

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050818\
 Data File : VT019043.D
 Acq On : 8 May 2018 18:48
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA T/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDICCC050

Quant Time: May 09 04:13:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_T\METHODS\2015\82T050818S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 09 03:54:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.44	168	1130857	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	1892438	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	1640253	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	792875	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	523521	56.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.18%	
34) Dibromofluoromethane	7.35	113	531725	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
49) Toluene-d8	9.90	98	2390635	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
61) 4-Bromofluorobenzene	12.22	95	910615	58.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.78	85	751056	71.43	ug/l	100
3) Chloromethane	1.96	50	235813	24.28	ug/l	100
4) Vinyl Chloride	2.11	62	396104	37.97	ug/l	100
5) Bromomethane	2.46	94	326358	55.95	ug/l	100
6) Chloroethane	2.57	64	225073	41.48	ug/l	100
7) Trichlorofluoromethane	2.93	101	1107251m	92.36	ug/l	
8) Diethyl Ether	3.21	74	151799	35.03	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.60	101	506014	48.97	ug/l	100
10) Methyl Iodide	3.76	142	755501	47.08	ug/l	100
11) Tert butyl alcohol	4.55	59	120324	243.20	ug/l	100
12) 1,1-Dichloroethene	3.57	96	460082	43.03	ug/l	100
13) Acrolein	3.40	56	56951	83.40	ug/l	100
14) Allyl chloride	4.06	41	993172	53.11	ug/l	100
15) Acrylonitrile	4.70	53	520293	232.56	ug/l	100
16) Acetone	3.60	43	260109	116.44	ug/l	100
17) Carbon Disulfide	4.06	76	1842746m	62.72	ug/l	
18) Methyl Acetate	4.08	43	281475	29.55	ug/l	100
19) Methyl tert-butyl Ether	4.76	73	1165623	57.58	ug/l	100
20) Methylene Chloride	4.33	84	581222	46.70	ug/l	100
21) trans-1,2-Dichloroethene	4.75	96	680582	59.22	ug/l	100
22) Diisopropyl ether	5.67	45	1901297	57.56	ug/l	100
23) Vinyl Acetate	5.61	43	4209229	342.92	ug/l	100
24) 1,1-Dichloroethane	5.57	63	1266800	64.85	ug/l	100
25) 2-Butanone	6.57	43	643486	210.99	ug/l	100
26) 2,2-Dichloropropane	6.55	77	513427	55.84	ug/l	100
27) cis-1,2-Dichloroethene	6.56	96	668168	59.54	ug/l	100
28) Bromochloromethane	6.94	49	432337	54.14	ug/l	100
29) Chloroform	7.13	83	1214769	67.91	ug/l	100
30) Cyclohexane	7.43	56	1385813	62.33	ug/l	100
31) 1,1,1-Trichloroethane	7.33	97	959886	70.11	ug/l	100
35) 1,1-Dichloropropene	7.57	75	1107148	59.22	ug/l	100
36) Ethyl Acetate	6.68	43	270011	39.07	ug/l	100
37) Carbon Tetrachloride	7.54	117	898891	57.46	ug/l	100
38) Methylcyclohexane	8.88	83	1343304	56.23	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	7.82	78	2881409	55.76	ug/l	100
40) Methacrylonitrile	6.92	41	176289m	43.22	ug/l	
41) 1,2-Dichloroethane	7.91	62	625035	50.27	ug/l	100
42) Isopropyl Acetate	7.96	43	492768	43.48	ug/l	100
43) Trichloroethene	8.63	130	658450	50.25	ug/l	100
44) 1,2-Dichloropropane	8.93	63	673605	56.26	ug/l	100
45) Dibromomethane	9.01	93	262354	49.92	ug/l	100
46) Bromodichloromethane	9.21	83	776429	56.77	ug/l	100
47) Methyl methacrylate	9.01	41	260511	40.54	ug/l	100
48) 1,4-Dioxane	9.01	88	62155	877.56	ug/l	100
50) 4-Methyl-2-Pentanone	9.80	43	1373925	204.40	ug/l	100
51) Toluene	9.97	92	1709189	53.33	ug/l	100
52) t-1,3-Dichloropropene	10.21	75	728197	55.25	ug/l	100
53) cis-1,3-Dichloropropene	9.65	75	919095	55.25	ug/l	100
54) 1,1,2-Trichloroethane	10.38	97	405228	51.63	ug/l	100
55) Ethyl methacrylate	10.25	69	508085	53.07	ug/l	100
56) 1,3-Dichloropropane	10.53	76	738719	54.22	ug/l	100
57) 2-Chloroethyl Vinyl ether	9.51	63	1115584	279.73	ug/l	100
58) 2-Hexanone	10.57	43	1017643	200.47	ug/l	100
59) Dibromochloromethane	10.73	129	424160	46.84	ug/l	100
60) 1,2-Dibromoethane	10.82	107	350709	48.46	ug/l	100
63) Tetrachloroethene	10.45	164	575532	48.11	ug/l	100
64) Chlorobenzene	11.25	112	1744394	49.37	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.33	131	559542	50.37	ug/l	100
66) Ethyl Benzene	11.33	91	3570785	57.93	ug/l	100
67) m/p-Xylenes	11.45	106	2585971	105.02	ug/l	100
68) o-Xylene	11.77	106	1196822	53.34	ug/l	100
69) Stvrene	11.79	104	1876930	50.25	ug/l	100
70) Bromoform	11.95	173	222690	39.42	ug/l	100
72) Isopropylbenzene	12.08	105	3537214	60.42	ug/l	100
73) N-amyl acetate	11.90	43	564182	50.40	ug/l	100
74) 1,1,2,2-Tetrachloroethane	12.32	83	484413	54.27	ug/l	100
75) 1,2,3-Trichloropropane	12.37	75	343309m	54.81	ug/l	
76) Bromobenzene	12.35	156	661420	50.87	ug/l	100
77) n-propylbenzene	12.42	91	4439020	62.84	ug/l	100
78) 2-Chlorotoluene	12.49	91	2511354	63.31	ug/l	100
79) 1,3,5-Trimethylbenzene	12.56	105	3056025	60.67	ug/l	100
80) trans-1,4-Dichloro-2-buten	12.12	75	133998	49.03	ug/l	100
81) 4-Chlorotoluene	12.60	91	2975325	62.48	ug/l	100
82) tert-Butylbenzene	12.82	119	2649567m	59.27	ug/l	
83) 1,2,4-Trimethylbenzene	12.86	105	3060545	60.20	ug/l	100
84) sec-Butylbenzene	13.00	105	3787636	59.81	ug/l	100
85) p-Isopropyltoluene	13.12	119	3170626	56.93	ug/l	100
86) 1,3-Dichlorobenzene	13.11	146	1370875	50.73	ug/l	100
87) 1,4-Dichlorobenzene	13.19	146	1335406	49.67	ug/l	100
88) n-Butylbenzene	13.44	91	3406993	65.96	ug/l	100
89) Hexachloroethane	13.70	117	534156	58.76	ug/l	100
90) 1,2-Dichlorobenzene	13.47	146	1136148	48.82	ug/l	100
91) 1,2-Dibromo-3-Chloropropan	14.09	75	74906	55.36	ug/l	100
92) 1,2,4-Trichlorobenzene	14.73	180	772687	49.64	ug/l	100

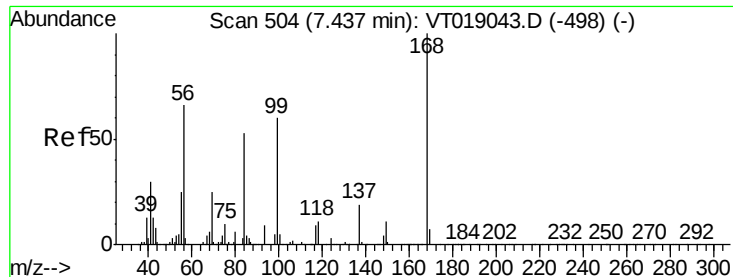
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	14.83	225	560776	54.77	ug/l	100
94) Naphthalene	14.94	128	1288372	50.31	ug/l	100
95) 1,2,3-Trichlorobenzene	15.12	180	630662	47.34	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 504

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

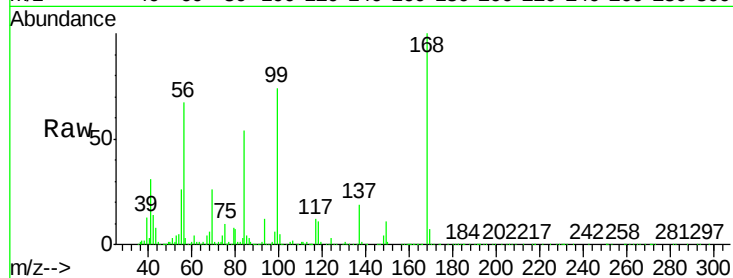
VSTDICCC050

Tot Ion:168 Resp: 1130857

Ion Ratio Lower Upper

168 100

99 73.7 59.0 88.4



Abundance Ion 168.00 (167.70 to 168.70): VT0

Ion 99.00 (98.70 to 99.70): VT0

7.44

400000

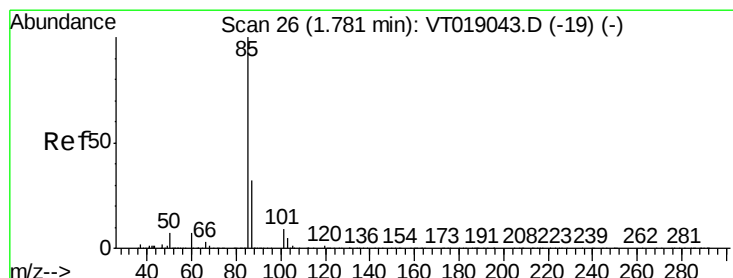
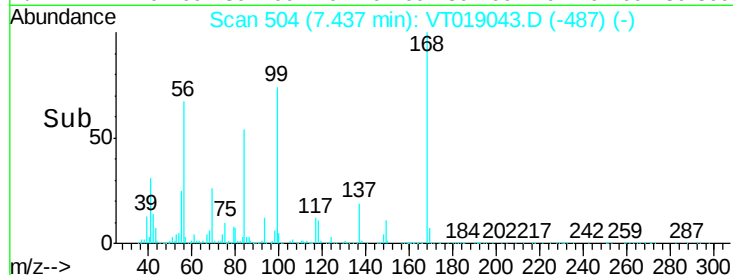
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 71.43 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VT019043.D

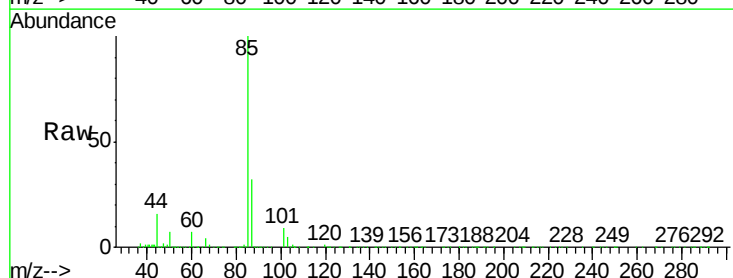
Acq: 8 May 2018 18:48

Tgt Ion: 85 Resp: 751056

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VT0

Ion 87.00 (86.70 to 87.70): VT0

1.78

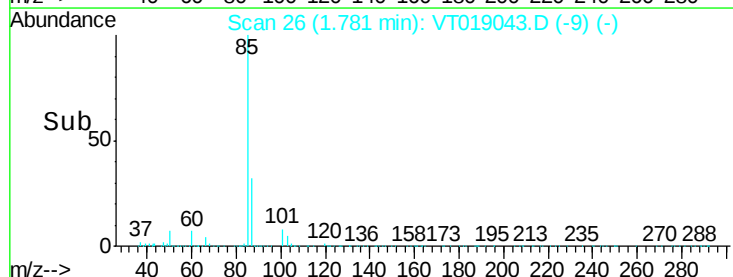
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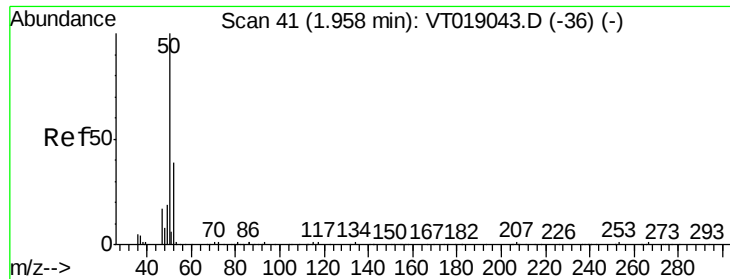
100000

50000

0

Time-->





#3

Chloromethane

Concen: 24.28 ug/l

RT: 1.96 min Scan# 41

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

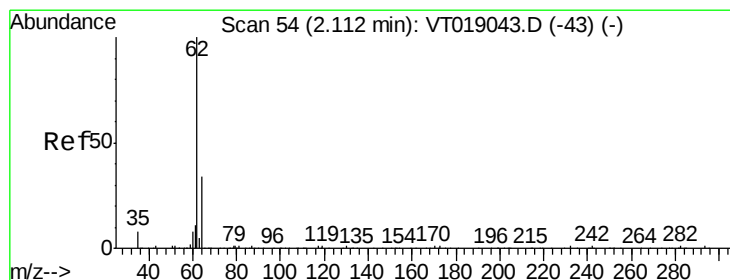
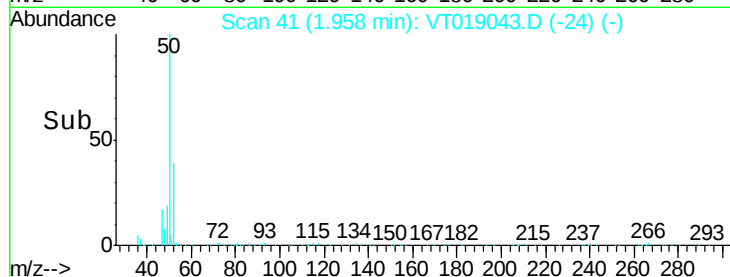
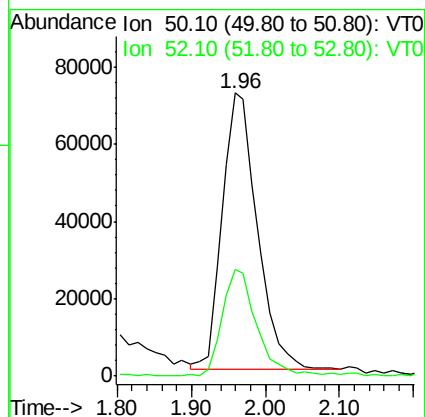
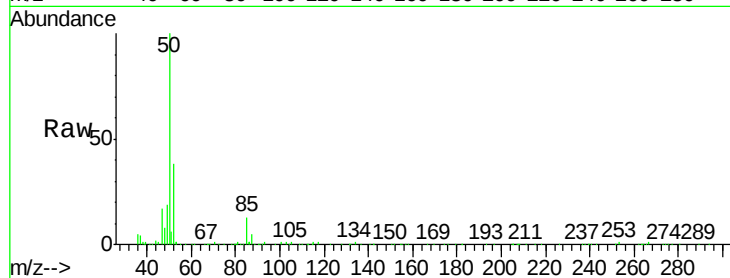
VSTDICCC050

Tot Ion: 50 Resp: 235813

Ion Ratio Lower Upper

50 100

52 37.6 30.1 45.1



#4

Vinyl Chloride

Concen: 37.97 ug/l

RT: 2.11 min Scan# 54

Delta R.T. 0.00 min

Lab File: VT019043.D

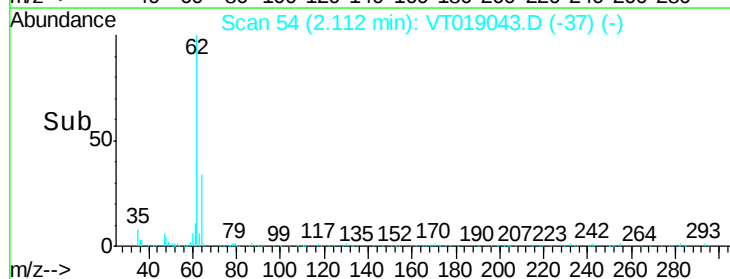
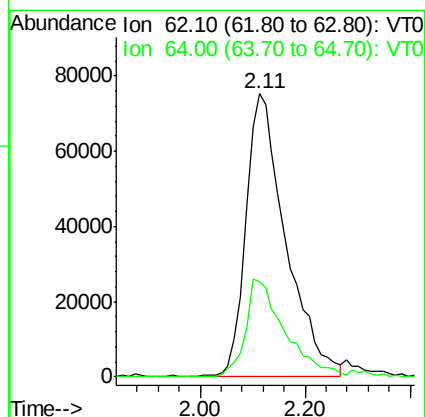
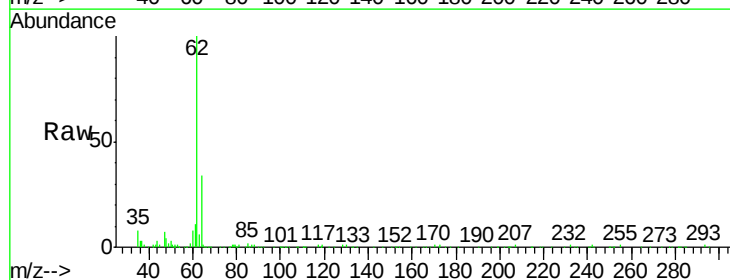
Acq: 8 May 2018 18:48

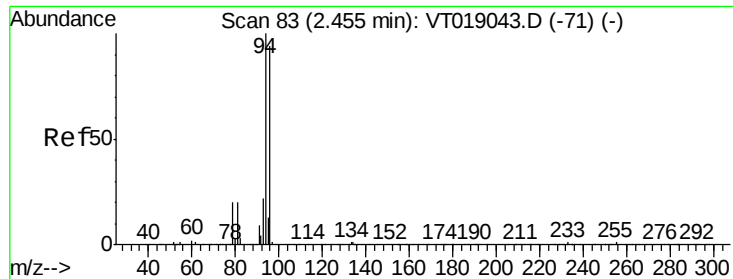
Tgt Ion: 62 Resp: 396104

Ion Ratio Lower Upper

62 100

64 33.7 27.0 40.4





#5

Bromomethane

Concen: 55.95 ug/l

RT: 2.46 min Scan# 83

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

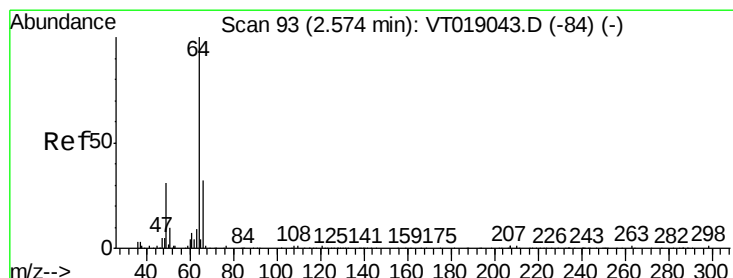
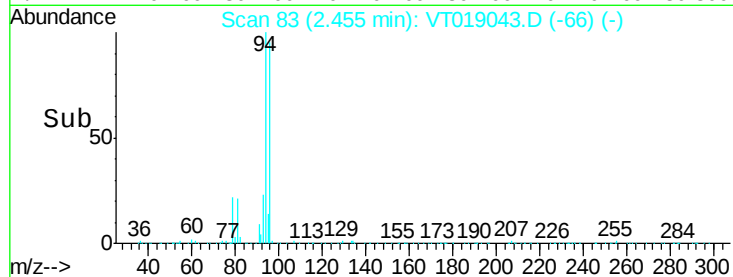
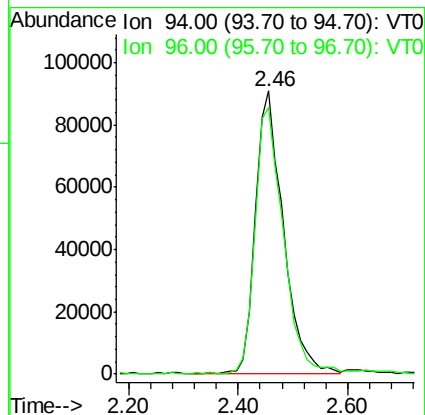
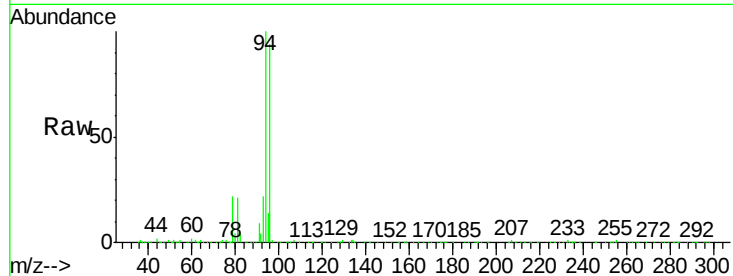
VSTDICCC050

Tot Ion: 94 Resp: 326358

Ion Ratio Lower Upper

94 100

96 94.1 75.3 112.9



#6

Chloroethane

Concen: 41.48 ug/l

RT: 2.57 min Scan# 93

Delta R.T. 0.00 min

Lab File: VT019043.D

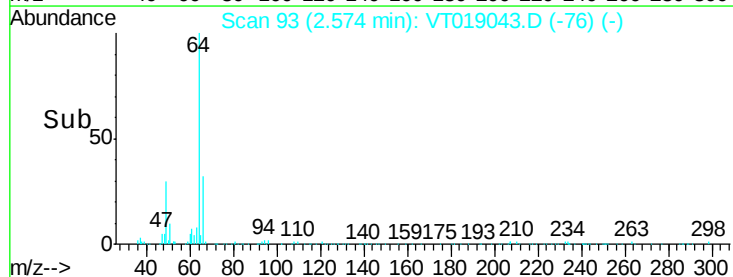
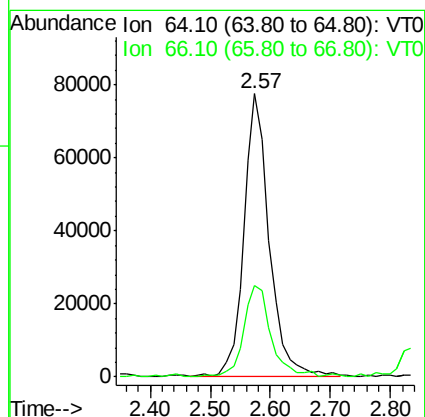
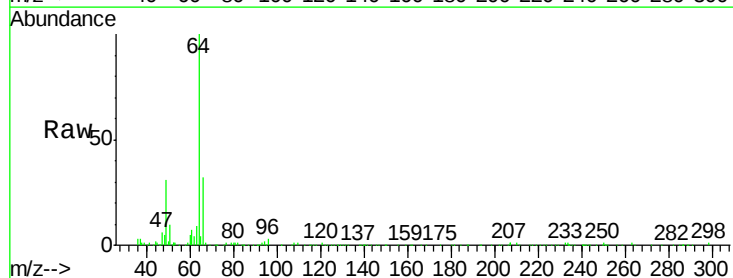
Acq: 8 May 2018 18:48

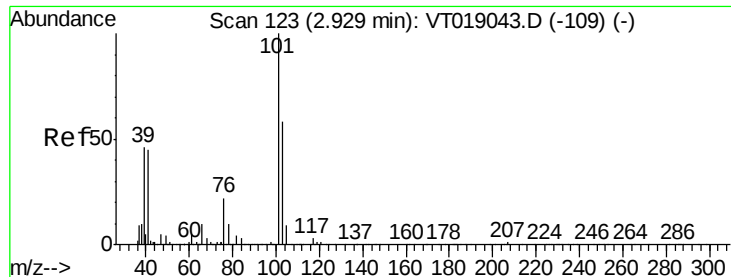
Tgt Ion: 64 Resp: 225073

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.8



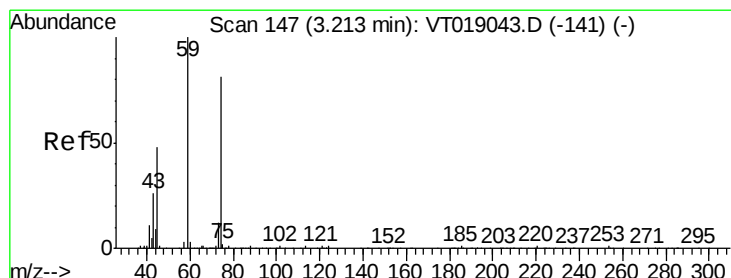
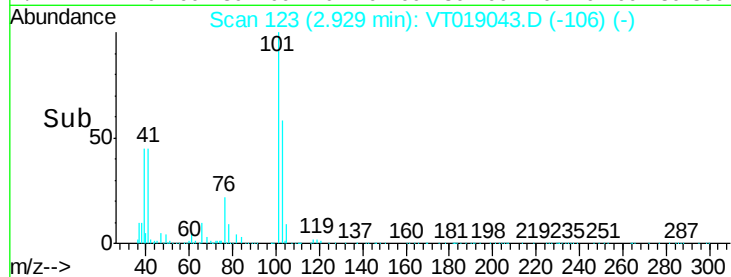
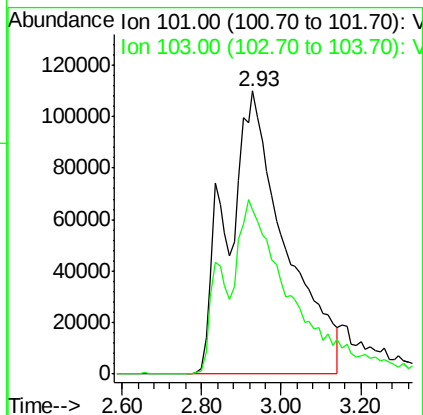
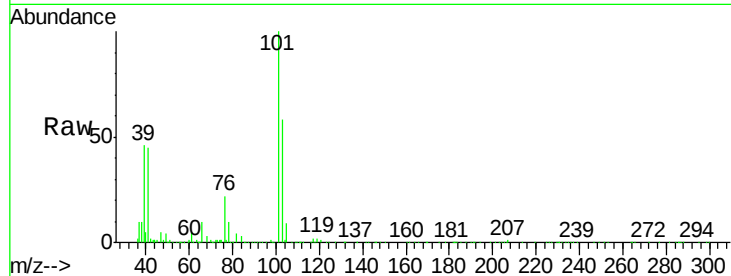


#7

Trichlorofluoromethane
Concen: 92.36 ug/l m
RT: 2.93 min Scan# 123
Delta R.T. 0.00 min
Lab File: VT019043.D
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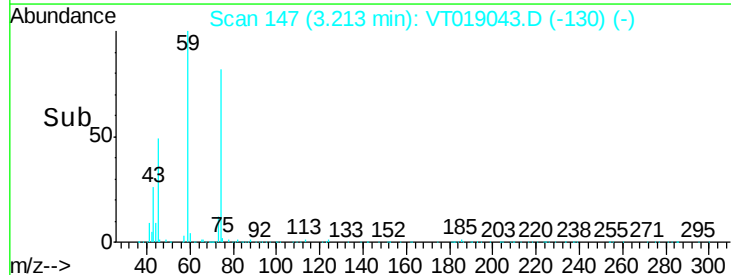
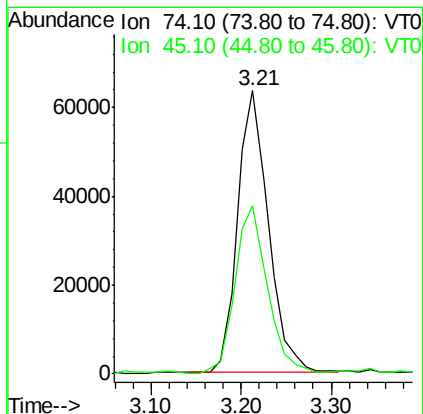
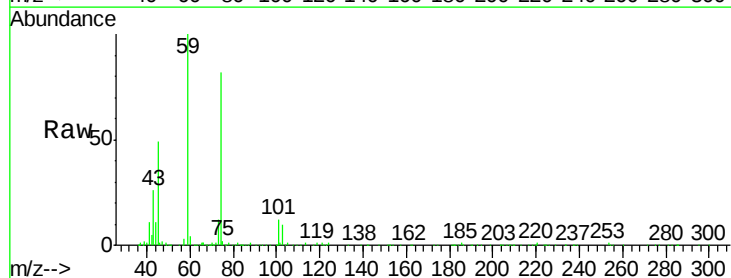
Tot Ion:101 Resp: 1107251
Ion Ratio Lower Upper
101 100
103 58.1 46.5 69.7

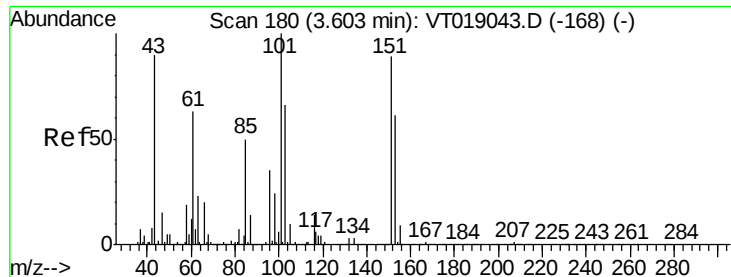


#8

Diethyl Ether
Concen: 35.03 ug/l
RT: 3.21 min Scan# 147
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

Tgt Ion: 74 Resp: 151799
Ion Ratio Lower Upper
74 100
45 59.6 29.8 89.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.97 ug/l

RT: 3.60 min Scan# 180

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

VSTDICCC050

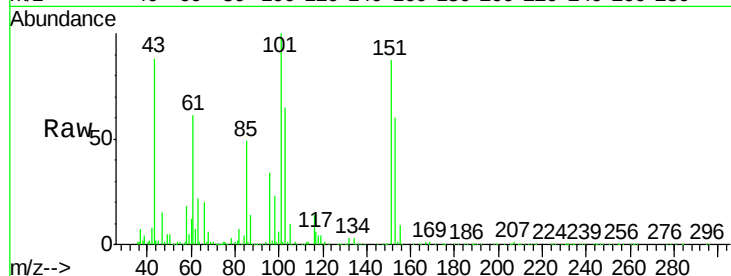
Tot Ion:101 Resp: 506014

Ion Ratio Lower Upper

101 100

85 49.4 39.5 59.3

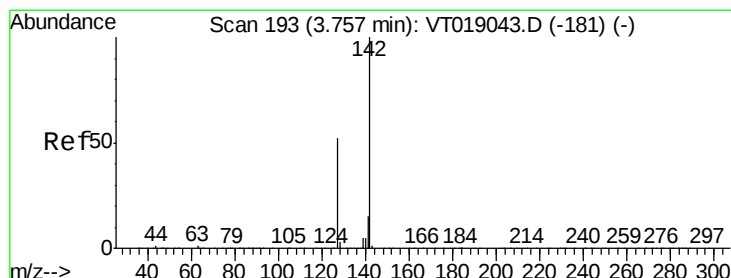
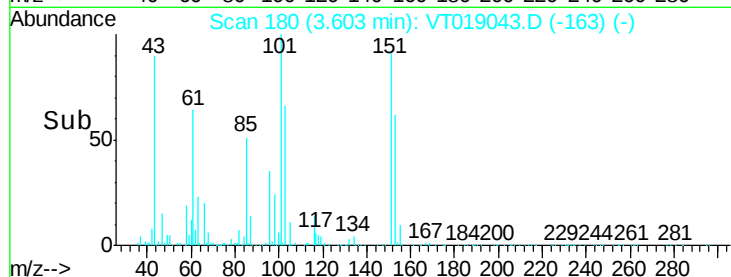
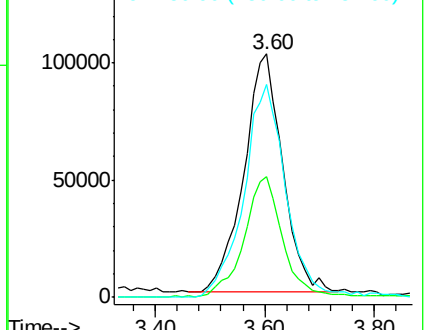
151 87.4 69.9 104.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VT0

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 47.08 ug/l

RT: 3.76 min Scan# 193

Delta R.T. 0.00 min

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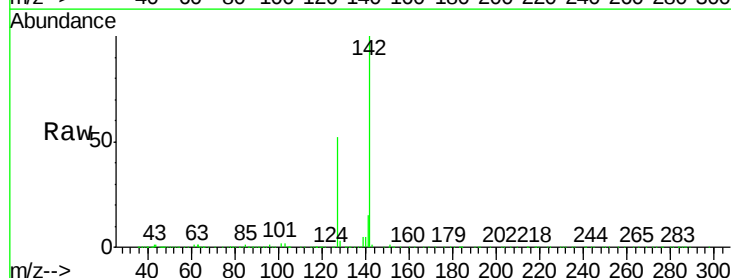
Tgt Ion:142 Resp: 755501

Ion Ratio Lower Upper

142 100

127 52.3 41.8 62.8

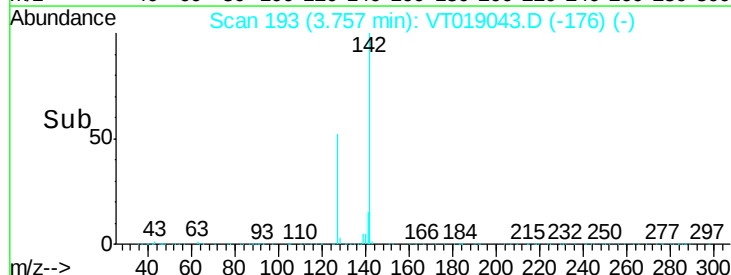
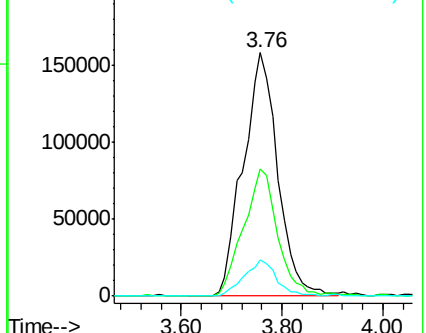
141 15.0 12.0 18.0

