

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071118\
 Data File : VX003320.D
 Acq On : 11 Jul 2018 15:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 12 00:54:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	291394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	352434	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	313650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	211619	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
35) Dibromofluoromethane	5.51	113	189235	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	8.72	98	657454	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.14	95	239778	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	243825	55.04	ug/l	100
3) Chloromethane	1.32	50	208389	51.74	ug/l	98
4) Vinyl Chloride	1.40	62	253559	61.33	ug/l	100
5) Bromomethane	1.64	94	72672	59.16	ug/l	95
6) Chloroethane	1.72	64	144757	63.20	ug/l	100
7) Trichlorofluoromethane	1.93	101	337643	54.94	ug/l	97
8) Diethyl Ether	2.19	74	144896	65.23	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	206619	57.42	ug/l	97
10) Methyl Iodide	2.51	142	174791	44.68	ug/l	96
11) Tert butyl alcohol	3.07	59	235433	283.18	ug/l	99
12) 1,1-Dichloroethene	2.37	96	190587	58.20	ug/l	84
13) Acrolein	2.29	56	145107	216.59	ug/l	97
14) Allyl chloride	2.73	41	367930	60.66	ug/l	# 86
15) Acrylonitrile	3.15	53	586151	315.73	ug/l	94
16) Acetone	2.45	43	437565	268.76	ug/l	# 88
17) Carbon Disulfide	2.57	76	540883	59.44	ug/l	98
18) Methyl Acetate	2.78	43	303518	66.08	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	607986	55.59	ug/l	96
20) Methylene Chloride	2.86	84	208594	62.70	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	208425	59.71	ug/l	85
22) Diisopropyl ether	3.87	45	646572	52.40	ug/l	98
23) Vinyl Acetate	3.82	43	2792410	266.54	ug/l	100
24) 1,1-Dichloroethane	3.70	63	366815	57.11	ug/l	100
25) 2-Butanone	4.71	43	670770	232.83	ug/l	93
26) 2,2-Dichloropropane	4.59	77	262797	46.78	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	208564	48.62	ug/l	91
28) Bromochloromethane	5.02	49	166773	51.54	ug/l	93
29) Tetrahydrofuran	5.17	42	431696	230.87	ug/l	92
30) Chloroform	5.21	83	337064	47.71	ug/l	98
31) Cyclohexane	5.57	56	299771	49.84	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	291202	46.72	ug/l	99
36) 1,1-Dichloropropene	5.80	75	253509	50.81	ug/l	96
37) Ethyl Acetate	4.87	43	262175	47.93	ug/l	98
38) Carbon Tetrachloride	5.78	117	260900	47.80	ug/l	95

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Quant Time: Jul 12 00:54:25 2018
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 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	286852	48.80	ug/l	95
40) Benzene	6.15	78	734537	49.68	ug/l	99
41) Methacrylonitrile	5.07	41	147599	49.29	ug/l	94
42) 1,2-Dichloroethane	6.20	62	261882	47.41	ug/l	98
43) Isopropyl Acetate	6.47	43	381621	44.43	ug/l	96
44) Trichloroethene	7.21	130	197665	45.21	ug/l	98
45) 1,2-Dichloropropane	7.52	63	181528	47.22	ug/l	99
46) Dibromomethane	7.67	93	116560	44.49	ug/l	99
47) Bromodichloromethane	7.90	83	223054	46.14	ug/l	97
48) Methyl methacrylate	7.78	41	201299	45.70	ug/l	89
49) 1,4-Dioxane	7.76	88	86152	935.39	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1273809	238.23	ug/l	93
52) Toluene	8.79	92	450465	48.20	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	273286	48.04	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	256918	49.63	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	178929	46.15	ug/l	99
56) Ethyl methacrylate	9.18	69	265546	50.00	ug/l #	87
57) 1,3-Dichloropropane	9.37	76	292212	46.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	733954	286.51	ug/l	99
59) 2-Hexanone	9.50	43	1018968	250.90	ug/l	92
60) Dibromochloromethane	9.59	129	181397	44.81	ug/l	100
61) 1,2-Dibromoethane	9.68	107	184168	45.32	ug/l	99
64) Tetrachloroethene	9.34	164	228252	48.14	ug/l	91
65) Chlorobenzene	10.14	112	493624	46.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	176918	46.01	ug/l	99
67) Ethyl Benzene	10.26	91	861436	49.98	ug/l	99
68) m/p-Xylenes	10.36	106	668294	99.68	ug/l	98
69) o-Xylene	10.70	106	319081	49.12	ug/l	98
70) Styrene	10.71	104	529101	50.23	ug/l	98
71) Bromoform	10.86	173	140976	44.56	ug/l	97
73) Isopropylbenzene	11.02	105	865830	49.55	ug/l	100
74) N-amyl acetate	6.47	43	381621	45.78	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	259871	47.95	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	309190	64.64	ug/l	79
77) Bromobenzene	11.26	156	229152	45.42	ug/l	99
78) n-propylbenzene	11.36	91	1012199	52.10	ug/l	100
79) 2-Chlorotoluene	11.42	91	585137	49.44	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	724822	49.81	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	76532	52.29	ug/l	92
82) 4-Chlorotoluene	11.51	91	693349	50.17	ug/l	100
83) tert-Butylbenzene	11.77	119	706468	48.61	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	744118	49.94	ug/l	98
85) sec-Butylbenzene	11.95	105	881053	51.29	ug/l	100
86) p-Isopropyltoluene	12.07	119	795216	50.81	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	427753	46.22	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	433218	46.24	ug/l	99
89) n-Butylbenzene	12.39	91	709652	54.27	ug/l	99
90) Hexachloroethane	12.60	117	114422	47.88	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	430073	46.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	56476	48.57	ug/l	97

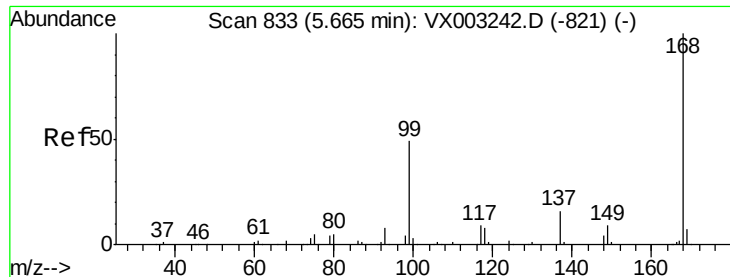
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071118\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	310247	45.87	ug/l	100
94) Hexachlorobutadiene	13.79	225	146194	43.42	ug/l	99
95) Naphthalene	13.84	128	887725	50.17	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	312961	46.40	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

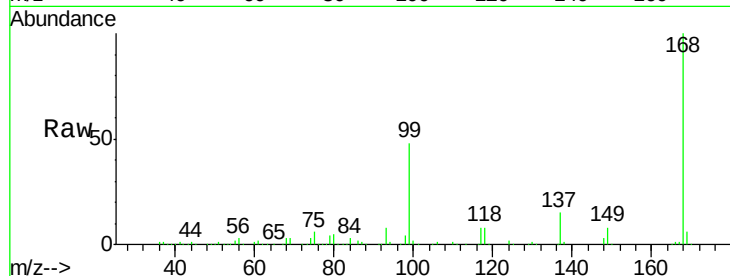
VSTDCCC050

Tot Ion:168 Resp: 291394

Ion Ratio Lower Upper

168 100

99 48.2 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

120000

100000

80000

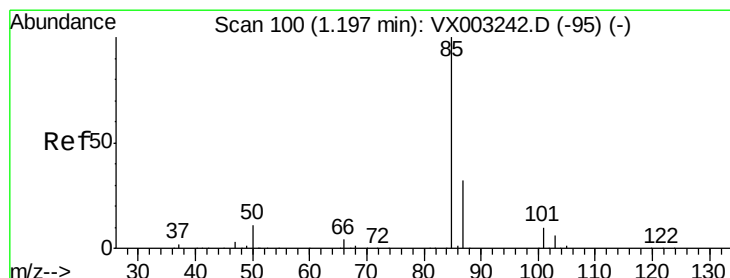
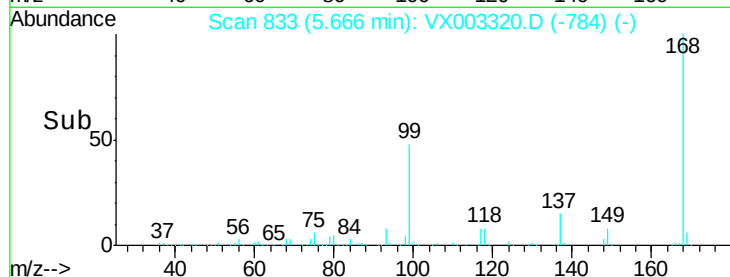
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 55.04 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003320.D

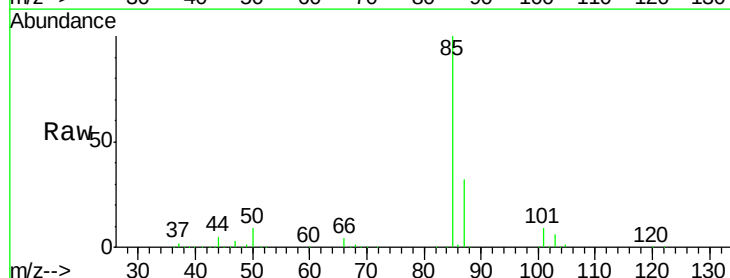
Acq: 11 Jul 2018 15:02

Tgt Ion: 85 Resp: 243825

Ion Ratio Lower Upper

85 100

87 32.2 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

300000

250000

200000

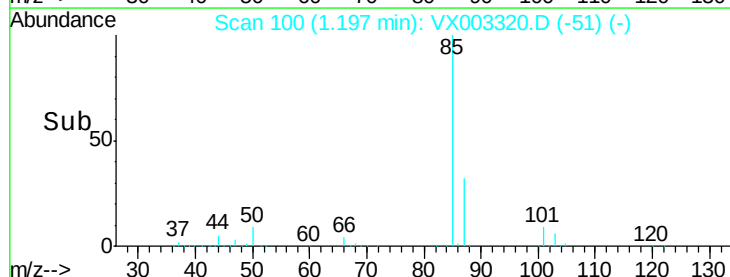
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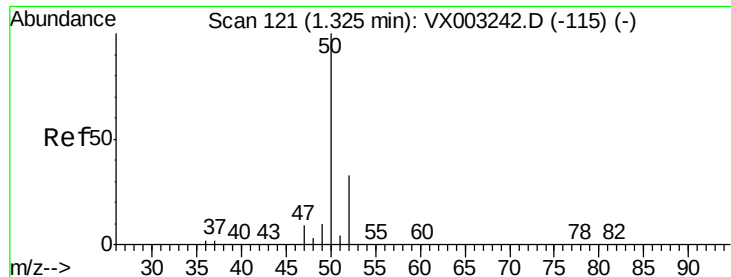
100000

50000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 51.74 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

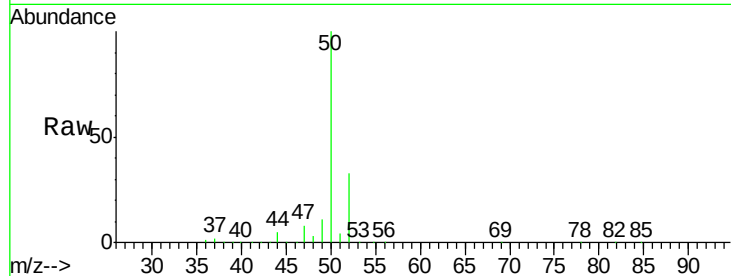
VSTDCCC050

Tot Ion: 50 Resp: 208389

Ion Ratio Lower Upper

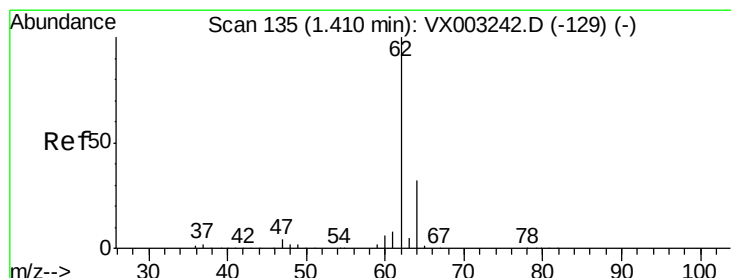
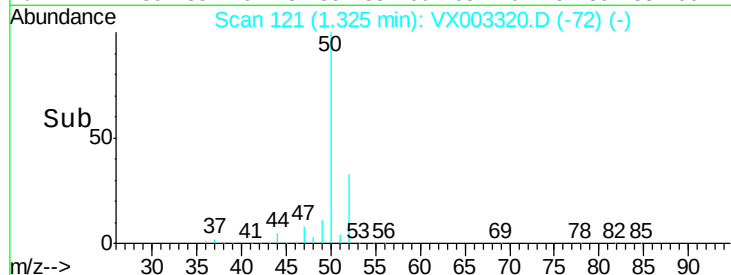
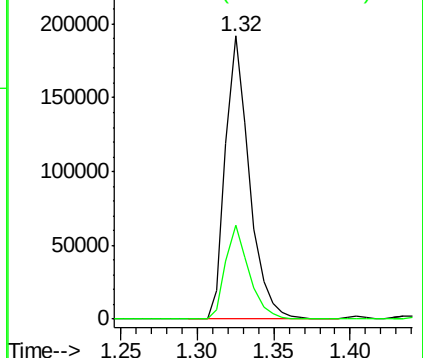
50 100

52 33.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 61.33 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003320.D

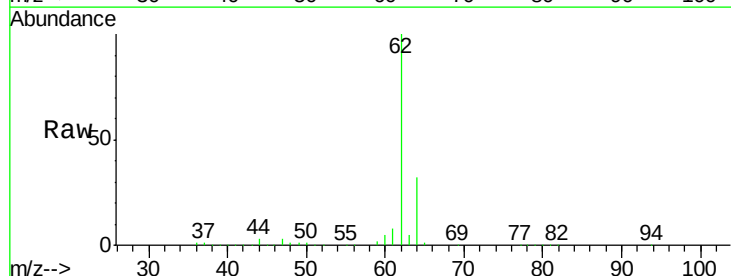
Acq: 11 Jul 2018 15:02

Tgt Ion: 62 Resp: 253559

Ion Ratio Lower Upper

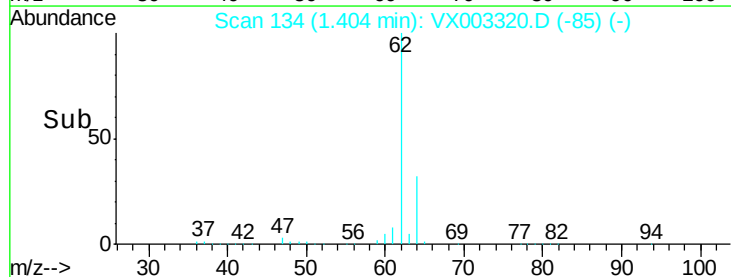
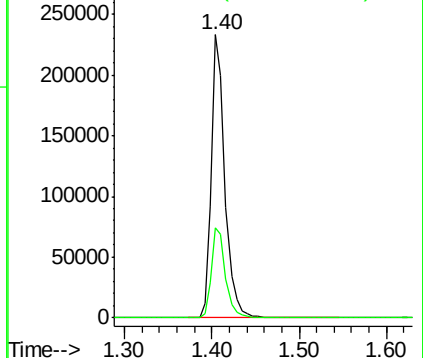
62 100

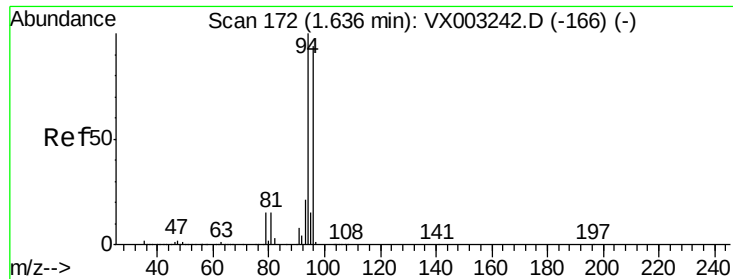
64 31.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 59.16 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

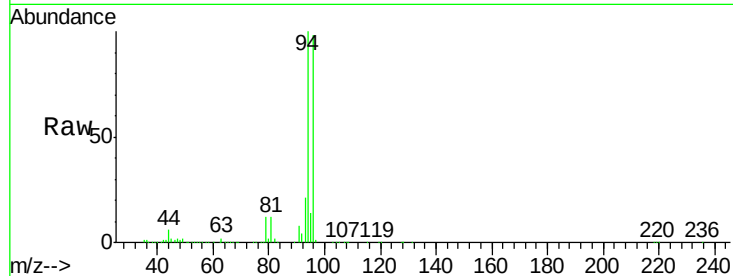
VSTDCCC050

Tot Ion: 94 Resp: 72672

Ion Ratio Lower Upper

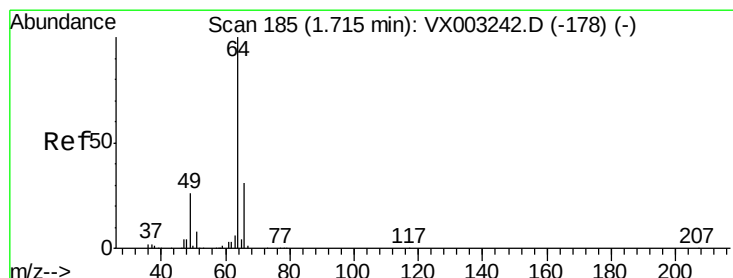
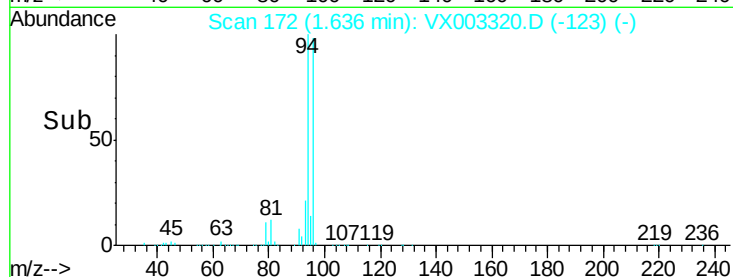
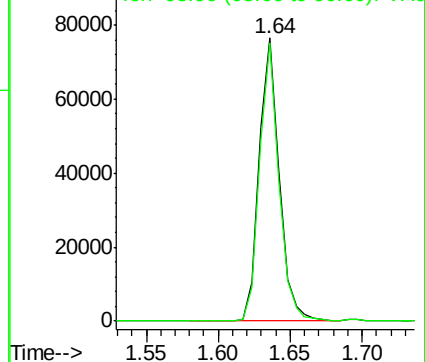
94 100

96 98.6 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: 63.20 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.01 min

Lab File: VX003320.D

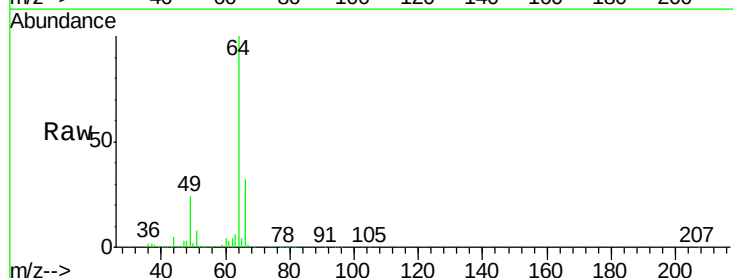
Acq: 11 Jul 2018 15:02

Tgt Ion: 64 Resp: 144757

Ion Ratio Lower Upper

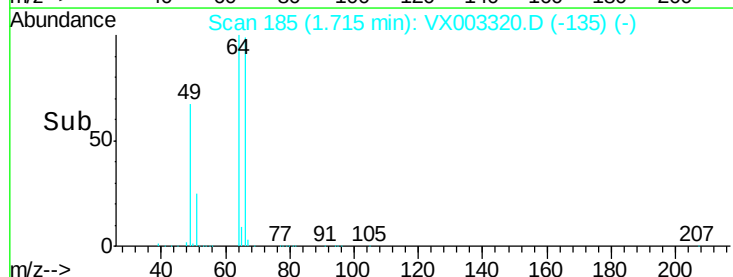
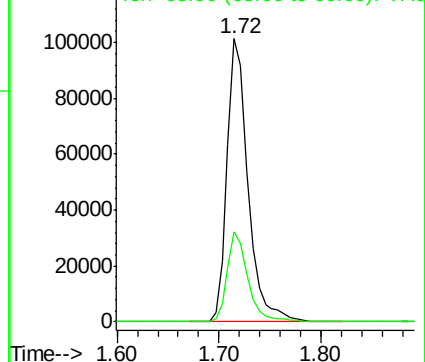
64 100

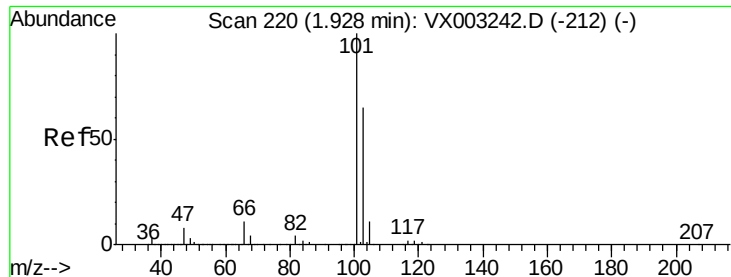
66 31.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



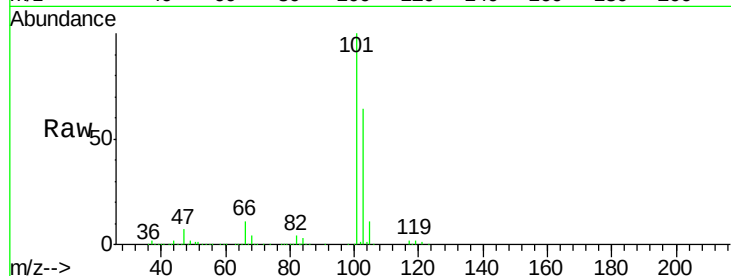


#7

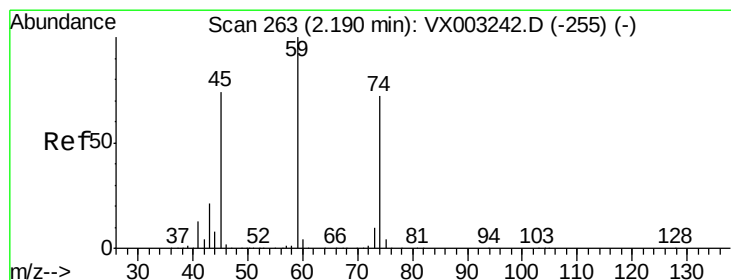
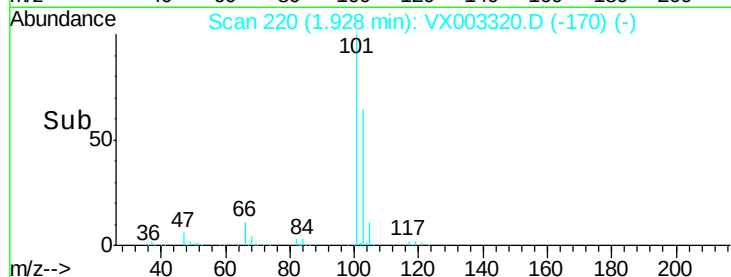
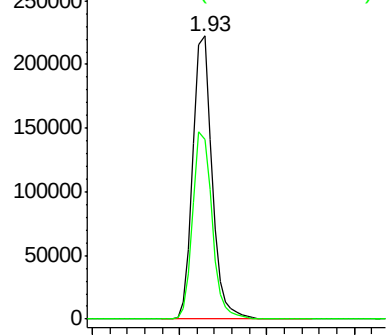
Trichlorofluoromethane
 Concen: 54.94 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 337643
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.8 79.2



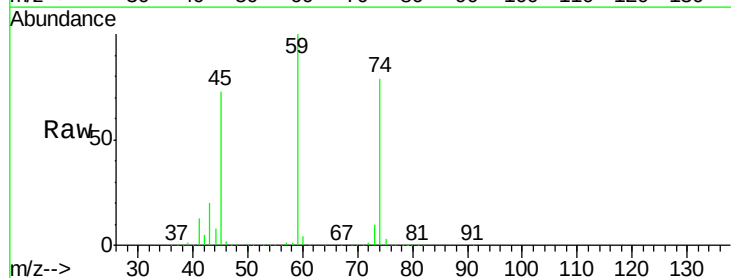
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



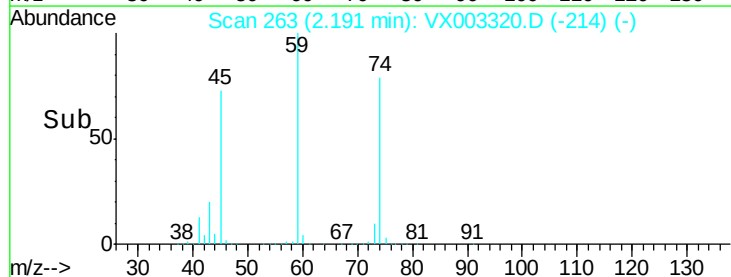
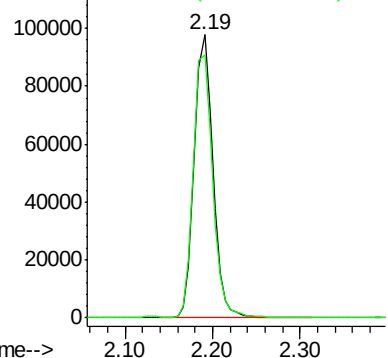
#8

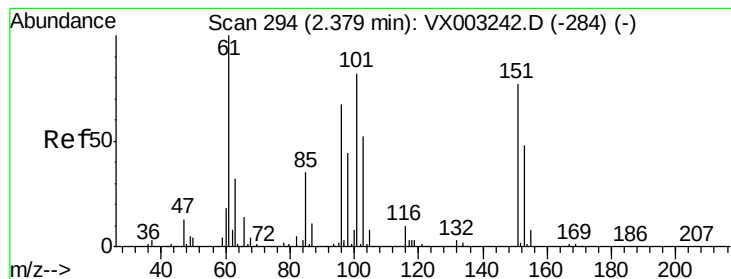
Diethyl Ether
 Concen: 65.23 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion: 74 Resp: 144896
 Ion Ratio Lower Upper
 74 100
 45 96.1 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.42 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

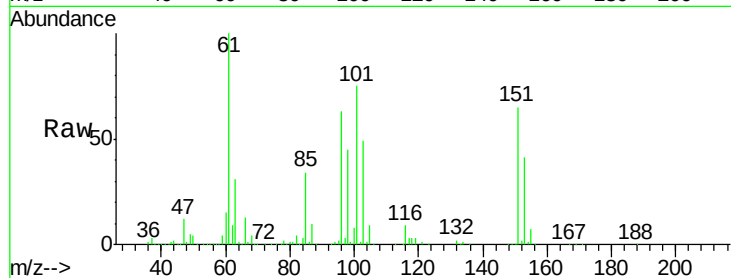
Tot Ion:101 Resp: 206619

Ion Ratio Lower Upper

101 100

85 43.5 36.0 54.0

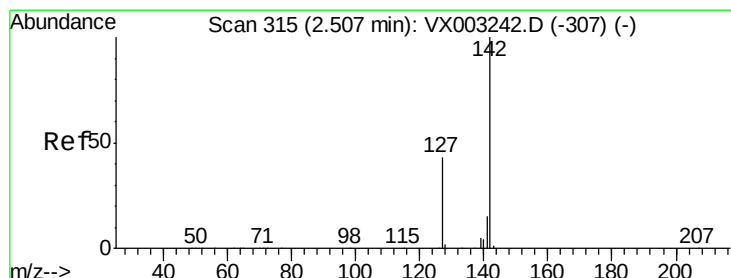
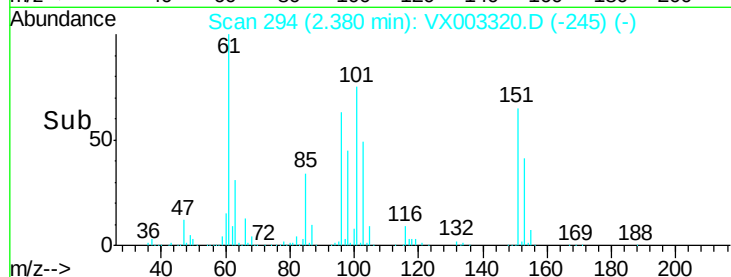
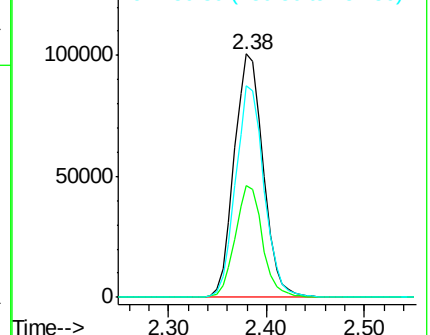
151 85.4 70.9 106.3



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: 44.68 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

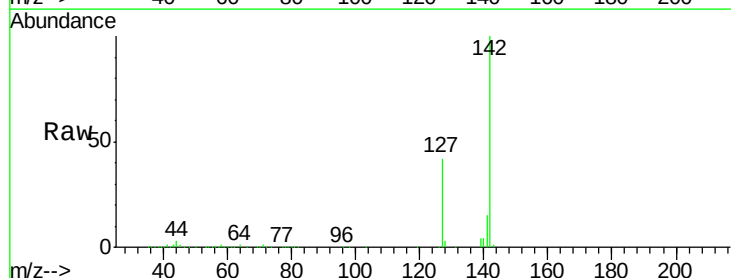
Tgt Ion:142 Resp: 174791

Ion Ratio Lower Upper

142 100

127 42.4 36.6 55.0

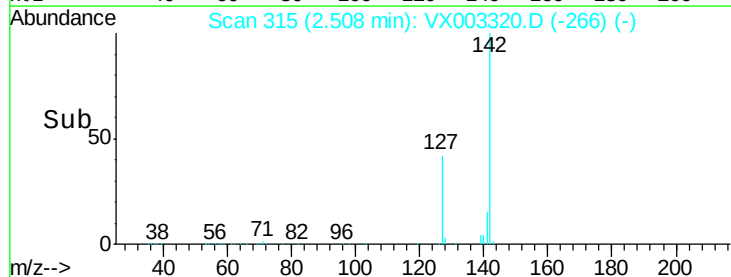
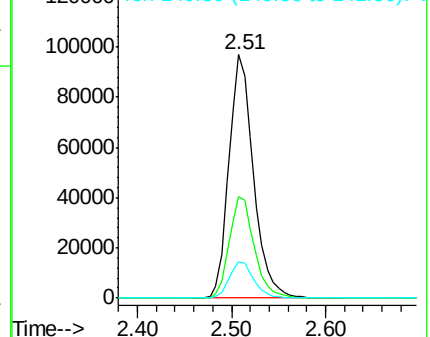
141 15.1 11.3 16.9

