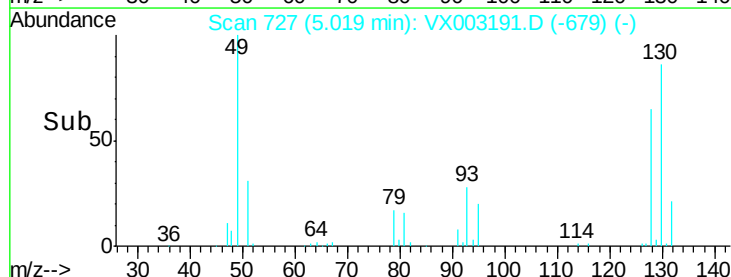
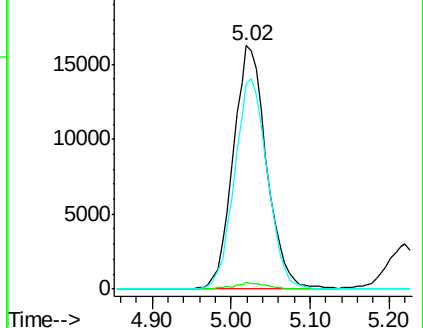
130 85.2 61.2 91.8

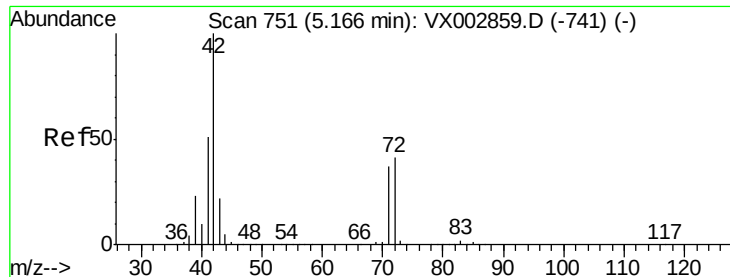


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 109.25 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

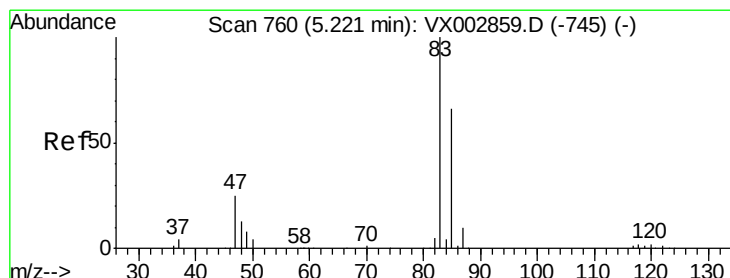
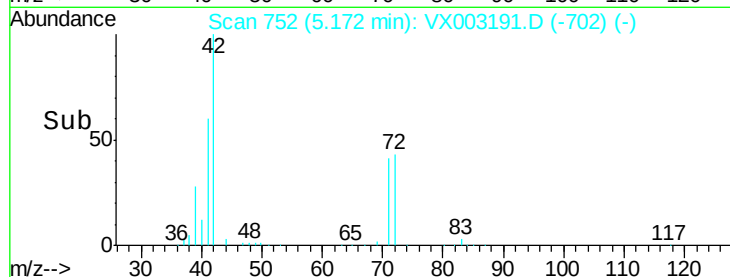
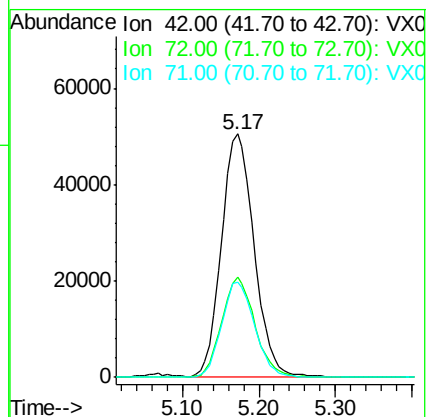
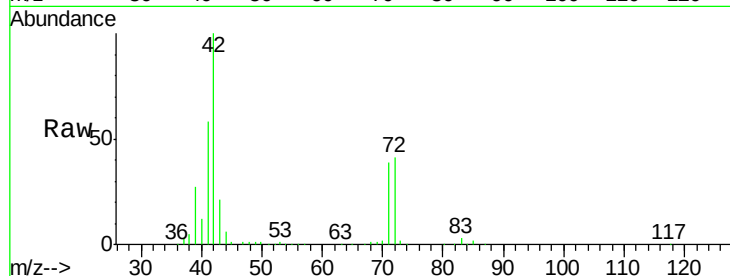
Tot Ion: 42 Resp: 148616

Ion Ratio Lower Upper

42 100

72 41.9 32.0 48.0

71 39.7 30.1 45.1



#30

Chloroform

Concen: 20.65 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX003191.D

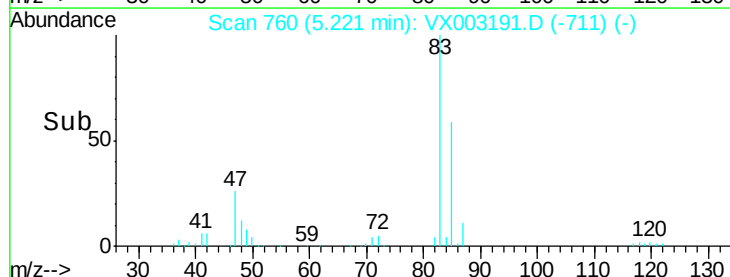
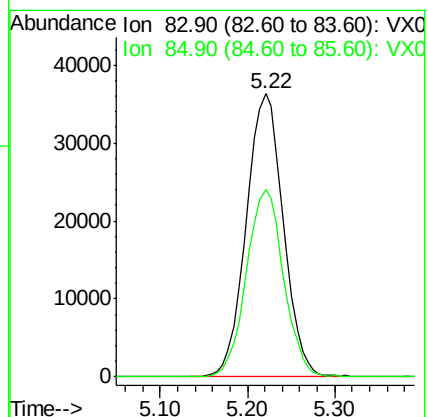
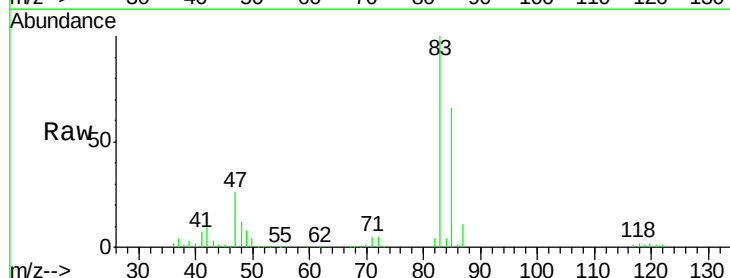
Acq: 06 Jul 2018 00:34

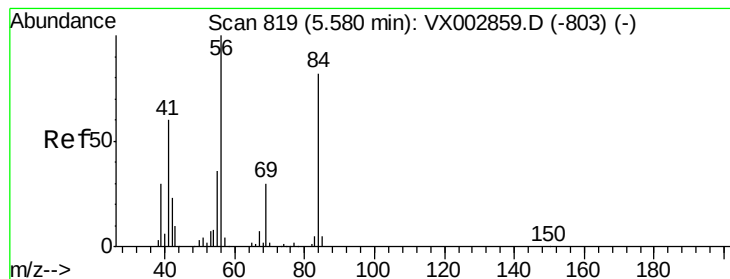
Tgt Ion: 83 Resp: 106876

Ion Ratio Lower Upper

83 100

85 66.0 50.4 75.6





#31

Cyclohexane

Concen: 20.36 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :
MSVOA_X
ClientSampleId :

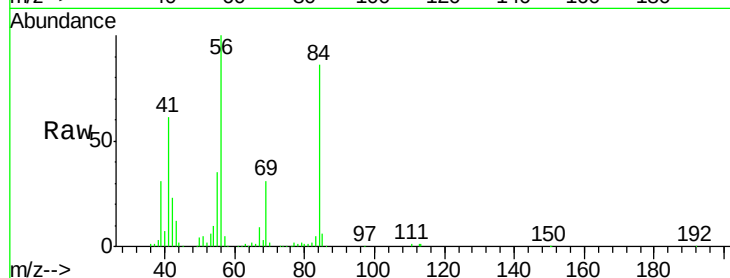
Tot Ion: 56 Resp: 88127

Ion Ratio Lower Upper

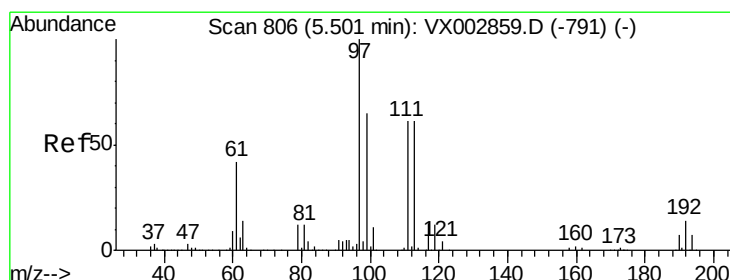
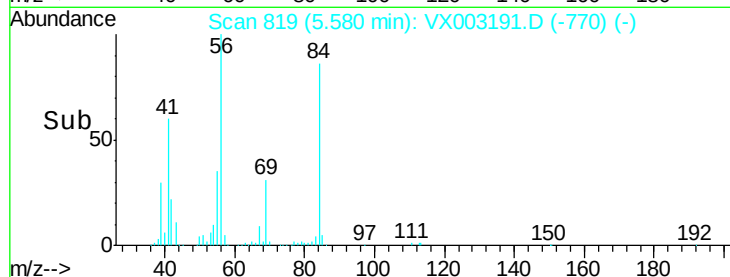
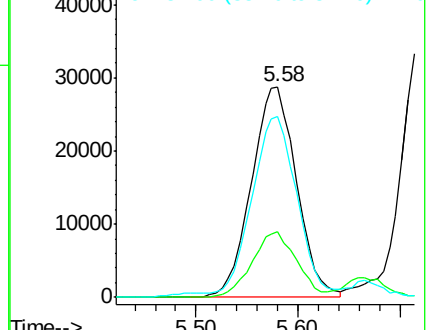
56 100

69 31.2 23.7 35.5

84 84.1 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.80 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

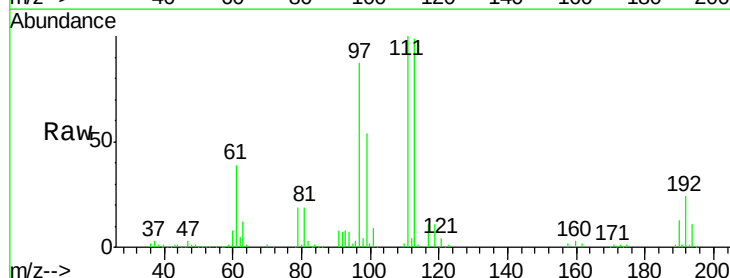
Tgt Ion: 97 Resp: 94717

Ion Ratio Lower Upper

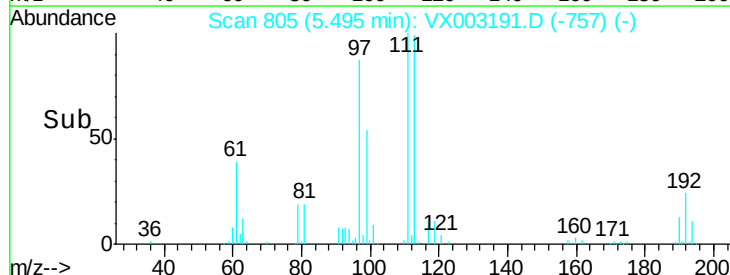
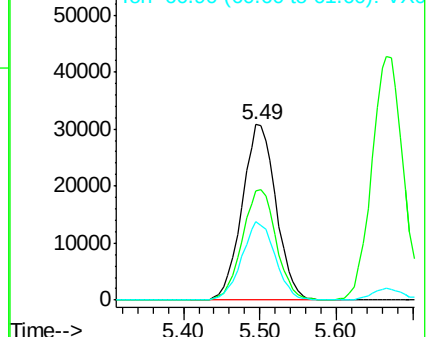
97 100

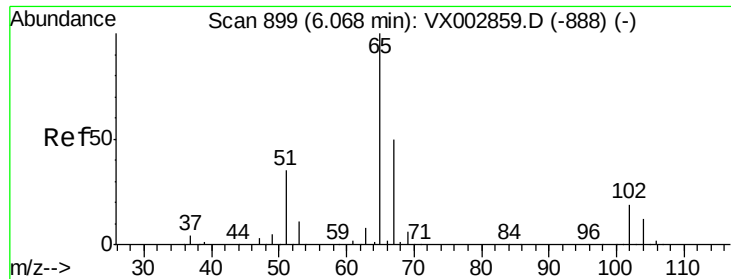
99 62.9 51.6 77.4

61 44.0 36.4 54.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

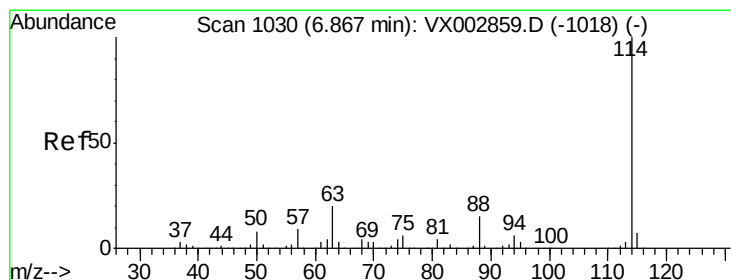
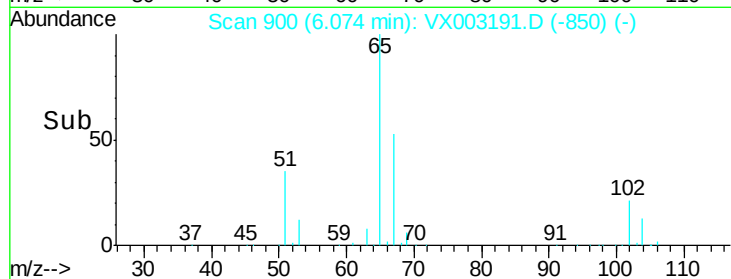
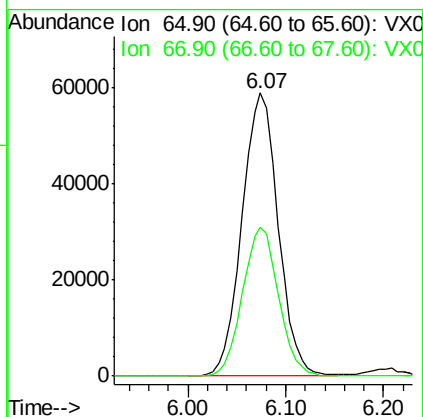
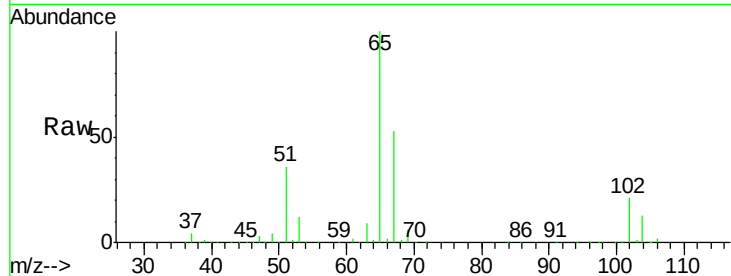




#33
 1,2-Dichloroethane-d4
 Concen: 44.02 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

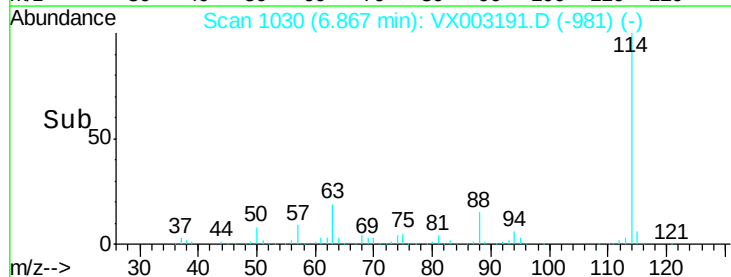
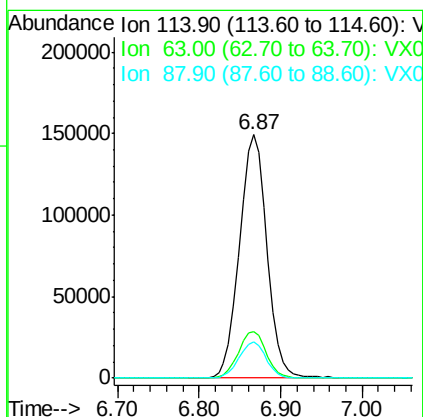
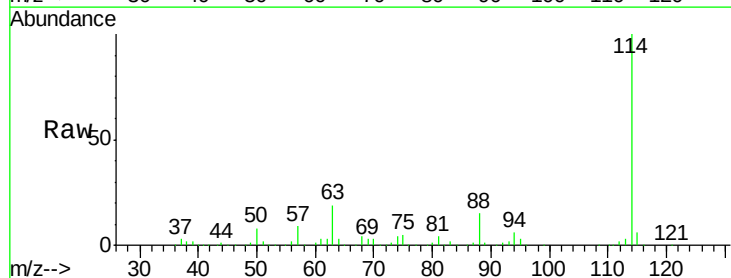
Instrument :
 MSVOA_X
 ClientSampleId :

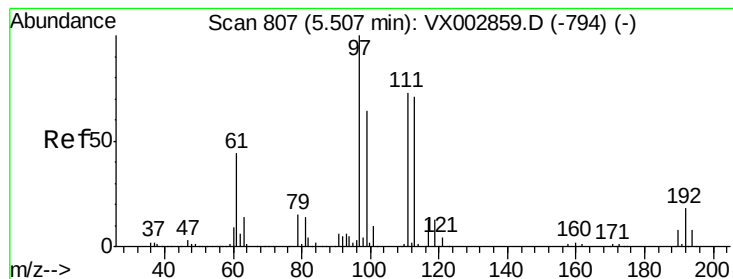
Tot Ion: 65 Resp: 151941
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

Tgt Ion: 114 Resp: 347971
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.4
 88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 46.66 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

ClientSampled :

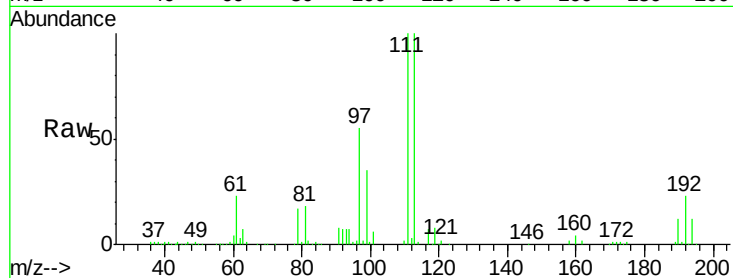
Tot Ion:113 Resp: 128567

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

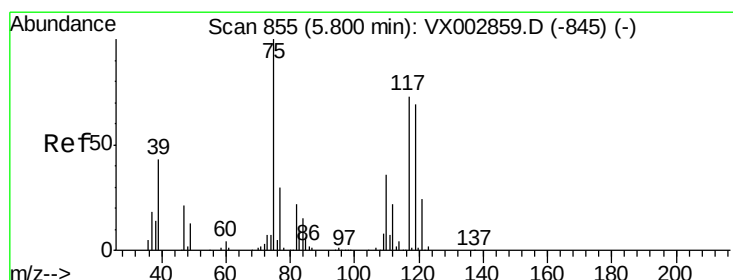
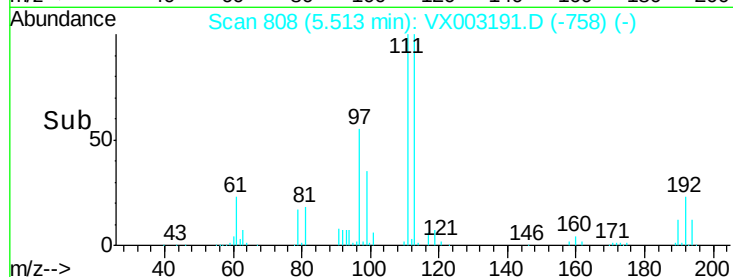
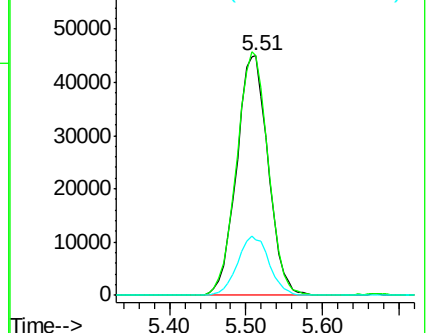
192 24.8 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.75 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

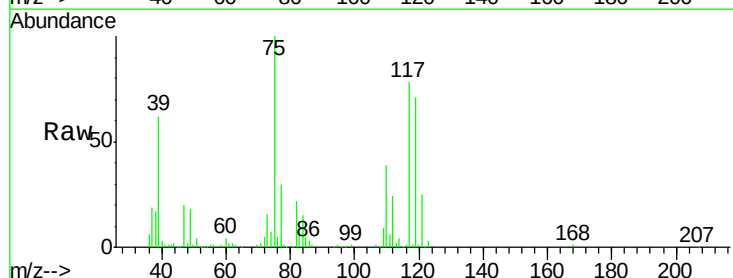
Tgt Ion: 75 Resp: 75383

Ion Ratio Lower Upper

75 100

110 38.2 18.1 54.4

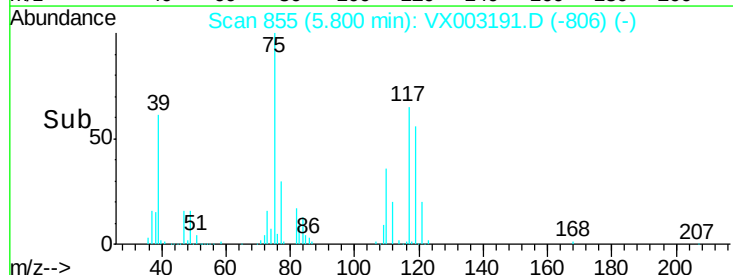
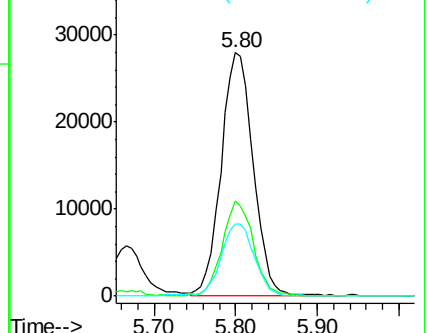
77 31.7 24.3 36.5