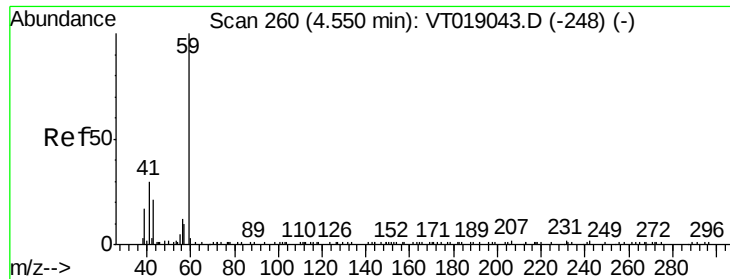


Abundance Ion 141.90 (141.60 to 142.60): V

Ion 126.90 (126.60 to 127.60): V

Ion 140.90 (140.60 to 141.60): V

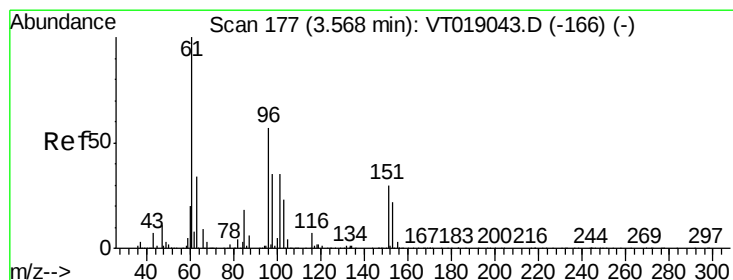
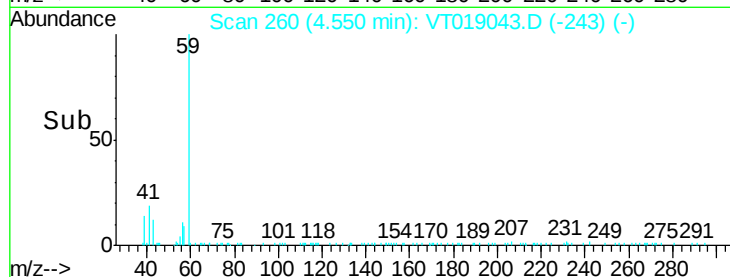
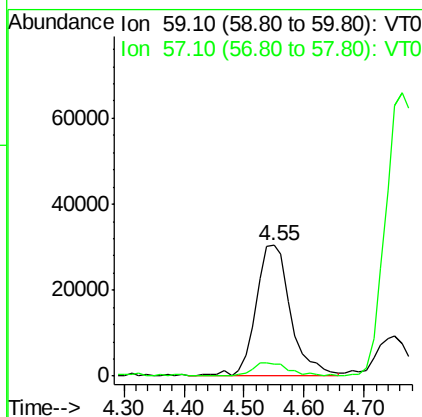
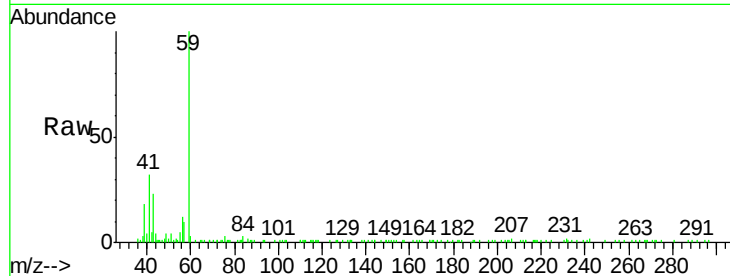




#11
Tert butyl alcohol
Concen: 243.20 ug/l
RT: 4.55 min Scan# 260
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

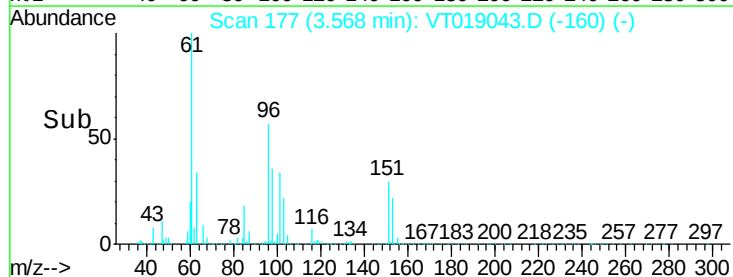
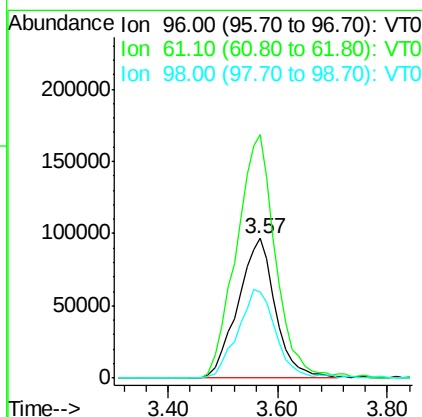
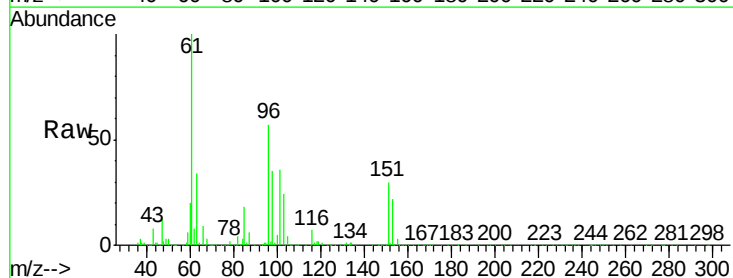
Instrument :
MSVOA_T
ClientSampleId :
VSTDICCC050

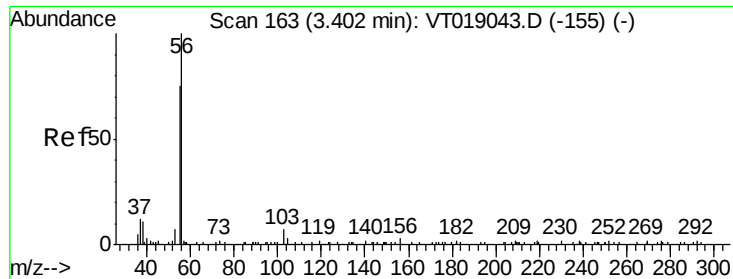
Tot Ion: 59 Resp: 120324
Ion Ratio Lower Upper
59 100
57 9.6 7.7 11.5



#12
1,1-Dichloroethene
Concen: 43.03 ug/l
RT: 3.57 min Scan# 177
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

Tgt Ion: 96 Resp: 460082
Ion Ratio Lower Upper
96 100
61 174.3 139.4 209.2
98 61.8 49.4 74.2





#13

Acrolein

Concen: 83.40 ug/l

RT: 3.40 min Scan# 163

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

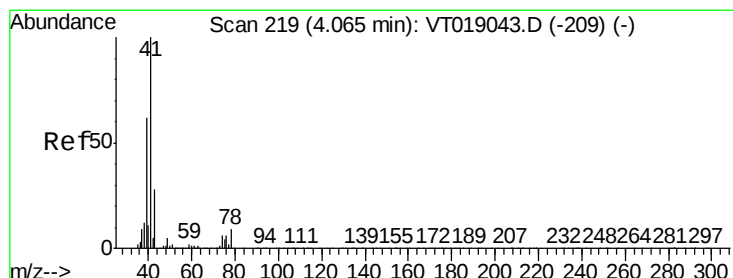
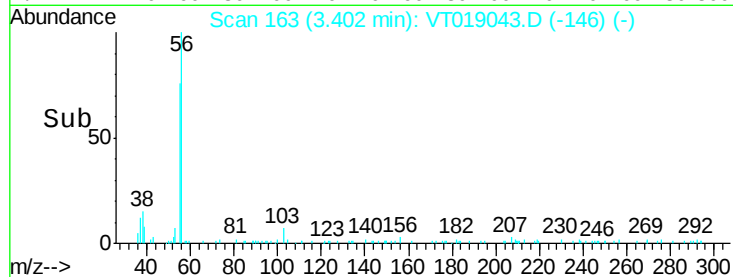
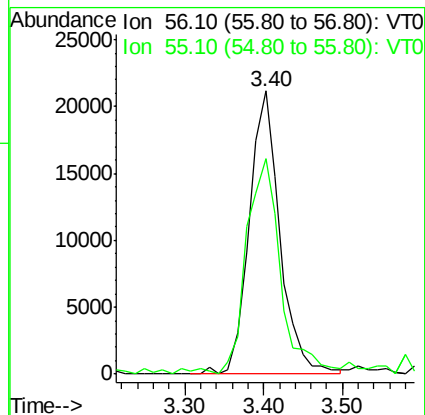
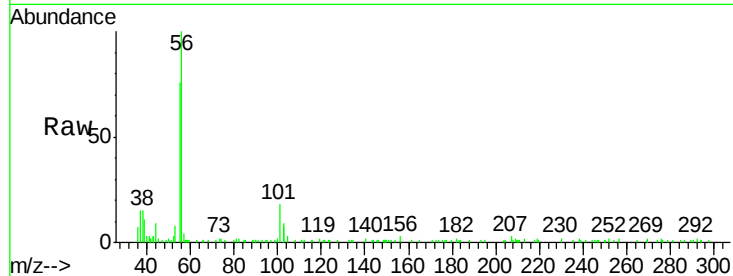
VSTDICCC050

Tot Ion: 56 Resp: 56951

Ion Ratio Lower Upper

56 100

55 76.0 60.8 91.2



#14

Allyl chloride

Concen: 53.11 ug/l

RT: 4.06 min Scan# 219

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

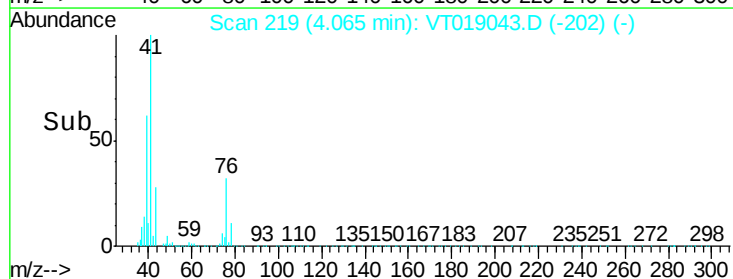
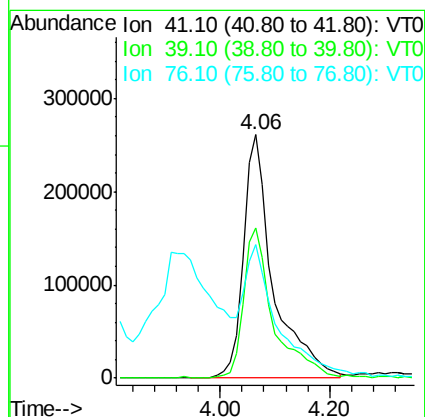
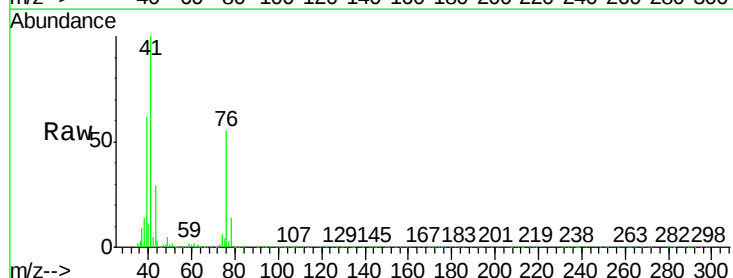
Tgt Ion: 41 Resp: 993172

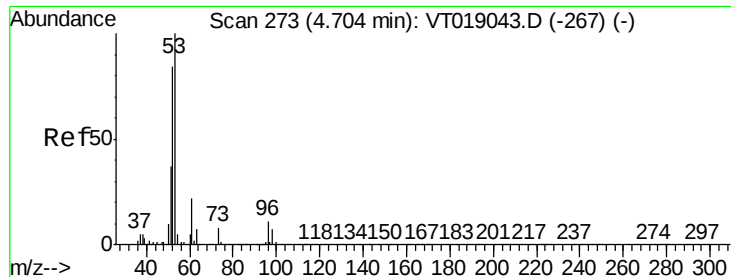
Ion Ratio Lower Upper

41 100

39 61.9 49.5 74.3

76 55.0 44.0 66.0





#15

Acrylonitrile

Concen: 232.56 ug/l

RT: 4.70 min Scan# 273

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

VSTDICCC050

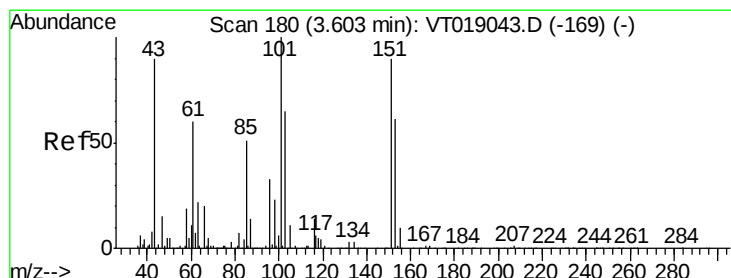
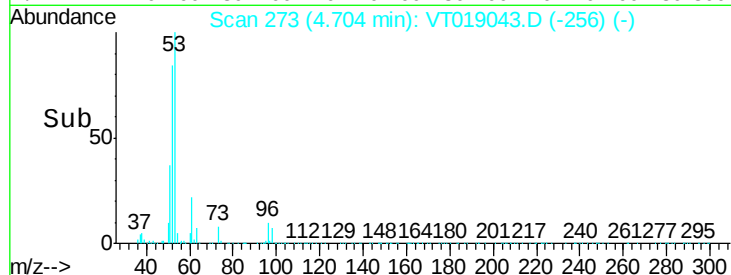
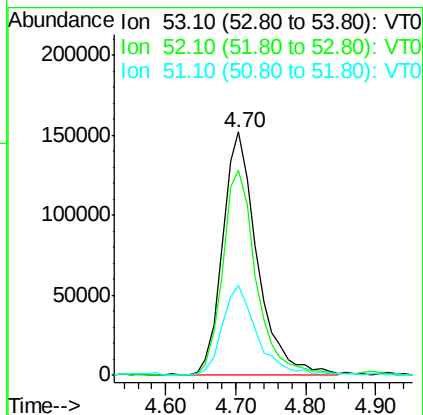
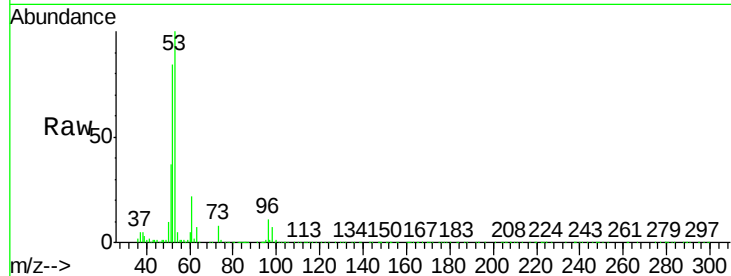
Tot Ion: 53 Resp: 520293

Ion Ratio Lower Upper

53 100

52 84.2 67.4 101.0

51 37.0 29.6 44.4



#16

Acetone

Concen: 116.44 ug/l

RT: 3.60 min Scan# 180

Delta R.T. 0.00 min

Lab File: VT019043.D

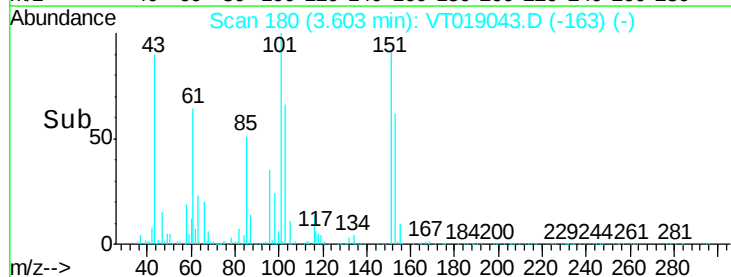
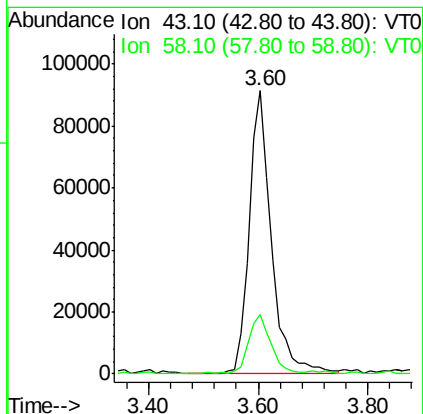
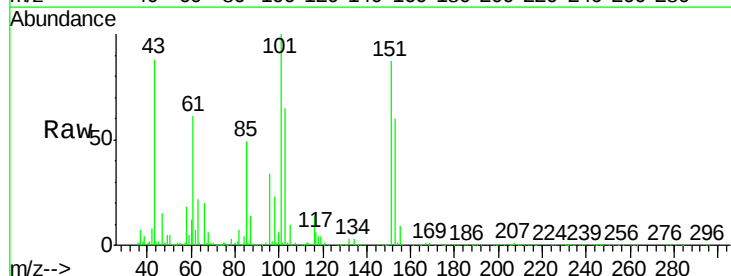
Acq: 8 May 2018 18:48

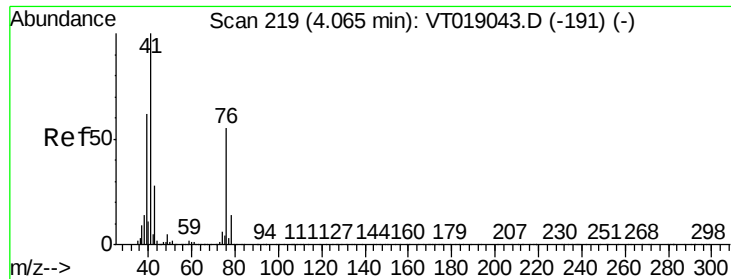
Tgt Ion: 43 Resp: 260109

Ion Ratio Lower Upper

43 100

58 20.9 16.7 25.1

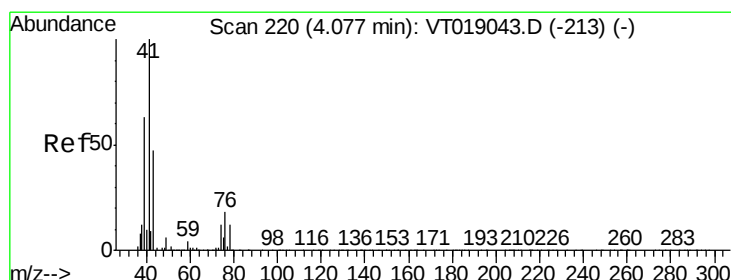
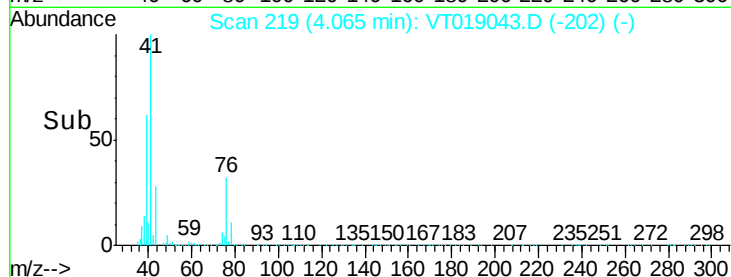
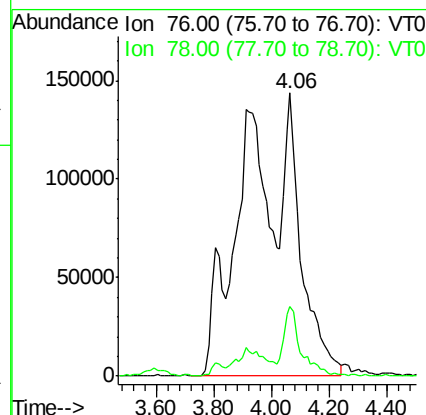
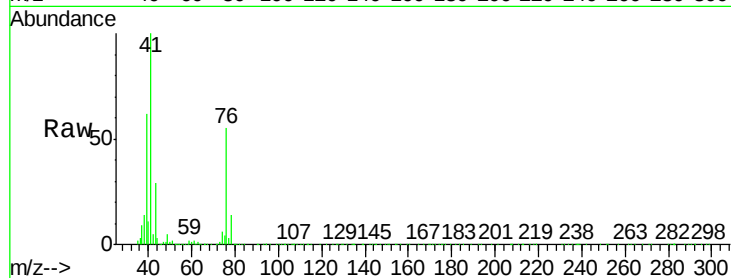




#17
Carbon Disulfide
Concen: 62.72 ug/l m
RT: 4.06 min Scan# 219
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

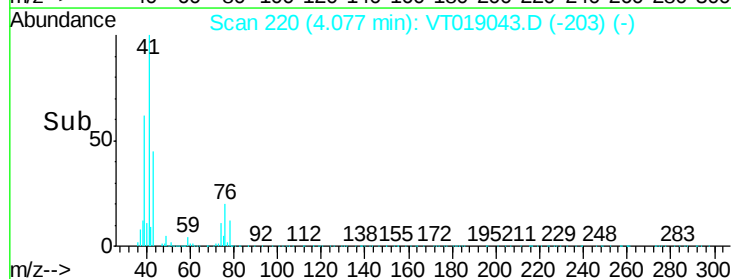
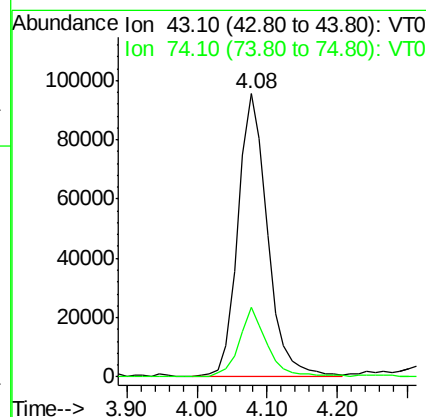
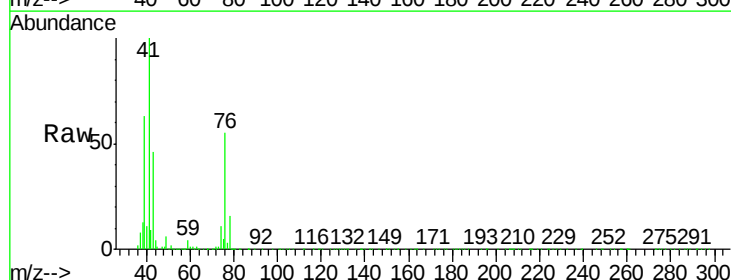
Instrument :
MSVOA_T
ClientSampleId :
VSTDICCC050

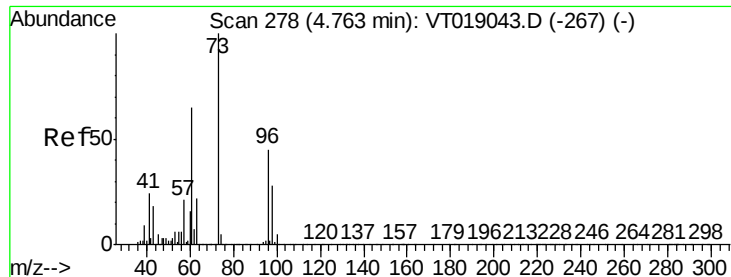
Tot Ion: 76 Resp: 1842746
Ion Ratio Lower Upper
76 100
78 24.8 19.8 29.8



#18
Methyl Acetate
Concen: 29.55 ug/l
RT: 4.08 min Scan# 220
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

Tgt Ion: 43 Resp: 281475
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8

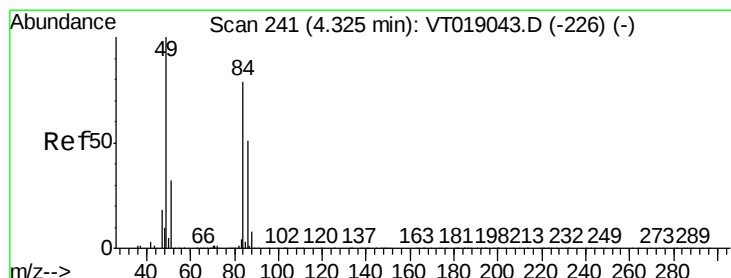
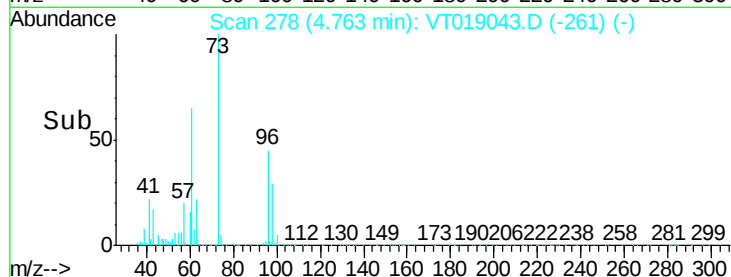
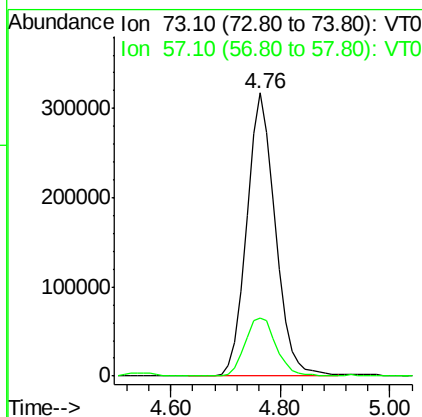
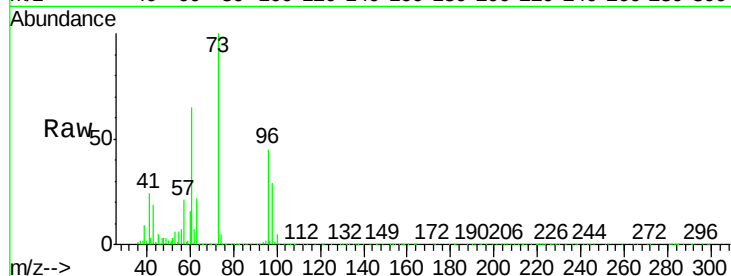




#19
Methvl tert-butvl Ether
Concen: 57.58 ug/l
RT: 4.76 min Scan# 278
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

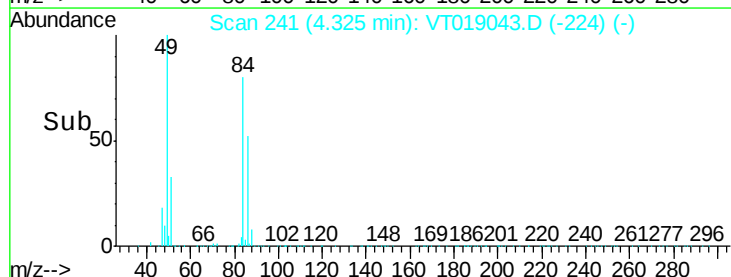
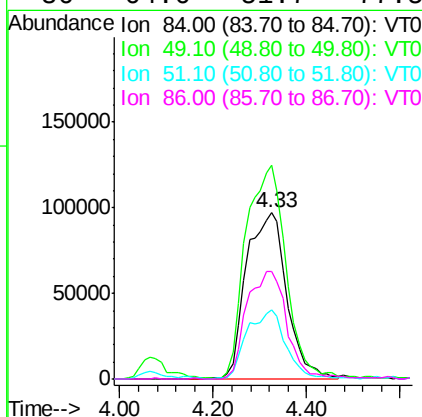
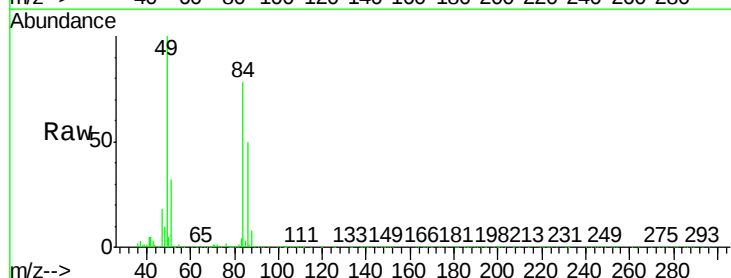
Instrument :
MSVOA_T
ClientSampleId :
VSTDICCC050

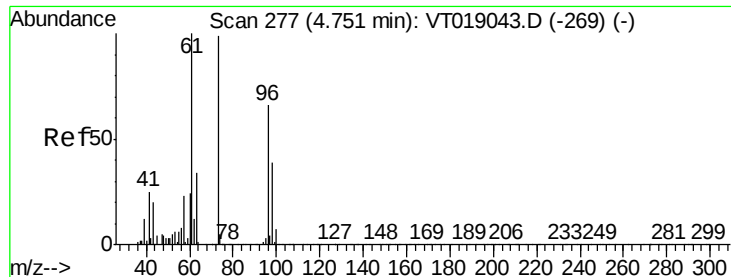
Tot Ion: 73 Resp: 1165623
Ion Ratio Lower Upper
73 100
57 20.8 16.6 25.0



#20
Methylene Chloride
Concen: 46.70 ug/l
RT: 4.33 min Scan# 241
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

Tgt Ion: 84 Resp: 581222
Ion Ratio Lower Upper
84 100
49 128.7 103.0 154.4
51 41.6 33.3 49.9
86 64.6 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 59.22 ug/l

RT: 4.75 min Scan# 277

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

VSTDICCC050

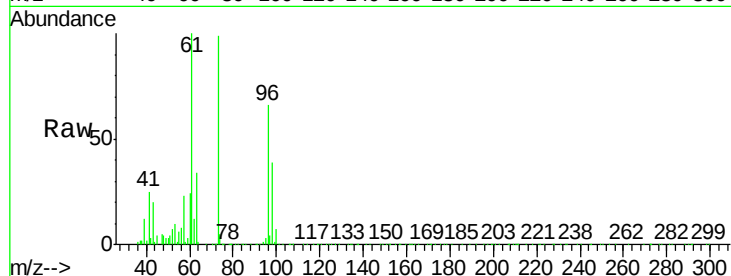
Tot Ion: 96 Resp: 680582

Ion Ratio Lower Upper

96 100

61 151.0 120.8 181.2

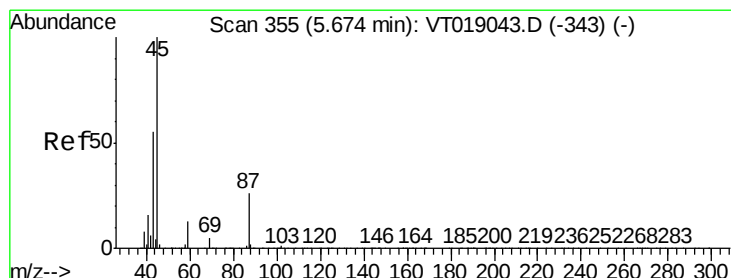
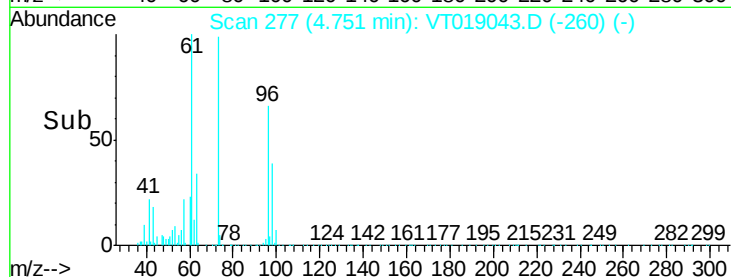
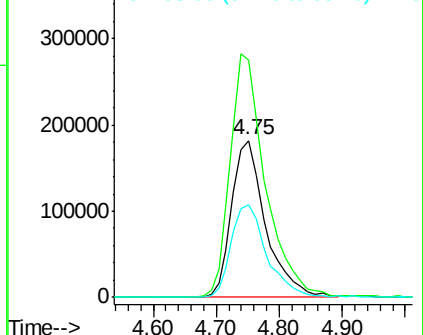
98 59.3 47.4 71.2



Abundance Ion 96.00 (95.70 to 96.70): VT0

Ion 61.00 (60.70 to 61.70): VT0

Ion 98.00 (97.70 to 98.70): VT0



#22

Diisopropyl ether

Concen: 57.56 ug/l

RT: 5.67 min Scan# 355

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Tgt Ion: 45 Resp: 1901297

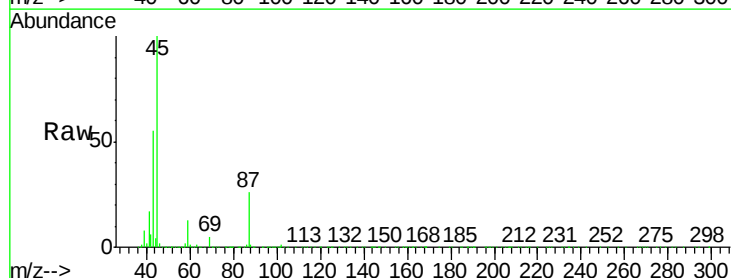
Ion Ratio Lower Upper

45 100

43 54.7 43.8 65.6

87 26.0 20.8 31.2

59 12.8 10.2 15.4

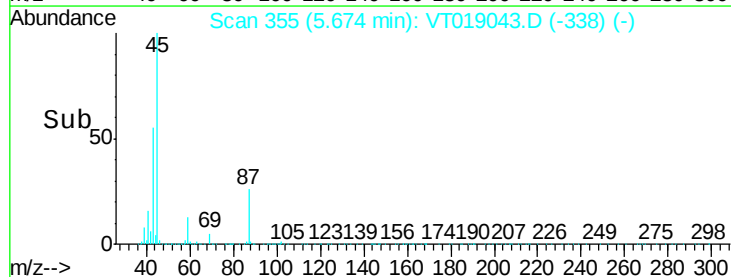
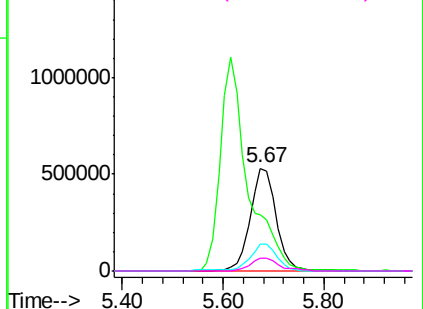


