

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050818\
 Data File : VT019046.D
 Acq On : 8 May 2018 20:21
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA T/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDICC150

Quant Time: May 09 04:20:21 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	1454947	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	2426515	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	2064896	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	972850	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	2006026	168.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	337.06%	
34) Dibromofluoromethane	7.35	113	2019968	153.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.42%	
49) Toluene-d8	9.91	98	7590702	131.39	ug/l	0.01
Spiked Amount	50.000		Recovery	=	262.78%	
61) 4-Bromofluorobenzene	12.22	95	3202507	160.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.78	85	2705617	200.01	ug/l	97
3) Chloromethane	1.96	50	1047245	83.81	ug/l	96
4) Vinyl Chloride	2.10	62	1698416	126.56	ug/l	98
5) Bromomethane	2.46	94	1227604	163.58	ug/l	100
6) Chloroethane	2.57	64	1010759	144.77	ug/l	100
7) Trichlorofluoromethane	2.91	101	3788362m	245.61	ug/l	
8) Diethyl Ether	3.20	74	656300	117.72	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.59	101	1827245	137.44	ug/l	98
10) Methyl Iodide	3.76	142	2741207	132.76	ug/l	95
11) Tert butyl alcohol	4.55	59	532605	836.70	ug/l	98
12) 1,1-Dichloroethene	3.56	96	1762895	128.16	ug/l	96
13) Acrolein	3.39	56	253708	288.79	ug/l	99
14) Allyl chloride	4.05	41	3732077m	155.12	ug/l	
15) Acrylonitrile	4.69	53	2014922	700.02	ug/l	96
16) Acetone	3.59	43	1025405	356.78	ug/l #	90
17) Carbon Disulfide	3.90	76	7781502m	205.86	ug/l	
18) Methyl Acetate	4.08	43	1071255	87.41	ug/l	99
19) Methyl tert-butyl Ether	4.75	73	4694410	180.25	ug/l	98
20) Methylene Chloride	4.33	84	2187585m	136.60	ug/l	
21) trans-1,2-Dichloroethene	4.74	96	2565522	173.50	ug/l	97
22) Diisopropyl ether	5.67	45	6839999	160.95	ug/l	98
23) Vinyl Acetate	5.61	43	14633174	926.60	ug/l #	93
24) 1,1-Dichloroethane	5.56	63	4838360	192.51	ug/l	100
25) 2-Butanone	6.57	43	2281959	581.55	ug/l	94
26) 2,2-Dichloropropane	6.55	77	1837638	155.34	ug/l	97
27) cis-1,2-Dichloroethene	6.55	96	2654317	183.83	ug/l	96
28) Bromochloromethane	6.93	49	1525330	148.48	ug/l	95
29) Chloroform	7.13	83	4532263	196.94	ug/l	99
30) Cyclohexane	7.43	56	4918810	171.97	ug/l	99
31) 1,1,1-Trichloroethane	7.33	97	3633120	206.26	ug/l	93
35) 1,1-Dichloropropene	7.56	75	4143987	172.86	ug/l	99
36) Ethyl Acetate	6.67	43	1112426	125.53	ug/l	99
37) Carbon Tetrachloride	7.54	117	3568463	177.90	ug/l	98
38) Methylcyclohexane	8.88	83	5076381	165.72	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	7.82	78	9679224	146.08	ug/l	# 90
40) Methacrylonitrile	6.92	41	596294	114.00	ug/l	98
41) 1,2-Dichloroethane	7.91	62	2336432	146.56	ug/l	100
42) Isopropyl Acetate	7.96	43	2022081	139.16	ug/l	96
43) Trichloroethene	8.63	130	2544441	151.44	ug/l	99
44) 1,2-Dichloropropane	8.92	63	2480849	161.59	ug/l	99
45) Dibromomethane	9.01	93	1022785	151.78	ug/l	96
46) Bromodichloromethane	9.21	83	3018356	172.12	ug/l	97
47) Methyl methacrylate	9.01	41	1028010	124.76	ug/l	96
48) 1,4-Dioxane	9.01	88	230960	2543.19	ug/l	93
50) 4-Methyl-2-Pentanone	9.80	43	4703725	545.75	ug/l	92
51) Toluene	9.97	92	5883148	143.17	ug/l	# 73
52) t-1,3-Dichloropropene	10.19	75	2843703	168.28	ug/l	98
53) cis-1,3-Dichloropropene	9.65	75	3539963	165.97	ug/l	98
54) 1,1,2-Trichloroethane	10.38	97	1478148	146.88	ug/l	97
55) Ethyl methacrylate	10.25	69	2031878	165.53	ug/l	98
56) 1,3-Dichloropropane	10.53	76	2762939	158.17	ug/l	94
57) 2-Chloroethyl Vinyl ether	9.51	63	4088446	799.54	ug/l	95
58) 2-Hexanone	10.57	43	3465164	532.38	ug/l	91
59) Dibromochloromethane	10.73	129	1684359	145.07	ug/l	98
60) 1,2-Dibromoethane	10.82	107	1371079	147.74	ug/l	99
63) Tetrachloroethene	10.45	164	2263435	150.30	ug/l	98
64) Chlorobenzene	11.25	112	5817536	130.80	ug/l	92
65) 1,1,1,2-Tetrachloroethane	11.33	131	2134755	152.66	ug/l	98
66) Ethyl Benzene	11.33	91	9174393	118.23	ug/l	# 71
67) m/p-Xylenes	11.45	106	7798414m	251.58	ug/l	
68) o-Xylene	11.77	106	4062844	143.84	ug/l	66
69) Stvrene	11.79	104	5896253	125.39	ug/l	89
70) Bromoform	11.95	173	880470	123.80	ug/l	98
72) Isopropylbenzene	12.08	105	9149810	127.37	ug/l	# 69
73) N-amyl acetate	11.90	43	2070268	150.74	ug/l	96
74) 1,1,2,2-Tetrachloroethane	12.32	83	1695104	154.78	ug/l	95
75) 1,2,3-Trichloropropane	12.37	75	1316164m	171.26	ug/l	
76) Bromobenzene	12.35	156	2375046	148.87	ug/l	97
77) n-propylbenzene	12.42	91	10097448	116.50	ug/l	# 59
78) 2-Chlorotoluene	12.49	91	7510732	154.31	ug/l	85
79) 1,3,5-Trimethylbenzene	12.56	105	8275243	133.90	ug/l	73
80) trans-1,4-Dichloro-2-buten	12.12	75	545793	162.77	ug/l	98
81) 4-Chlorotoluene	12.60	91	8874791	151.88	ug/l	80
82) tert-Butylbenzene	12.82	119	7849623m	143.11	ug/l	
83) 1,2,4-Trimethylbenzene	12.87	105	8096863	129.80	ug/l	72
84) sec-Butylbenzene	13.00	105	9401948	121.00	ug/l	# 69
85) p-Isopropyltoluene	13.12	119	8179181	119.69	ug/l	# 72
86) 1,3-Dichlorobenzene	13.11	146	4500884	135.74	ug/l	96
87) 1,4-Dichlorobenzene	13.19	146	4506831	136.62	ug/l	93
88) n-Butylbenzene	13.44	91	8682655	137.00	ug/l	# 70
89) Hexachloroethane	13.70	117	2017099	180.86	ug/l	98
90) 1,2-Dichlorobenzene	13.47	146	3994339	139.88	ug/l	98
91) 1,2-Dibromo-3-Chloropropan	14.09	75	271102	163.31	ug/l	91
92) 1,2,4-Trichlorobenzene	14.73	180	2877448	150.66	ug/l	98

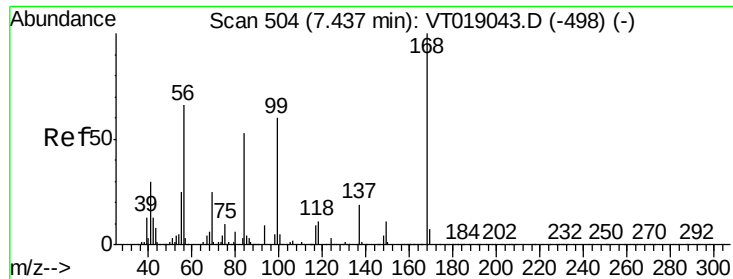
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	14.83	225	2125932	169.24	ug/l	96
94) Naphthalene	14.94	128	4575728	145.63	ug/l	96
95) 1,2,3-Trichlorobenzene	15.12	180	2321102	142.01	ug/l	98

(#) = 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: VT019046.D

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Instrument :

MSVOA_T

ClientSampleId :

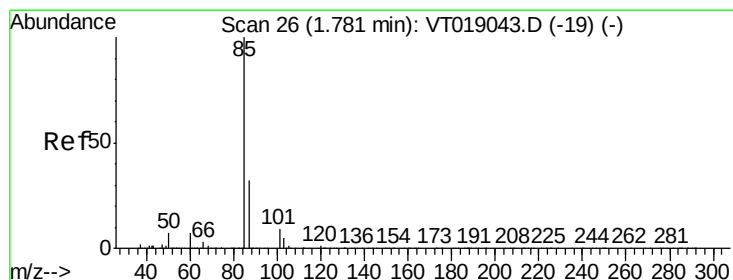
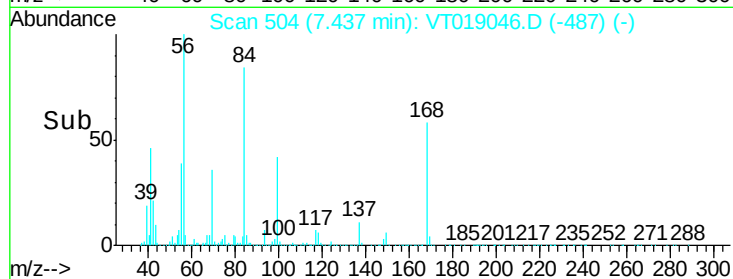
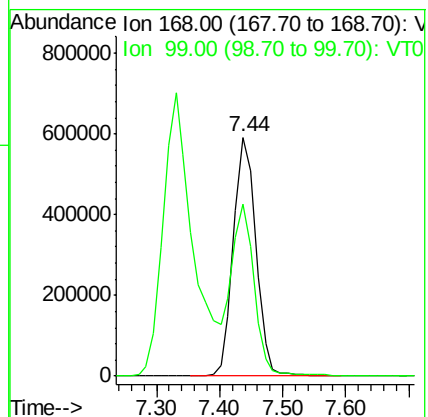
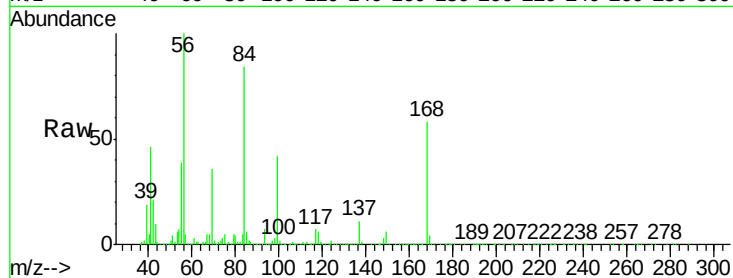
VSTDIC150

Tot Ion:168 Resp: 1454947

Ion Ratio Lower Upper

168 100

99 72.1 59.0 88.4



#2

Dichlorodifluoromethane

Concen: 200.01 ug/l

RT: 1.78 min Scan# 26

Delta R.T. -0.00 min

Lab File: VT019046.D

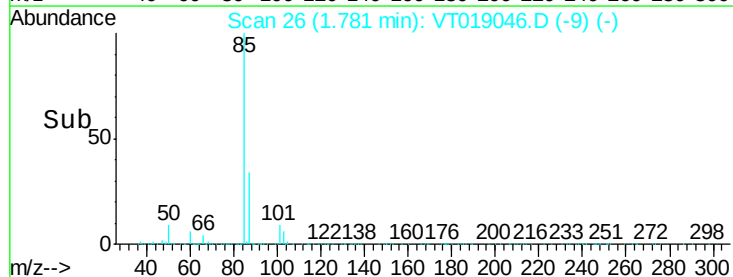
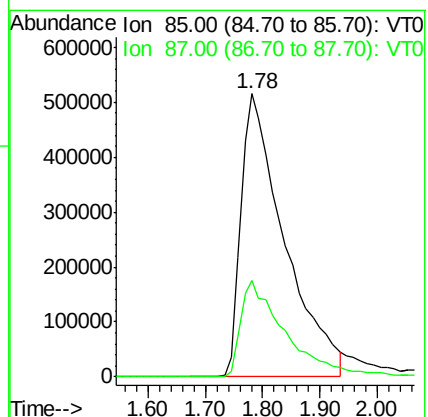
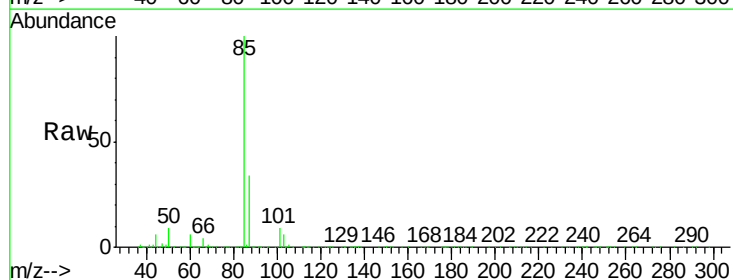
Acq: 8 May 2018 20:21

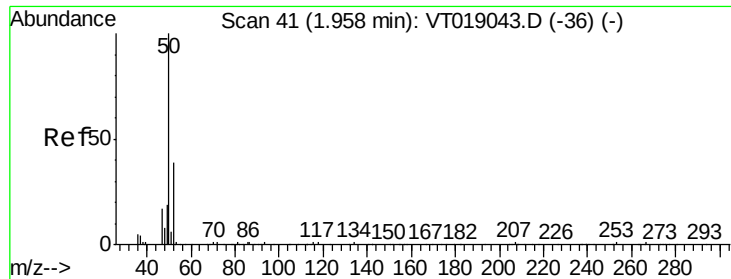
Tgt Ion: 85 Resp: 2705617

Ion Ratio Lower Upper

85 100

87 34.2 16.3 48.8





#3

Chloromethane

Concen: 83.81 ug/l

RT: 1.96 min Scan# 41

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

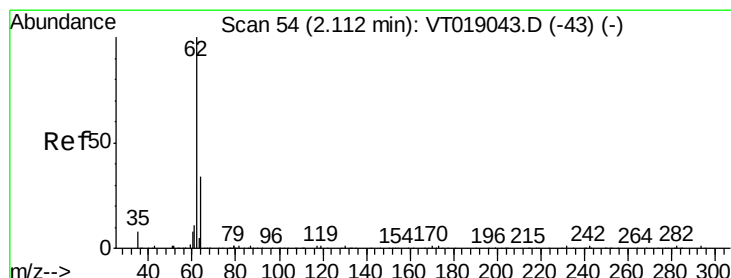
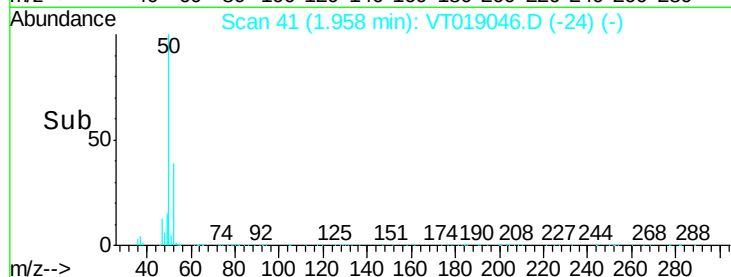
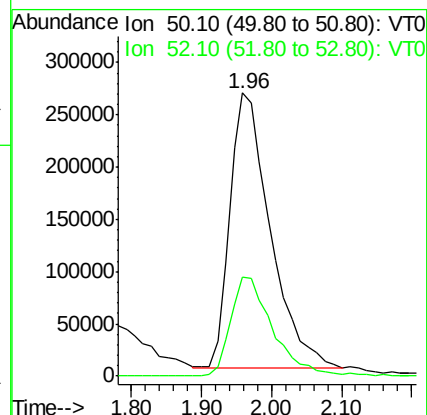
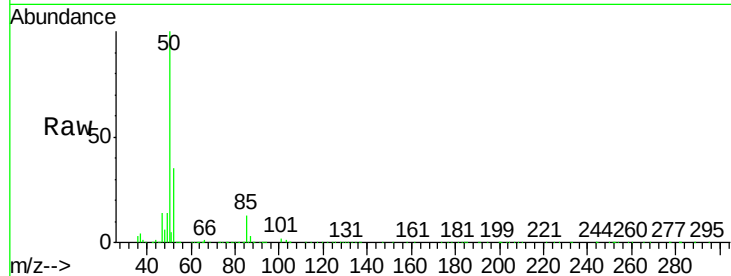
VSTDIC150

Tot Ion: 50 Resp: 1047245

Ion Ratio Lower Upper

50 100

52 34.9 30.1 45.1



#4

Vinyl Chloride

Concen: 126.56 ug/l

RT: 2.10 min Scan# 53

Delta R.T. -0.01 min

Lab File: VT019046.D

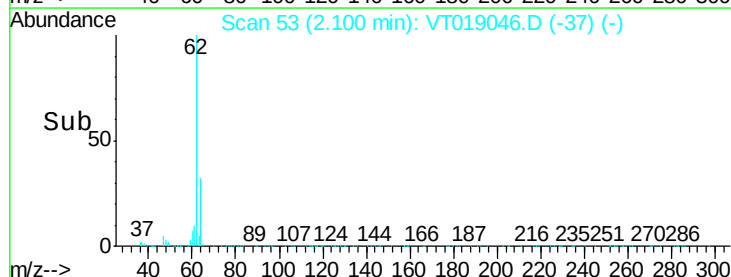
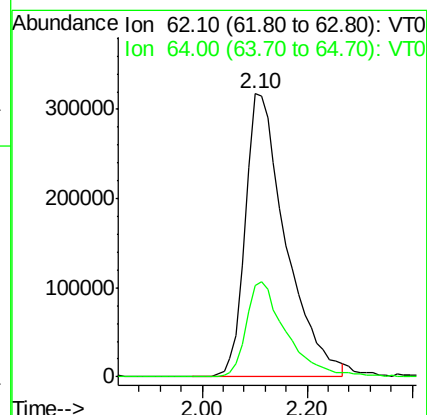
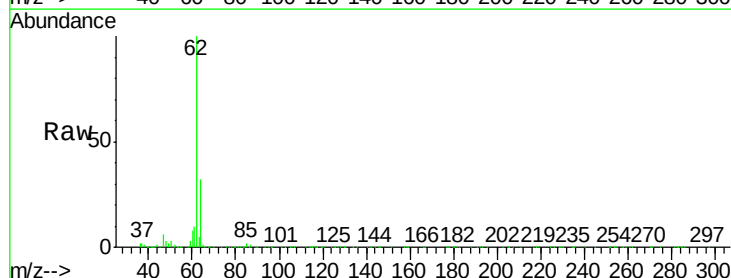
Acq: 8 May 2018 20:21

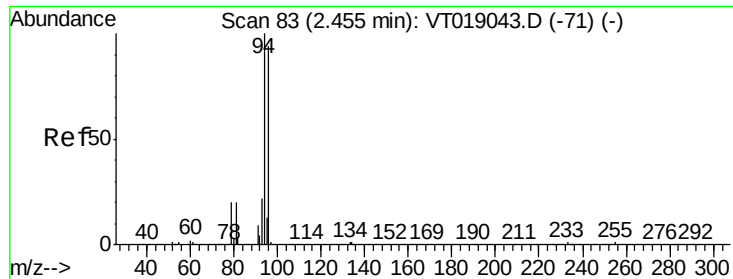
Tgt Ion: 62 Resp: 1698416

Ion Ratio Lower Upper

62 100

64 32.4 27.0 40.4





#5

Bromomethane

Concen: 163.58 ug/l

RT: 2.46 min Scan# 83

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

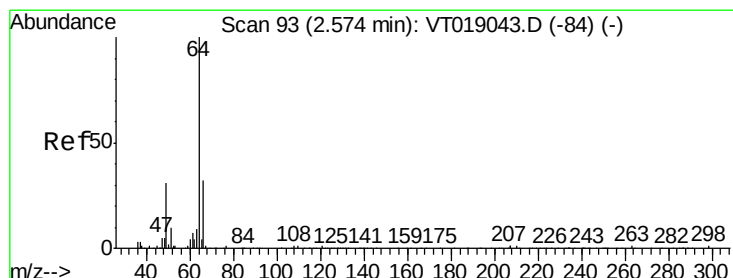
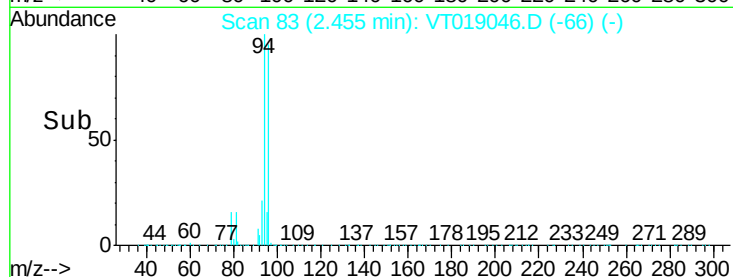
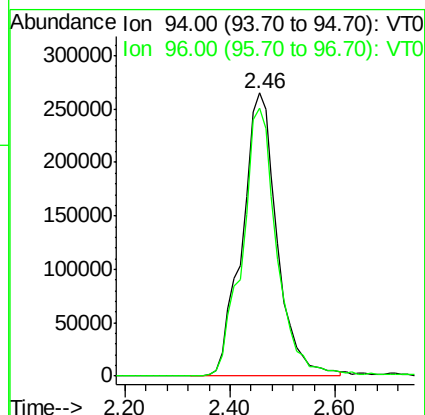
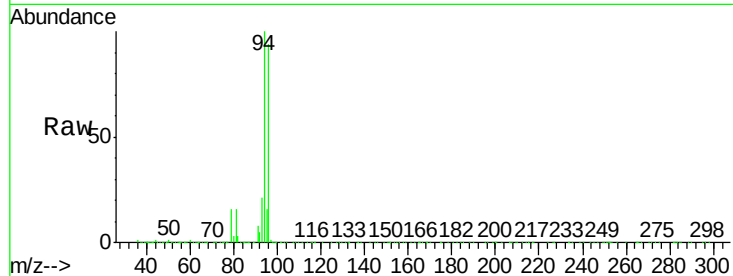
VSTDIC150