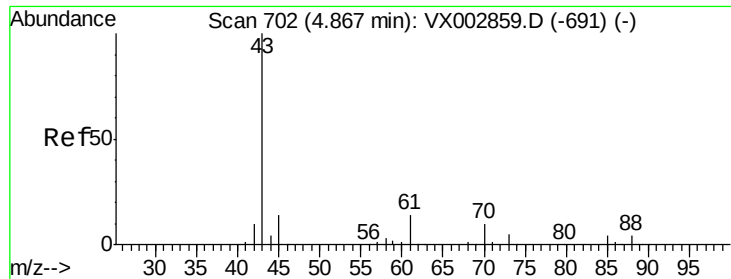


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

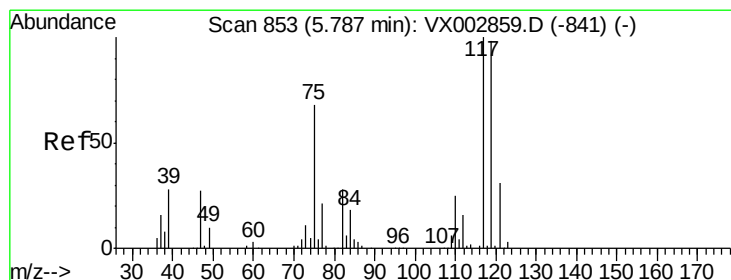
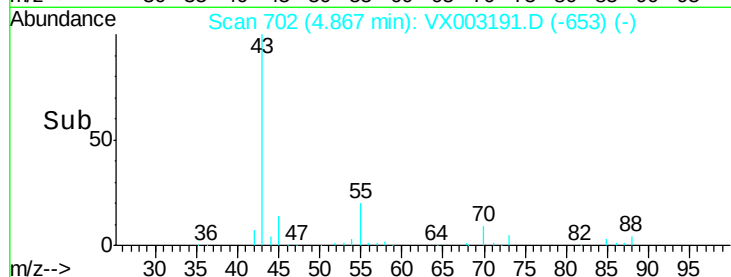
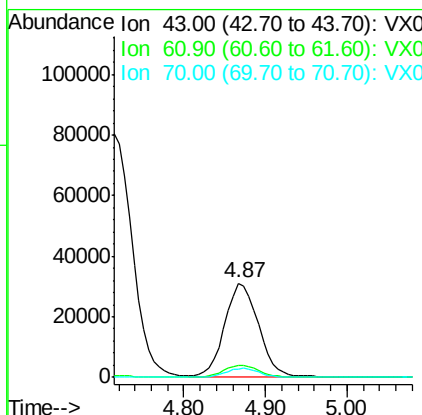
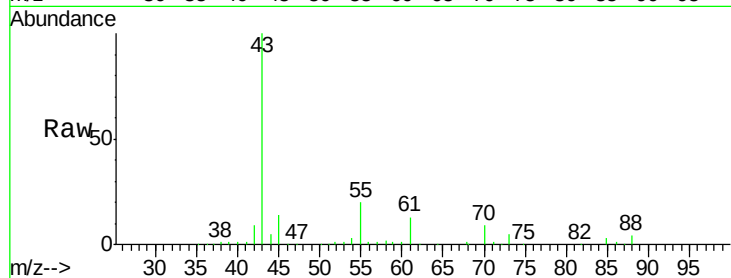




#37
Ethyl Acetate
Concen: 21.69 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

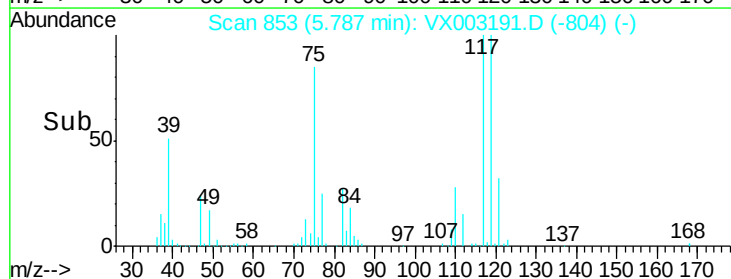
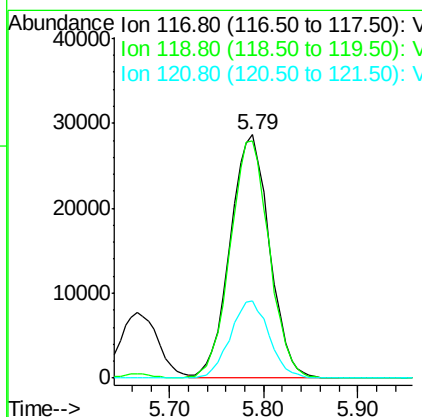
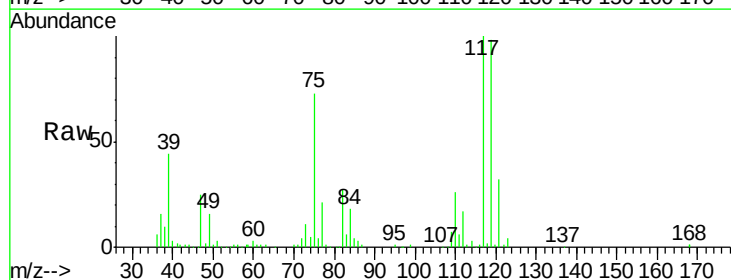
Instrument :
MSVOA_X
ClientSampled :

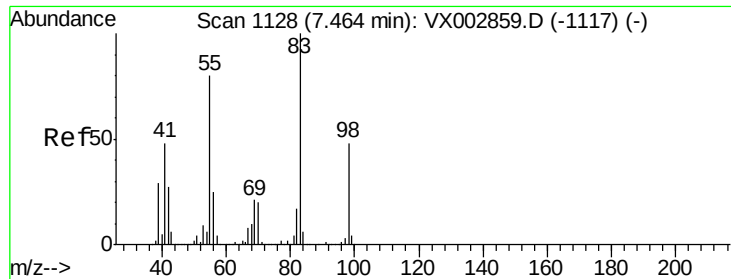
Tot Ion: 43 Resp: 89097
Ion Ratio Lower Upper
43 100
61 13.6 10.4 15.6
70 9.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.99 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Tgt Ion: 117 Resp: 83721
Ion Ratio Lower Upper
117 100
119 97.5 77.4 116.0
121 31.6 24.4 36.6

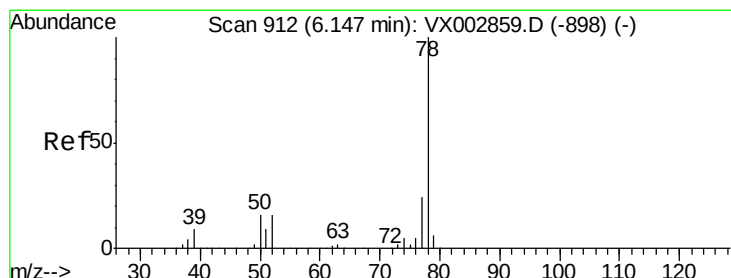
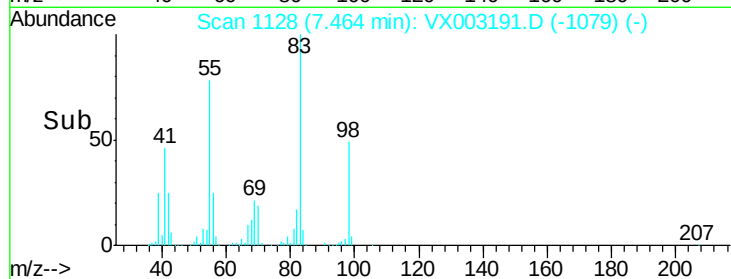
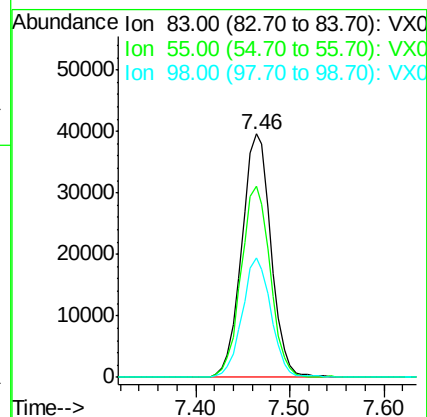
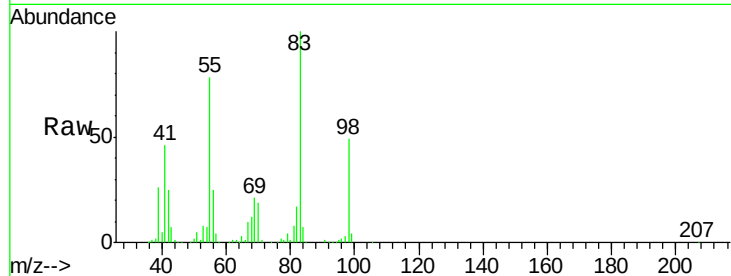




#39
Methylvlcyclohexane
Concen: 19.29 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

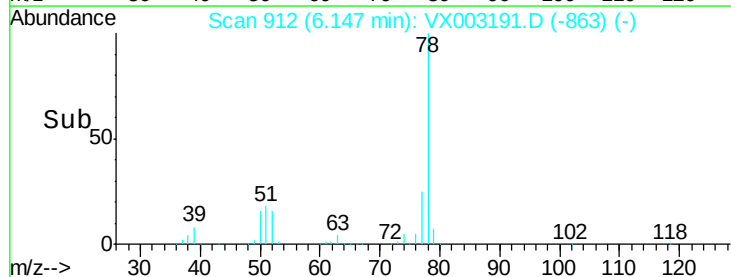
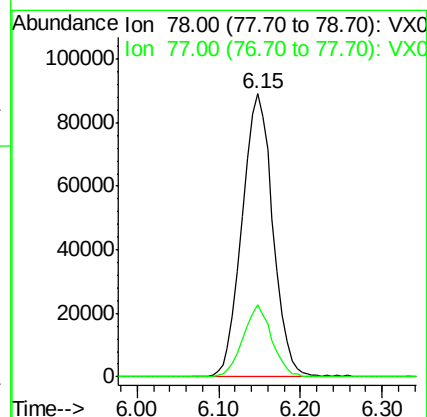
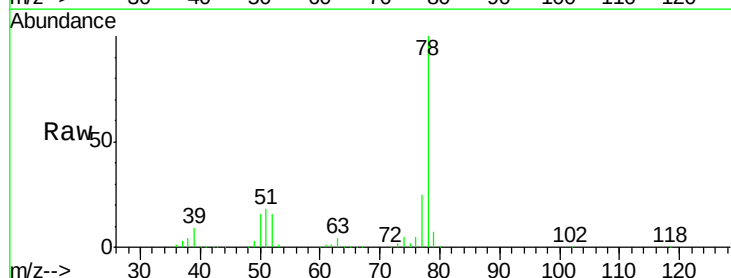
Instrument :
MSVOA_X
ClientSampleId :

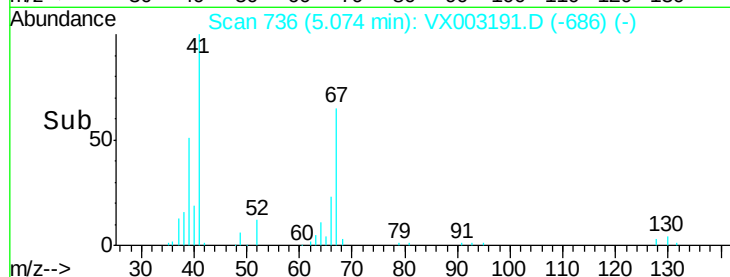
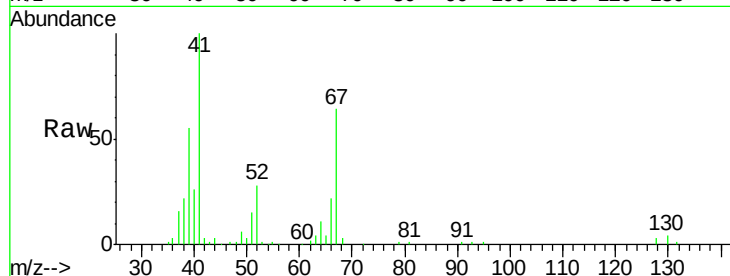
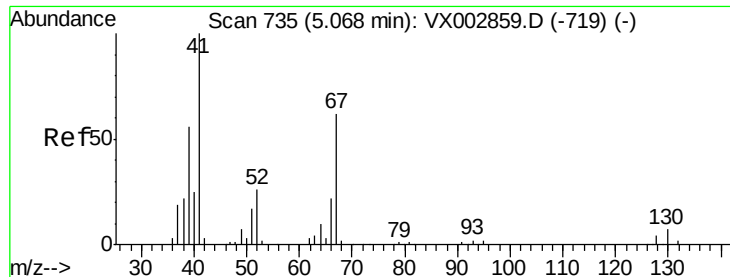
Tot Ion: 83 Resp: 85738
Ion Ratio Lower Upper
83 100
55 78.2 65.4 98.0
98 49.0 37.4 56.0



#40
Benzene
Concen: 21.06 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

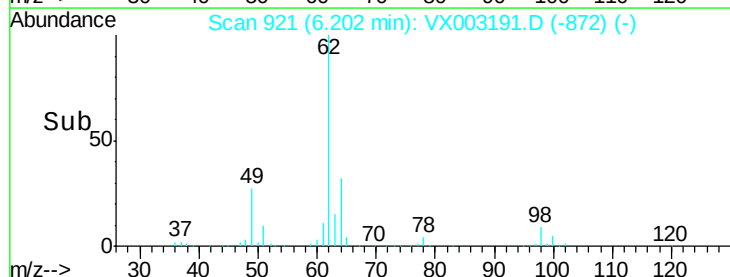
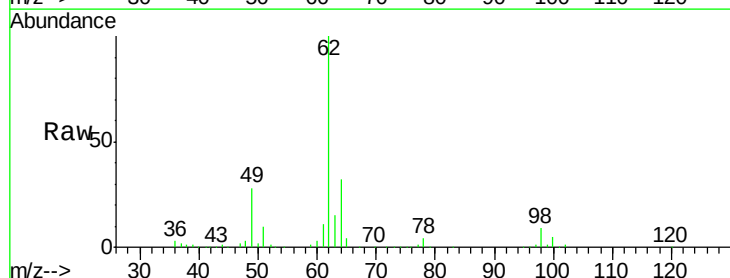
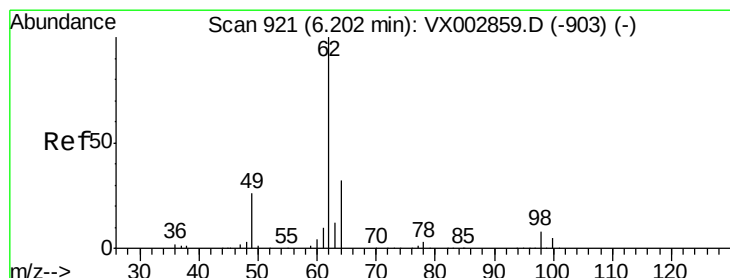
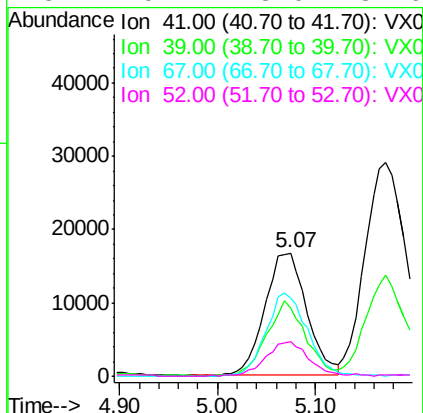
Tgt Ion: 78 Resp: 233504
Ion Ratio Lower Upper
78 100
77 25.4 19.1 28.7





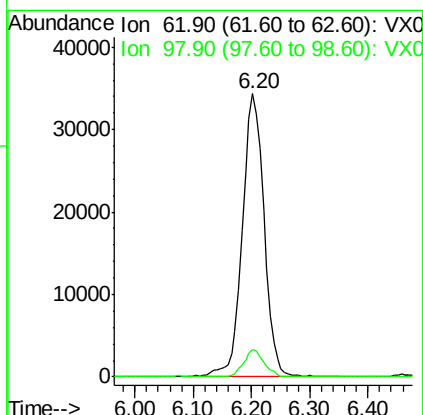
#41
Methacrylonitrile
Concen: 21.25 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

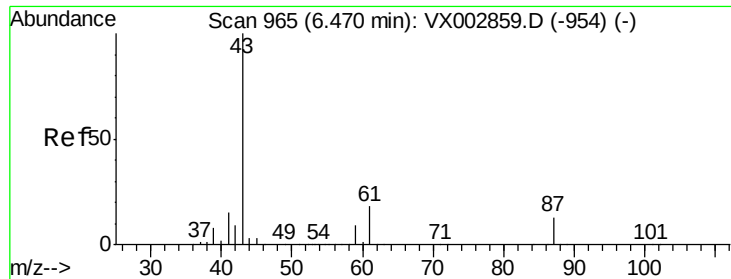
Tot Ion: 41 Resp: 50279
Ion Ratio Lower Upper
41 100
39 57.8 45.8 68.6
67 67.1 51.3 76.9
52 29.7 23.0 34.6



#42
1,2-Dichloroethane
Concen: 19.91 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Tgt Ion: 62 Resp: 89192
Ion Ratio Lower Upper
62 100
98 9.1 0.0 16.6



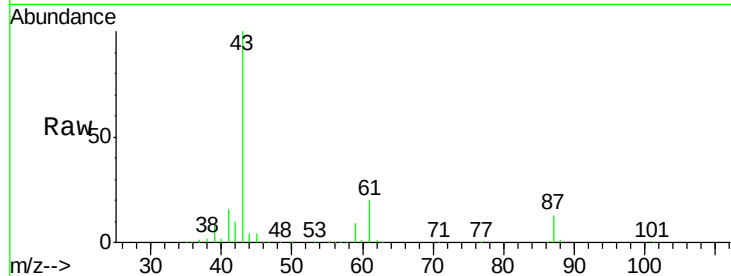


#43

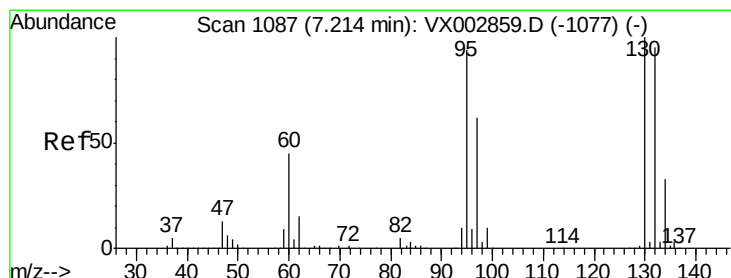
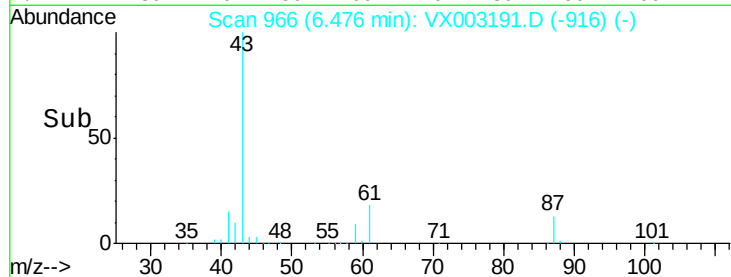
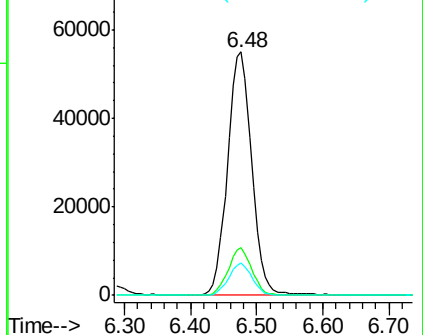
Isopropyl Acetate
 Concen: 20.10 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 43 Resp: 138489
 Ion Ratio Lower Upper
 43 100
 61 19.2 14.4 21.6
 87 13.0 9.5 14.3



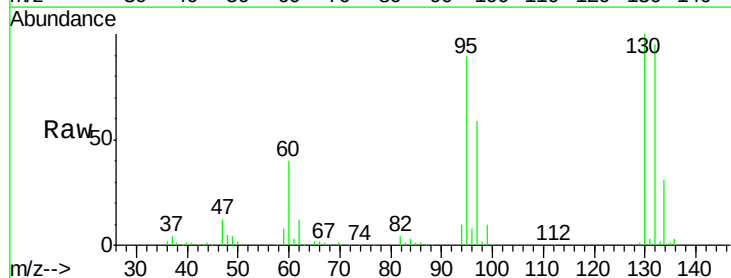
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



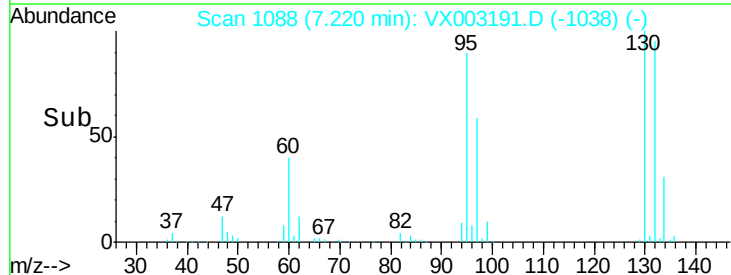
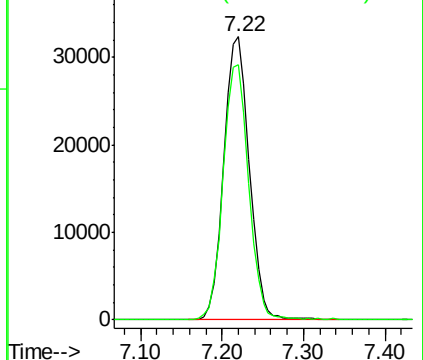
#44

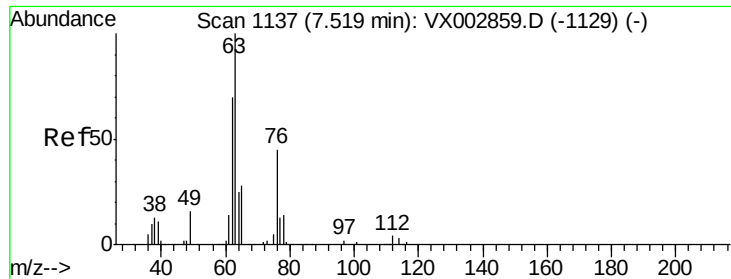
Trichloroethene
 Concen: 21.19 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

Tgt Ion:130 Resp: 70047
 Ion Ratio Lower Upper
 130 100
 95 90.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 20.77 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

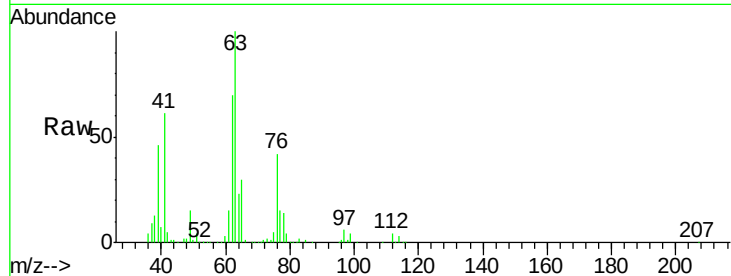
ClientSampleId :