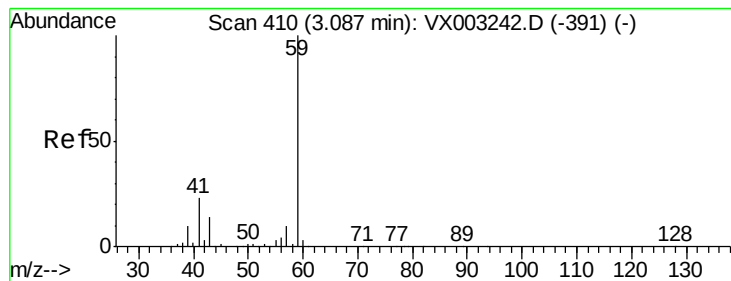


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



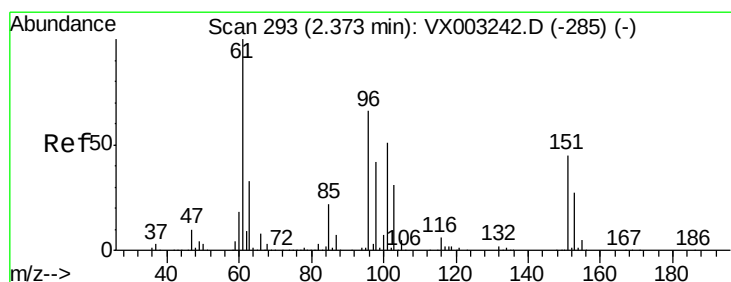
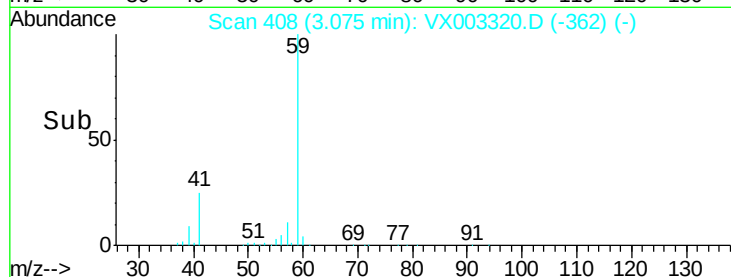
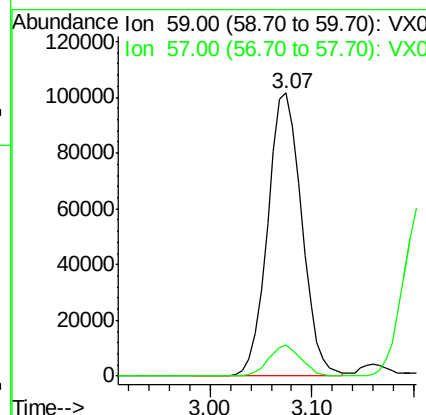
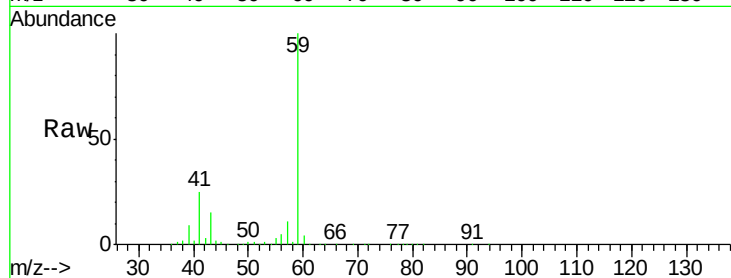


#11

Tert butyl alcohol
 Concen: 283.18 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.02 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

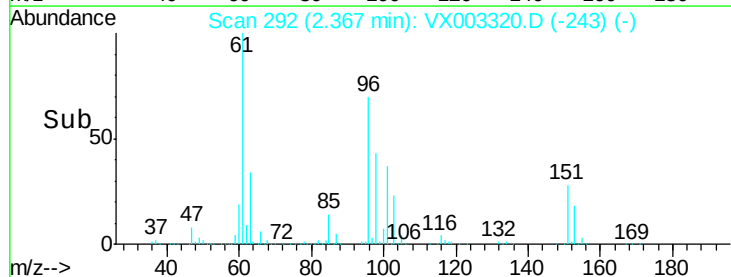
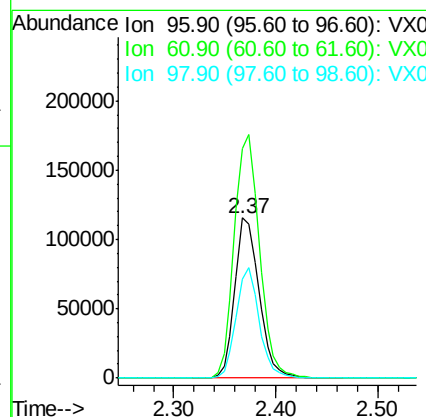
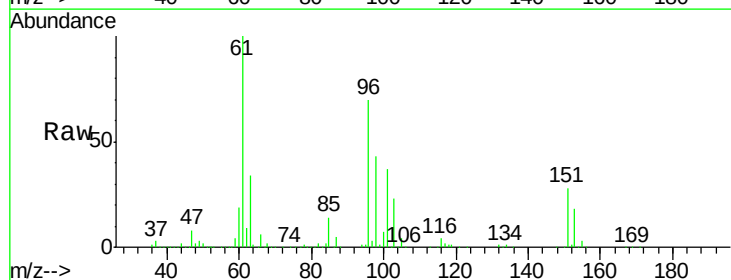
Tot Ion: 59 Resp: 235433
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.2

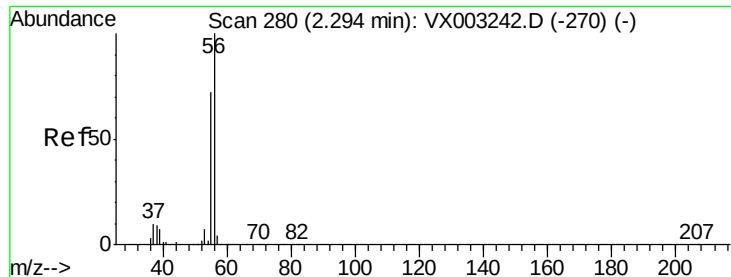


#12

1,1-Dichloroethene
 Concen: 58.20 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion: 96 Resp: 190587
 Ion Ratio Lower Upper
 96 100
 61 143.5 137.9 206.9
 98 61.6 51.6 77.4





#13

Acrolein

Concen: 216.59 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

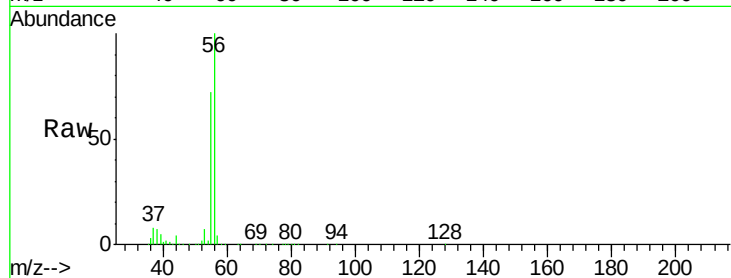
VSTDCCC050

Tot Ion: 56 Resp: 145107

Ion Ratio Lower Upper

56 100

55 73.6 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

100000

80000

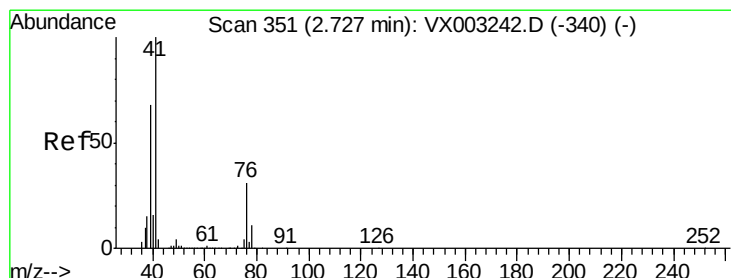
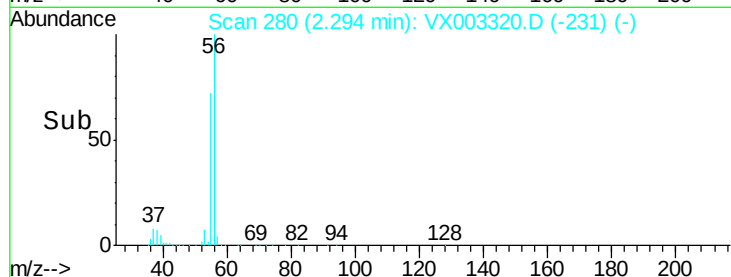
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 60.66 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

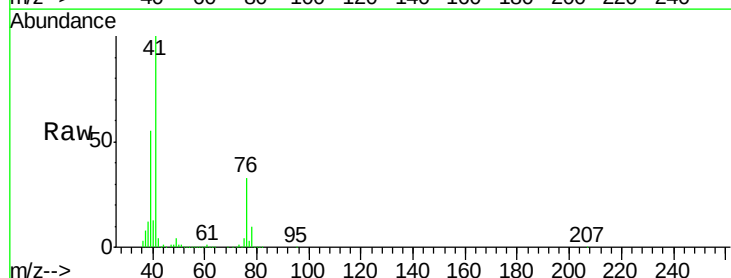
Tgt Ion: 41 Resp: 367930

Ion Ratio Lower Upper

41 100

39 56.6 56.8 85.2#

76 32.7 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

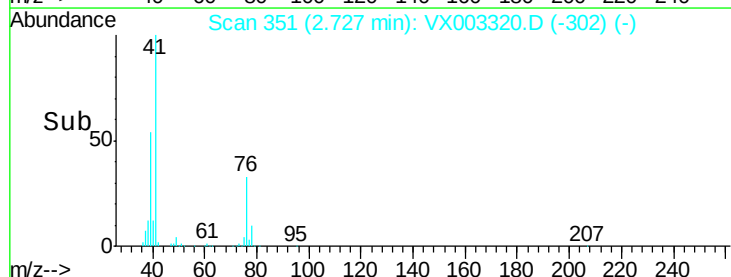
300000

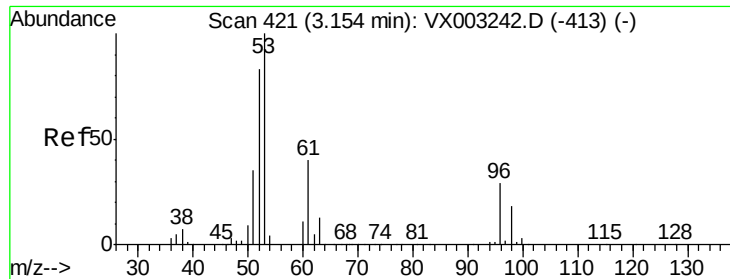
200000

100000

0

Time-->

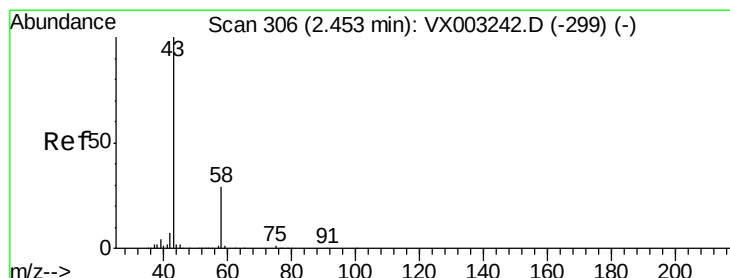
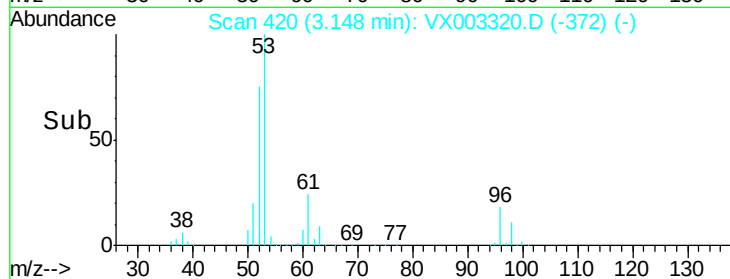
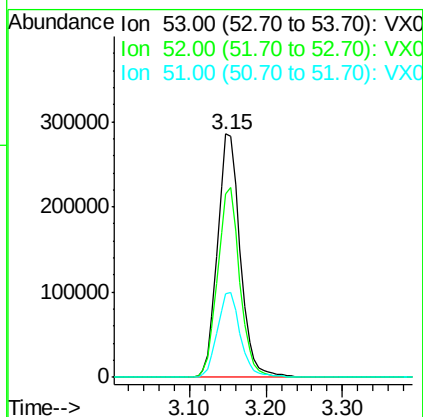
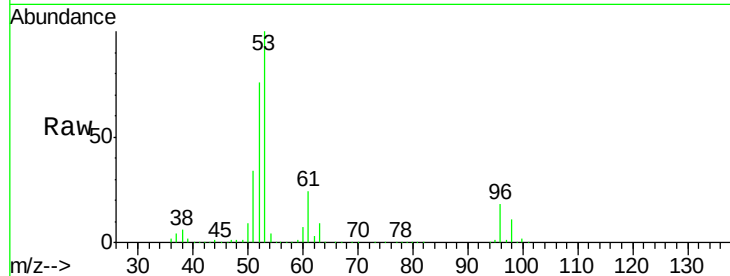




#15
 Acrylonitrile
 Concen: 315.73 ug/l
 RT: 3.15 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

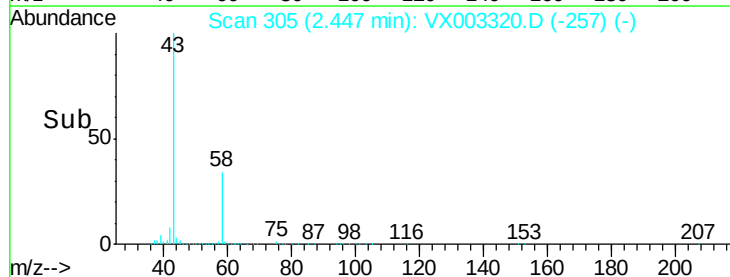
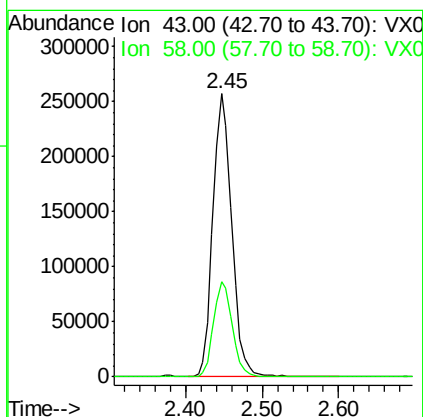
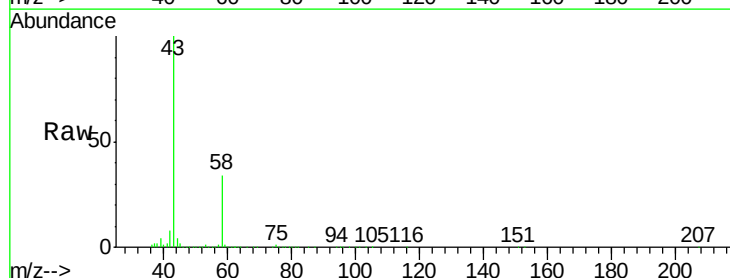
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

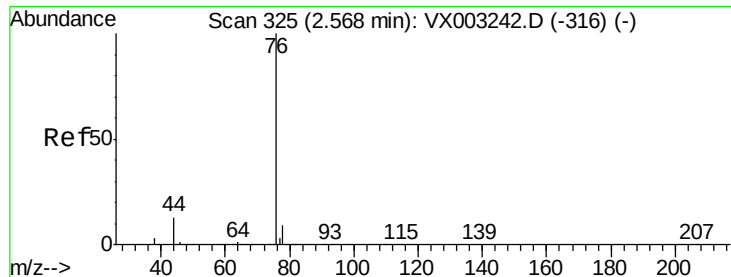
Tot Ion: 53 Resp: 586151
 Ion Ratio Lower Upper
 53 100
 52 76.6 66.7 100.1
 51 35.4 29.9 44.9



#16
 Acetone
 Concen: 268.76 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion: 43 Resp: 437565
 Ion Ratio Lower Upper
 43 100
 58 33.9 22.1 33.1#





#17

Carbon Disulfide

Concen: 59.44 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

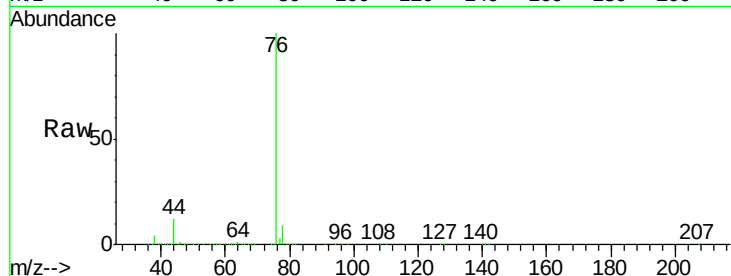
VSTDCCC050

Tot Ion: 76 Resp: 540883

Ion Ratio Lower Upper

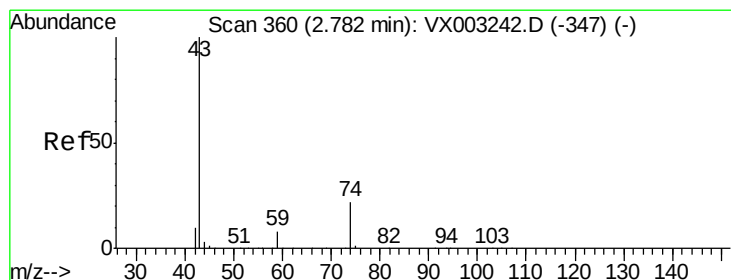
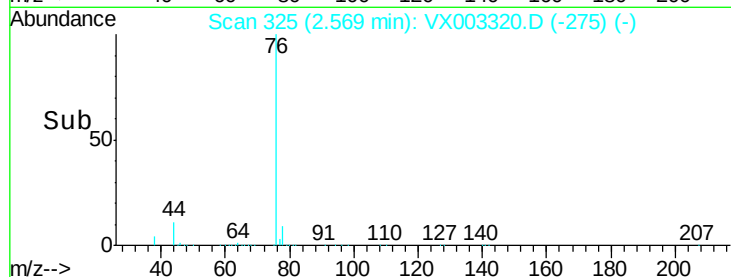
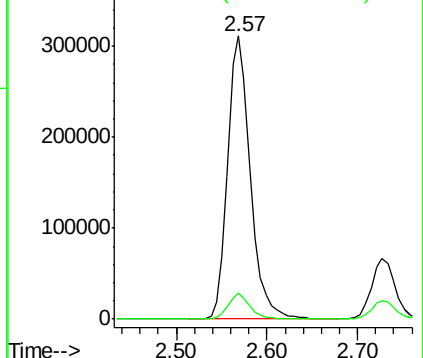
76 100

78 9.2 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 66.08 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003320.D

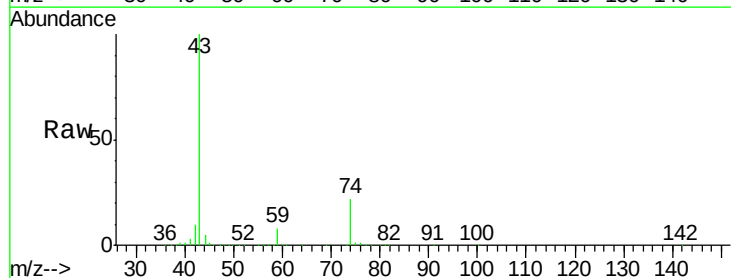
Acq: 11 Jul 2018 15:02

Tgt Ion: 43 Resp: 303518

Ion Ratio Lower Upper

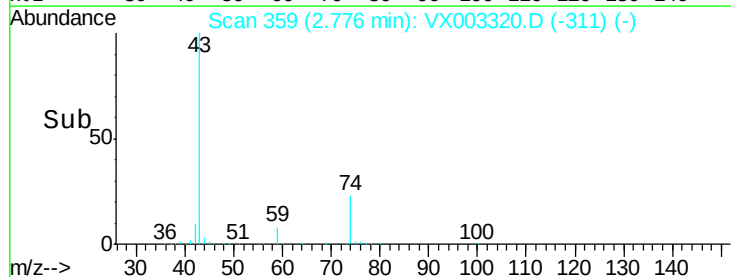
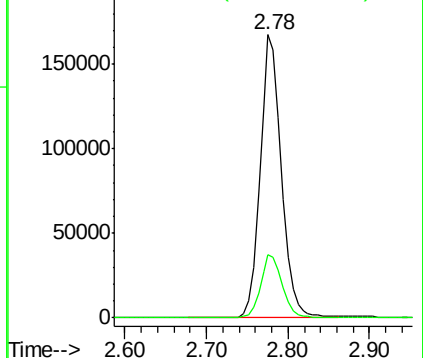
43 100

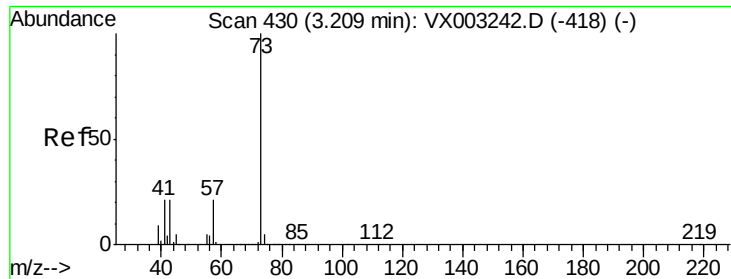
74 23.1 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

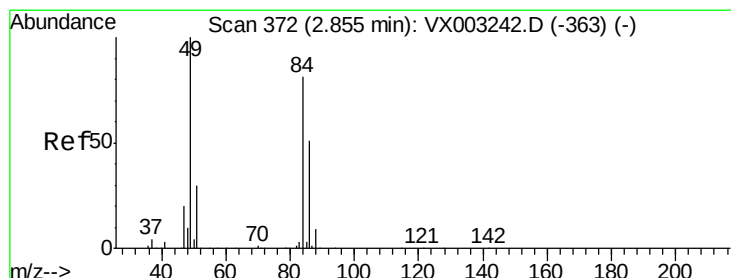
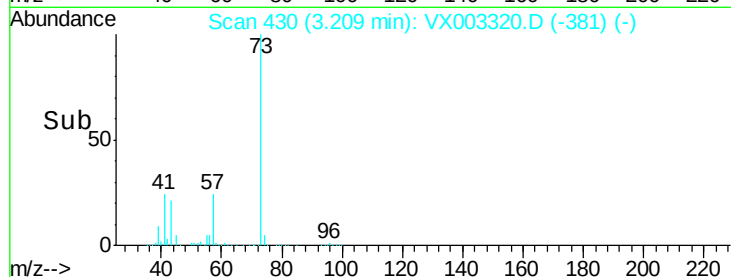
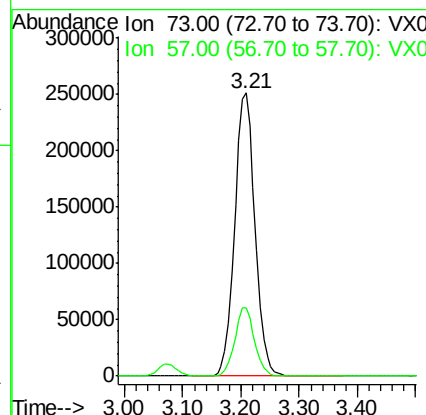
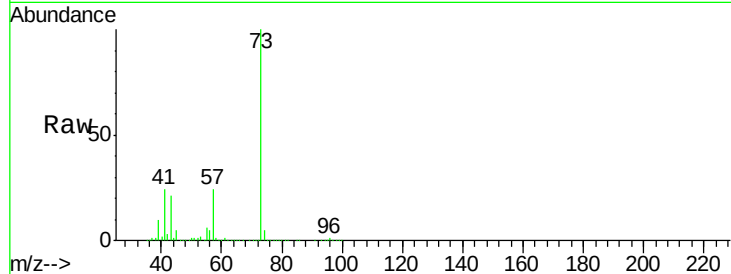




#19
Methyl tert-butyl Ether
Concen: 55.59 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

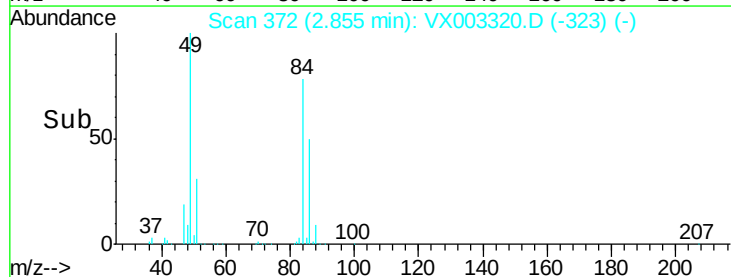
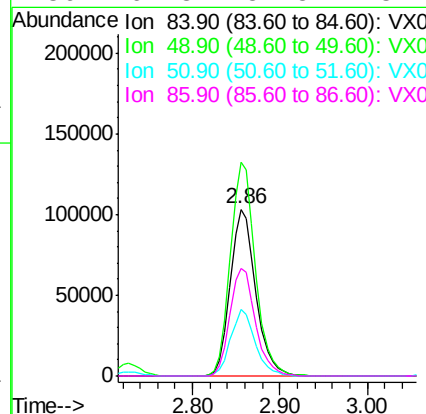
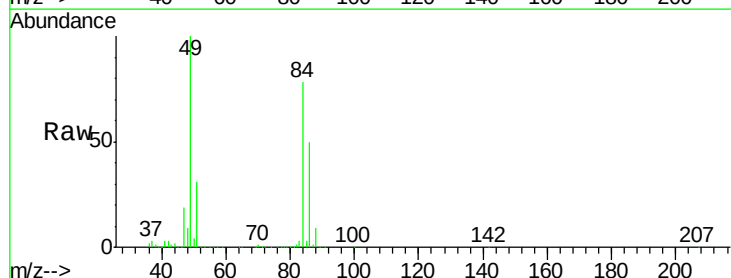
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

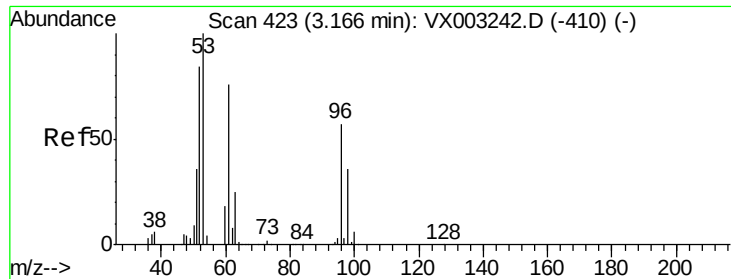
Tot Ion: 73 Resp: 607986
Ion Ratio Lower Upper
73 100
57 24.0 17.7 26.5



#20
Methylene Chloride
Concen: 62.70 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion: 84 Resp: 208594
Ion Ratio Lower Upper
84 100
49 128.1 107.8 161.6
51 39.8 32.8 49.2
86 64.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 59.71 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

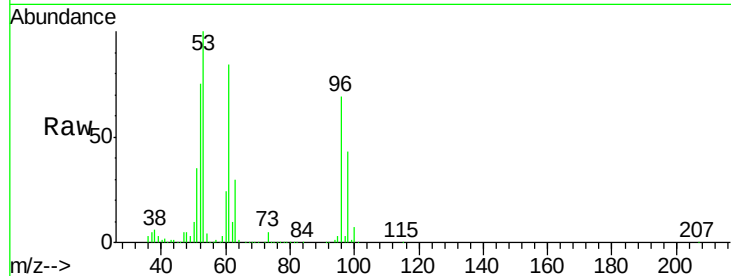
Tot Ion: 96 Resp: 208425

Ion Ratio Lower Upper

96 100

61 121.4 117.0 175.4

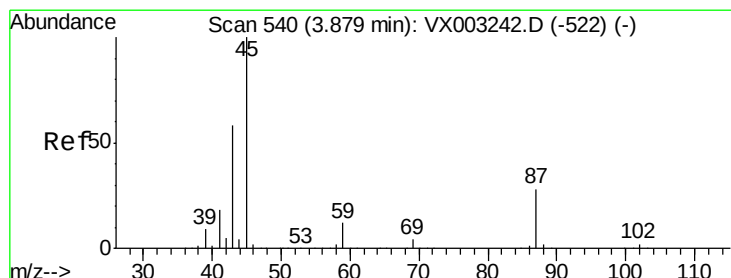
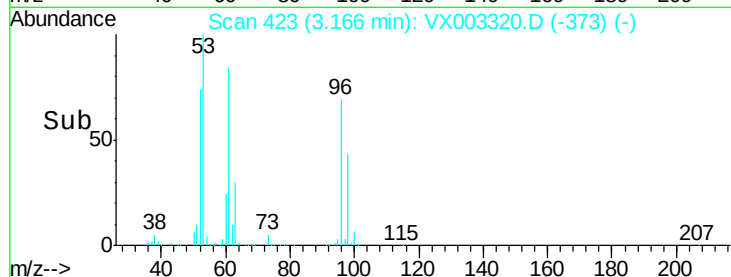
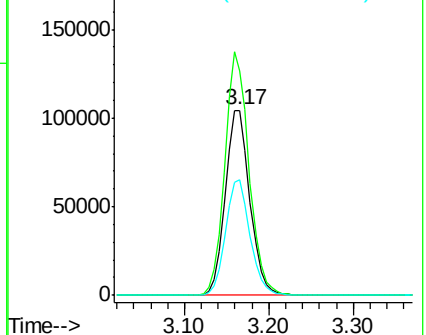
98 62.6 52.4 78.6



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: 52.40 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Tgt Ion: 45 Resp: 646572

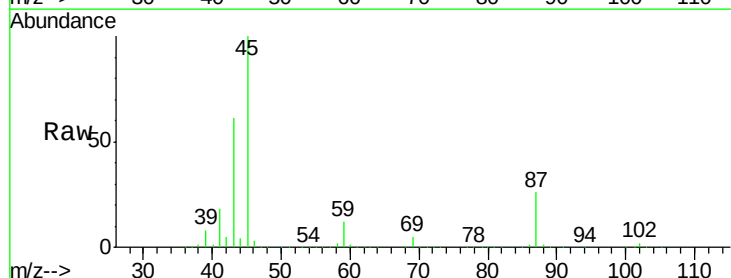
Ion Ratio Lower Upper

45 100

43 60.5 46.8 70.2

87 26.1 20.2 30.4

59 11.5 8.7 13.1

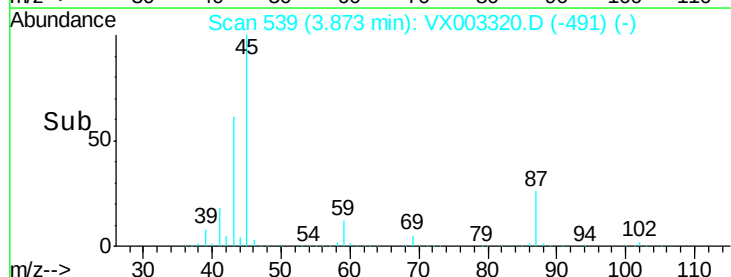
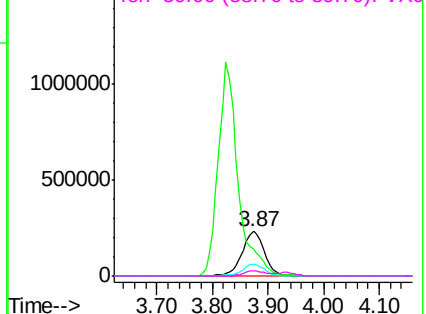


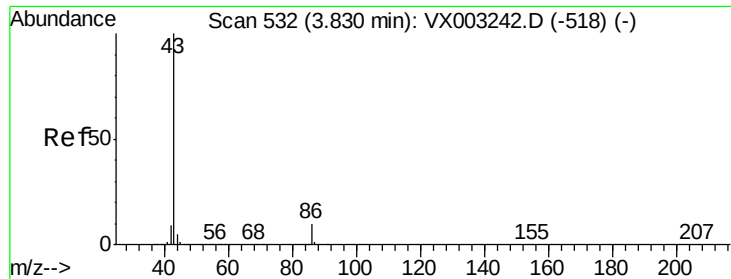
Abundance Ion 45.00 (44.70 to 45.70): VX0