Tot Ion: 94 Resp: 1227604

Ion Ratio Lower Upper

94 100

96 94.5 75.3 112.9



#6

Chloroethane

Concen: 144.77 ug/l

RT: 2.57 min Scan# 93

Delta R.T. -0.00 min

Lab File: VT019046.D

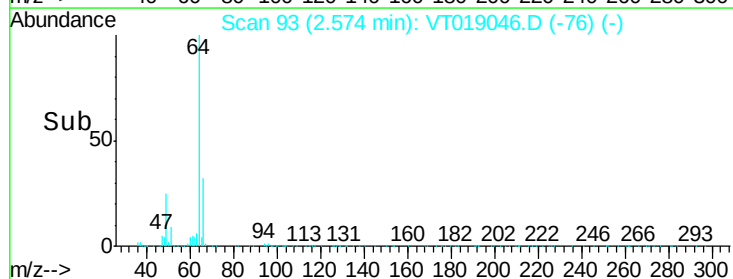
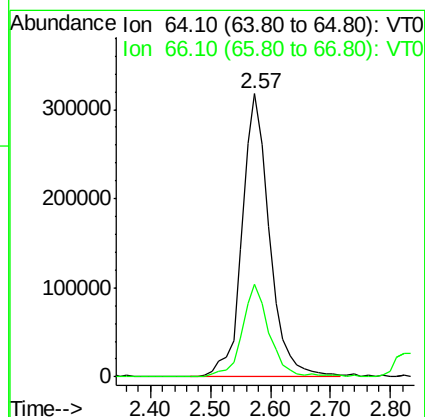
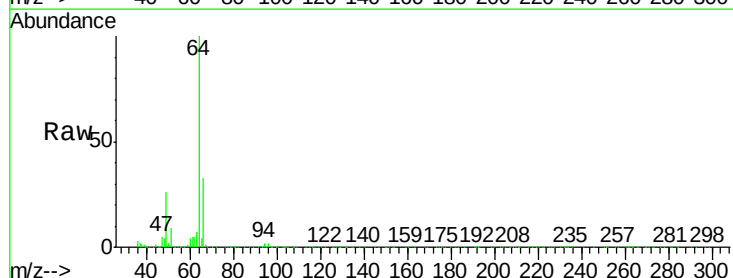
Acq: 8 May 2018 20:21

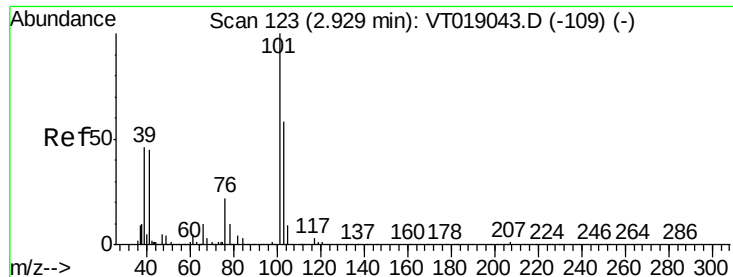
Tgt Ion: 64 Resp: 1010759

Ion Ratio Lower Upper

64 100

66 32.5 25.8 38.8



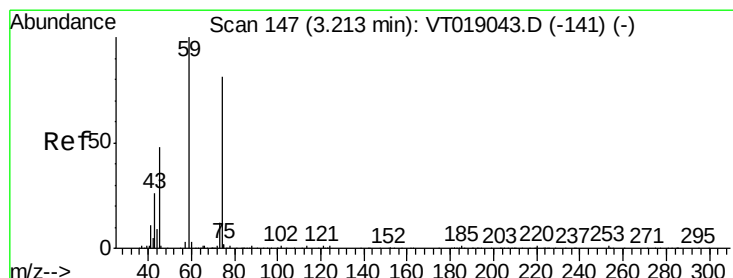
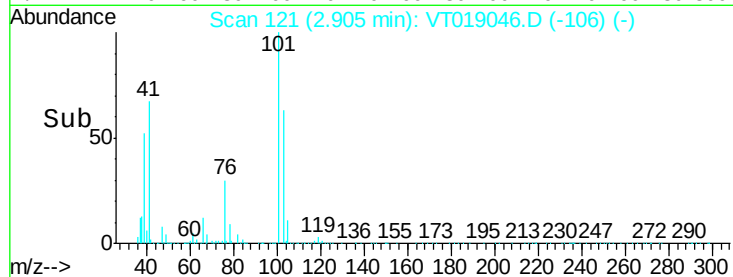
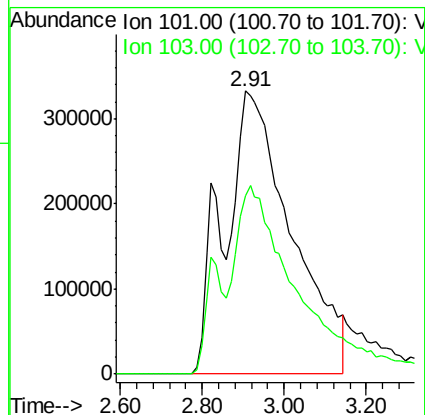
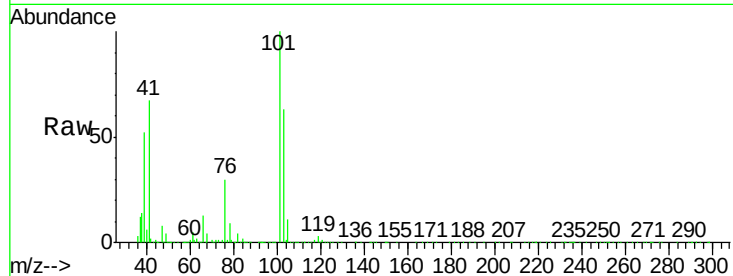


#7

Trichlorofluoromethane
Concen: 245.61 ug/l m
RT: 2.91 min Scan# 121
Delta R.T. -0.02 min
Lab File: VT019046.D
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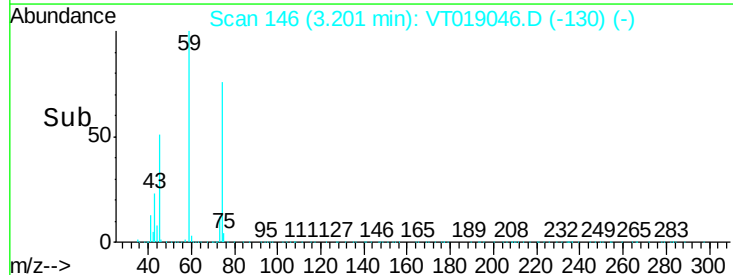
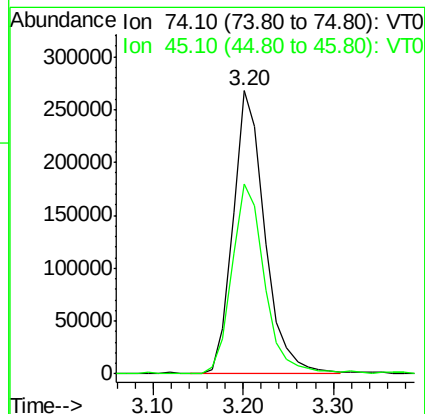
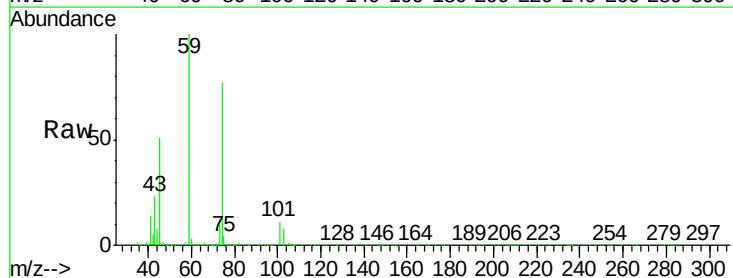
Tot Ion:101 Resp: 3788362
Ion Ratio Lower Upper
101 100
103 62.9 46.5 69.7

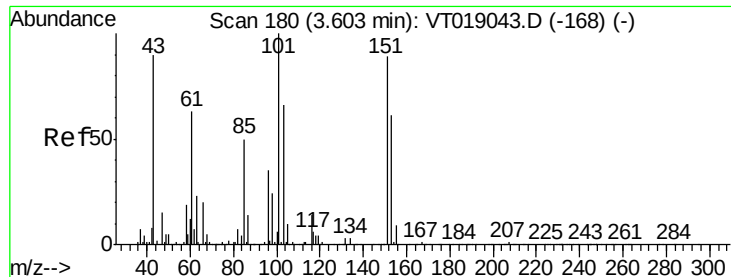


#8

Diethyl Ether
Concen: 117.72 ug/l
RT: 3.20 min Scan# 146
Delta R.T. -0.01 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Tgt Ion: 74 Resp: 656300
Ion Ratio Lower Upper
74 100
45 66.9 29.8 89.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 137.44 ug/l

RT: 3.59 min Scan# 179

Delta R.T. -0.01 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC150

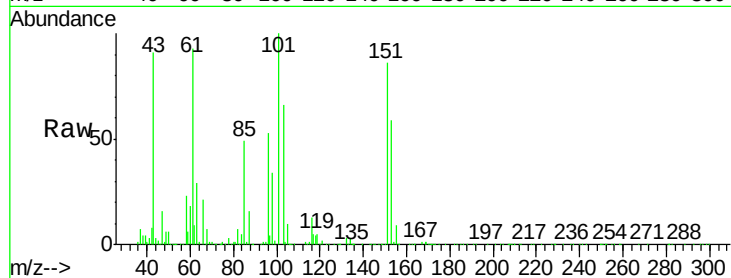
Tot Ion:101 Resp: 1827245

Ion Ratio Lower Upper

101 100

85 48.8 39.5 59.3

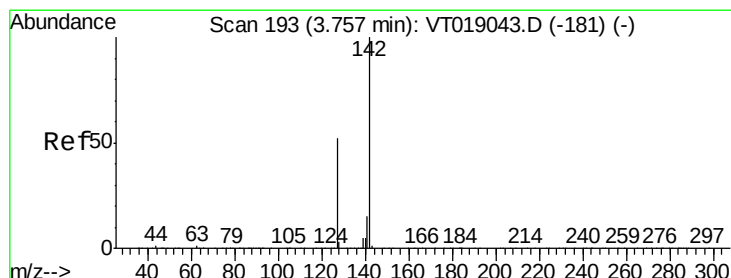
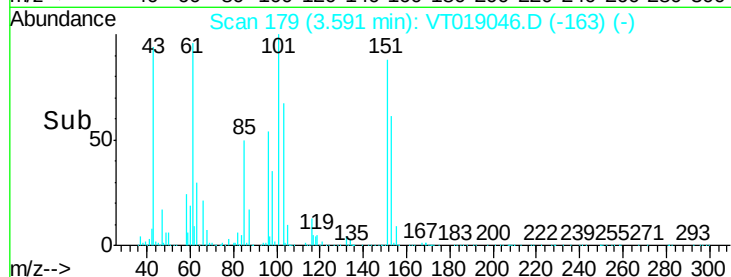
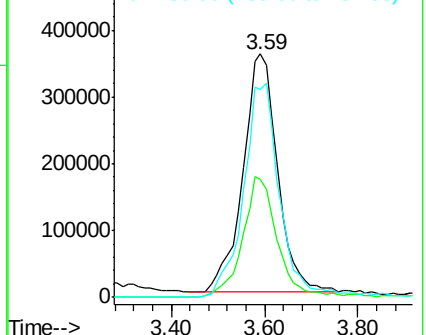
151 85.5 69.9 104.9



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: 132.76 ug/l

RT: 3.76 min Scan# 193

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

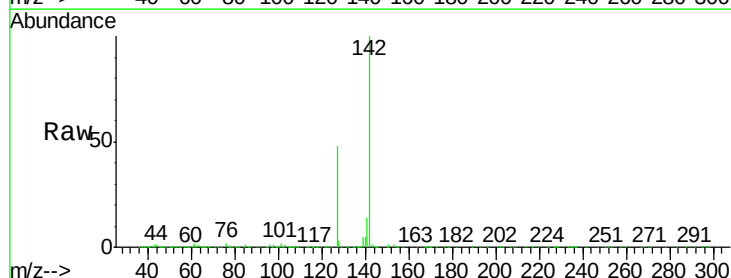
Tgt Ion:142 Resp: 2741207

Ion Ratio Lower Upper

142 100

127 48.0 41.8 62.8

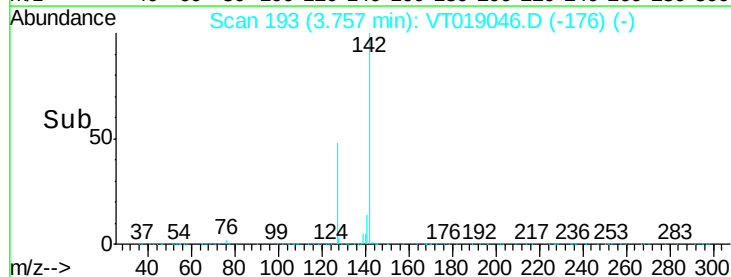
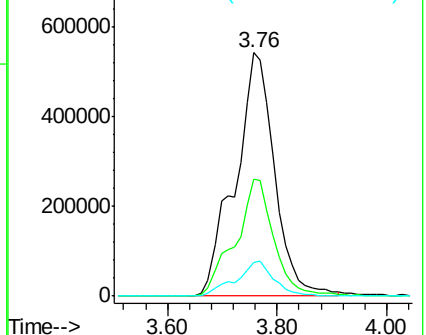
141 13.7 12.0 18.0

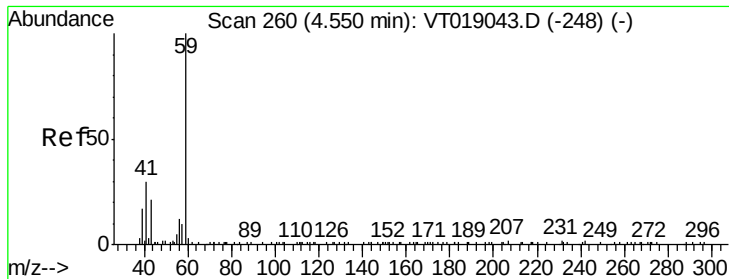


Abundance Ion 141.90 (141.60 to 142.60): V

Ion 126.90 (126.60 to 127.60): V

Ion 140.90 (140.60 to 141.60): V

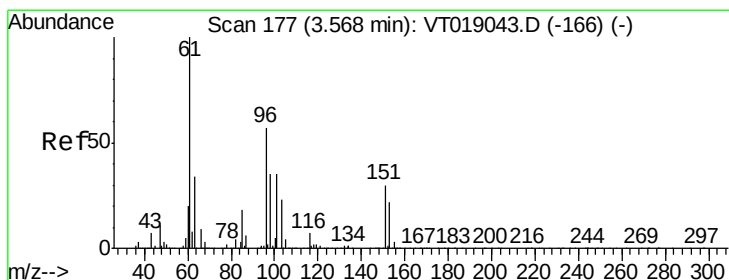
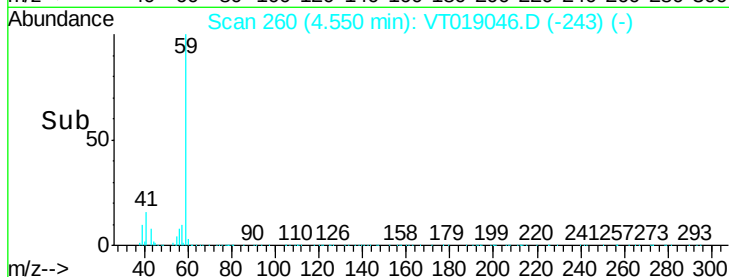
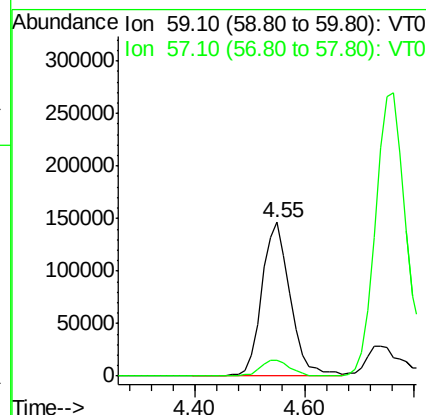
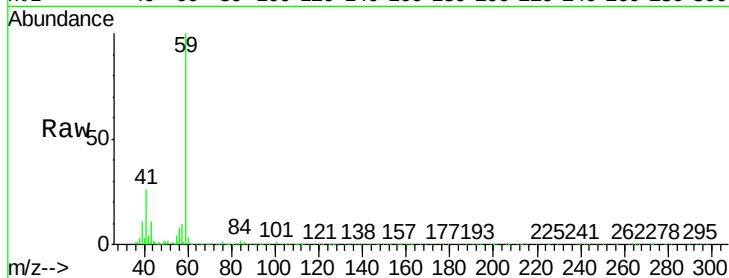




#11
Tert butyl alcohol
Concen: 836.70 ug/l
RT: 4.55 min Scan# 260
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

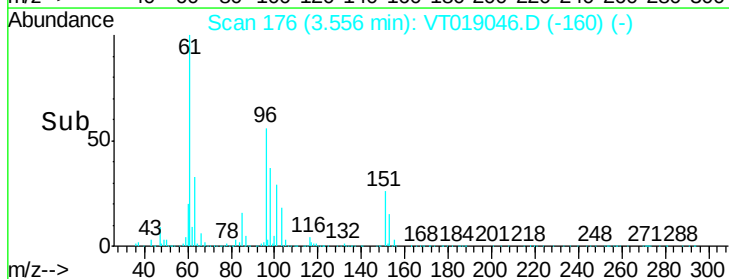
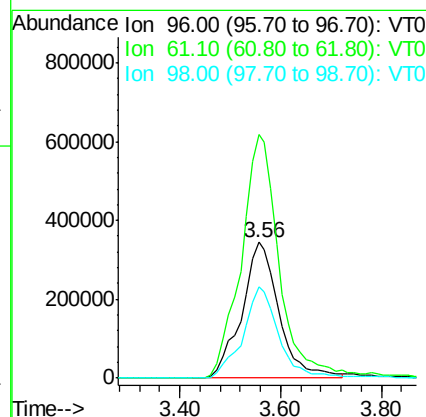
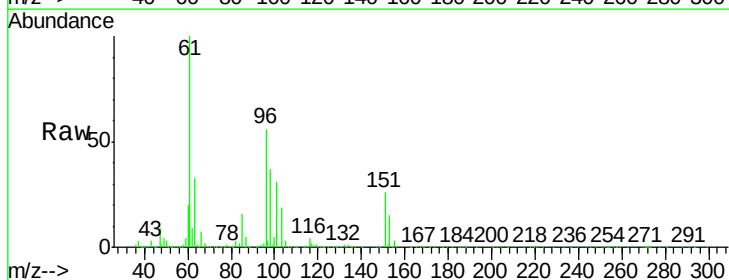
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

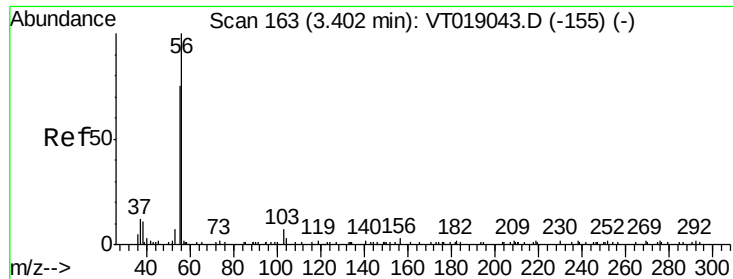
Tot Ion: 59 Resp: 532605
Ion Ratio Lower Upper
59 100
57 10.3 7.7 11.5



#12
1,1-Dichloroethene
Concen: 128.16 ug/l
RT: 3.56 min Scan# 176
Delta R.T. -0.01 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Tgt Ion: 96 Resp: 1762895
Ion Ratio Lower Upper
96 100
61 179.3 139.4 209.2
98 67.0 49.4 74.2