Tot Ion: 63 Resp: 61086

Ion Ratio Lower Upper

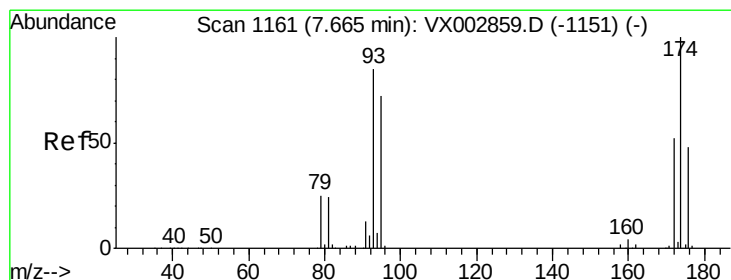
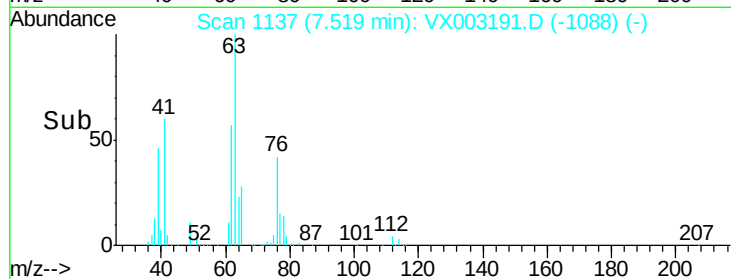
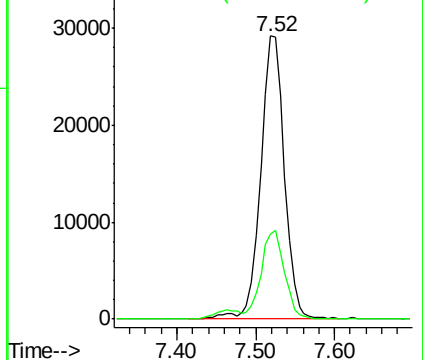
63 100

65 30.1 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.24 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

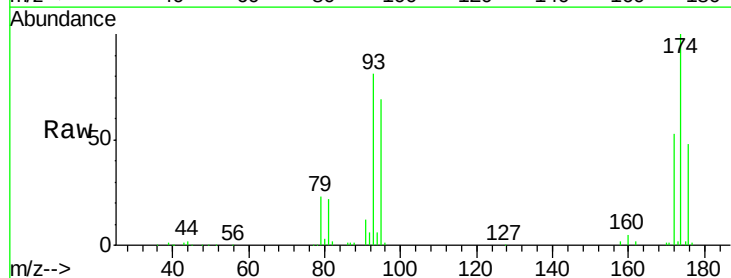
Tgt Ion: 93 Resp: 41317

Ion Ratio Lower Upper

93 100

95 83.8 65.9 98.9

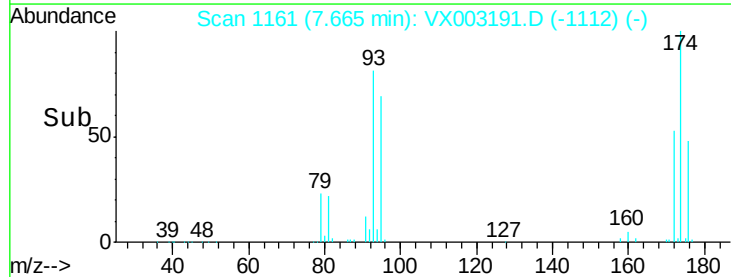
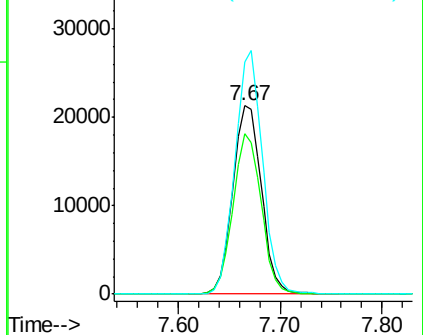
174 124.6 92.4 138.6

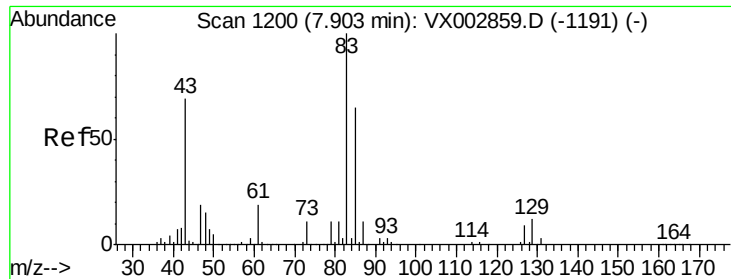


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.26 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

ClientSampled :

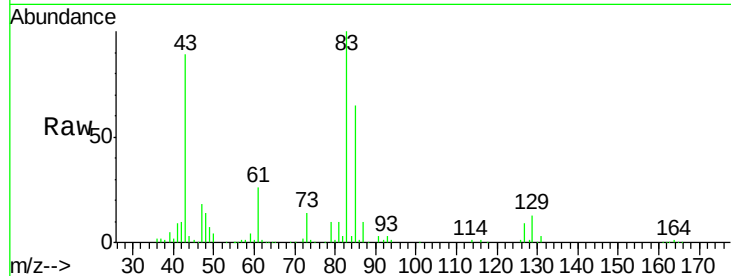
Tot Ion: 83 Resp: 76445

Ion Ratio Lower Upper

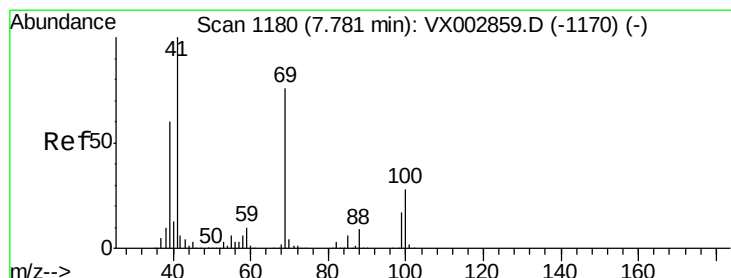
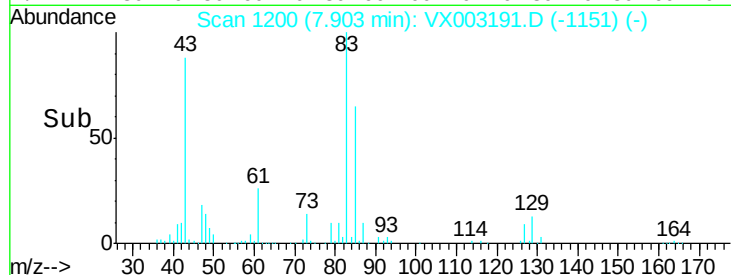
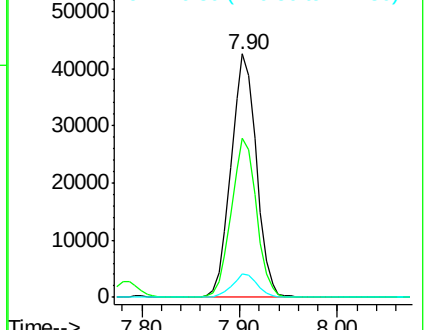
83 100

85 65.4 50.3 75.5

127 9.4 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.03 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

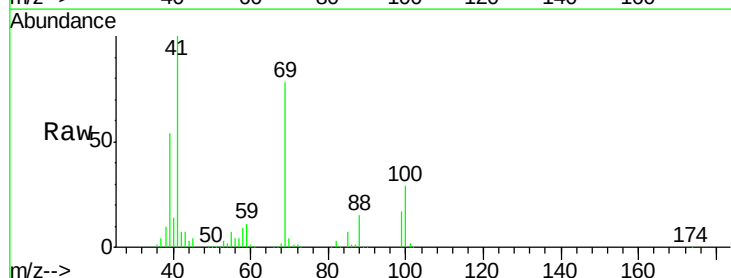
Tgt Ion: 41 Resp: 71134

Ion Ratio Lower Upper

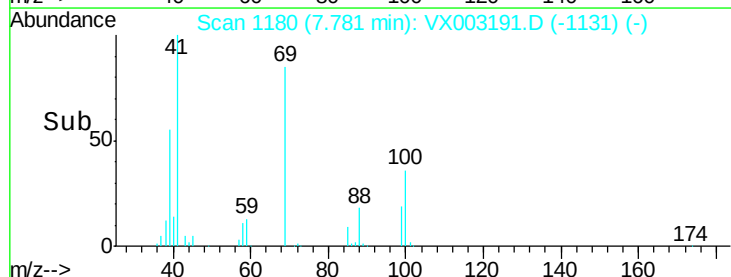
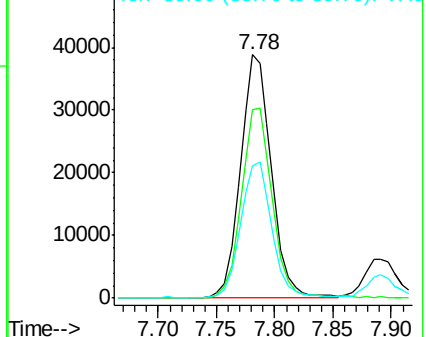
41 100

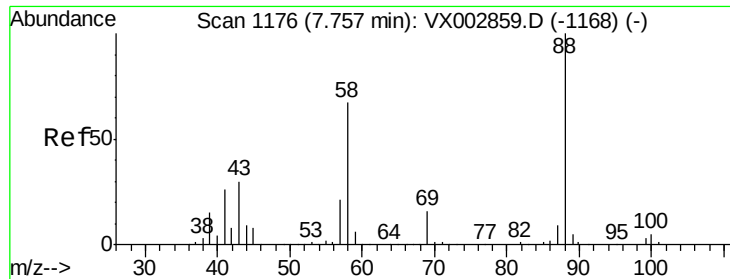
69 78.8 59.1 88.7

39 56.3 48.9 73.3



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

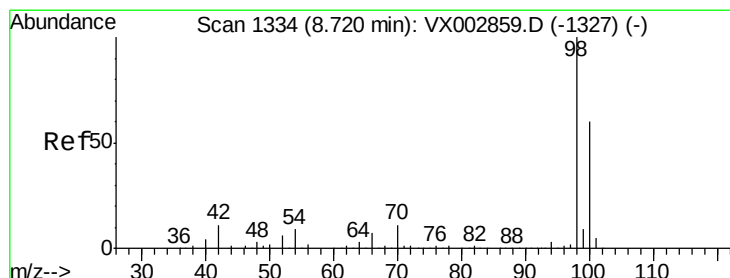
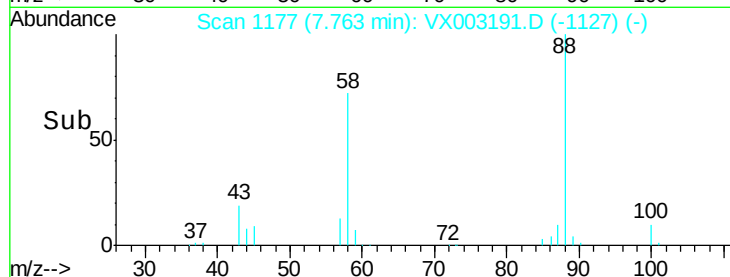
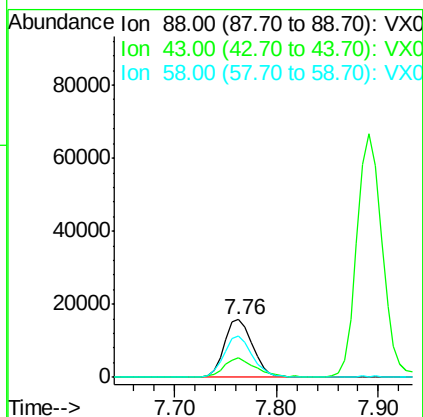
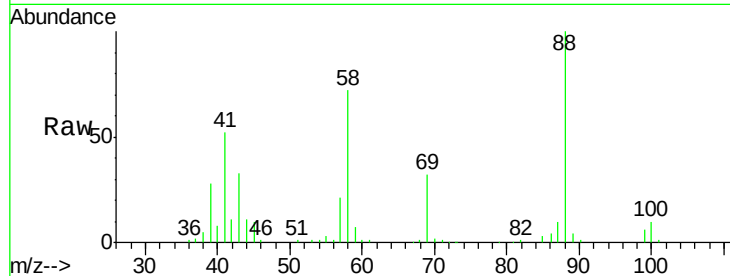




#49
1,4-Dioxane
Concen: 446.11 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

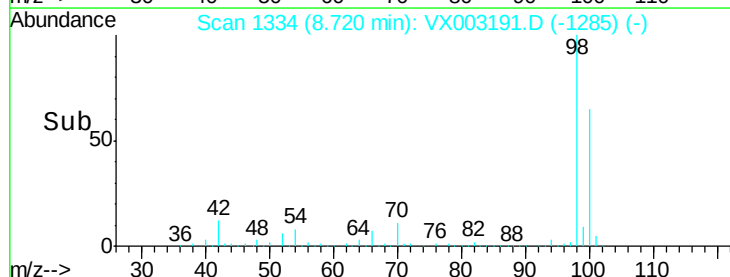
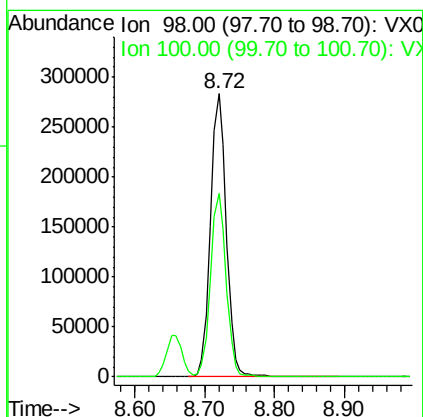
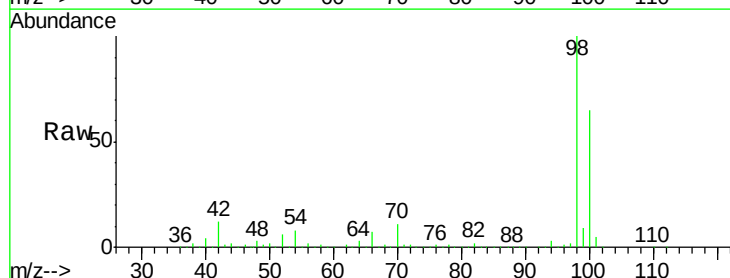
Instrument :
MSVOA_X
ClientSampleId :

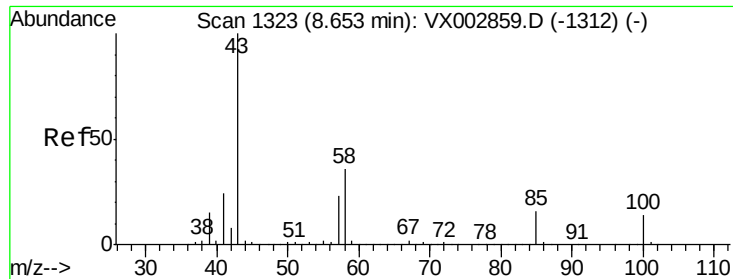
Tot Ion: 88 Resp: 30816
Ion Ratio Lower Upper
88 100
43 35.7 29.8 44.6
58 72.0 57.1 85.7



#50
Toluene-d8
Concen: 44.41 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Tgt Ion: 98 Resp: 446863
Ion Ratio Lower Upper
98 100
100 64.6 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 106.12 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

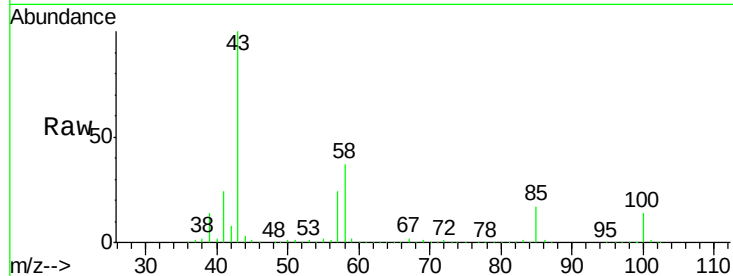
ClientSampleId :

Tot Ion: 43 Resp: 457512

Ion Ratio Lower Upper

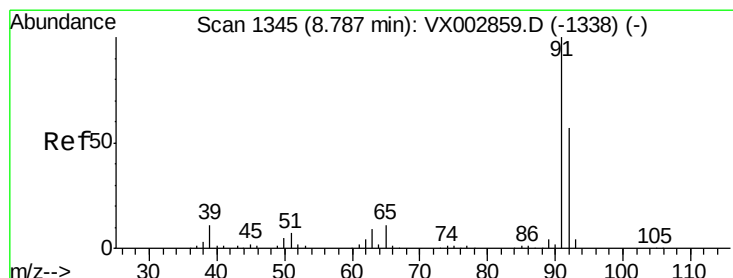
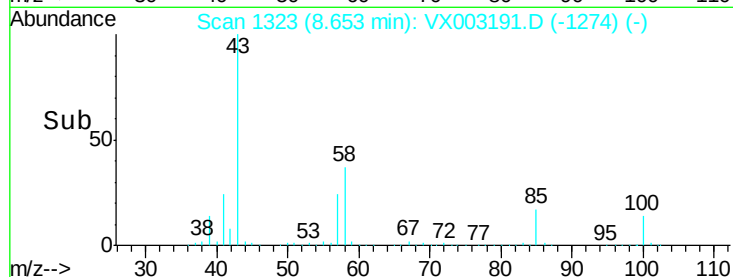
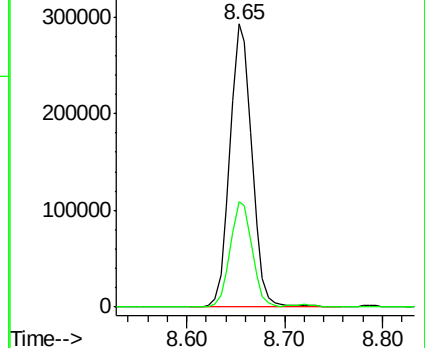
43 100

58 37.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.85 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003191.D

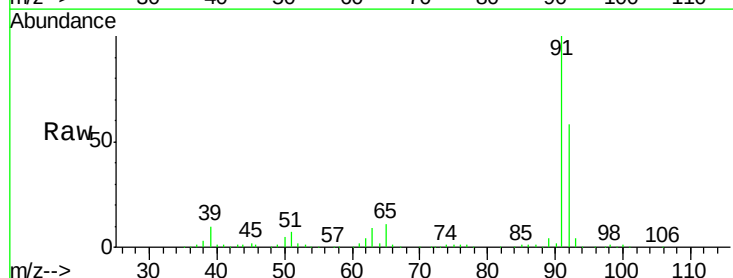
Acq: 06 Jul 2018 00:34

Tgt Ion: 92 Resp: 148123

Ion Ratio Lower Upper

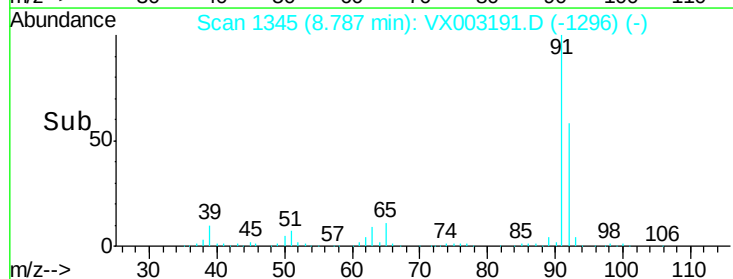
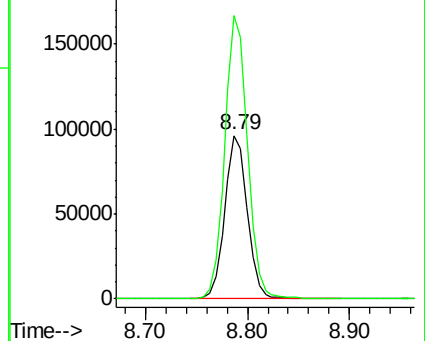
92 100

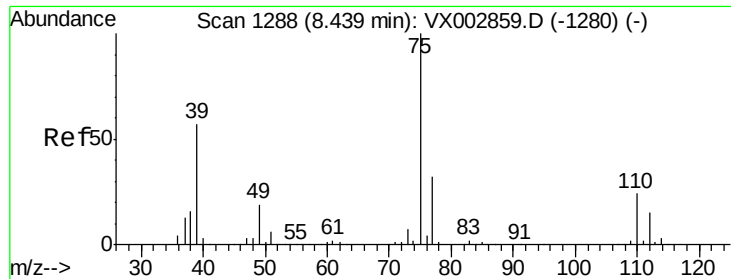
91 175.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 19.11 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

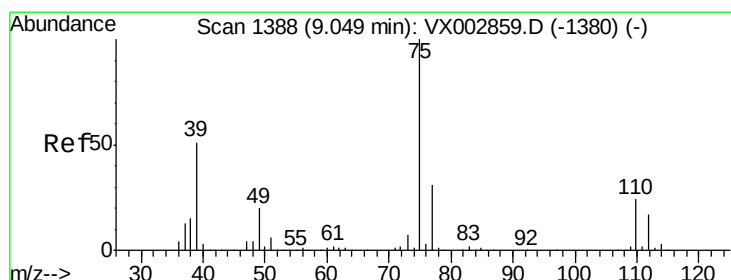
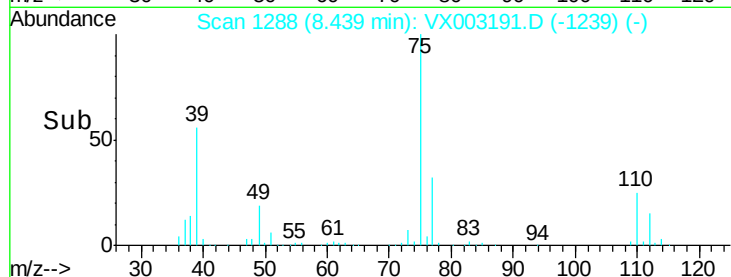
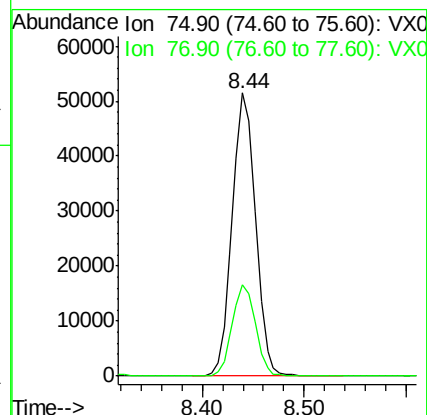
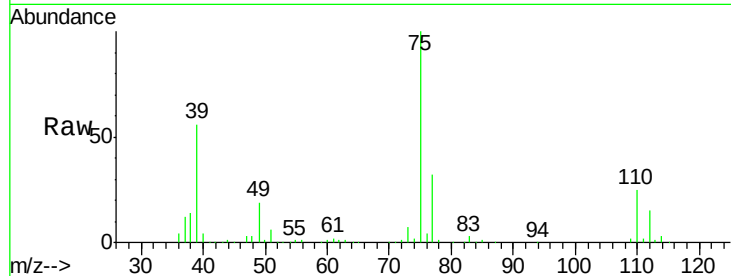
ClientSampleId :