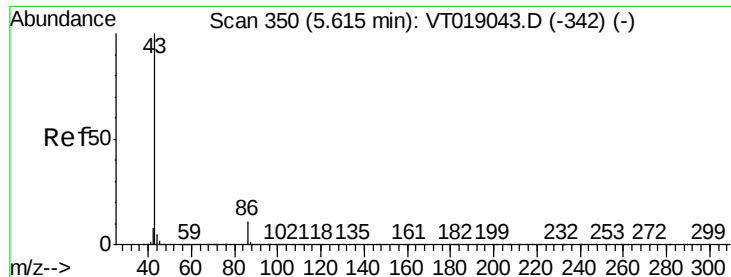
Abundance Ion 45.10 (44.80 to 45.80): VT0

Ion 43.10 (42.80 to 43.80): VT0

Ion 87.10 (86.80 to 87.80): VT0

Ion 59.10 (58.80 to 59.80): VT0





#23

Vinyl Acetate

Concen: 342.92 ug/l

RT: 5.61 min Scan# 350

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

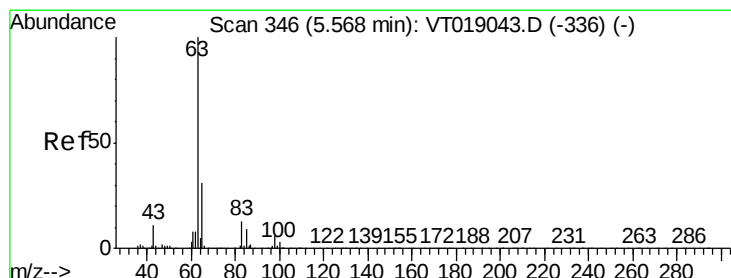
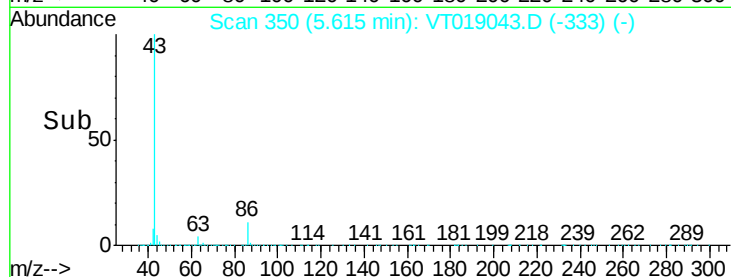
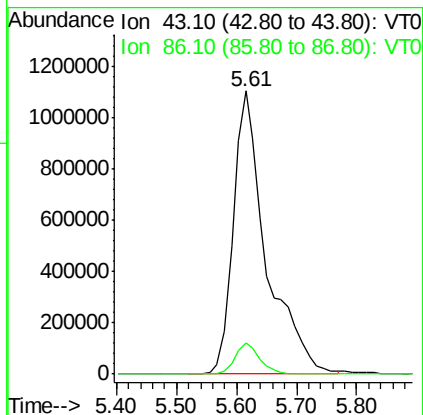
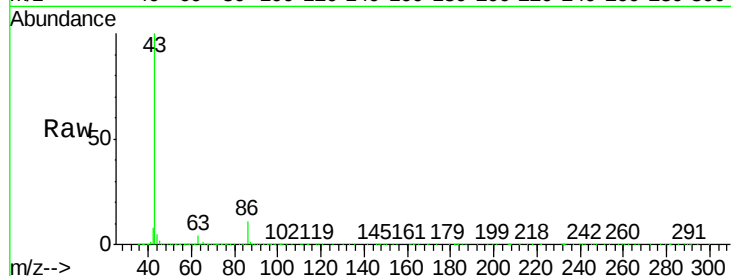
VSTDICCC050

Tot Ion: 43 Resp: 4209229

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



#24

1,1-Dichloroethane

Concen: 64.85 ug/l

RT: 5.57 min Scan# 346

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

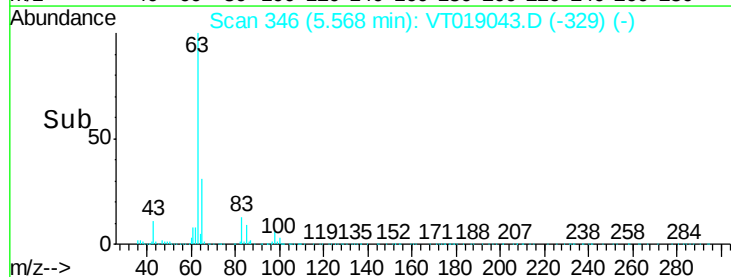
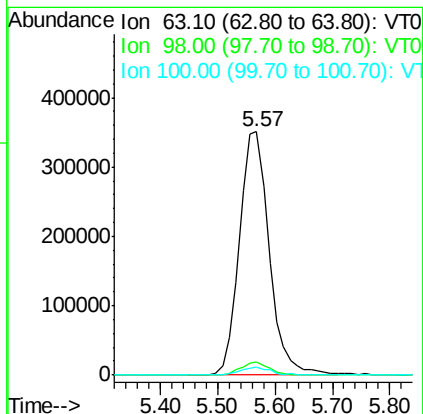
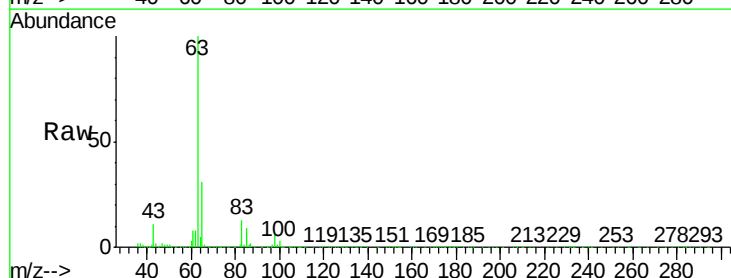
Tgt Ion: 63 Resp: 1266800

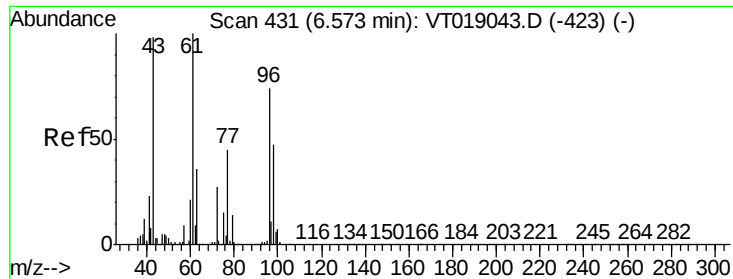
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.4 1.7 5.1

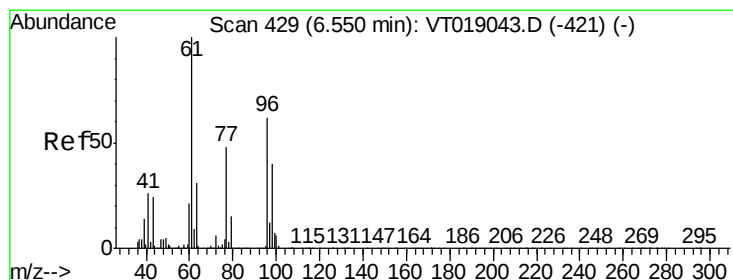
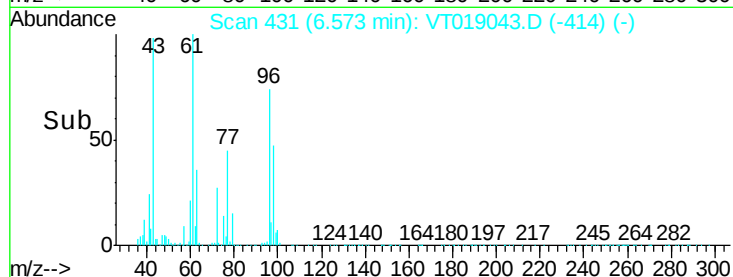
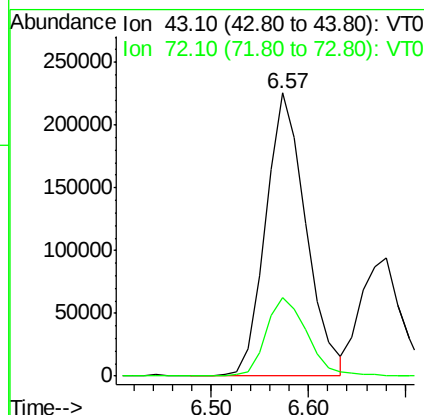
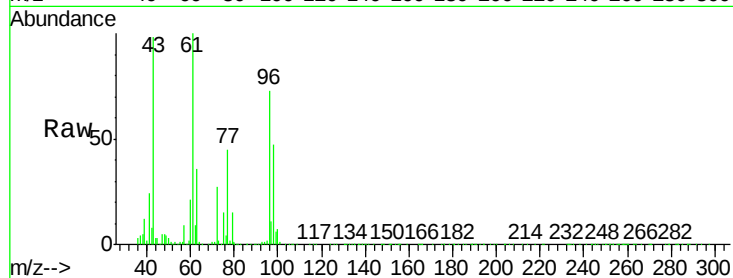




#25
2-Butanone
Concen: 210.99 ug/l
RT: 6.57 min Scan# 431
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

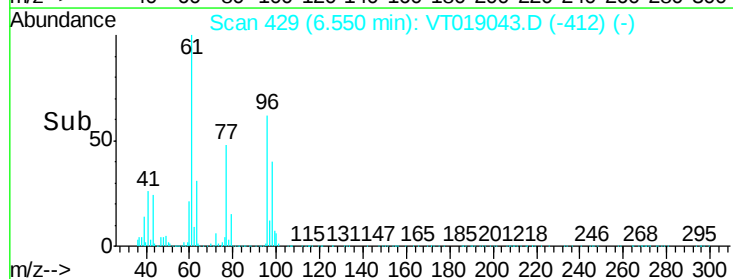
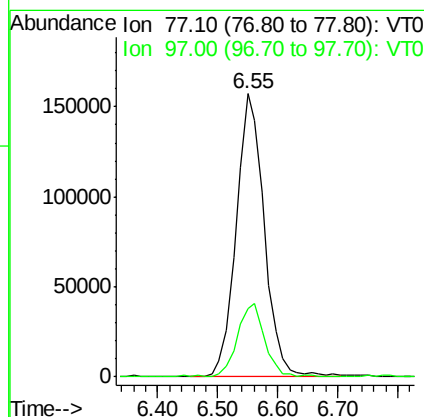
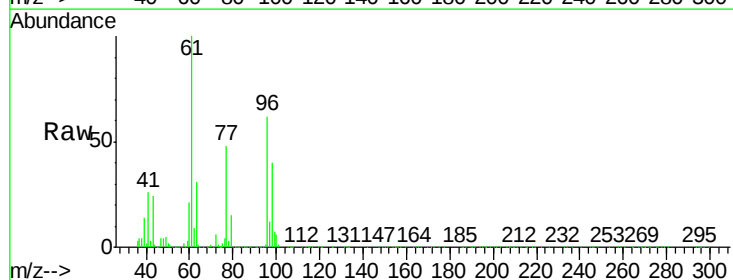
Instrument :
MSVOA_T
ClientSampleId :
VSTDICCC050

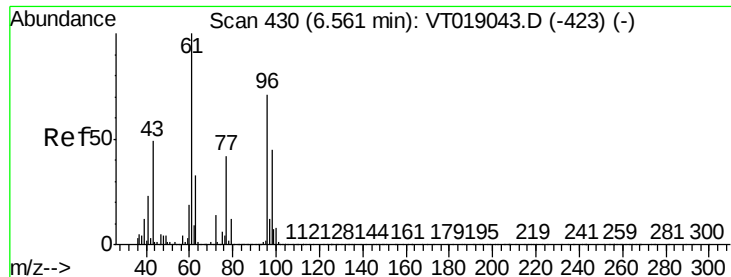
Tot Ion: 43 Resp: 643486
Ion Ratio Lower Upper
43 100
72 27.6 22.1 33.1



#26
2,2-Dichloropropane
Concen: 55.84 ug/l
RT: 6.55 min Scan# 429
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

Tgt Ion: 77 Resp: 513427
Ion Ratio Lower Upper
77 100
97 24.3 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 59.54 ug/l

RT: 6.56 min Scan# 430

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

VSTDICCC050

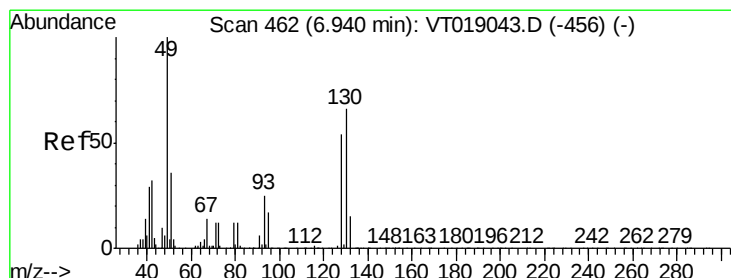
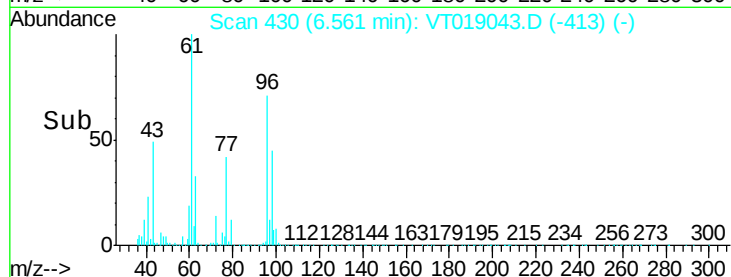
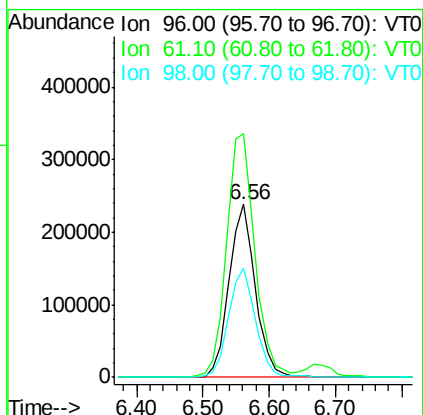
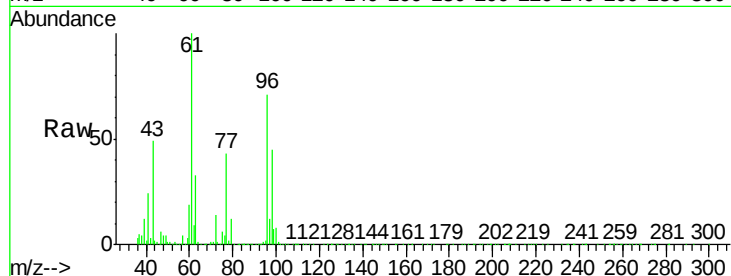
Tot Ion: 96 Resp: 668168

Ion Ratio Lower Upper

96 100

61 141.0 0.0 282.0

98 62.9 0.0 125.8



#28

Bromochloromethane

Concen: 54.14 ug/l

RT: 6.94 min Scan# 462

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

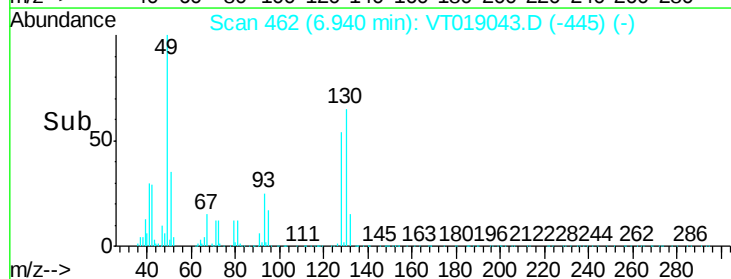
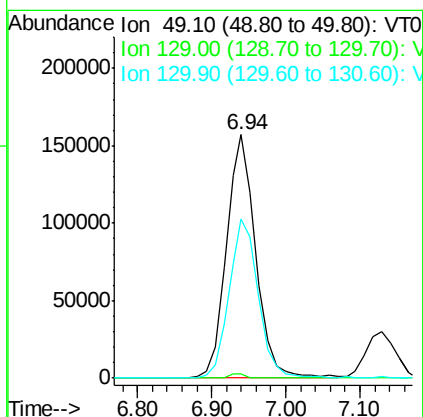
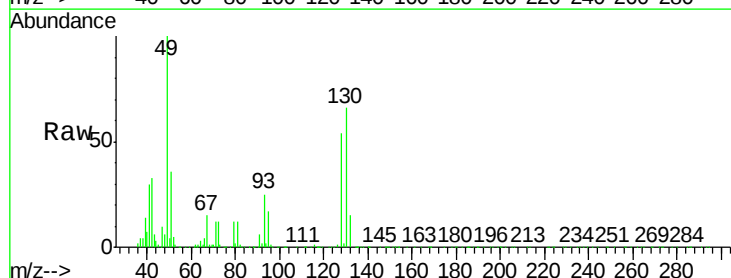
Tgt Ion: 49 Resp: 432337

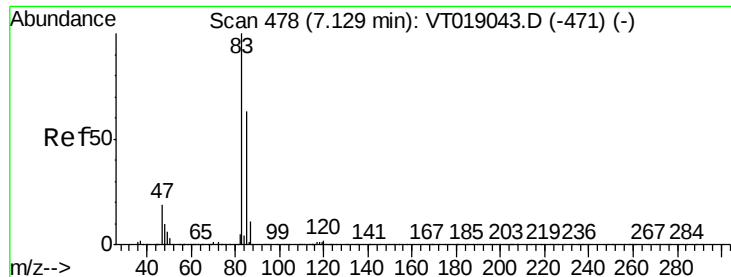
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 65.5 52.4 78.6





#29

Chloroform

Concen: 67.91 ug/l

RT: 7.13 min Scan# 478

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

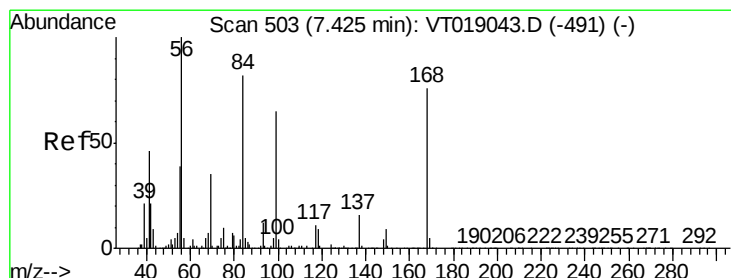
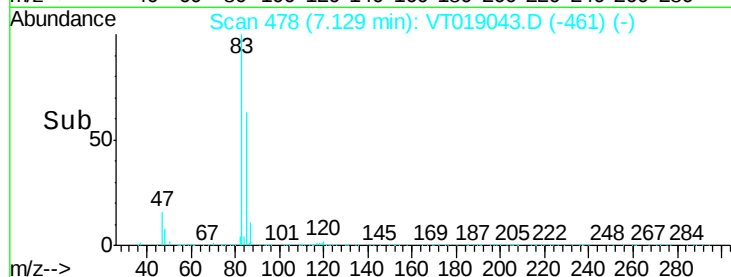
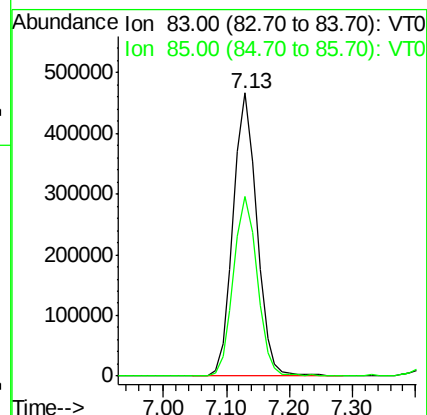
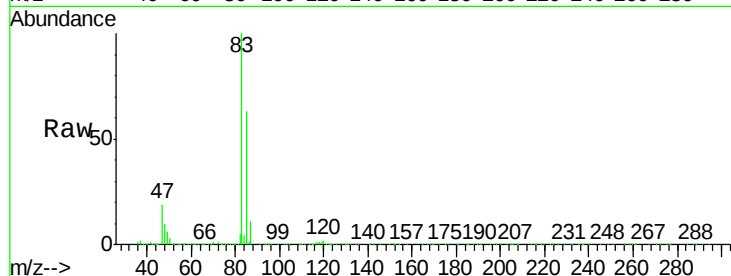
VSTDICCC050

Tot Ion: 83 Resp: 1214769

Ion Ratio Lower Upper

83 100

85 63.3 50.6 76.0



#30

Cyclohexane

Concen: 62.33 ug/l

RT: 7.43 min Scan# 503

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

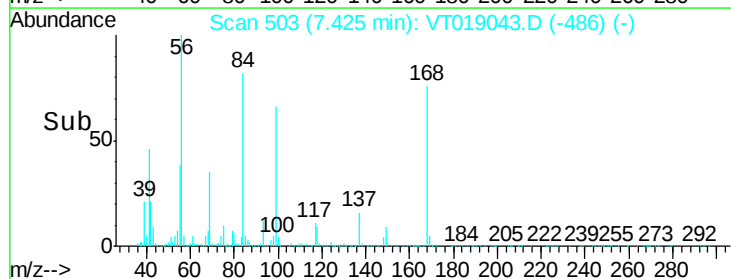
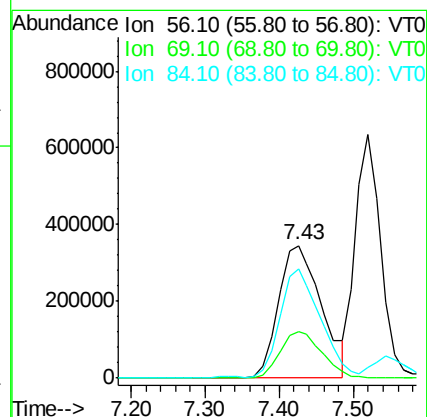
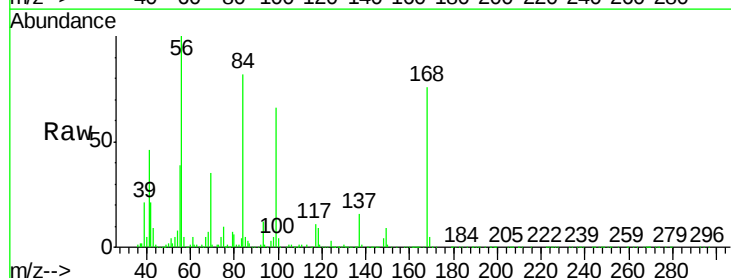
Tgt Ion: 56 Resp: 1385813

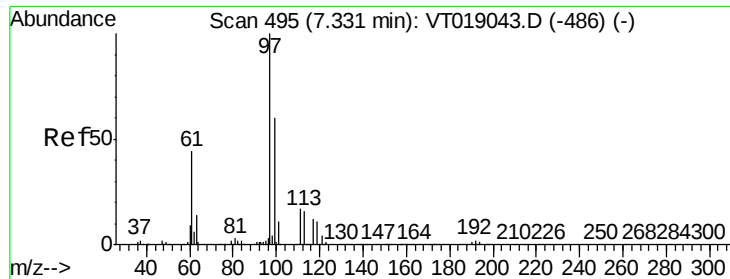
Ion Ratio Lower Upper

56 100

69 35.2 28.2 42.2

84 82.0 65.6 98.4





#31

1,1,1-Trichloroethane

Concen: 70.11 ug/l

RT: 7.33 min Scan# 495

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

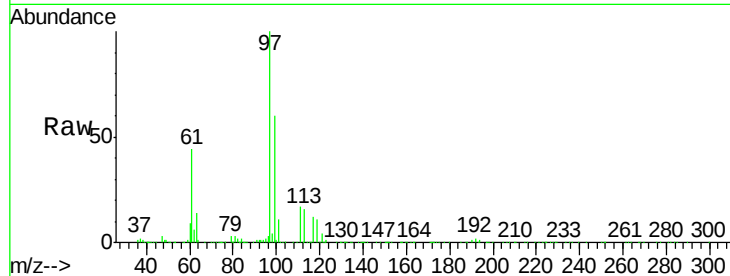
MSVOA_T

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 959886

Ion	Ratio	Lower	Upper
97	100		
99	59.5	47.6	71.4
61	44.1	35.3	52.9

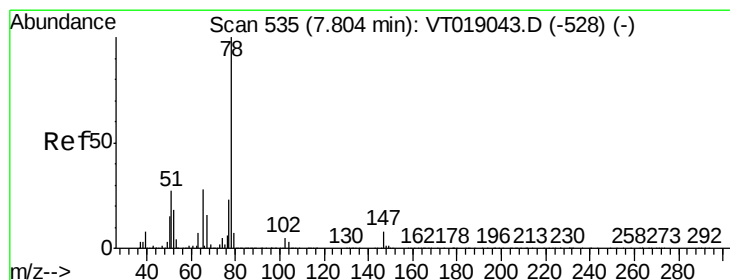
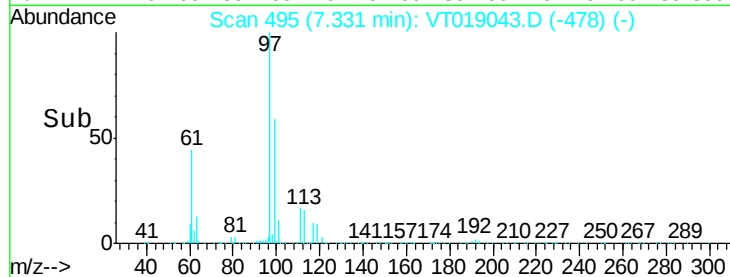
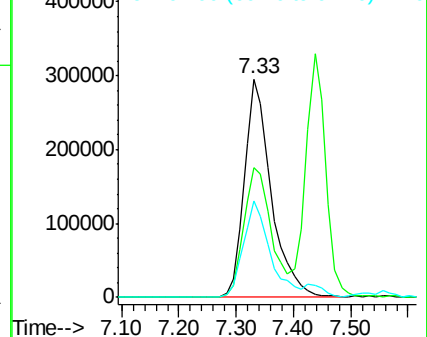


Abundance

Ion 97.00 (96.70 to 97.70): VT0

Ion 99.00 (98.70 to 99.70): VT0

Ion 61.00 (60.70 to 61.70): VT0



#32

1,2-Dichloroethane-d4

Concen: 56.59 ug/l

RT: 7.80 min Scan# 535

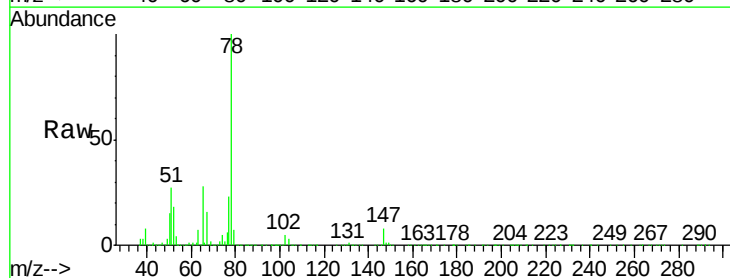
Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Tgt Ion: 65 Resp: 523521

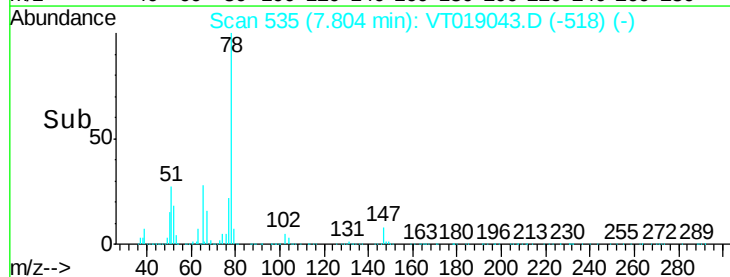
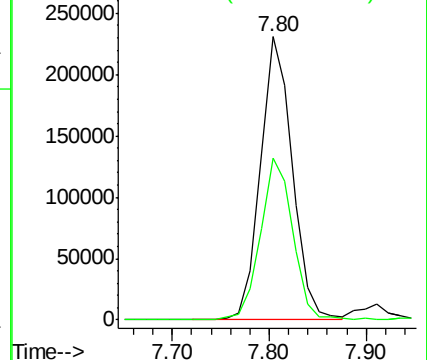
Ion	Ratio	Lower	Upper
65	100		
67	57.1	0.0	114.2

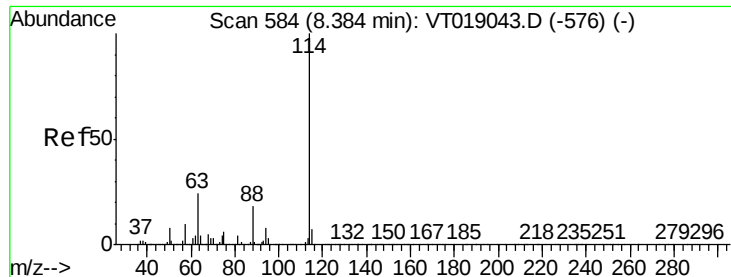


Abundance

Ion 65.10 (64.80 to 65.80): VT0

Ion 67.10 (66.80 to 67.80): VT0





#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.38 min Scan# 584

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

VSTDICCC050

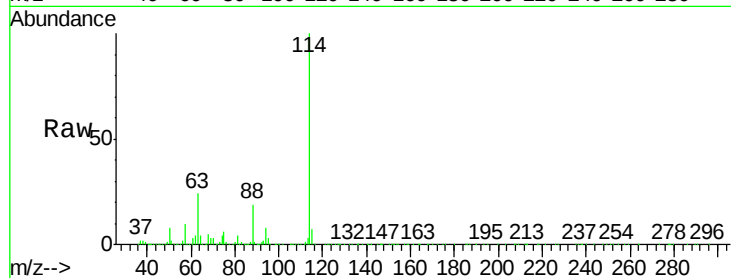
Tot Ion:114 Resp: 1892438

Ion Ratio Lower Upper

114 100

63 24.4 0.0 48.8

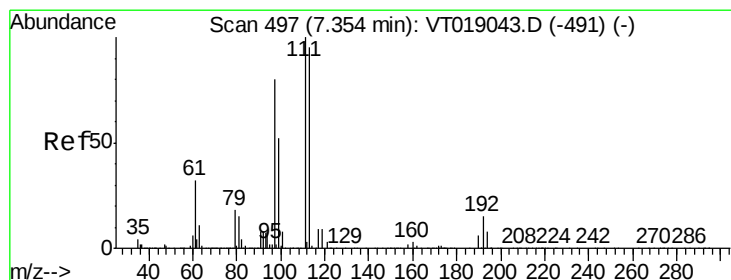
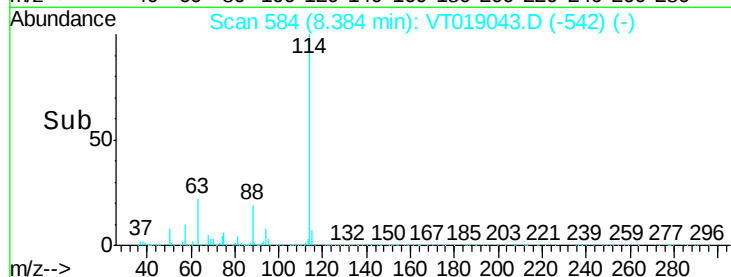
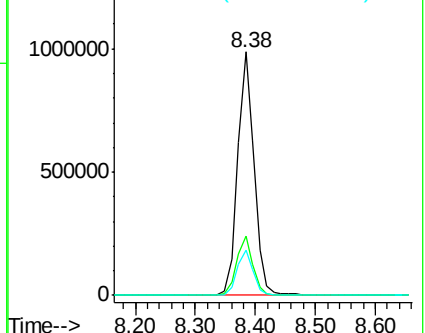
88 18.5 0.0 37.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VT0

Ion 88.10 (87.80 to 88.80): VT0



#34

Dibromofluoromethane

Concen: 51.88 ug/l

RT: 7.35 min Scan# 497

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

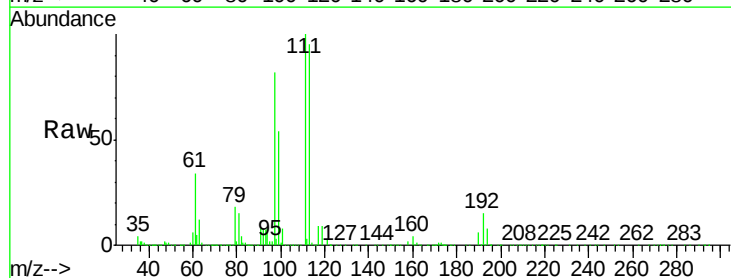
Tgt Ion:113 Resp: 531725

Ion Ratio Lower Upper

113 100

111 105.0 84.0 126.0

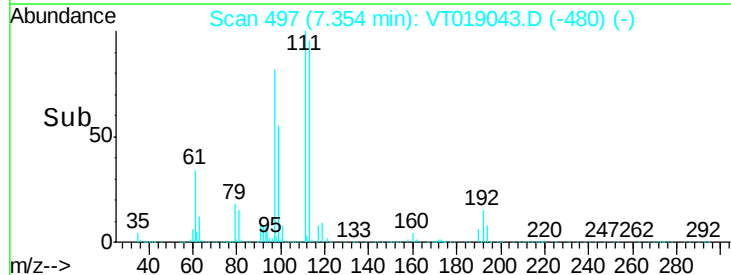
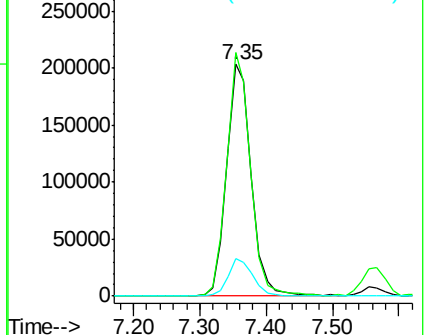
192 16.1 12.9 19.3