#13

Acrolein

Concen: 288.79 ug/l

RT: 3.39 min Scan# 162

Delta R.T. -0.01 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

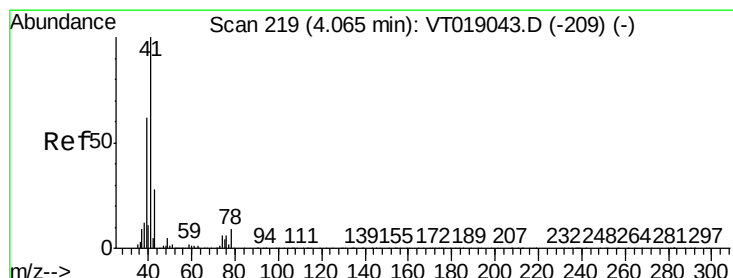
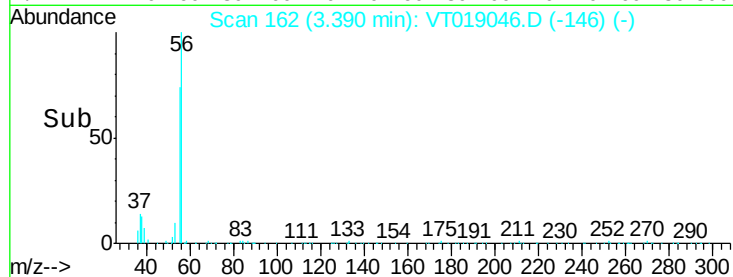
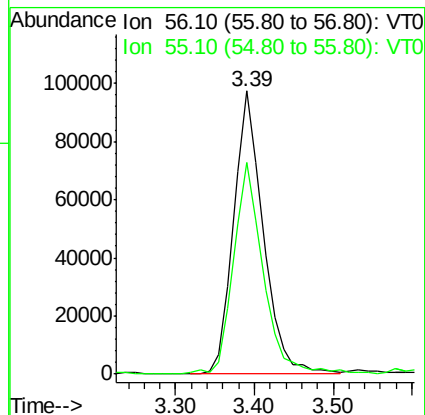
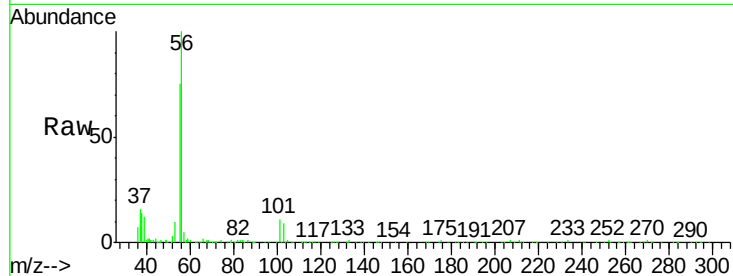
VSTDIC150

Tot Ion: 56 Resp: 253708

Ion Ratio Lower Upper

56 100

55 74.8 60.8 91.2



#14

Allyl chloride

Concen: 155.12 ug/l m

RT: 4.05 min Scan# 218

Delta R.T. -0.01 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

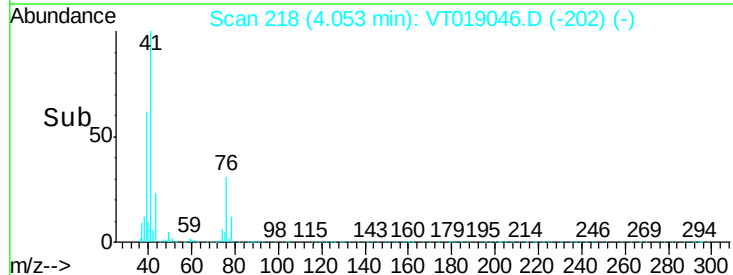
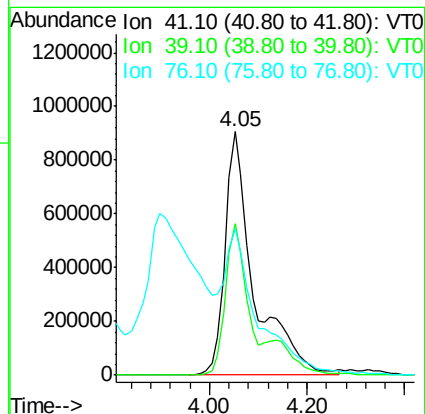
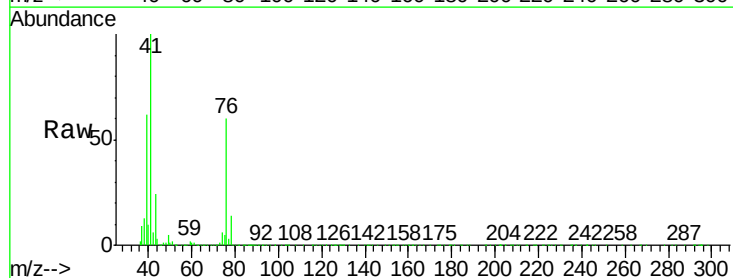
Tgt Ion: 41 Resp: 3732077

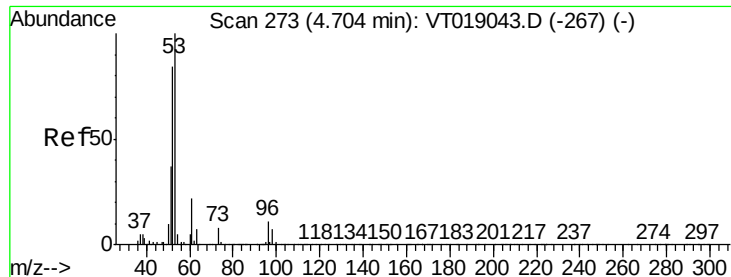
Ion Ratio Lower Upper

41 100

39 62.2 49.5 74.3

76 60.1 44.0 66.0





#15

Acrylonitrile

Concen: 700.02 ug/l

RT: 4.69 min Scan# 272

Delta R.T. -0.01 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC150

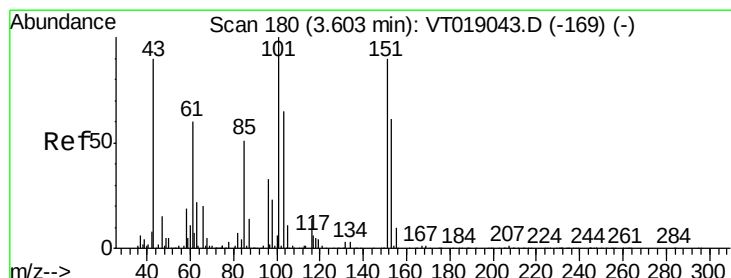
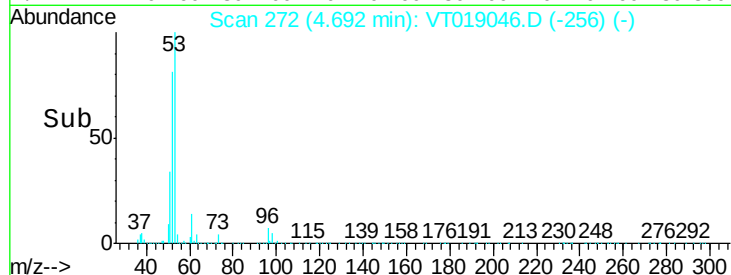
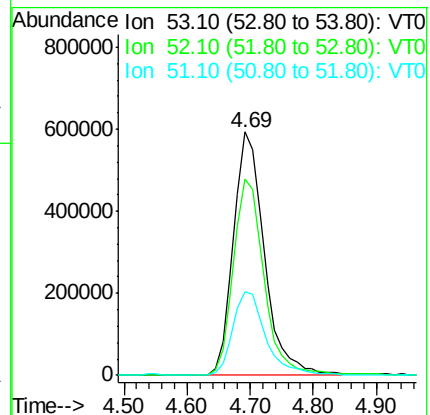
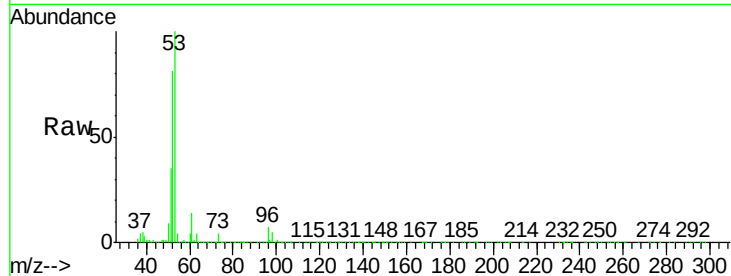
Tot Ion: 53 Resp: 2014922

Ion Ratio Lower Upper

53 100

52 80.6 67.4 101.0

51 34.6 29.6 44.4



#16

Acetone

Concen: 356.78 ug/l

RT: 3.59 min Scan# 179

Delta R.T. -0.01 min

Lab File: VT019046.D

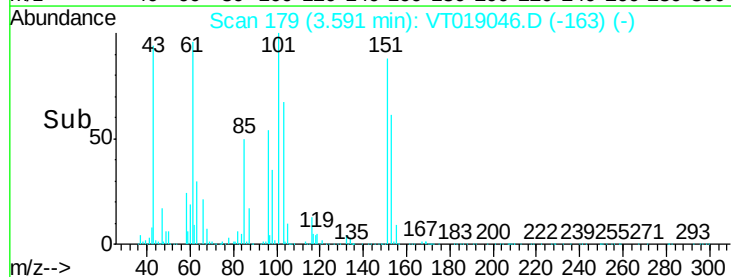
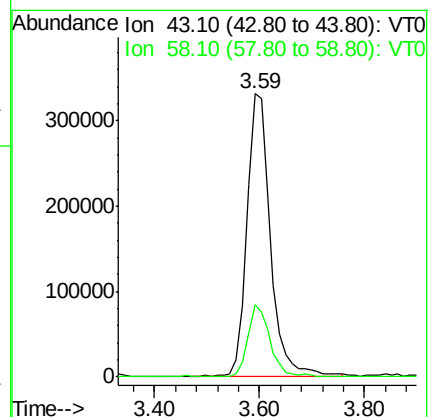
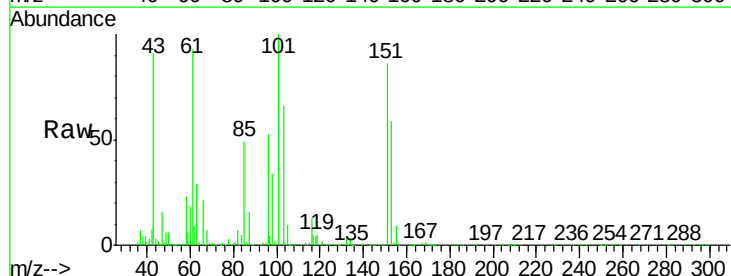
Acq: 8 May 2018 20:21

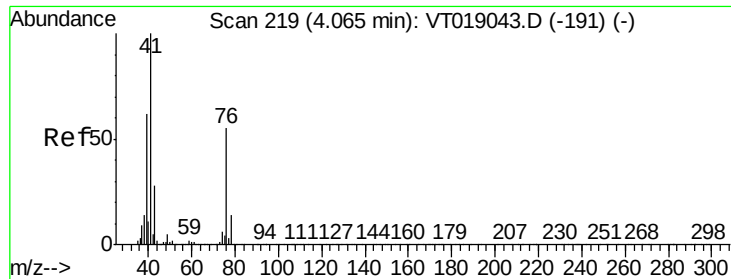
Tgt Ion: 43 Resp: 1025405

Ion Ratio Lower Upper

43 100

58 25.4 16.7 25.1#

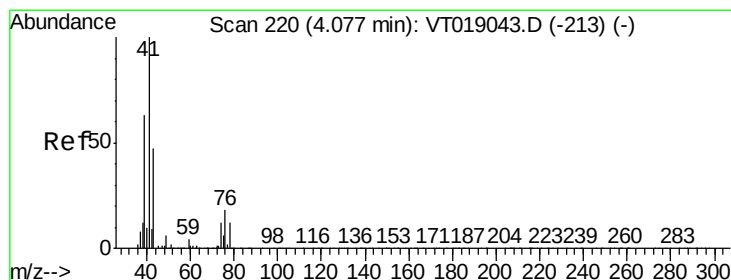
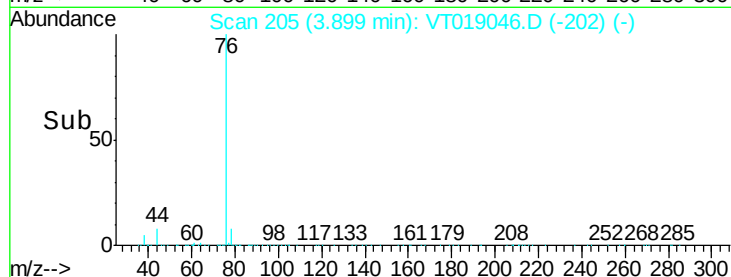
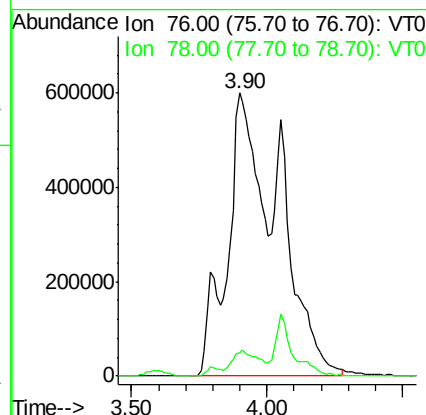
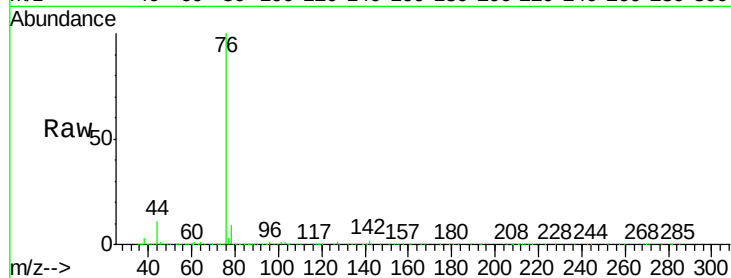




#17
Carbon Disulfide
Concen: 205.86 ug/l m
RT: 3.90 min Scan# 205
Delta R.T. -0.17 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

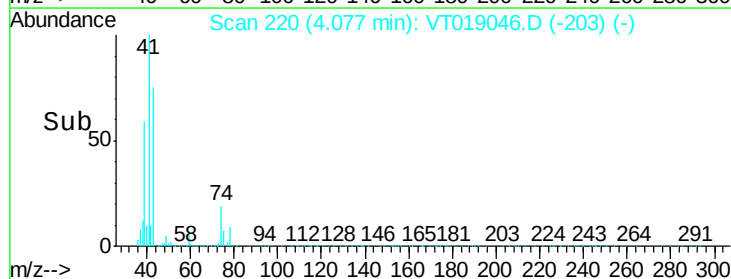
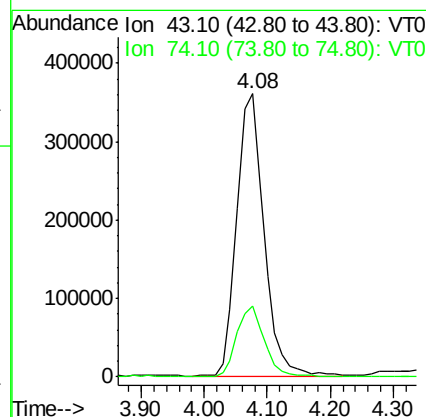
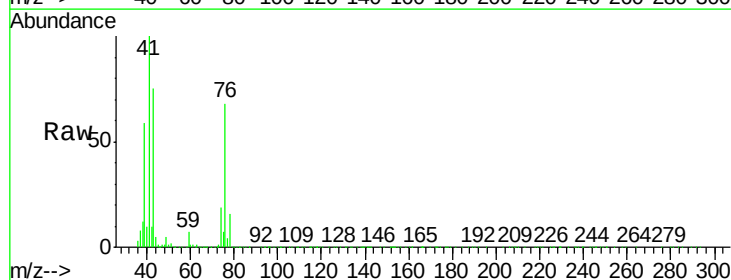
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

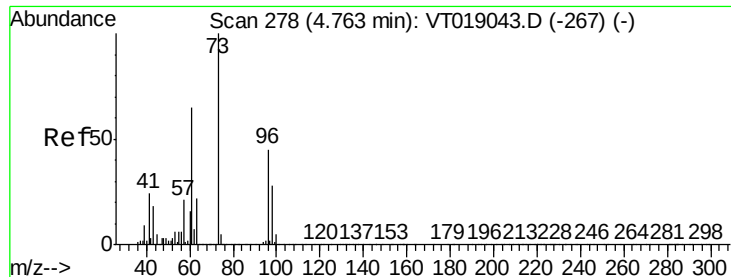
Tot Ion: 76 Resp: 7781502
Ion Ratio Lower Upper
76 100
78 8.5 19.8 29.8#



#18
Methyl Acetate
Concen: 87.41 ug/l
RT: 4.08 min Scan# 220
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Tgt Ion: 43 Resp: 1071255
Ion Ratio Lower Upper
43 100
74 25.1 19.8 29.8



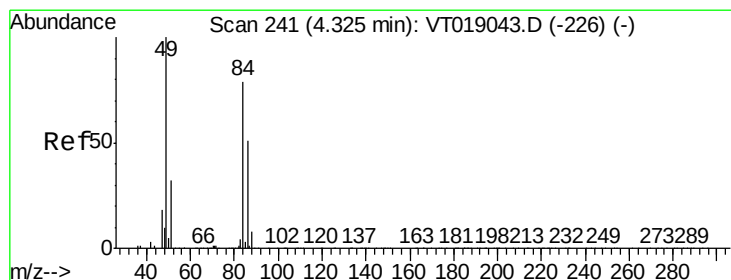
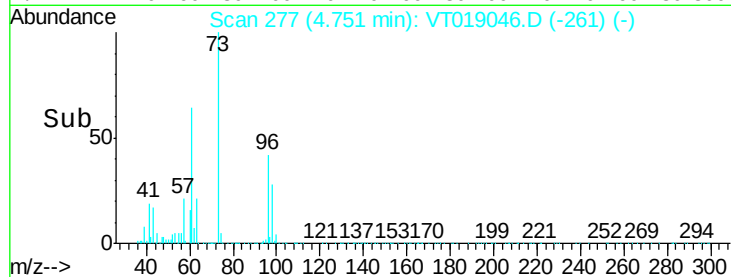
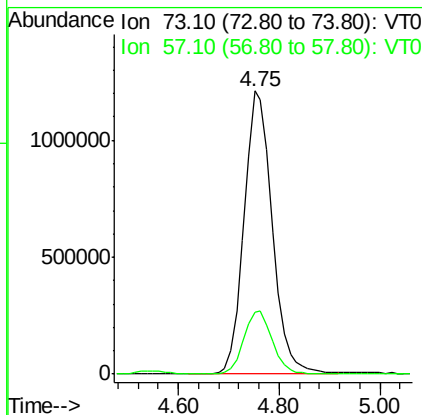
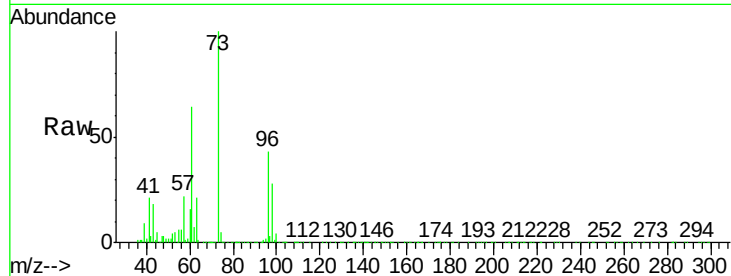


#19

Methyl tert-butyl Ether
 Concen: 180.25 ug/l
 RT: 4.75 min Scan# 277
 Delta R.T. -0.01 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC150

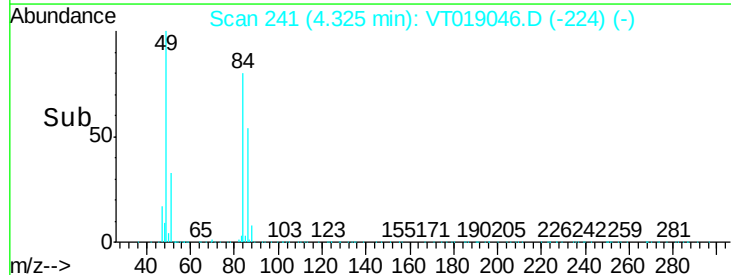
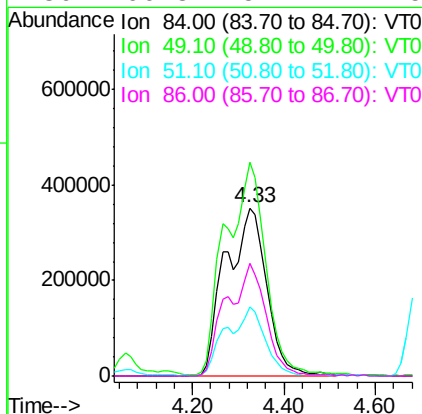
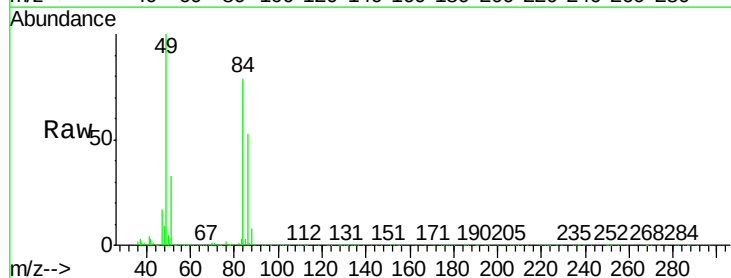
Tot Ion: 73 Resp: 4694410
 Ion Ratio Lower Upper
 73 100
 57 21.9 16.6 25.0

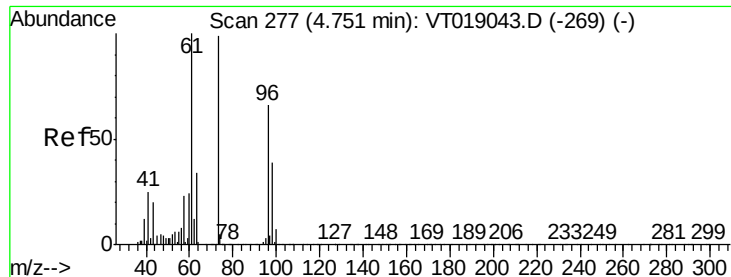


#20

Methylene Chloride
 Concen: 136.60 ug/l m
 RT: 4.33 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

Tgt Ion: 84 Resp: 2187585
 Ion Ratio Lower Upper
 84 100
 49 127.0 103.0 154.4
 51 41.5 33.3 49.9
 86 66.8 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 173.50 ug/l