Tot Ion: 75 Resp: 81657

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 17.97 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

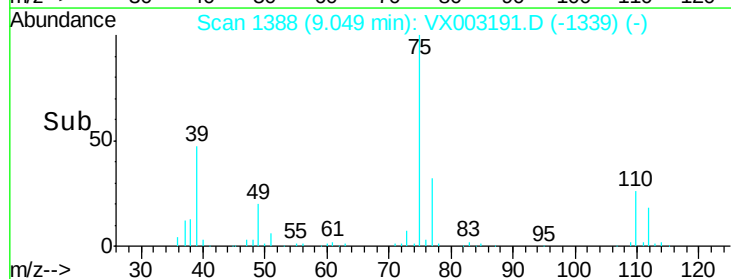
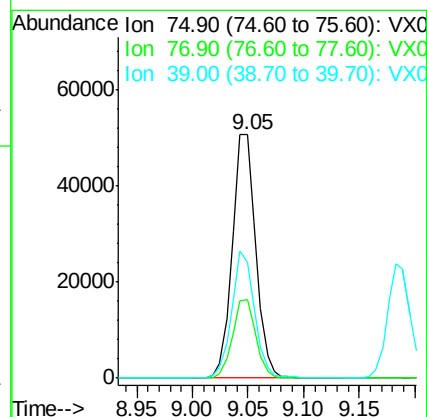
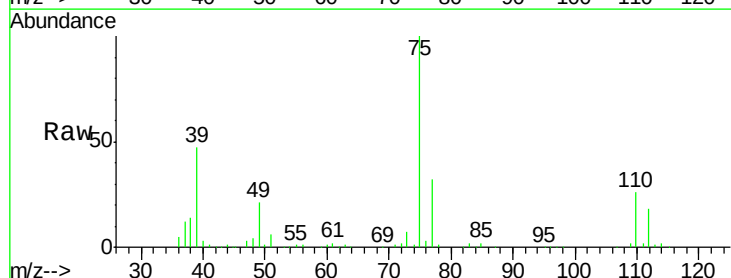
Tgt Ion: 75 Resp: 73892

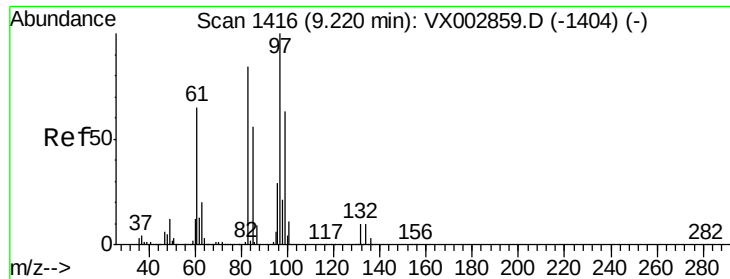
Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2

39 47.0 42.4 63.6

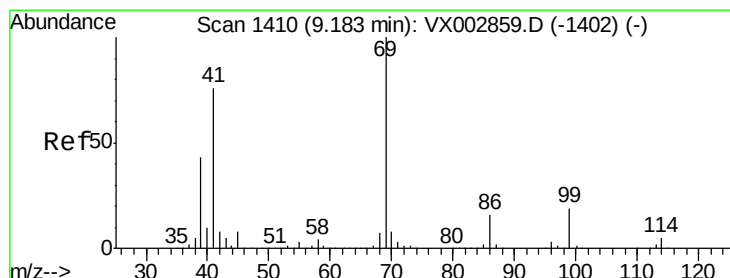
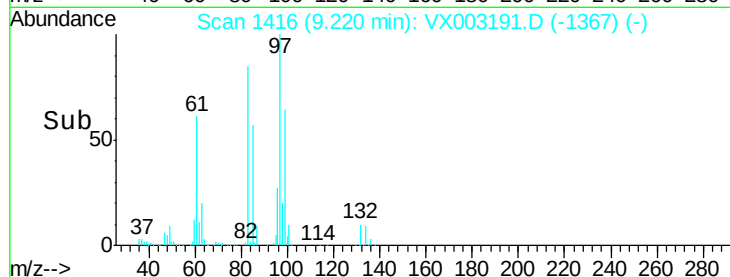
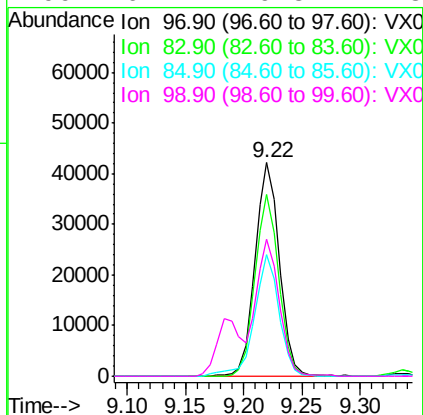
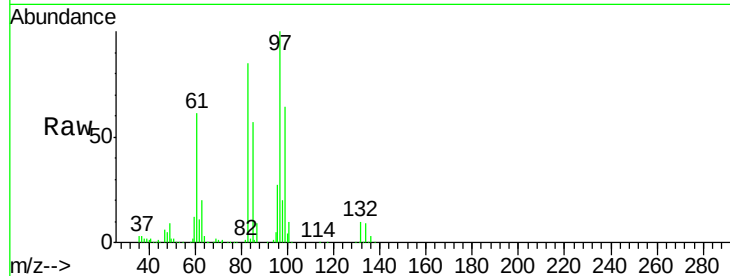




#55
 1,1,2-Trichloroethane
 Concen: 21.11 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

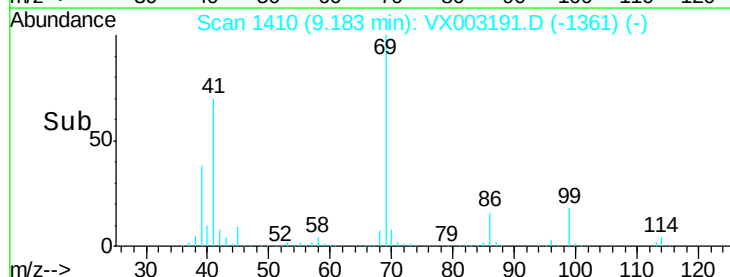
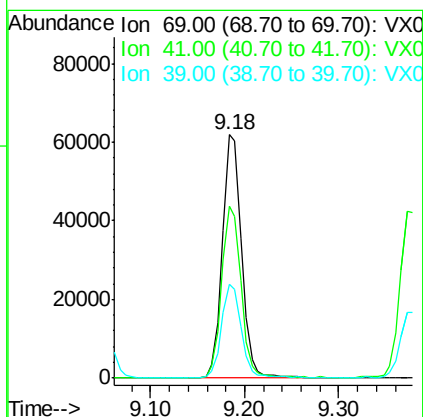
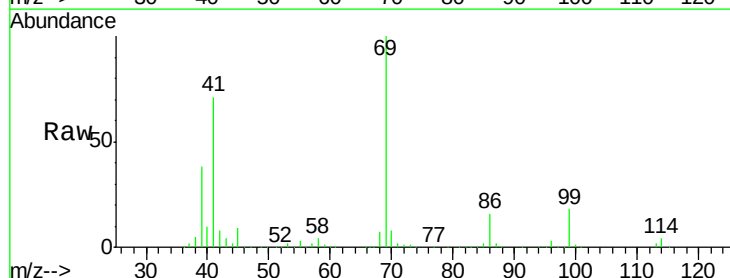
Instrument :
 MSVOA_X
 ClientSampleId :

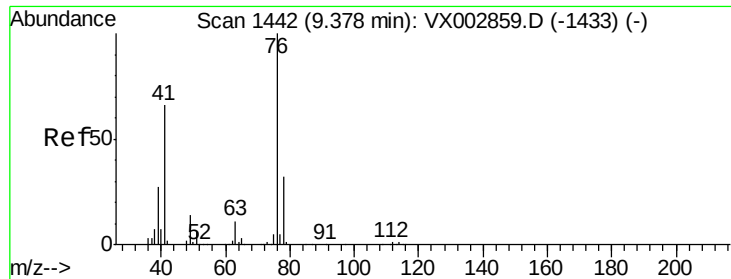
Tot Ion: 97 Resp: 61604
 Ion Ratio Lower Upper
 97 100
 83 85.1 70.2 105.2
 85 56.9 44.9 67.3
 99 64.4 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 20.53 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

Tgt Ion: 69 Resp: 87588
 Ion Ratio Lower Upper
 69 100
 41 71.4 60.3 90.5
 39 39.1 35.8 53.8

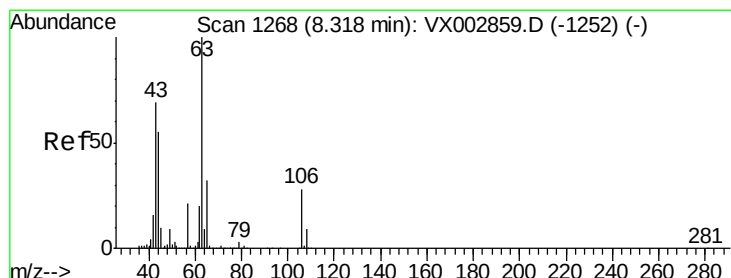
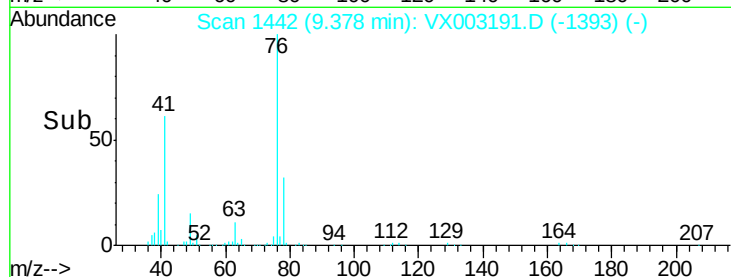
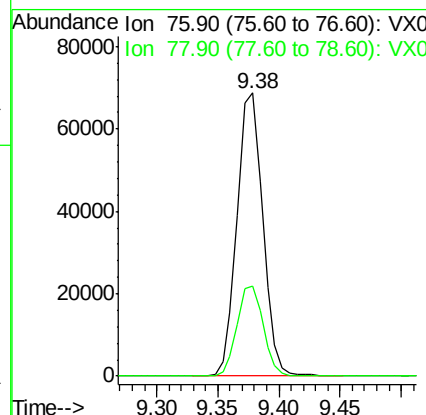
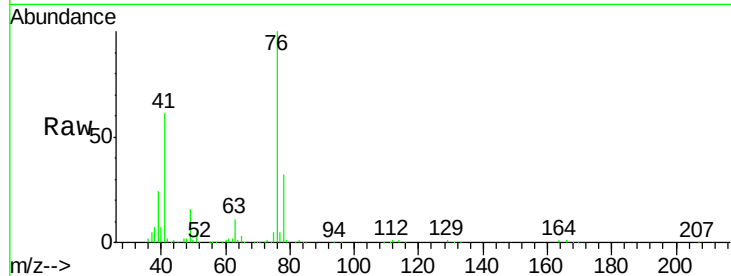




#57
 1,3-Dichloropropane
 Concen: 20.95 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

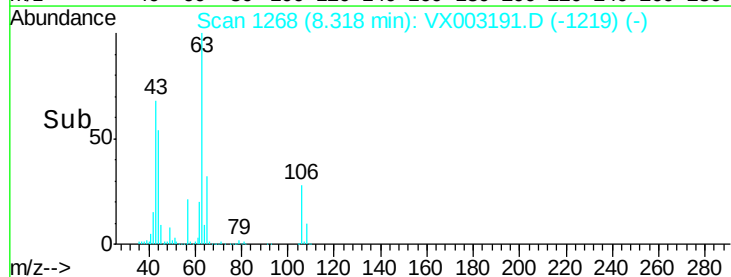
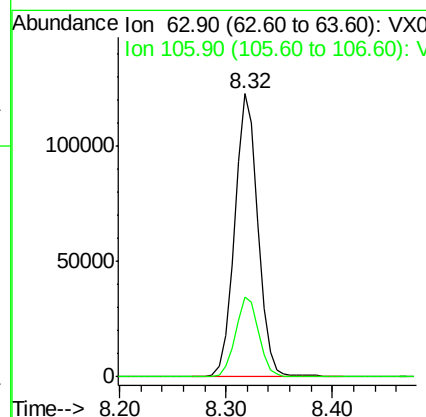
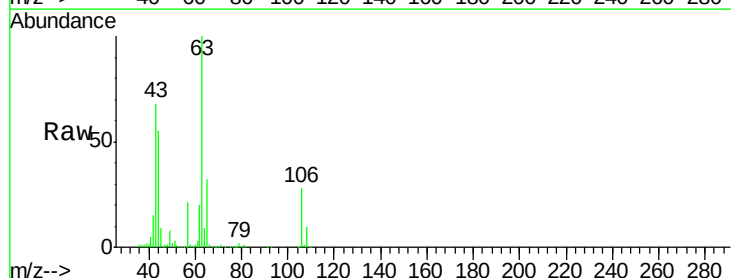
Instrument :
 MSVOA_X
 ClientSampleId :

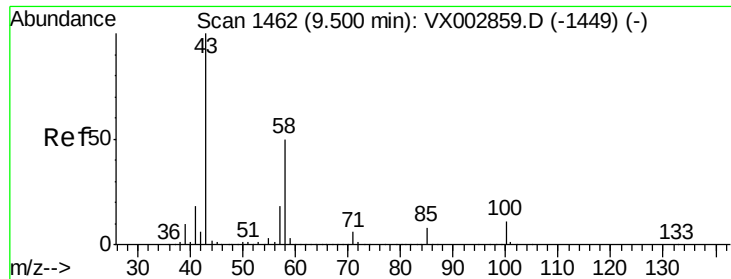
Tot Ion: 76 Resp: 100431
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.36 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

Tgt Ion: 63 Resp: 188017
 Ion Ratio Lower Upper
 63 100
 106 28.4 21.8 32.8

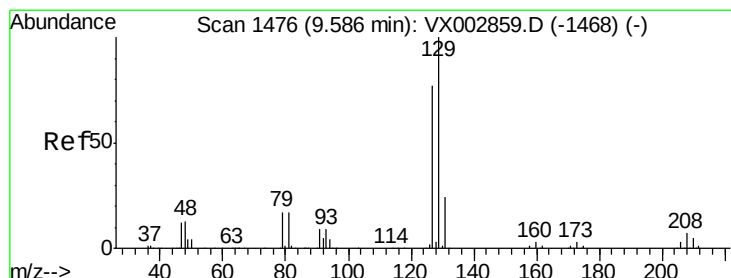
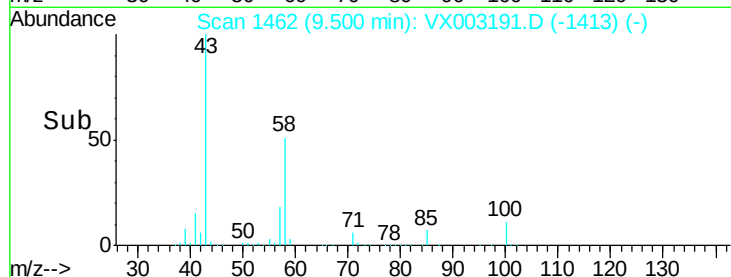
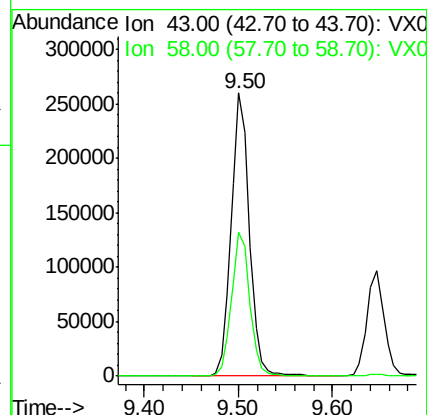
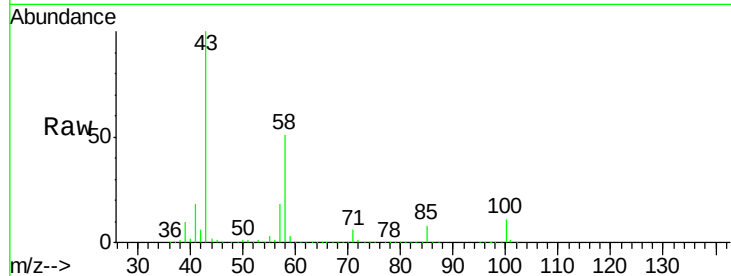




#59
2-Hexanone
Concen: 106.34 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

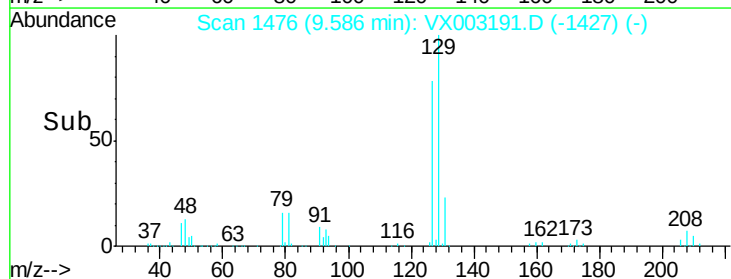
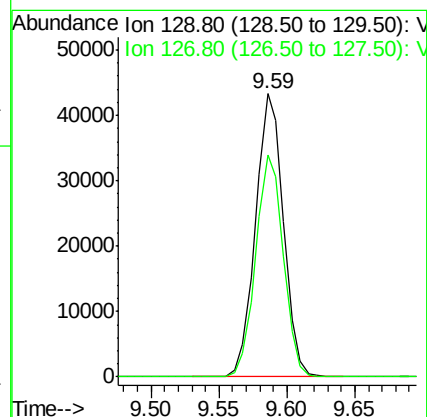
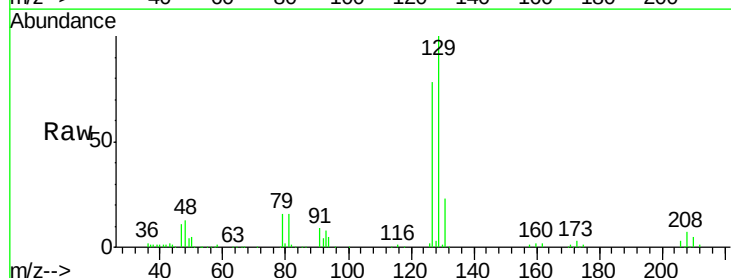
Instrument :
MSVOA_X
ClientSampled :

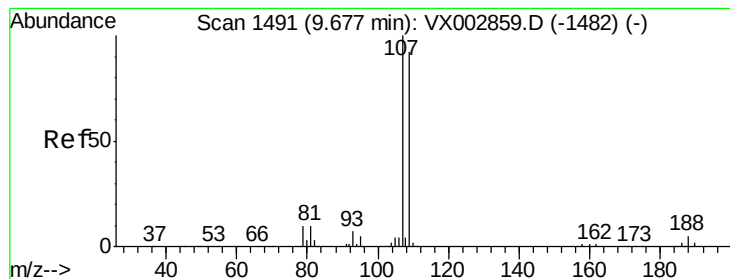
Tot Ion: 43 Resp: 348423
Ion Ratio Lower Upper
43 100
58 51.4 24.6 73.6



#60
Dibromochloromethane
Concen: 20.32 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Tgt Ion: 129 Resp: 62438
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 21.31 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

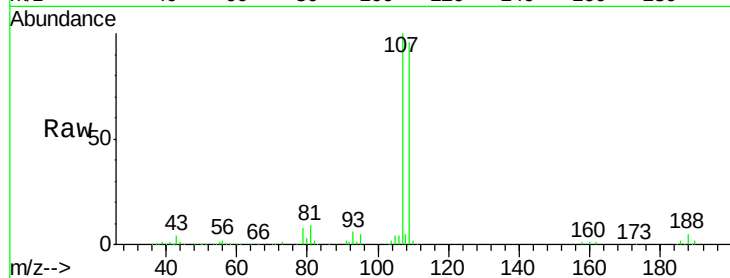
ClientSampleId :

Tot Ion:107 Resp: 65241

Ion Ratio Lower Upper

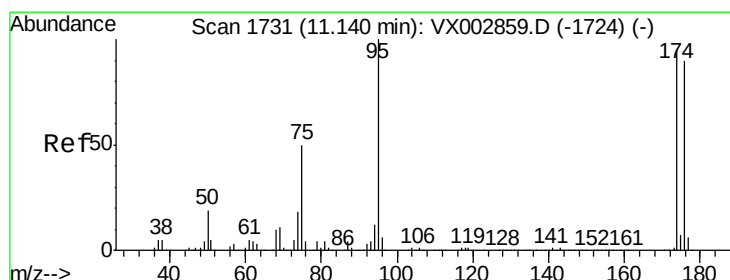
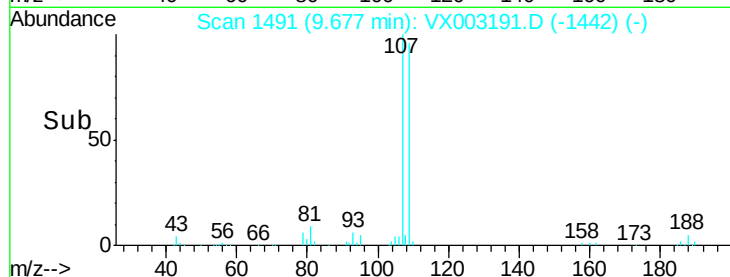
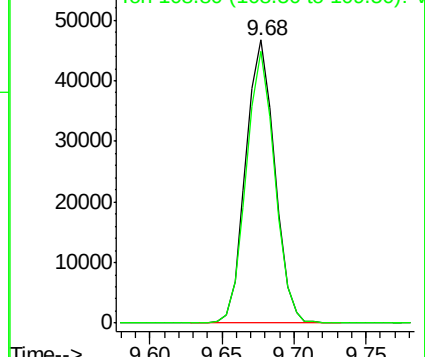
107 100