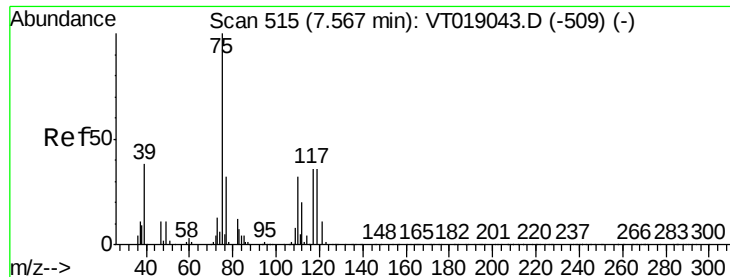


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

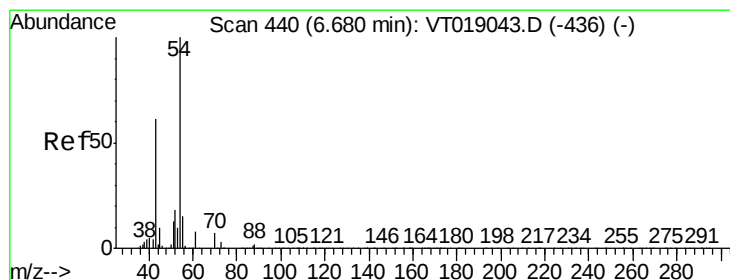
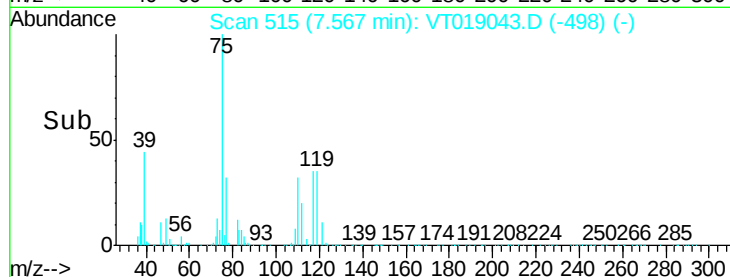
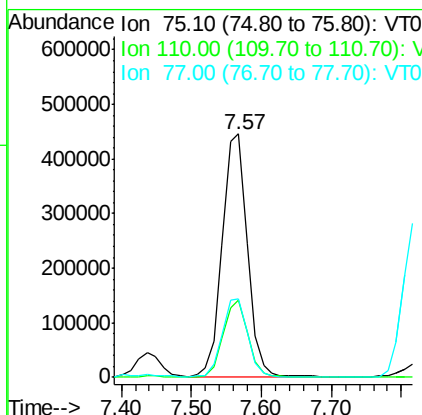
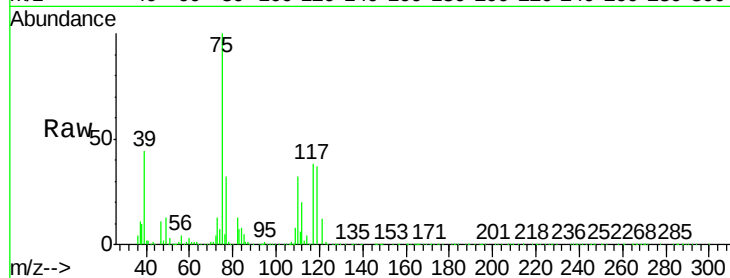




#35
 1,1-Dichloropropene
 Concen: 59.22 ug/l
 RT: 7.57 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VT019043.D
 Acq: 8 May 2018 18:48

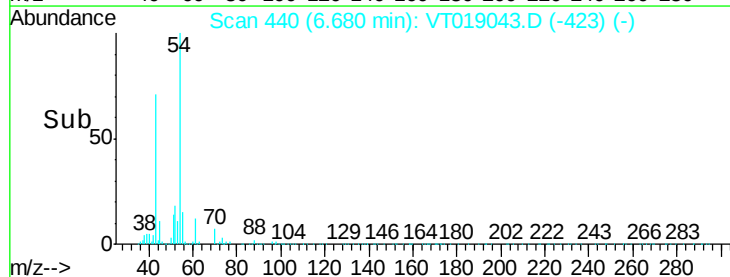
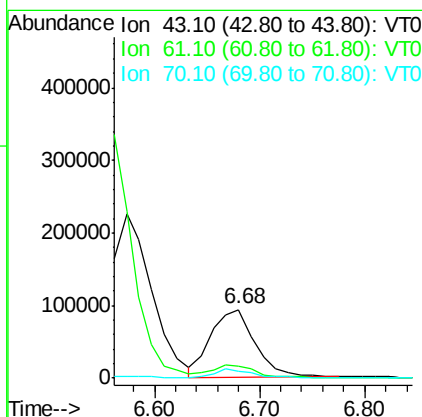
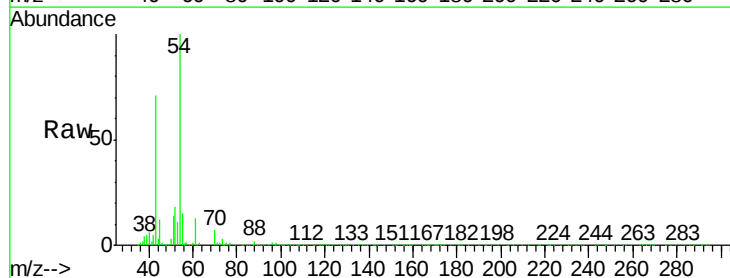
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDICCC050

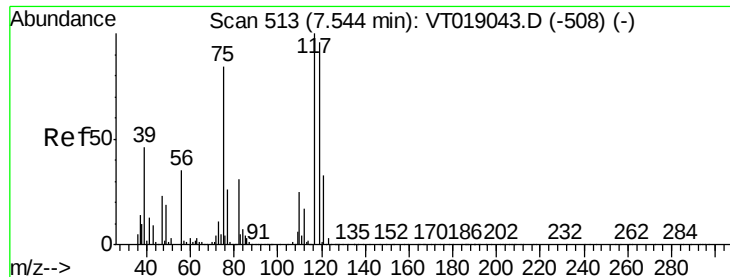
Tot Ion: 75 Resp: 1107148
 Ion Ratio Lower Upper
 75 100
 110 31.7 15.9 47.6
 77 32.4 25.9 38.9



#36
 Ethyl Acetate
 Concen: 39.07 ug/l
 RT: 6.68 min Scan# 440
 Delta R.T. 0.00 min
 Lab File: VT019043.D
 Acq: 8 May 2018 18:48

Tgt Ion: 43 Resp: 270011
 Ion Ratio Lower Upper
 43 100
 61 17.7 14.2 21.2
 70 10.5 8.4 12.6





#37

Carbon Tetrachloride

Concen: 57.46 ug/l

RT: 7.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

VSTDICCC050

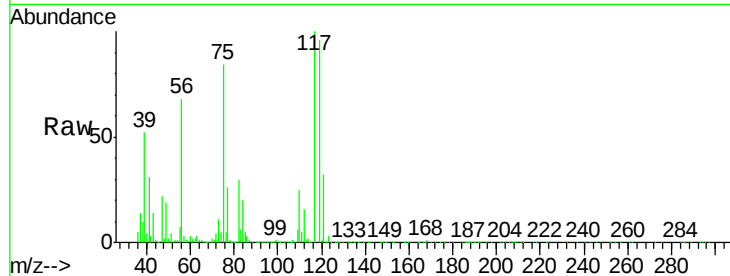
Tot Ion:117 Resp: 898891

Ion Ratio Lower Upper

117 100

119 95.6 76.5 114.7

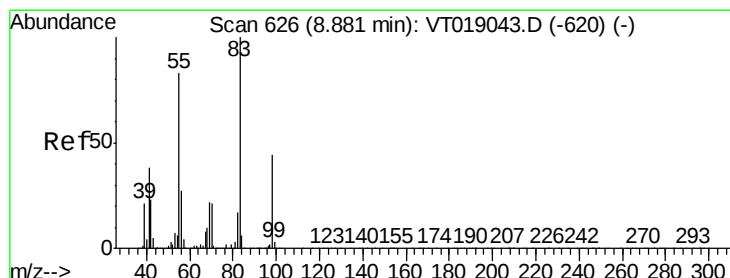
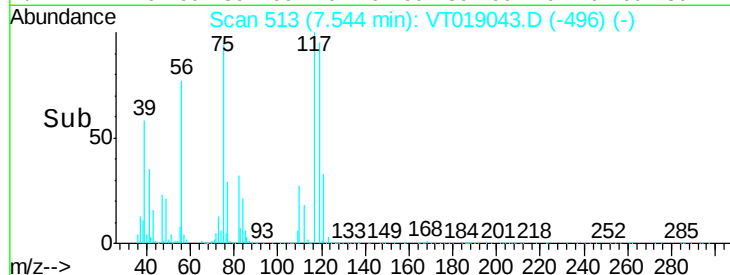
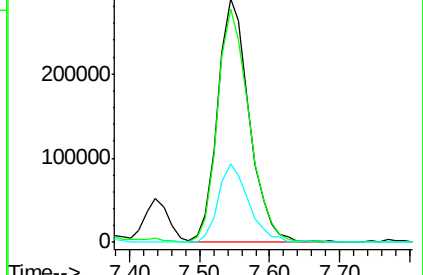
121 32.5 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

Ion 120.90 (120.60 to 121.60): V



#38

Methylcyclohexane

Concen: 56.23 ug/l

RT: 8.88 min Scan# 626

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

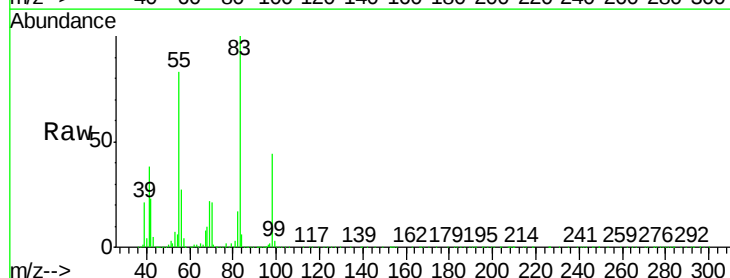
Tgt Ion: 83 Resp: 1343304

Ion Ratio Lower Upper

83 100

55 83.4 66.7 100.1

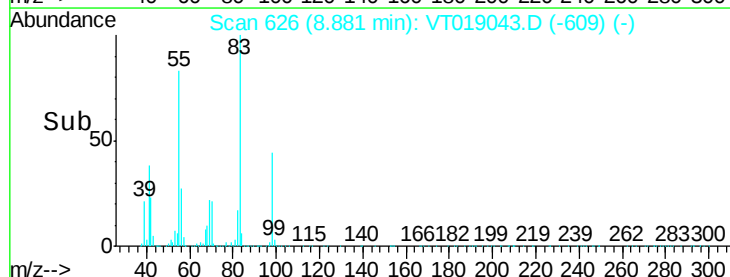
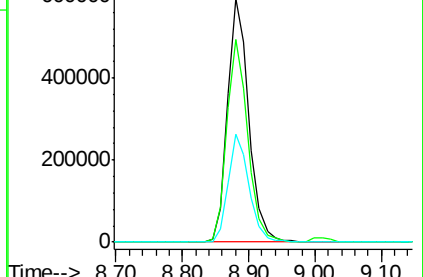
98 44.4 35.5 53.3

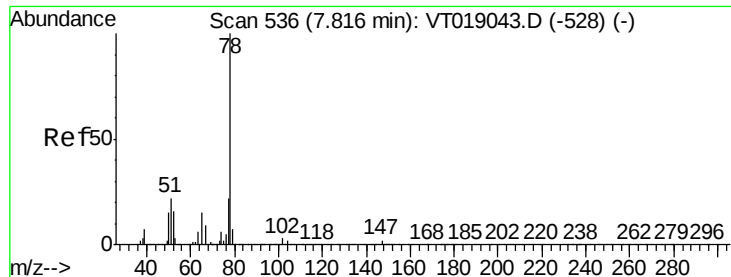


Abundance Ion 83.10 (82.80 to 83.80): VT0

Ion 55.10 (54.80 to 55.80): VT0

Ion 98.10 (97.80 to 98.80): VT0





#39

Benzene

Concen: 55.76 ug/l

RT: 7.82 min Scan# 536

Delta R.T. 0.00 min

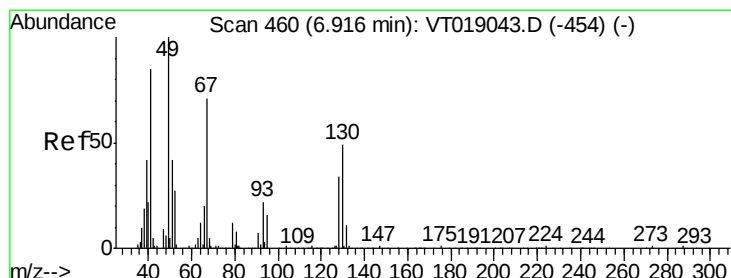
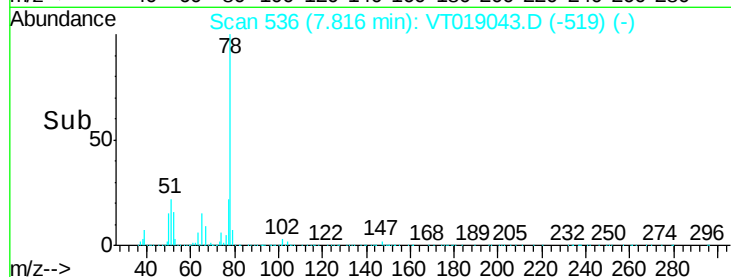
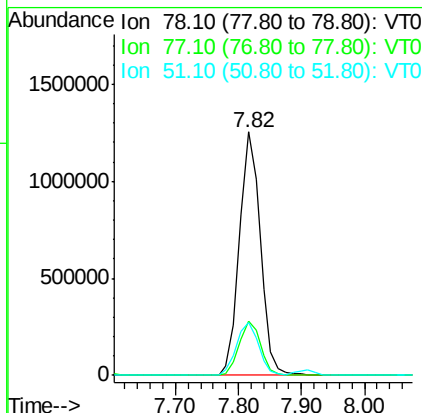
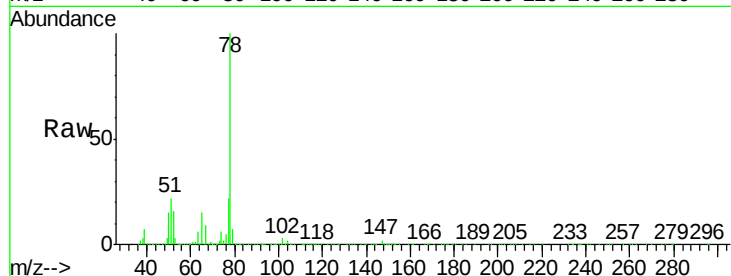
Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :
MSVOA_T
ClientSampleId :
VSTDICCC050

Tot Ion: 78 Resp: 2881409

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.0	27.0
51	21.6	17.3	25.9



#40

Methacrylonitrile

Concen: 43.22 ug/l m

RT: 6.92 min Scan# 460

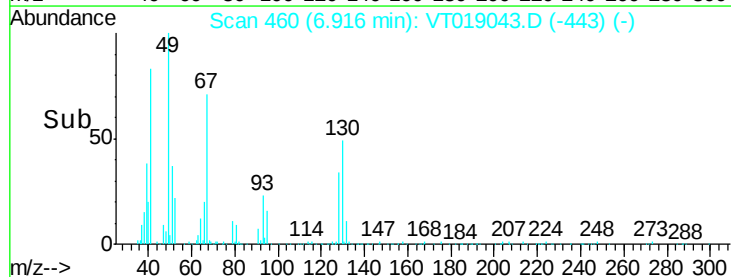
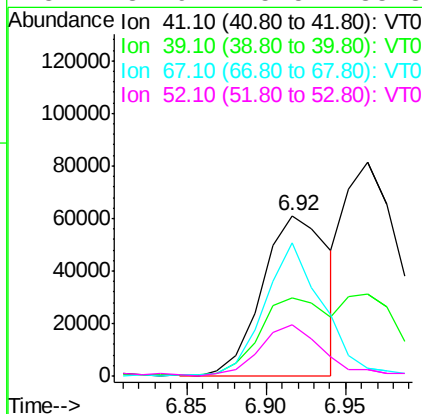
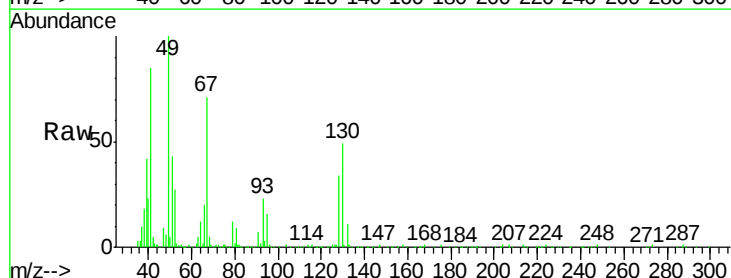
Delta R.T. 0.00 min

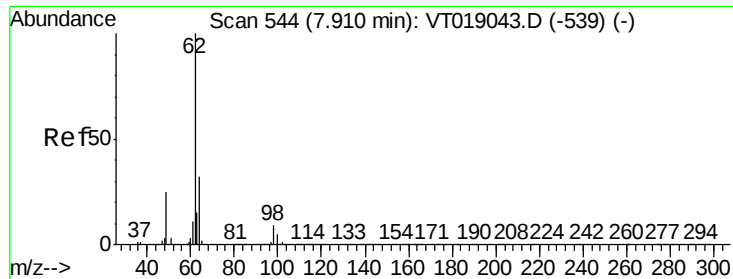
Lab File: VT019043.D

Acq: 8 May 2018 18:48

Tgt Ion: 41 Resp: 176289

Ion	Ratio	Lower	Upper
41	100		
39	49.2	39.4	59.0
67	83.5	66.8	100.2
52	31.9	25.5	38.3

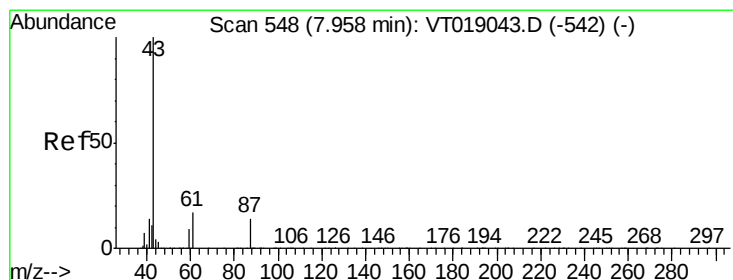
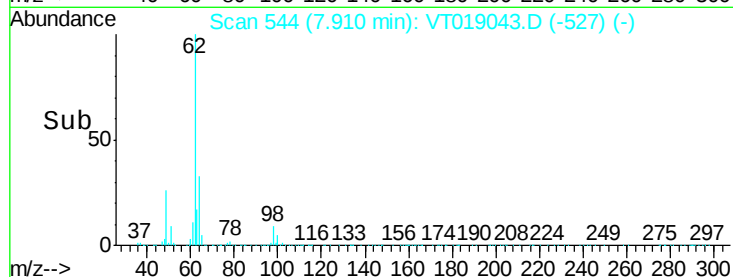
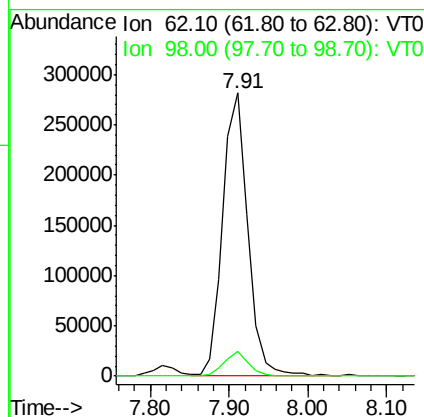
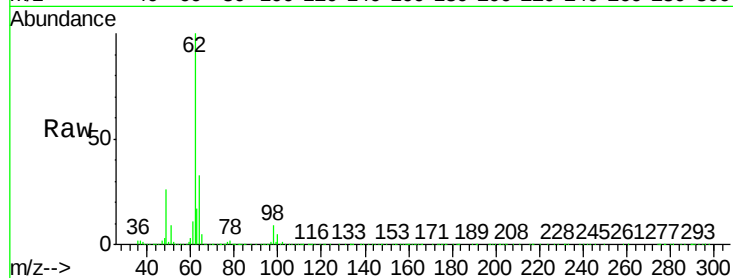




#41
 1,2-Dichloroethane
 Concen: 50.27 ug/l
 RT: 7.91 min Scan# 544
 Delta R.T. 0.00 min
 Lab File: VT019043.D
 Acq: 8 May 2018 18:48

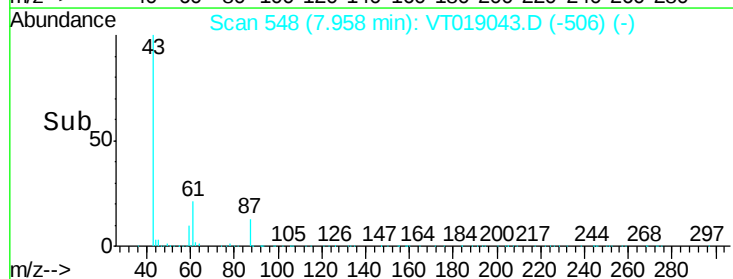
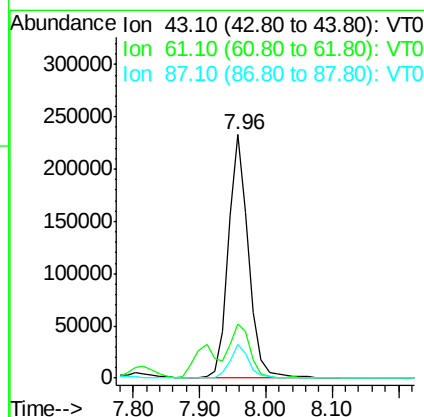
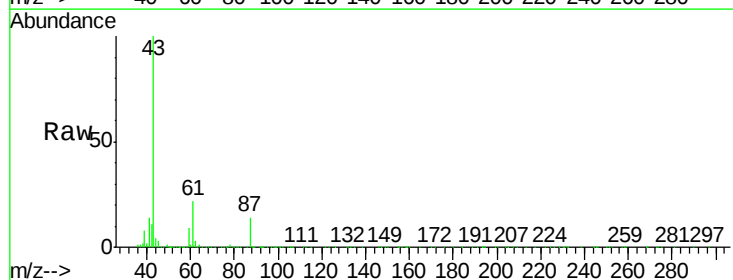
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDICCC050

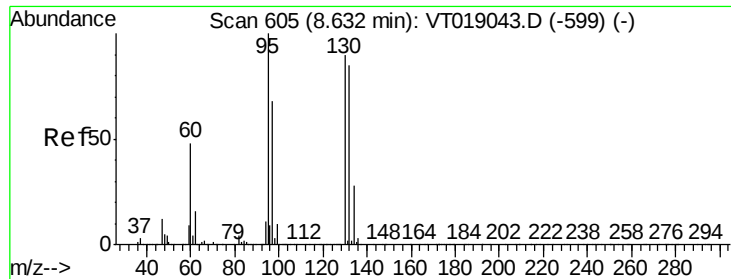
Tot Ion: 62 Resp: 625035
 Ion Ratio Lower Upper
 62 100
 98 8.7 0.0 17.4



#42
 Isopropyl Acetate
 Concen: 43.48 ug/l
 RT: 7.96 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VT019043.D
 Acq: 8 May 2018 18:48

Tgt Ion: 43 Resp: 492768
 Ion Ratio Lower Upper
 43 100
 61 22.4 17.9 26.9
 87 13.8 11.0 16.6





#43

Trichloroethene

Concen: 50.25 ug/l

RT: 8.63 min Scan# 605

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

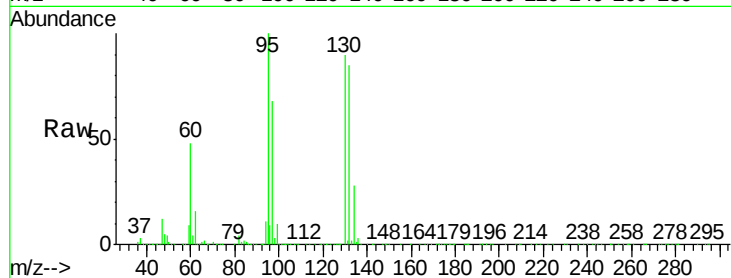
VSTDICCC050

Tot Ion:130 Resp: 658450

Ion Ratio Lower Upper

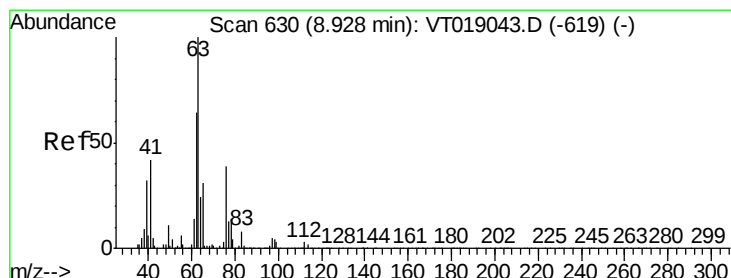
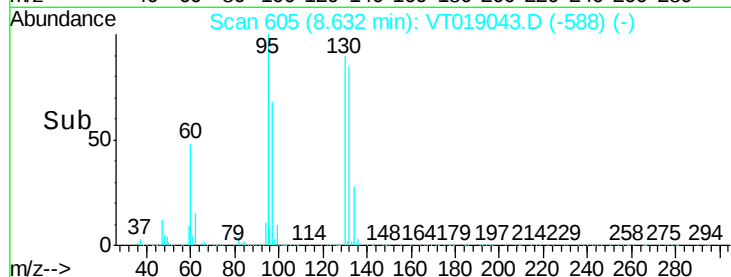
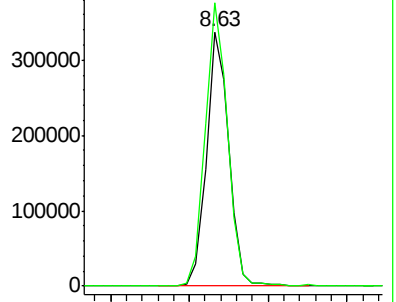
130 100

95 111.3 0.0 222.6



Abundance Ion 129.90 (129.60 to 130.60): VT0

Ion 95.00 (94.70 to 95.70): VT0



#44

1,2-Dichloropropane

Concen: 56.26 ug/l

RT: 8.93 min Scan# 630

Delta R.T. 0.00 min

Lab File: VT019043.D

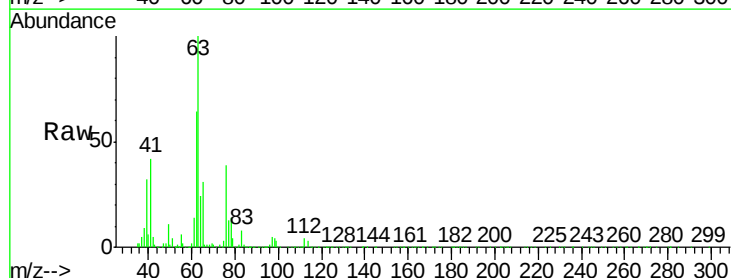
Acq: 8 May 2018 18:48

Tgt Ion: 63 Resp: 673605

Ion Ratio Lower Upper

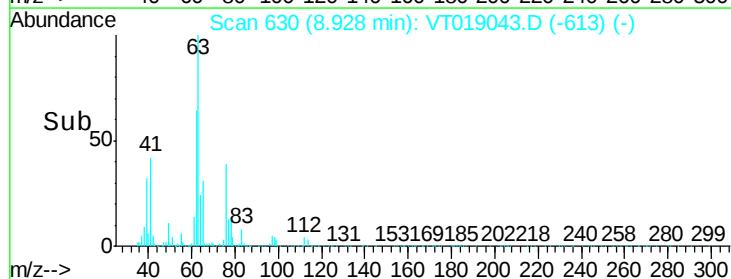
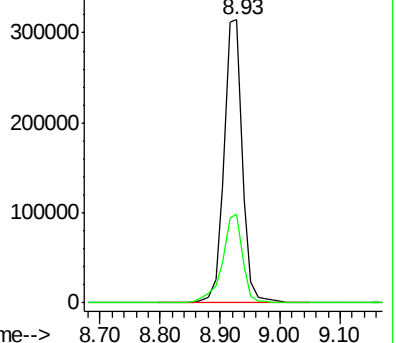
63 100

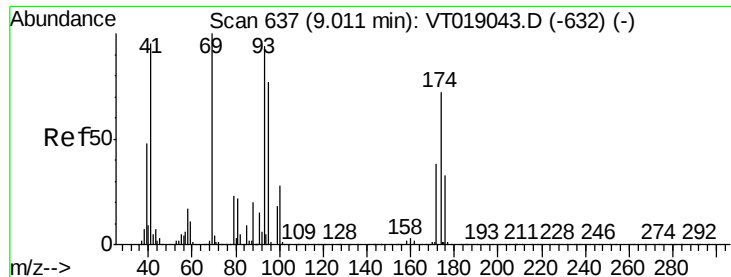
65 31.2 25.0 37.4



Abundance Ion 63.10 (62.80 to 63.80): VT0

Ion 65.10 (64.80 to 65.80): VT0

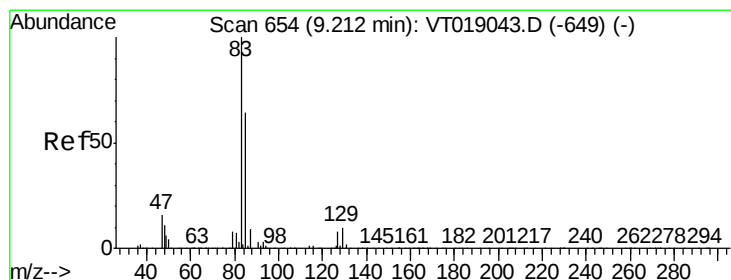
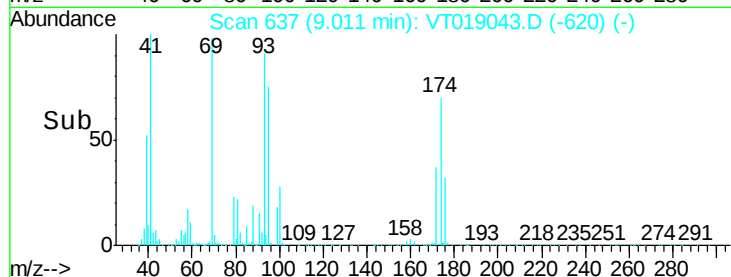
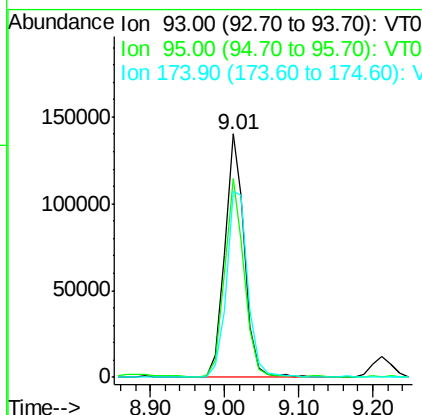
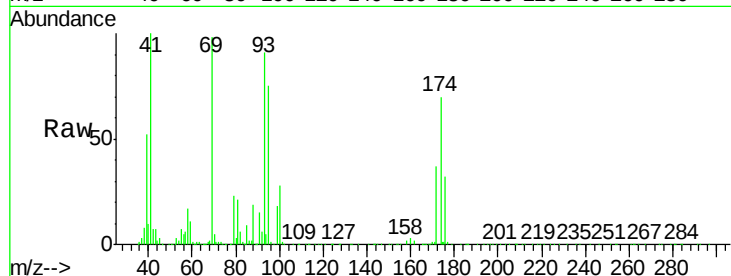




#45
Dibromomethane
Concen: 49.92 ug/l
RT: 9.01 min Scan# 637
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

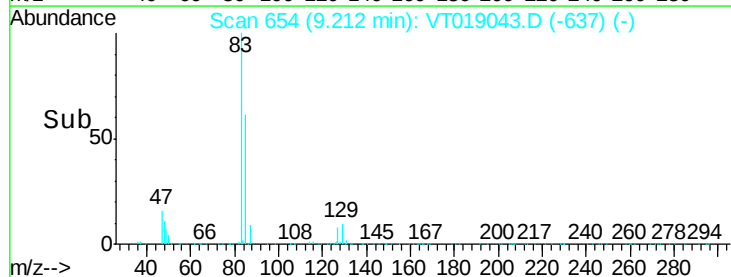
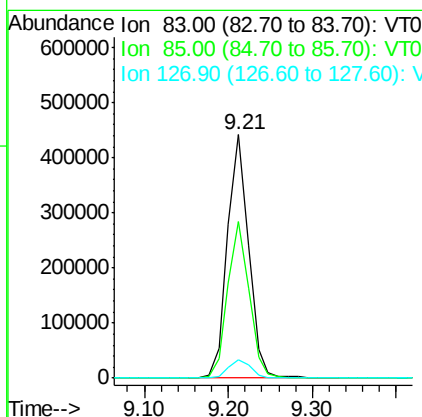
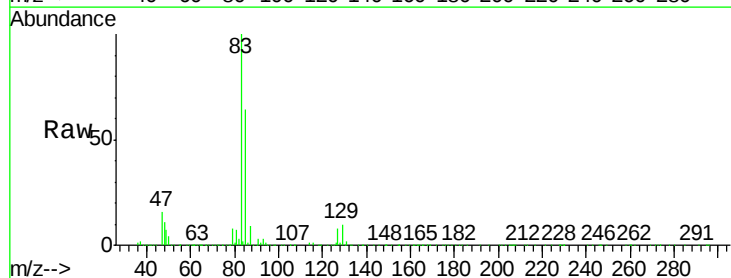
Instrument :
MSVOA_T
ClientSampleId :
VSTDICCC050

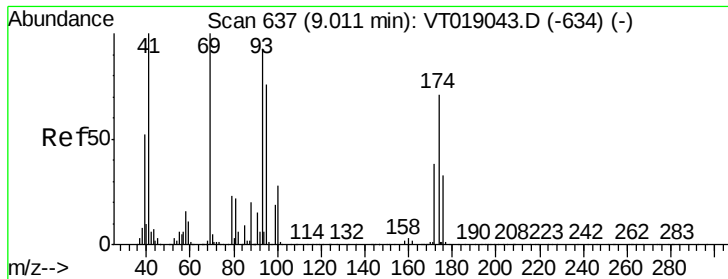
Tot Ion: 93 Resp: 262354
Ion Ratio Lower Upper
93 100
95 81.9 65.5 98.3
174 76.1 60.9 91.3



#46
Bromodichloromethane
Concen: 56.77 ug/l
RT: 9.21 min Scan# 654
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

Tgt Ion: 83 Resp: 776429
Ion Ratio Lower Upper
83 100
85 64.1 51.3 76.9
127 7.6 6.1 9.1