RT: 4.74 min Scan# 276

Delta R.T. -0.01 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC150

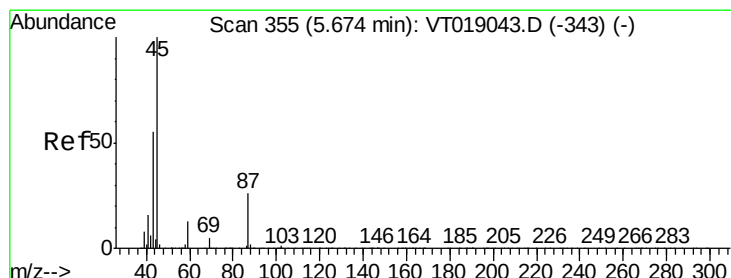
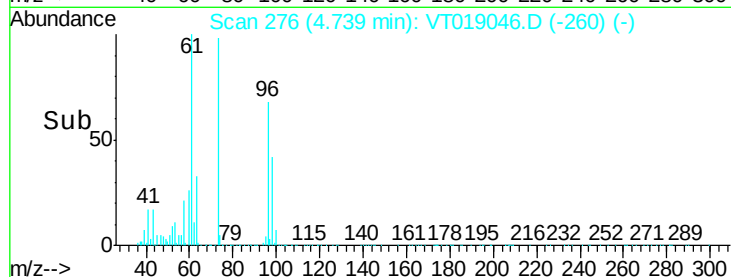
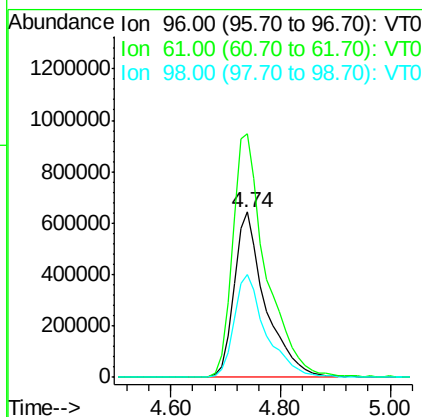
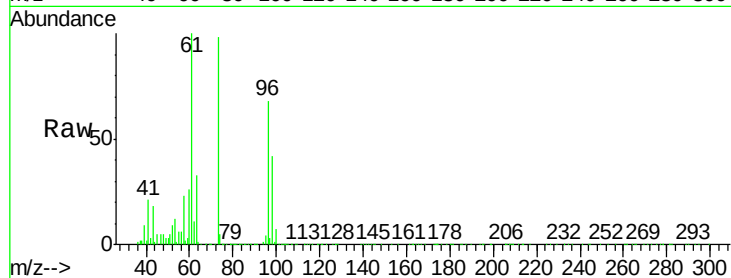
Tot Ion: 96 Resp: 2565522

Ion Ratio Lower Upper

96 100

61 147.5 120.8 181.2

98 62.3 47.4 71.2



#22

Diisopropyl ether

Concen: 160.95 ug/l

RT: 5.67 min Scan# 355

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Tgt Ion: 45 Resp: 6839999

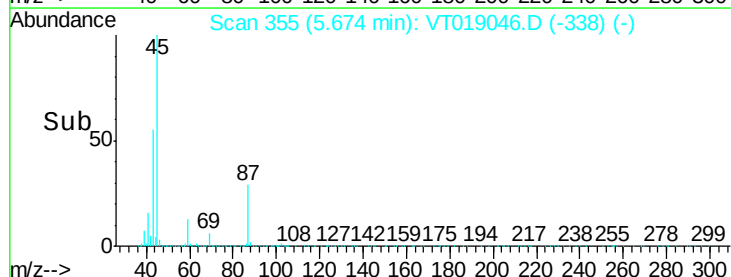
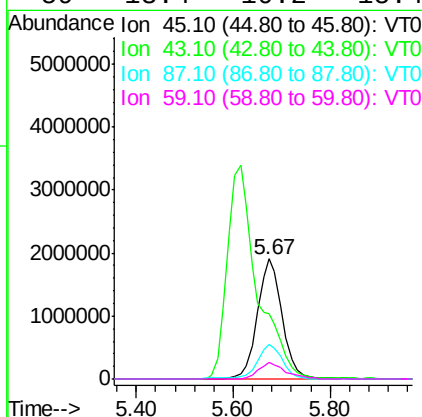
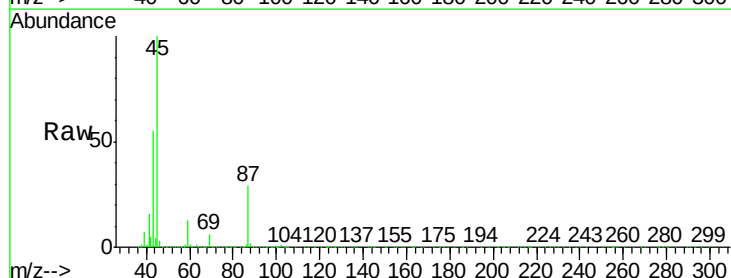
Ion Ratio Lower Upper

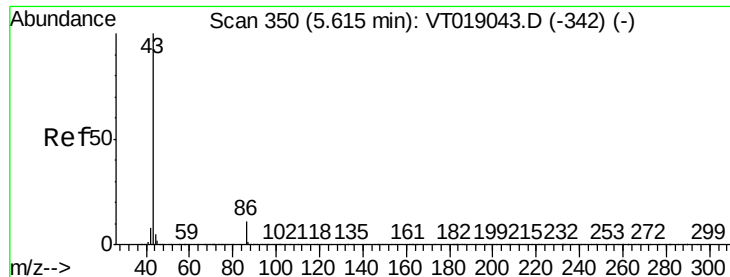
45 100

43 54.6 43.8 65.6

87 29.1 20.8 31.2

59 13.4 10.2 15.4





#23

Vinyl Acetate

Concen: 926.60 ug/l

RT: 5.61 min Scan# 350

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

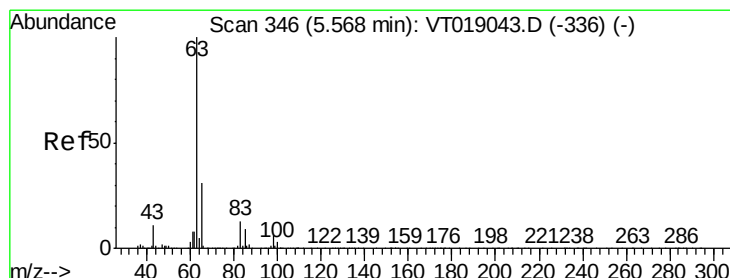
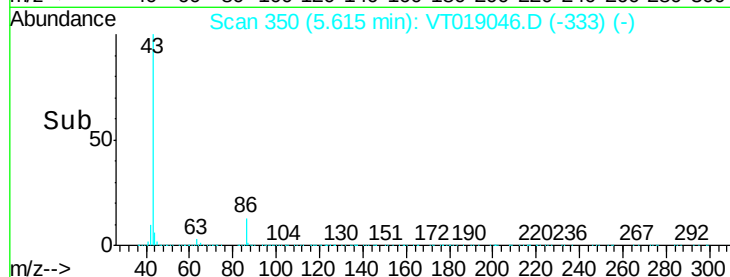
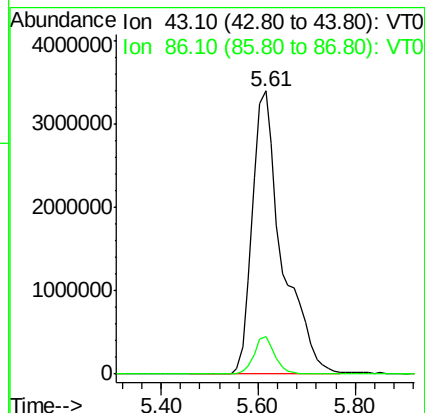
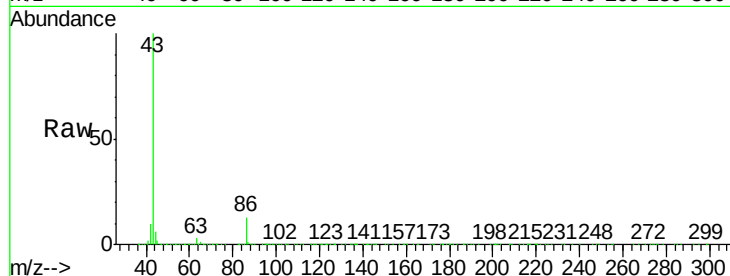
VSTDIC150

Tot Ion: 43 Resp:14633174

Ion Ratio Lower Upper

43 100

86 13.4 8.6 13.0#



#24

1,1-Dichloroethane

Concen: 192.51 ug/l

RT: 5.56 min Scan# 345

Delta R.T. -0.01 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

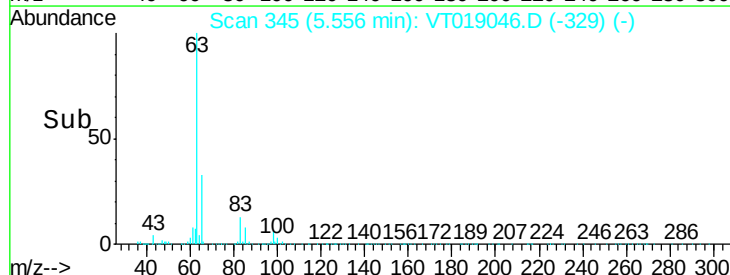
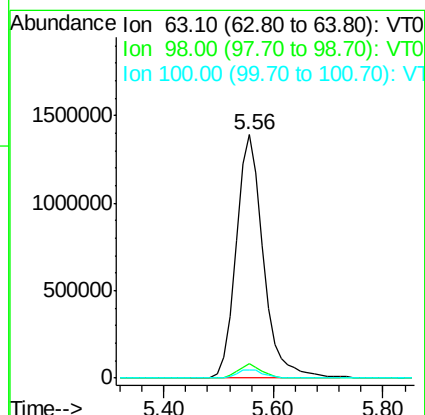
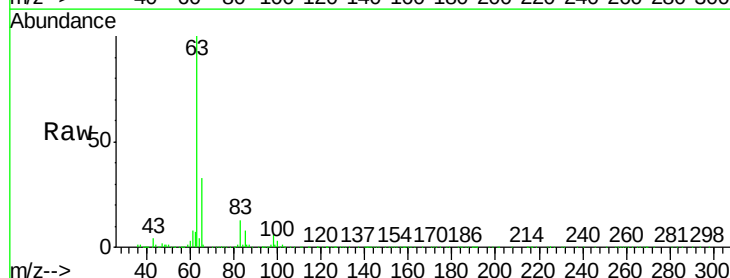
Tgt Ion: 63 Resp: 4838360

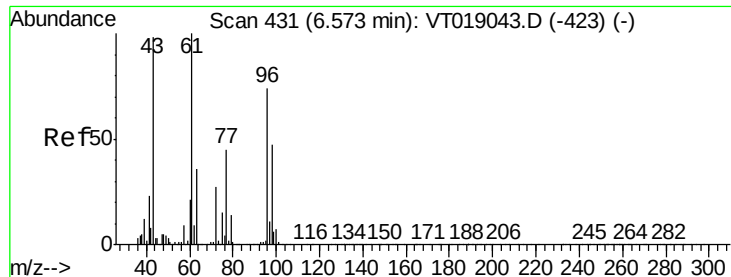
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.4 1.7 5.1

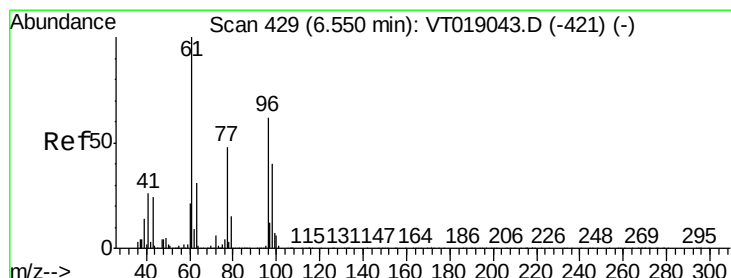
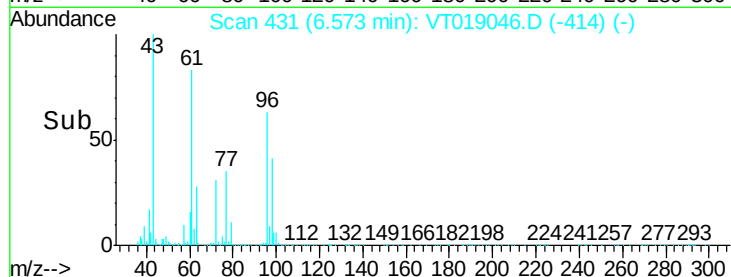
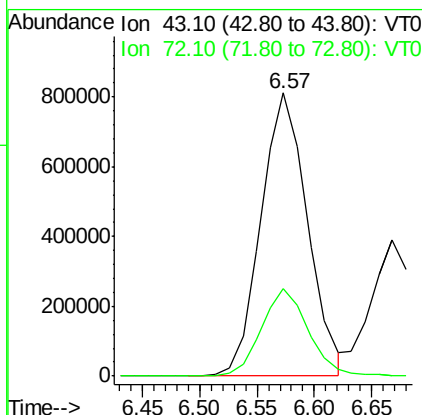
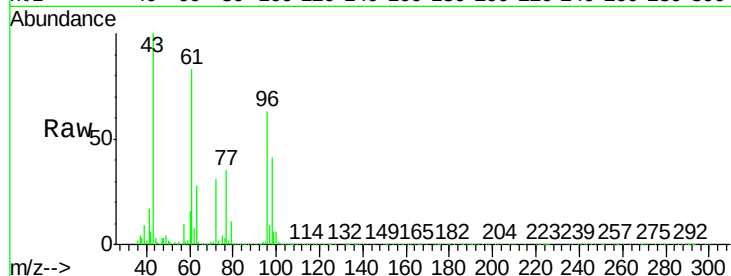




#25
 2-Butanone
 Concen: 581.55 ug/l
 RT: 6.57 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

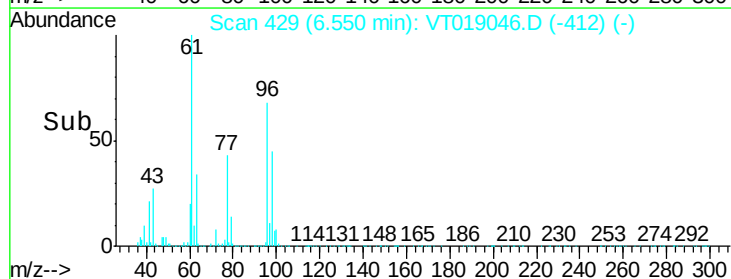
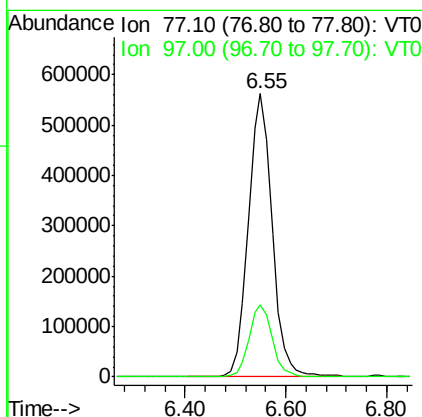
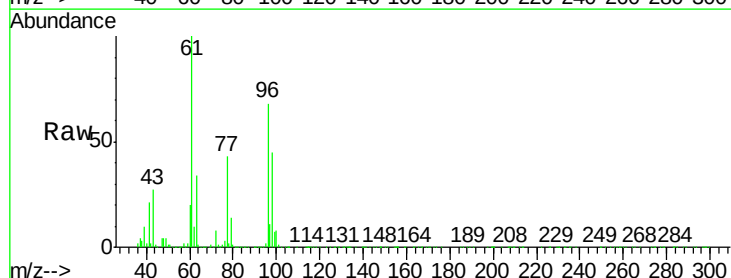
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC150

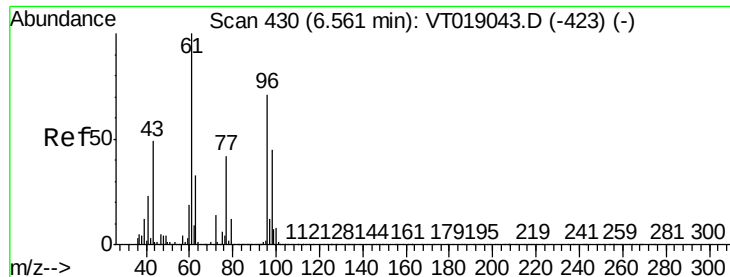
Tot Ion: 43 Resp: 2281959
 Ion Ratio Lower Upper
 43 100
 72 30.8 22.1 33.1



#26
 2,2-Dichloropropane
 Concen: 155.34 ug/l
 RT: 6.55 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

Tgt Ion: 77 Resp: 1837638
 Ion Ratio Lower Upper
 77 100
 97 25.7 12.2 36.4



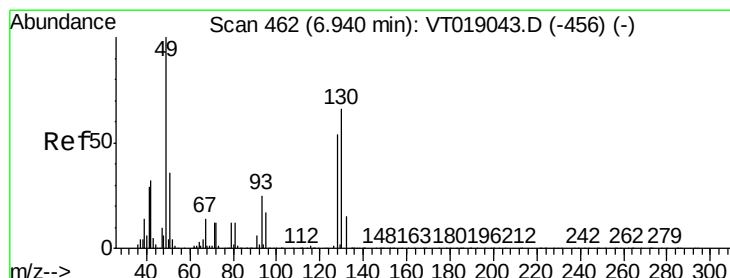
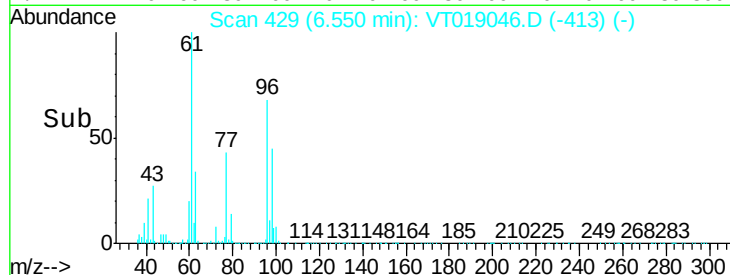
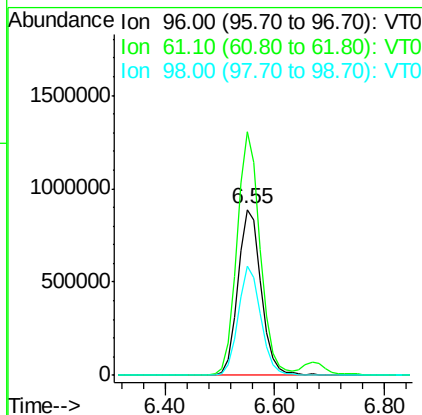
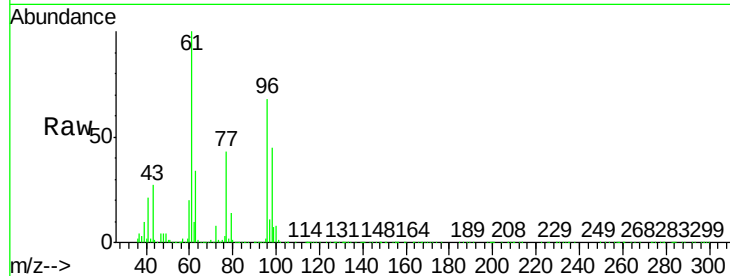


#27

cis-1,2-Dichloroethene
Concen: 183.83 ug/l
RT: 6.55 min Scan# 429
Delta R.T. -0.01 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

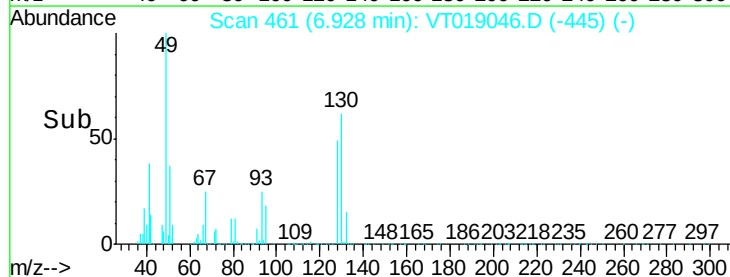
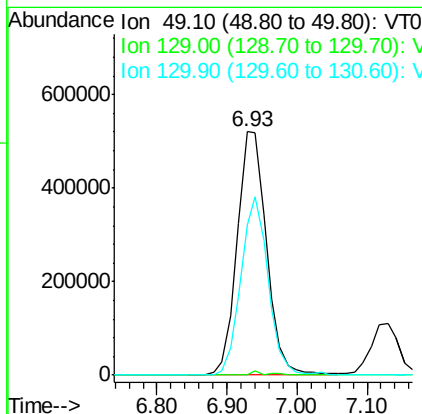
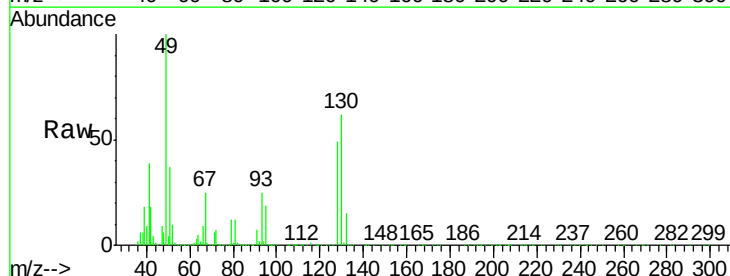
Tot Ion: 96 Resp: 2654317
Ion Ratio Lower Upper
96 100
61 146.7 0.0 282.0
98 65.5 0.0 125.8