109 94.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

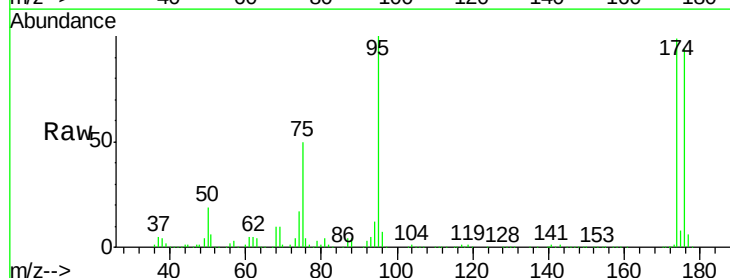
Tgt Ion: 95 Resp: 171124

Ion Ratio Lower Upper

95 100

174 98.9 0.0 187.4

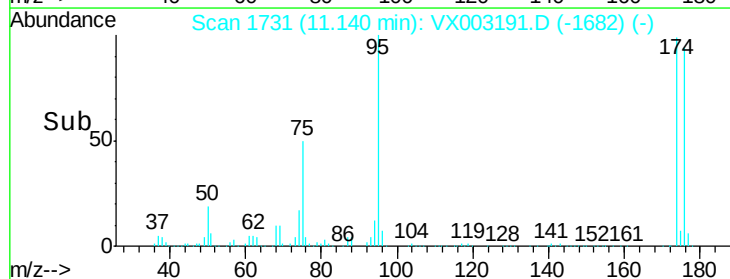
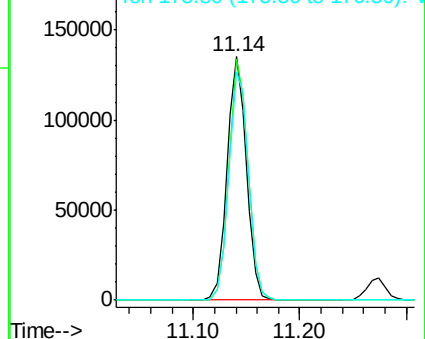
176 96.4 0.0 181.0

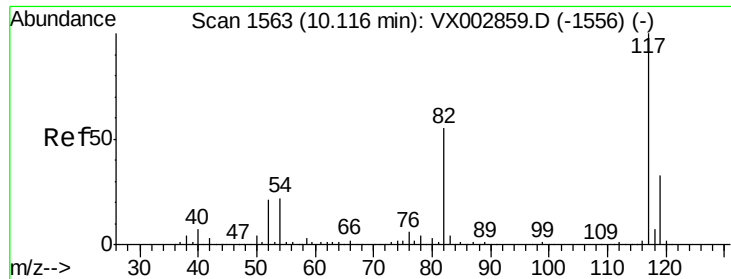


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

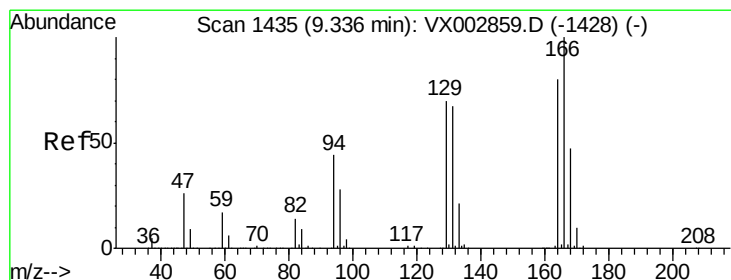
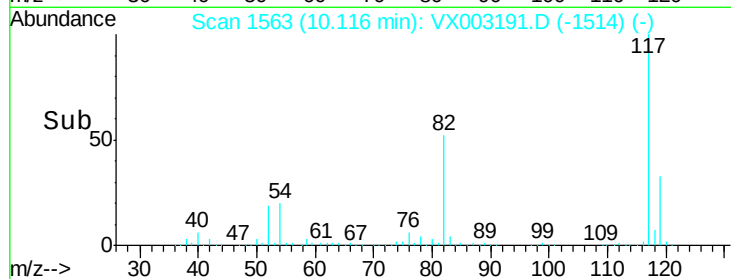
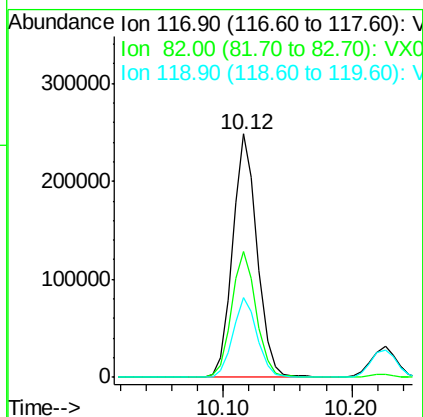
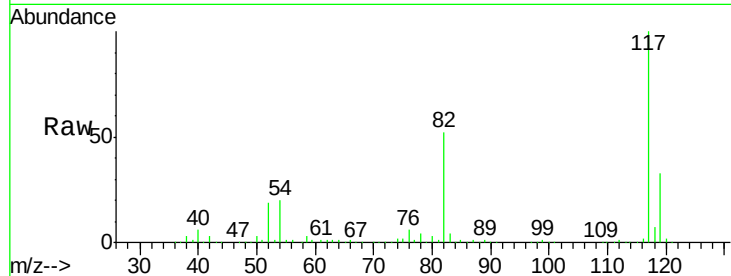




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

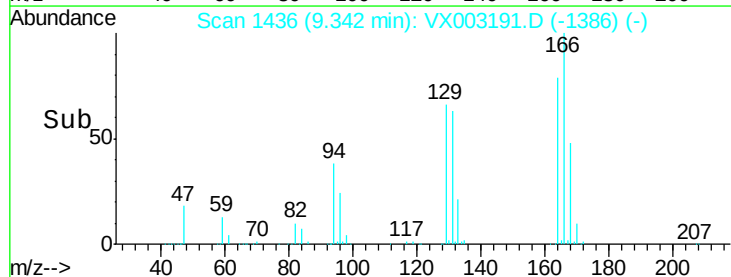
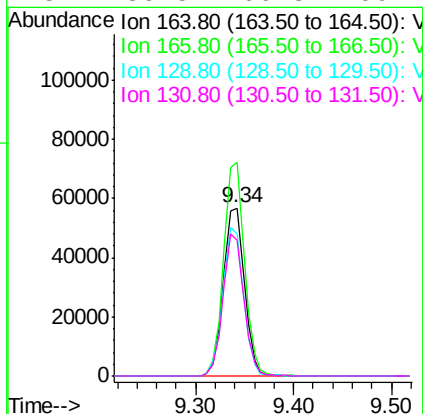
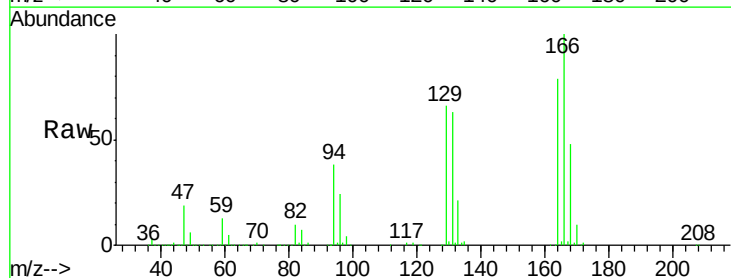
Instrument :
MSVOA_X
ClientSampleId :

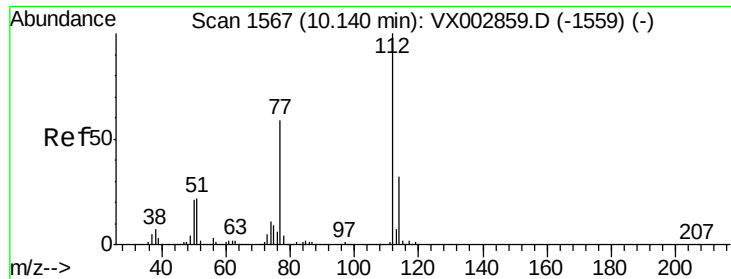
Tot Ion:117 Resp: 330189
Ion Ratio Lower Upper
117 100
82 51.7 45.0 67.4
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 23.36 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Tgt Ion:164 Resp: 85749
Ion Ratio Lower Upper
164 100
166 126.9 102.9 154.3
129 84.3 68.6 102.8
131 80.5 66.8 100.2

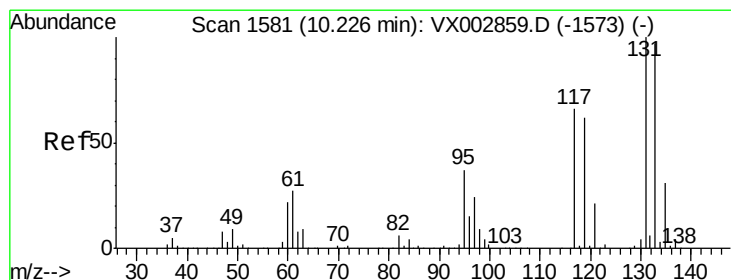
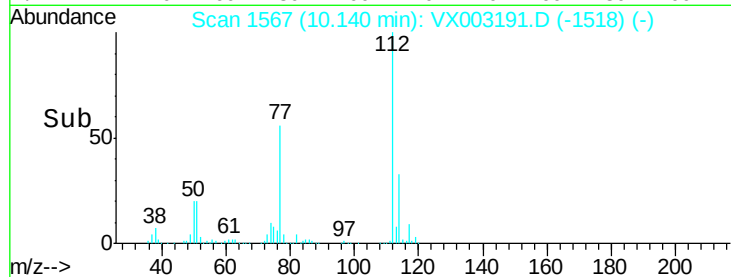
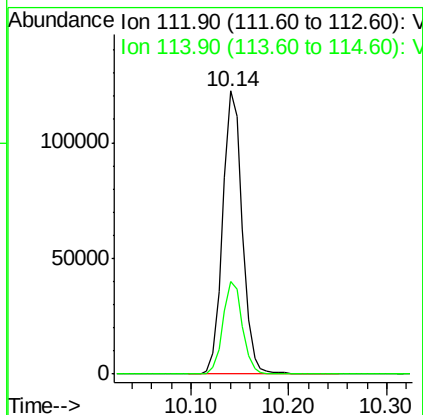
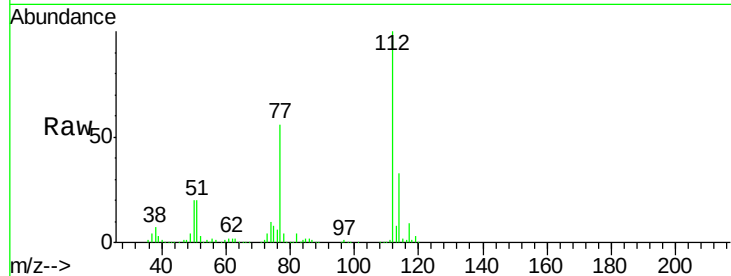




#65
Chlorobenzene
Concen: 20.35 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

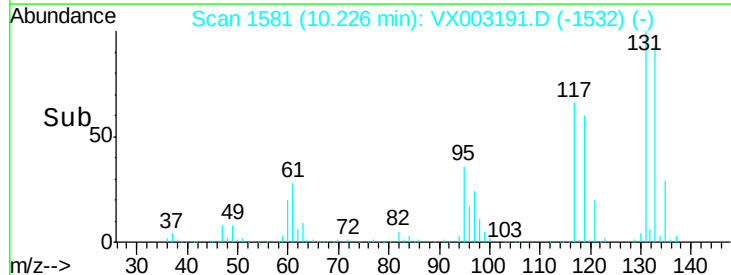
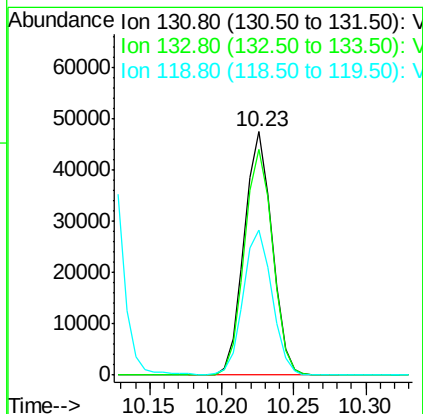
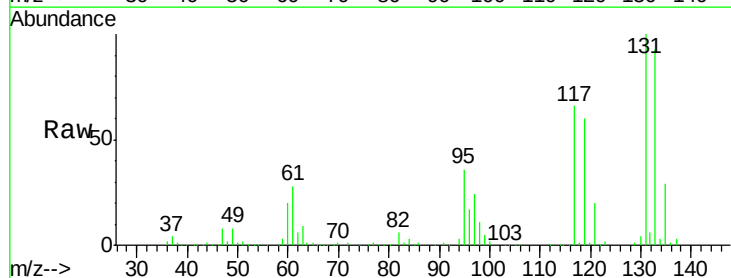
Instrument :
MSVOA_X
ClientSampled :

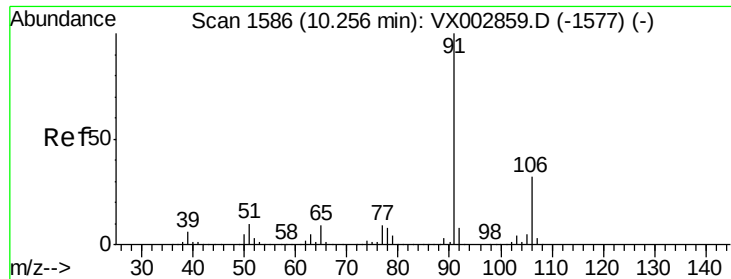
Tot Ion:112 Resp: 170633
Ion Ratio Lower Upper
112 100
114 32.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.99 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Tgt Ion:131 Resp: 63956
Ion Ratio Lower Upper
131 100
133 93.8 47.9 143.6
119 60.9 31.8 95.3

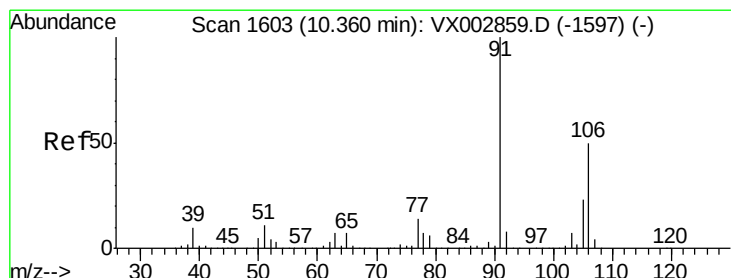
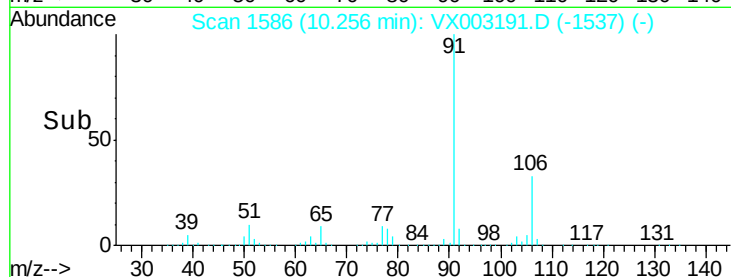
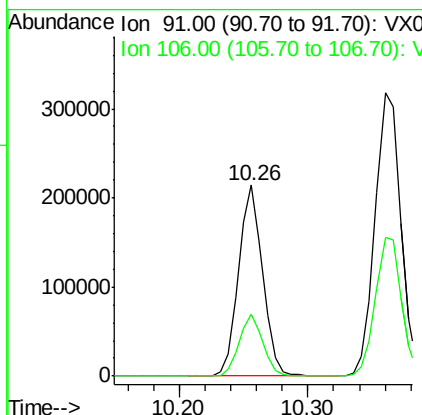
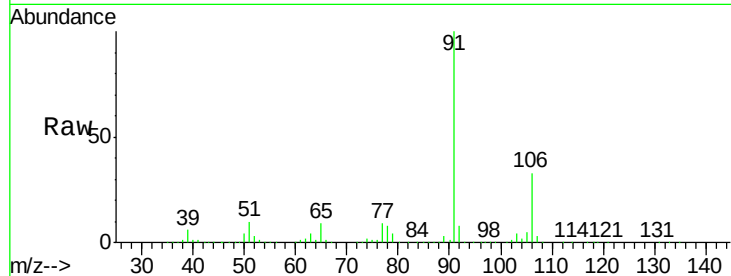




#67
Ethyl Benzene
Concen: 20.11 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

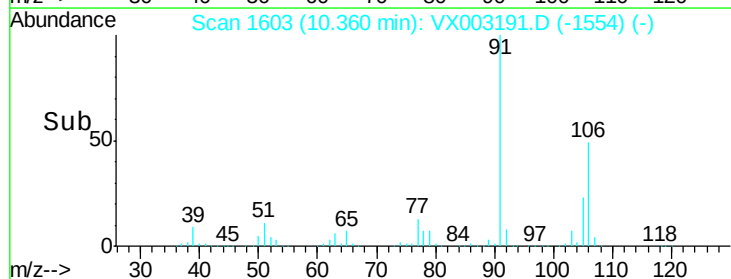
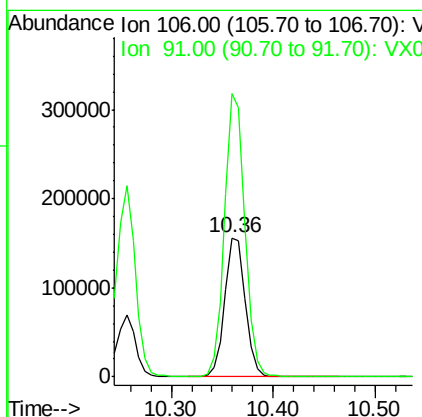
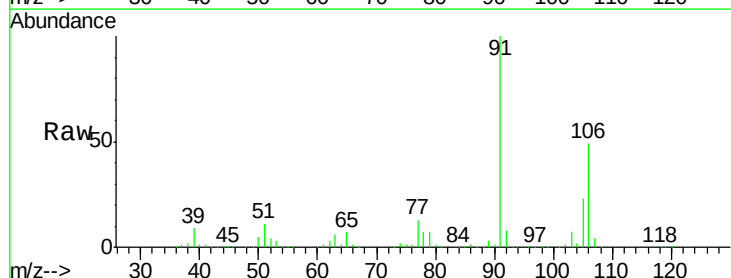
Instrument :
MSVOA_X
ClientSampleId :

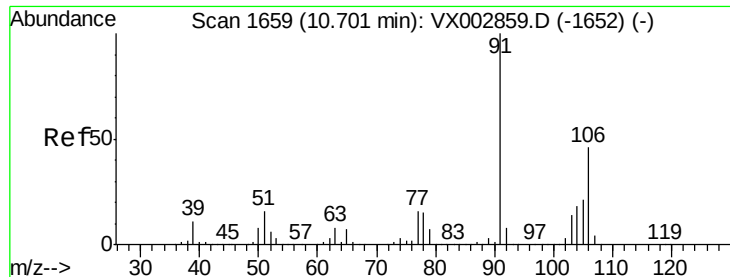
Tot Ion: 91 Resp: 278590
Ion Ratio Lower Upper
91 100
106 32.6 25.5 38.3



#68
m/p-Xylenes
Concen: 40.78 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Tgt Ion: 106 Resp: 217746
Ion Ratio Lower Upper
106 100
91 201.9 163.4 245.2

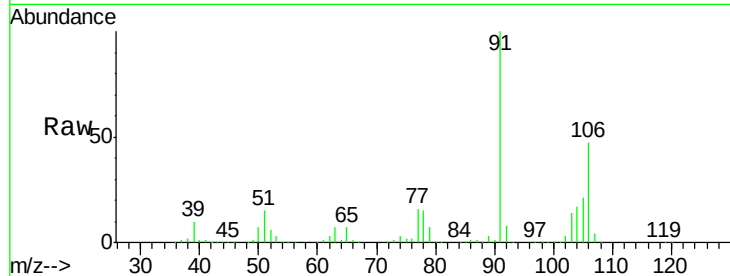




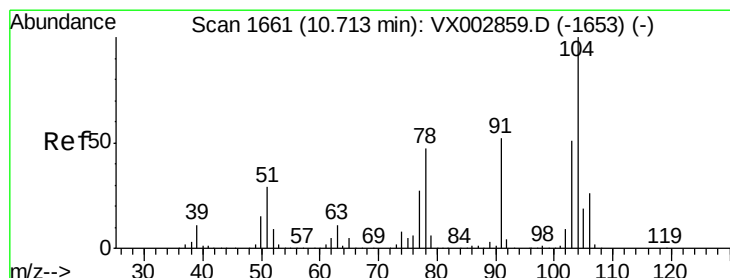
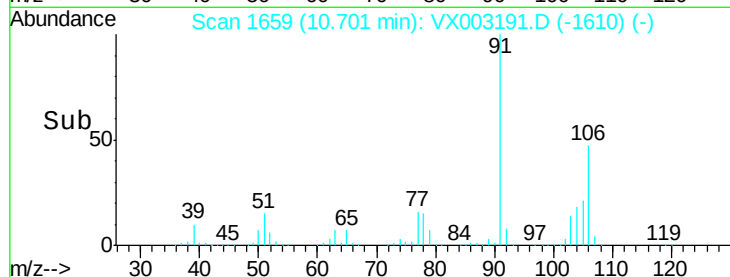
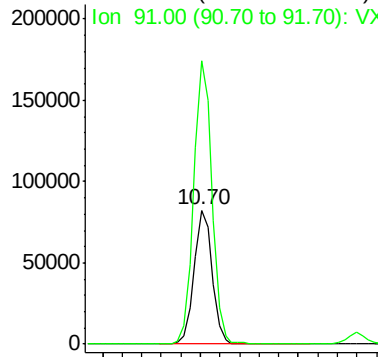
#69
o-Xylene
Concen: 20.43 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 106236
Ion Ratio Lower Upper
106 100
91 212.8 108.2 324.6

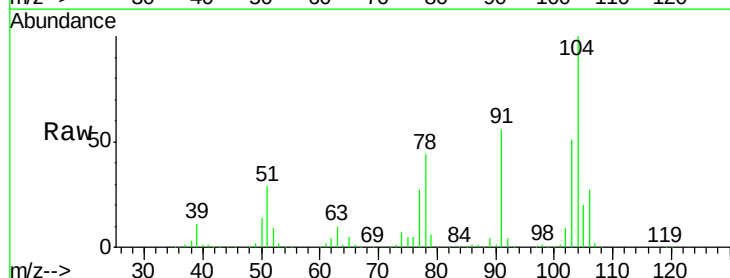


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

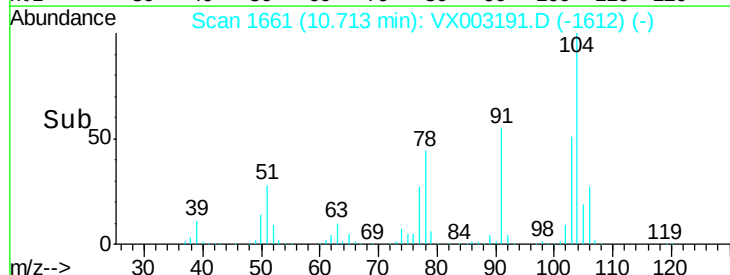
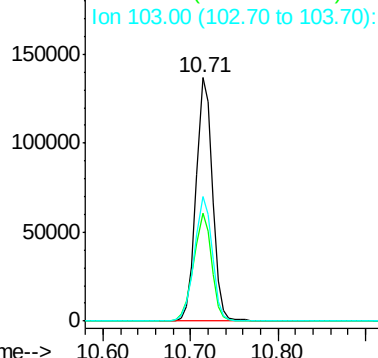