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

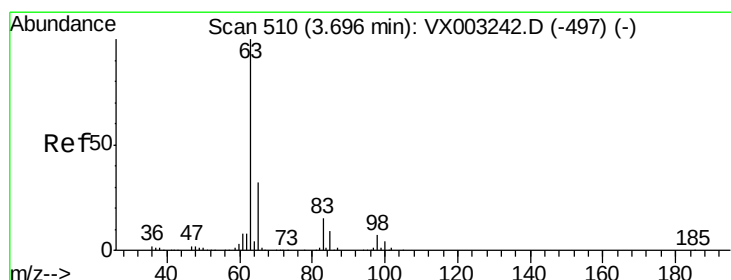
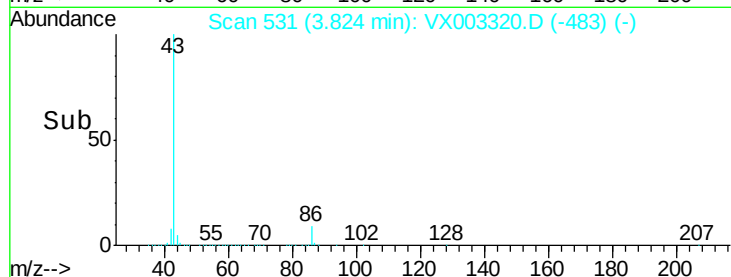
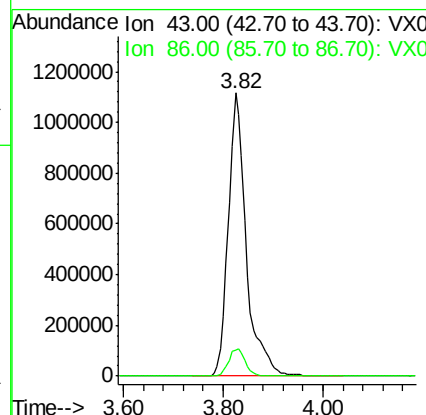
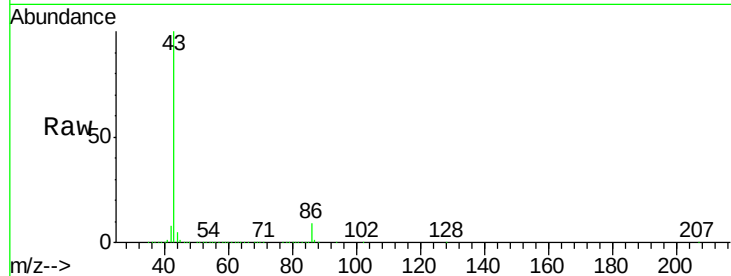




#23
 Vinyl Acetate
 Concen: 266.54 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

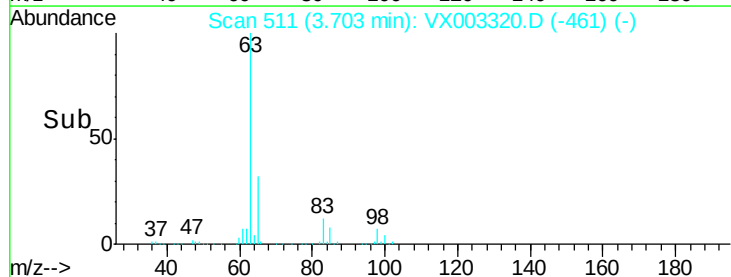
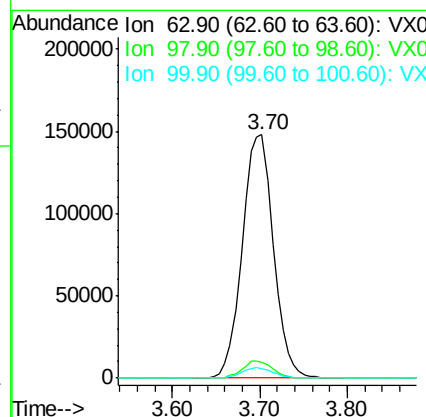
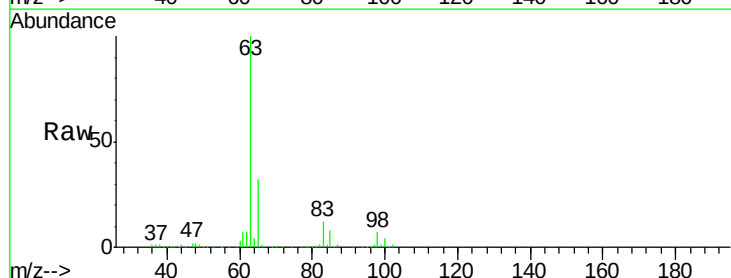
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

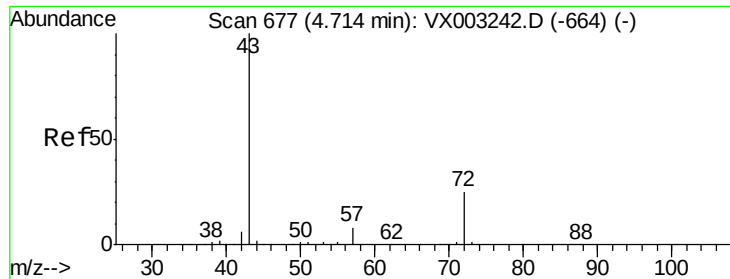
Tot Ion: 43 Resp: 2792410
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 57.11 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion: 63 Resp: 366815
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 3.9 2.0 6.0





#25

2-Butanone

Concen: 232.83 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

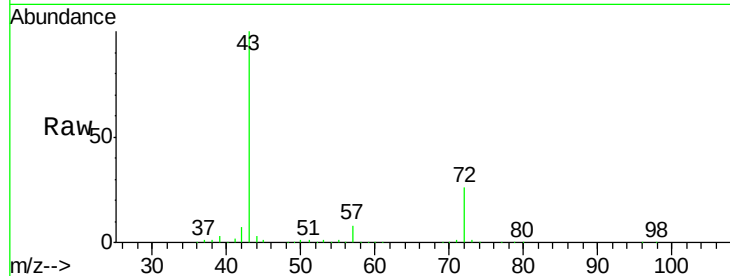
VSTDCCC050

Tot Ion: 43 Resp: 670770

Ion Ratio Lower Upper

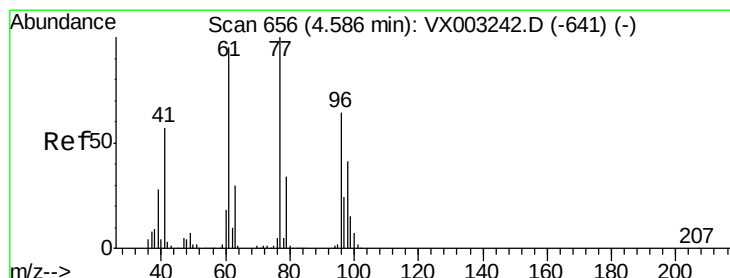
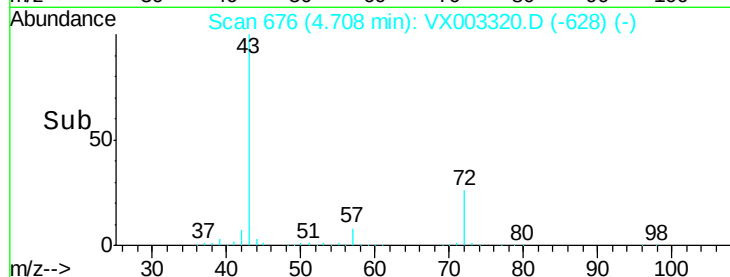
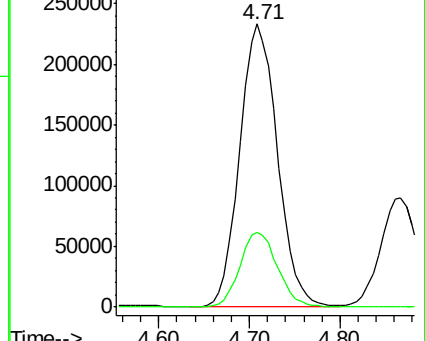
43 100

72 26.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 46.78 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003320.D

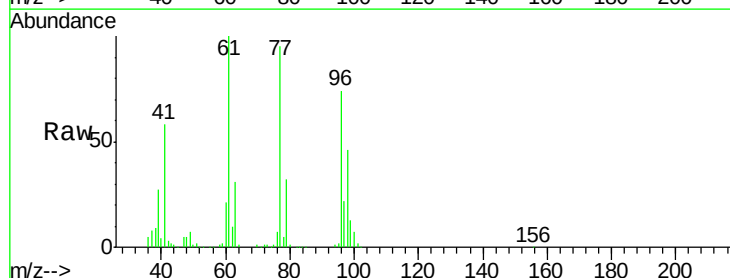
Acq: 11 Jul 2018 15:02

Tgt Ion: 77 Resp: 262797

Ion Ratio Lower Upper

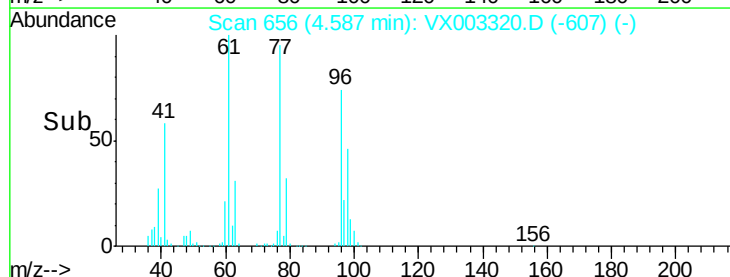
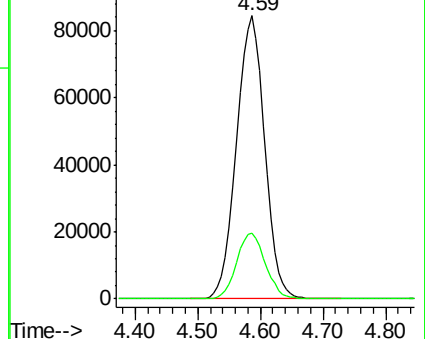
77 100

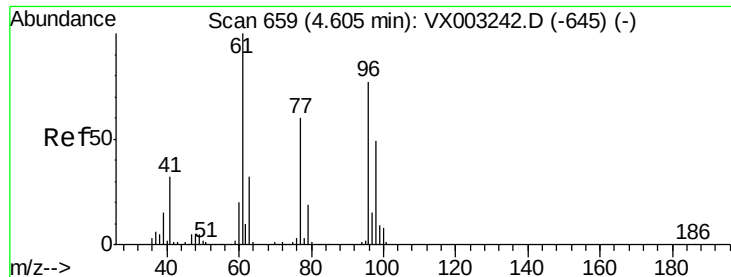
97 23.8 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 48.62 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

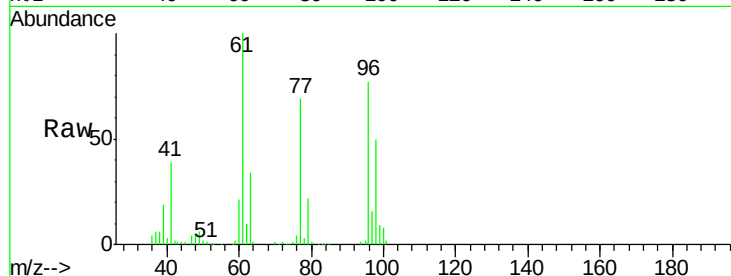
Tot Ion: 96 Resp: 208564

Ion Ratio Lower Upper

96 100

61 148.6 0.0 330.2

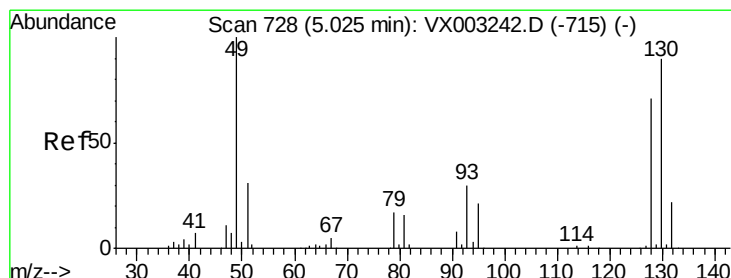
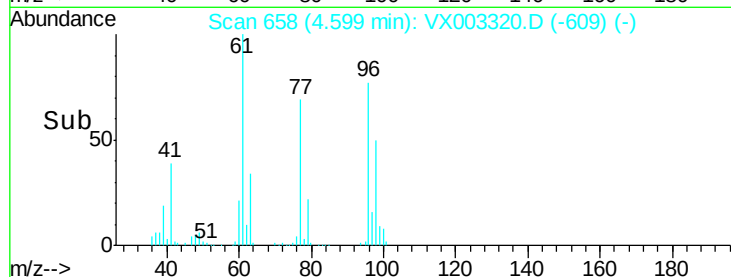
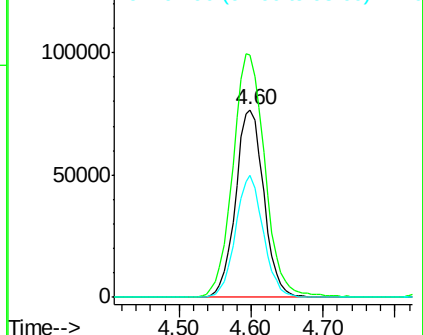
98 63.8 0.0 130.2



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: 51.54 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

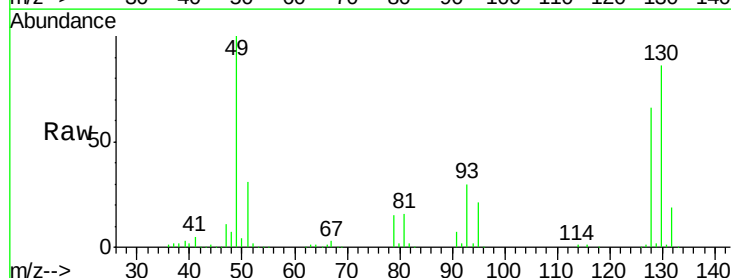
Tgt Ion: 49 Resp: 166773

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

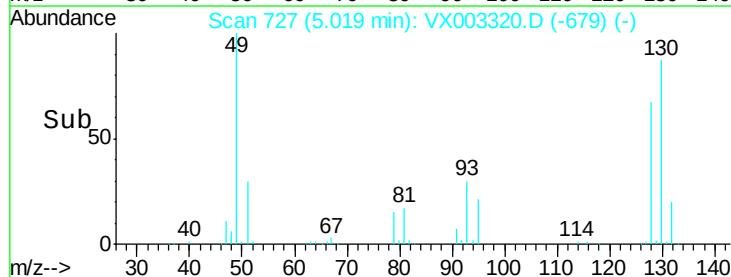
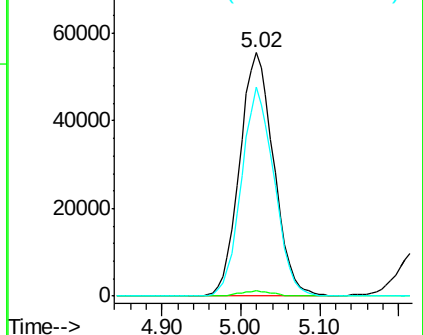
130 82.7 61.2 91.8

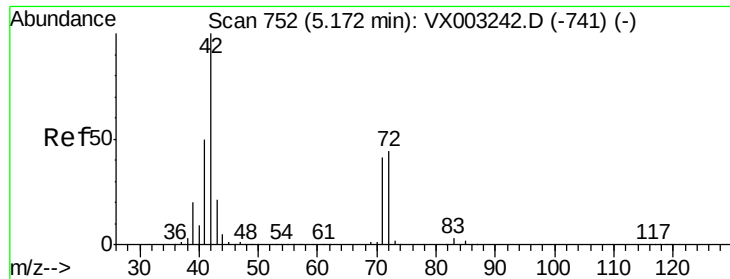


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 230.87 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

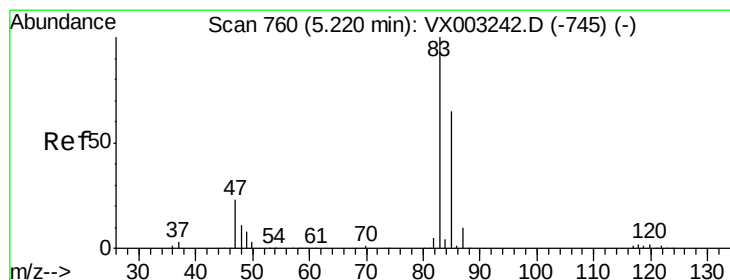
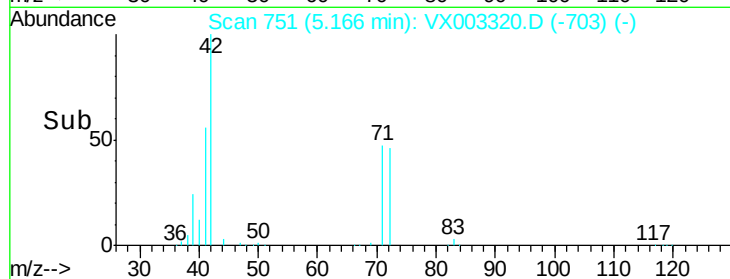
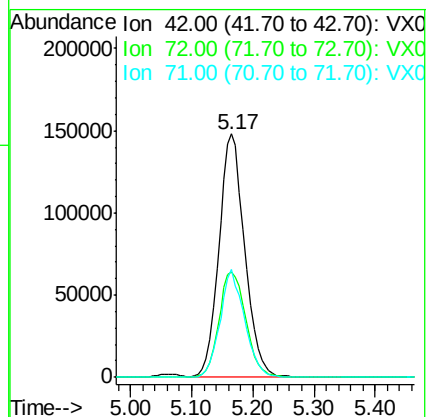
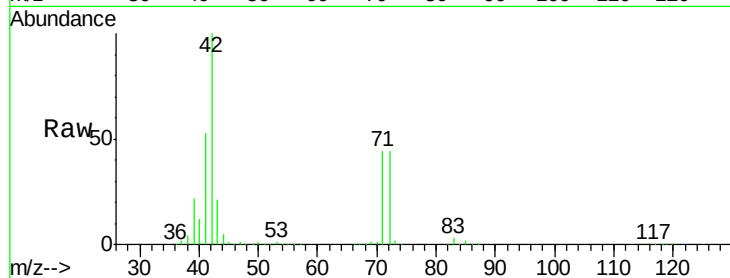
Tot Ion: 42 Resp: 431696

Ion Ratio Lower Upper

42 100

72 45.5 32.0 48.0

71 42.3 30.1 45.1



#30

Chloroform

Concen: 47.71 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX003320.D

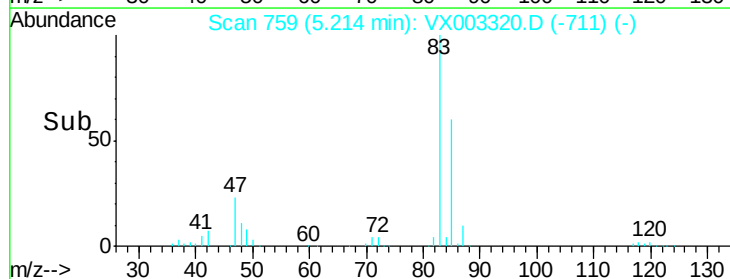
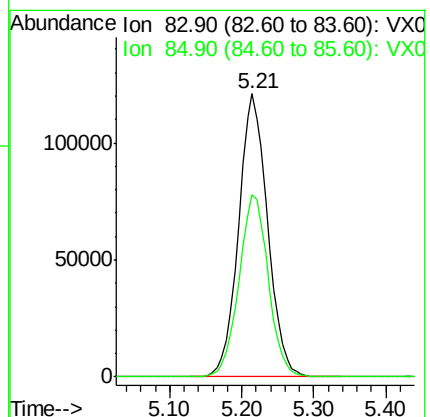
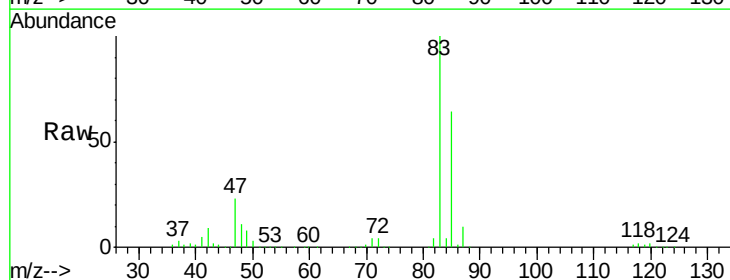
Acq: 11 Jul 2018 15:02

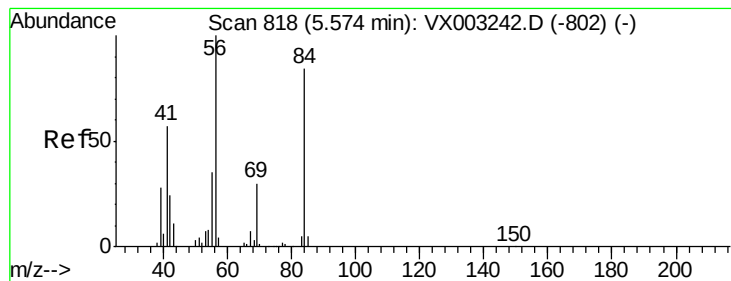
Tgt Ion: 83 Resp: 337064

Ion Ratio Lower Upper

83 100

85 64.4 50.4 75.6





#31

Cyclohexane

Concen: 49.84 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

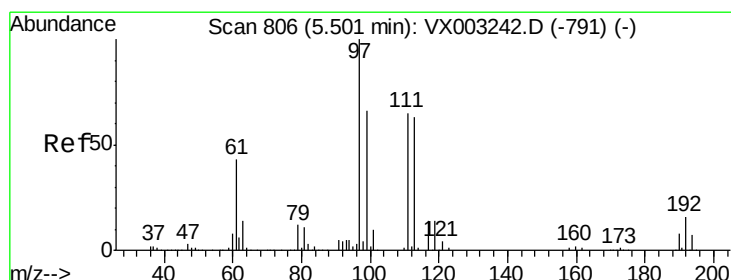
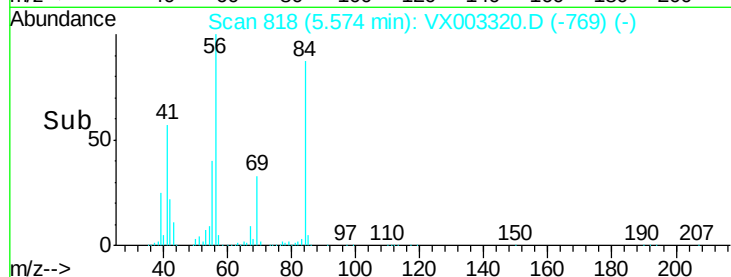
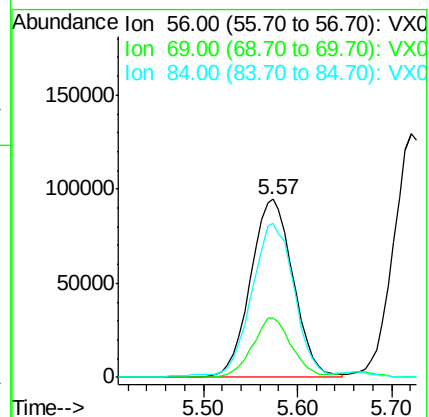
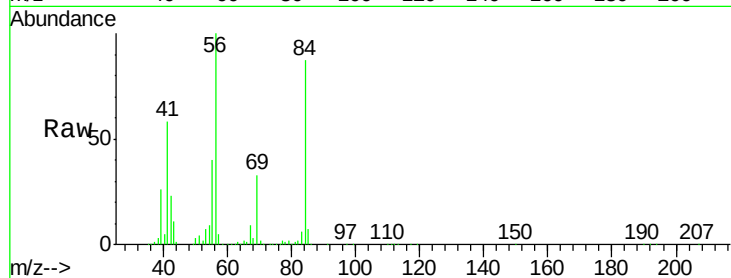
Tot Ion: 56 Resp: 299771

Ion Ratio Lower Upper

56 100

69 33.3 23.7 35.5

84 85.5 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 46.72 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

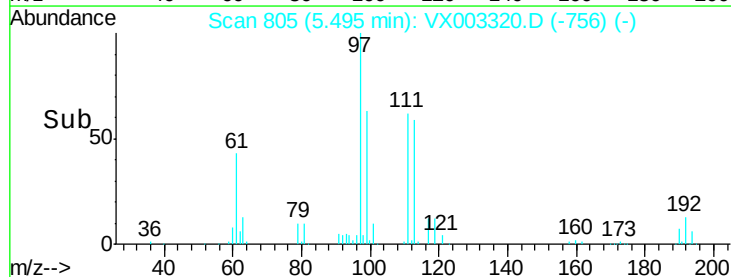
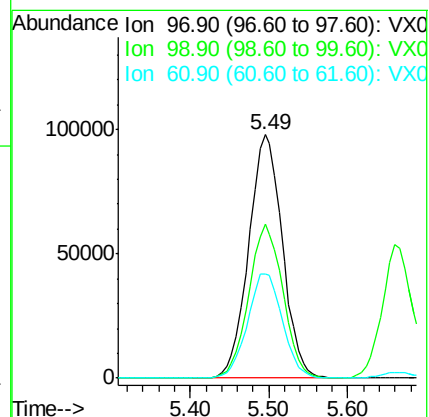
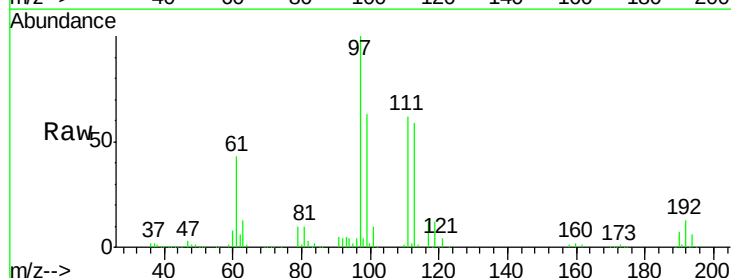
Tgt Ion: 97 Resp: 291202

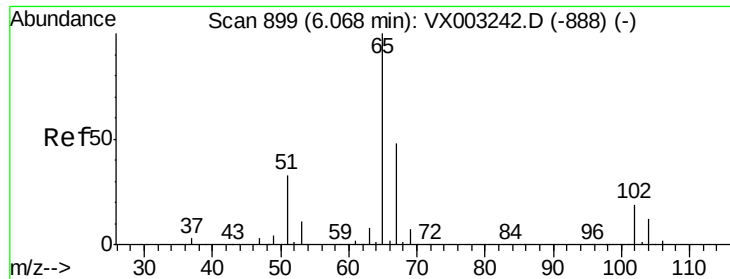
Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

61 44.4 36.4 54.6

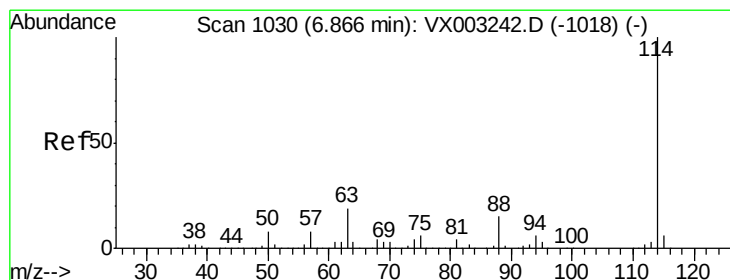
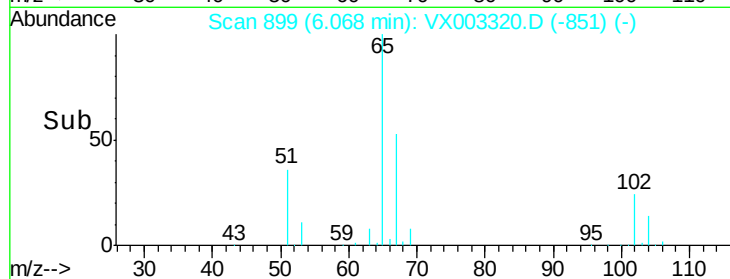
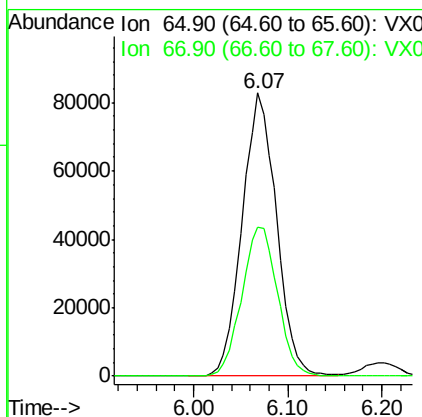
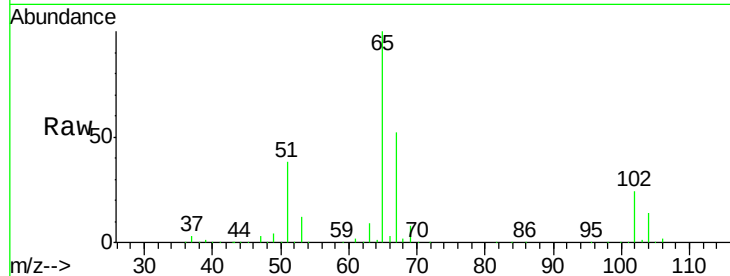




#33
 1,2-Dichloroethane-d4
 Concen: 46.15 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

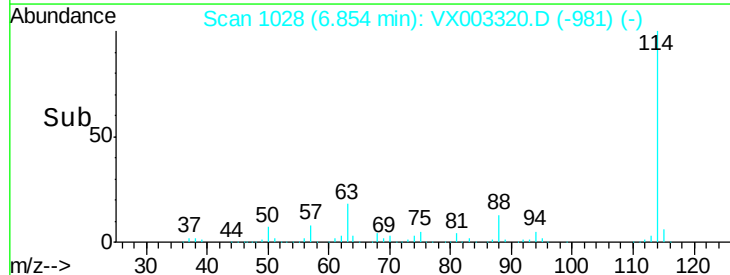
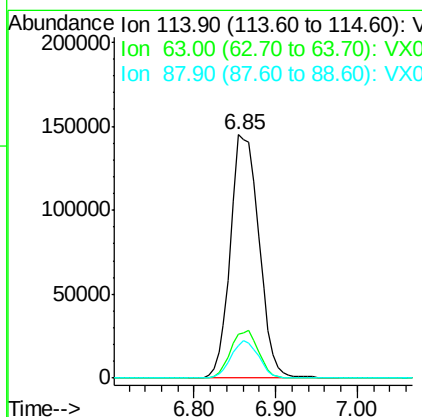
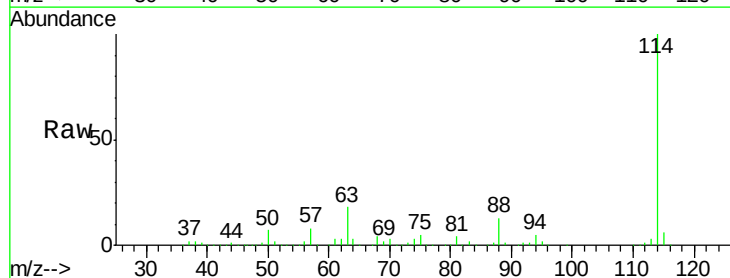
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

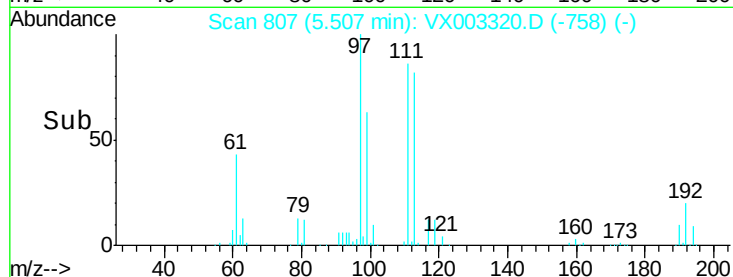
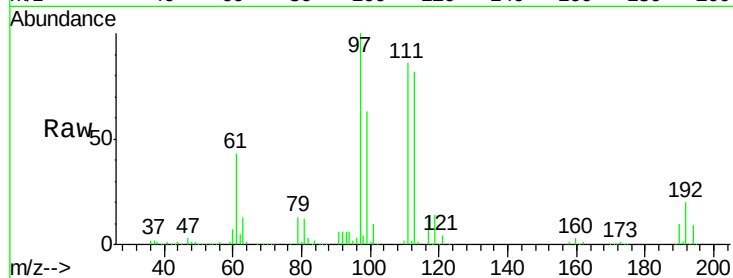
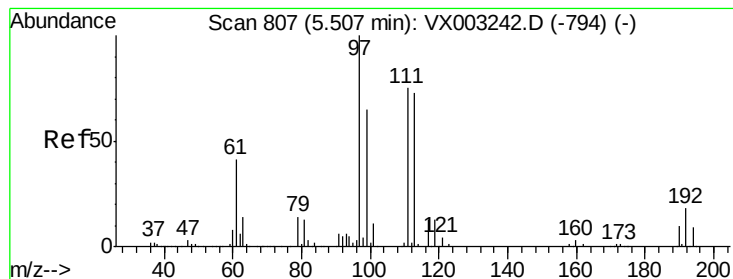
Tot Ion: 65 Resp: 211619
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.85 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion: 114 Resp: 352434
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 41.4
 88 13.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.98 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