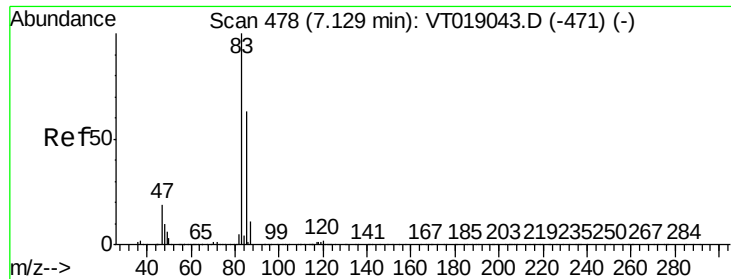


#28

Bromochloromethane
Concen: 148.48 ug/l
RT: 6.93 min Scan# 461
Delta R.T. -0.01 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Tgt Ion: 49 Resp: 1525330
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 61.9 52.4 78.6

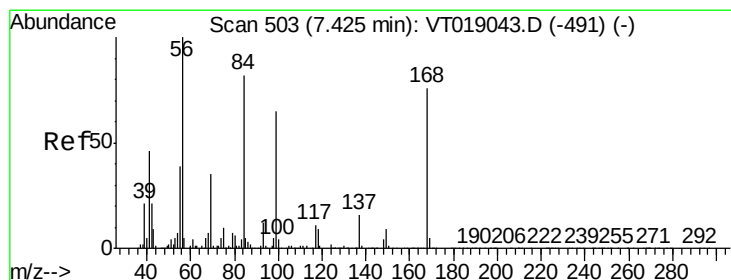
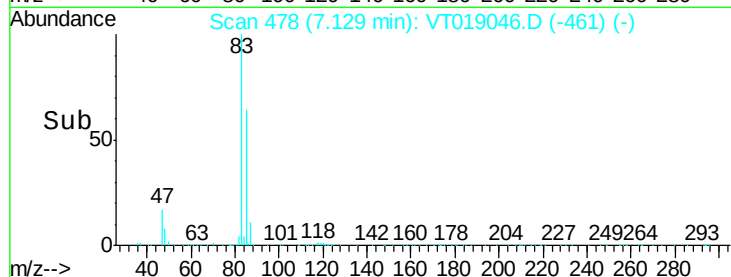
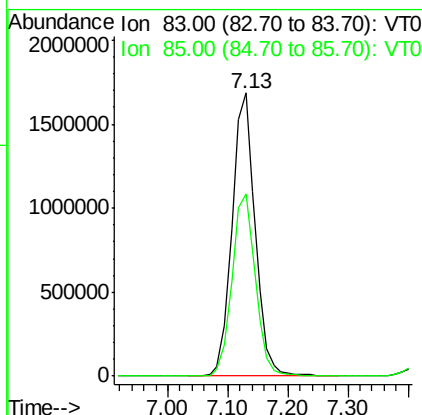
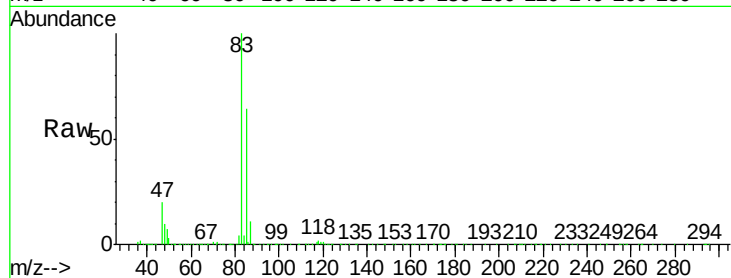




#29
Chloroform
Concen: 196.94 ug/l
RT: 7.13 min Scan# 478
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

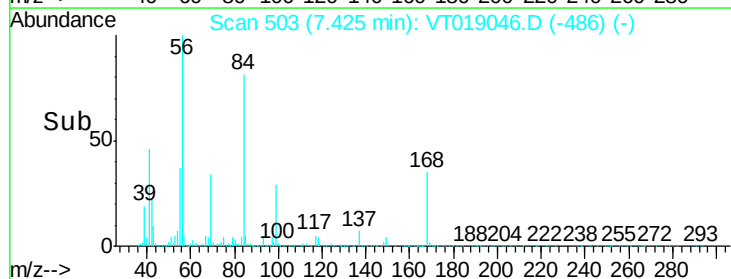
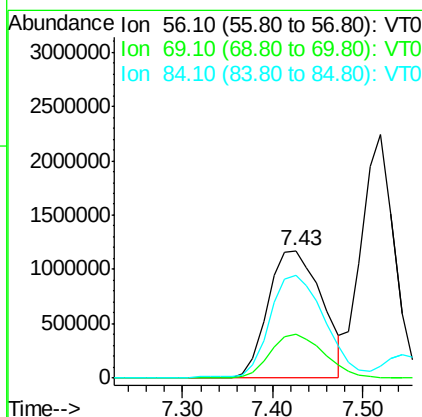
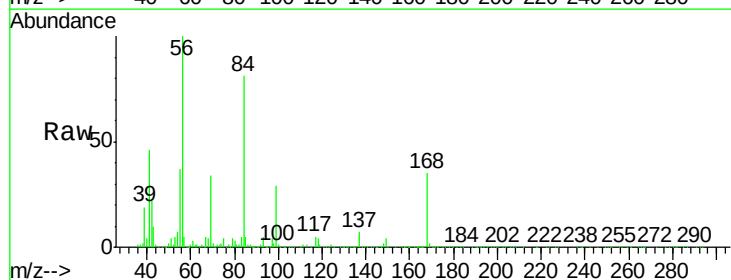
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

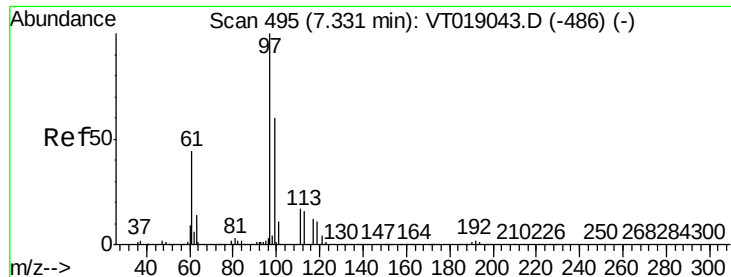
Tot Ion: 83 Resp: 4532263
Ion Ratio Lower Upper
83 100
85 64.4 50.6 76.0



#30
Cyclohexane
Concen: 171.97 ug/l
RT: 7.43 min Scan# 503
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Tgt Ion: 56 Resp: 4918810
Ion Ratio Lower Upper
56 100
69 34.1 28.2 42.2
84 81.3 65.6 98.4





#31

1,1,1-Trichloroethane

Concen: 206.26 ug/l

RT: 7.33 min Scan# 495

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

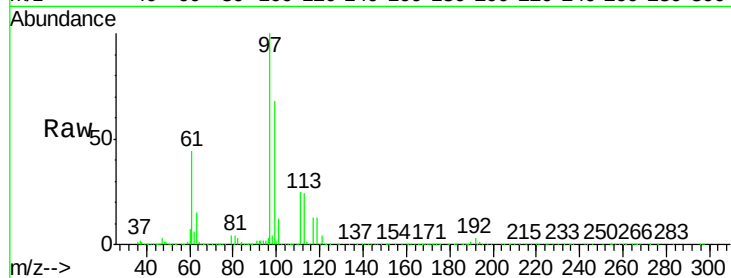
MSVOA_T

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 3633120

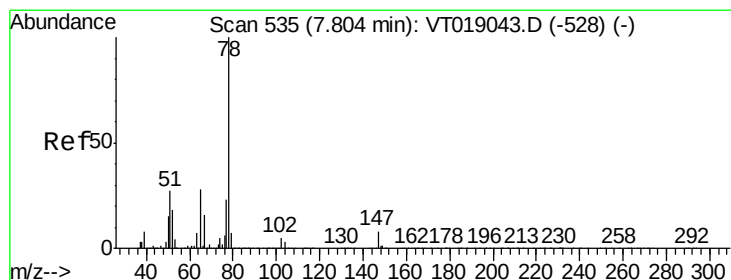
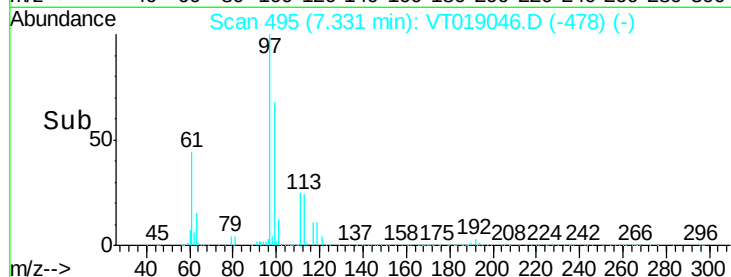
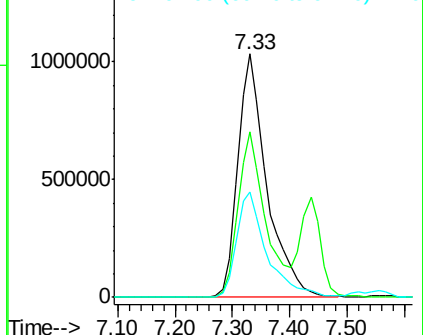
Ion	Ratio	Lower	Upper
97	100		
99	67.8	47.6	71.4
61	43.5	35.3	52.9



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: 168.53 ug/l

RT: 7.80 min Scan# 535

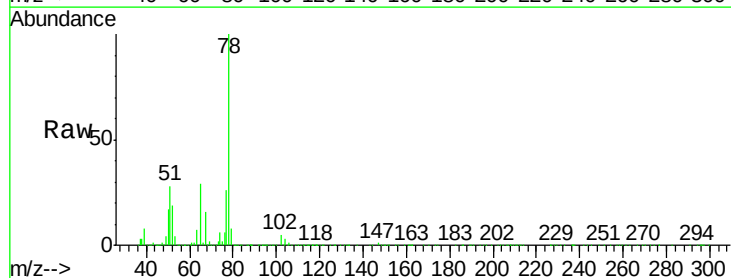
Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

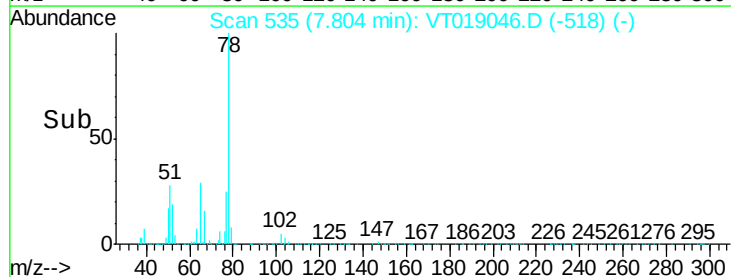
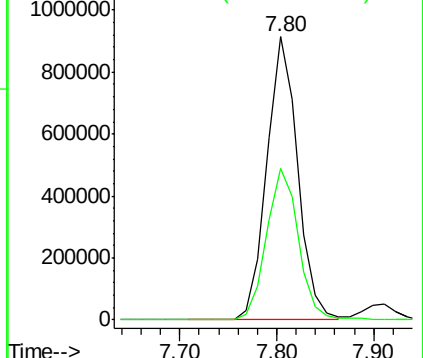
Tgt Ion: 65 Resp: 2006026

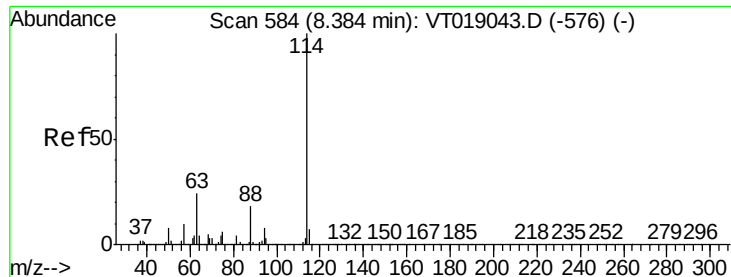
Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	114.2



Abundance Ion 65.10 (64.80 to 65.80): VT0

Ion 67.10 (66.80 to 67.80): VT0

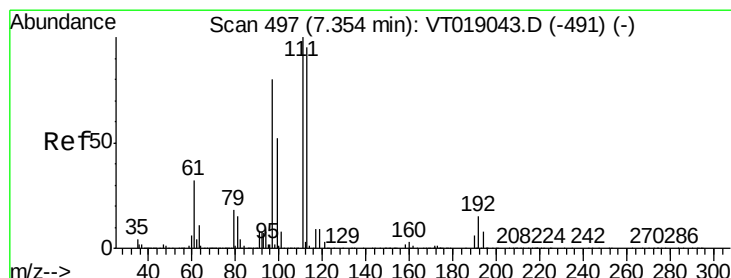
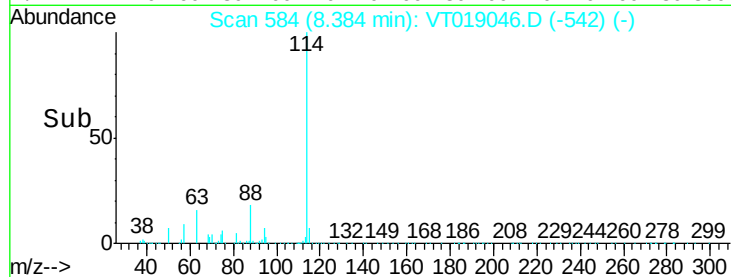
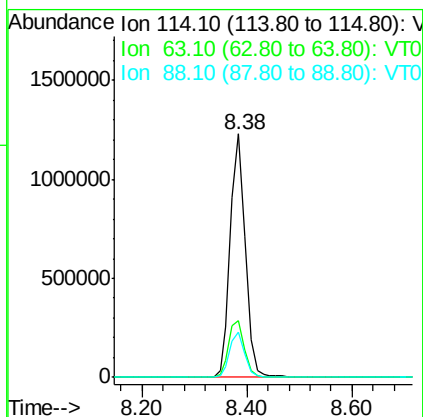
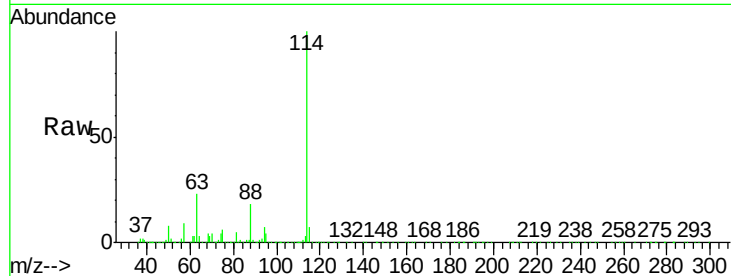




#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.38 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

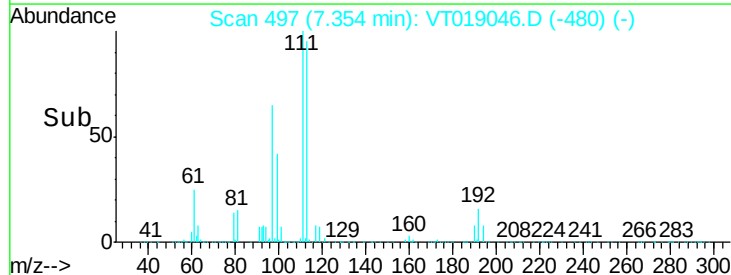
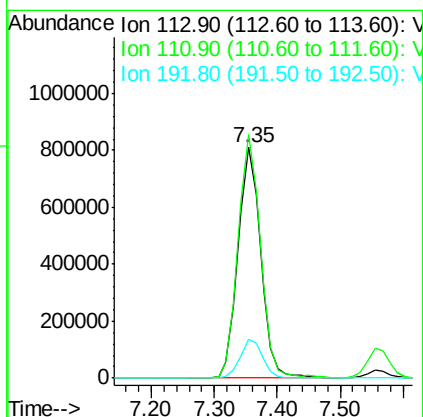
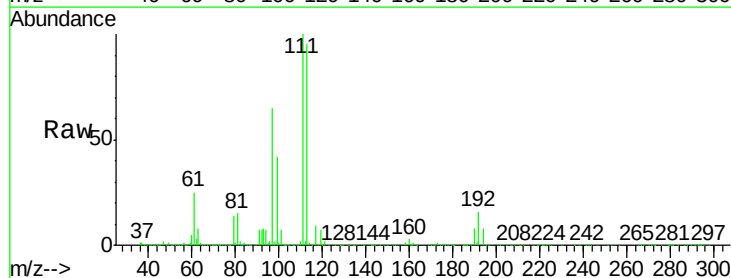
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC150

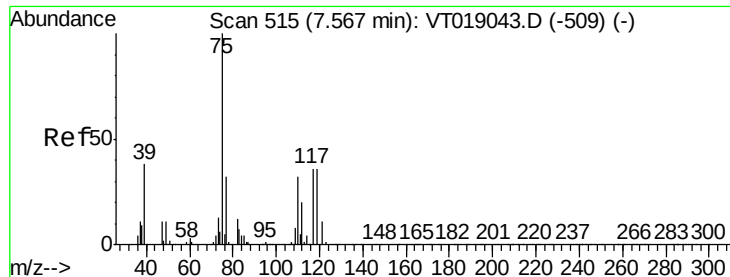
Tot Ion:114 Resp: 2426515
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 48.8
 88 18.3 0.0 37.0



#34
 Dibromofluoromethane
 Concen: 153.71 ug/l
 RT: 7.35 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

Tgt Ion:113 Resp: 2019968
 Ion Ratio Lower Upper
 113 100
 111 105.7 84.0 126.0
 192 16.8 12.9 19.3





#35

1,1-Dichloropropene

Concen: 172.86 ug/l

RT: 7.56 min Scan# 514

Delta R.T. -0.01 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC150

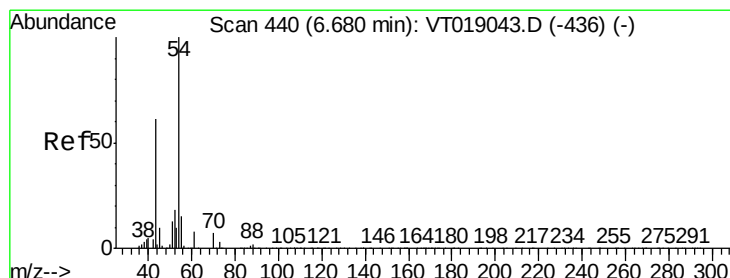
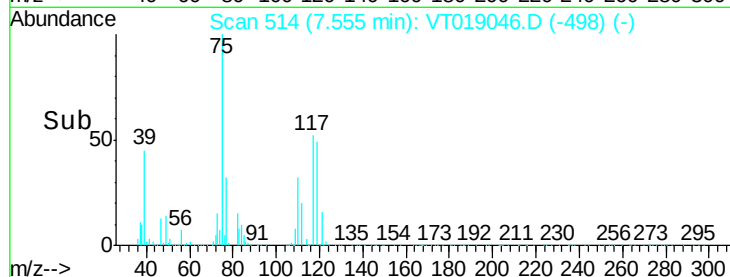
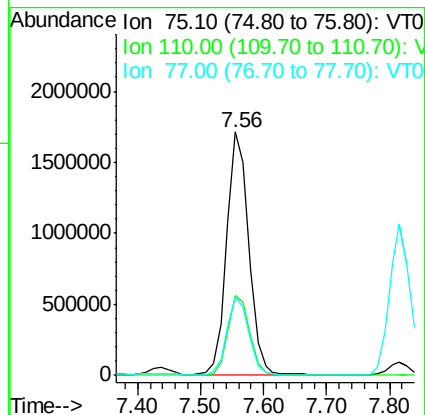
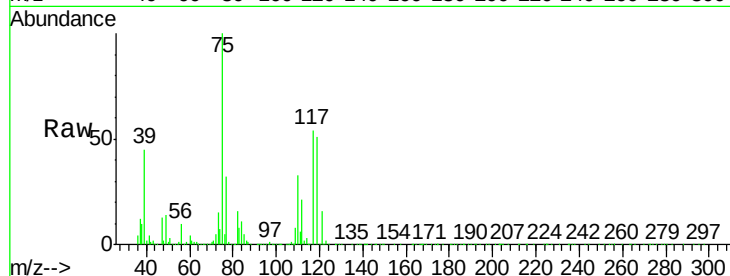
Tot Ion: 75 Resp: 4143987

Ion Ratio Lower Upper

75 100

110 32.6 15.9 47.6

77 32.5 25.9 38.9



#36

Ethyl Acetate

Concen: 125.53 ug/l

RT: 6.67 min Scan# 439

Delta R.T. -0.01 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

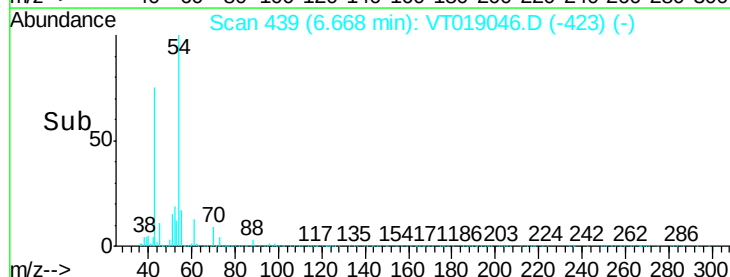
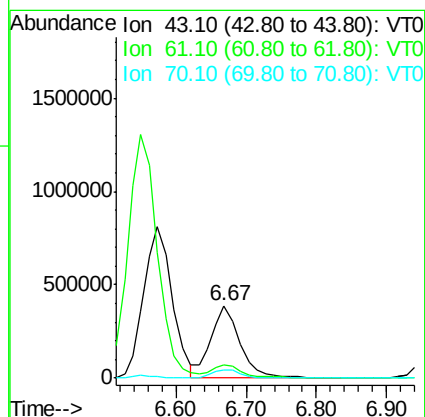
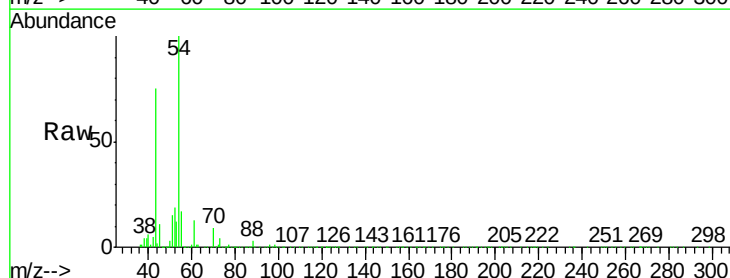
Tgt Ion: 43 Resp: 1112426