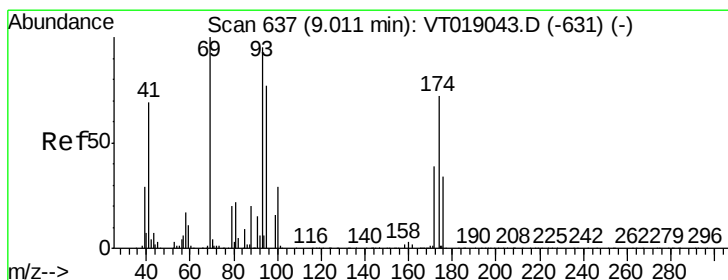
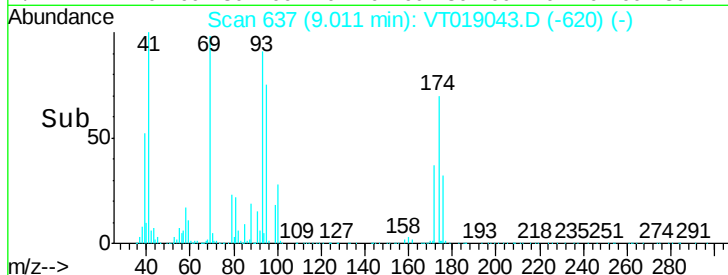
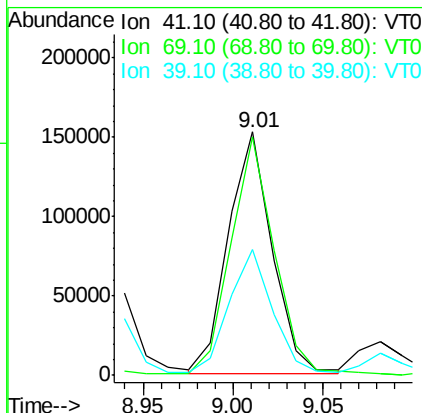
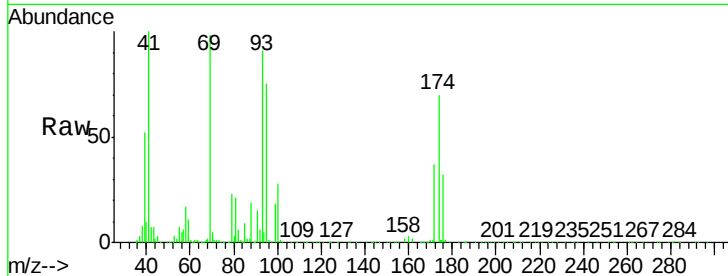




#47
Methvl methacrilate
Concen: 40.54 ug/l
RT: 9.01 min Scan# 637
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

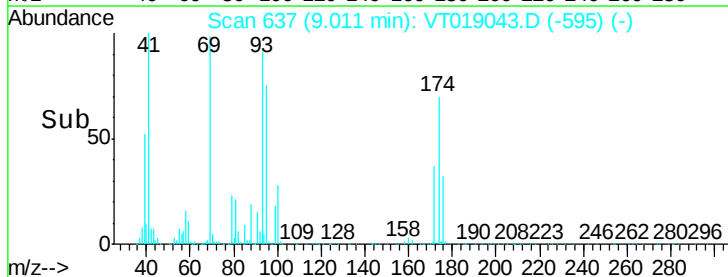
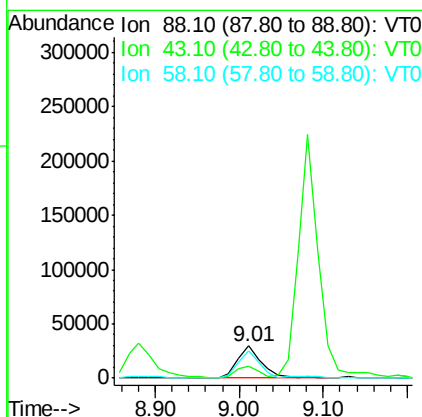
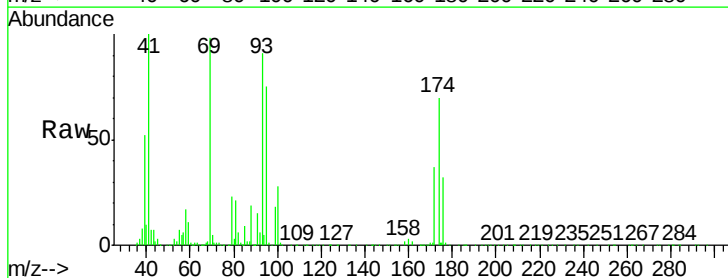
Instrument :
MSVOA_T
ClientSampleId :
VSTDICCC050

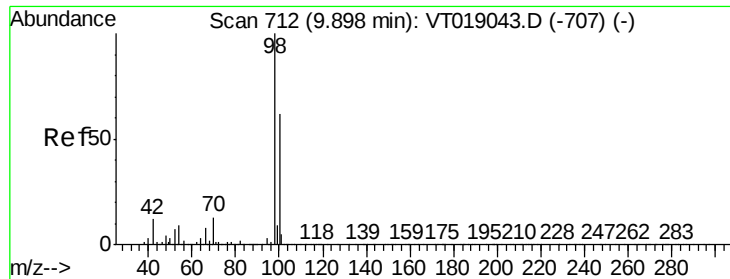
Tot Ion: 41 Resp: 260511
Ion Ratio Lower Upper
41 100
69 98.0 78.4 117.6
39 51.8 41.4 62.2



#48
1,4-Dioxane
Concen: 877.56 ug/l
RT: 9.01 min Scan# 637
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

Tgt Ion: 88 Resp: 62155
Ion Ratio Lower Upper
88 100
43 38.1 30.5 45.7
58 84.4 67.5 101.3





#49

Toluene-d8

Concen: 53.06 ug/l

RT: 9.90 min Scan# 712

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

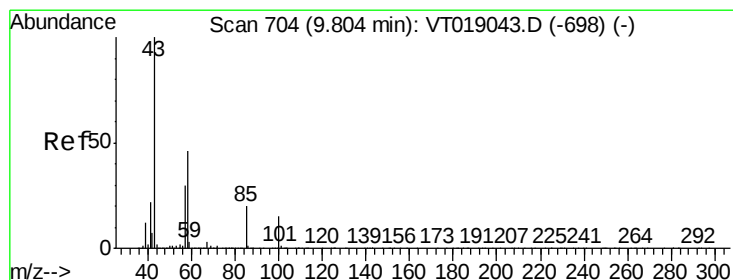
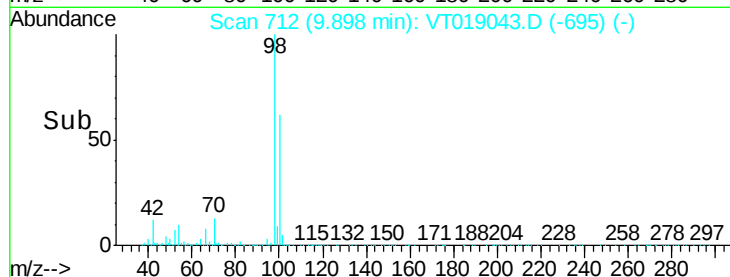
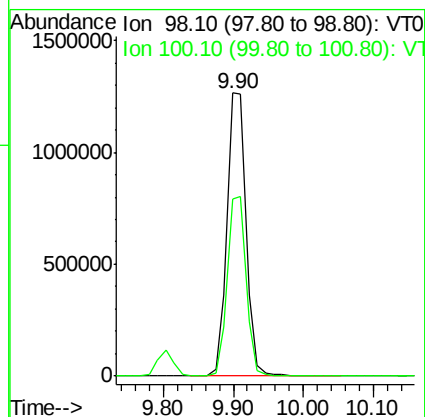
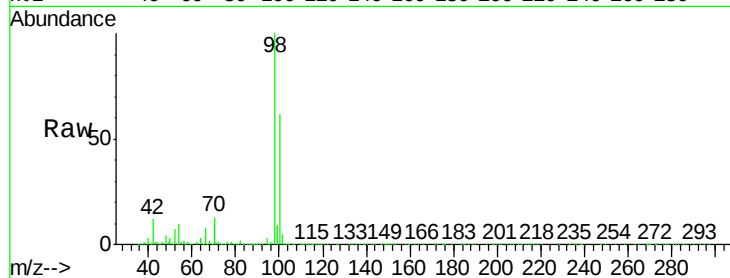
VSTDICCC050

Tot Ion: 98 Resp: 2390635

Ion Ratio Lower Upper

98 100

100 62.5 50.0 75.0



#50

4-Methyl-2-Pentanone

Concen: 204.40 ug/l

RT: 9.80 min Scan# 704

Delta R.T. 0.00 min

Lab File: VT019043.D

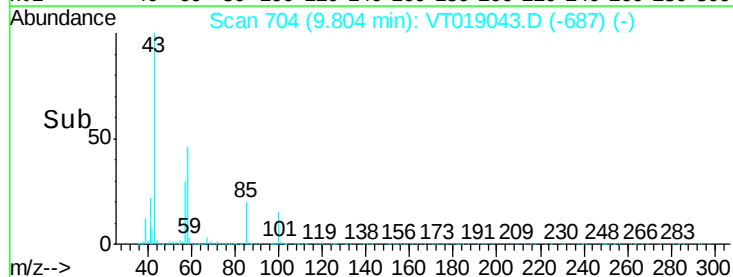
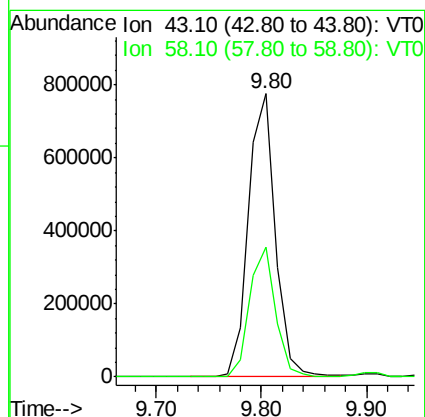
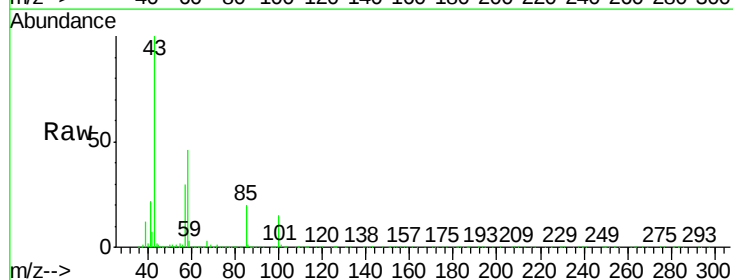
Acq: 8 May 2018 18:48

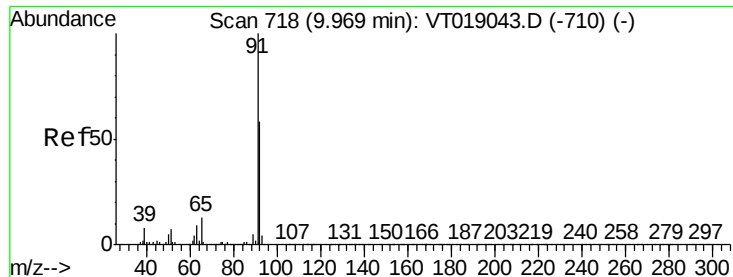
Tgt Ion: 43 Resp: 1373925

Ion Ratio Lower Upper

43 100

58 45.7 36.6 54.8





#51

Toluene

Concen: 53.33 ug/l

RT: 9.97 min Scan# 718

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

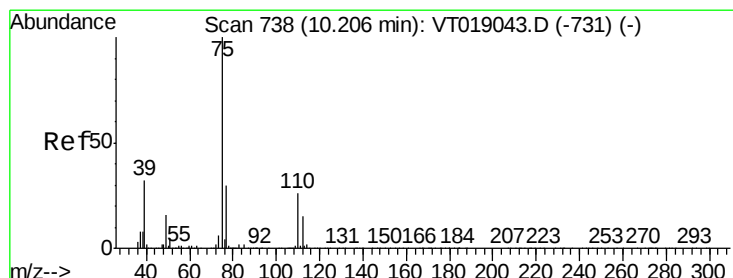
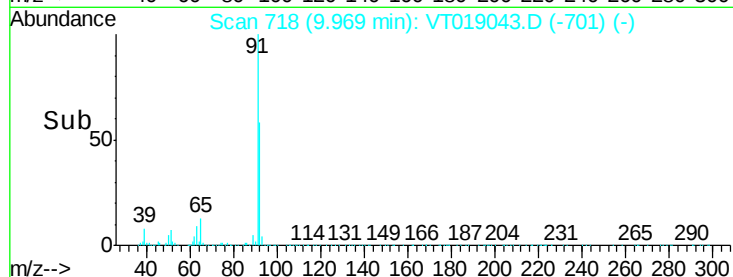
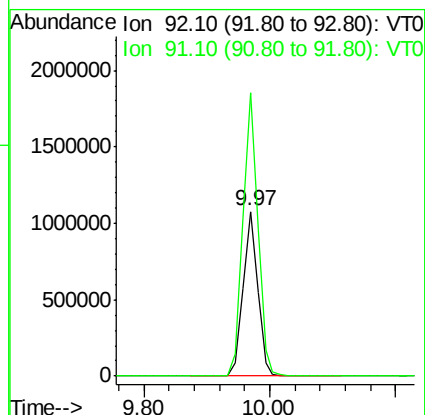
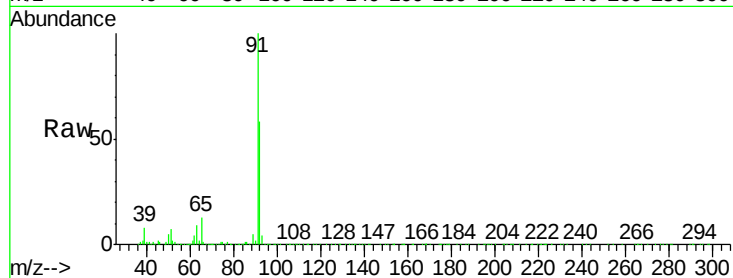
VSTDICCC050

Tot Ion: 92 Resp: 1709189

Ion Ratio Lower Upper

92 100

91 172.2 137.8 206.6



#52

t-1,3-Dichloropropene

Concen: 55.25 ug/l

RT: 10.21 min Scan# 738

Delta R.T. 0.00 min

Lab File: VT019043.D

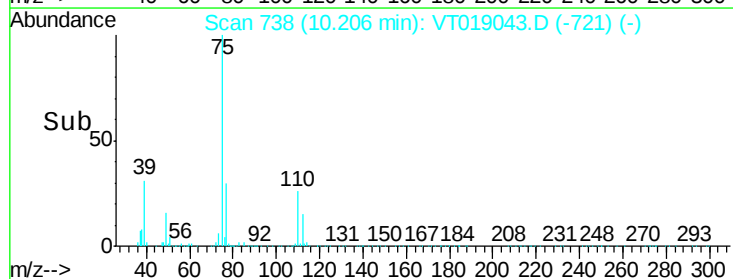
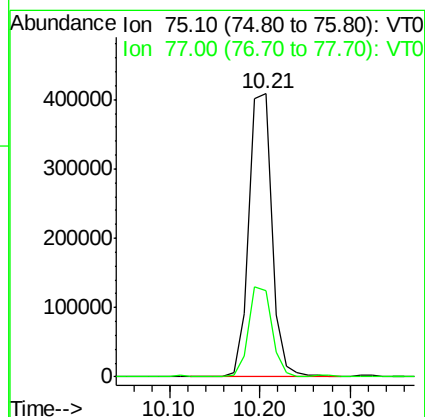
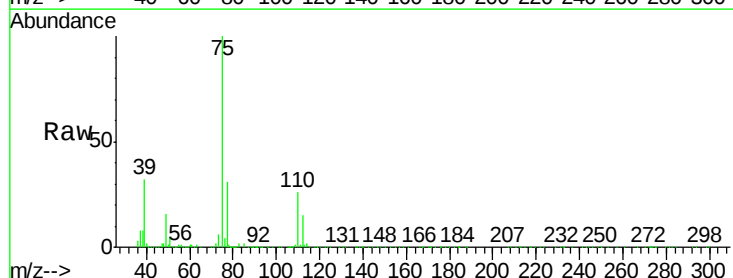
Acq: 8 May 2018 18:48

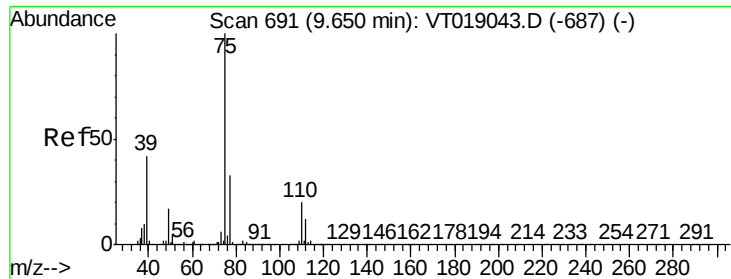
Tgt Ion: 75 Resp: 728197

Ion Ratio Lower Upper

75 100

77 30.7 24.6 36.8





#53

cis-1,3-Dichloropropene

Concen: 55.25 ug/l

RT: 9.65 min Scan# 691

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

VSTDICCC050

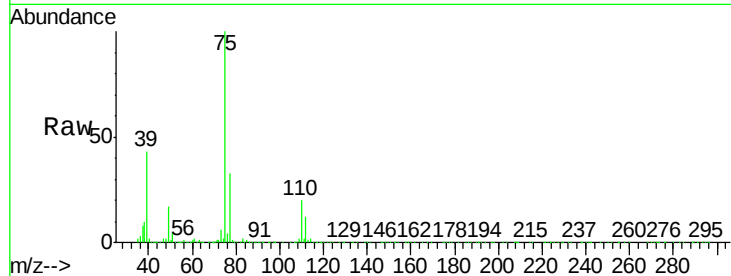
Tot Ion: 75 Resp: 919095

Ion Ratio Lower Upper

75 100

77 33.2 26.6 39.8

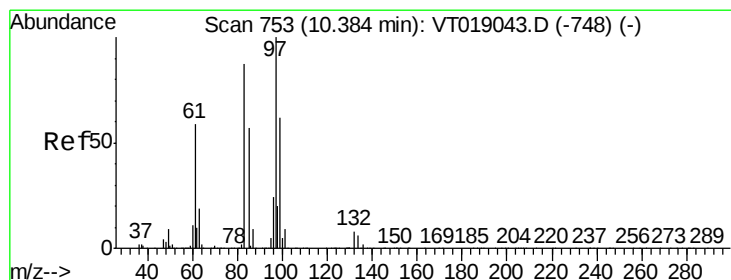
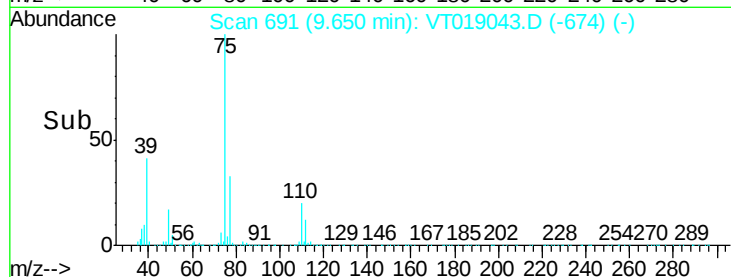
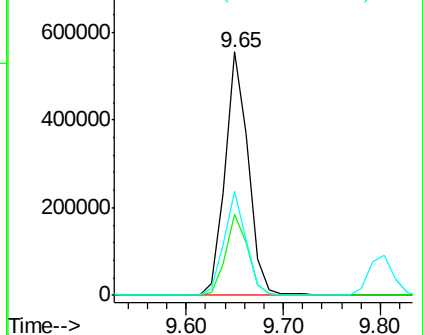
39 42.6 34.1 51.1



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 77.00 (76.70 to 77.70): VT0

Ion 39.10 (38.80 to 39.80): VT0



#54

1,1,2-Trichloroethane

Concen: 51.63 ug/l

RT: 10.38 min Scan# 753

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Tgt Ion: 97 Resp: 405228

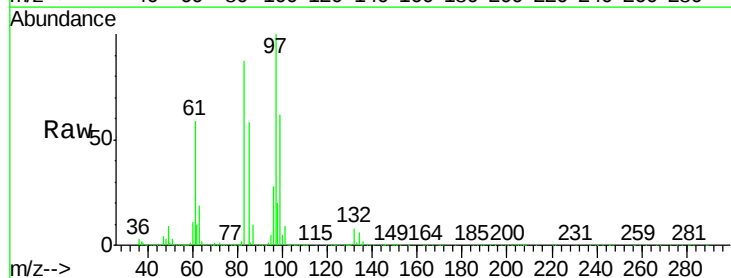
Ion Ratio Lower Upper

97 100

83 87.1 69.7 104.5

85 57.6 46.1 69.1

99 62.0 49.6 74.4

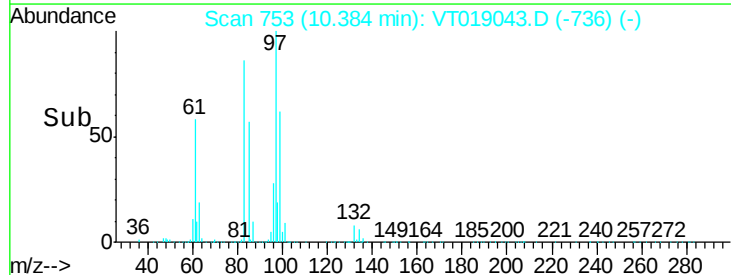
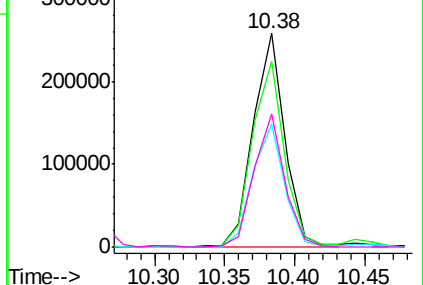


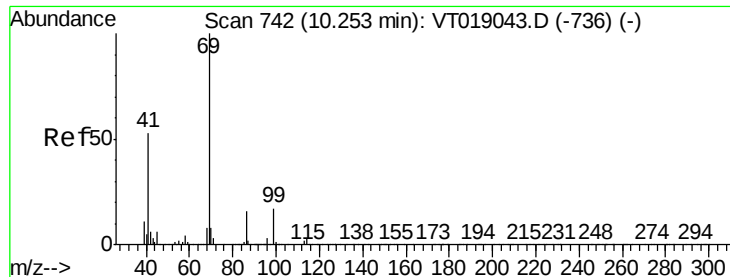
Abundance Ion 97.00 (96.70 to 97.70): VT0

Ion 83.00 (82.70 to 83.70): VT0

Ion 85.00 (84.70 to 85.70): VT0

Ion 99.00 (98.70 to 99.70): VT0





#55

Ethyl methacrylate

Concen: 53.07 ug/l

RT: 10.25 min Scan# 742

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

VSTDICCC050

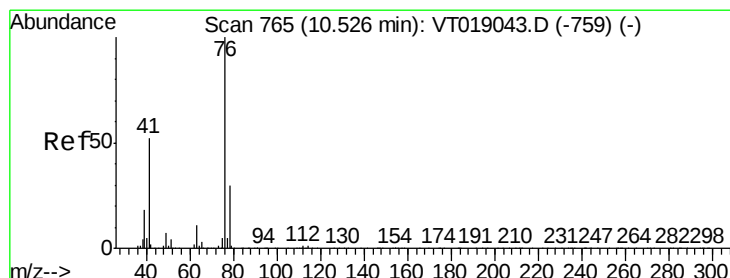
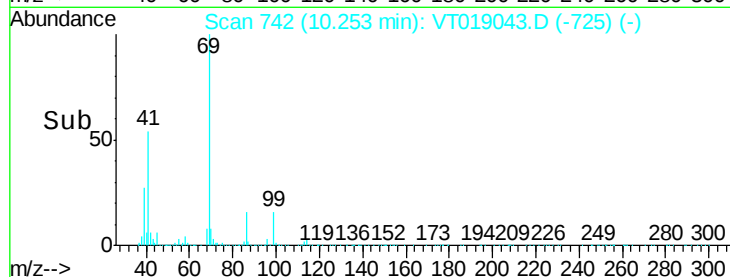
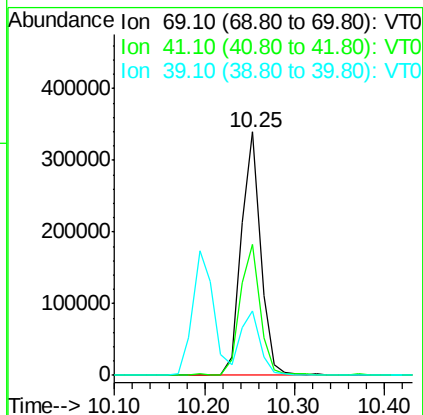
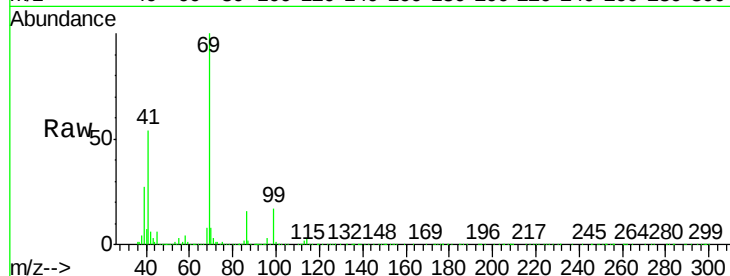
Tot Ion: 69 Resp: 508085

Ion Ratio Lower Upper

69 100

41 53.6 42.9 64.3

39 26.5 21.2 31.8



#56

1,3-Dichloropropane

Concen: 54.22 ug/l

RT: 10.53 min Scan# 765

Delta R.T. 0.00 min

Lab File: VT019043.D

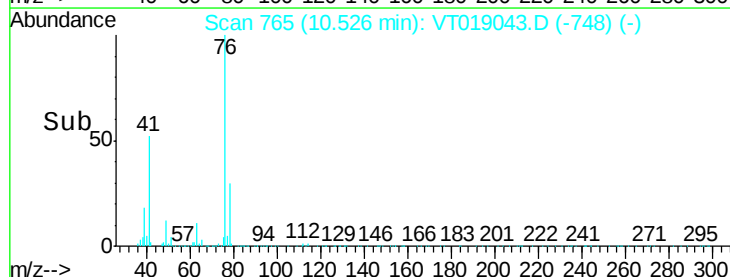
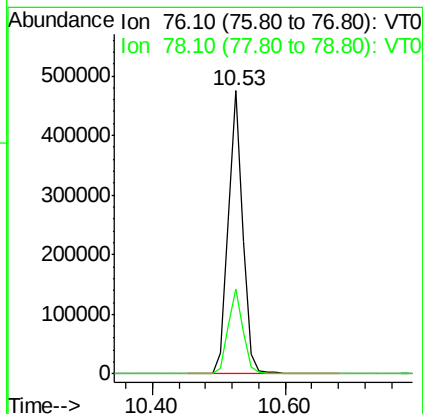
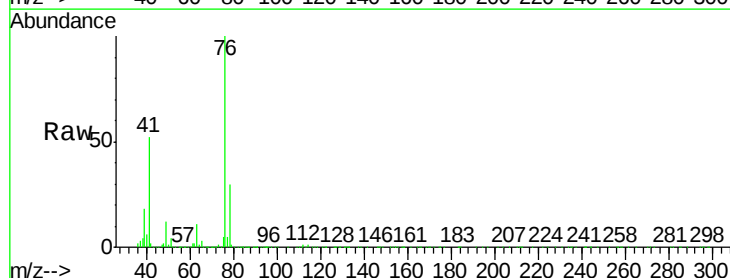
Acq: 8 May 2018 18:48

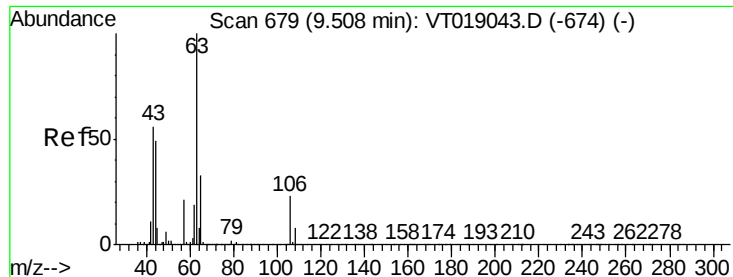
Tgt Ion: 76 Resp: 738719

Ion Ratio Lower Upper

76 100

78 30.1 24.1 36.1

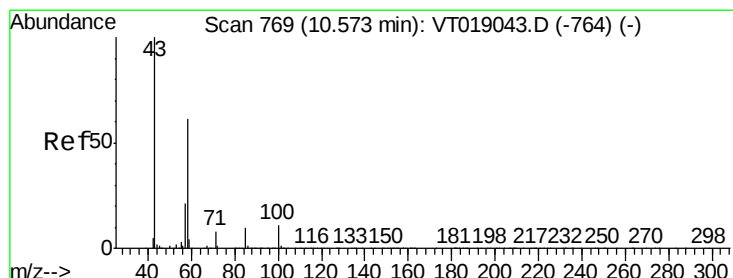
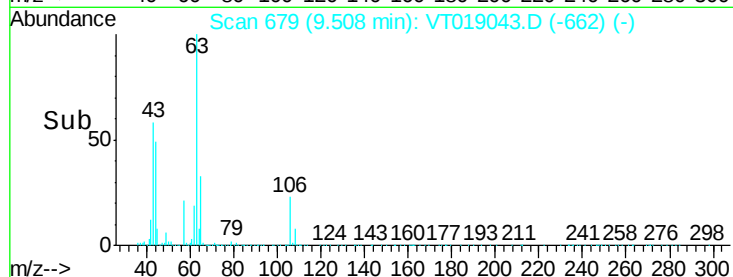
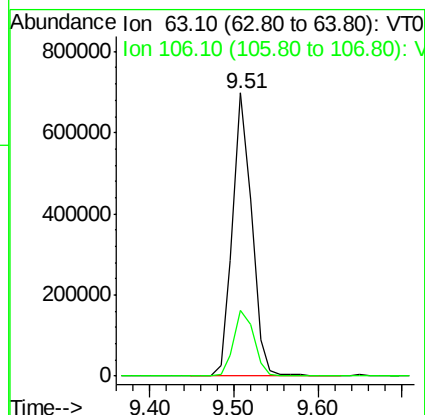
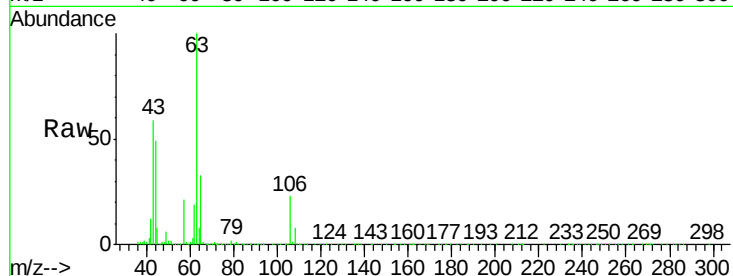




#57
2-Chloroethyl Vinyl ether
Concen: 279.73 ug/l
RT: 9.51 min Scan# 679
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

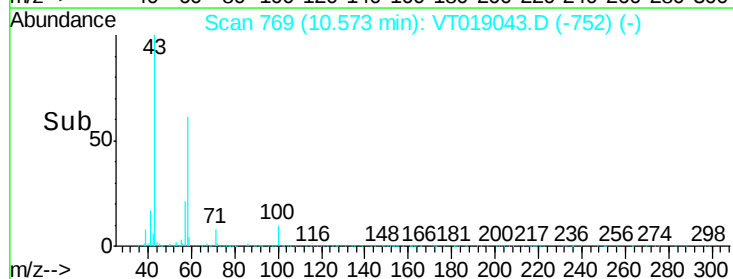
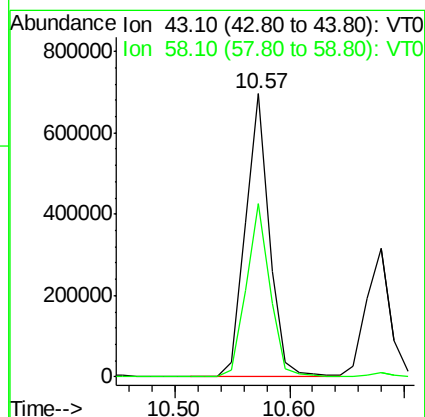
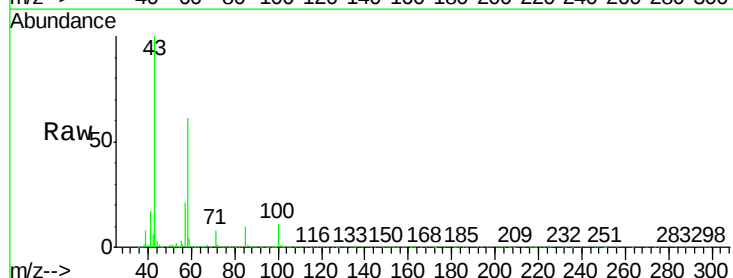
Instrument :
MSVOA_T
ClientSampleId :
VSTDICCC050

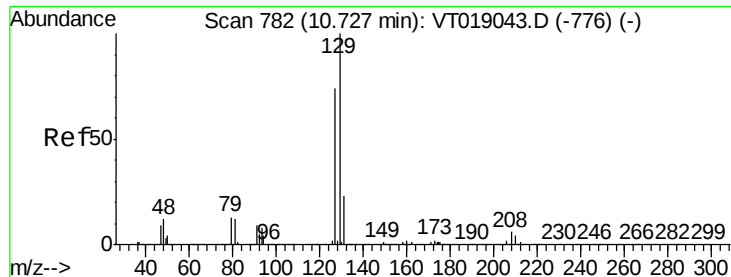
Tot Ion: 63 Resp: 111584
Ion Ratio Lower Upper
63 100
106 23.4 18.7 28.1



#58
2-Hexanone
Concen: 200.47 ug/l
RT: 10.57 min Scan# 769
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