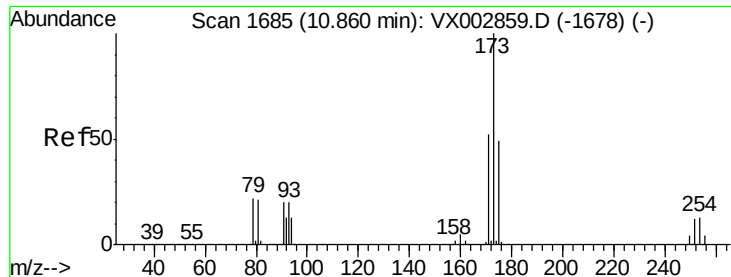
#70
Styrene
Concen: 21.05 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Tgt Ion:104 Resp: 177856
Ion Ratio Lower Upper
104 100
78 48.8 41.0 61.6
103 55.5 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

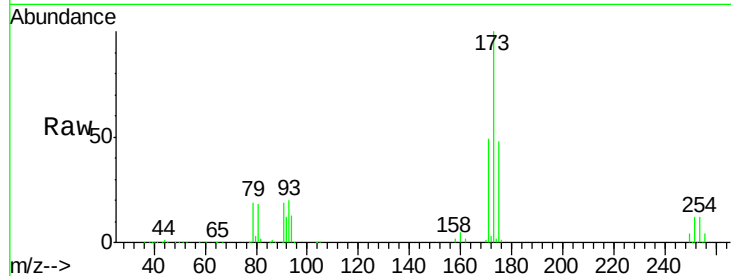




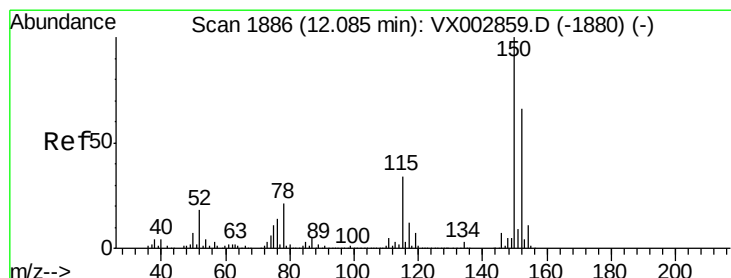
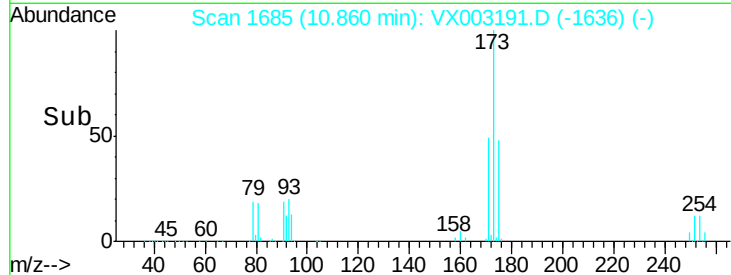
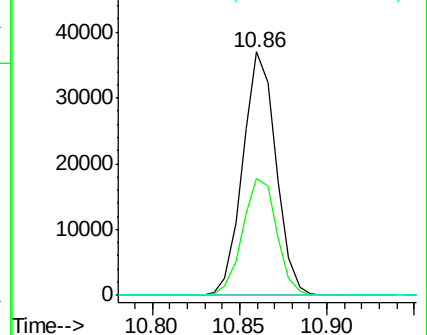
#71
Bromoform
Concen: 20.26 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:173 Resp: 48846
Ion Ratio Lower Upper
173 100
175 49.1 24.7 74.1
254 0.2 0.2 0.2

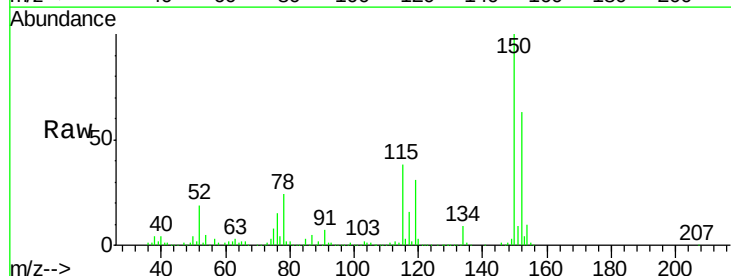


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

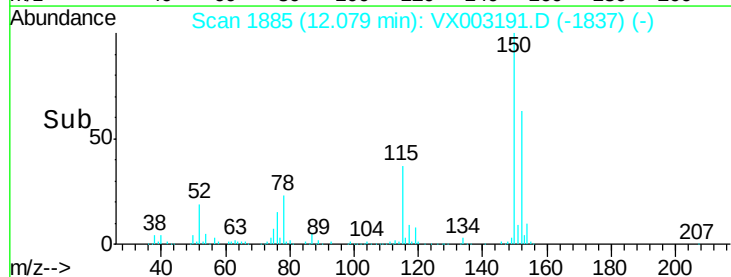
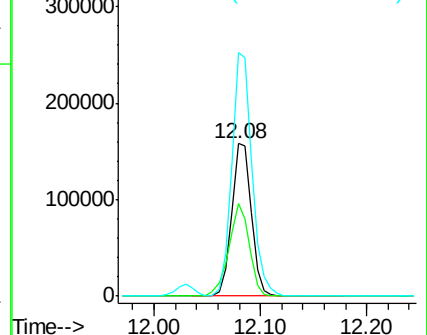


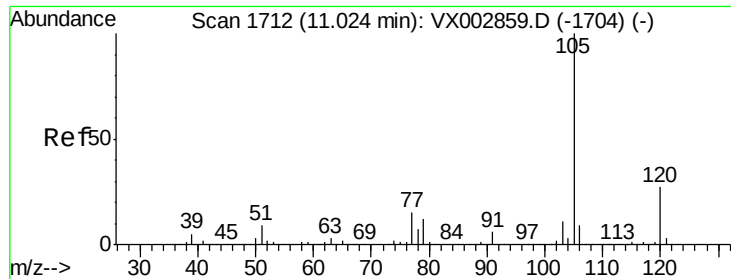
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Tgt Ion:152 Resp: 203925
Ion Ratio Lower Upper
152 100
115 63.2 40.1 120.2
150 164.9 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.10 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

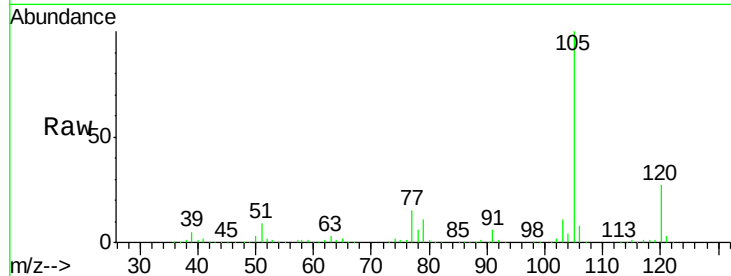
ClientSampleId :

Tot Ion:105 Resp: 289494

Ion Ratio Lower Upper

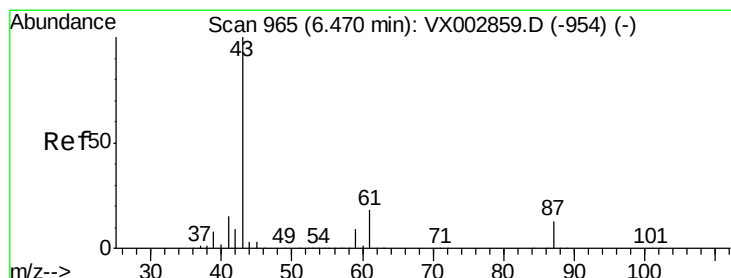
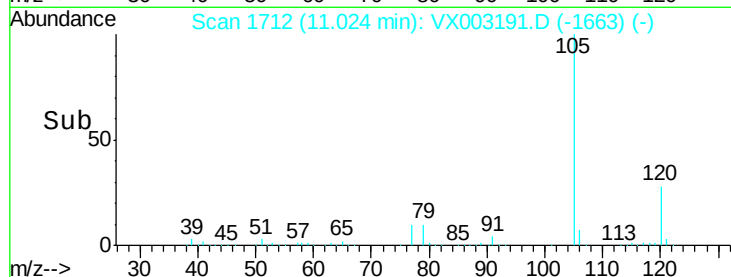
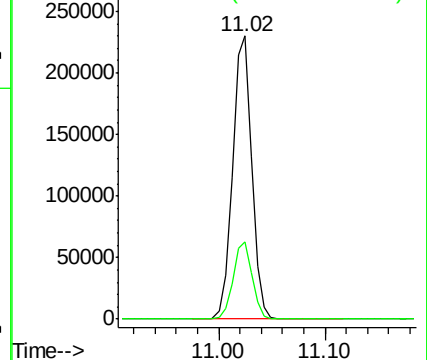
105 100

120 27.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.63 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Tgt Ion: 43 Resp: 138489

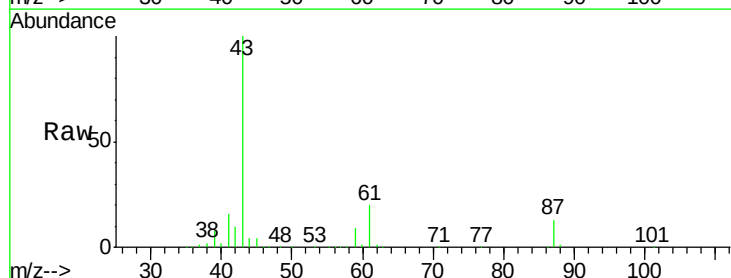
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 19.2 14.4 21.6

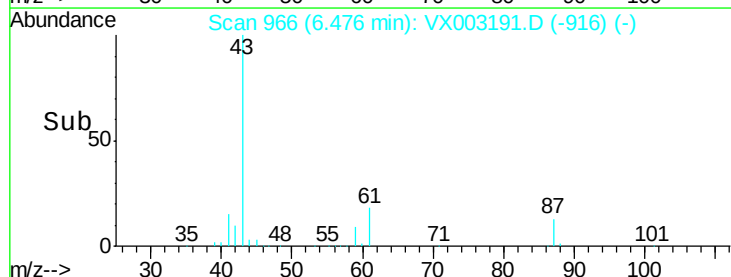
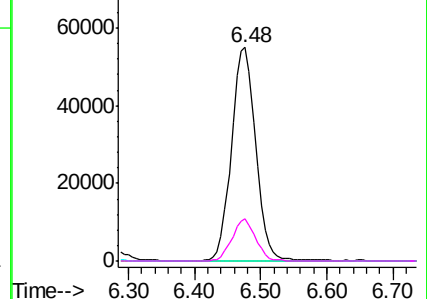


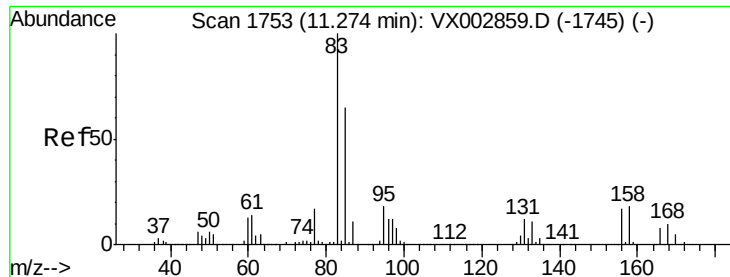
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.11 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

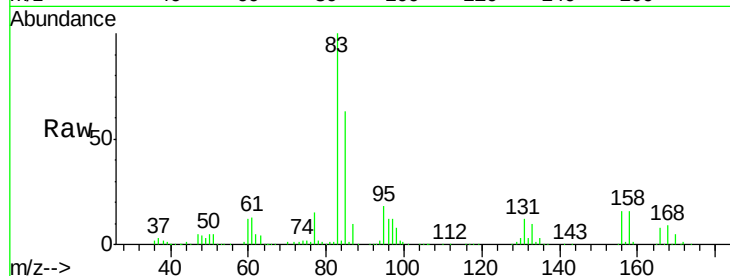
Tot Ion: 83 Resp: 89212

Ion Ratio Lower Upper

83 100

131 11.3 5.6 16.8

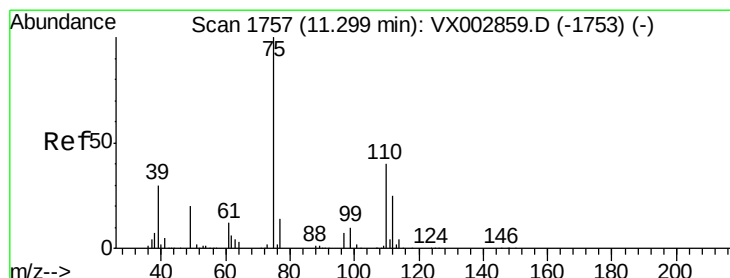
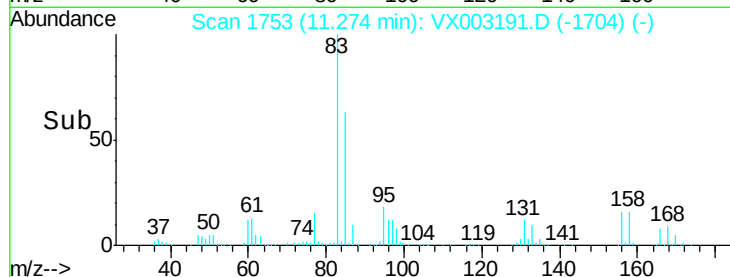
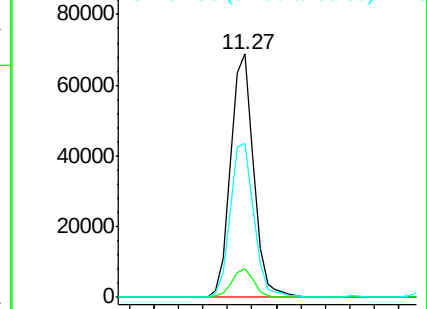
85 65.1 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.37 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003191.D

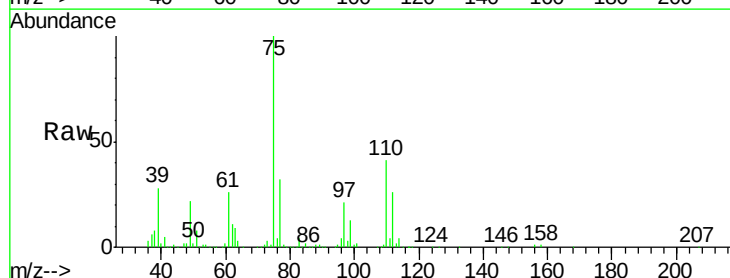
Acq: 06 Jul 2018 00:34

Tgt Ion: 75 Resp: 97396

Ion Ratio Lower Upper

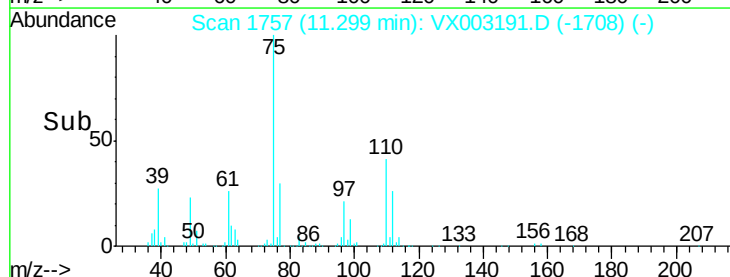
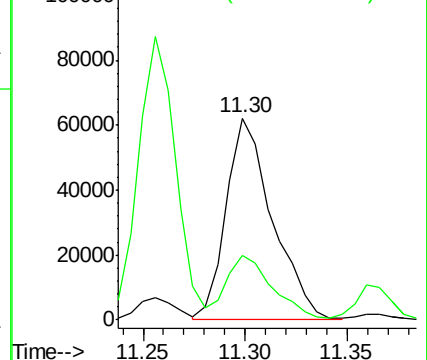
75 100

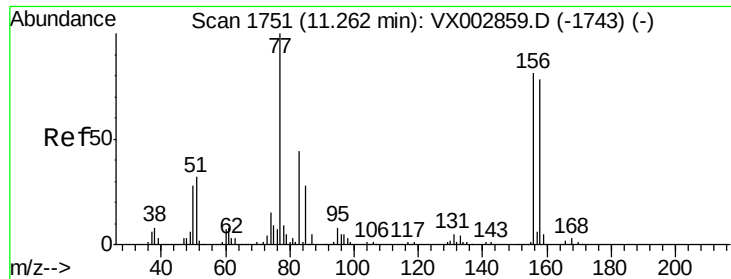
77 32.2 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.05 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

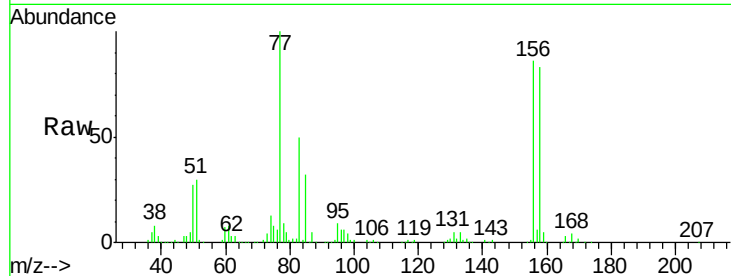
Tot Ion:156 Resp: 82243

Ion Ratio Lower Upper

156 100

77 134.4 71.4 214.2

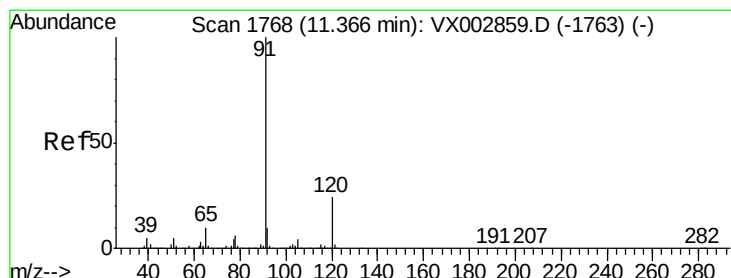
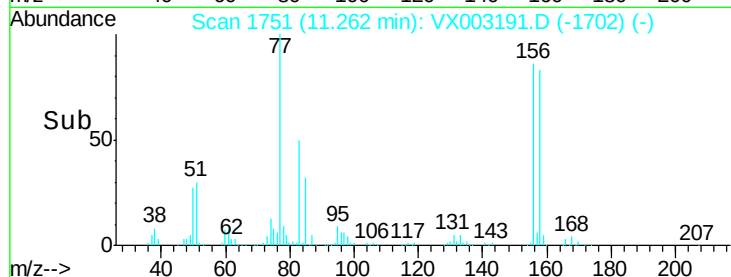
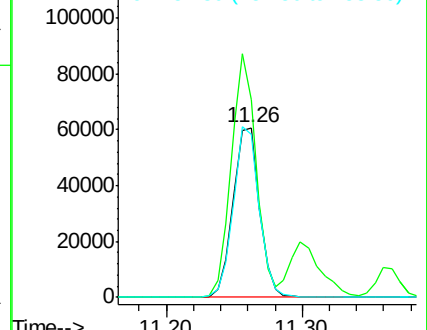
158 98.4 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.46 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003191.D

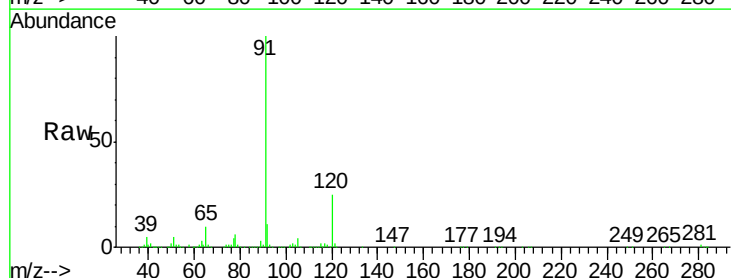
Acq: 06 Jul 2018 00:34

Tgt Ion: 91 Resp: 319433

Ion Ratio Lower Upper

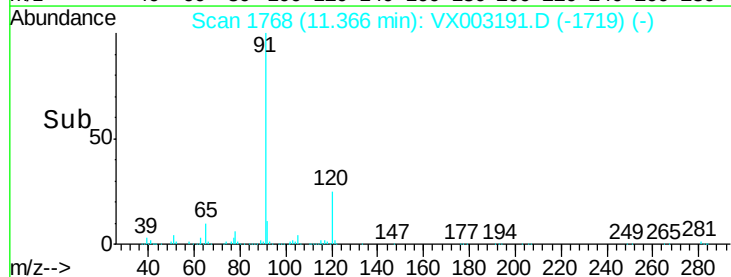
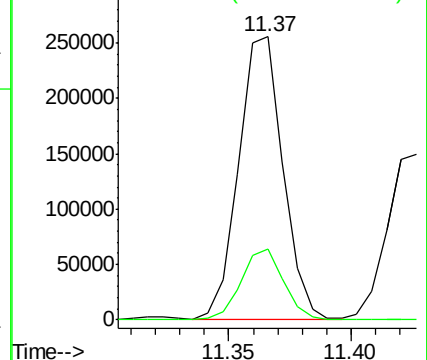
91 100

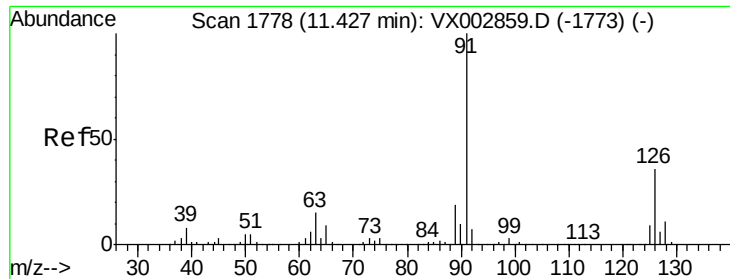
120 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.66 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

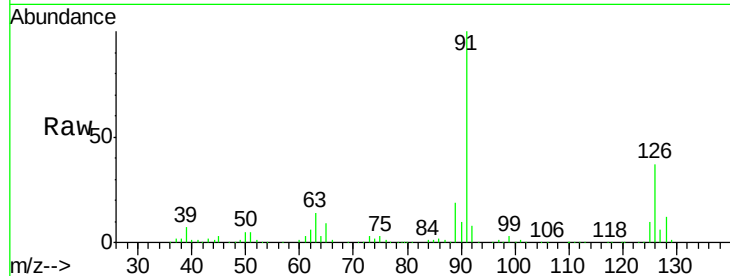
ClientSampled :