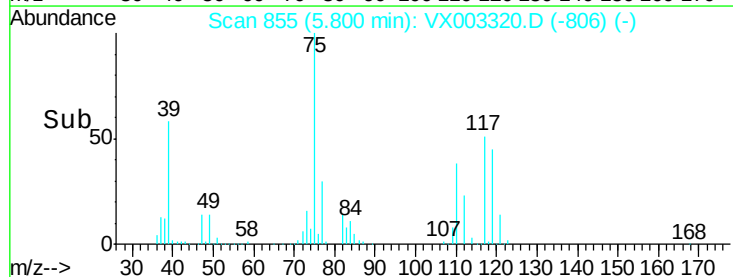
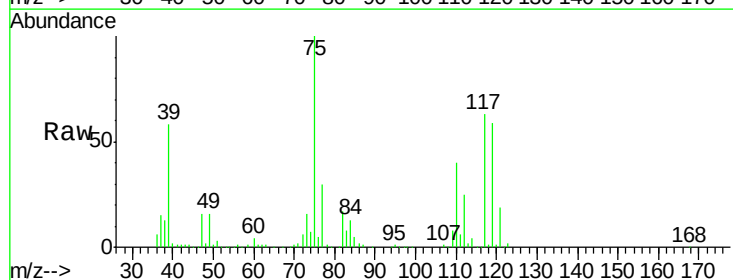
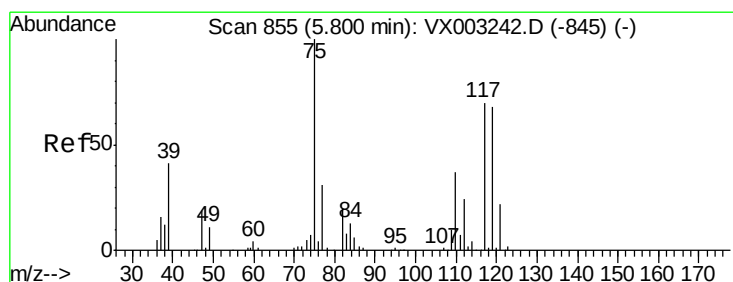
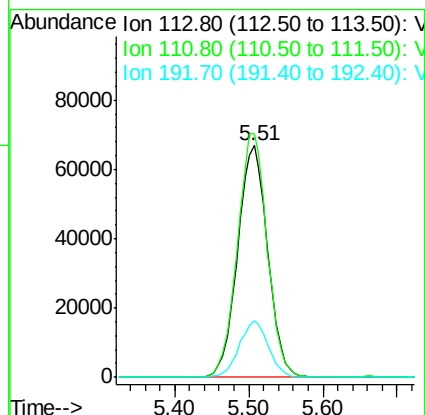
Tot Ion:113 Resp: 189235

Ion Ratio Lower Upper

113 100

111 104.4 81.4 122.0

192 23.7 19.1 28.7



#36

1,1-Dichloropropene

Concen: 50.81 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

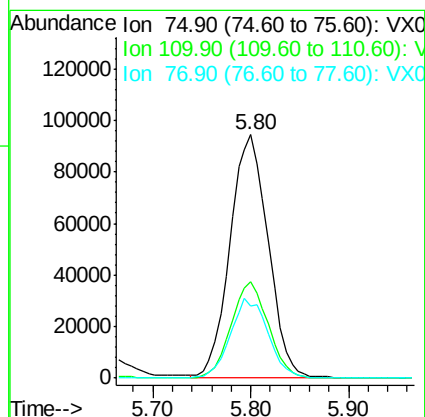
Tgt Ion: 75 Resp: 253509

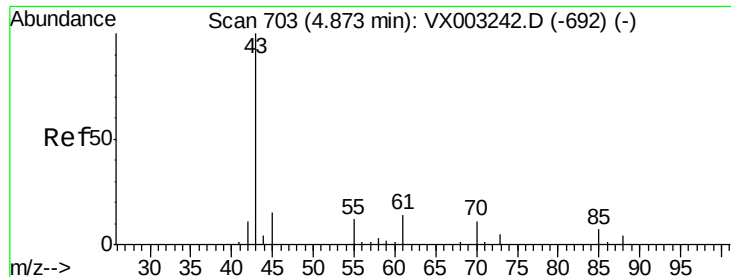
Ion Ratio Lower Upper

75 100

110 38.8 18.1 54.4

77 32.4 24.3 36.5

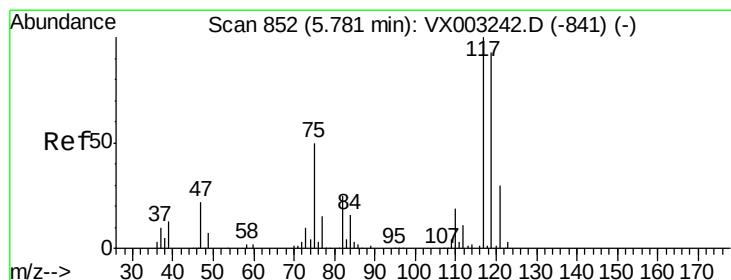
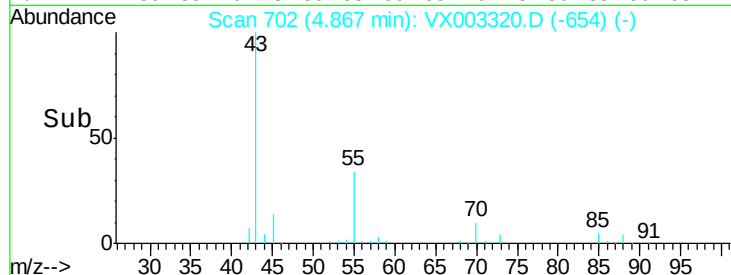
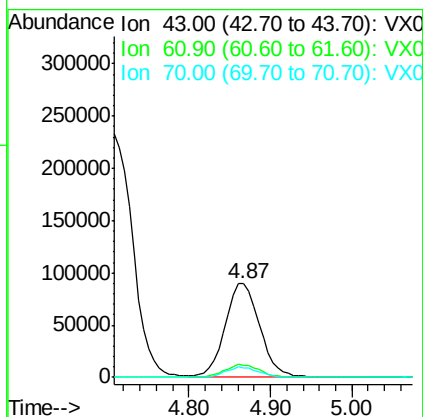
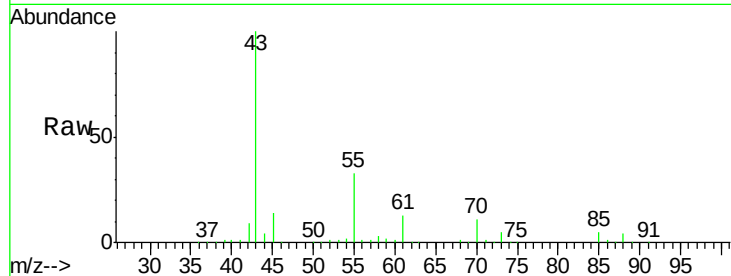




#37
Ethyl Acetate
Concen: 47.93 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

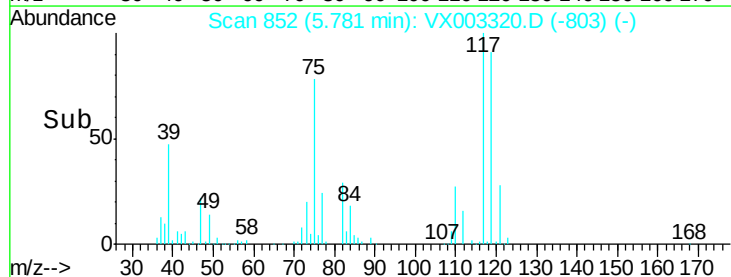
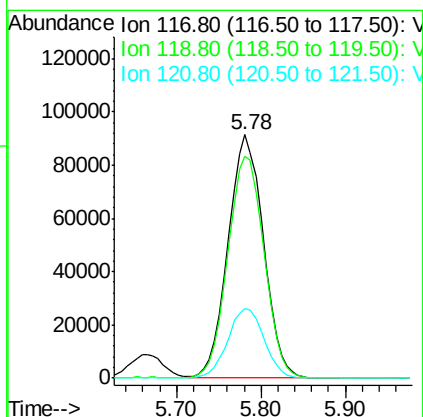
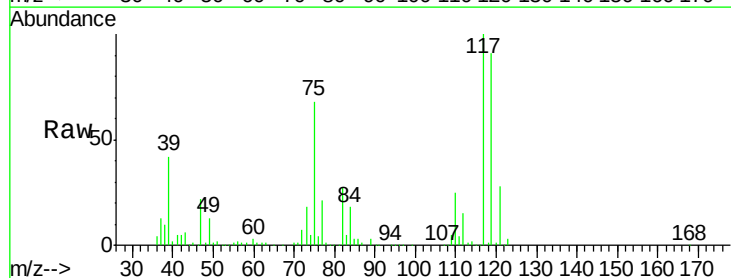
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

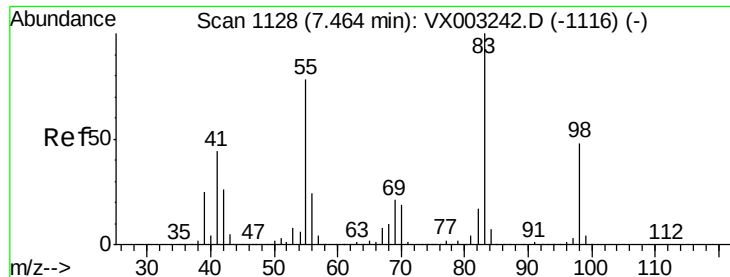
Tot Ion: 43 Resp: 262175
Ion Ratio Lower Upper
43 100
61 13.6 10.4 15.6
70 10.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 47.80 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion: 117 Resp: 260900
Ion Ratio Lower Upper
117 100
119 91.2 77.4 116.0
121 28.4 24.4 36.6

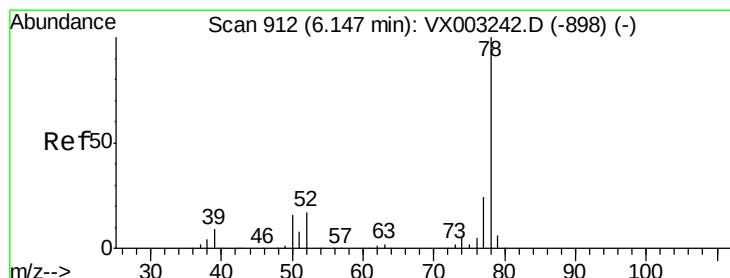
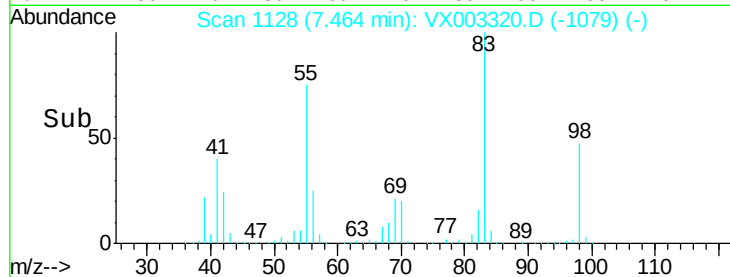
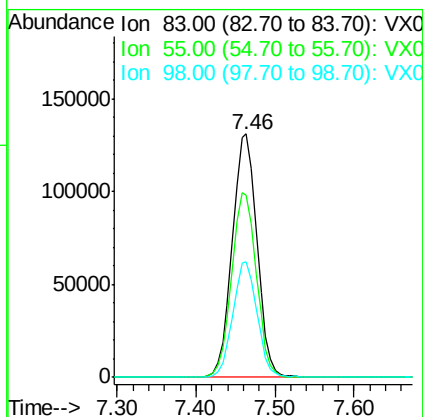
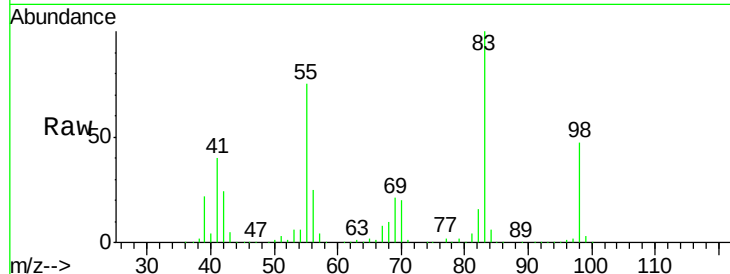




#39
Methylvlcyclohexane
Concen: 48.80 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

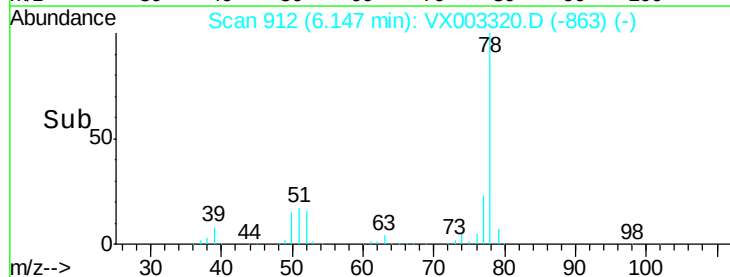
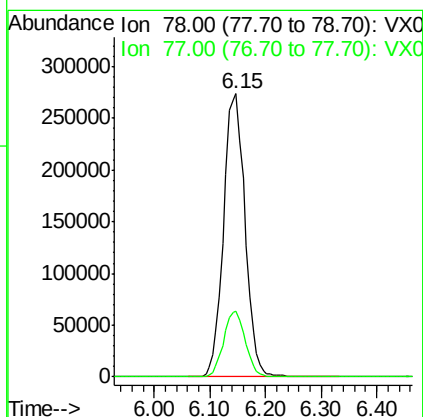
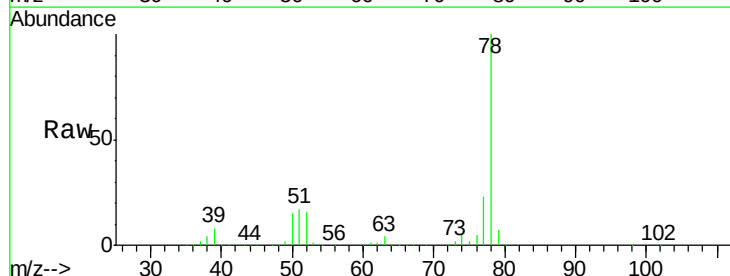
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

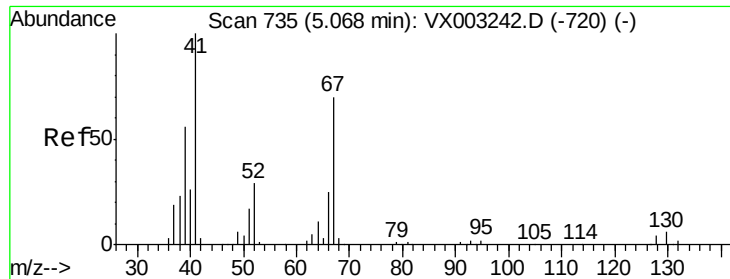
Tot Ion: 83 Resp: 286852
Ion Ratio Lower Upper
83 100
55 74.8 65.4 98.0
98 47.4 37.4 56.0



#40
Benzene
Concen: 49.68 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion: 78 Resp: 734537
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7

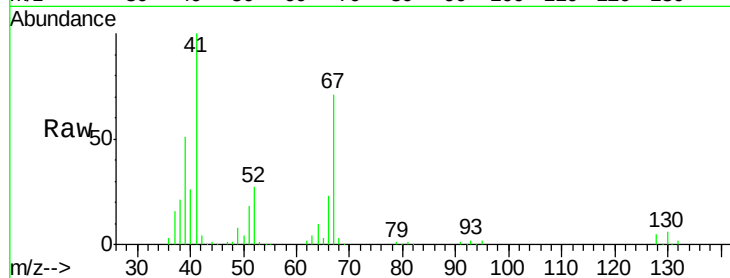




#41
Methacrylonitrile
Concen: 49.29 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	147599
Ion	Ratio	Lower	Upper
41	100		
39	54.0	45.8	68.6
67	71.4	51.3	76.9
52	29.1	23.0	34.6



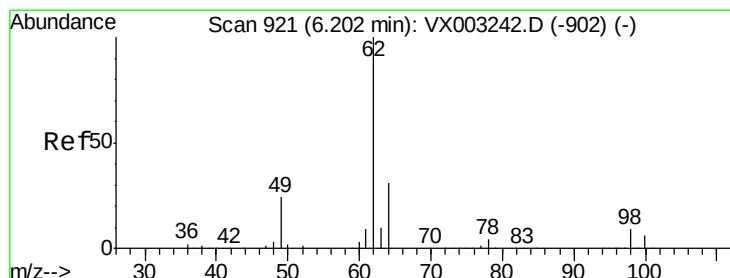
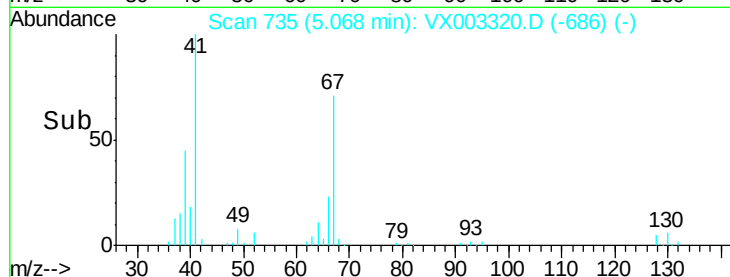
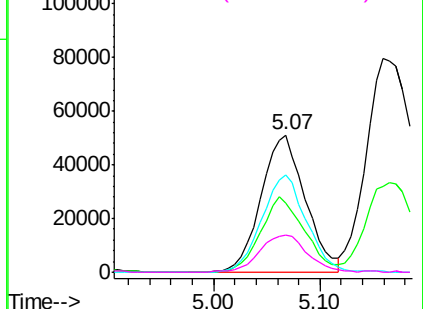
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

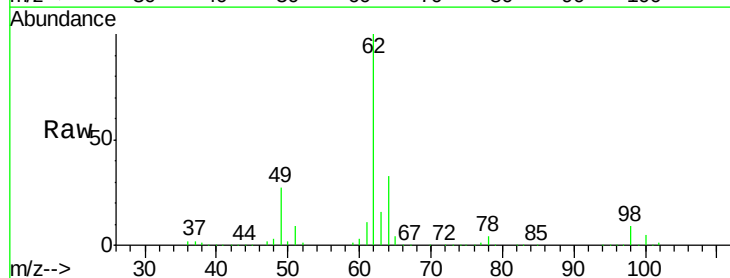
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 47.41 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

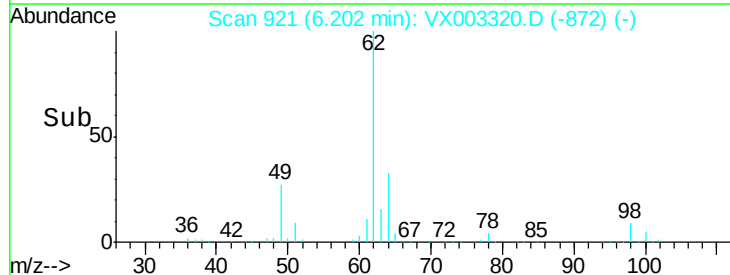
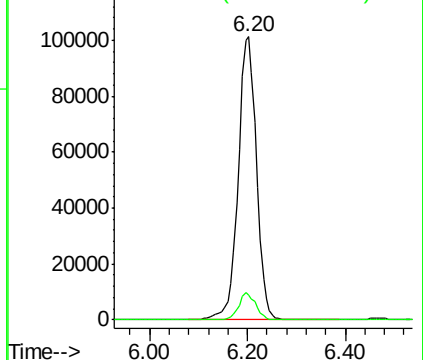
Tgt Ion:	62	Resp:	261882
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.6

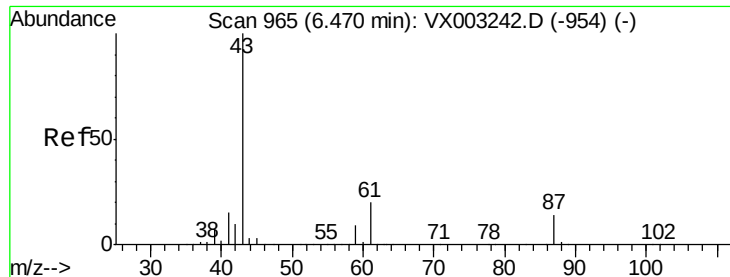


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 44.43 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

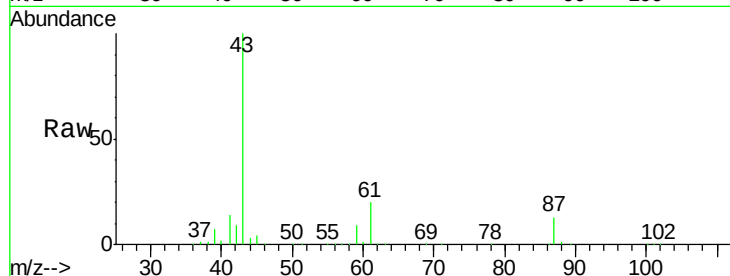
Tot Ion: 43 Resp: 381621

Ion Ratio Lower Upper

43 100

61 20.0 14.4 21.6

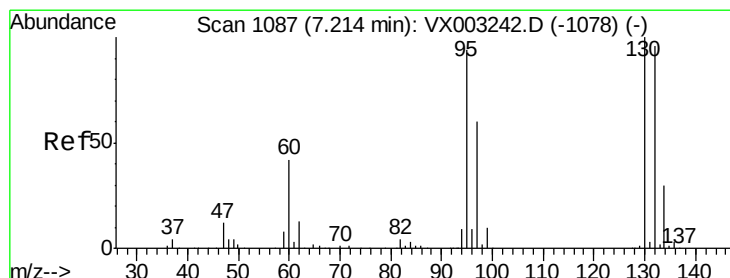
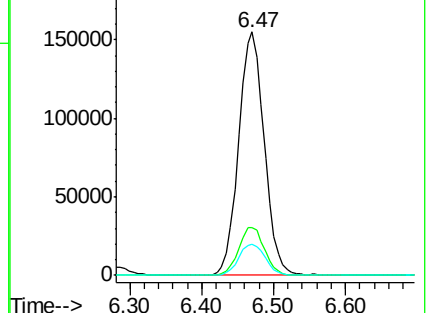
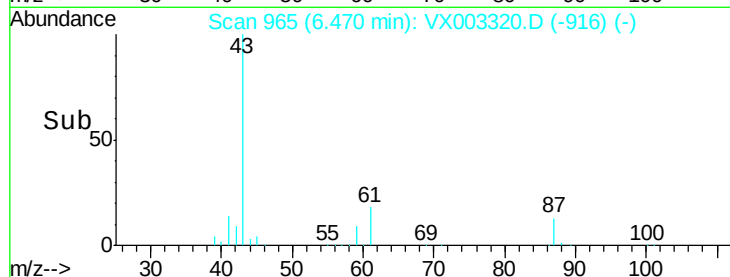
87 13.4 9.5 14.3



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: 45.21 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003320.D

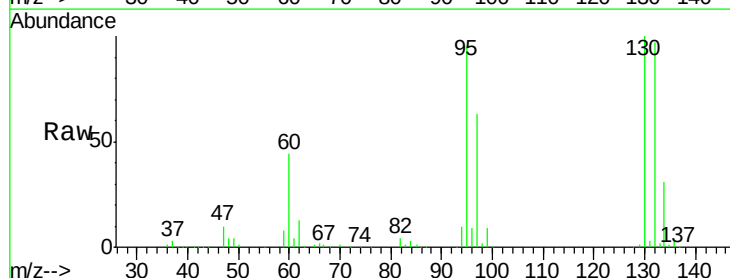
Acq: 11 Jul 2018 15:02

Tgt Ion:130 Resp: 197665

Ion Ratio Lower Upper

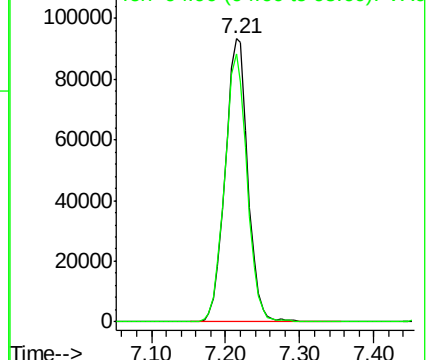
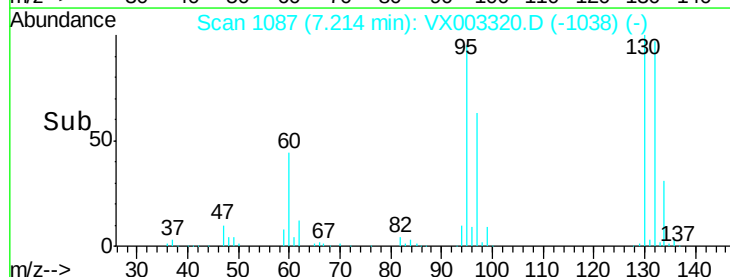
130 100

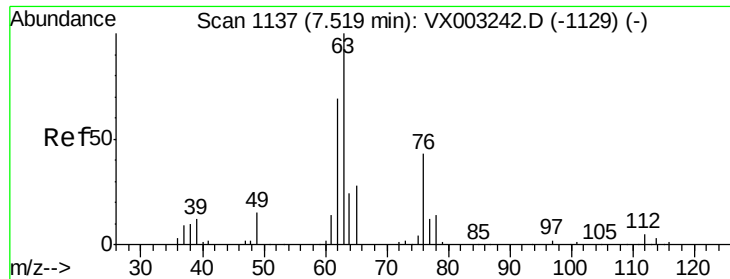
95 94.8 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

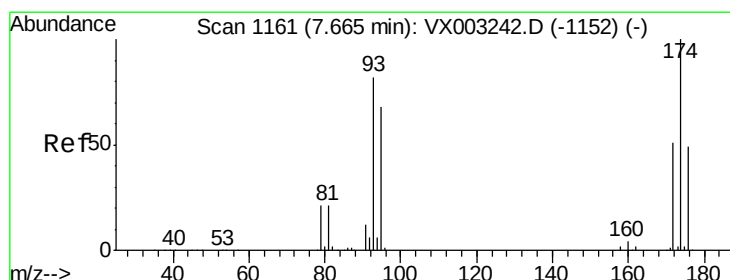
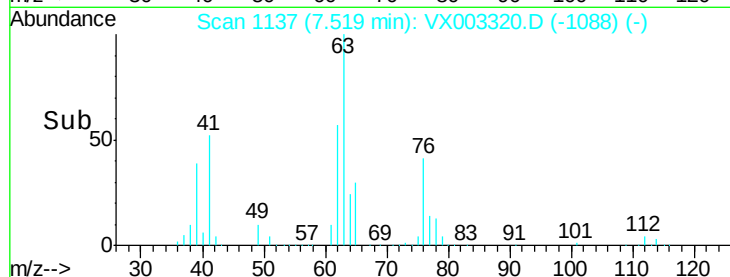
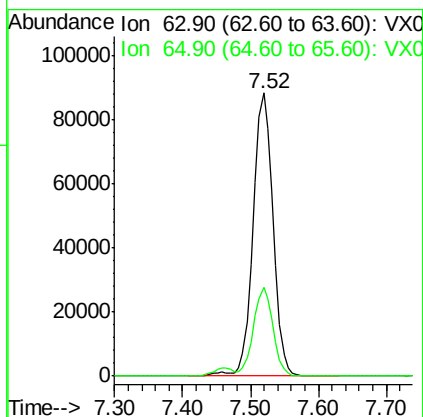
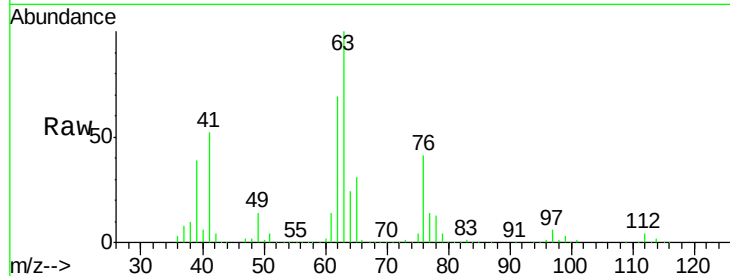




#45
 1,2-Dichloropropane
 Concen: 47.22 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

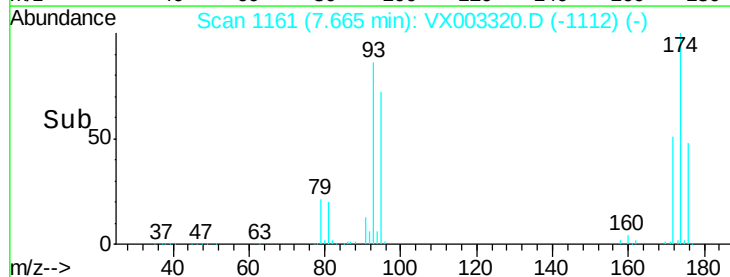
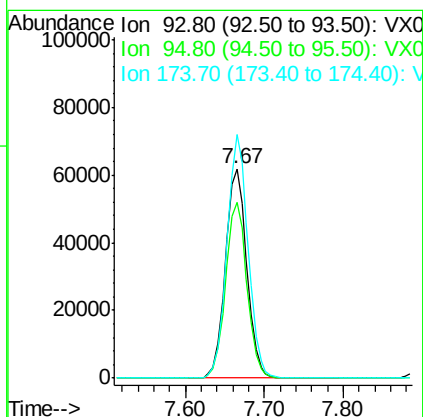
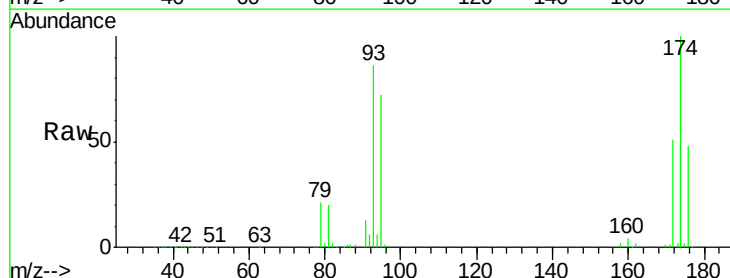
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

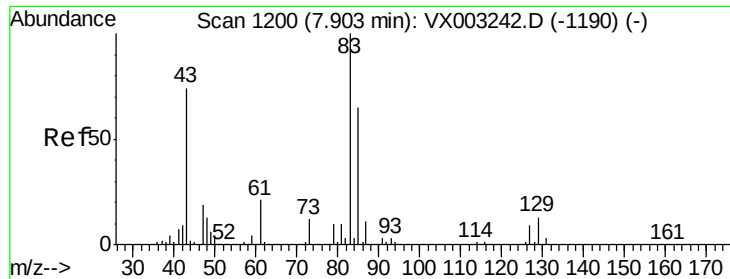
Tot Ion: 63 Resp: 181528
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.7 37.1



#46
 Dibromomethane
 Concen: 44.49 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion: 93 Resp: 116560
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.9 98.9
 174 114.8 92.4 138.6