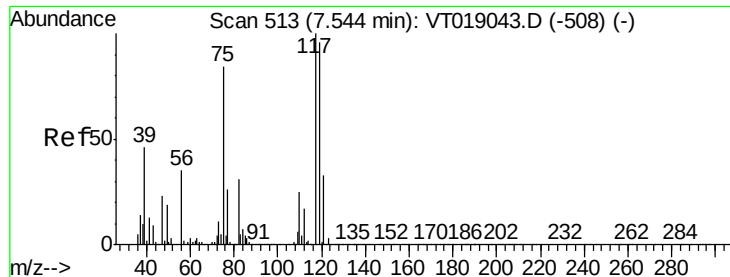
Ion Ratio Lower Upper

43 100

61 17.6 14.2 21.2

70 11.8 8.4 12.6





#37

Carbon Tetrachloride

Concen: 177.90 ug/l

RT: 7.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC150

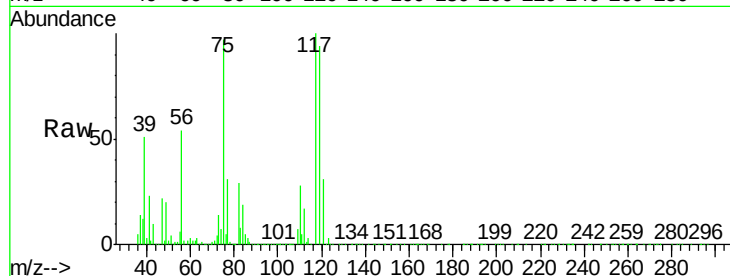
Tot Ion:117 Resp: 3568463

Ion Ratio Lower Upper

117 100

119 93.8 76.5 114.7

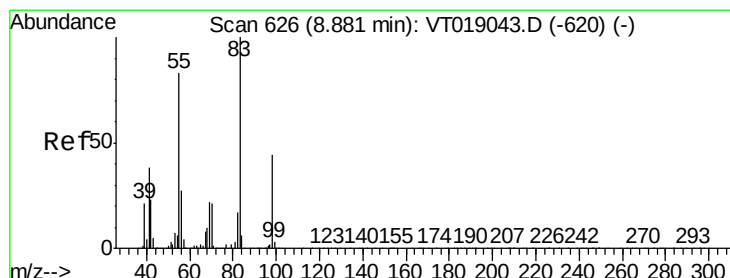
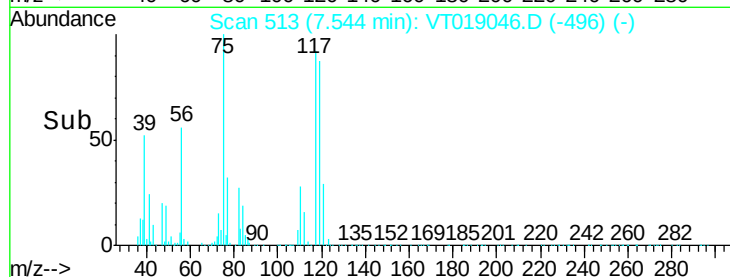
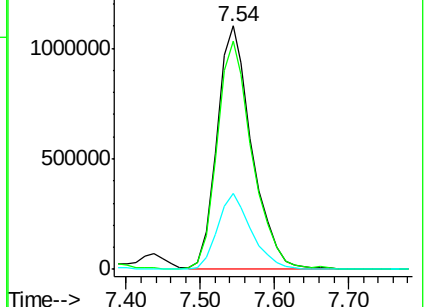
121 31.4 26.0 39.0



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: 165.72 ug/l

RT: 8.88 min Scan# 626

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

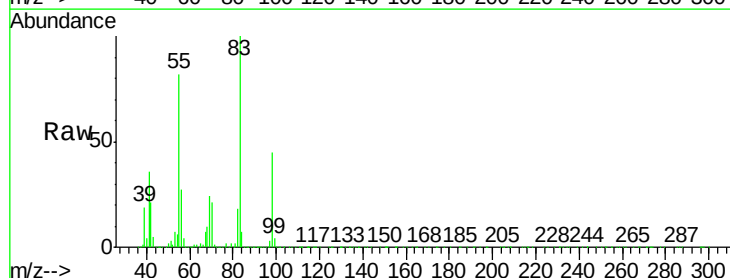
Tgt Ion: 83 Resp: 5076381

Ion Ratio Lower Upper

83 100

55 82.2 66.7 100.1

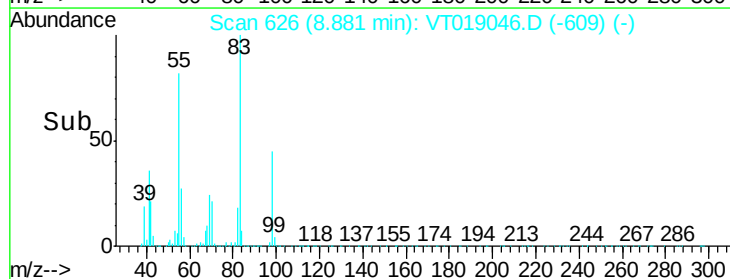
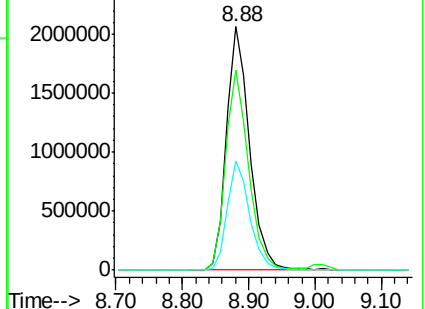
98 44.8 35.5 53.3

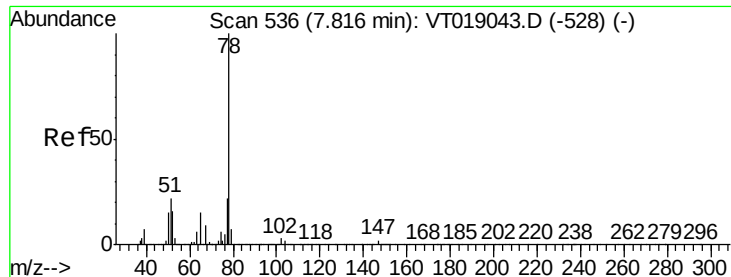


Abundance Ion 83.10 (82.80 to 83.80): VT0

Ion 55.10 (54.80 to 55.80): VT0

Ion 98.10 (97.80 to 98.80): VT0





#39

Benzene

Concen: 146.08 ug/l

RT: 7.82 min Scan# 536

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

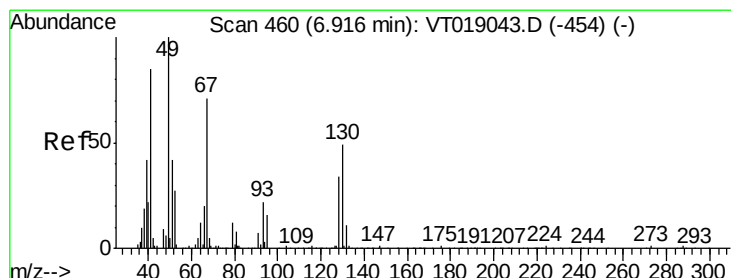
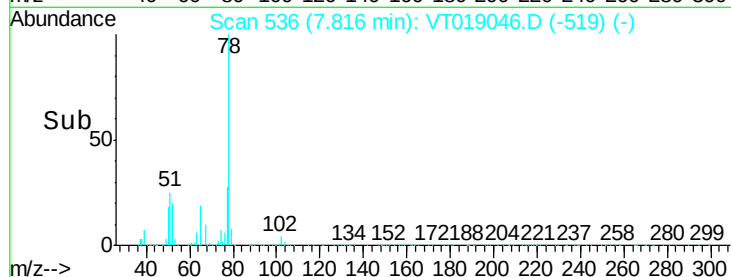
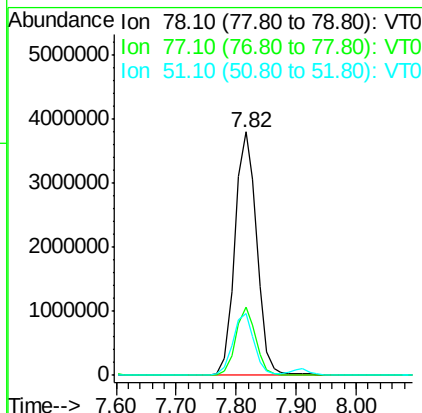
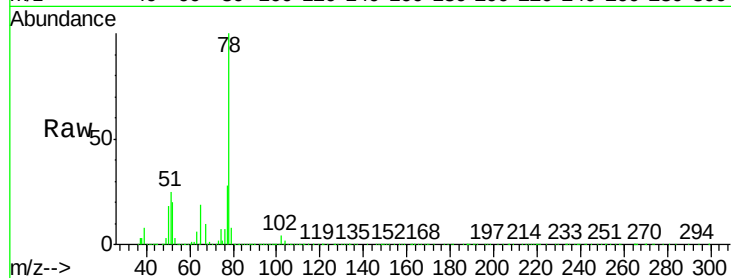
MSVOA_T

ClientSampleId :

VSTDIC150

Tot Ion: 78 Resp: 9679224

Ion	Ratio	Lower	Upper
78	100		
77	28.1	18.0	27.0#
51	25.3	17.3	25.9



#40

Methacrylonitrile

Concen: 114.00 ug/l

RT: 6.92 min Scan# 460

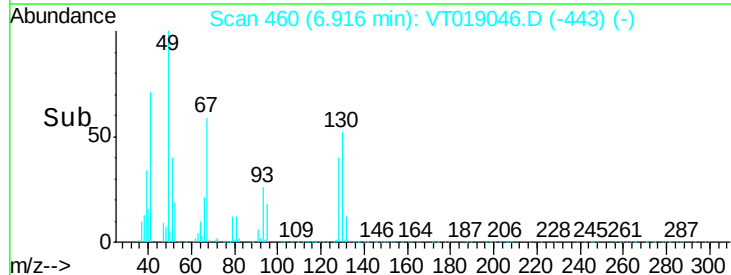
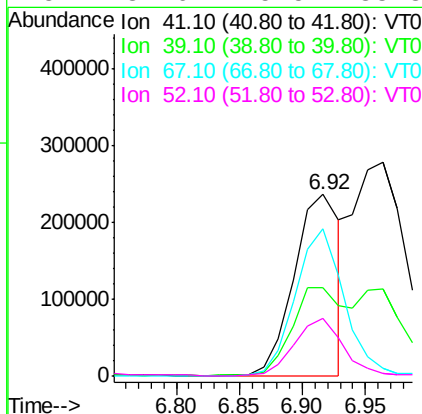
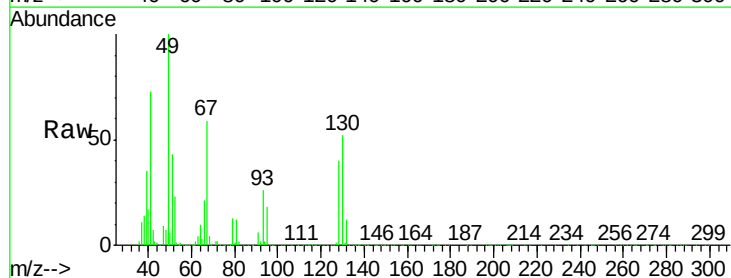
Delta R.T. -0.00 min

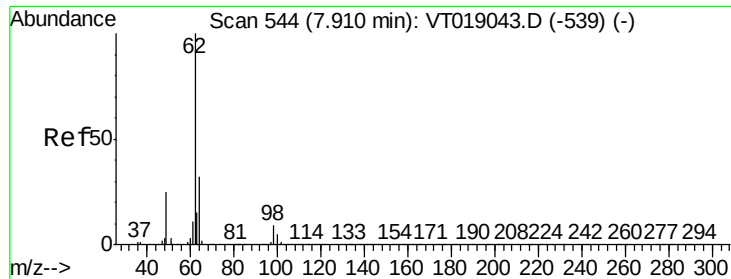
Lab File: VT019046.D

Acq: 8 May 2018 20:21

Tgt Ion: 41 Resp: 596294

Ion	Ratio	Lower	Upper
41	100		
39	48.3	39.4	59.0
67	81.2	66.8	100.2
52	31.6	25.5	38.3





#41

1,2-Dichloroethane

Concen: 146.56 ug/l

RT: 7.91 min Scan# 544

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

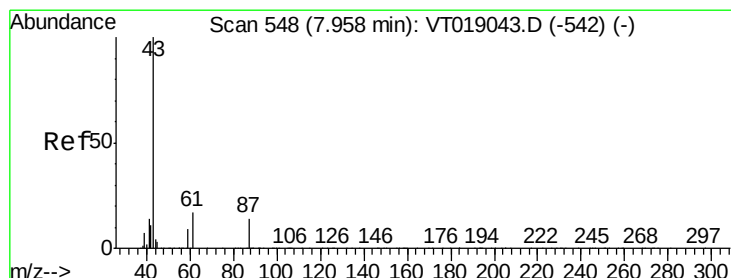
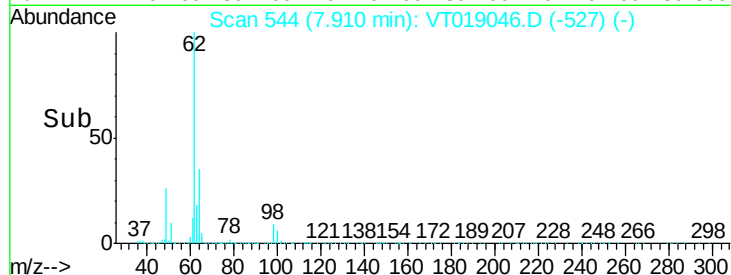
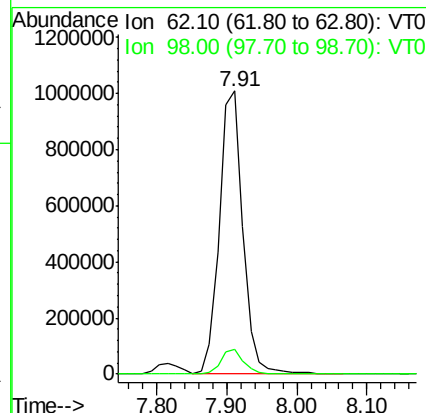
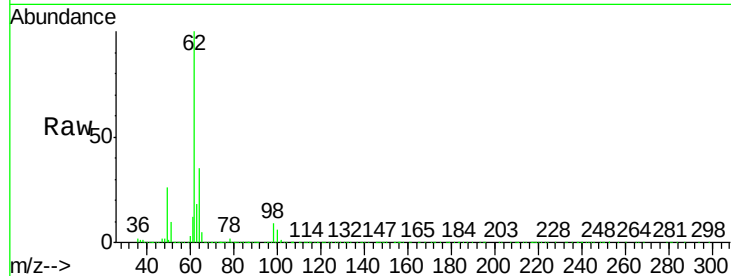
VSTDIC150

Tot Ion: 62 Resp: 2336432

Ion Ratio Lower Upper

62 100

98 8.8 0.0 17.4



#42

Isopropyl Acetate

Concen: 139.16 ug/l

RT: 7.96 min Scan# 548

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

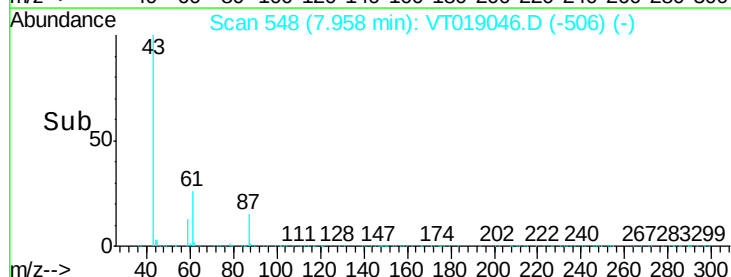
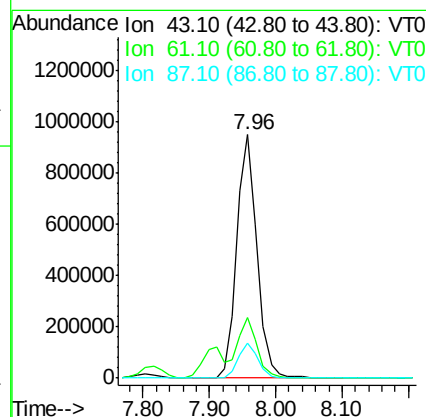
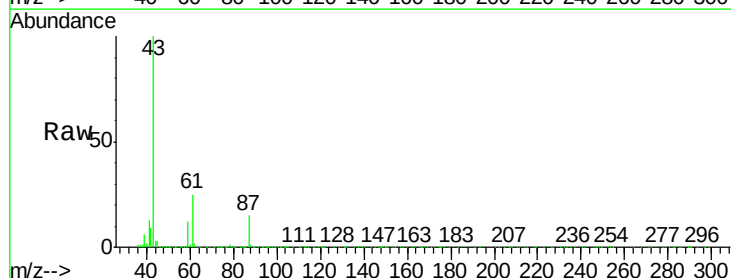
Tgt Ion: 43 Resp: 2022081

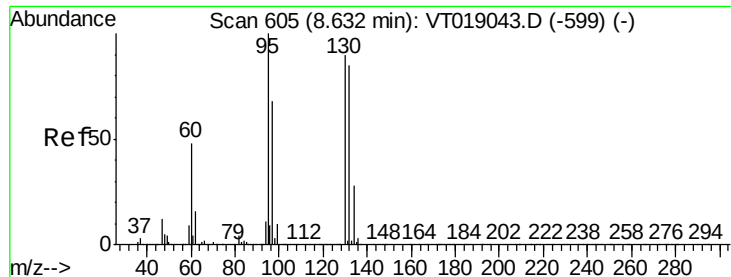
Ion Ratio Lower Upper

43 100

61 25.0 17.9 26.9

87 14.5 11.0 16.6





#43

Trichloroethene

Concen: 151.44 ug/l

RT: 8.63 min Scan# 605

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

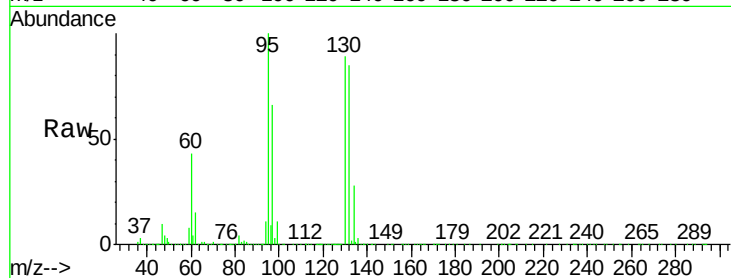
VSTDIC150

Tot Ion:130 Resp: 2544441

Ion Ratio Lower Upper

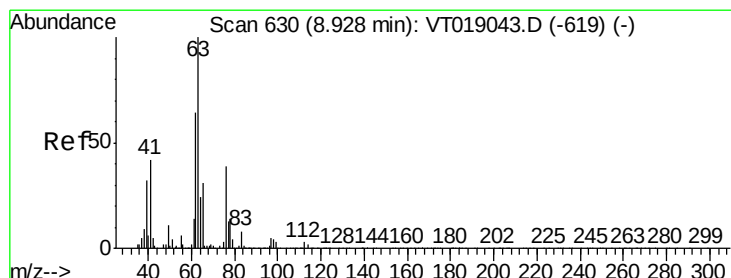
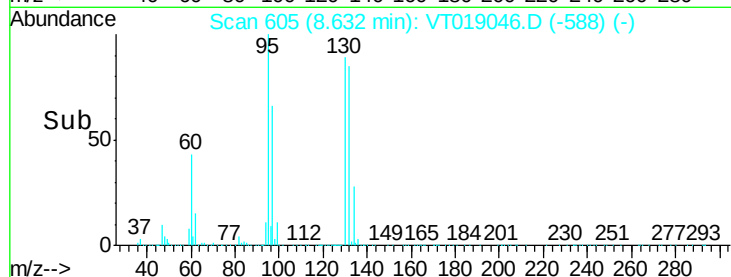
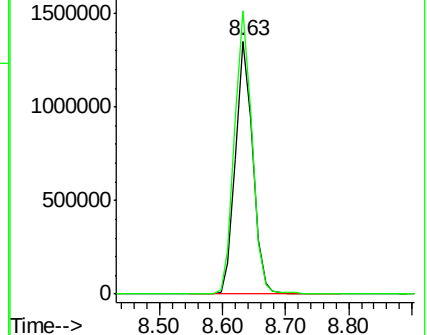
130 100