Tot Ion: 91 Resp: 195324

Ion Ratio Lower Upper

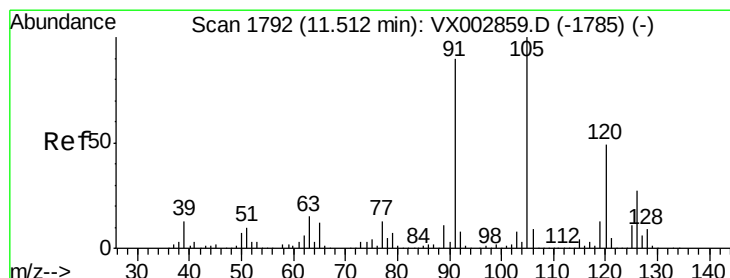
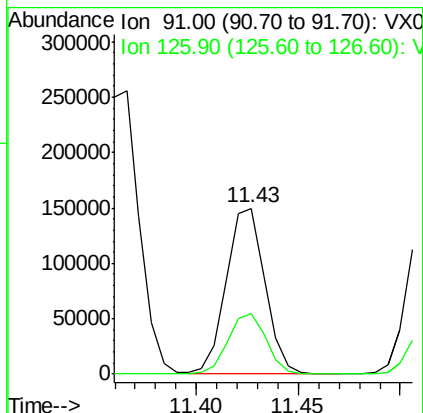
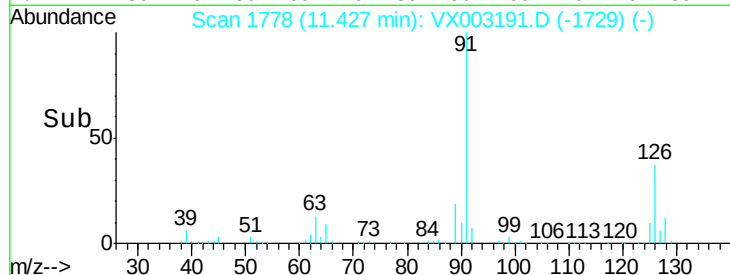
91 100

126 36.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX003191.D (-1729) (-)

Ion 125.90 (125.60 to 126.60): VX003191.D (-1729) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.70 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003191.D

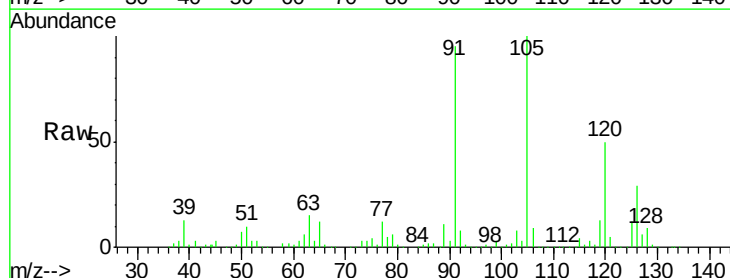
Acq: 06 Jul 2018 00:34

Tgt Ion: 105 Resp: 239230

Ion Ratio Lower Upper

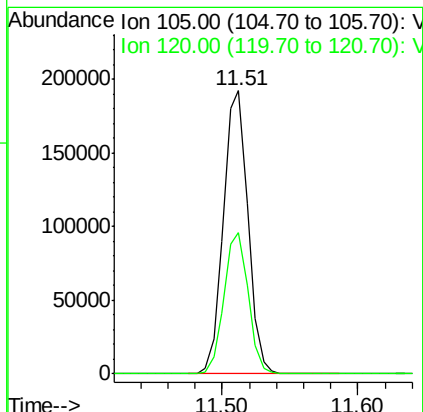
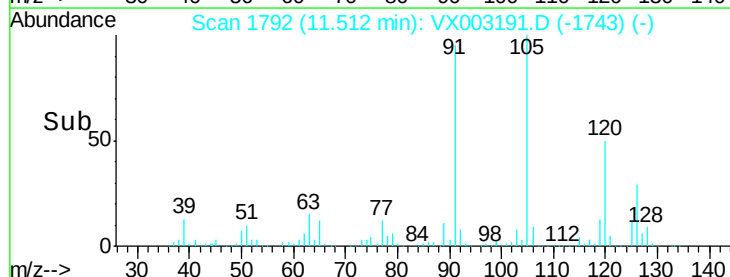
105 100

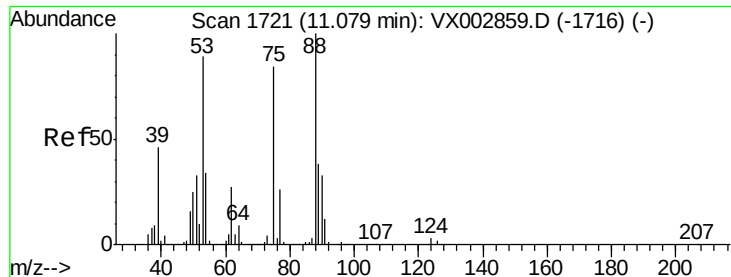
120 49.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003191.D (-1743) (-)

Ion 120.00 (119.70 to 120.70): VX003191.D (-1743) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.90 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

ClientSampled :

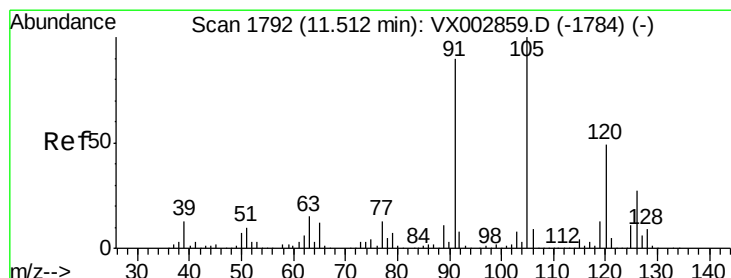
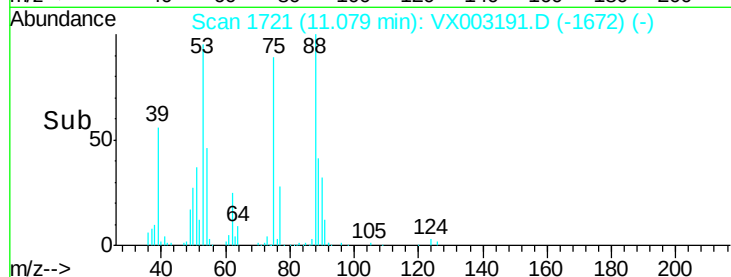
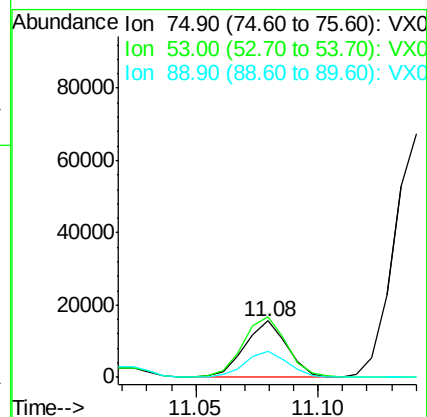
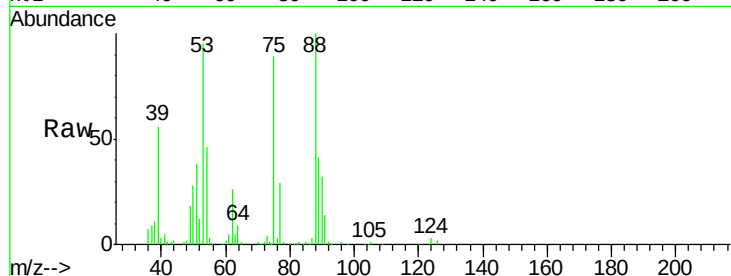
Tot Ion: 75 Resp: 18482

Ion Ratio Lower Upper

75 100

53 111.0 86.8 130.2

89 47.8 38.2 57.2



#82

4-Chlorotoluene

Concen: 20.20 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003191.D

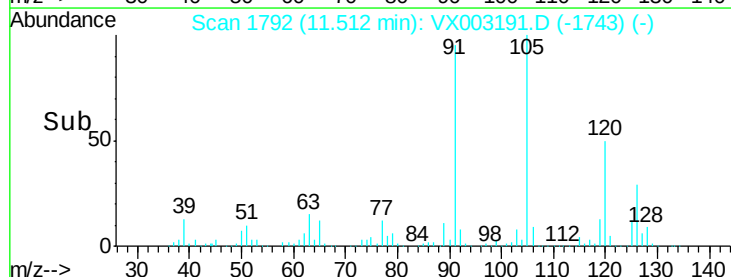
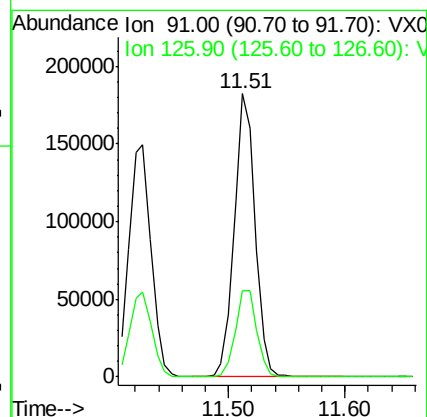
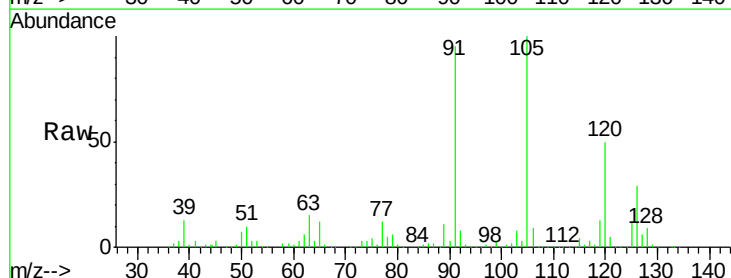
Acq: 06 Jul 2018 00:34

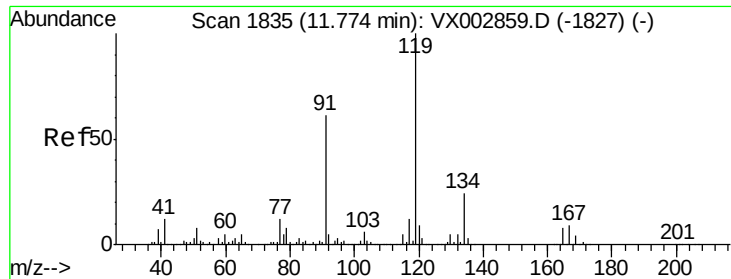
Tgt Ion: 91 Resp: 226128

Ion Ratio Lower Upper

91 100

126 31.8 15.4 46.4

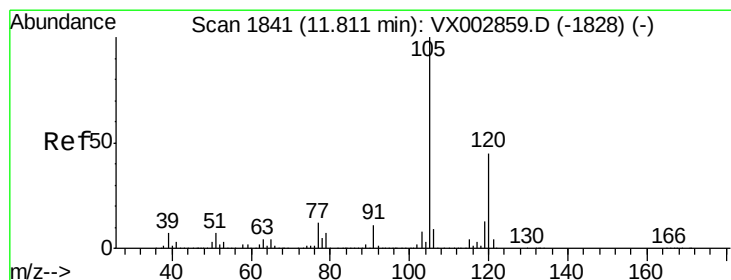
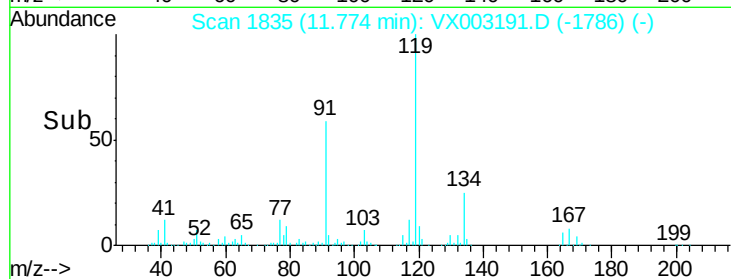
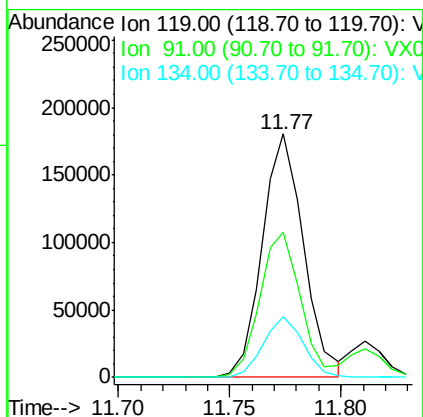
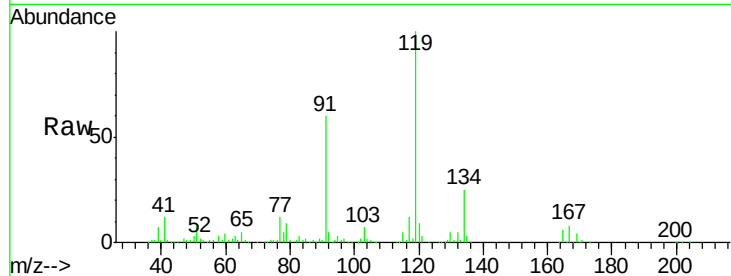




#83
 tert-Butylbenzene
 Concen: 20.41 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

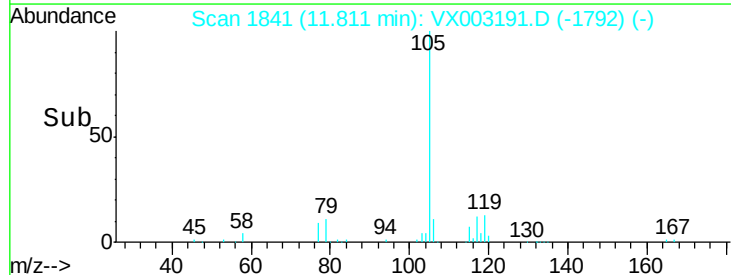
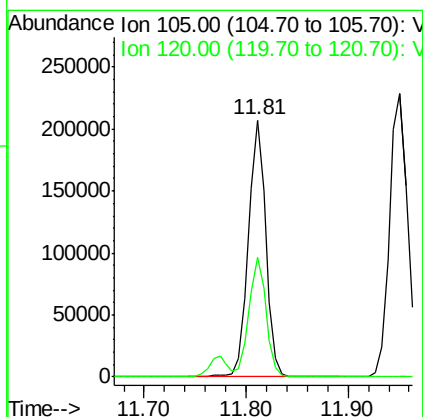
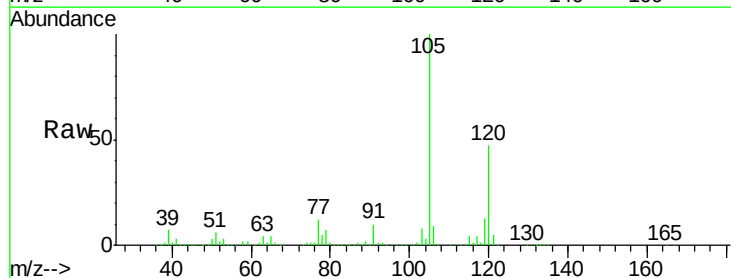
Instrument :
 MSVOA_X
 ClientSampleId :

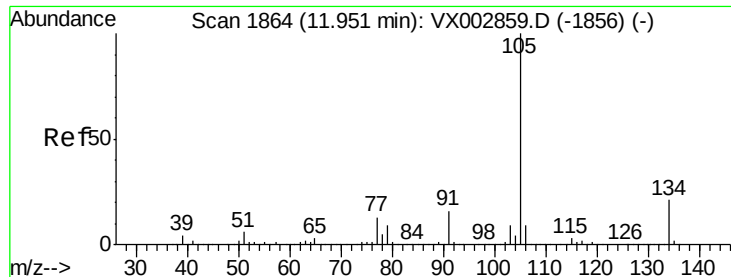
Tot Ion:119 Resp: 232416
 Ion Ratio Lower Upper
 119 100
 91 59.6 30.3 90.9
 134 24.2 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.64 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

Tgt Ion:105 Resp: 247086
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.56 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

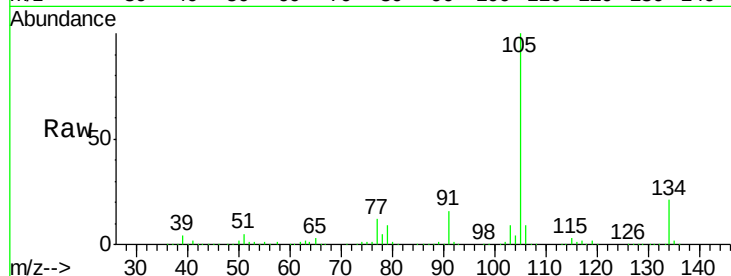
ClientSampleId :

Tot Ion:105 Resp: 284046

Ion Ratio Lower Upper

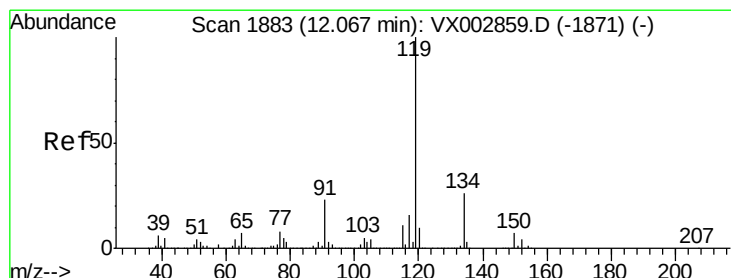
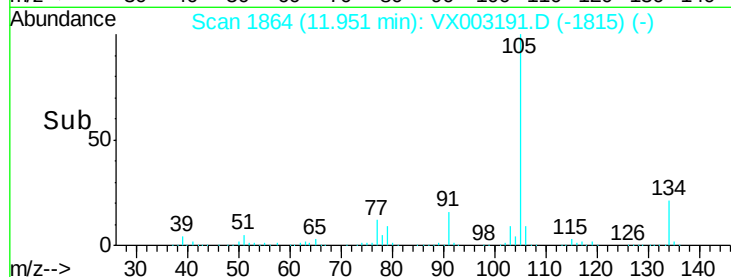
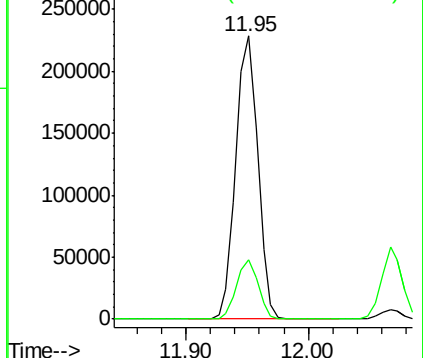
105 100

134 20.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.56 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

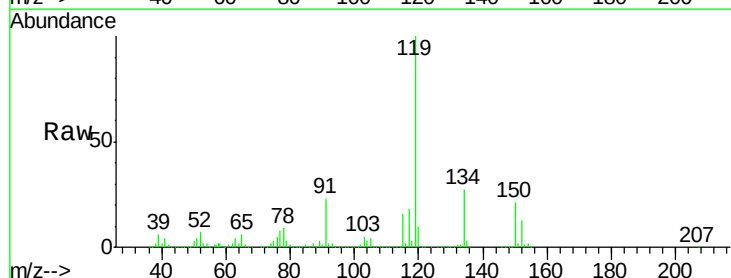
Tgt Ion:119 Resp: 255332

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

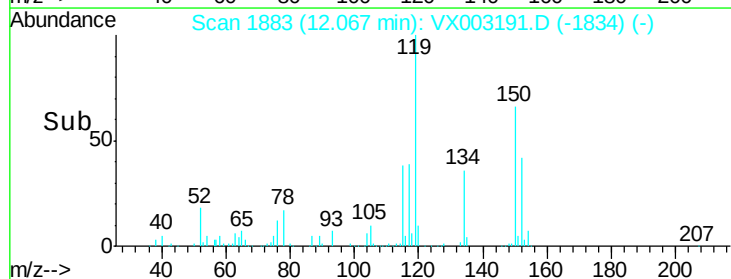
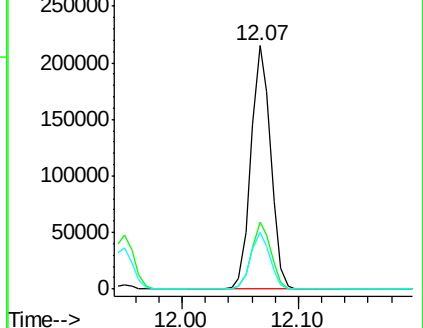
91 22.9 11.9 35.7

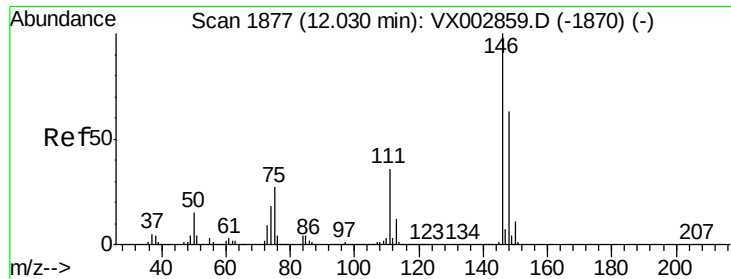


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

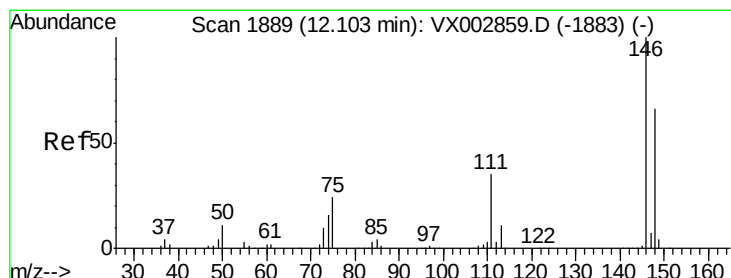
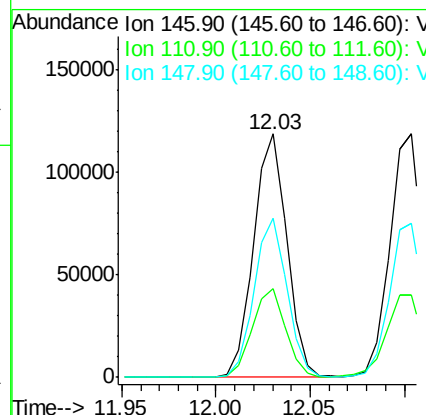
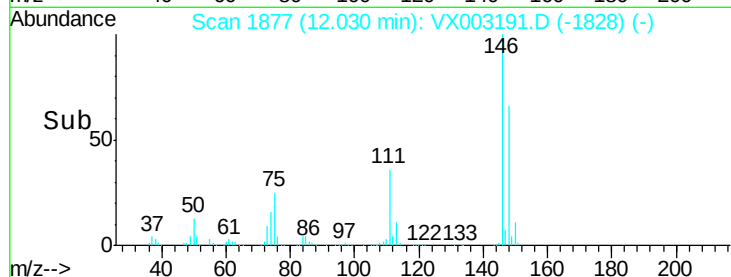
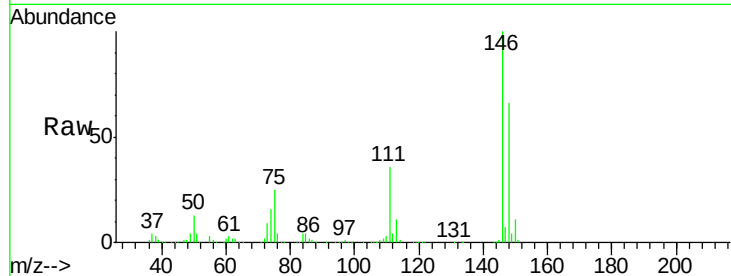