#47

Bromodichloromethane

Concen: 46.14 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

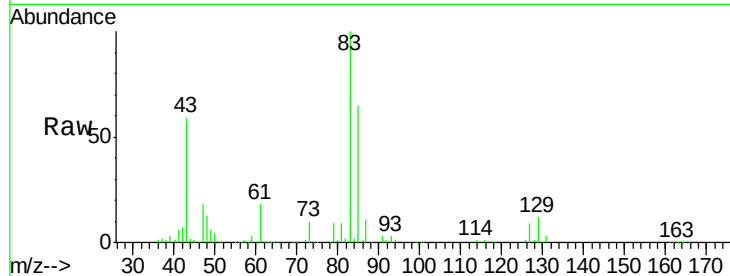
Tot Ion: 83 Resp: 223054

Ion Ratio Lower Upper

83 100

85 65.3 50.3 75.5

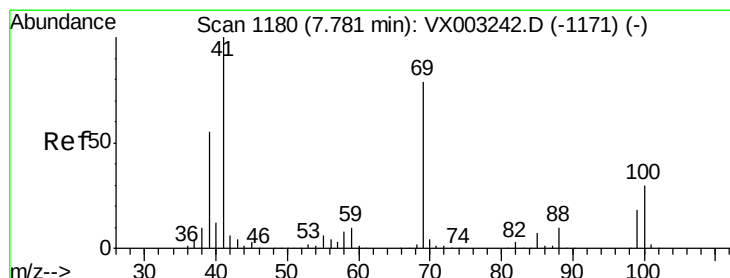
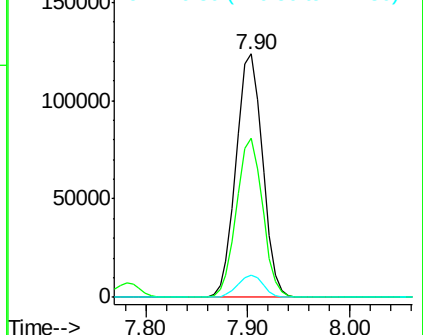
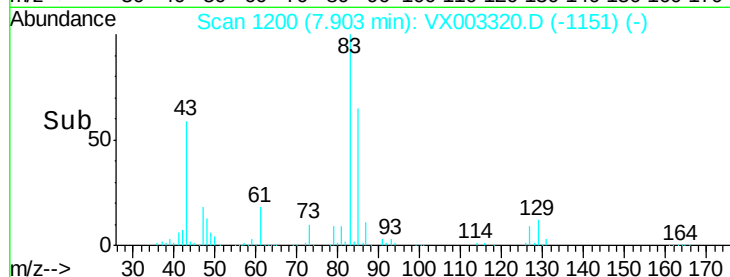
127 9.0 7.0 10.4



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: 45.70 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

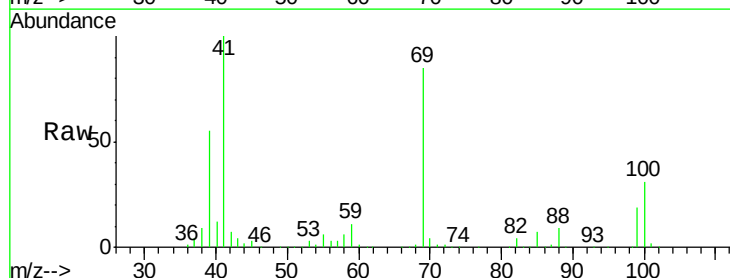
Tgt Ion: 41 Resp: 201299

Ion Ratio Lower Upper

41 100

69 83.6 59.1 88.7

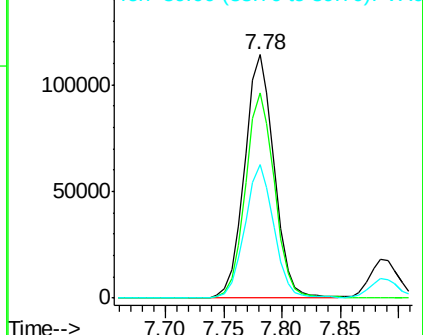
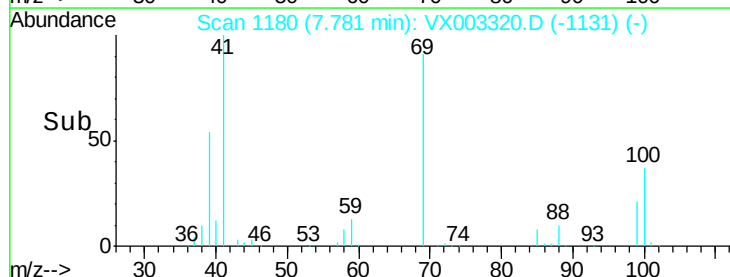
39 53.6 48.9 73.3

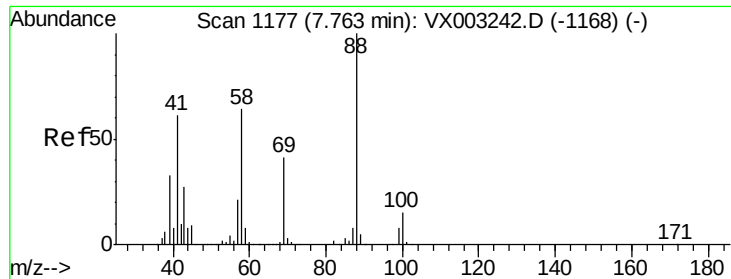


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

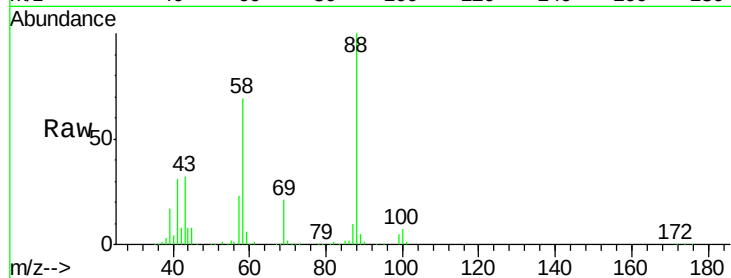




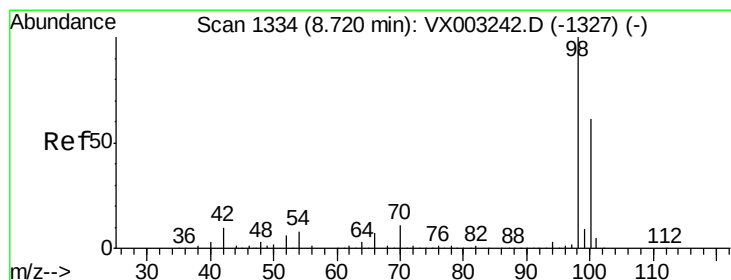
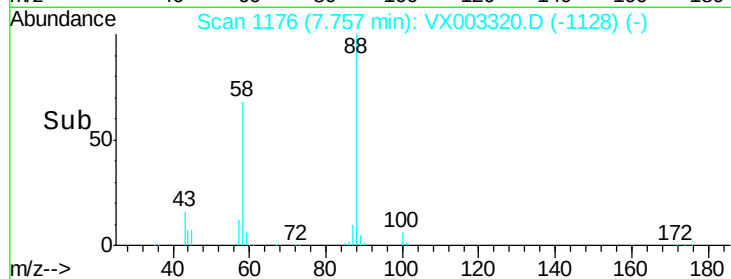
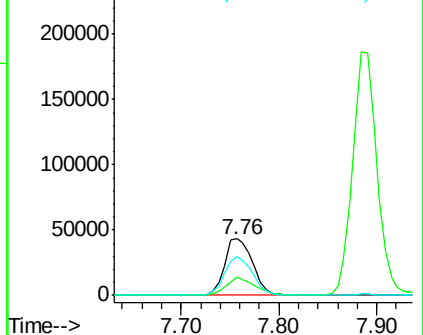
#49
 1,4-Dioxane
 Concen: 935.39 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 86152
 Ion Ratio Lower Upper
 88 100
 43 31.9 29.8 44.6
 58 68.5 57.1 85.7

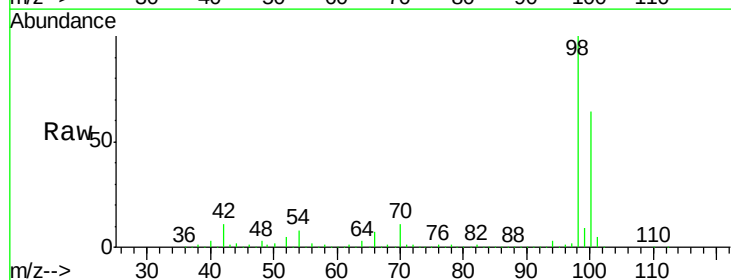


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

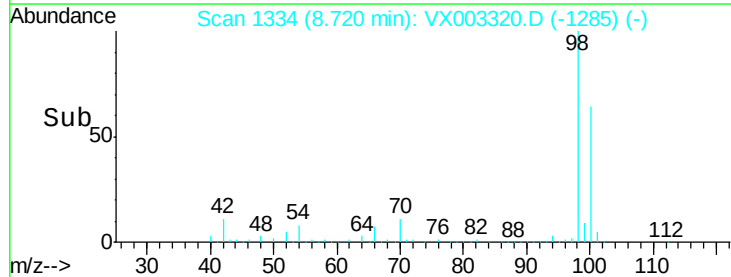
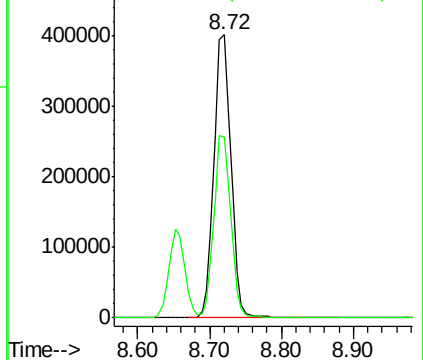


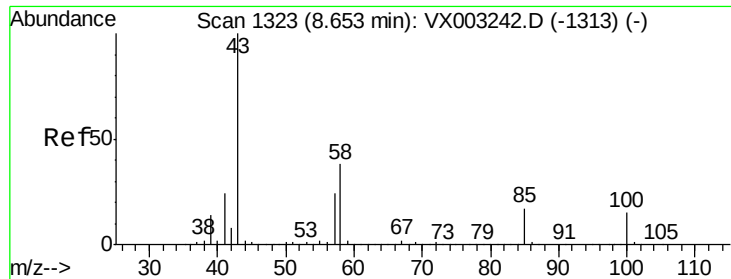
#50
 Toluene-d8
 Concen: 48.89 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion: 98 Resp: 657454
 Ion Ratio Lower Upper
 98 100
 100 64.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 238.23 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

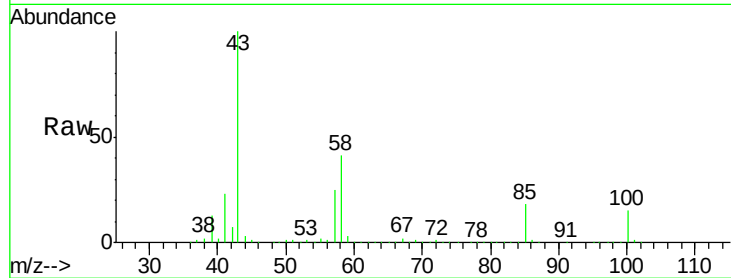
VSTDCCC050

Tot Ion: 43 Resp: 1273809

Ion Ratio Lower Upper

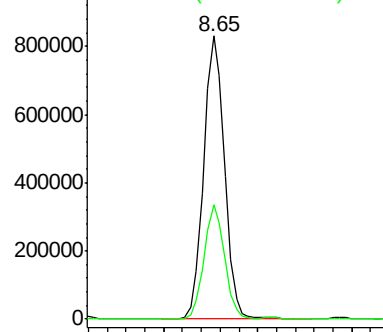
43 100

58 39.5 28.6 42.8

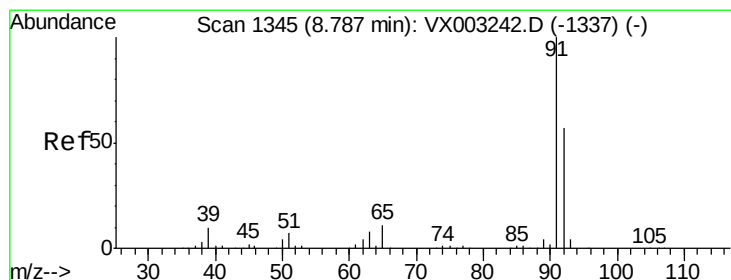
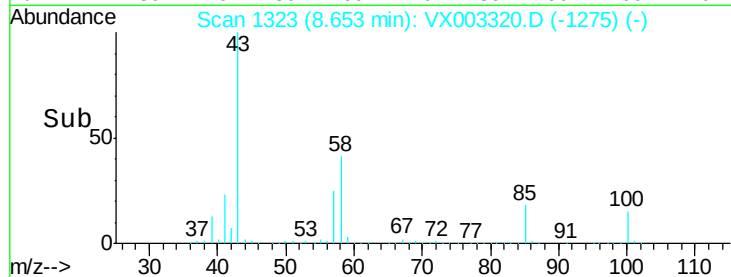


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 48.20 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003320.D

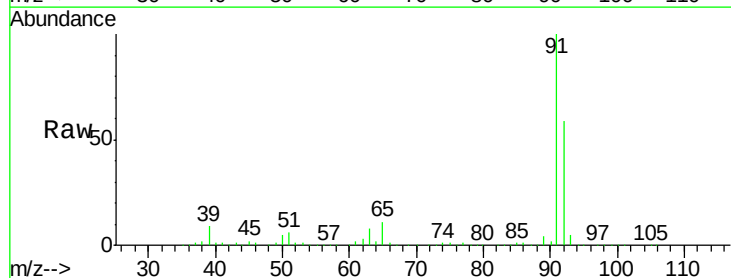
Acq: 11 Jul 2018 15:02

Tgt Ion: 92 Resp: 450465

Ion Ratio Lower Upper

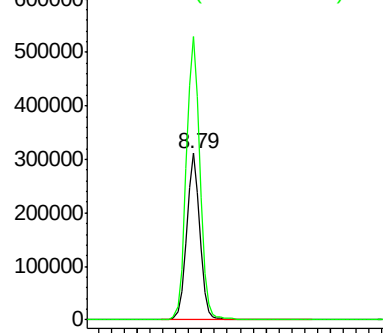
92 100

91 177.1 140.4 210.6

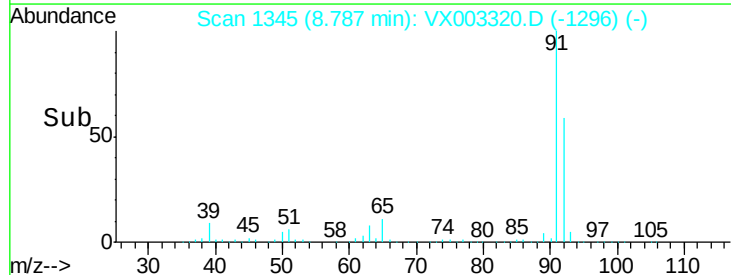


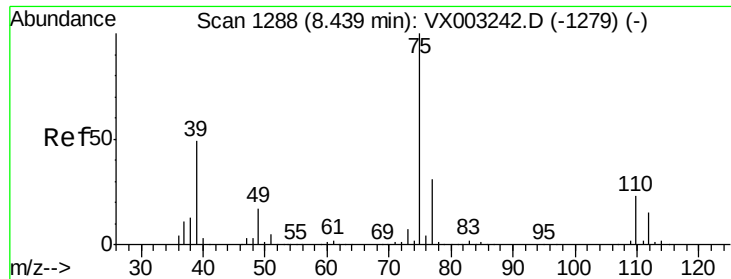
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





#53

t-1,3-Dichloropropene

Concen: 48.04 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

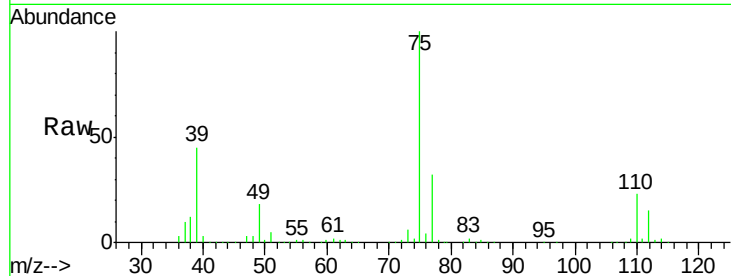
VSTDCCC050

Tot Ion: 75 Resp: 273286

Ion Ratio Lower Upper

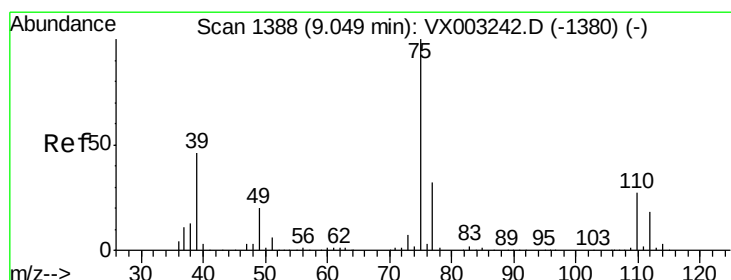
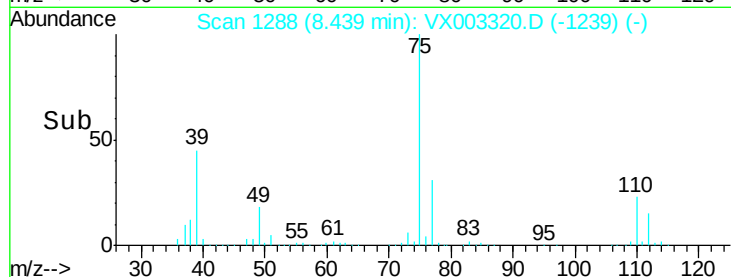
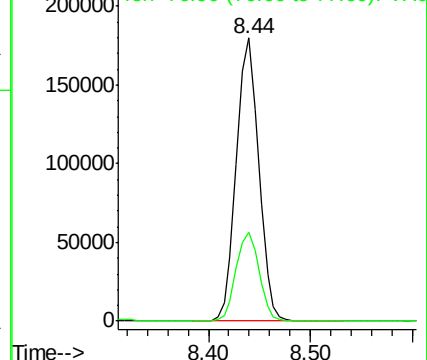
75 100

77 31.5 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 49.63 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

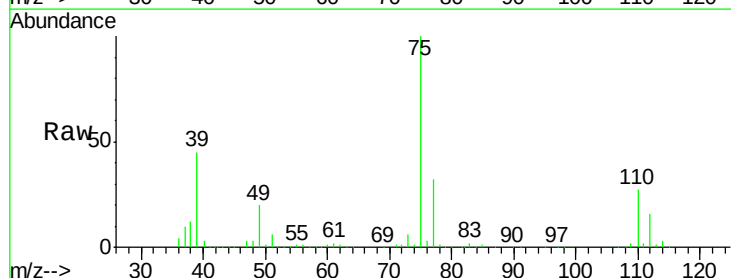
Tgt Ion: 75 Resp: 256918

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

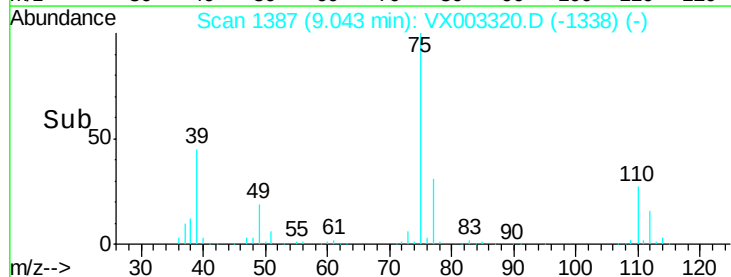
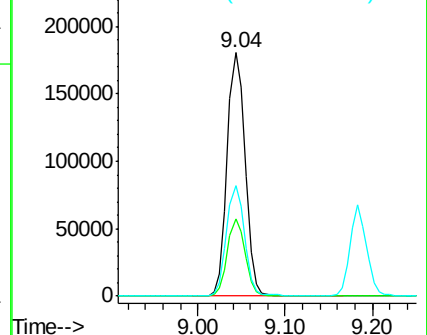
39 45.2 42.4 63.6

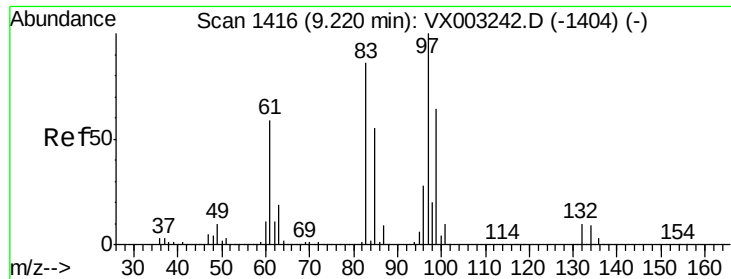


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

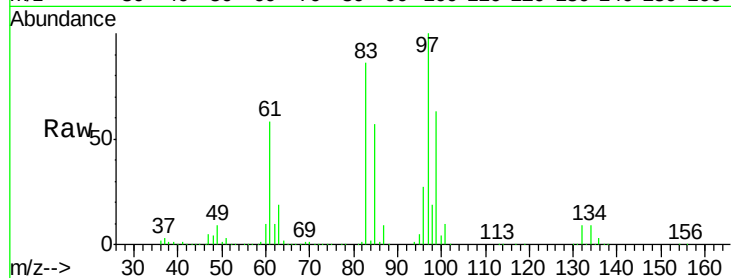




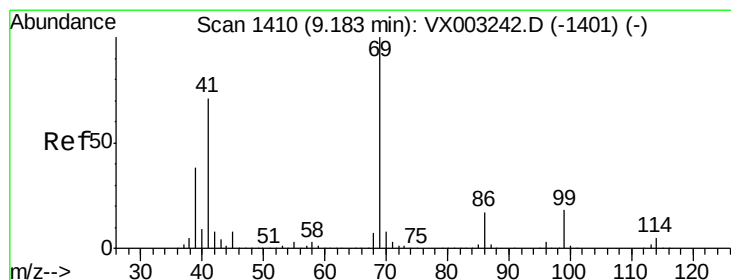
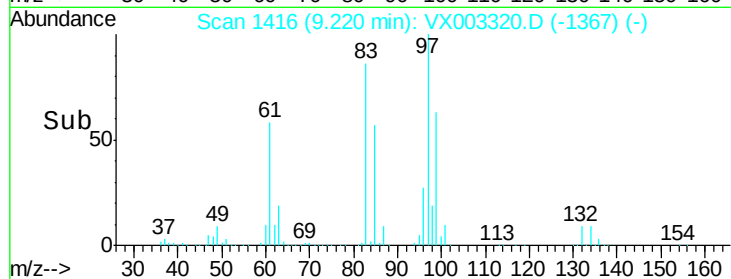
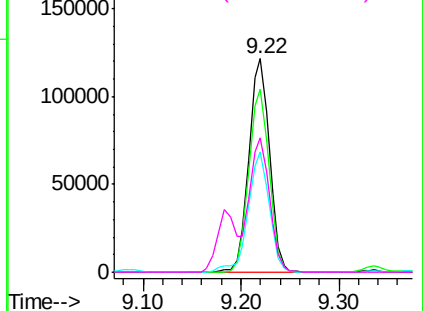
#55
 1,1,2-Trichloroethane
 Concen: 46.15 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	178929
Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.2	105.2
85	56.6	44.9	67.3
99	62.7	49.8	74.8

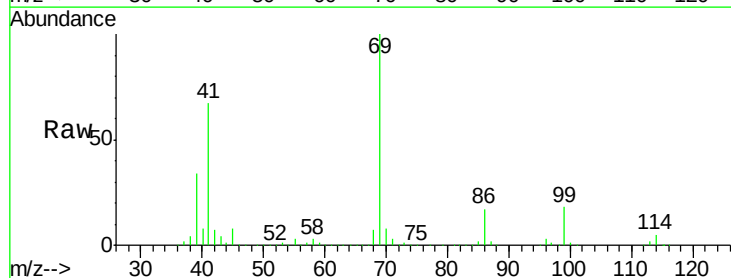


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

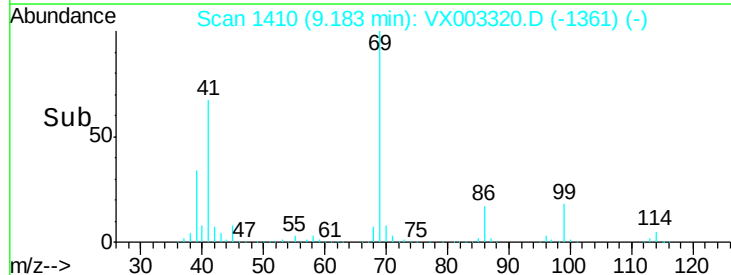
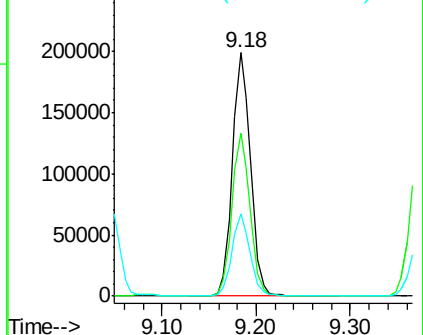


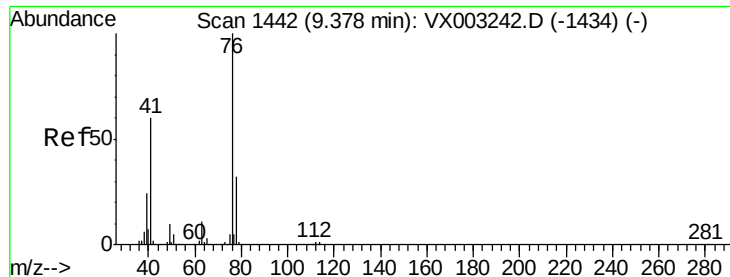
#56
 Ethyl methacrylate
 Concen: 50.00 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion:	69	Resp:	265546
Ion	Ratio	Lower	Upper
69	100		
41	66.4	60.3	90.5
39	33.6	35.8	53.8#



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

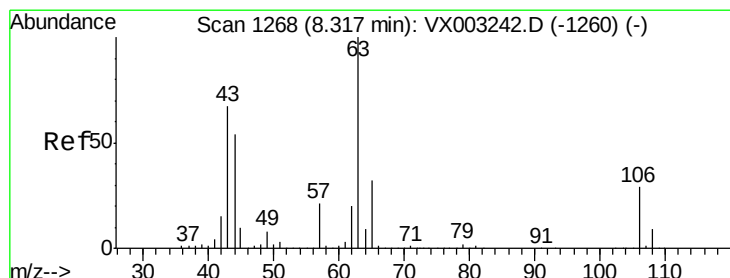
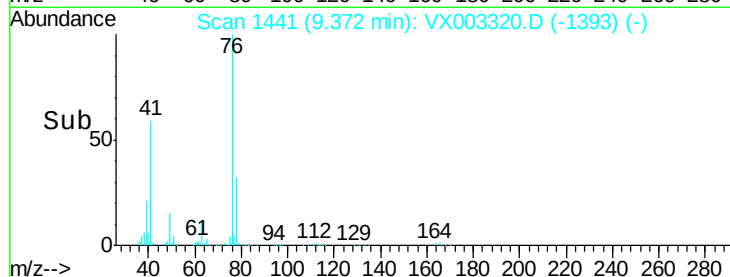
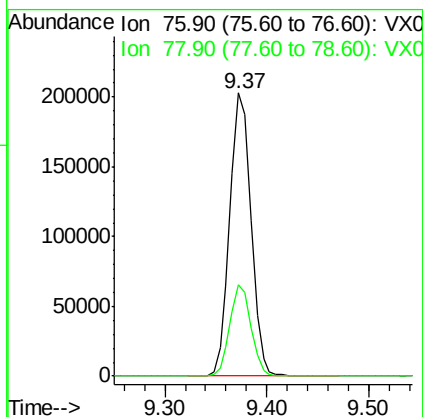
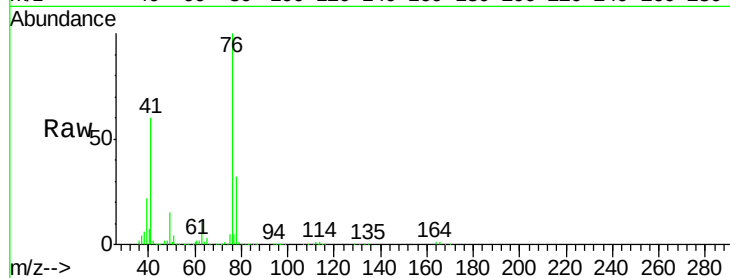




#57
 1,3-Dichloropropane
 Concen: 46.79 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

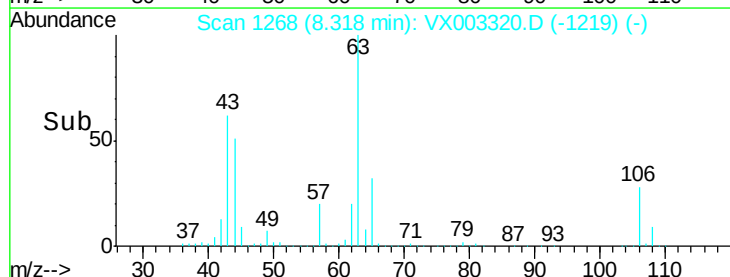
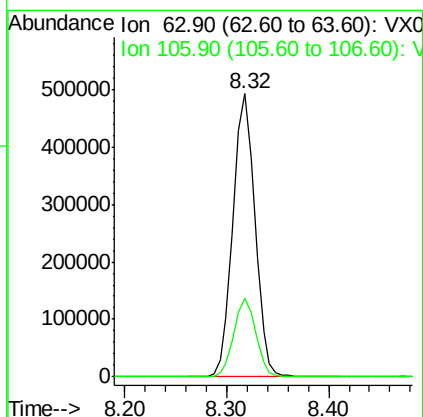
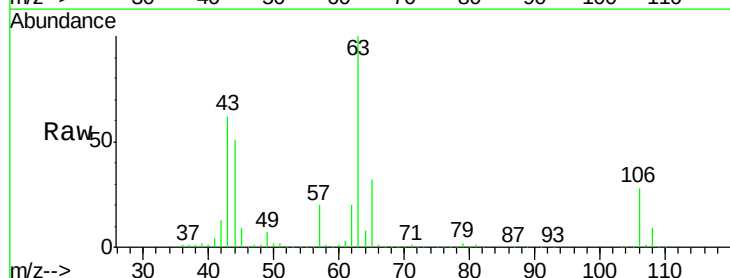
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

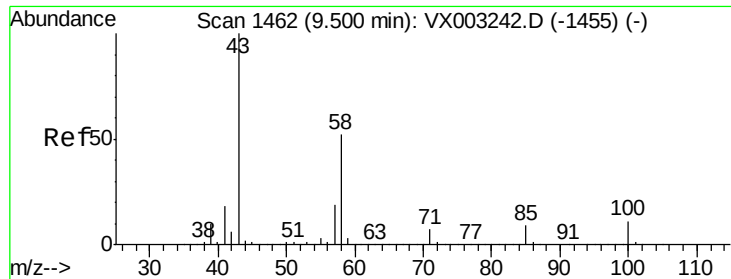
Tot Ion: 76 Resp: 292212
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.51 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion: 63 Resp: 733954
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.8 32.8

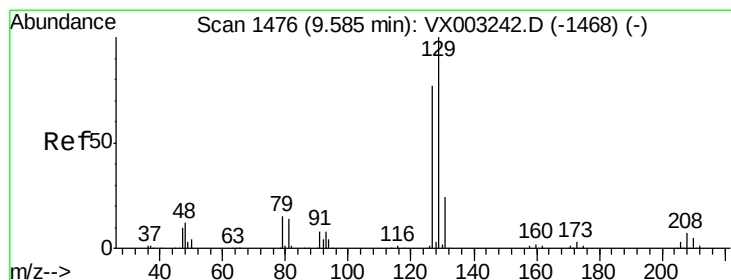
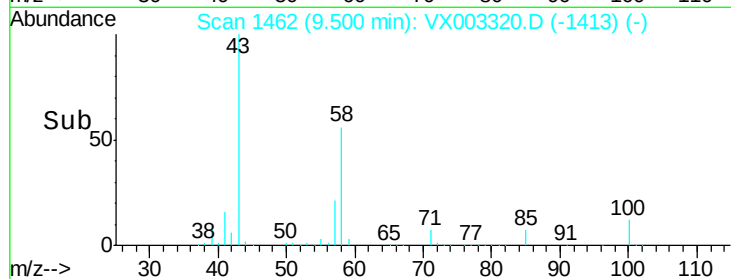
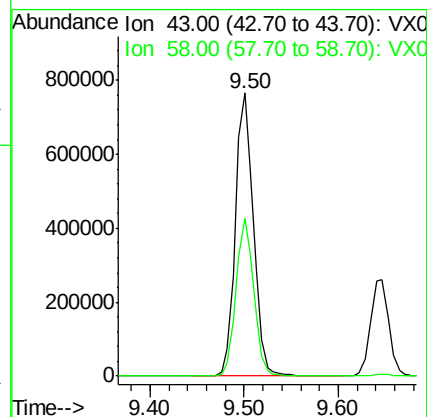
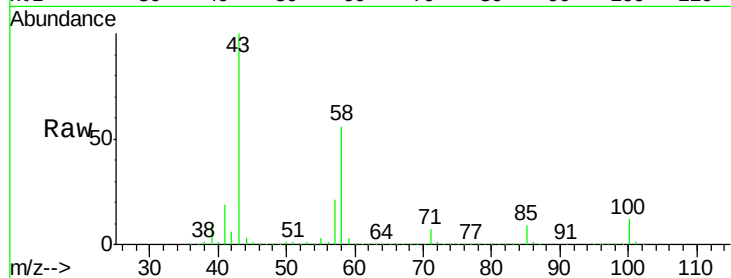