95 111.9 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: 161.59 ug/l

RT: 8.92 min Scan# 629

Delta R.T. -0.01 min

Lab File: VT019046.D

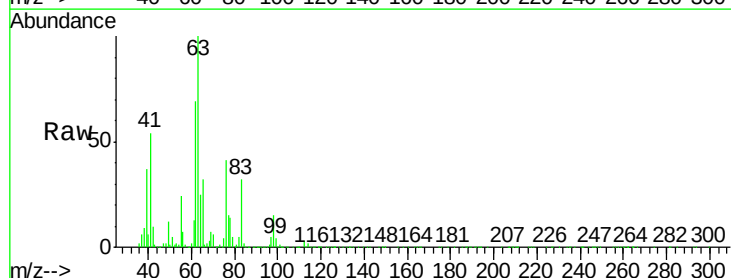
Acq: 8 May 2018 20:21

Tgt Ion: 63 Resp: 2480849

Ion Ratio Lower Upper

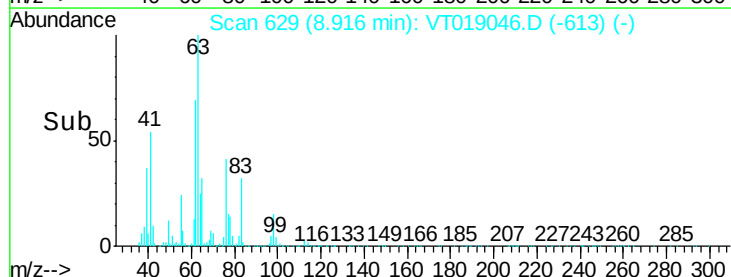
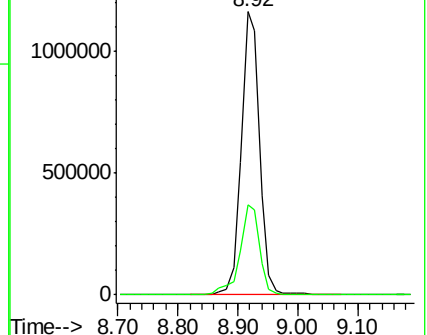
63 100

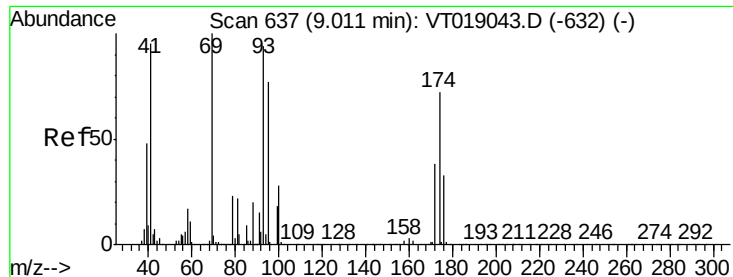
65 31.8 25.0 37.4



Abundance Ion 63.10 (62.80 to 63.80): VT0

Ion 65.10 (64.80 to 65.80): VT0





#45

Dibromomethane

Concen: 151.78 ug/l

RT: 9.01 min Scan# 637

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

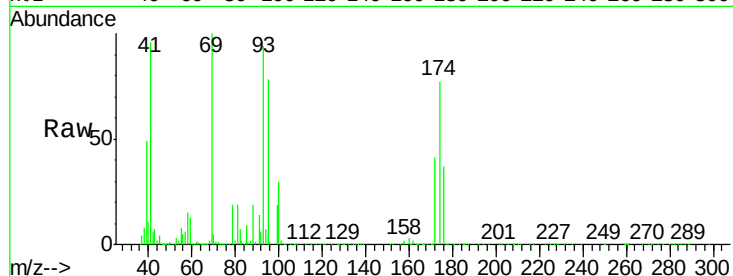
Tot Ion: 93 Resp: 1022785

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.5	98.3
174	82.4	60.9	91.3

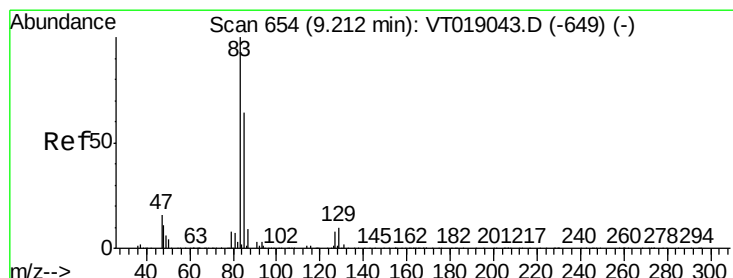
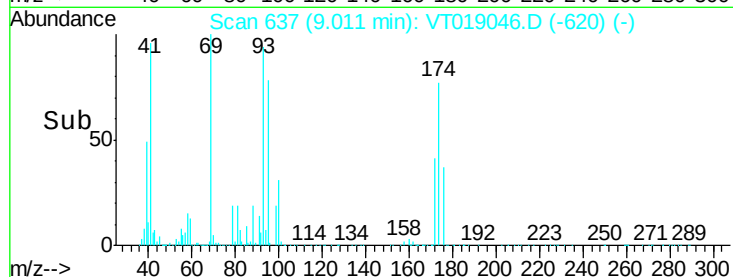
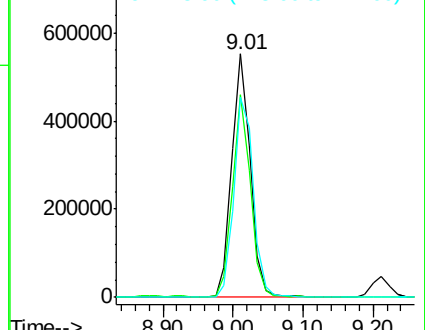
93 100

95 83.5 65.5 98.3

174 82.4 60.9 91.3



Abundance Ion 93.00 (92.70 to 93.70): VT0
Ion 95.00 (94.70 to 95.70): VT0
Ion 173.90 (173.60 to 174.60): V



#46

Bromodichloromethane

Concen: 172.12 ug/l

RT: 9.21 min Scan# 654

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

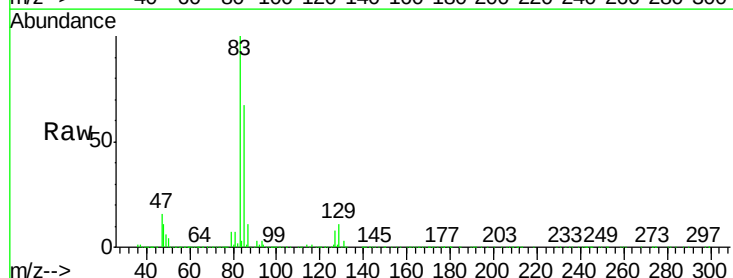
Tgt Ion: 83 Resp: 3018356

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.3	76.9
127	8.2	6.1	9.1

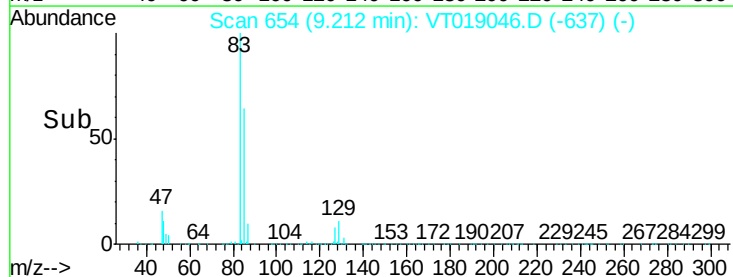
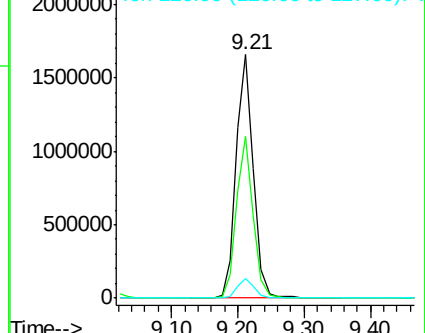
83 100

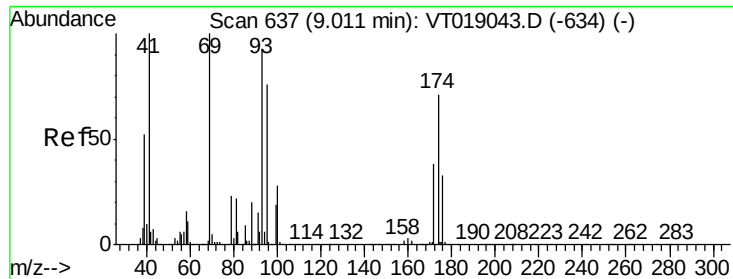
85 66.5 51.3 76.9

127 8.2 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VT0
Ion 85.00 (84.70 to 85.70): VT0
Ion 126.90 (126.60 to 127.60): V

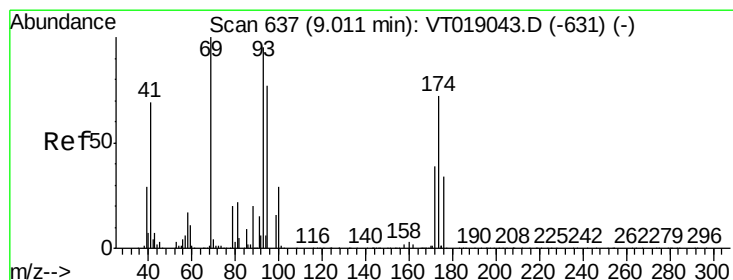
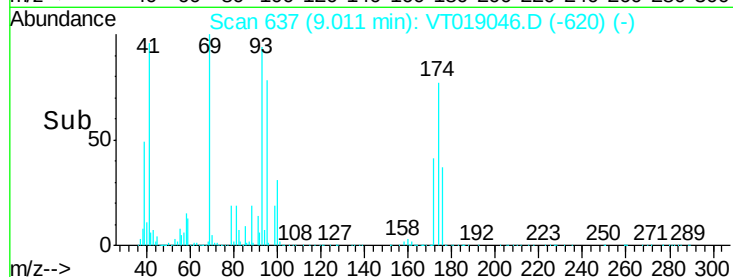
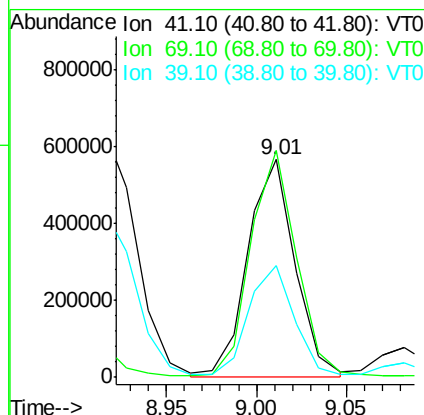
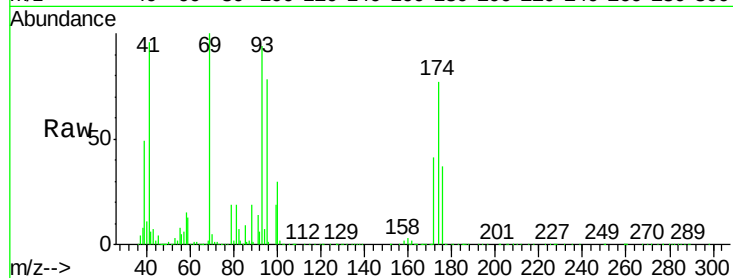




#47
Methvl methacrylate
Concen: 124.76 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

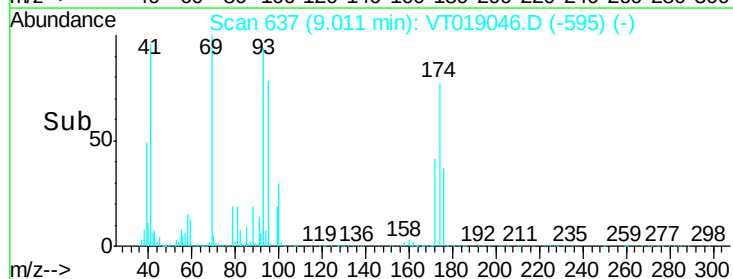
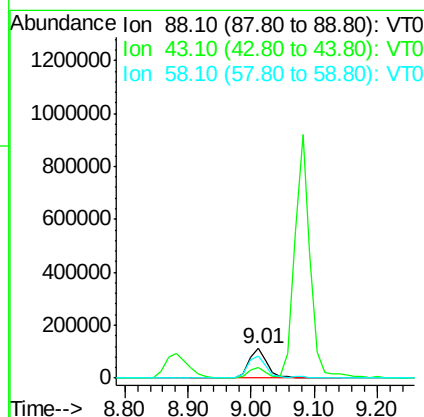
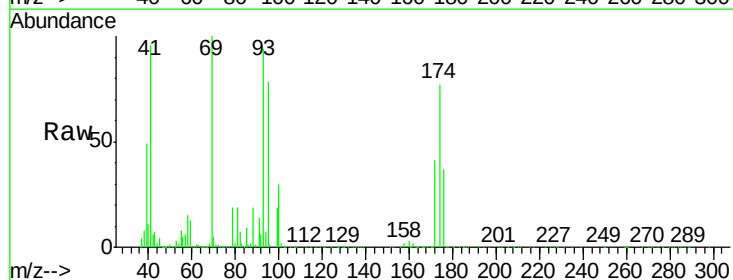
Instrument :
MSVOA_T
ClientSampled :
VSTDIC150

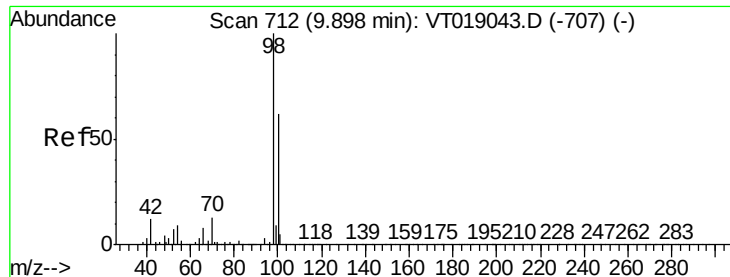
Tot Ion: 41 Resp: 1028010
Ion Ratio Lower Upper
41 100
69 104.2 78.4 117.6
39 51.2 41.4 62.2



#48
1,4-Dioxane
Concen: 2543.19 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Tgt Ion: 88 Resp: 230960
Ion Ratio Lower Upper
88 100
43 35.7 30.5 45.7
58 76.7 67.5 101.3





#49

Toluene-d8

Concen: 131.39 ug/l

RT: 9.91 min Scan# 713

Delta R.T. 0.01 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

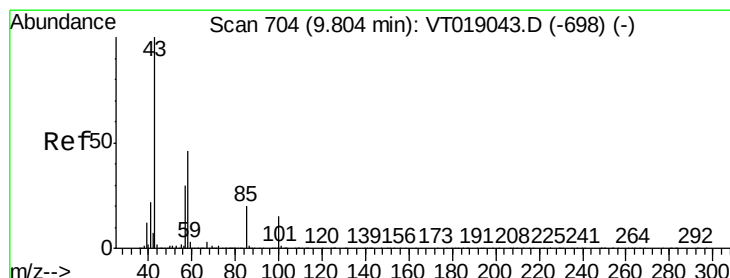
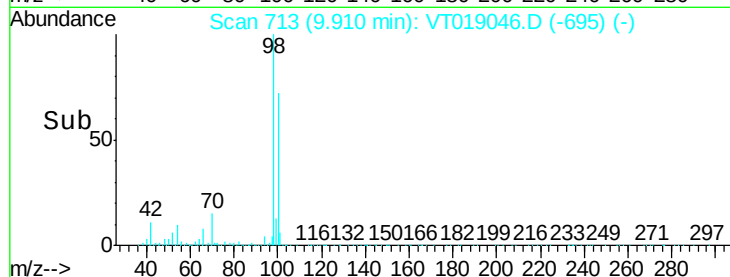
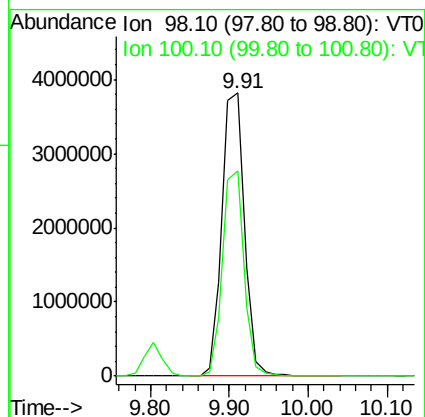
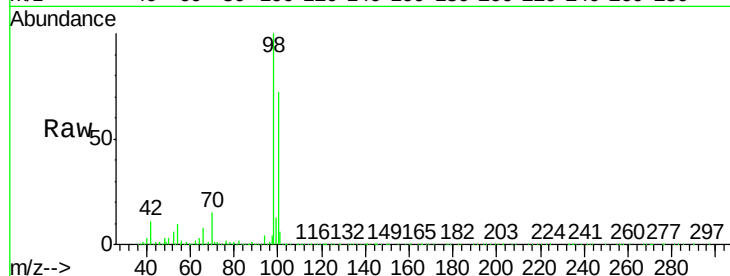
VSTDIC150

Tot Ion: 98 Resp: 7590702

Ion Ratio Lower Upper

98 100

100 72.5 50.0 75.0



#50

4-Methyl-2-Pentanone

Concen: 545.75 ug/l

RT: 9.80 min Scan# 704

Delta R.T. -0.00 min

Lab File: VT019046.D

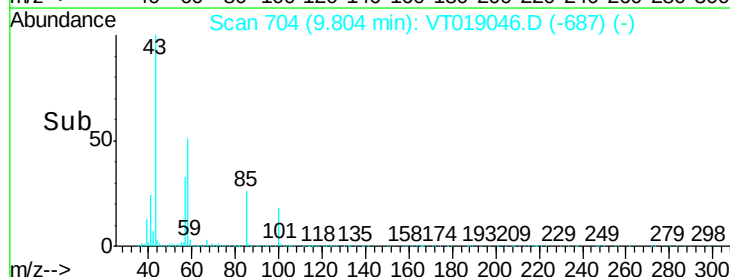
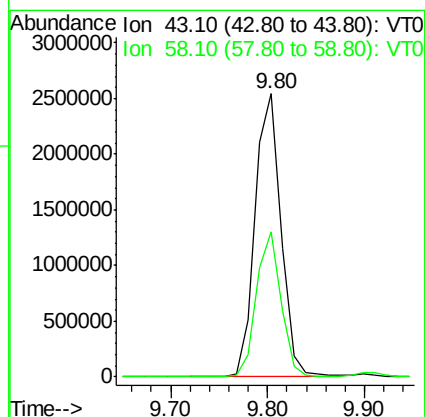
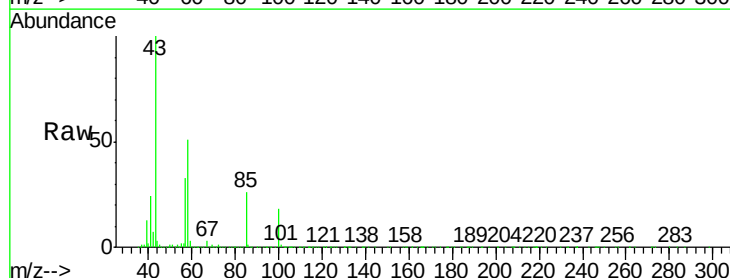
Acq: 8 May 2018 20:21

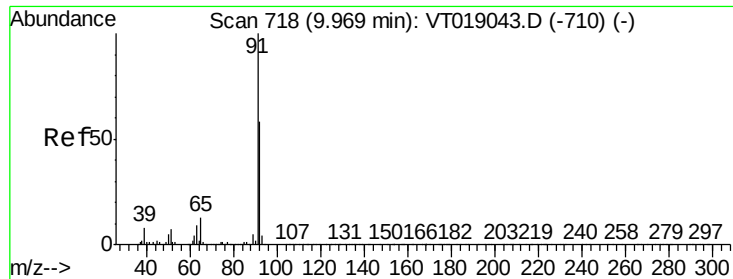
Tgt Ion: 43 Resp: 4703725

Ion Ratio Lower Upper

43 100

58 51.1 36.6 54.8





#51

Toluene

Concen: 143.17 ug/l

RT: 9.97 min Scan# 718

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

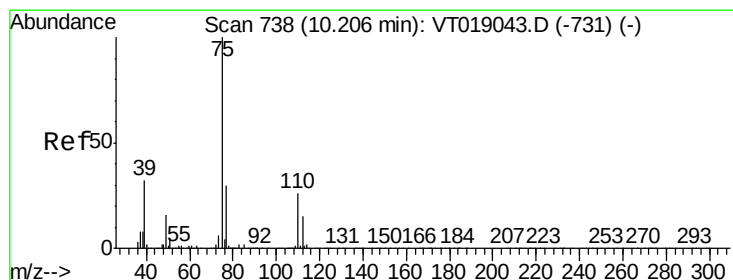
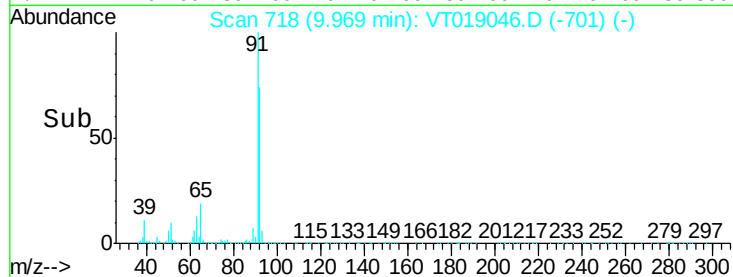
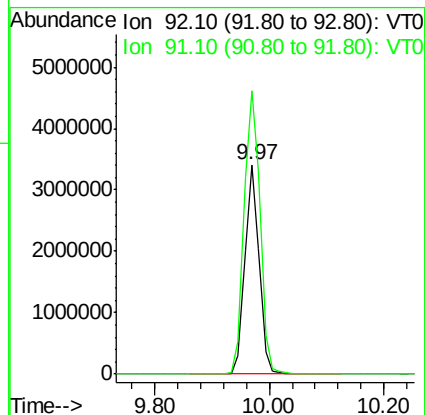
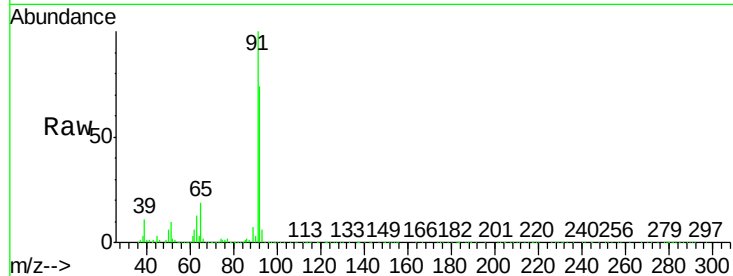
VSTDIC150