#87
 1,3-Dichlorobenzene
 Concen: 20.44 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

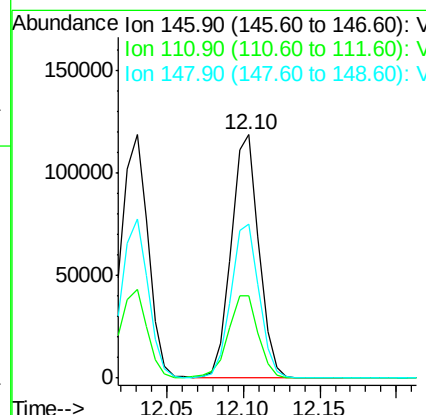
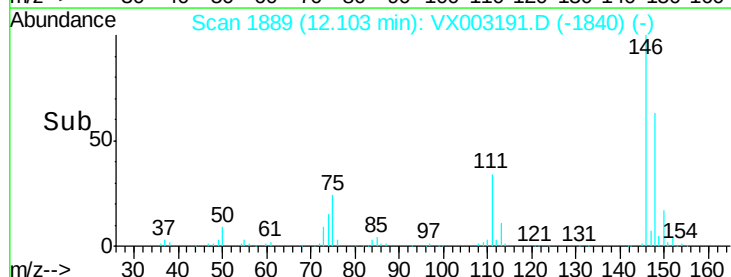
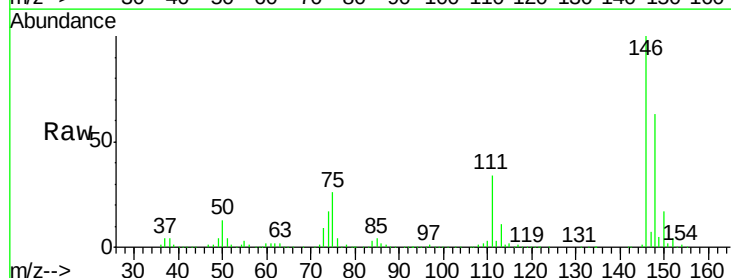
Instrument :
 MSVOA_X
 ClientSampleId :

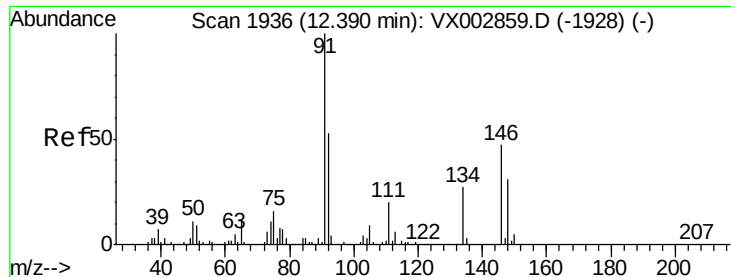
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.7
148	64.8	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.21 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003191.D
 Acq: 06 Jul 2018 00:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	64.7	32.4	97.0

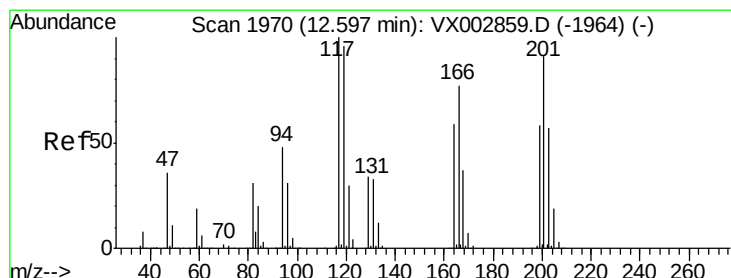
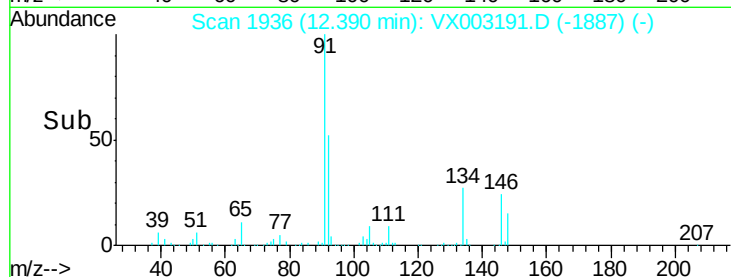
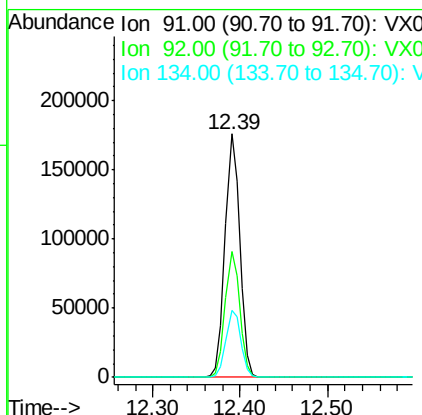
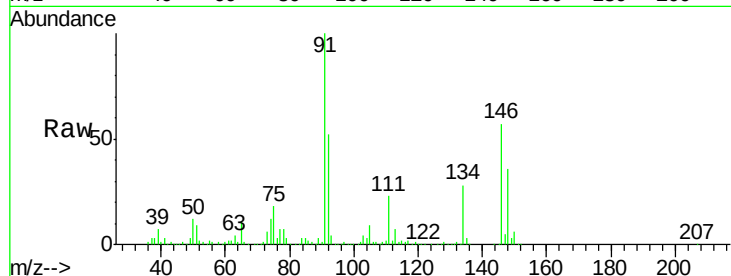




#89
n-Butylbenzene
Concen: 18.95 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

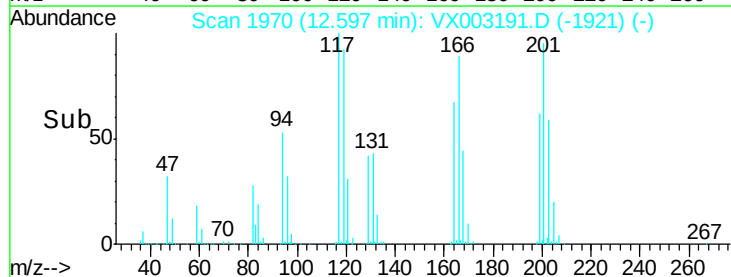
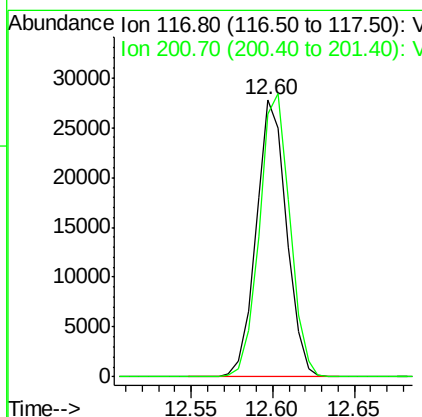
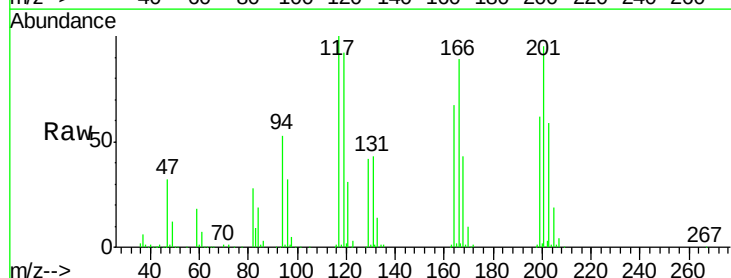
Instrument :
MSVOA_X
ClientSampleId :

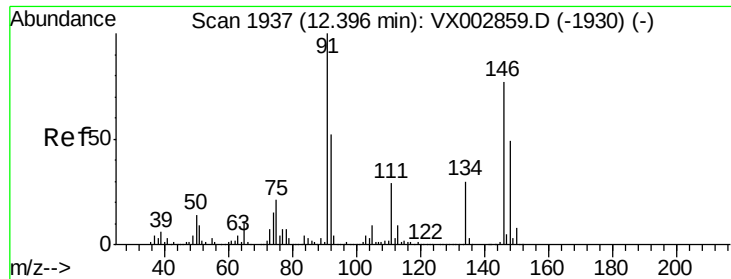
Tot Ion: 91 Resp: 204878
Ion Ratio Lower Upper
91 100
92 51.3 26.0 78.0
134 27.6 13.5 40.5



#90
Hexachloroethane
Concen: 19.37 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Tgt Ion: 117 Resp: 35781
Ion Ratio Lower Upper
117 100
201 102.4 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 20.67 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

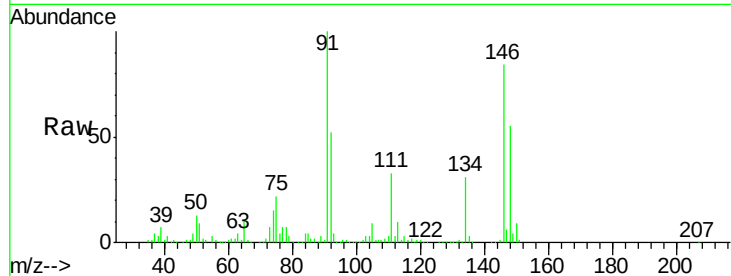
Tot Ion:146 Resp: 148881

Ion Ratio Lower Upper

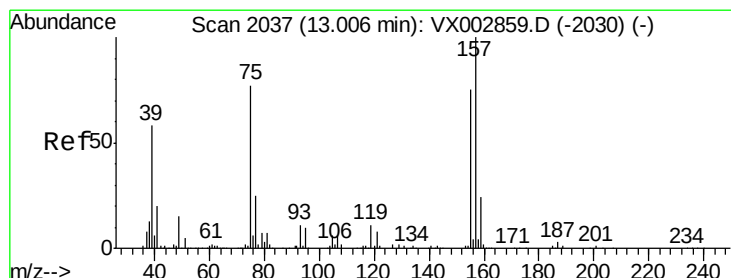
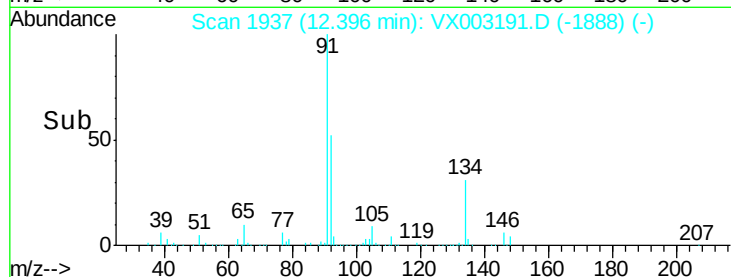
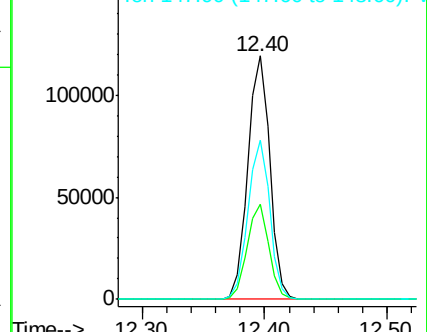
146 100

111 38.4 19.4 58.1

148 65.1 31.7 95.1



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.74 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

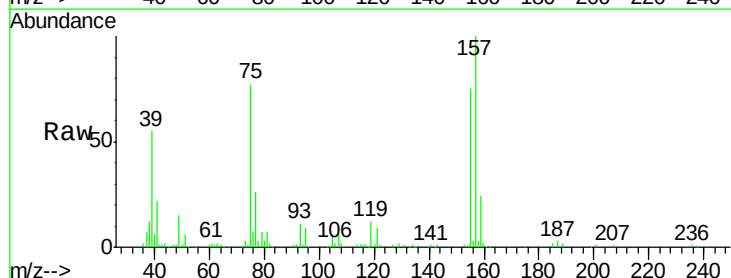
Tgt Ion: 75 Resp: 19702

Ion Ratio Lower Upper

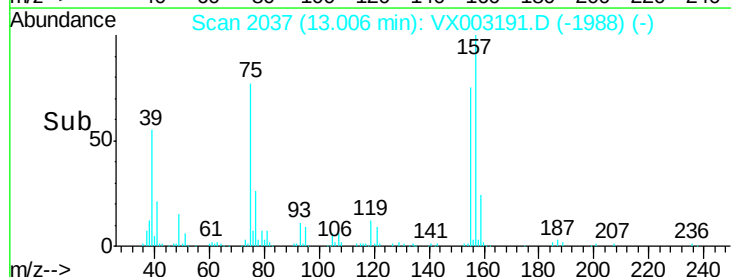
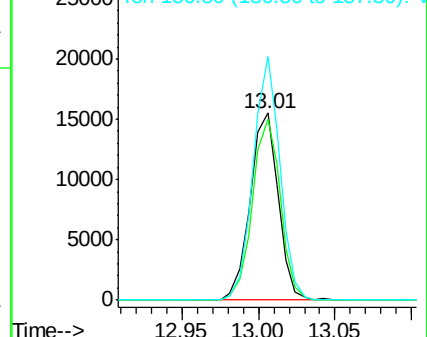
75 100

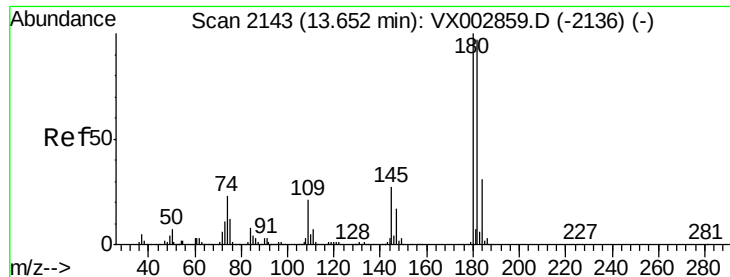
155 96.4 45.8 137.4

157 124.0 60.1 180.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 21.48 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

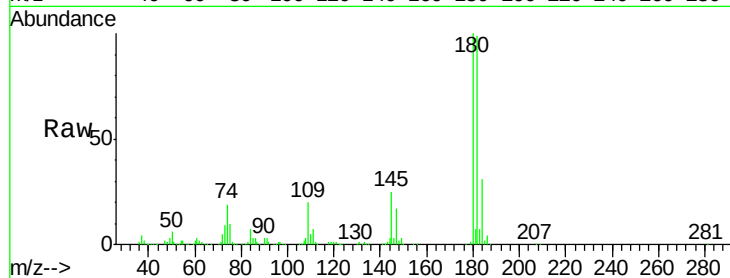
Tot Ion:180 Resp: 112579

Ion Ratio Lower Upper

180 100

182 96.9 47.7 143.1

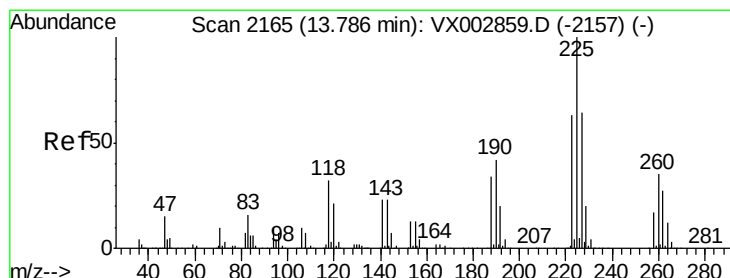
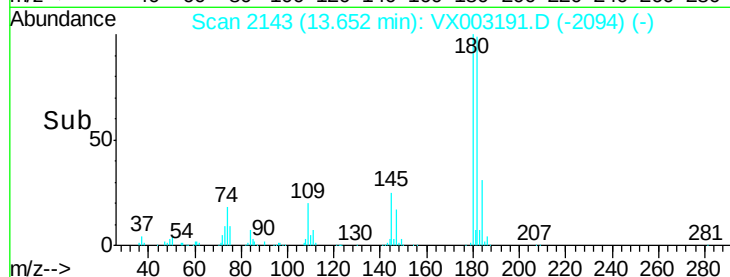
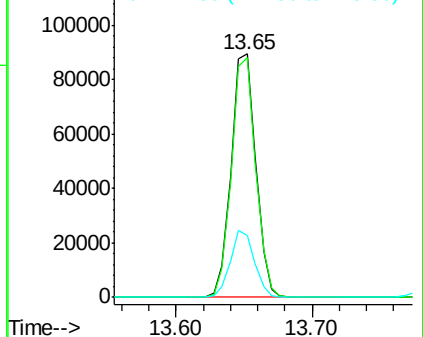
145 26.9 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.18 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003191.D

Acq: 06 Jul 2018 00:34

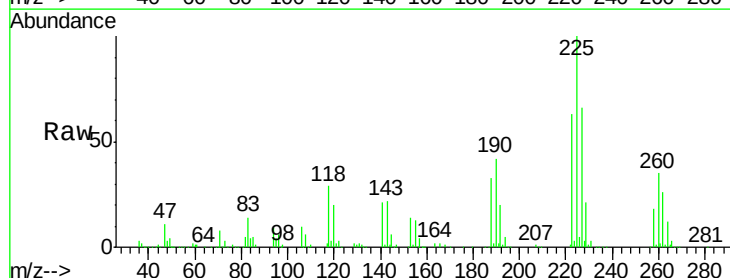
Tgt Ion:225 Resp: 55379

Ion Ratio Lower Upper

225 100

223 63.4 31.6 95.0

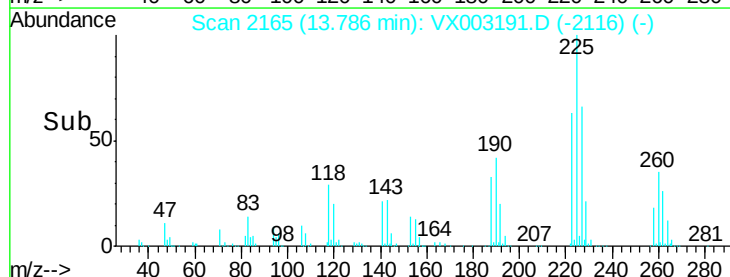
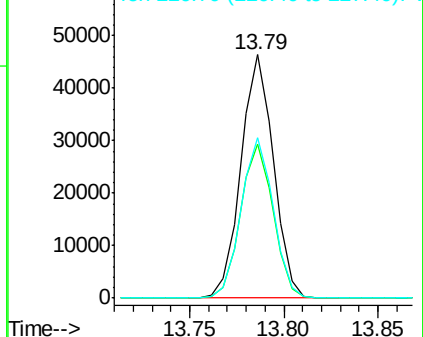
227 65.2 32.4 97.2

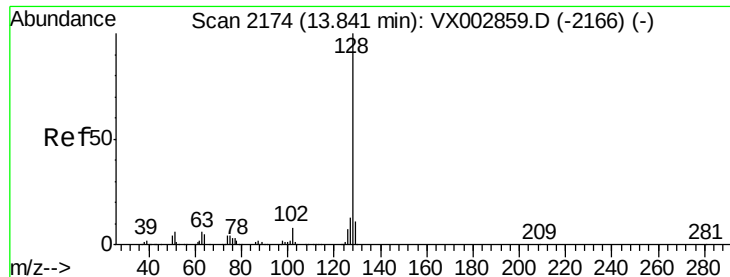


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

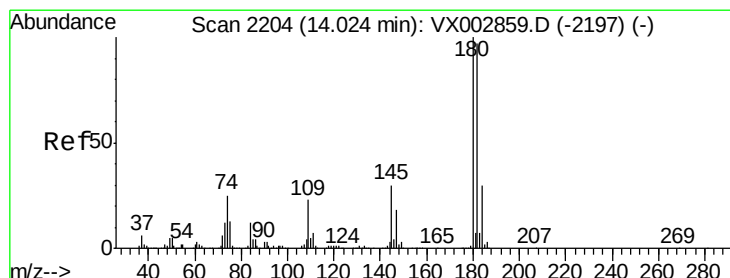
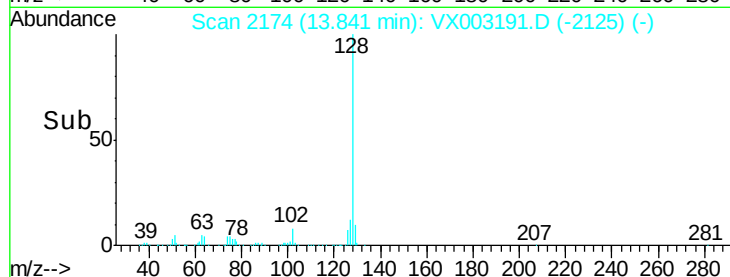
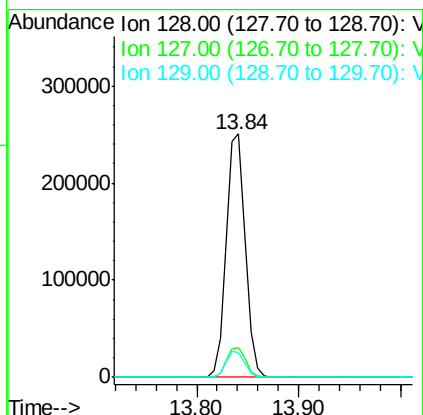
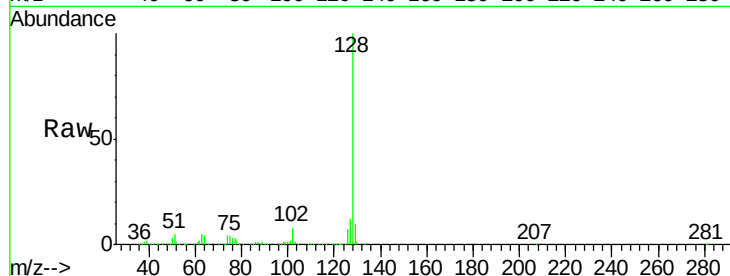




#95
Naphthalene
Concen: 22.98 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 320777
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 22.47 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003191.D
Acq: 06 Jul 2018 00:34

Tgt Ion:180 Resp: 117635
Ion Ratio Lower Upper
180 100
182 96.4 48.0 144.0
145 29.1 14.8 44.3