#59
2-Hexanone
Concen: 250.90 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

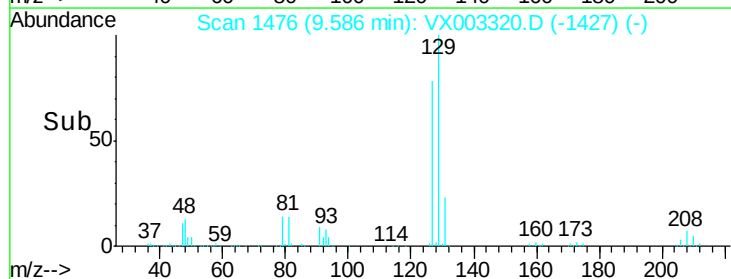
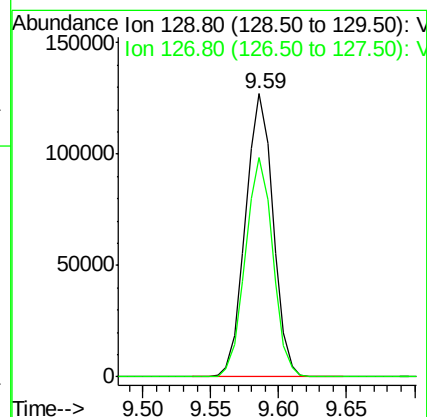
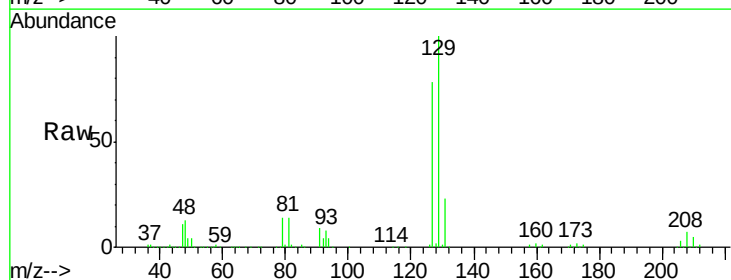
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

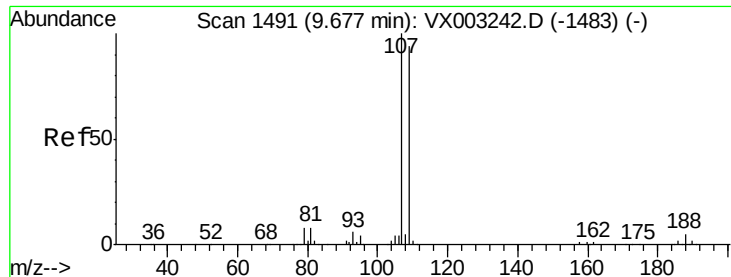
Tot Ion: 43 Resp: 1018968
Ion Ratio Lower Upper
43 100
58 54.9 24.6 73.6



#60
Dibromochloromethane
Concen: 44.81 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion: 129 Resp: 181397
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 45.32 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

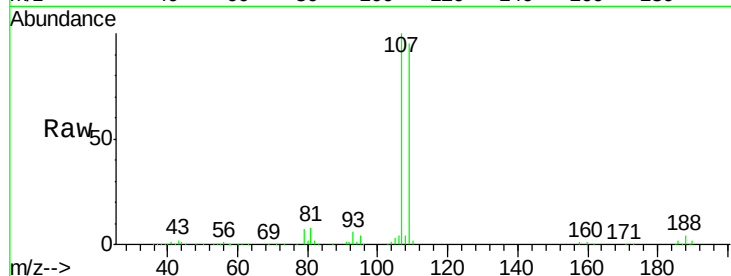
VSTDCCC050

Tot Ion:107 Resp: 184168

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

9.68

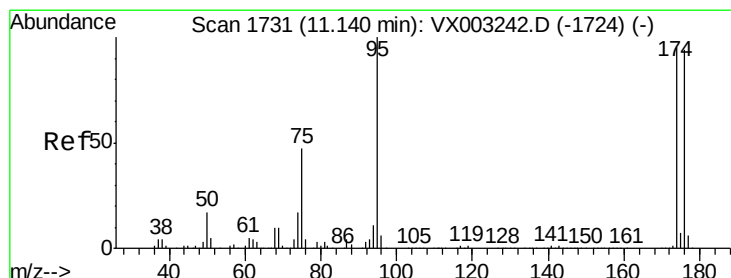
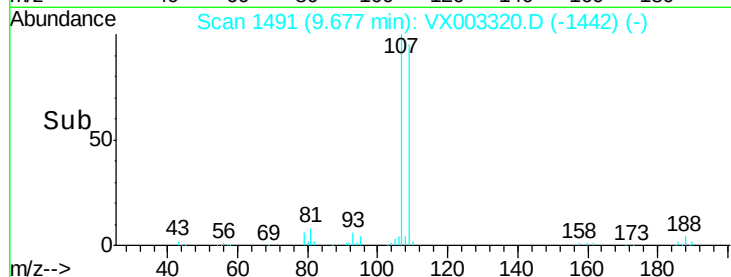
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

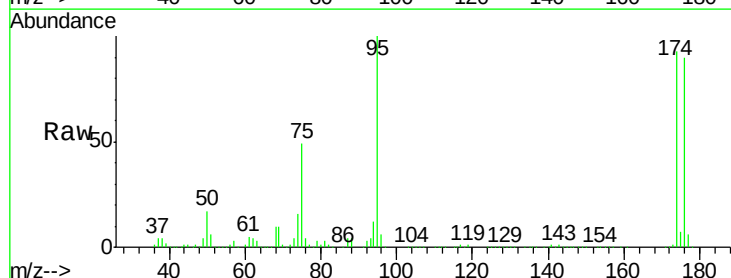
Tgt Ion: 95 Resp: 239778

Ion Ratio Lower Upper

95 100

174 92.4 0.0 187.4

176 90.0 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

250000

200000

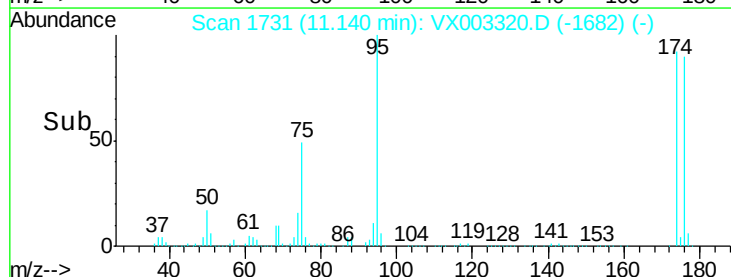
150000

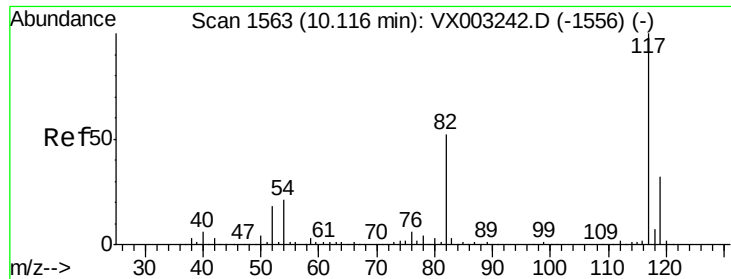
100000

50000

0

Time-->

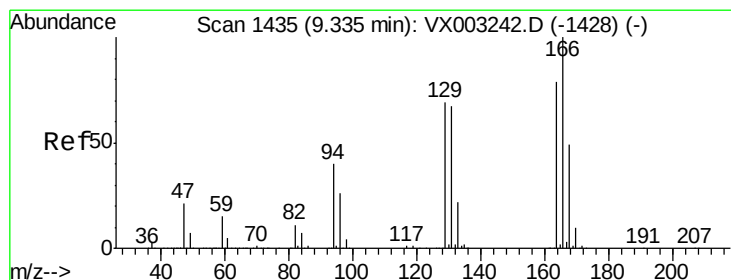
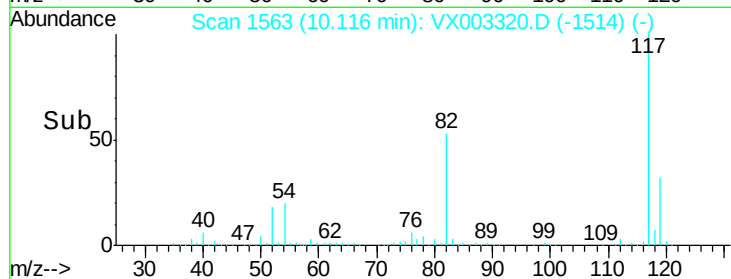
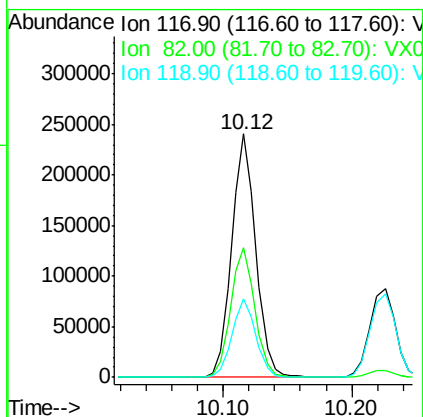
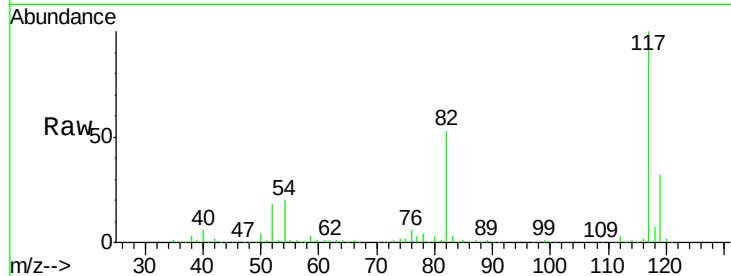




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

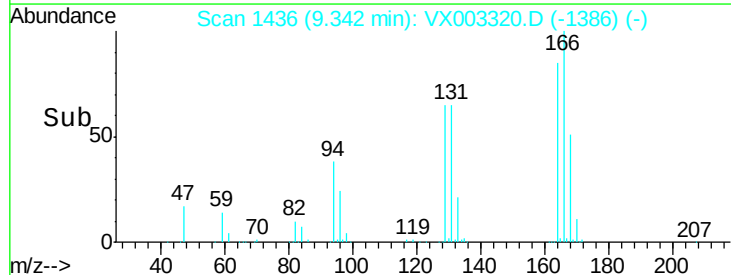
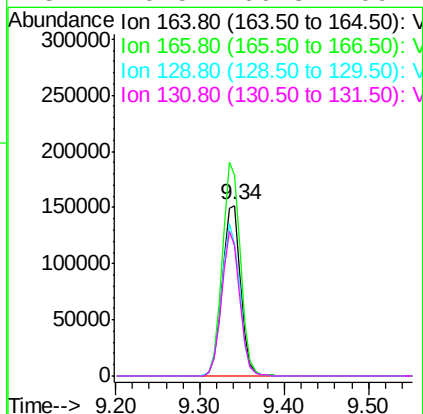
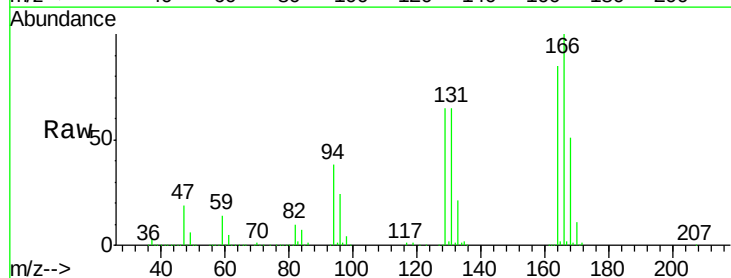
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

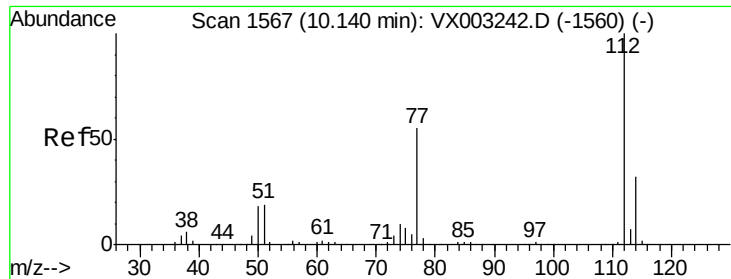
Tot Ion:117 Resp: 313650
Ion Ratio Lower Upper
117 100
82 53.1 45.0 67.4
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 48.14 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion:164 Resp: 228252
Ion Ratio Lower Upper
164 100
166 117.9 102.9 154.3
129 76.9 68.6 102.8
131 76.5 66.8 100.2





#65

Chlorobenzene

Concen: 46.32 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

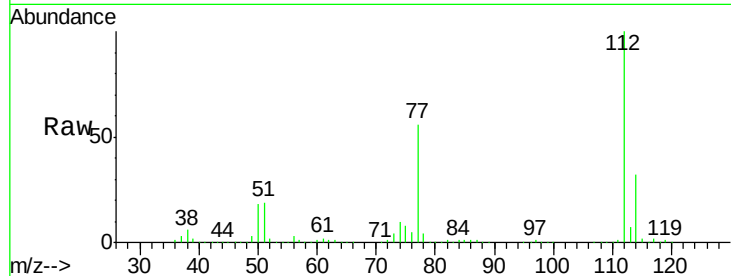
VSTDCCC050

Tot Ion:112 Resp: 493624

Ion Ratio Lower Upper

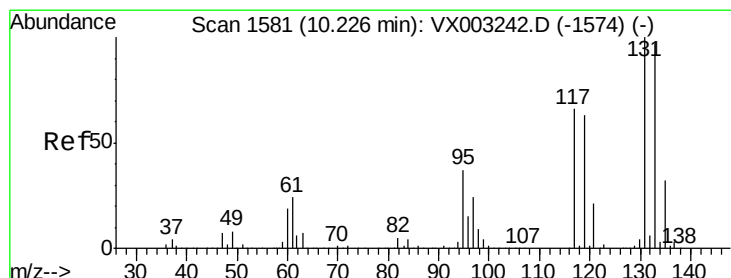
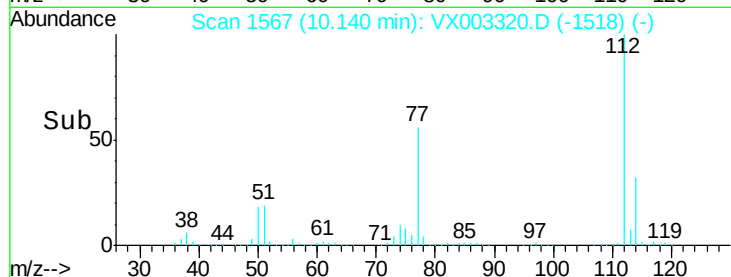
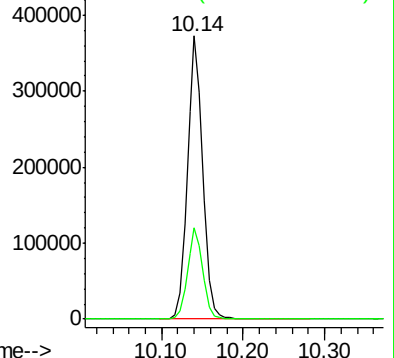
112 100

114 32.4 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 46.01 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

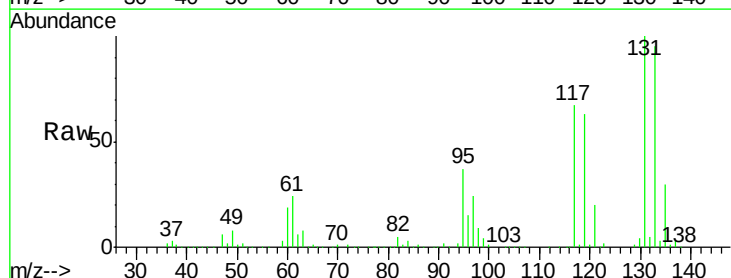
Tgt Ion:131 Resp: 176918

Ion Ratio Lower Upper

131 100

133 95.3 47.9 143.6

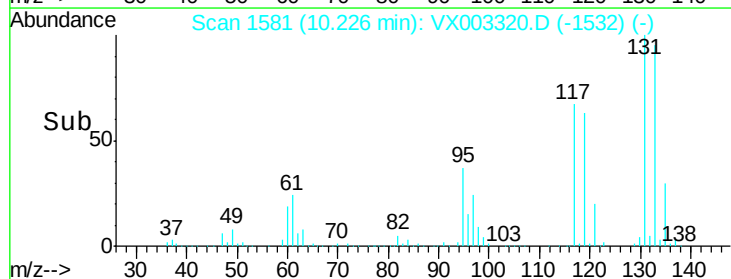
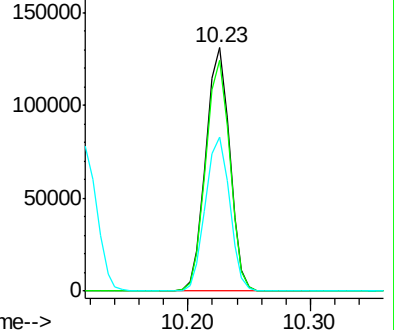
119 64.4 31.8 95.3

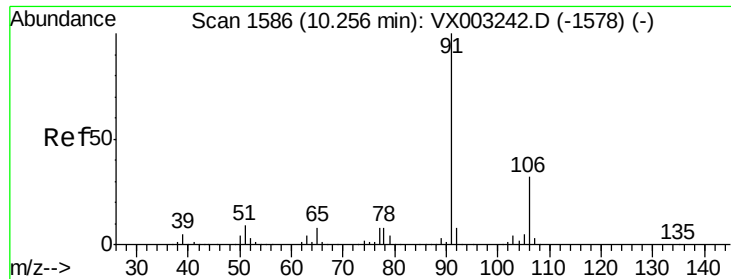


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.98 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

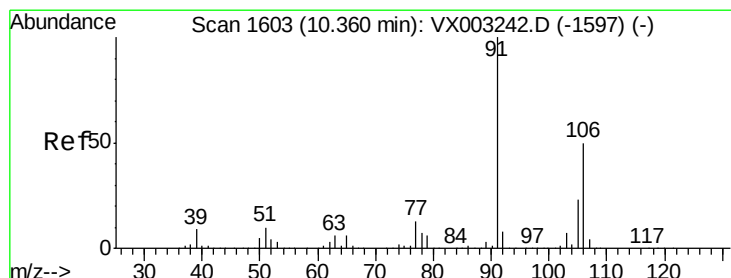
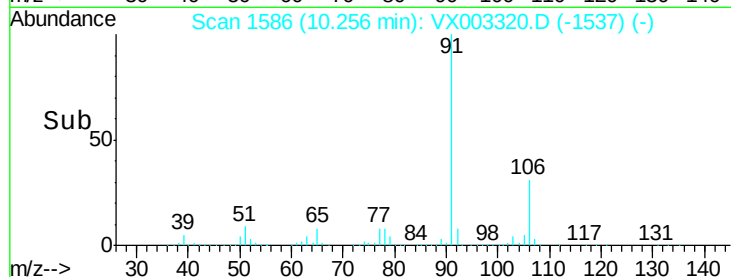
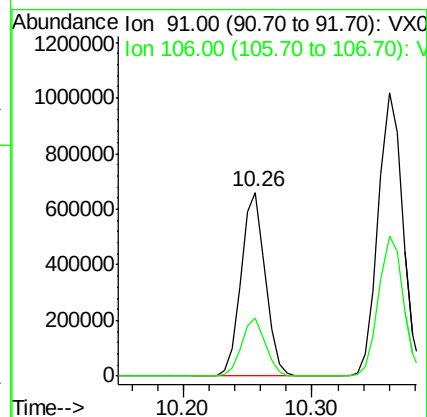
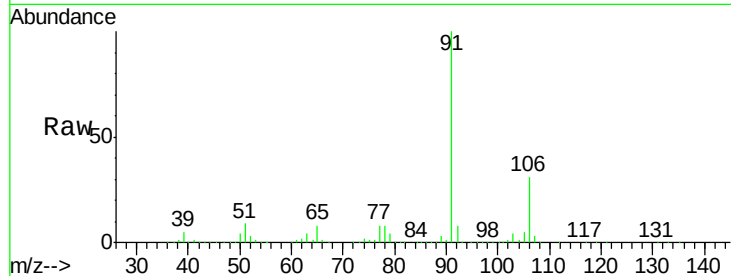
VSTDCCC050

Tot Ion: 91 Resp: 861436

Ion Ratio Lower Upper

91 100

106 31.3 25.5 38.3



#68

m/p-Xylenes

Concen: 99.68 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003320.D

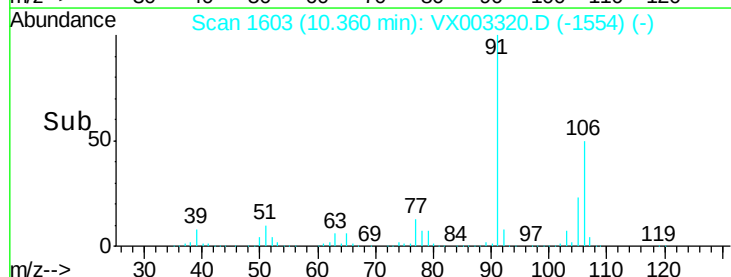
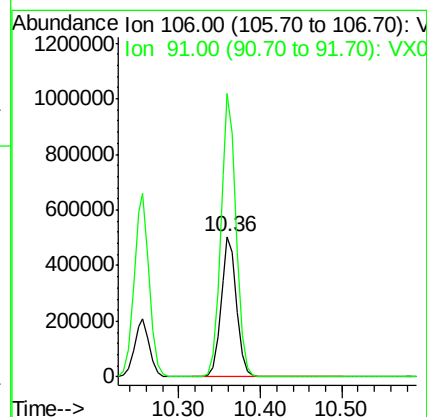
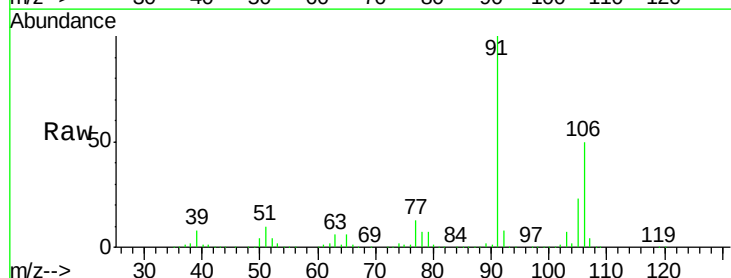
Acq: 11 Jul 2018 15:02

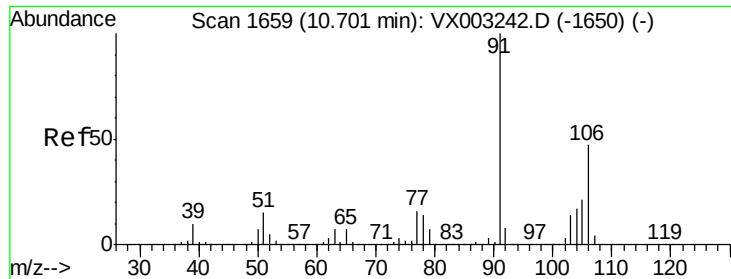
Tgt Ion: 106 Resp: 668294

Ion Ratio Lower Upper

106 100

91 200.9 163.4 245.2

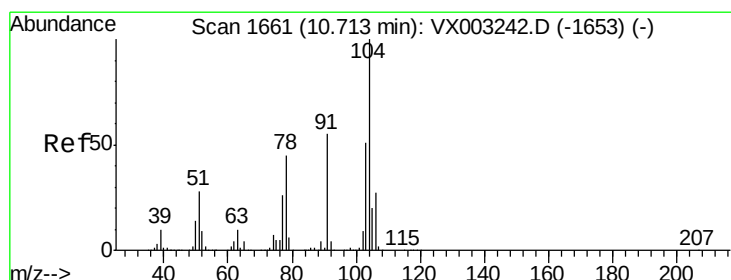
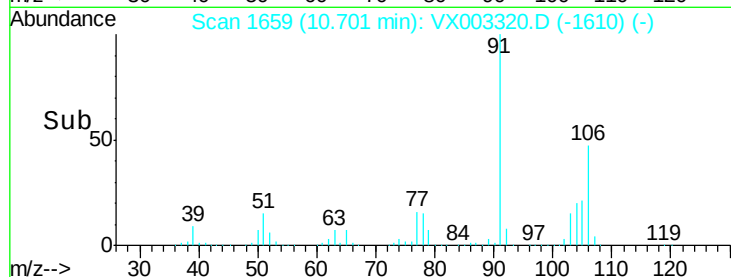
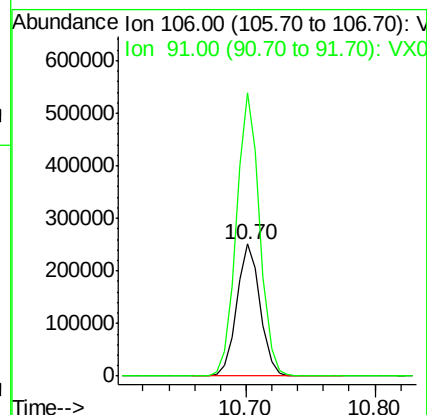
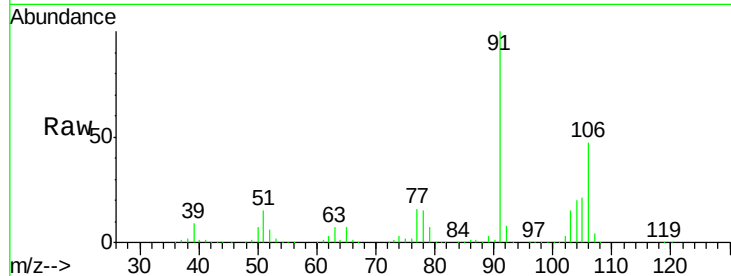




#69
o-Xylene
Concen: 49.12 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

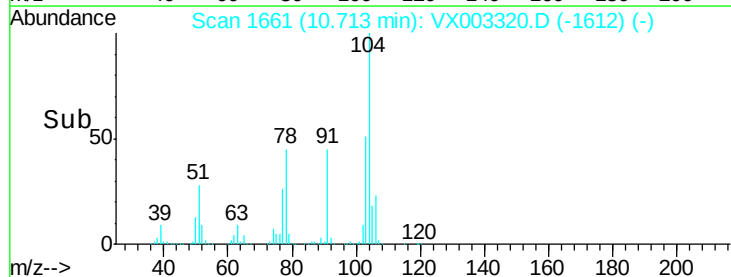
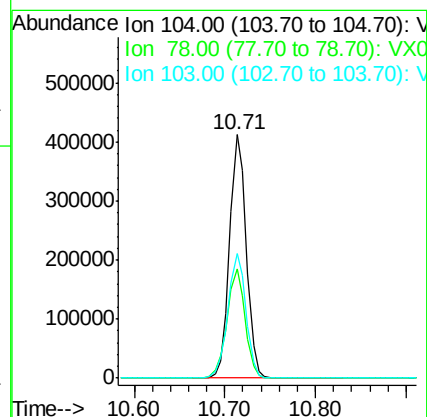
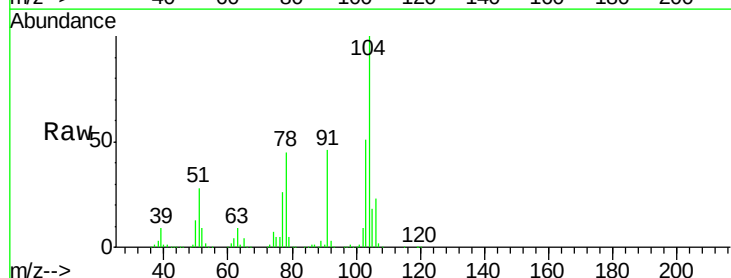
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

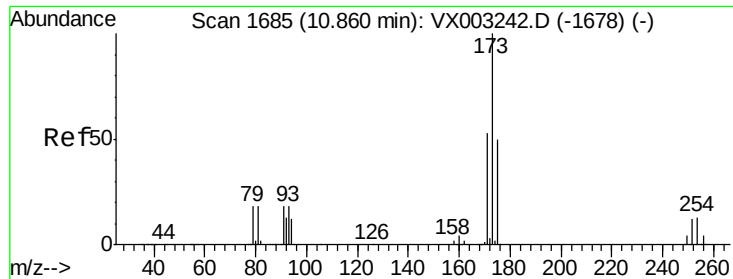
Tot Ion:106 Resp: 319081
Ion Ratio Lower Upper
106 100
91 212.7 108.2 324.6



#70
Styrene
Concen: 50.23 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion:104 Resp: 529101
Ion Ratio Lower Upper
104 100
78 48.8 41.0 61.6
103 55.5 44.2 66.4





#71

Bromoform

Concen: 44.56 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

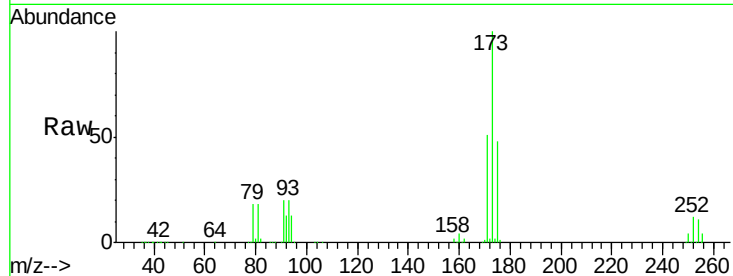
Tot Ion:173 Resp: 140976

Ion Ratio Lower Upper

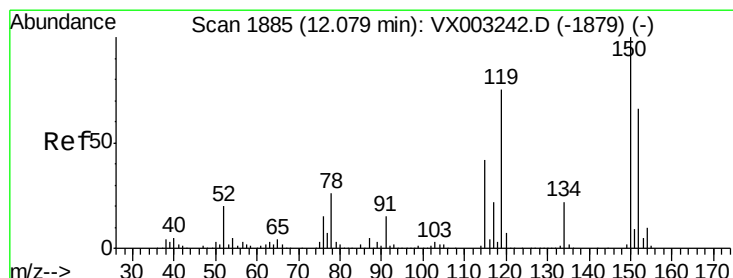
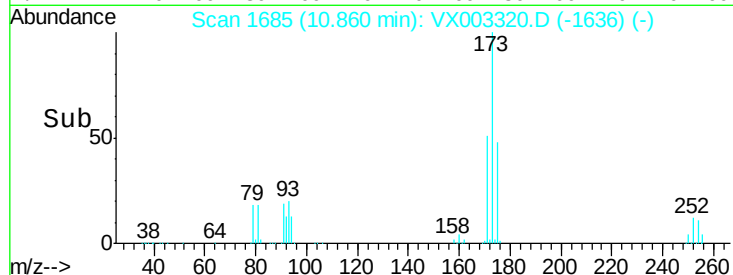
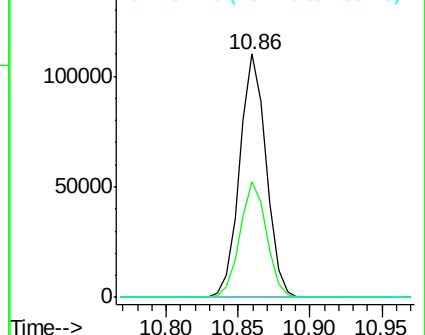
173 100

175 47.6 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. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