Tgt Ion: 43 Resp: 1017643
Ion Ratio Lower Upper
43 100
58 61.3 30.6 92.0

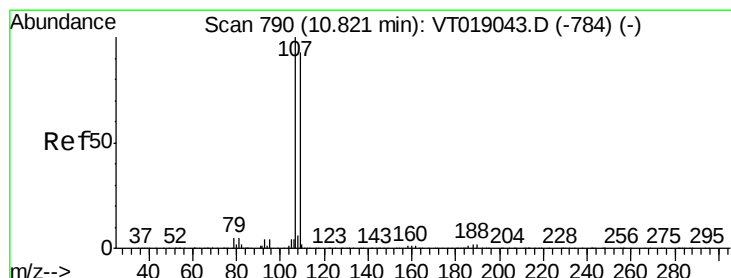
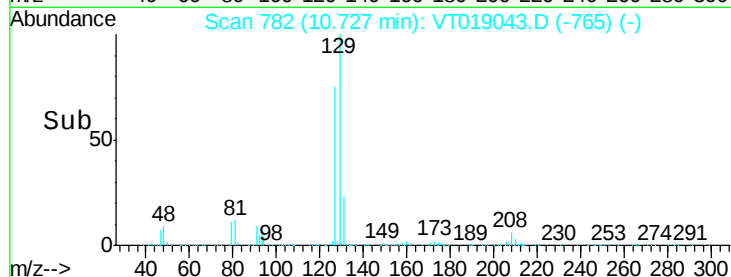
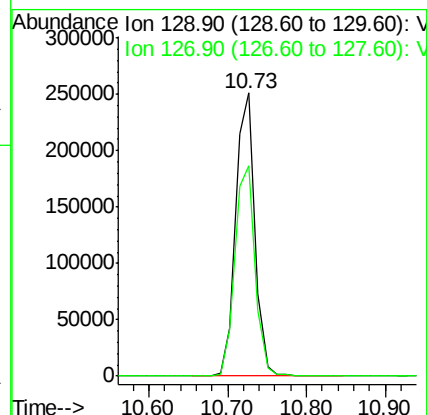
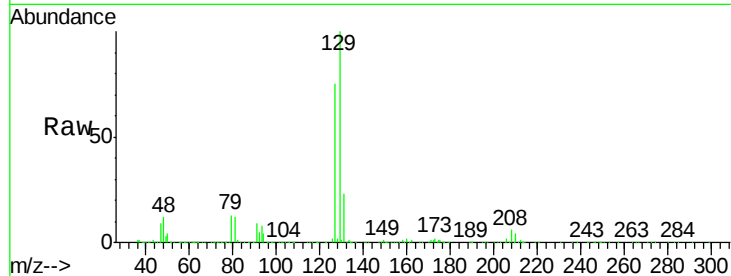




#59
 Dibromochloromethane
 Concen: 46.84 ug/l
 RT: 10.73 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VT019043.D
 Acq: 8 May 2018 18:48

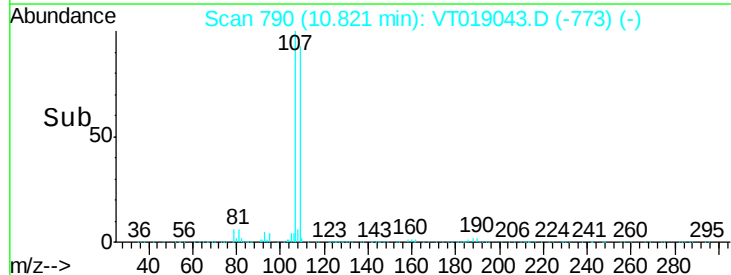
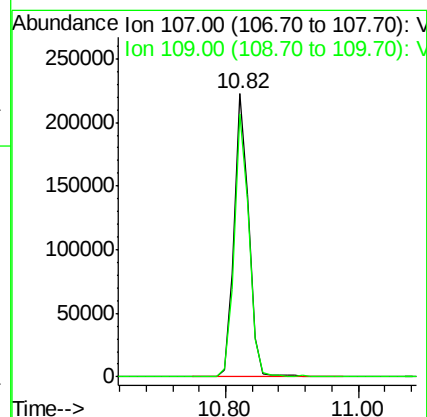
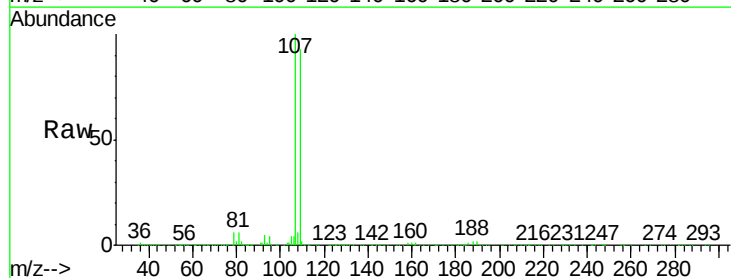
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDICCC050

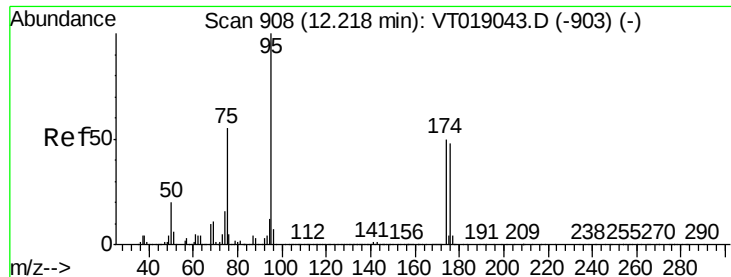
Tot Ion:129 Resp: 424160
 Ion Ratio Lower Upper
 129 100
 127 74.5 37.3 111.8



#60
 1,2-Dibromoethane
 Concen: 48.46 ug/l
 RT: 10.82 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: VT019043.D
 Acq: 8 May 2018 18:48

Tgt Ion:107 Resp: 350709
 Ion Ratio Lower Upper
 107 100
 109 92.9 74.3 111.5





#61

4-Bromofluorobenzene

Concen: 58.39 ug/l

RT: 12.22 min Scan# 908

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

VSTDICCC050

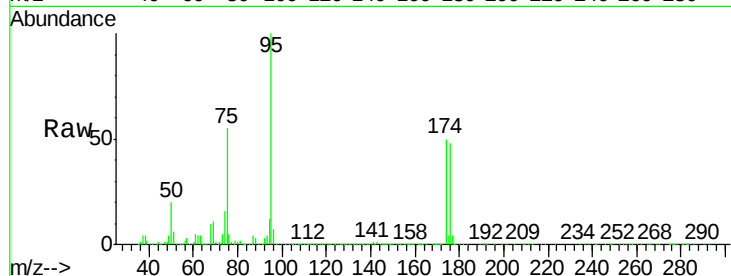
Tot Ion: 95 Resp: 910615

Ion Ratio Lower Upper

95 100

174 50.0 0.0 100.0

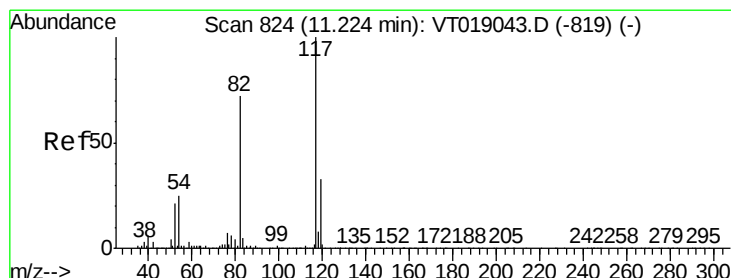
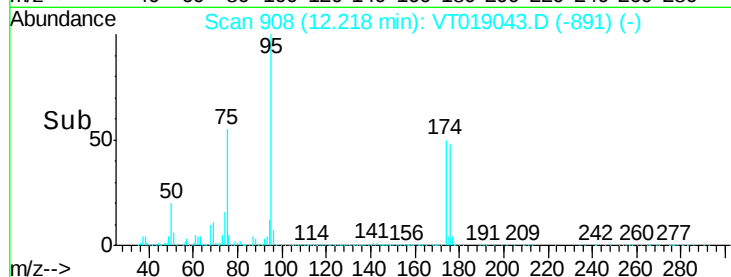
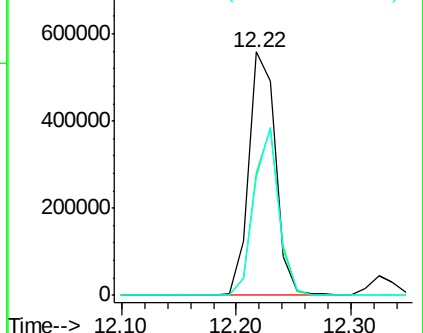
176 48.3 0.0 96.6



Abundance Ion 95.10 (94.80 to 95.80): VT0

Ion 174.00 (173.70 to 174.70): VT0

Ion 176.00 (175.70 to 176.70): VT0



#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.22 min Scan# 824

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

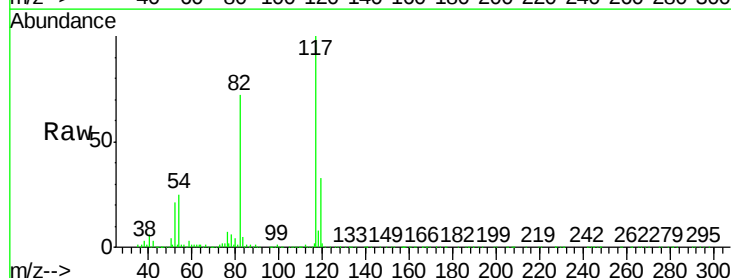
Tgt Ion: 117 Resp: 1640253

Ion Ratio Lower Upper

117 100

82 72.0 57.6 86.4

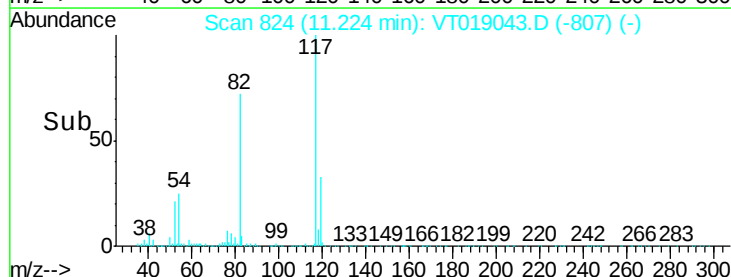
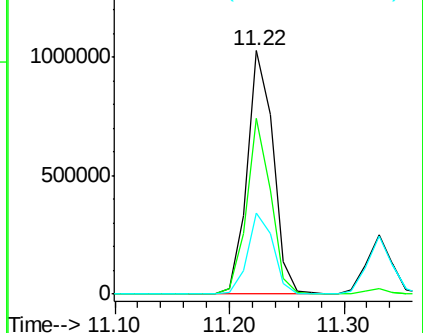
119 33.3 26.6 40.0

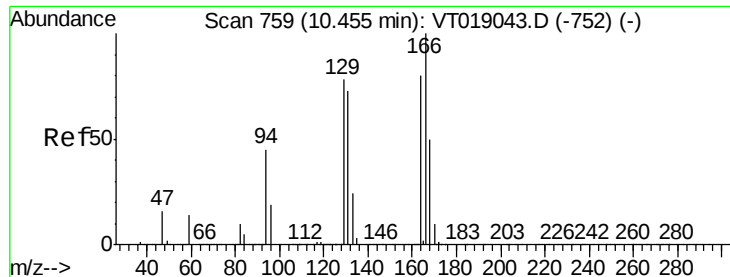


Abundance Ion 117.10 (116.80 to 117.80): VT0

Ion 82.10 (81.80 to 82.80): VT0

Ion 119.10 (118.80 to 119.80): VT0

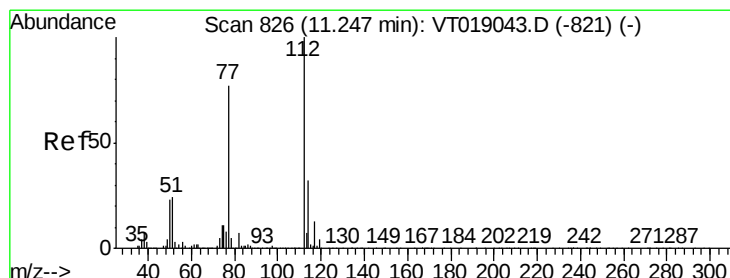
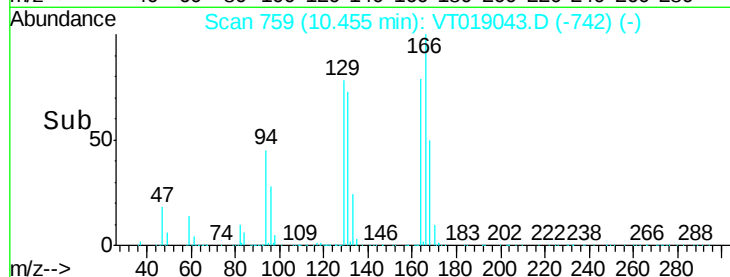
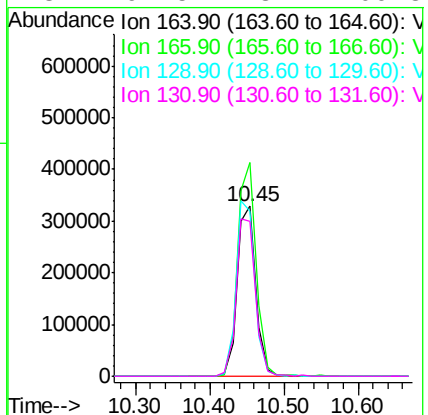
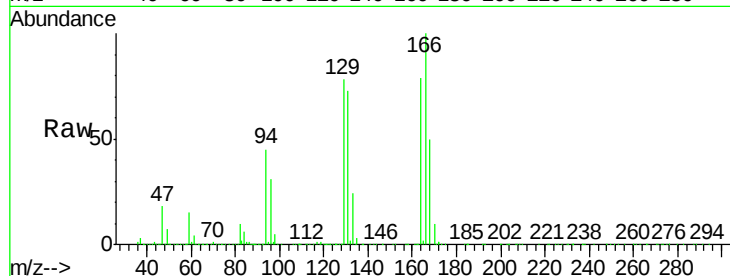




#63
Tetrachloroethene
Concen: 48.11 ug/l
RT: 10.45 min Scan# 759
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

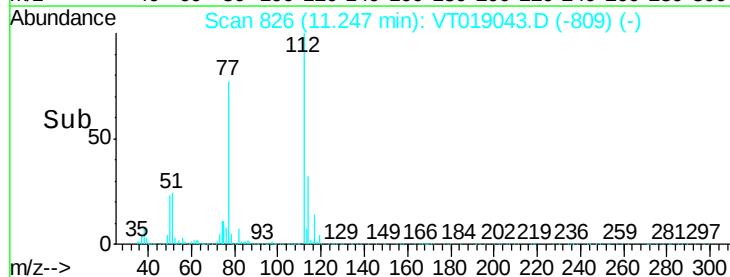
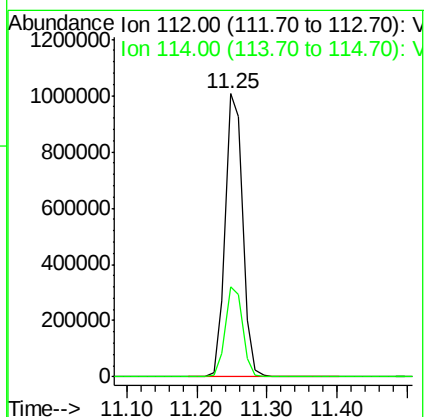
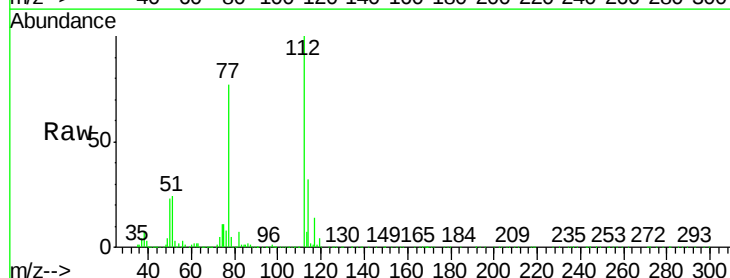
Instrument :
MSVOA_T
ClientSampleId :
VSTDICCC050

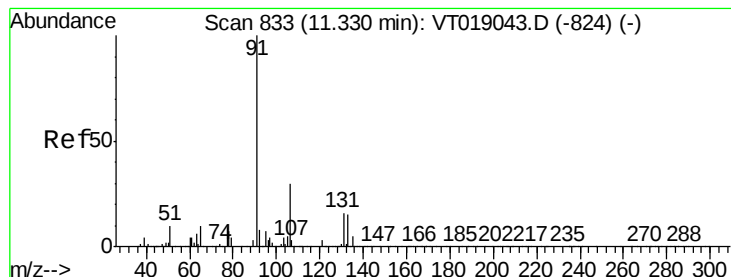
Tot Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.6	151.0
129	97.6	78.1	117.1
131	91.5	73.2	109.8



#64
Chlorobenzene
Concen: 49.37 ug/l
RT: 11.25 min Scan# 826
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.5	38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 50.37 ug/l

RT: 11.33 min Scan# 833

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

VSTDICCC050

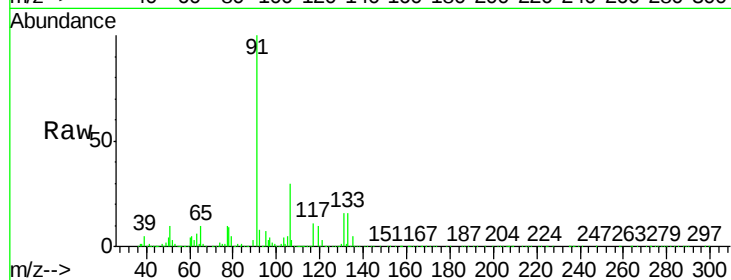
Tot Ion:131 Resp: 559542

Ion Ratio Lower Upper

131 100

133 95.5 47.8 143.3

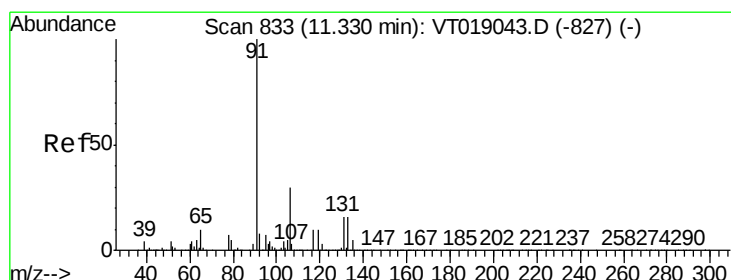
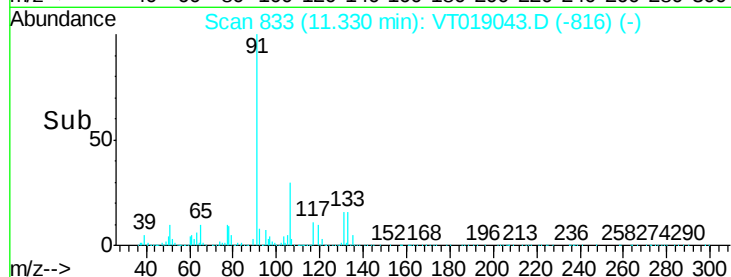
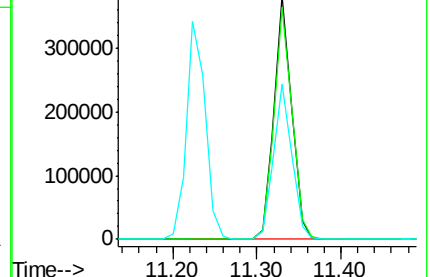
119 63.6 31.8 95.4



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.90 (118.60 to 119.60): V



#66

Ethyl Benzene

Concen: 57.93 ug/l

RT: 11.33 min Scan# 833

Delta R.T. 0.00 min

Lab File: VT019043.D

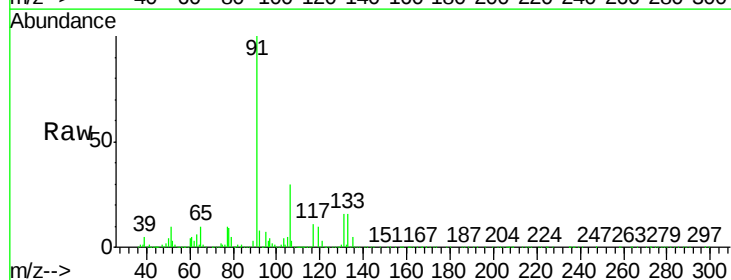
Acq: 8 May 2018 18:48

Tgt Ion: 91 Resp: 3570785

Ion Ratio Lower Upper

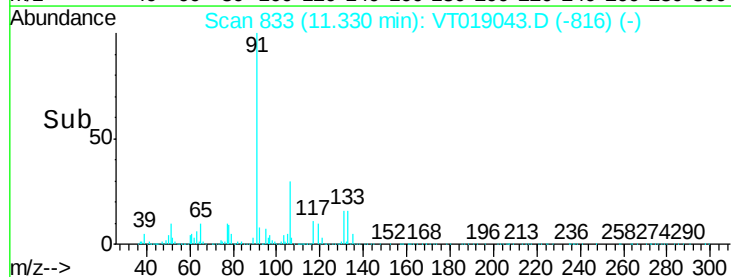
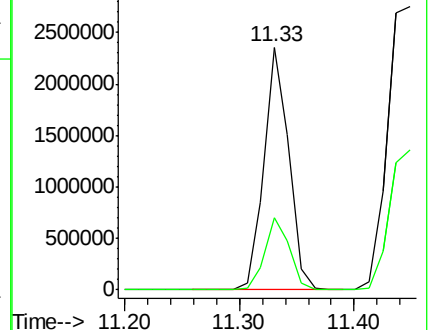
91 100

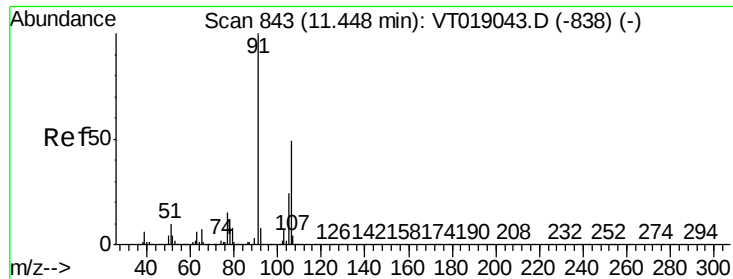
106 30.0 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 106.10 (105.80 to 106.80): V

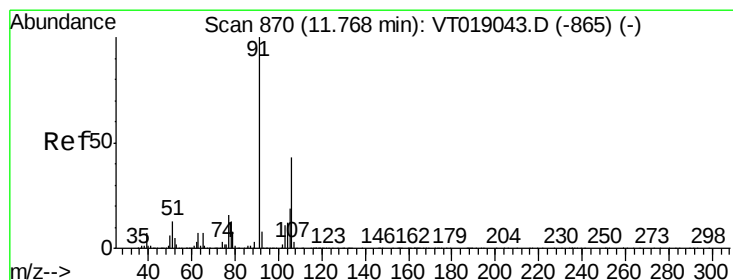
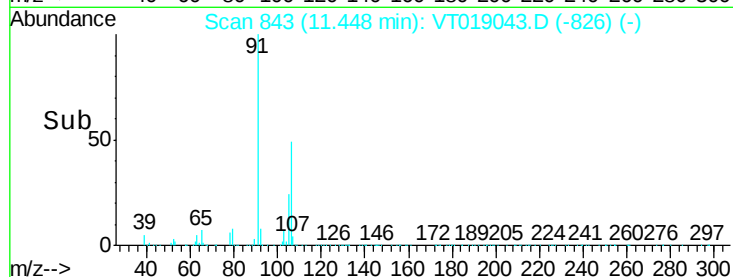
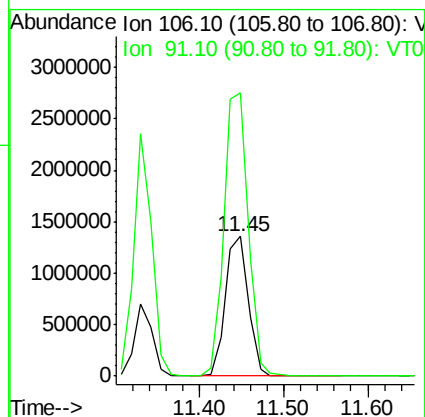
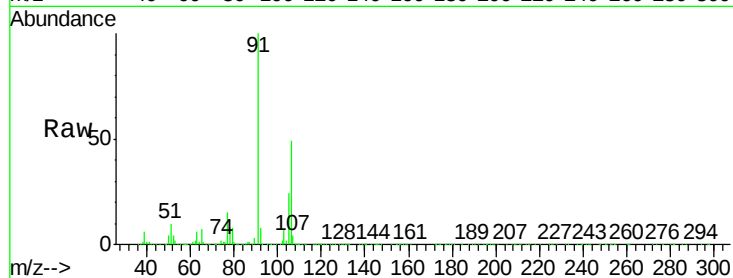




#67
m/p-Xvlenes
Concen: 105.02 ug/l
RT: 11.45 min Scan# 843
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

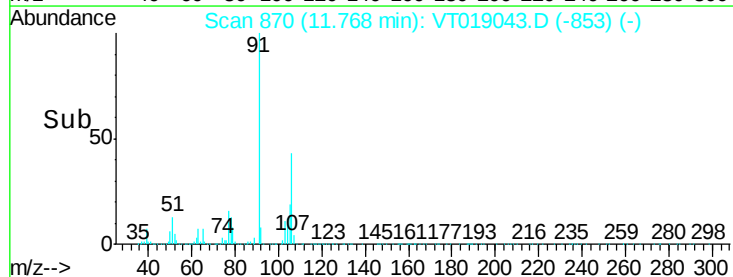
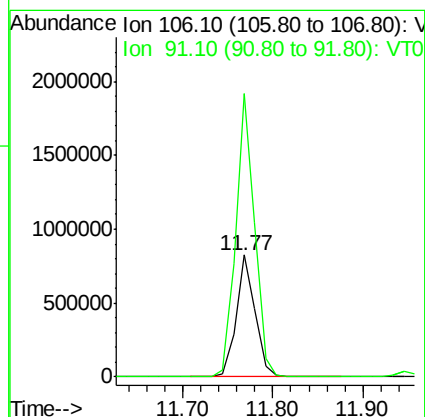
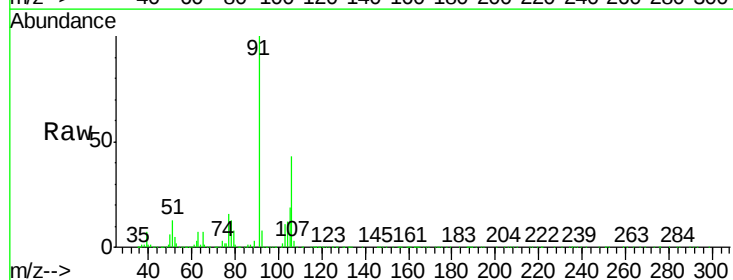
Instrument :
MSVOA_T
ClientSampleId :
VSTDICCC050

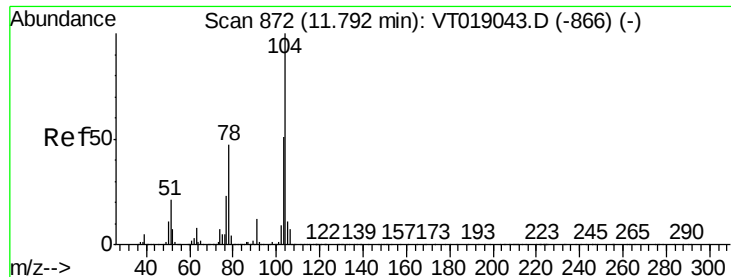
Tot Ion:106 Resp: 2585971
Ion Ratio Lower Upper
106 100
91 202.8 162.2 243.4



#68
o-Xylene
Concen: 53.34 ug/l
RT: 11.77 min Scan# 870
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

Tgt Ion:106 Resp: 1196822
Ion Ratio Lower Upper
106 100
91 232.0 116.0 348.0

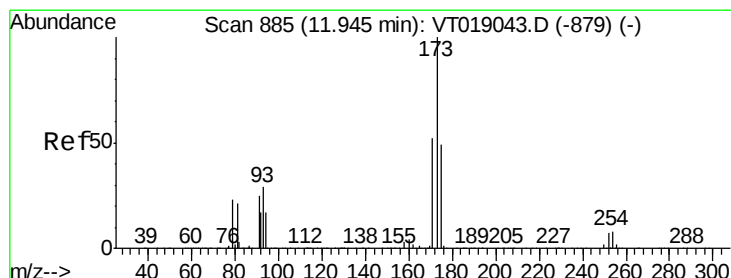
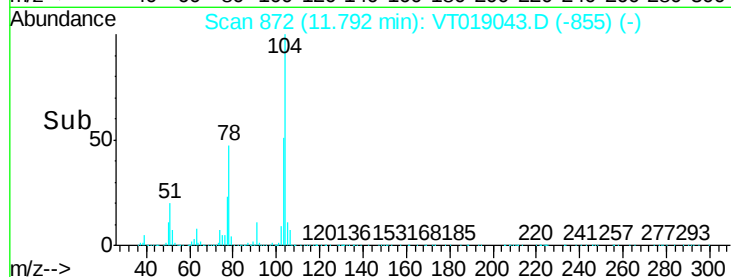
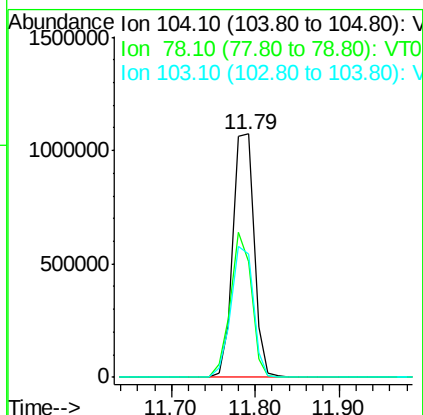
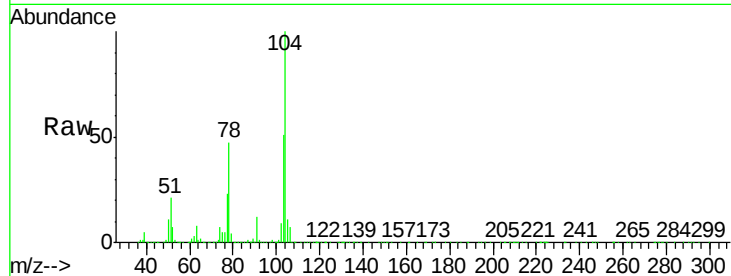




#69
Stvrene
Concen: 50.25 ug/l
RT: 11.79 min Scan# 872
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

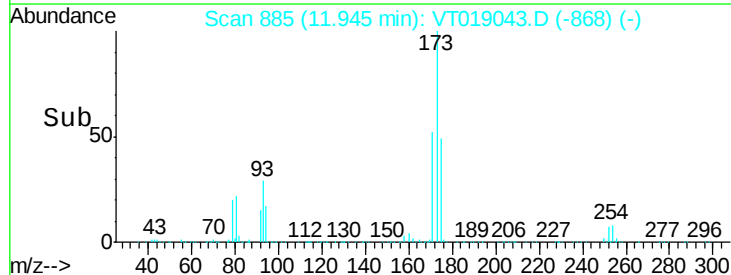
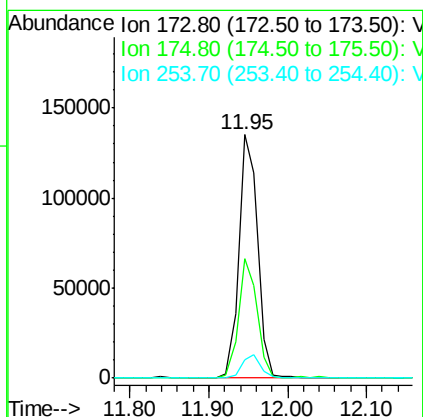
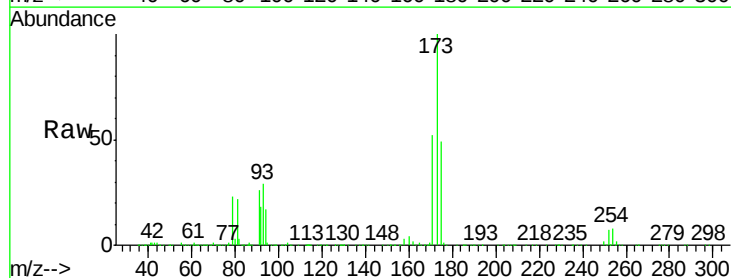
Instrument :
MSVOA_T
ClientSampleId :
VSTDICCC050

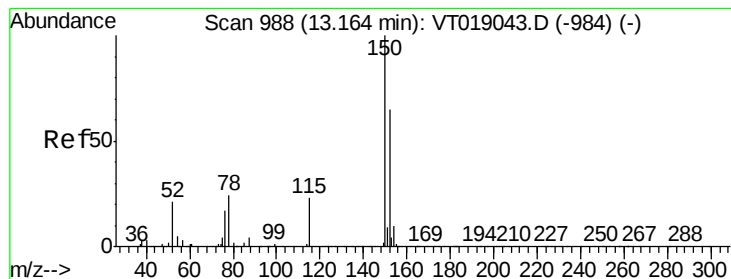
Tot Ion:104 Resp: 1876930
Ion Ratio Lower Upper
104 100
78 47.5 38.0 57.0
103 50.8 40.6 61.0



#70
Bromoform
Concen: 39.42 ug/l
RT: 11.95 min Scan# 885
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

Tgt Ion:173 Resp: 222690
Ion Ratio Lower Upper
173 100
175 49.2 24.6 73.8
254 7.6 6.1 9.1