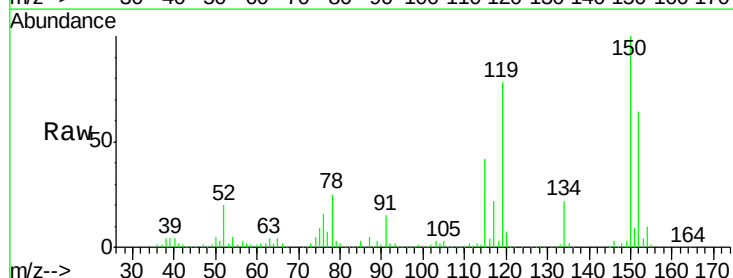
Tgt Ion:152 Resp: 221326

Ion Ratio Lower Upper

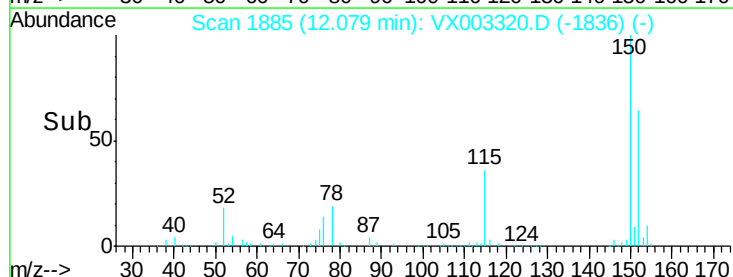
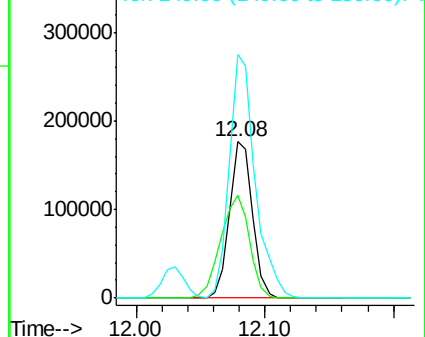
152 100

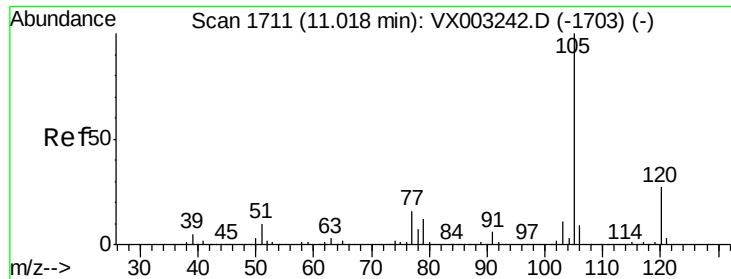
115 82.5 40.1 120.2

150 175.2 0.0 347.2



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





#73

Isopropylbenzene

Concen: 49.55 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

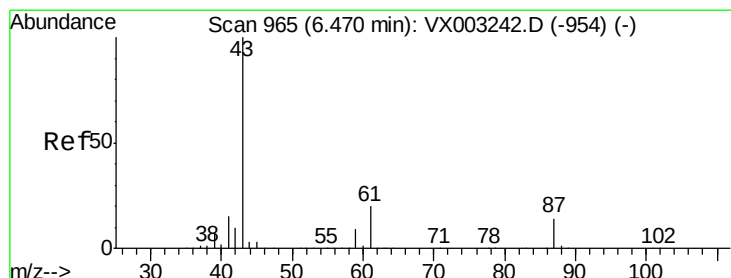
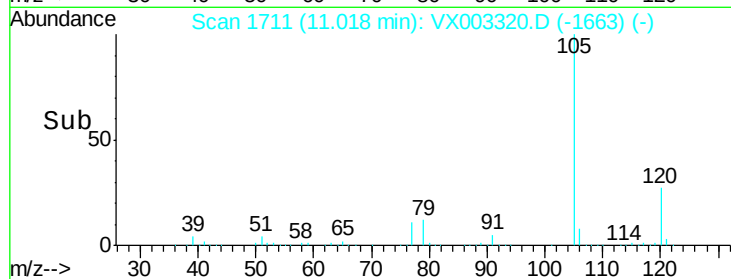
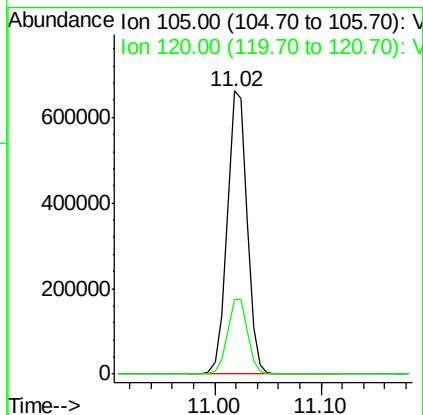
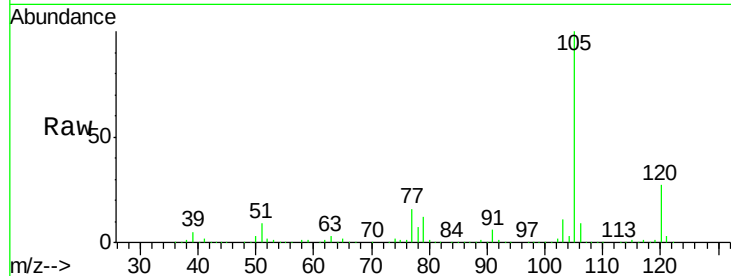
VSTDCCC050

Tot Ion:105 Resp: 865830

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



#74

N-ethyl acetate

Concen: 45.78 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Tgt Ion: 43 Resp: 381621

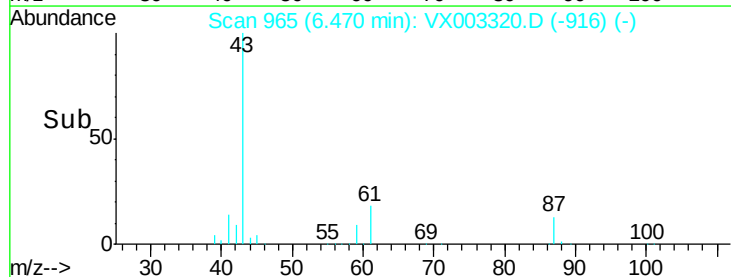
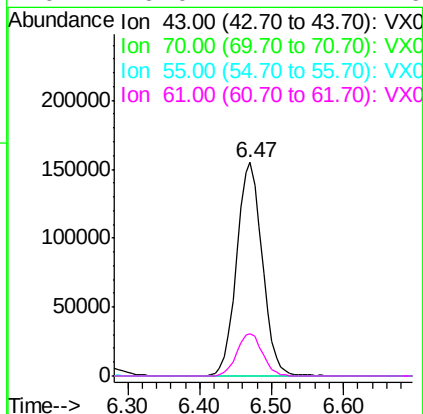
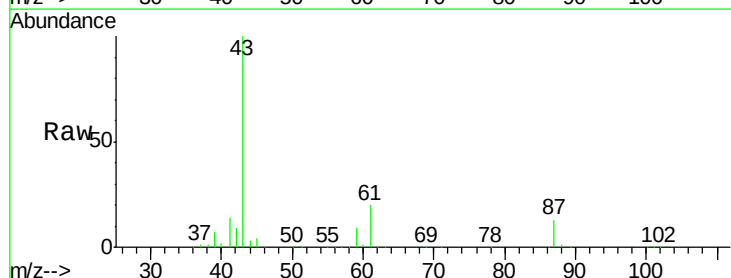
Ion Ratio Lower Upper

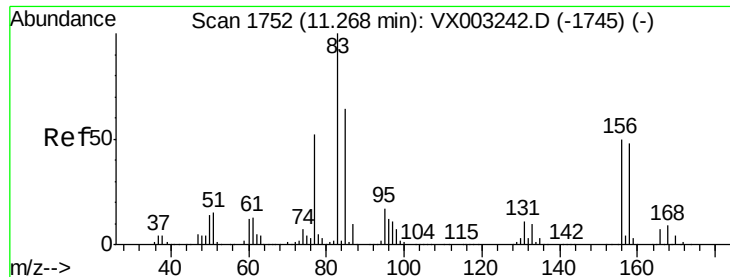
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.0 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.95 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

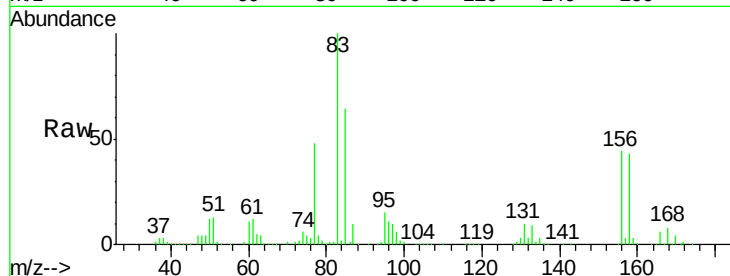
Tot Ion: 83 Resp: 259871

Ion Ratio Lower Upper

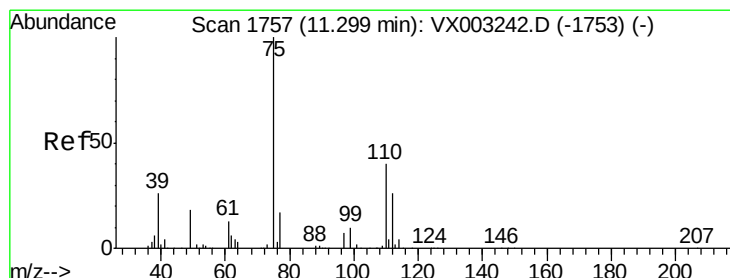
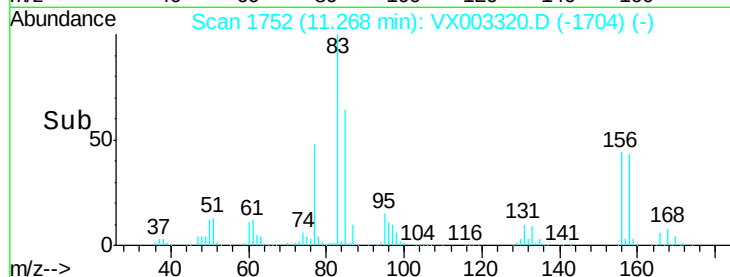
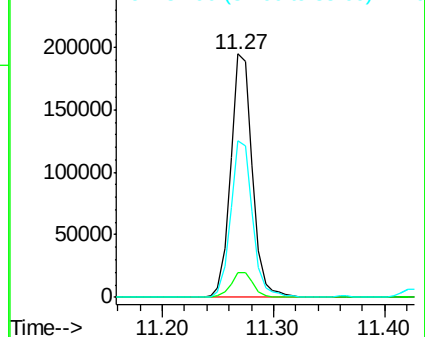
83 100

131 10.4 5.6 16.8

85 64.5 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 64.64 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003320.D

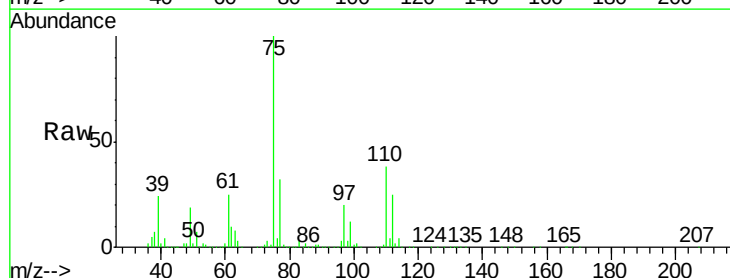
Acq: 11 Jul 2018 15:02

Tgt Ion: 75 Resp: 309190

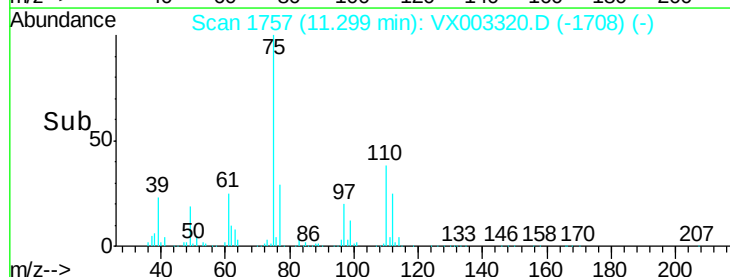
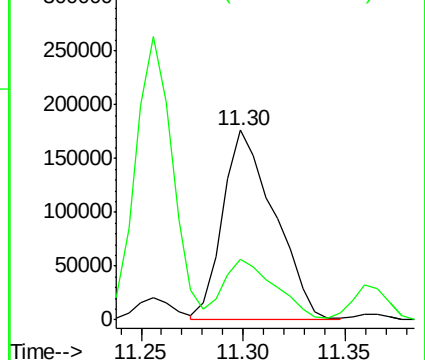
Ion Ratio Lower Upper

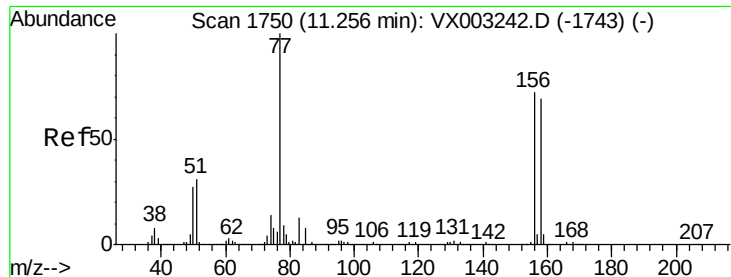
75 100

77 31.9 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: 45.42 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

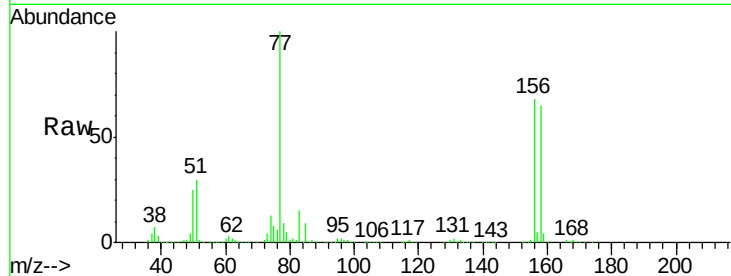
Tot Ion:156 Resp: 229152

Ion Ratio Lower Upper

156 100

77 144.7 71.4 214.2

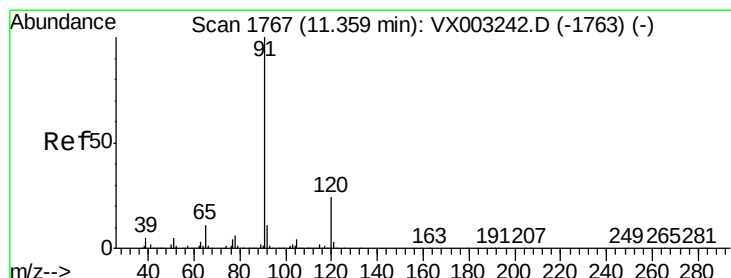
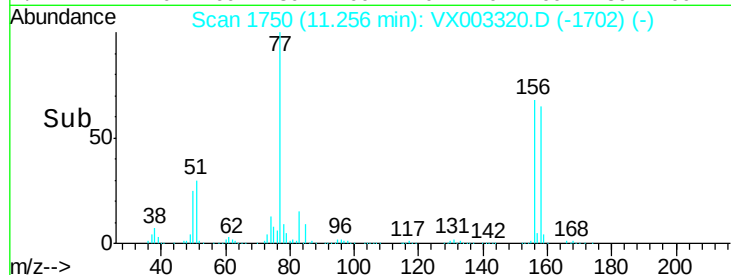
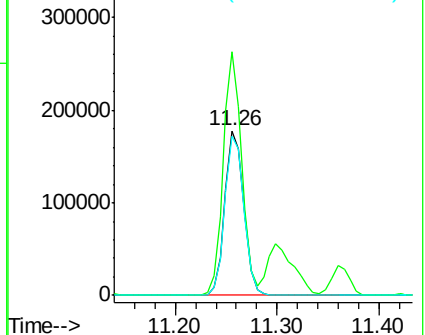
158 97.9 48.9 146.6



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: 52.10 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003320.D

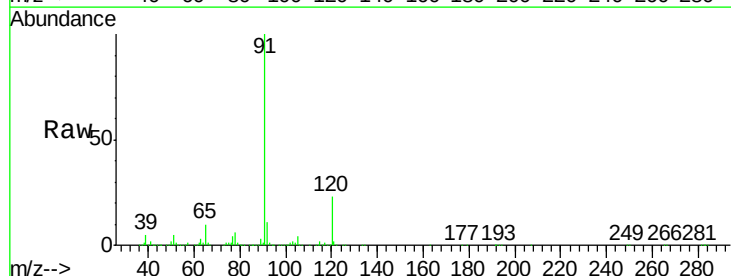
Acq: 11 Jul 2018 15:02

Tgt Ion: 91 Resp: 1012199

Ion Ratio Lower Upper

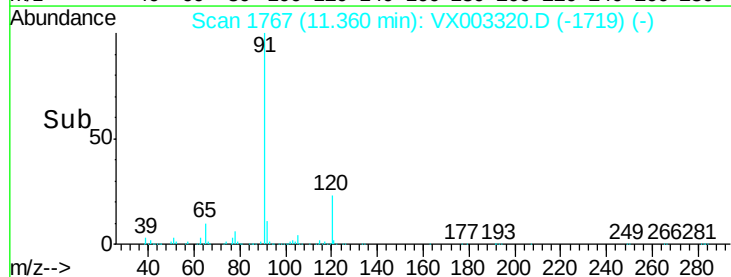
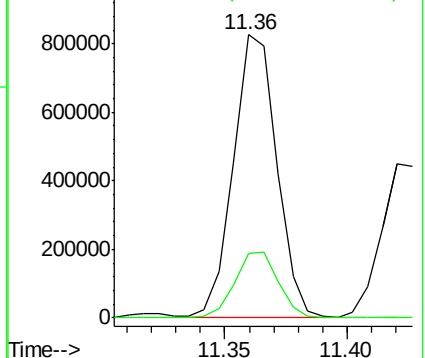
91 100

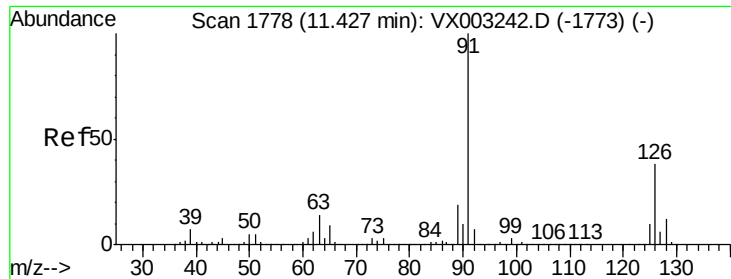
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.44 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

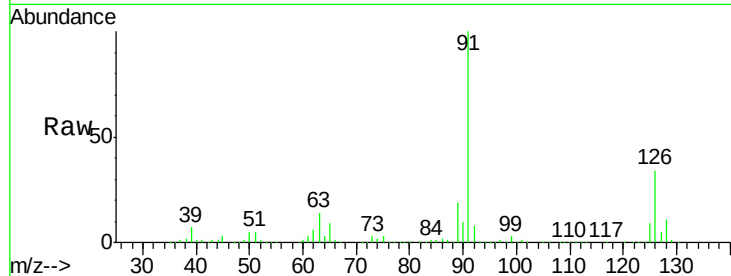
VSTDCCC050

Tot Ion: 91 Resp: 585137

Ion Ratio Lower Upper

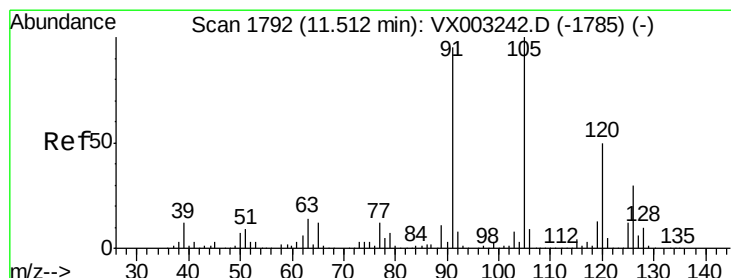
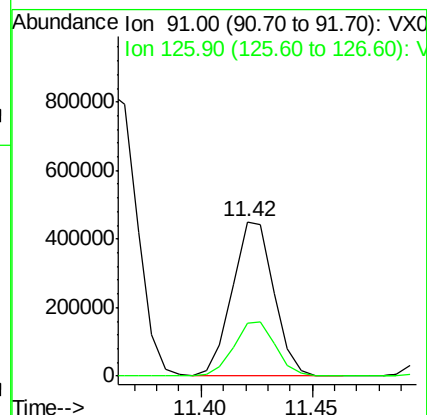
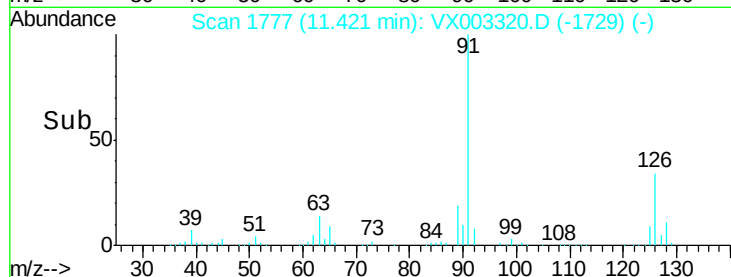
91 100

126 35.3 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.81 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003320.D

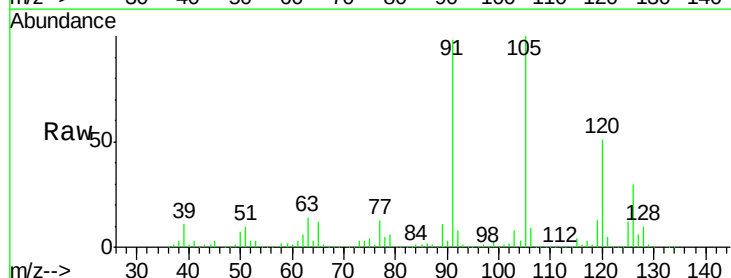
Acq: 11 Jul 2018 15:02

Tgt Ion: 105 Resp: 724822

Ion Ratio Lower Upper

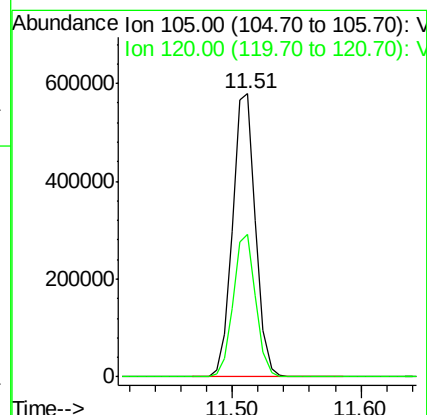
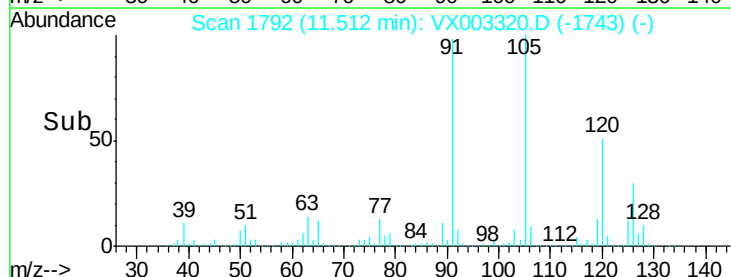
105 100

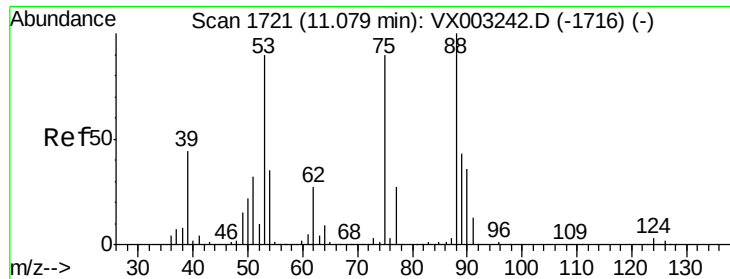
120 49.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

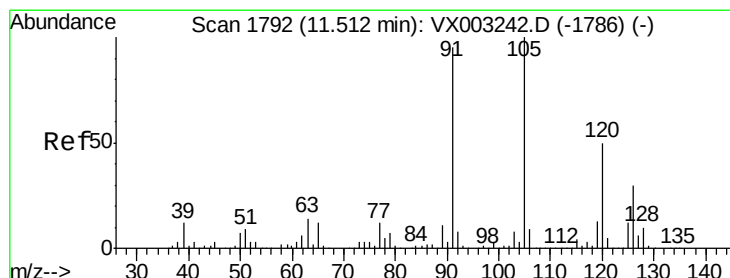
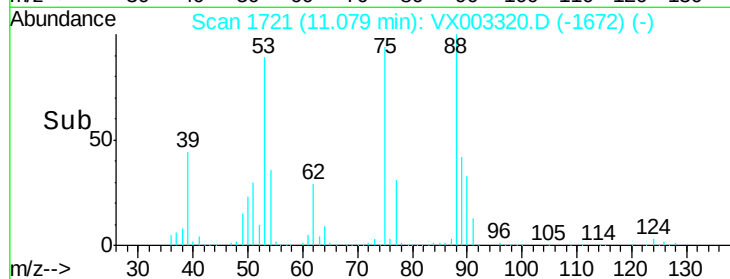
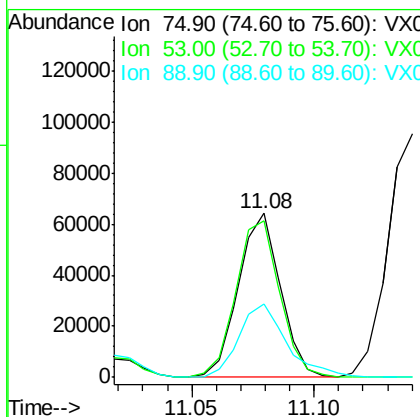
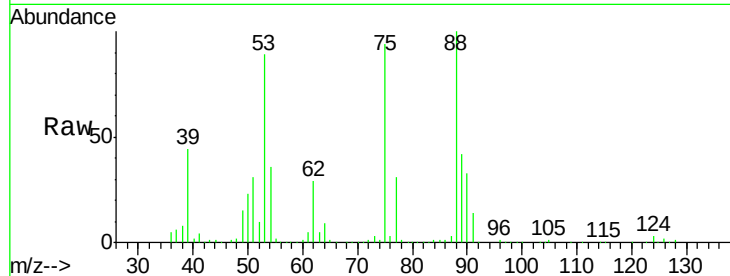




#81
trans-1,4-Dichloro-2-butene
Concen: 52.29 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

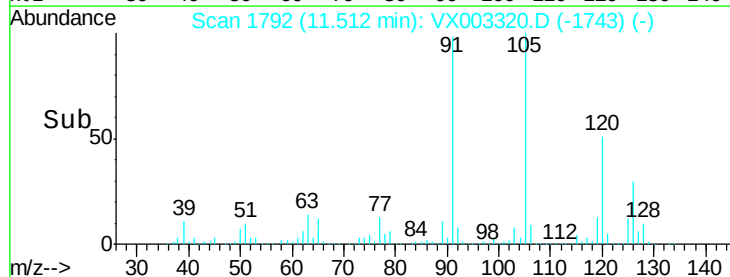
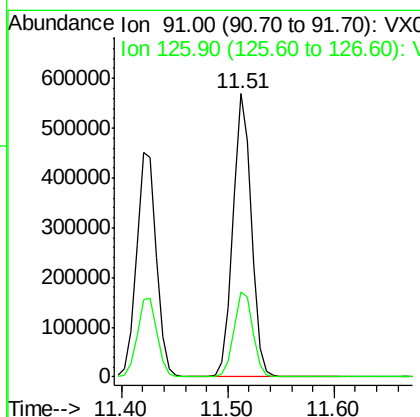
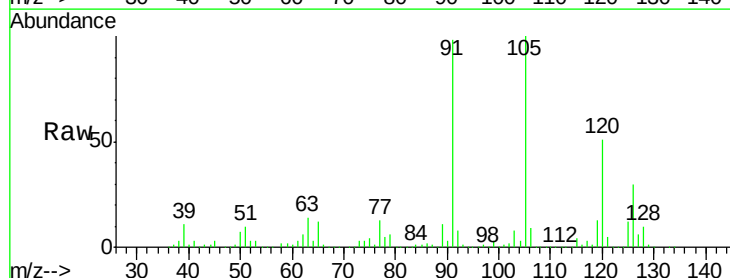
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

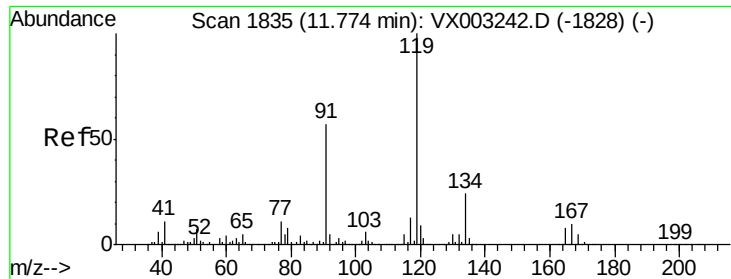
Tot Ion: 75 Resp: 76532
Ion Ratio Lower Upper
75 100
53 99.9 86.8 130.2
89 51.8 38.2 57.2



#82
4-Chlorotoluene
Concen: 50.17 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion: 91 Resp: 693349
Ion Ratio Lower Upper
91 100
126 31.0 15.4 46.4

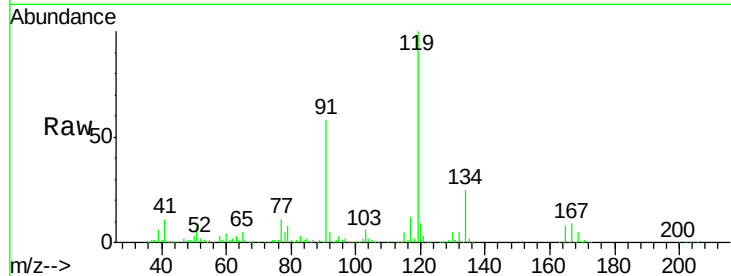




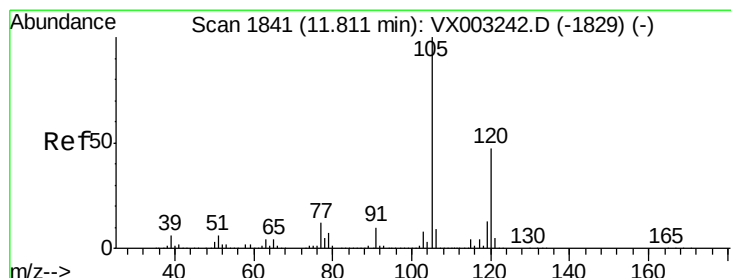
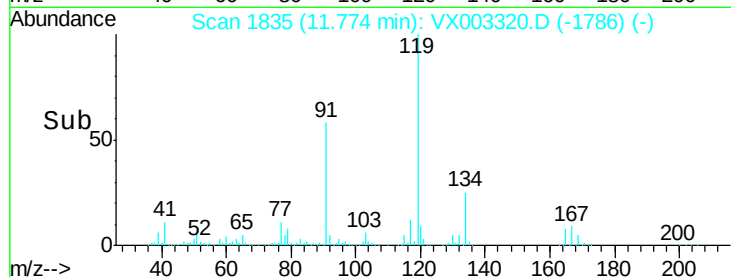
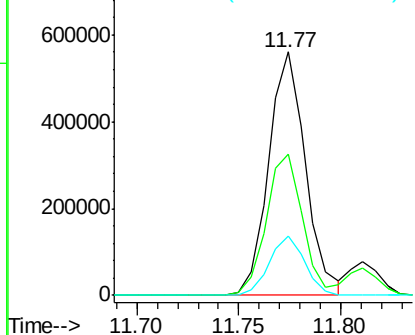
#83
 tert-Butylbenzene
 Concen: 48.61 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 706468
 Ion Ratio Lower Upper
 119 100
 91 56.5 30.3 90.9
 134 23.5 11.7 35.1

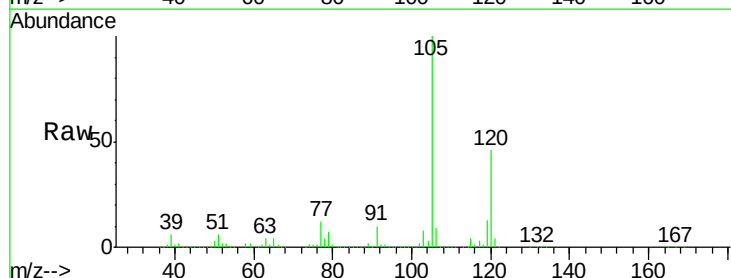


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

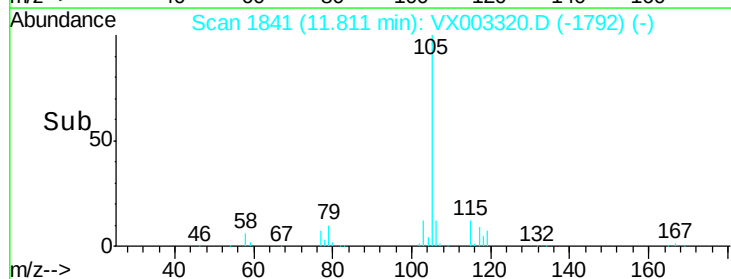
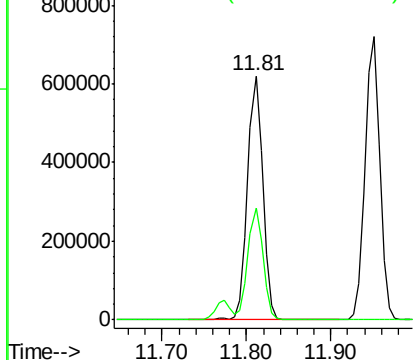


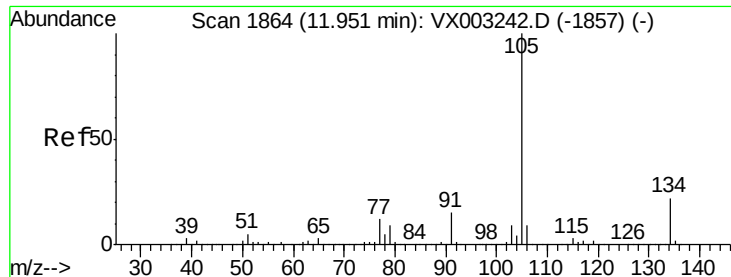
#84
 1,2,4-Trimethylbenzene
 Concen: 49.94 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion:105 Resp: 744118
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.29 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

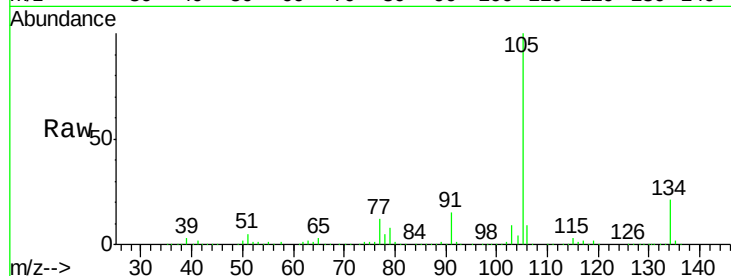
VSTDCCC050

Tot Ion:105 Resp: 881053

Ion Ratio Lower Upper

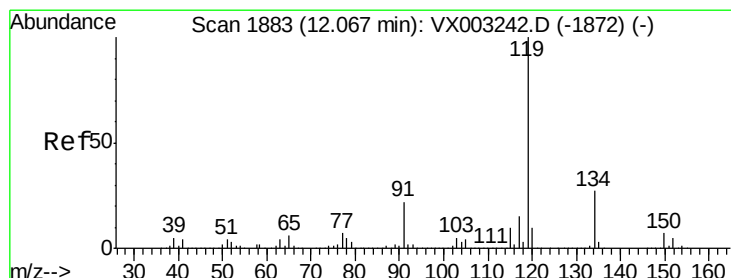
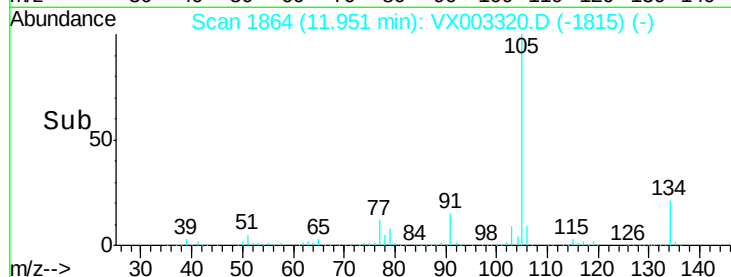
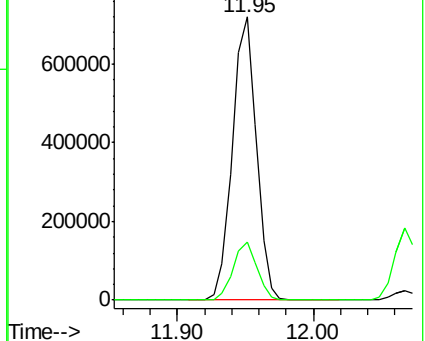
105 100

134 20.5 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: 50.81 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

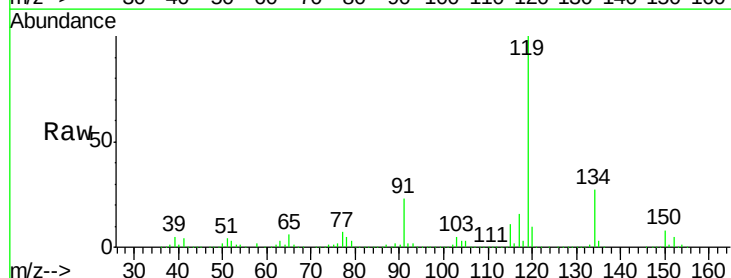
Tgt Ion:119 Resp: 795216

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

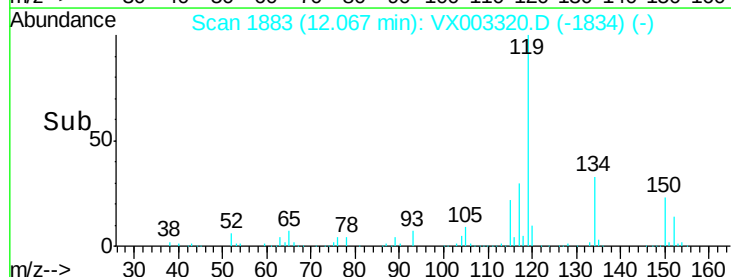
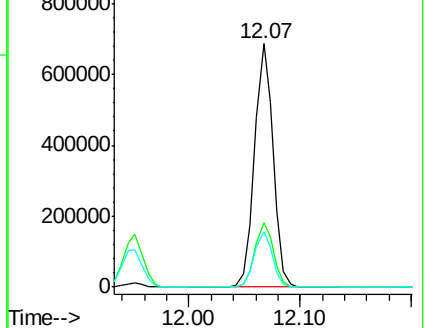
91 22.6 11.9 35.7

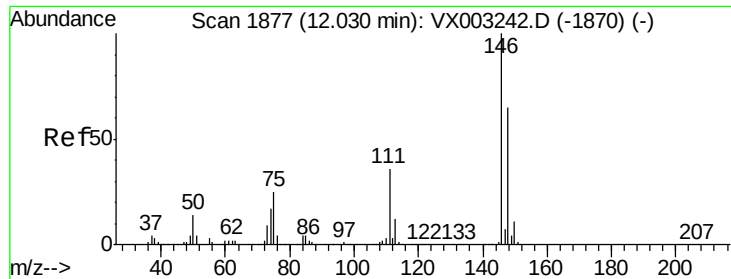


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

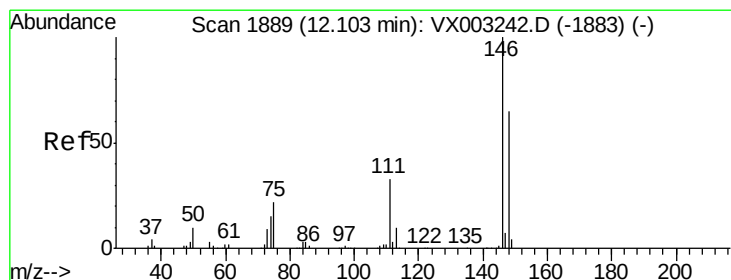
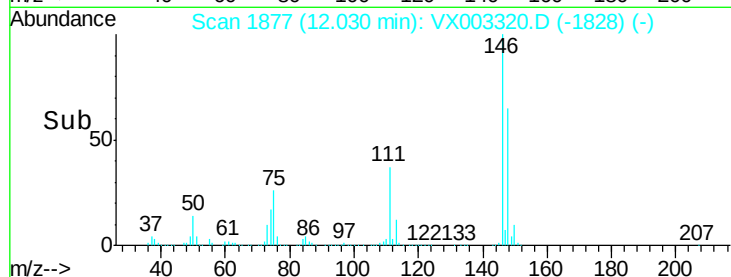
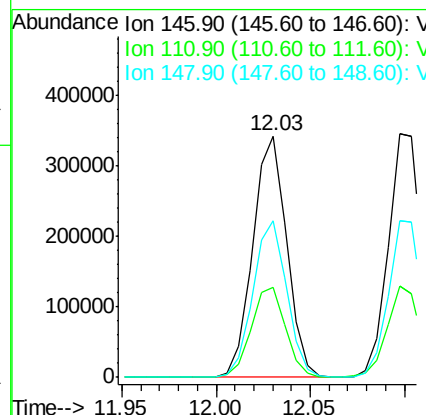
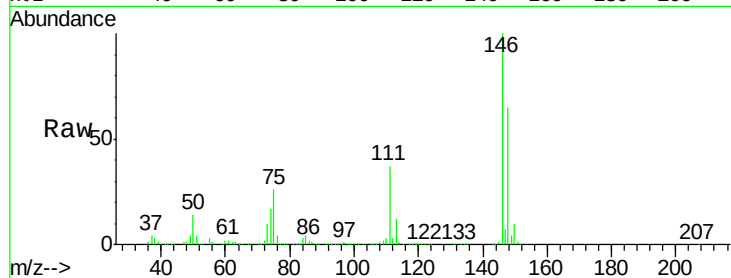




#87
 1,3-Dichlorobenzene
 Concen: 46.22 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

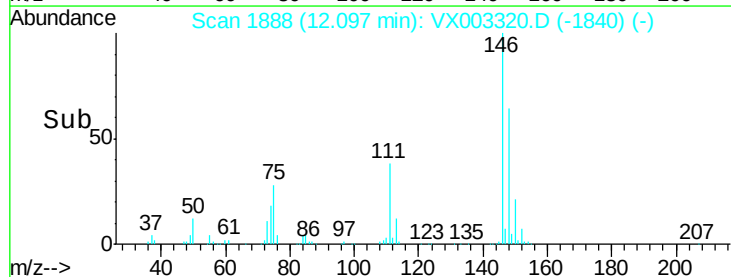
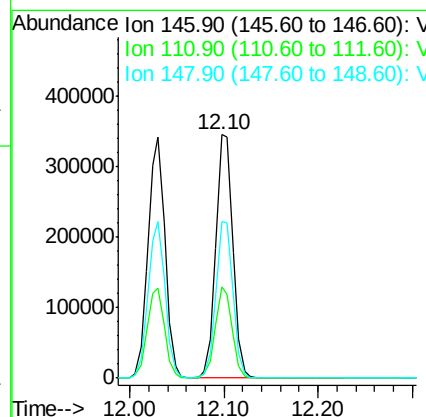
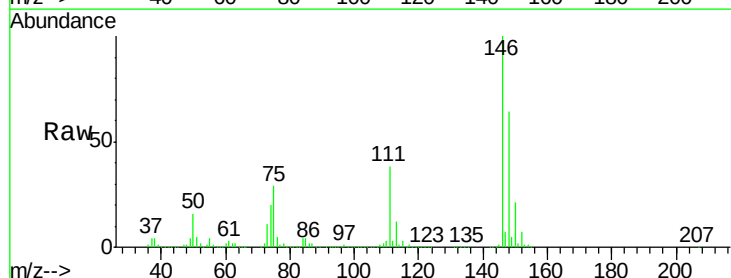
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

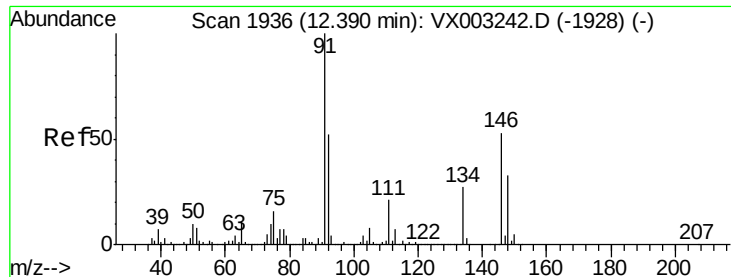
Tot Ion:146 Resp: 427753
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.7
 148 64.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 46.24 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion:146 Resp: 433218
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.7 56.1
 148 64.2 32.4 97.0

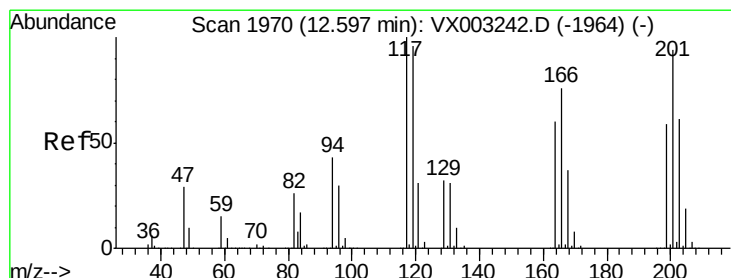
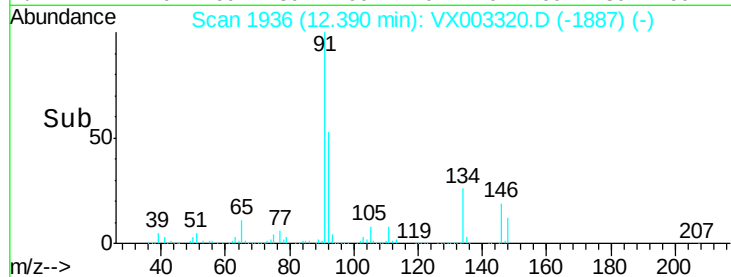
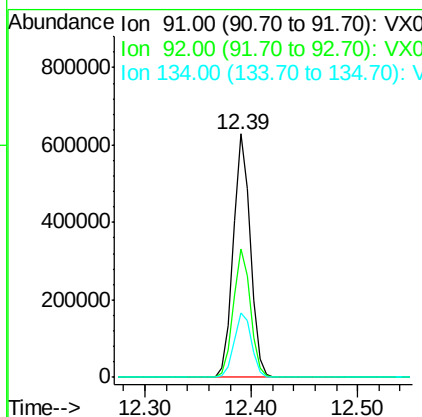
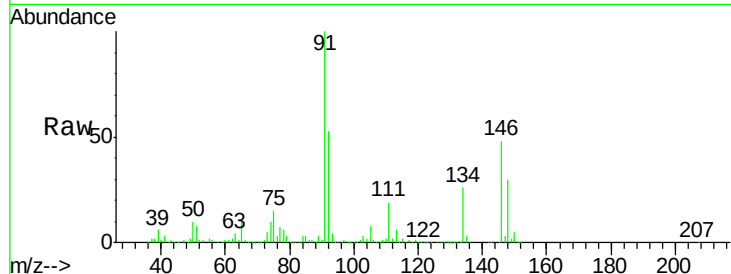




#89
n-Butylbenzene
Concen: 54.27 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

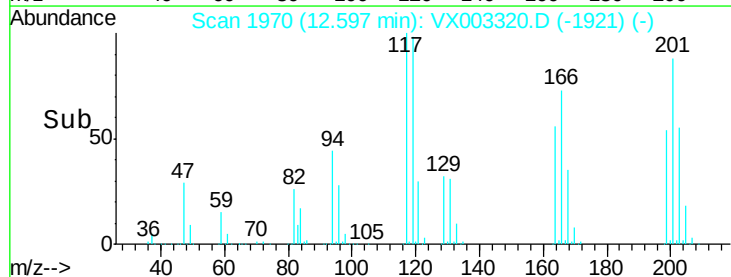
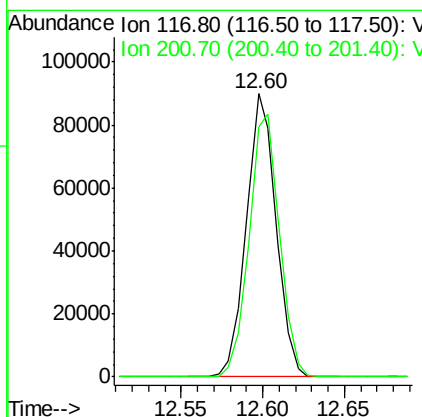
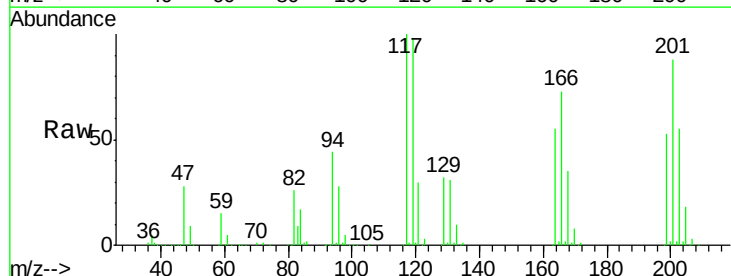
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

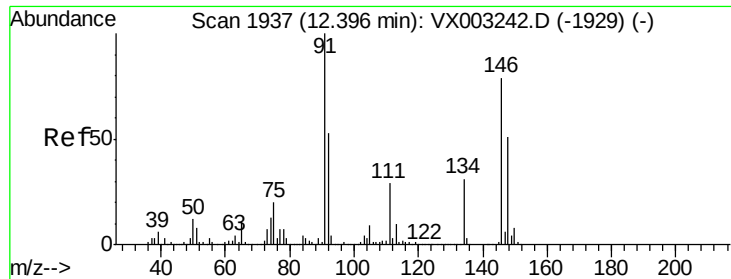
Tot Ion: 91 Resp: 709652
Ion Ratio Lower Upper
91 100
92 52.9 26.0 78.0
134 27.0 13.5 40.5



#90
Hexachloroethane
Concen: 47.88 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion: 117 Resp: 114422
Ion Ratio Lower Upper
117 100
201 94.8 49.0 147.0

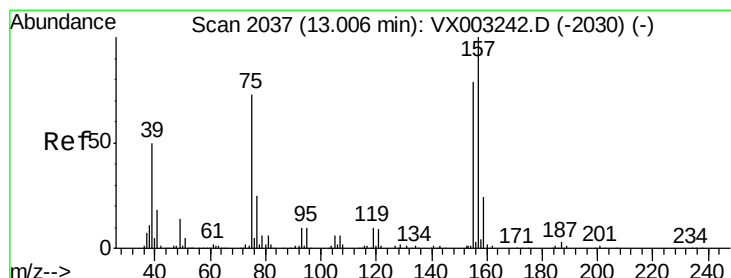
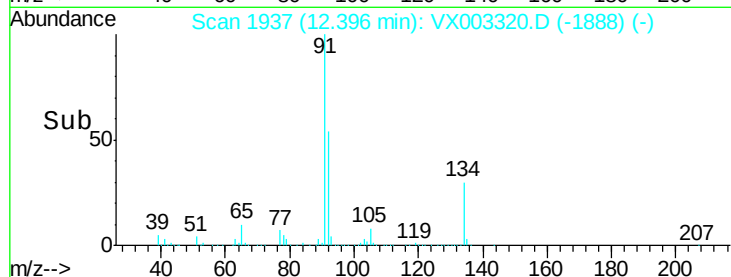
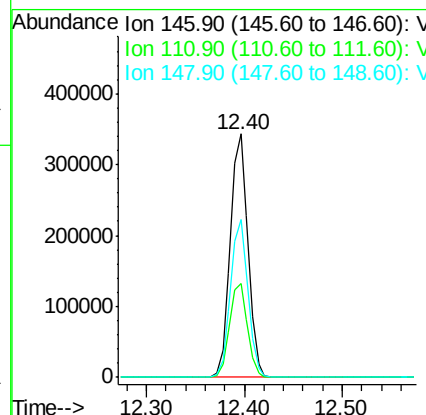
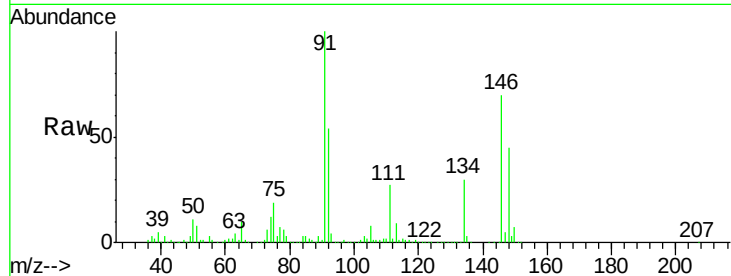




#91
 1,2-Dichlorobenzene
 Concen: 46.28 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

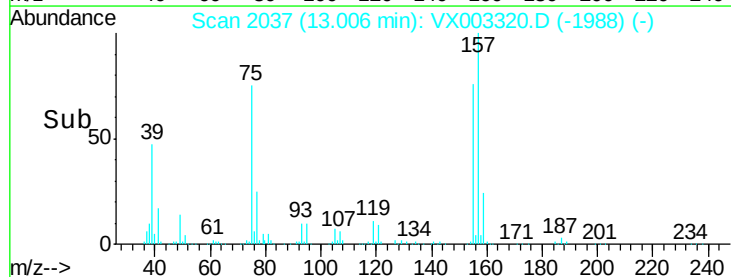
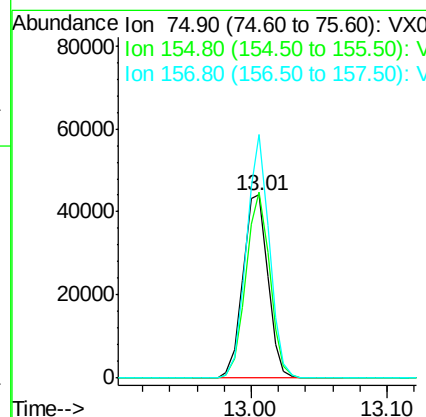
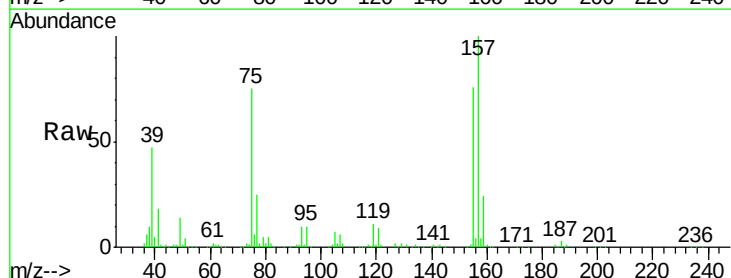
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

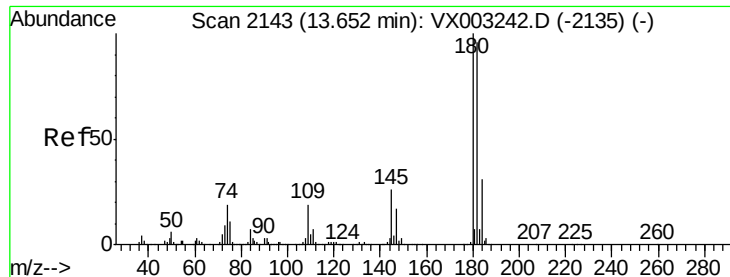
Tot Ion:146 Resp: 430073
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.4 58.1
 148 64.1 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.57 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion: 75 Resp: 56476
 Ion Ratio Lower Upper
 75 100
 155 96.9 45.8 137.4
 157 121.7 60.1 180.3

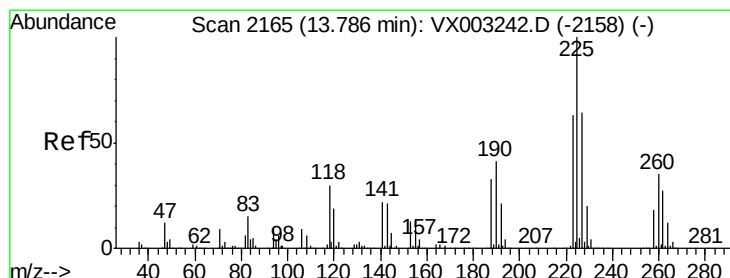
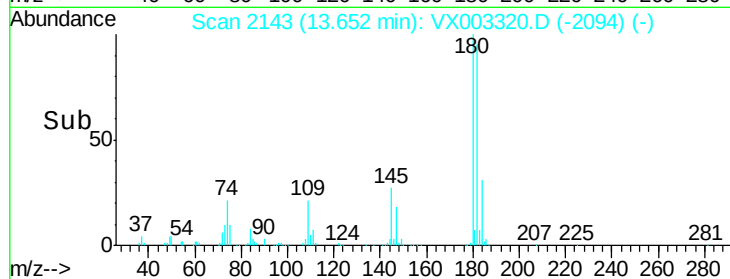
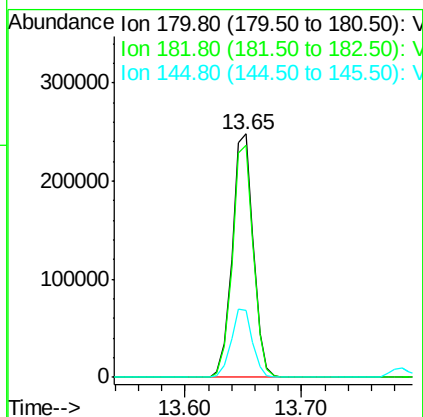
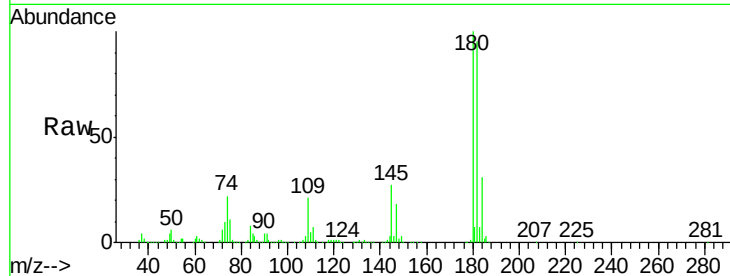




#93
 1,2,4-Trichlorobenzene
 Concen: 45.87 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

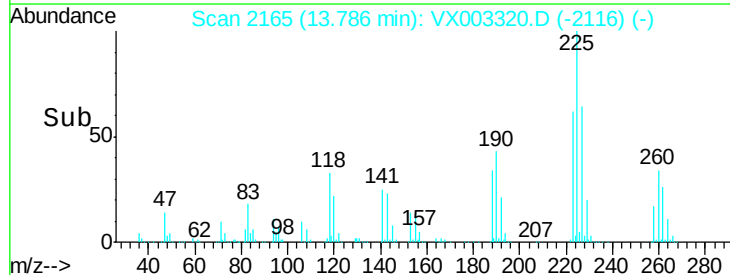
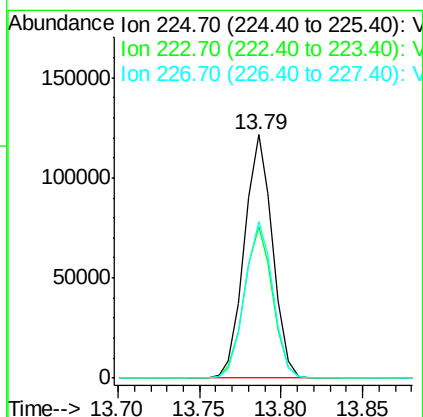
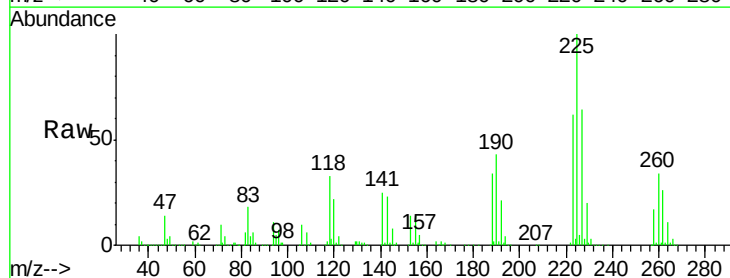
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

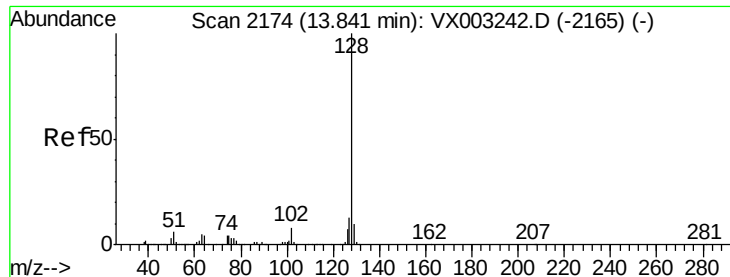
Tot Ion:180 Resp: 310247
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.7 143.1
 145 28.1 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 43.42 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion:225 Resp: 146194
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.6 95.0
 227 64.3 32.4 97.2





#95

Naphthalene

Concen: 50.17 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

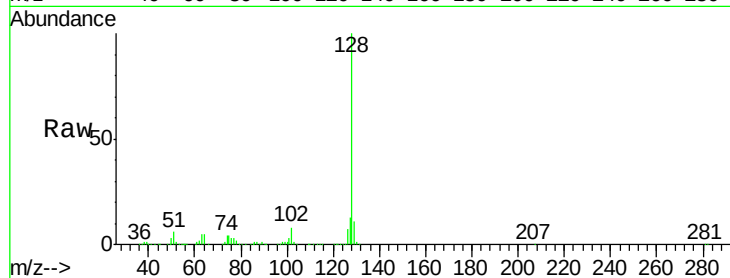
Tot Ion:128 Resp: 887725

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

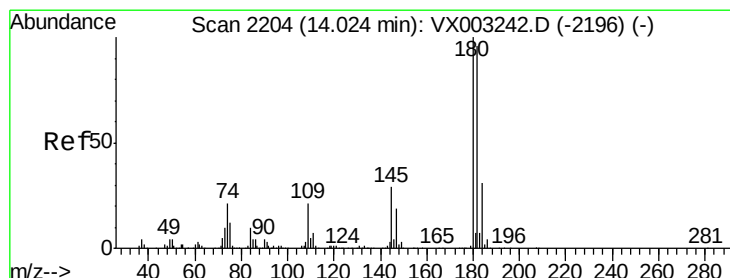
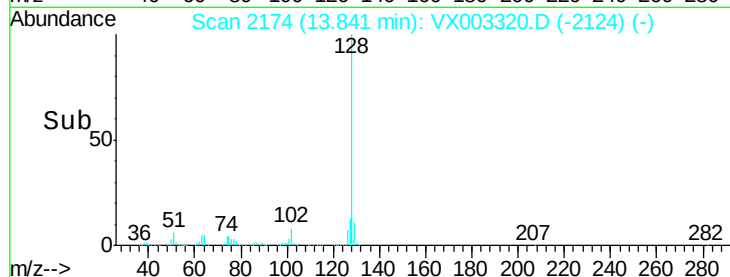
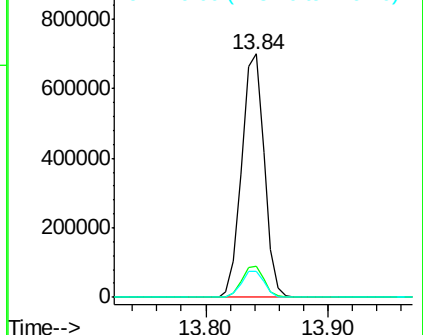
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.40 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

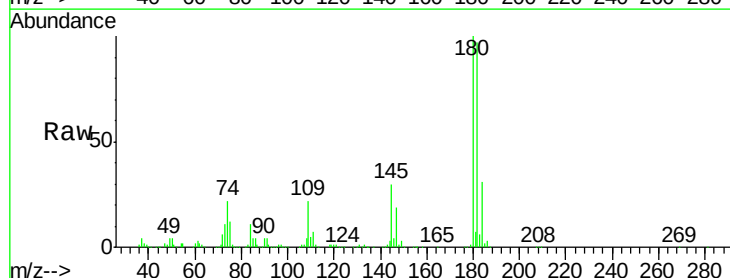
Tgt Ion:180 Resp: 312961

Ion Ratio Lower Upper

180 100

182 95.3 48.0 144.0

145 30.0 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