#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.16 min Scan# 988

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

VSTDICCC050

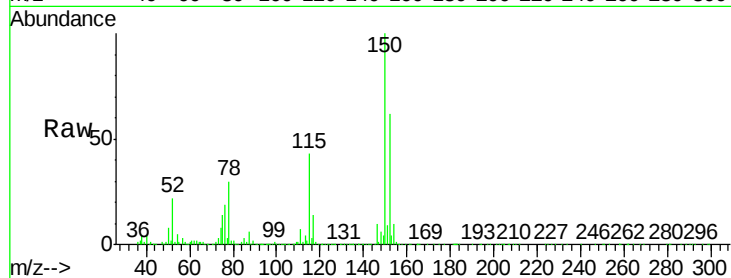
Tot Ion:152 Resp: 792875

Ion Ratio Lower Upper

152 100

115 68.4 34.2 102.6

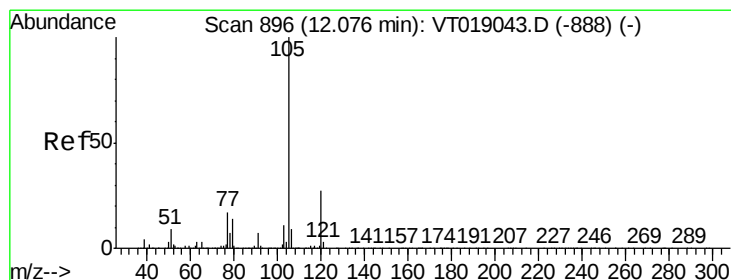
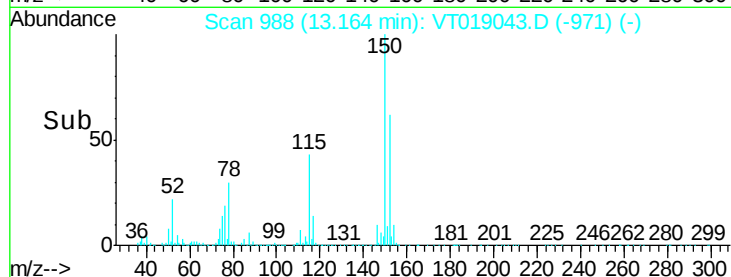
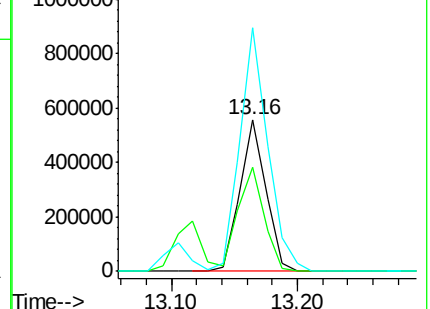
150 160.6 0.0 321.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#72

Isopropylbenzene

Concen: 60.42 ug/l

RT: 12.08 min Scan# 896

Delta R.T. 0.00 min

Lab File: VT019043.D

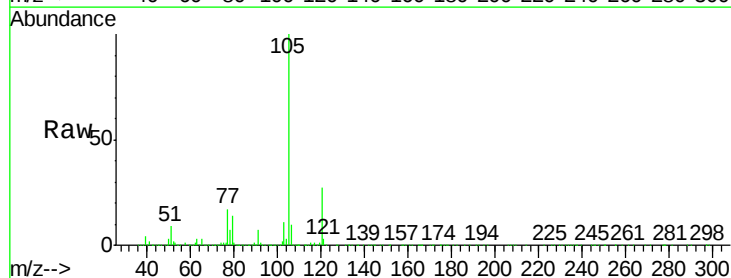
Acq: 8 May 2018 18:48

Tgt Ion:105 Resp: 3537214

Ion Ratio Lower Upper

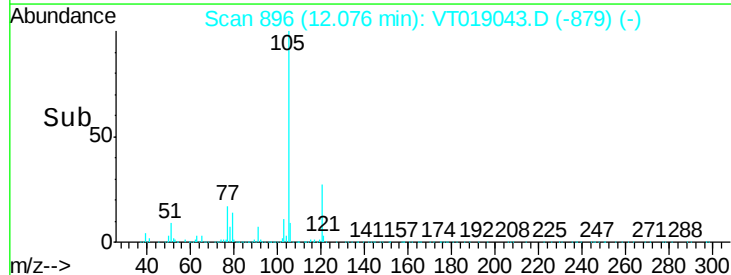
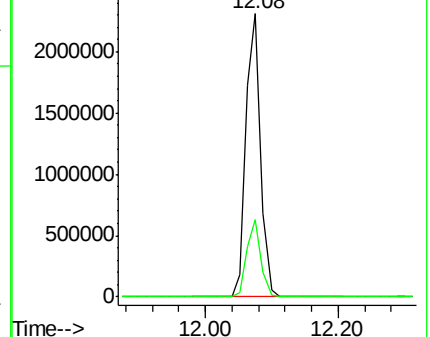
105 100

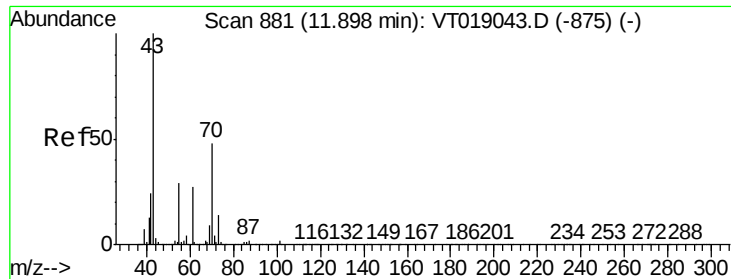
120 27.2 13.6 40.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V

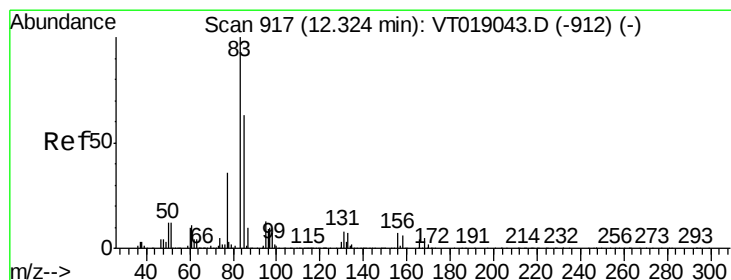
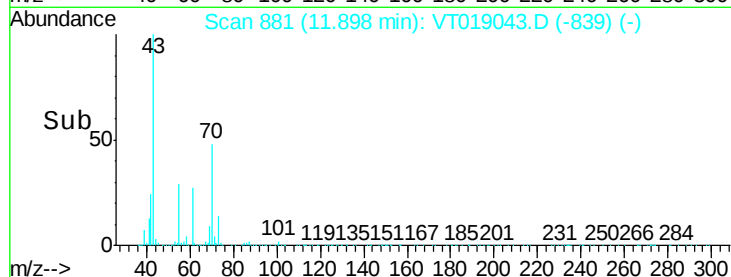
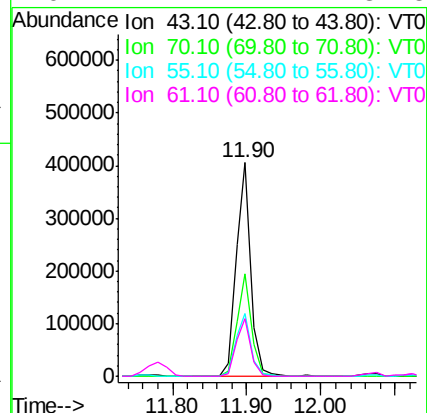
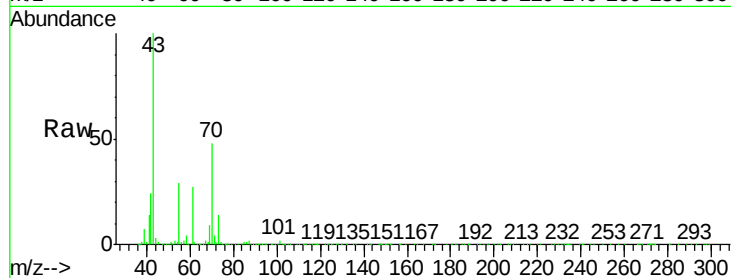




#73
N-amvl acetate
Concen: 50.40 ug/l
RT: 11.90 min Scan# 881
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

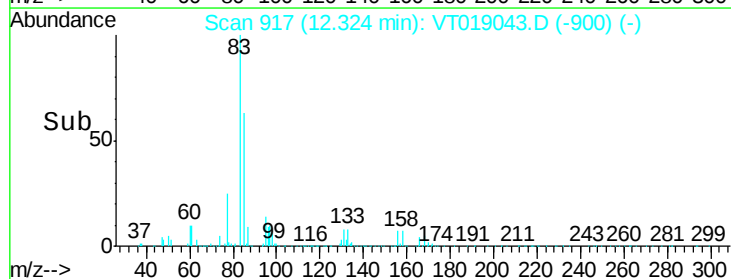
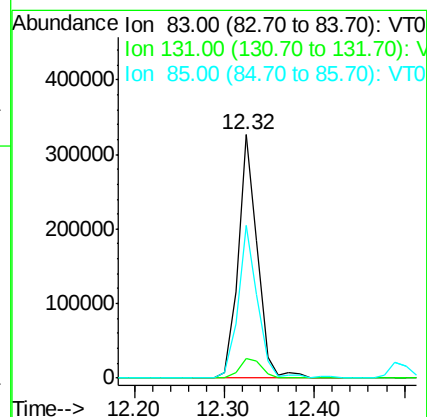
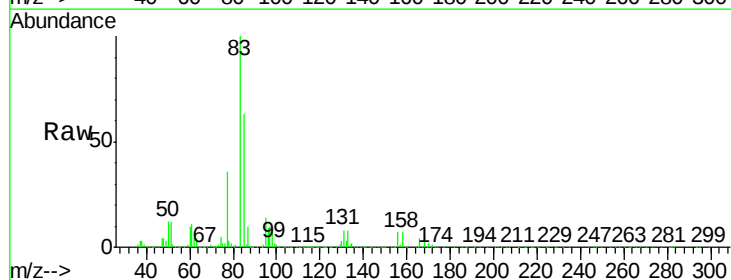
Instrument :
MSVOA_T
ClientSampleId :
VSTDICCC050

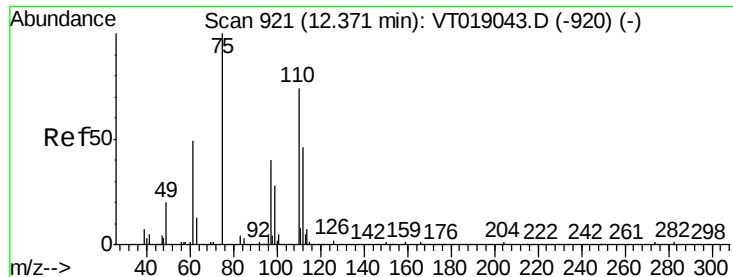
Tot Ion:	43	Resp:	564182
Ion	Ratio	Lower	Upper
43	100		
70	47.8	38.2	57.4
55	29.4	23.5	35.3
61	27.1	21.7	32.5



#74
1,1,2,2-Tetrachloroethane
Concen: 54.27 ug/l
RT: 12.32 min Scan# 917
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

Tgt Ion:	83	Resp:	484413
Ion	Ratio	Lower	Upper
83	100		
131	8.1	4.0	12.2
85	62.9	31.4	94.3





#75

1,2,3-Trichloropropane

Concen: 54.81 ug/l m

RT: 12.37 min Scan# 921

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

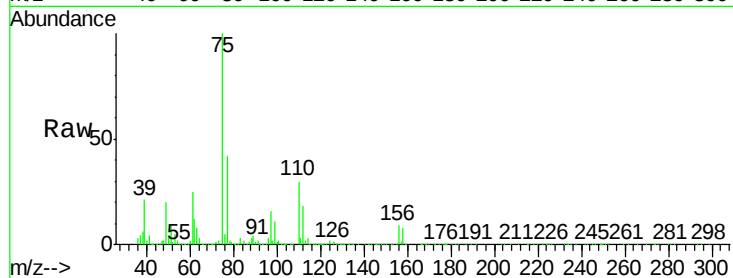
VSTDICCC050

Tot Ion: 75 Resp: 343309

Ion Ratio Lower Upper

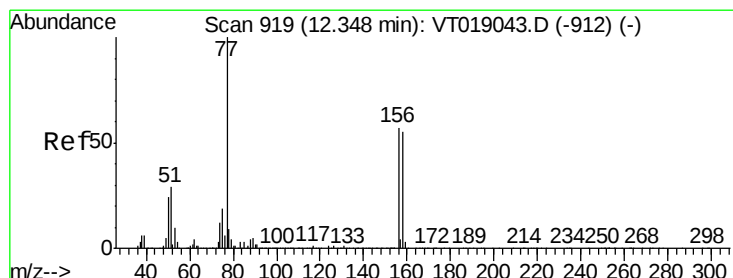
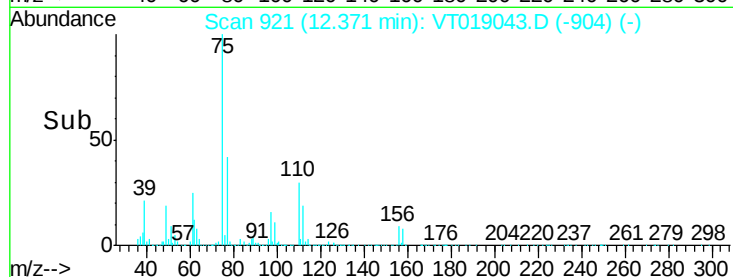
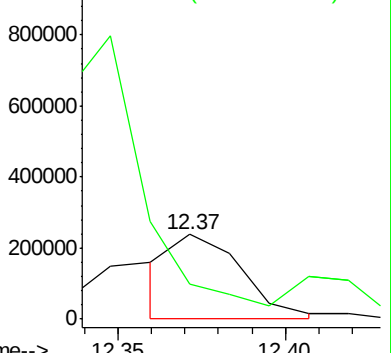
75 100

77 42.1 21.1 63.1



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 77.10 (76.80 to 77.80): VT0



#76

Bromobenzene

Concen: 50.87 ug/l

RT: 12.35 min Scan# 919

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

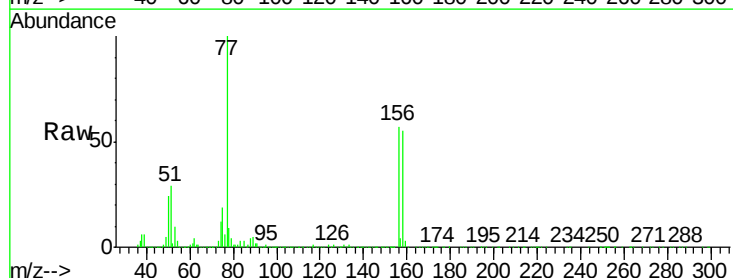
Tgt Ion: 156 Resp: 661420

Ion Ratio Lower Upper

156 100

77 175.6 87.8 263.4

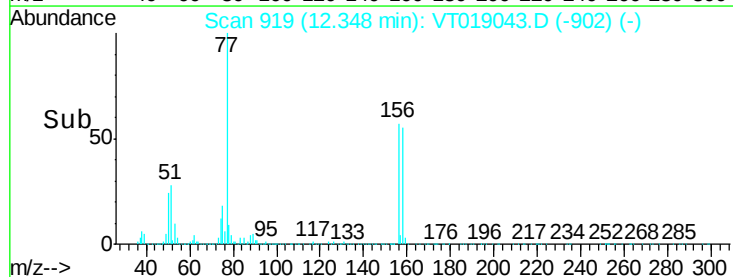
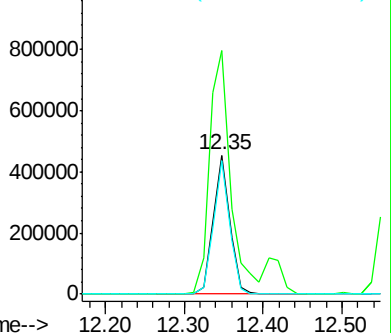
158 96.5 48.3 144.8

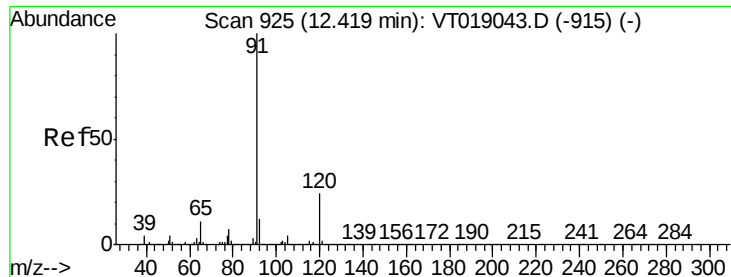


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.10 (76.80 to 77.80): VT0

Ion 158.00 (157.70 to 158.70): V





#77

n-propylbenzene

Concen: 62.84 ug/l

RT: 12.42 min Scan# 925

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

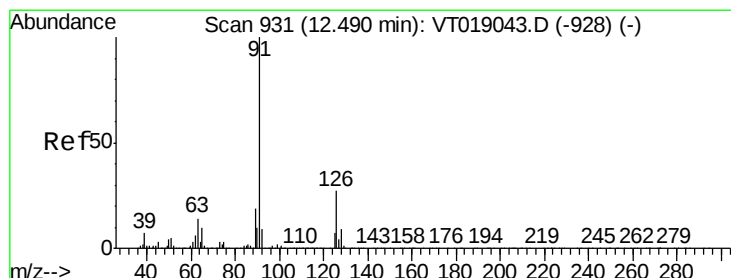
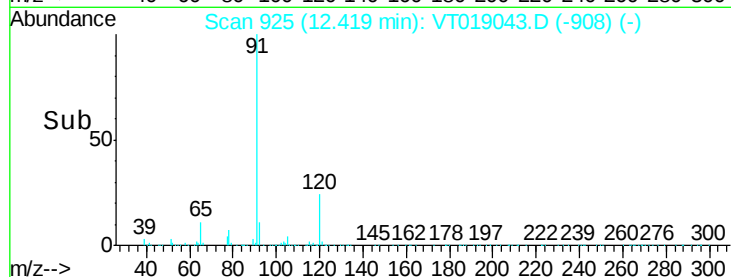
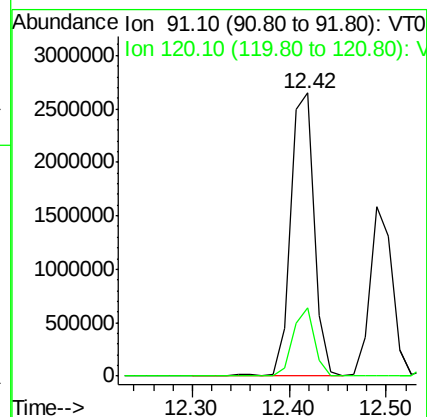
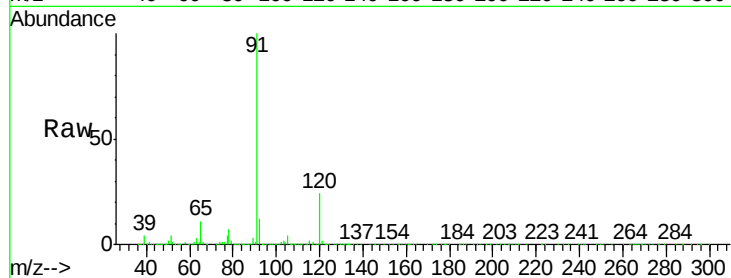
VSTDICCC050

Tot Ion: 91 Resp: 4439020

Ion Ratio Lower Upper

91 100

120 24.1 12.0 36.1



#78

2-Chlorotoluene

Concen: 63.31 ug/l

RT: 12.49 min Scan# 931

Delta R.T. 0.00 min

Lab File: VT019043.D

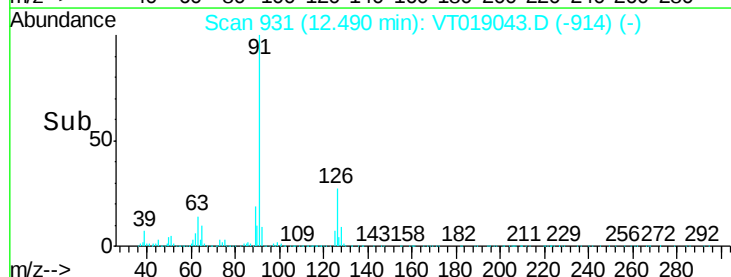
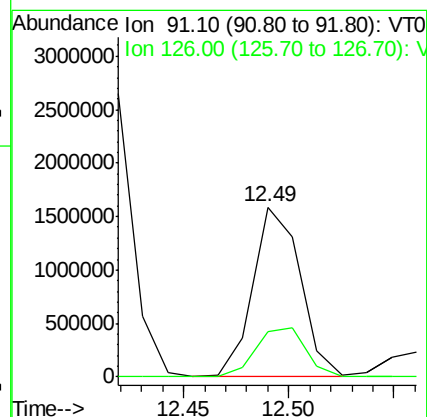
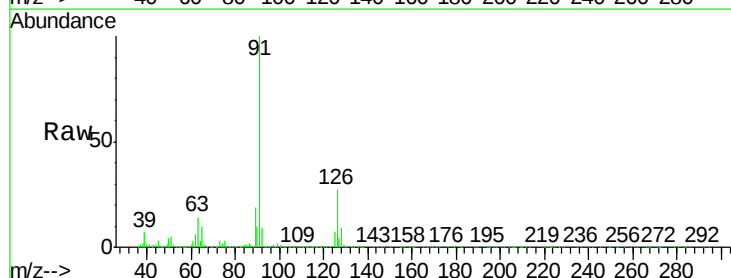
Acq: 8 May 2018 18:48

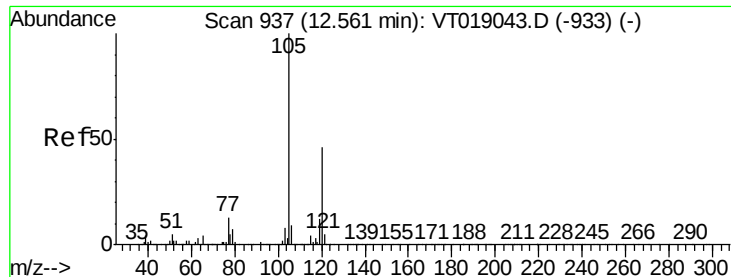
Tgt Ion: 91 Resp: 2511354

Ion Ratio Lower Upper

91 100

126 27.0 13.5 40.5

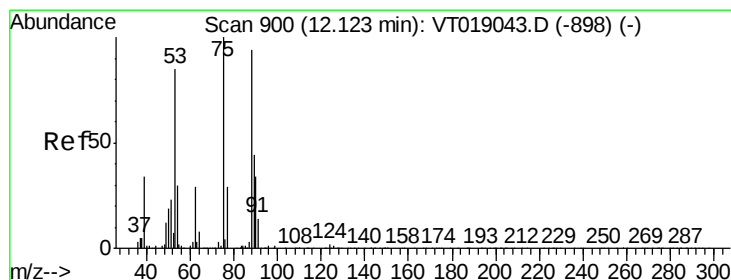
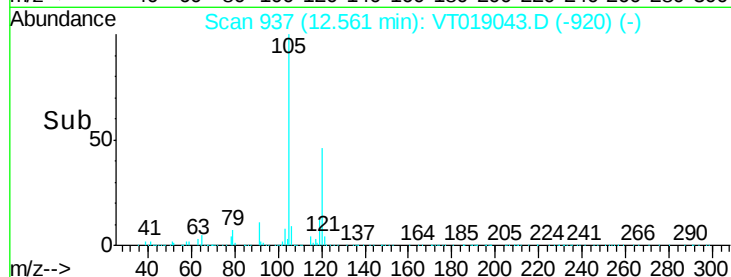
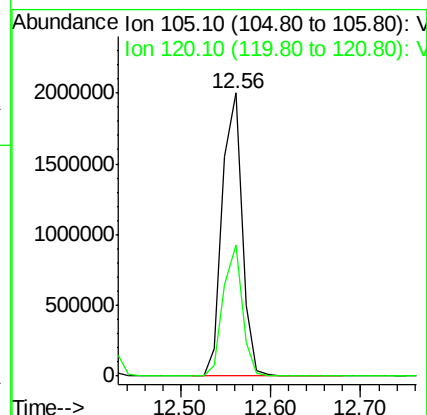
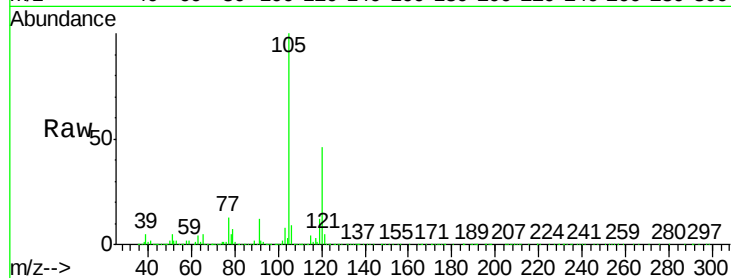




#79
 1,3,5-Trimethylbenzene
 Concen: 60.67 ug/l
 RT: 12.56 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VT019043.D
 Acq: 8 May 2018 18:48

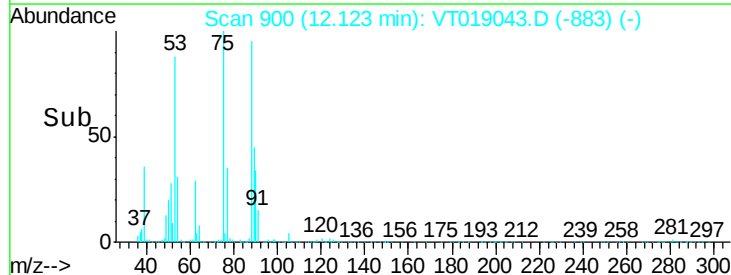
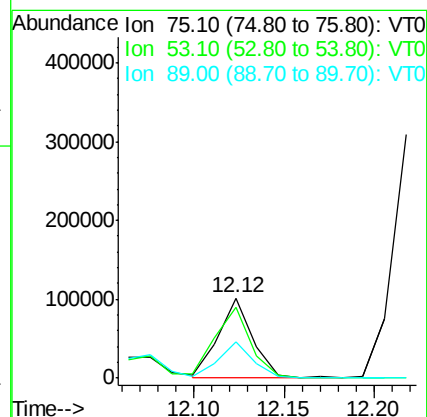
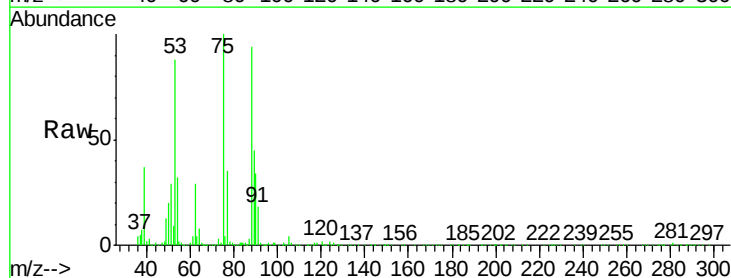
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDICCC050

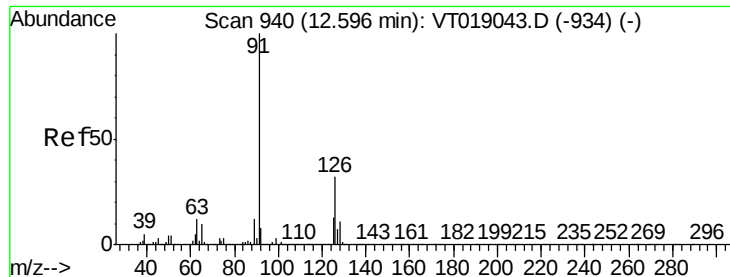
Tot Ion:105 Resp: 3056025
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.2 69.5



#80
 trans-1,4-Dichloro-2-butene
 Concen: 49.03 ug/l
 RT: 12.12 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VT019043.D
 Acq: 8 May 2018 18:48

Tgt Ion: 75 Resp: 133998
 Ion Ratio Lower Upper
 75 100
 53 88.5 70.8 106.2
 89 44.8 35.8 53.8

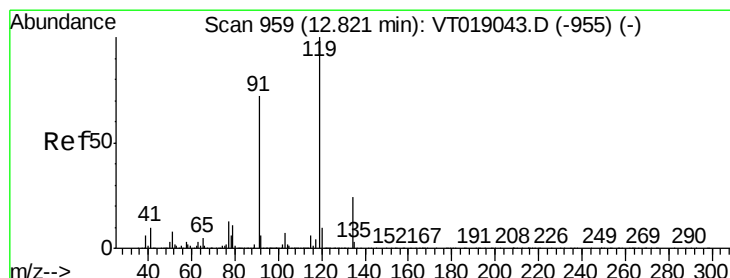
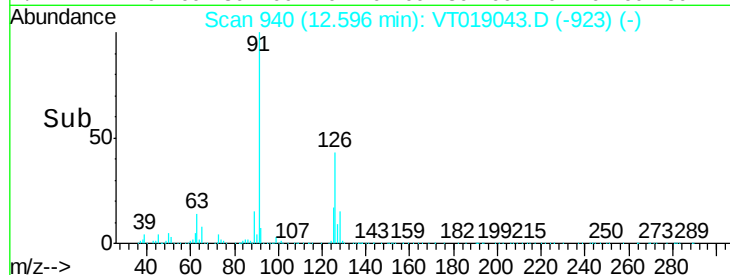
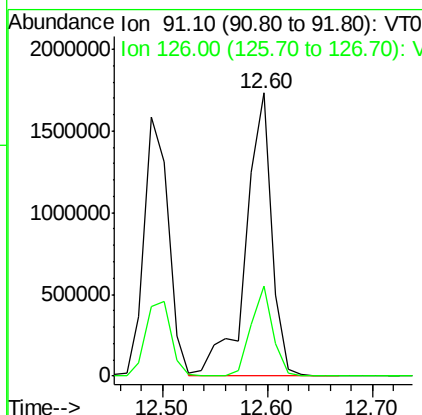
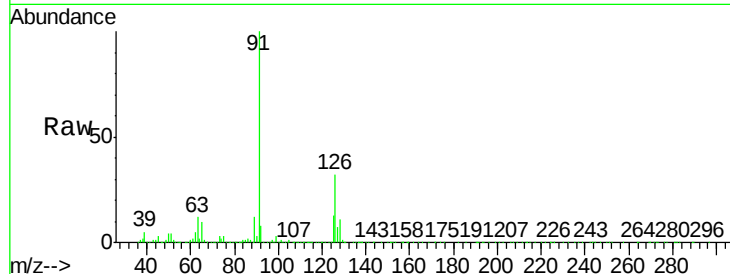




#81
4-Chlorotoluene
Concen: 62.48 ug/l
RT: 12.60 min Scan# 940
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

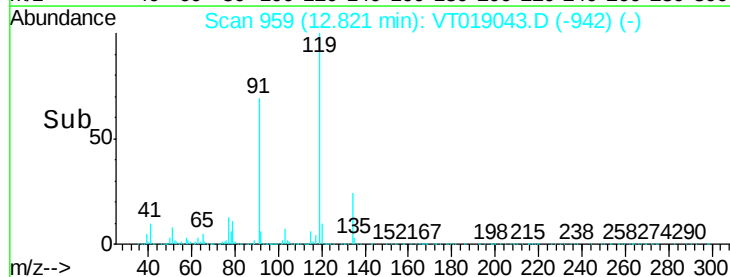
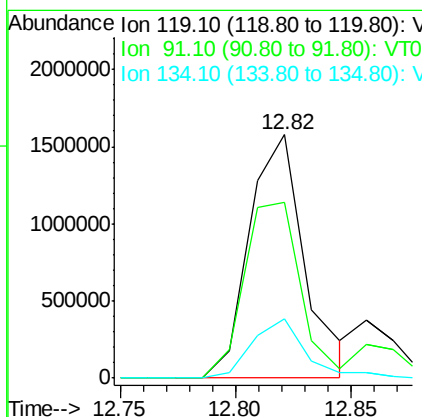
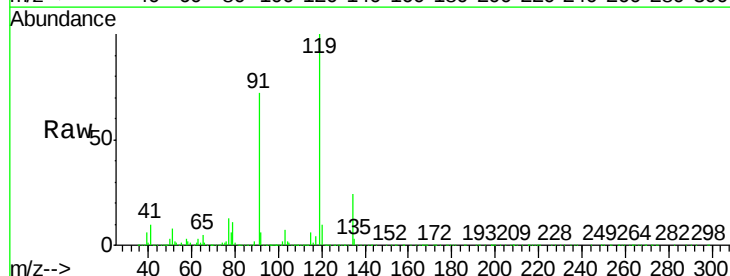
Instrument :
MSVOA_T
ClientSampleId :
VSTDICCC050

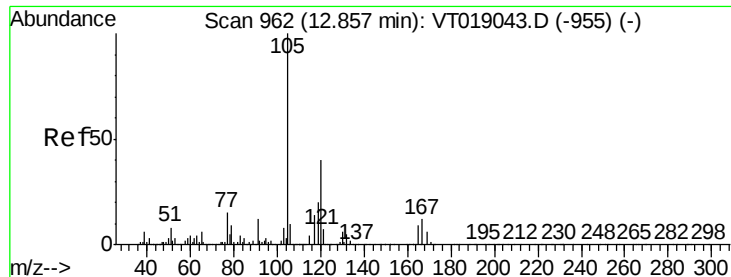
Tot Ion: 91 Resp: 2975325
Ion Ratio Lower Upper
91 100
126 31.9 16.0 47.9



#82
tert-Butylbenzene
Concen: 59.27 ug/l m
RT: 12.82 min Scan# 959
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

Tgt Ion: 119 Resp: 2649567
Ion Ratio Lower Upper
119 100
91 72.2 36.1 108.3
134 24.1 12.0 36.1





#83

1,2,4-Trimethylbenzene

Concen: 60.20 ug/l

RT: 12.86 min Scan# 962

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

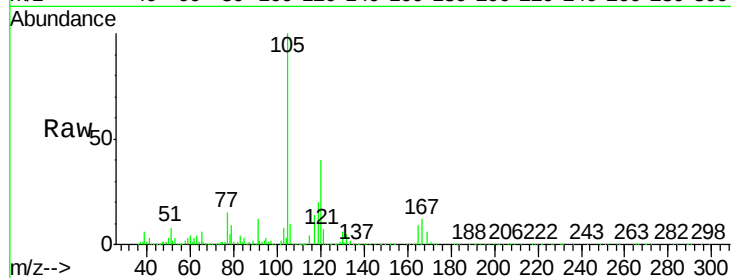
VSTDICCC050

Tot Ion:105 Resp: 3060545

Ion Ratio Lower Upper

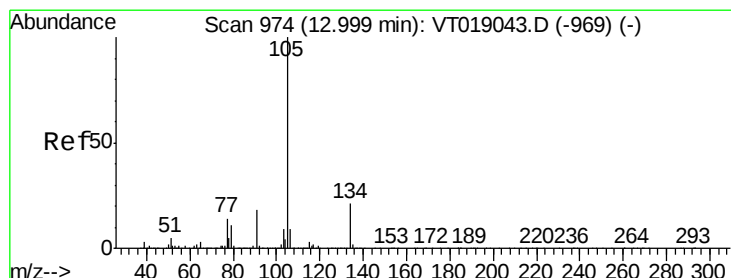
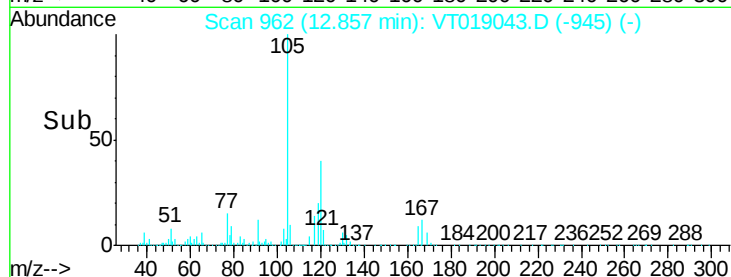
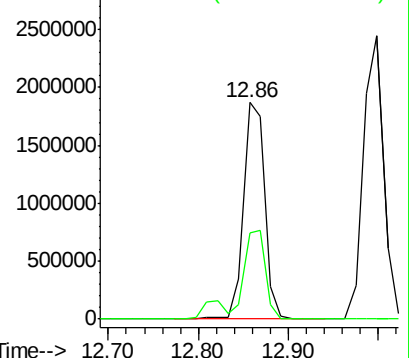
105 100

120 39.9 20.0 59.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V



#84

sec-Butylbenzene

Concen: 59.81 ug/l

RT: 13.00 min Scan# 974

Delta R.T. 0.00 min

Lab File: VT019043.D

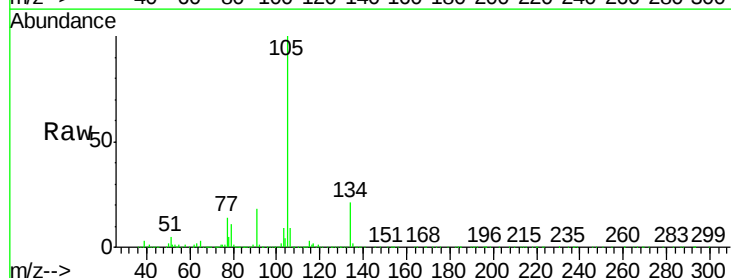
Acq: 8 May 2018 18:48

Tgt Ion:105 Resp: 3787636

Ion Ratio Lower Upper

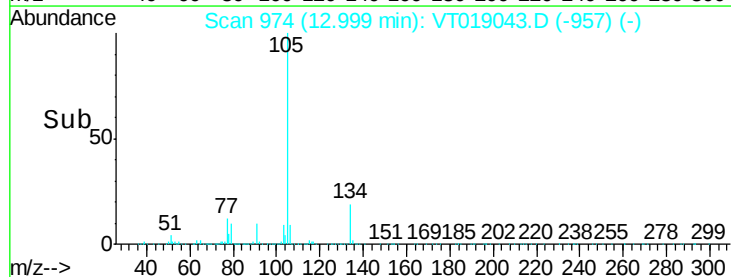
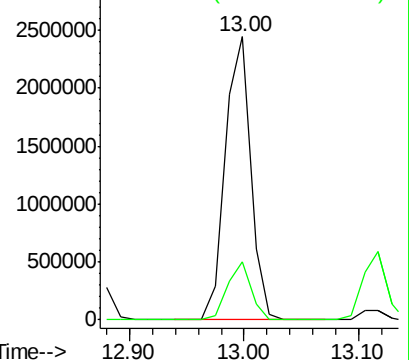
105 100

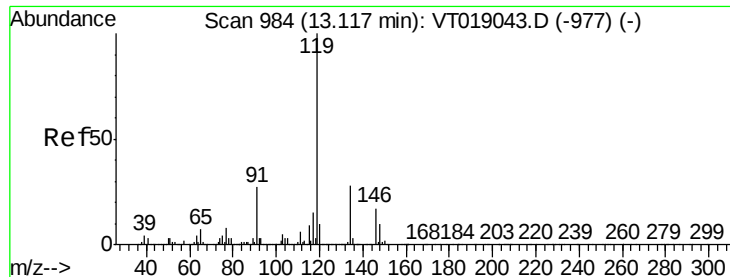
134 20.8 10.4 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.10 (133.80 to 134.80): V

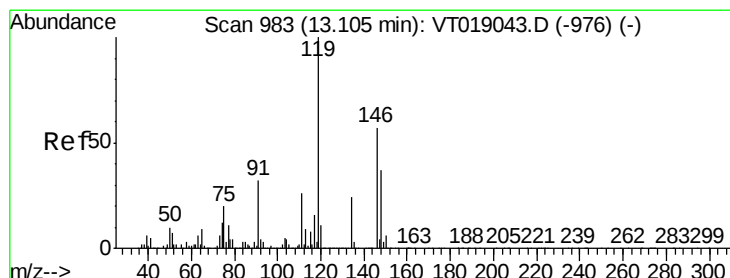
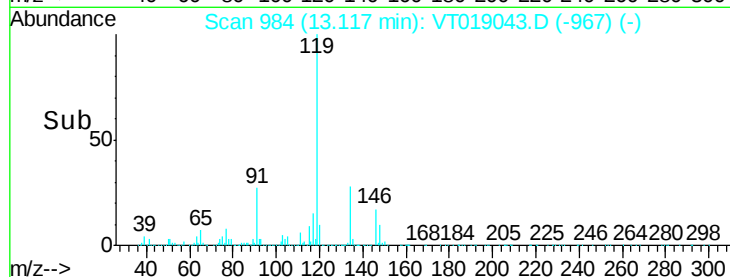
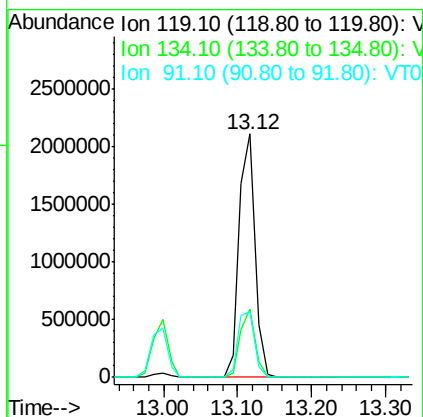
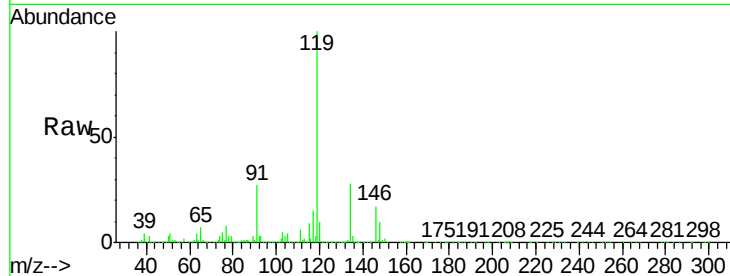




#85
p-Isopropyltoluene
Concen: 56.93 ug/l
RT: 13.12 min Scan# 984
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

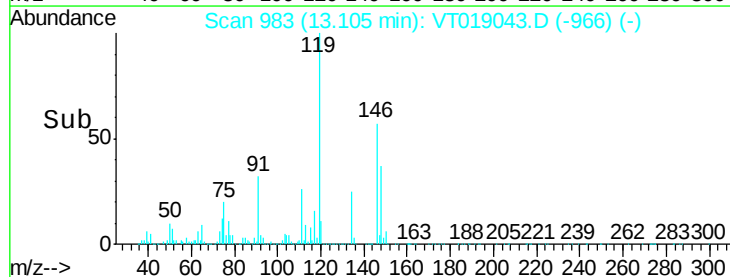
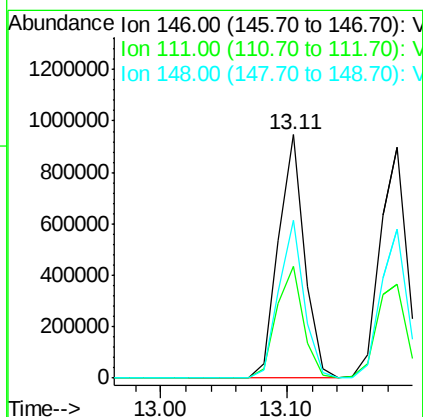
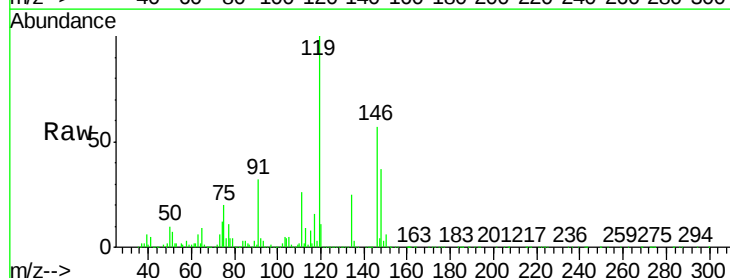
Instrument :
MSVOA_T
ClientSampleId :
VSTDICCC050

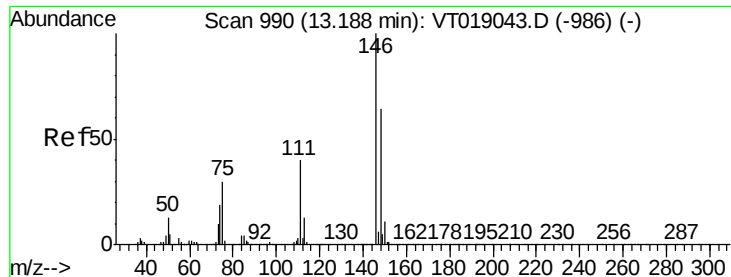
Tot Ion:119 Resp: 3170626
Ion Ratio Lower Upper
119 100
134 28.2 14.1 42.3
91 26.9 13.5 40.4



#86
1,3-Dichlorobenzene
Concen: 50.73 ug/l
RT: 13.11 min Scan# 983
Delta R.T. 0.00 min
Lab File: VT019043.D
Acq: 8 May 2018 18:48

Tgt Ion:146 Resp: 1370875
Ion Ratio Lower Upper
146 100
111 46.1 23.1 69.2
148 65.0 32.5 97.5

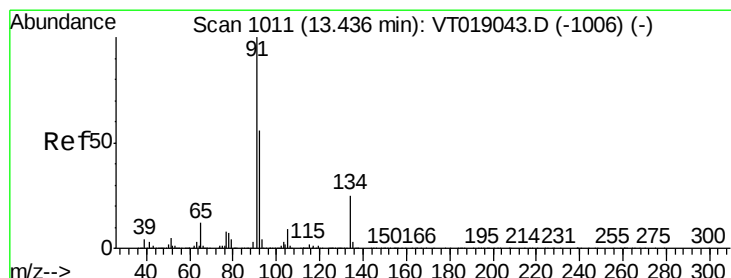
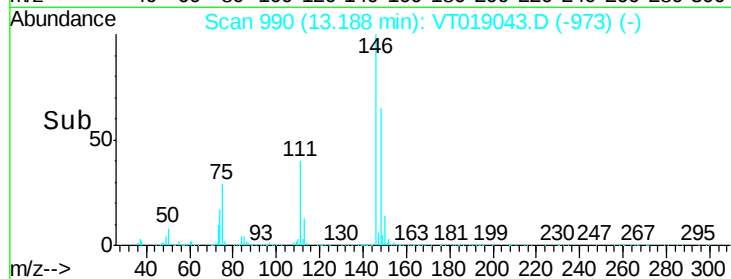
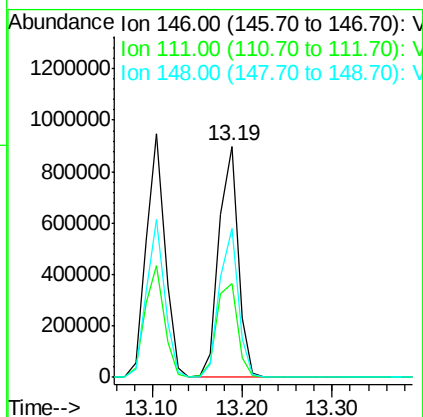
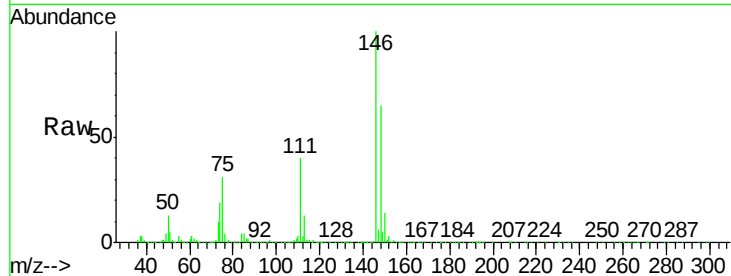




#87
 1,4-Dichlorobenzene
 Concen: 49.67 ug/l
 RT: 13.19 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VT019043.D
 Acq: 8 May 2018 18:48

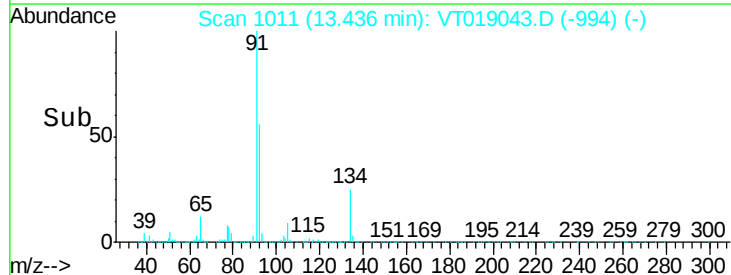
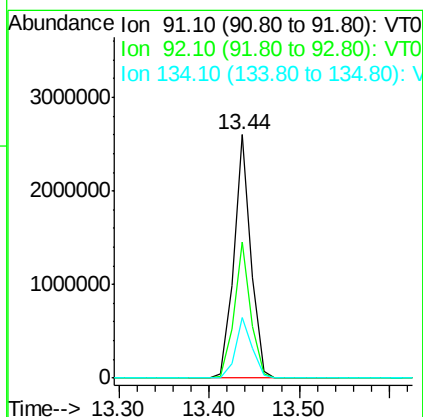
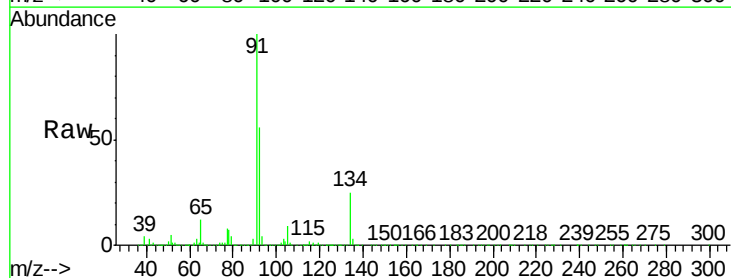
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDICCC050

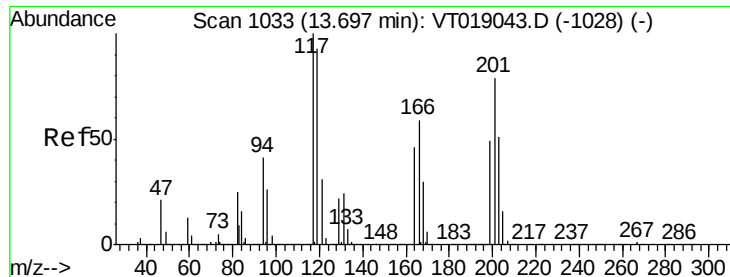
Tot Ion:146 Resp: 1335406
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 60.8
 148 64.5 32.3 96.8



#88
 n-Butylbenzene
 Concen: 65.96 ug/l
 RT: 13.44 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VT019043.D
 Acq: 8 May 2018 18:48

Tgt Ion: 91 Resp: 3406993
 Ion Ratio Lower Upper
 91 100
 92 56.0 28.0 84.0
 134 24.7 12.4 37.0





#89

Hexachloroethane

Concen: 58.76 ug/l

RT: 13.70 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

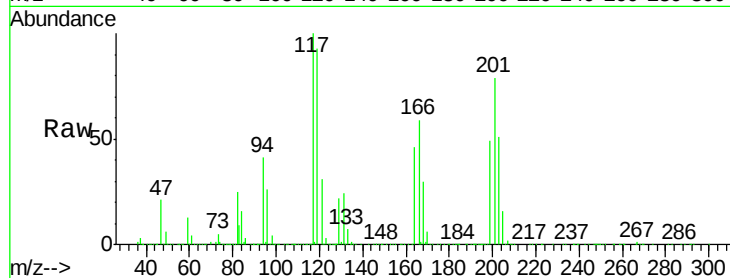
VSTDICCC050

Tot Ion:117 Resp: 534156

Ion Ratio Lower Upper

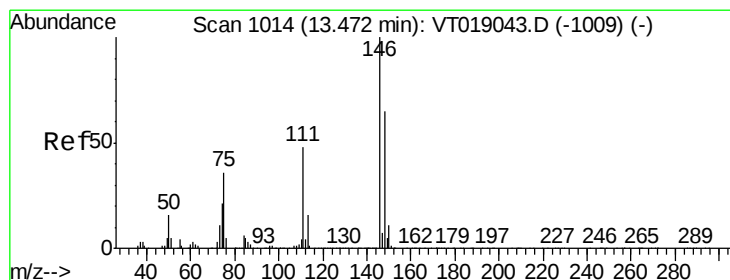
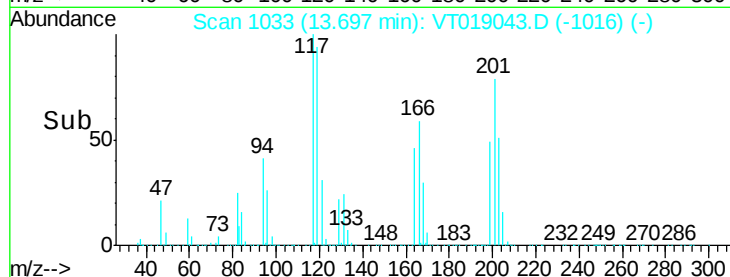
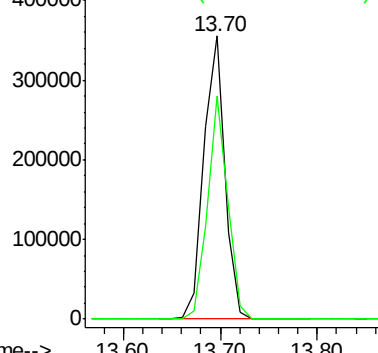
117 100

201 78.7 39.4 118.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 200.80 (200.50 to 201.50): V



#90

1,2-Dichlorobenzene

Concen: 48.82 ug/l

RT: 13.47 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

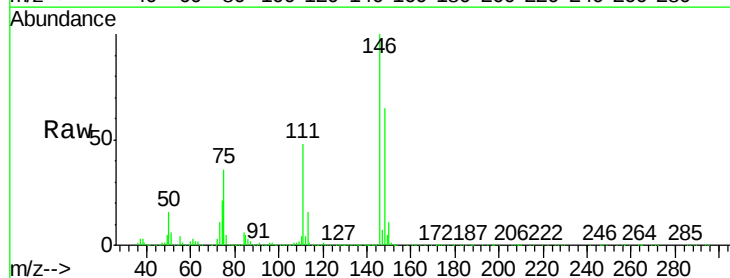
Tgt Ion:146 Resp: 1136148

Ion Ratio Lower Upper

146 100

111 47.5 23.8 71.2

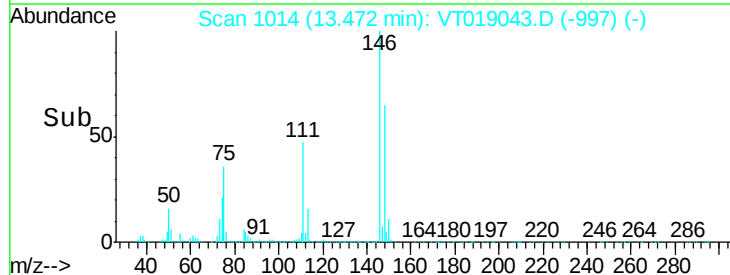
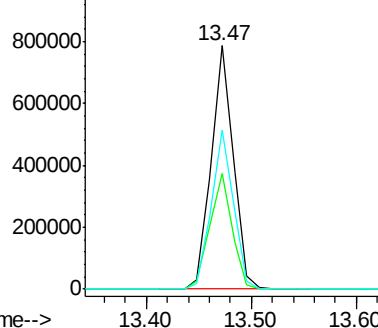
148 65.4 32.7 98.1

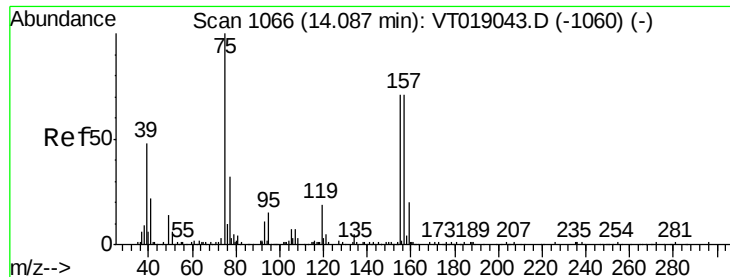


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#91

1,2-Dibromo-3-Chloropropane

Concen: 55.36 ug/l

RT: 14.09 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

VSTDICCC050

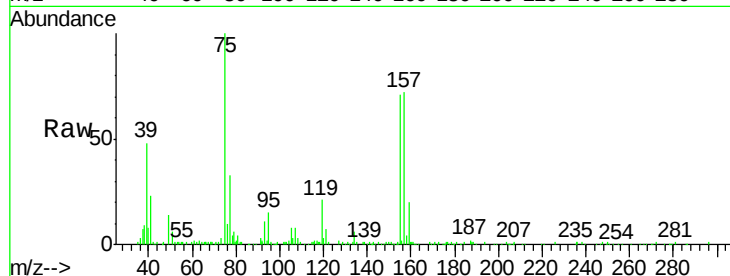
Tot Ion: 75 Resp: 74906

Ion	Ratio	Lower	Upper
75	100		
155	71.2	35.6	106.8
157	71.5	35.8	107.3

75 100

155 71.2 35.6 106.8

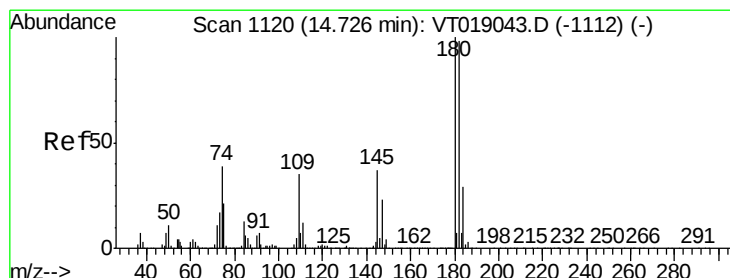
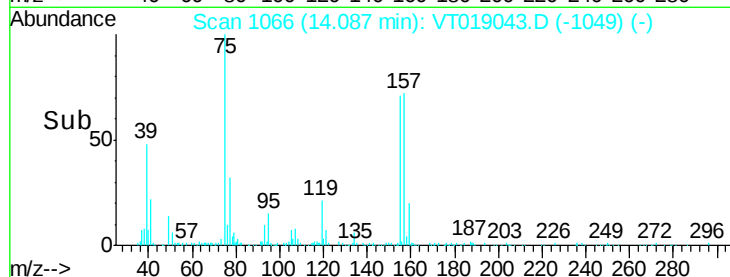
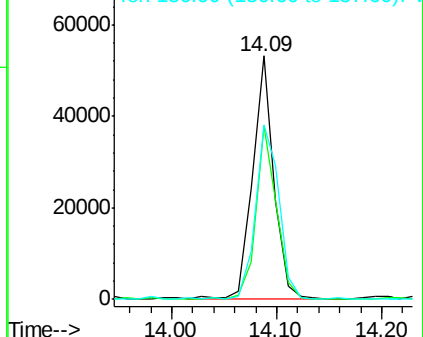
157 71.5 35.8 107.3



Abundance Ion 75.00 (74.70 to 75.70): VT019043.D (-1060) (-)

Ion 154.90 (154.60 to 155.60): VT019043.D (-1060) (-)

Ion 156.90 (156.60 to 157.60): VT019043.D (-1060) (-)



#92

1,2,4-Trichlorobenzene

Concen: 49.64 ug/l

RT: 14.73 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

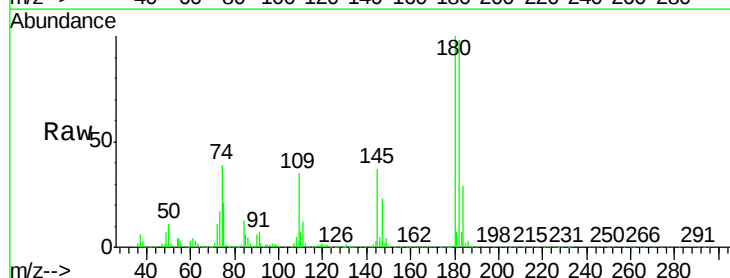
Tgt Ion: 180 Resp: 772687

Ion	Ratio	Lower	Upper
180	100		
182	98.0	49.0	147.0
145	36.6	18.3	54.9

180 100

182 98.0 49.0 147.0

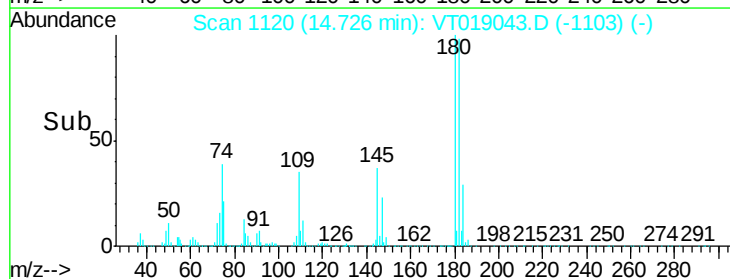
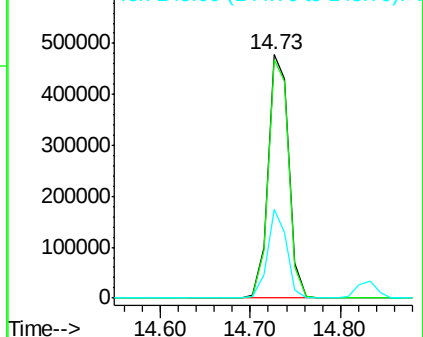
145 36.6 18.3 54.9

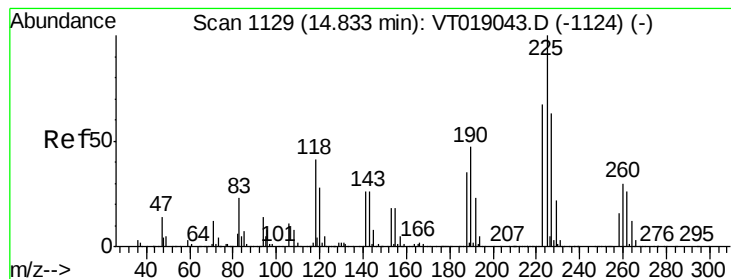


Abundance Ion 179.90 (179.60 to 180.60): VT019043.D (-1112) (-)

Ion 181.90 (181.60 to 182.60): VT019043.D (-1112) (-)

Ion 145.00 (144.70 to 145.70): VT019043.D (-1112) (-)





#93

Hexachlorobutadiene

Concen: 54.77 ug/l

RT: 14.83 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

Instrument :

MSVOA_T

ClientSampleId :

VSTDICCC050

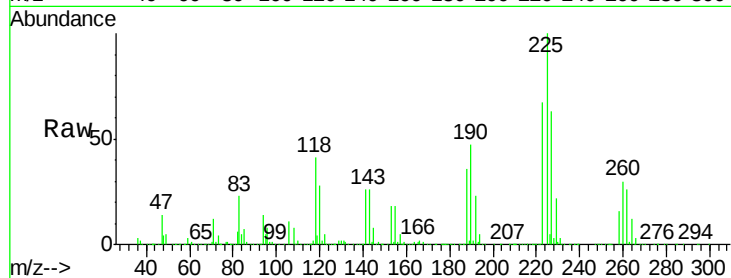
Tot Ion:225 Resp: 560776

Ion Ratio Lower Upper

225 100

223 66.9 33.5 100.4

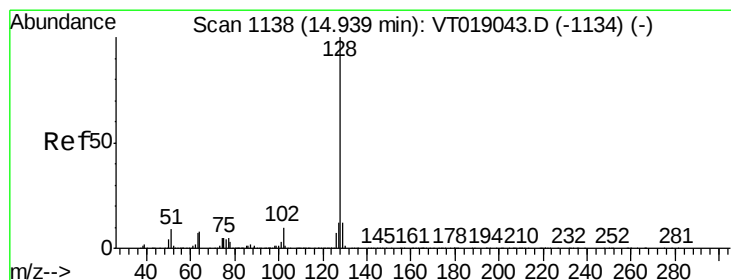
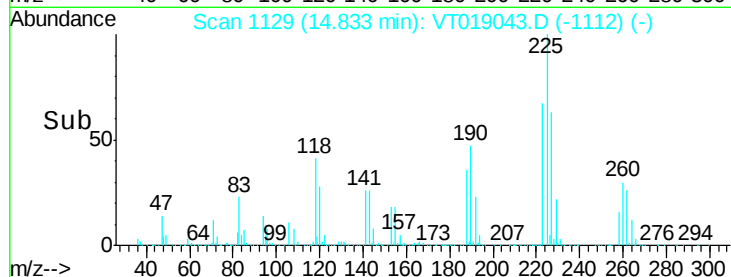
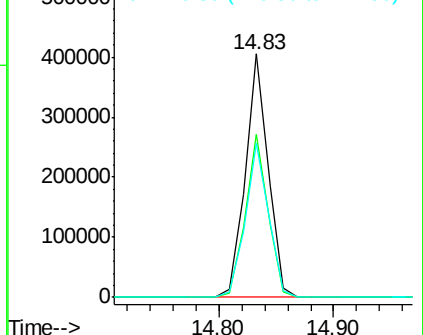
227 63.4 31.7 95.1



Abundance Ion 224.80 (224.50 to 225.50): V

Ion 222.80 (222.50 to 223.50): V

Ion 226.80 (226.50 to 227.50): V



#94

Naphthalene

Concen: 50.31 ug/l

RT: 14.94 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VT019043.D

Acq: 8 May 2018 18:48

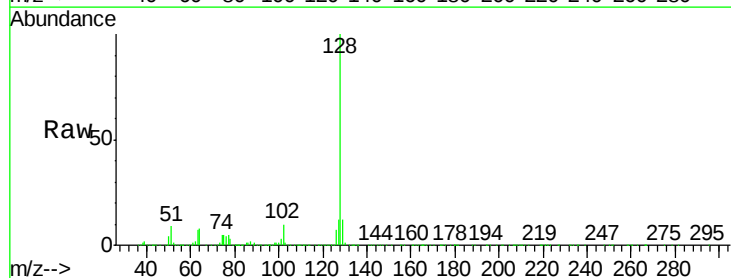
Tgt Ion:128 Resp: 1288372

Ion Ratio Lower Upper

128 100

127 12.4 9.9 14.9

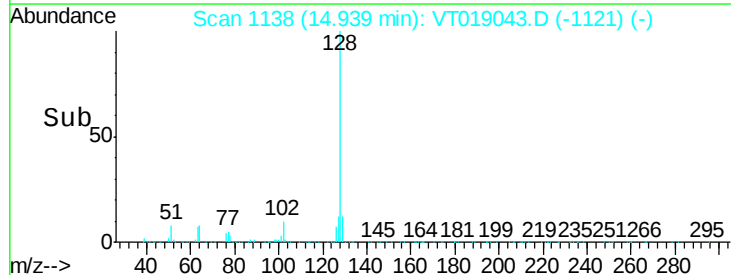
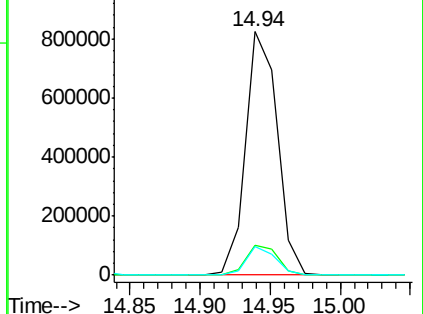
129 11.6 9.3 13.9

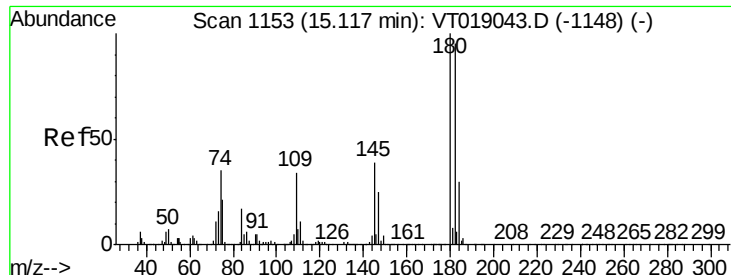


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

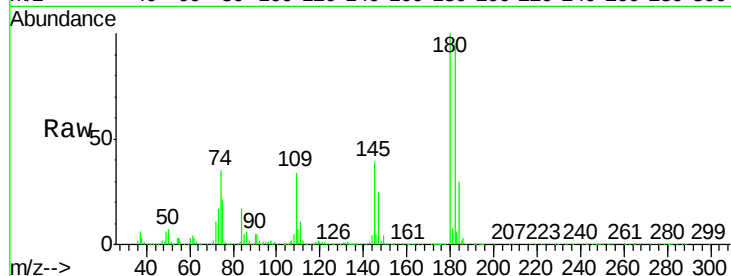




#95
 1,2,3-Trichlorobenzene
 Concen: 47.34 ug/l
 RT: 15.12 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VT019043.D
 Acq: 8 May 2018 18:48

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.7	143.1
145	38.7	19.4	58.1



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 145.00 (144.70 to 145.70): V