Tot Ion: 92 Resp: 5883148

Ion Ratio Lower Upper

92 100

91 135.0 137.8 206.6#



#52

t-1,3-Dichloropropene

Concen: 168.28 ug/l

RT: 10.19 min Scan# 737

Delta R.T. -0.01 min

Lab File: VT019046.D

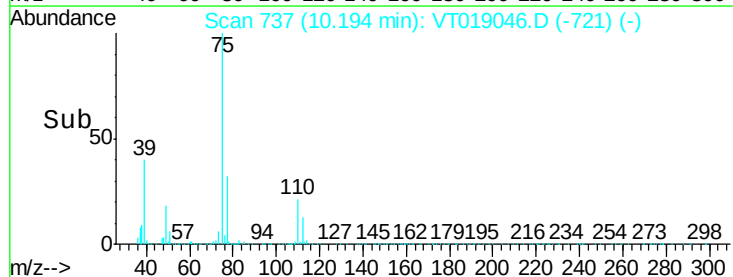
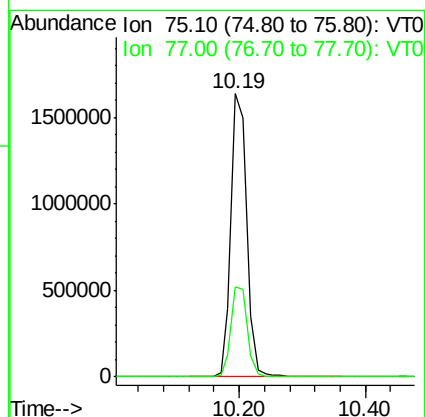
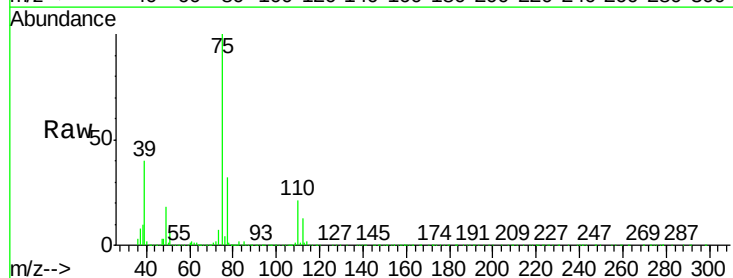
Acq: 8 May 2018 20:21

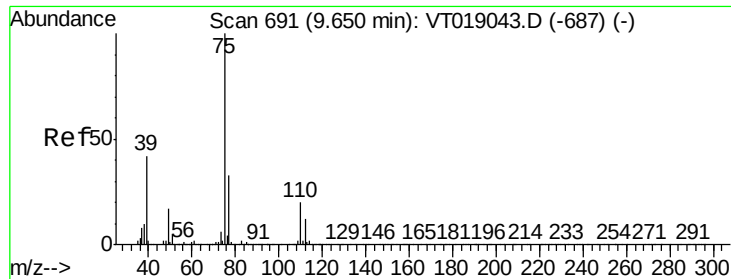
Tgt Ion: 75 Resp: 2843703

Ion Ratio Lower Upper

75 100

77 32.1 24.6 36.8





#53

cis-1,3-Dichloropropene

Concen: 165.97 ug/l

RT: 9.65 min Scan# 691

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC150

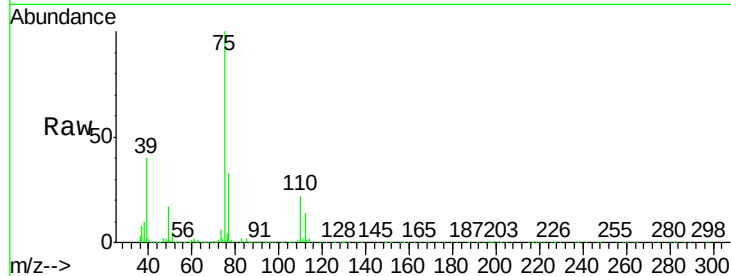
Tot Ion: 75 Resp: 3539963

Ion Ratio Lower Upper

75 100

77 32.7 26.6 39.8

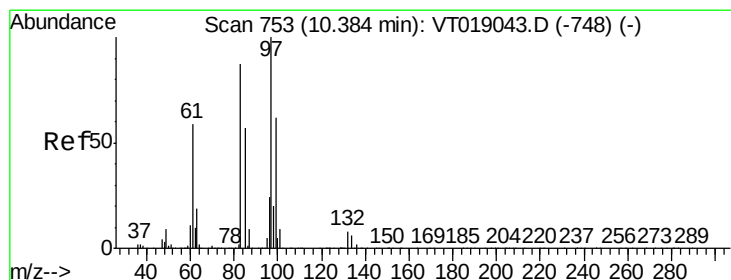
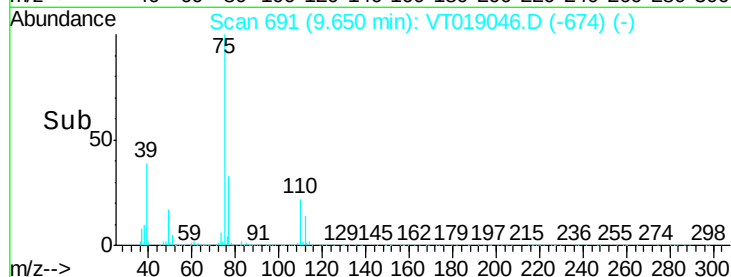
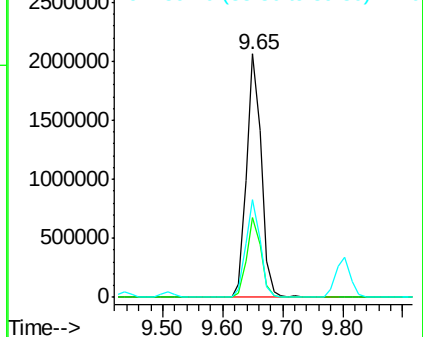
39 40.4 34.1 51.1



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: 146.88 ug/l

RT: 10.38 min Scan# 753

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Tgt Ion: 97 Resp: 1478148

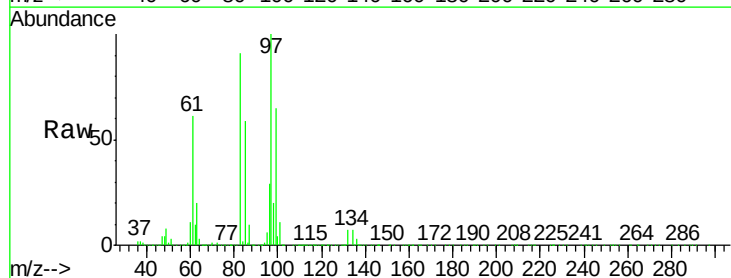
Ion Ratio Lower Upper

97 100

83 90.8 69.7 104.5

85 58.9 46.1 69.1

99 64.9 49.6 74.4

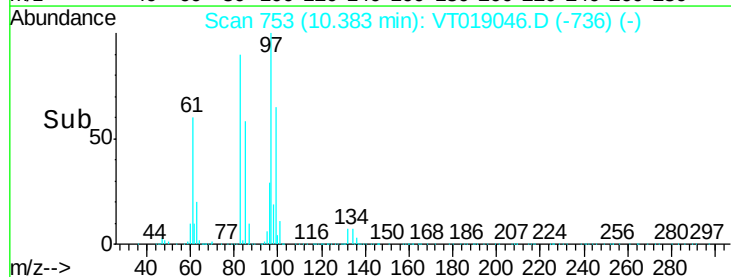
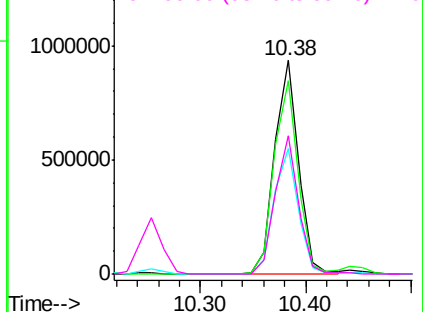


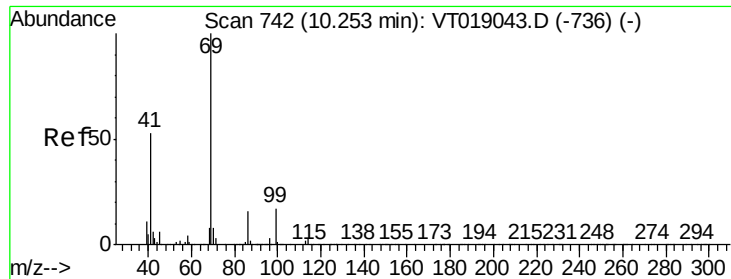
Abundance Ion 97.00 (96.70 to 97.70): VT0

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: 165.53 ug/l

RT: 10.25 min Scan# 742

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC150

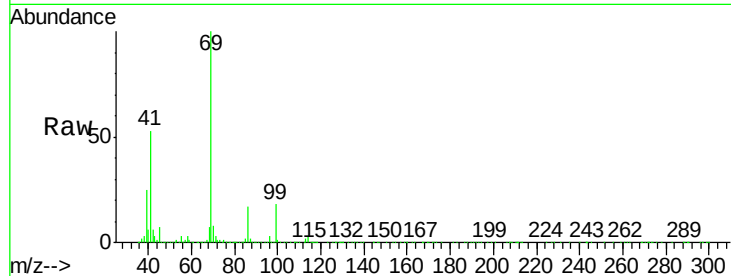
Tot Ion: 69 Resp: 2031878

Ion Ratio Lower Upper

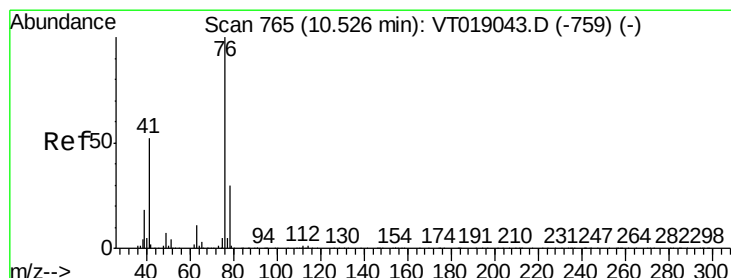
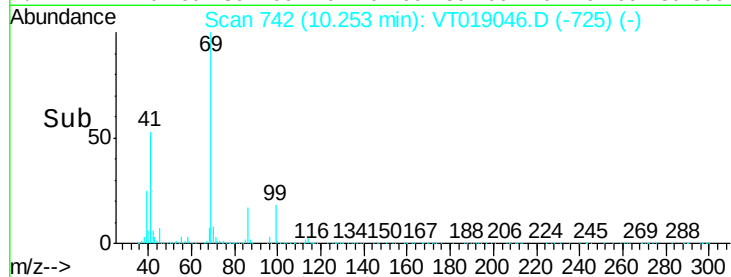
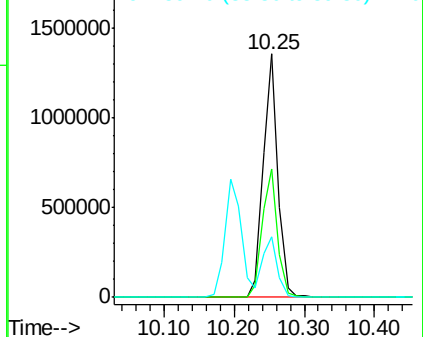
69 100

41 52.8 42.9 64.3

39 25.0 21.2 31.8



Abundance Ion 69.10 (68.80 to 69.80): VT0
Ion 41.10 (40.80 to 41.80): VT0
Ion 39.10 (38.80 to 39.80): VT0



#56

1,3-Dichloropropane

Concen: 158.17 ug/l

RT: 10.53 min Scan# 765

Delta R.T. -0.00 min

Lab File: VT019046.D

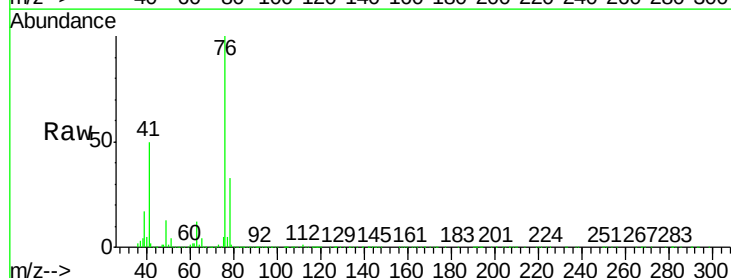
Acq: 8 May 2018 20:21

Tgt Ion: 76 Resp: 2762939

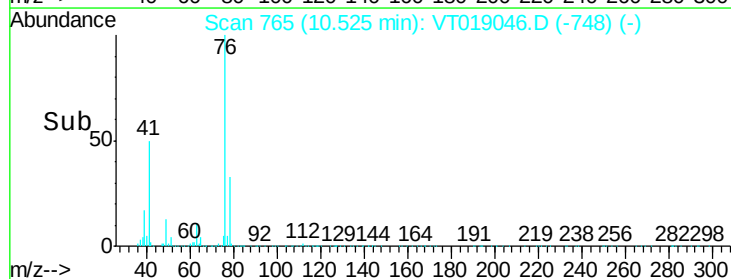
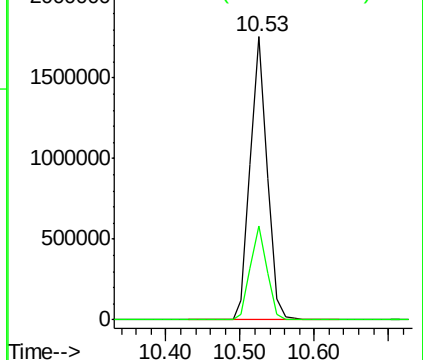
Ion Ratio Lower Upper

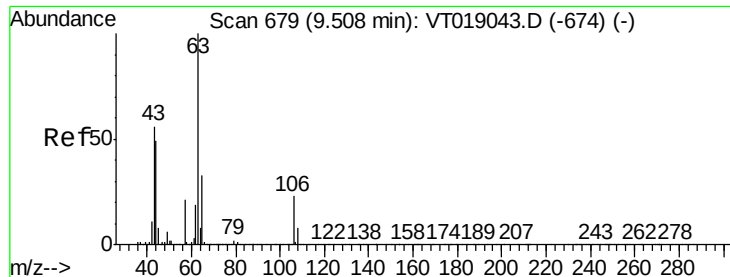
76 100

78 33.4 24.1 36.1



Abundance Ion 76.10 (75.80 to 76.80): VT0
Ion 78.10 (77.80 to 78.80): VT0





#57

2-Chloroethyl Vinyl ether

Concen: 799.54 ug/l

RT: 9.51 min Scan# 679

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

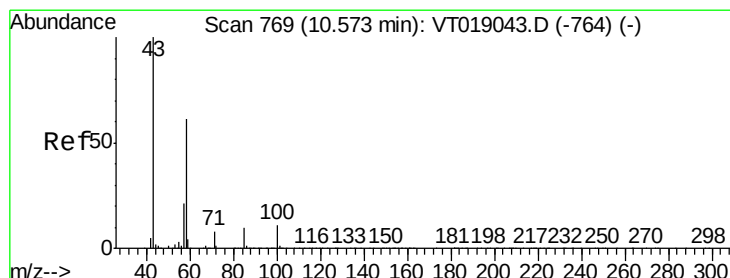
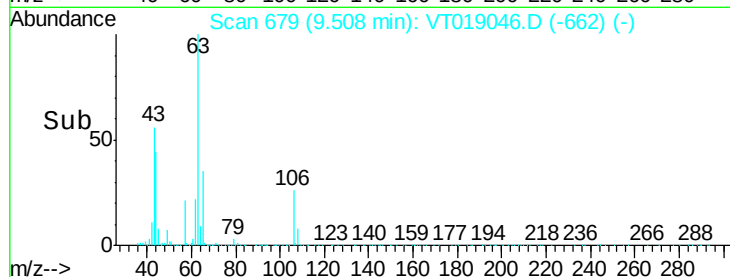
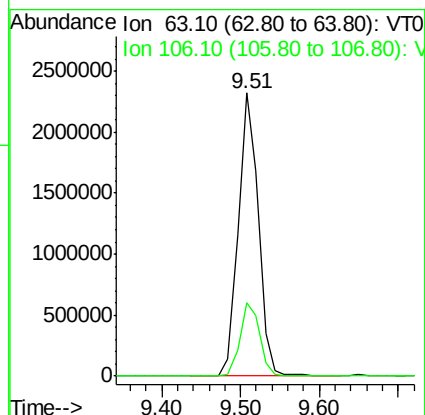
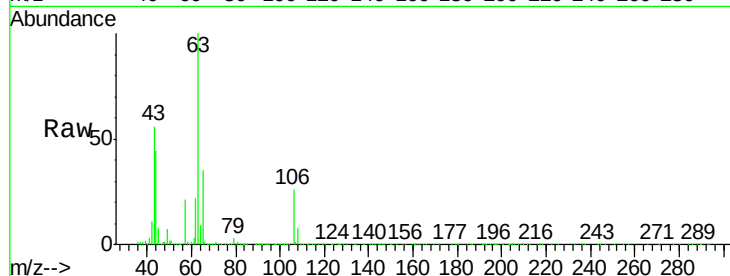
VSTDIC150

Tot Ion: 63 Resp: 4088446

Ion Ratio Lower Upper

63 100

106 25.8 18.7 28.1



#58

2-Hexanone

Concen: 532.38 ug/l

RT: 10.57 min Scan# 769

Delta R.T. -0.00 min

Lab File: VT019046.D

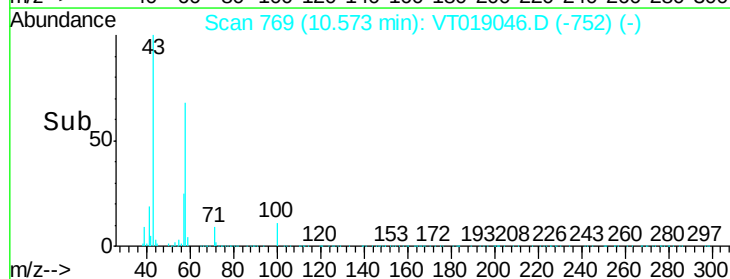
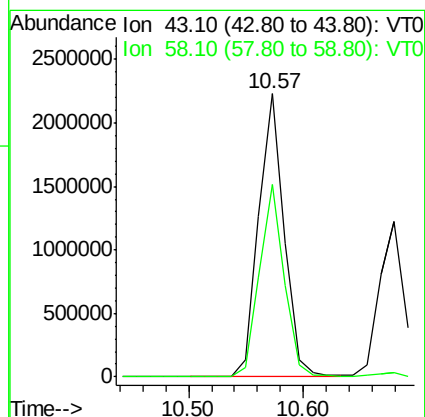
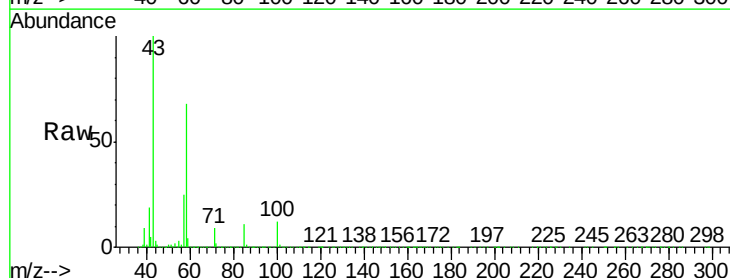
Acq: 8 May 2018 20:21

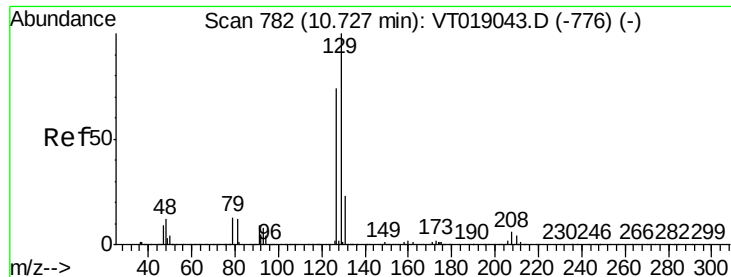
Tgt Ion: 43 Resp: 3465164

Ion Ratio Lower Upper

43 100

58 67.8 30.6 92.0





#59

Dibromochloromethane

Concen: 145.07 ug/l

RT: 10.73 min Scan# 782

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

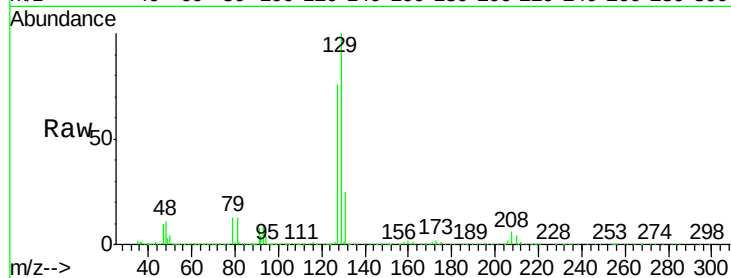
VSTDIC150

Tot Ion:129 Resp: 1684359

Ion Ratio Lower Upper

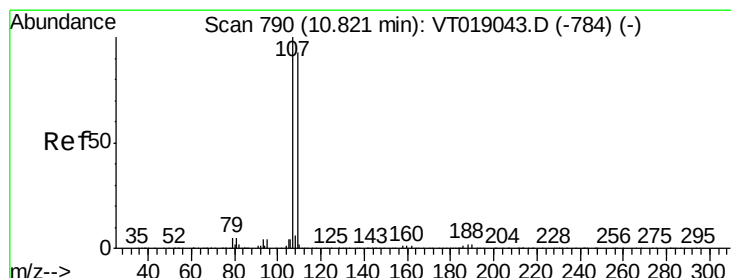
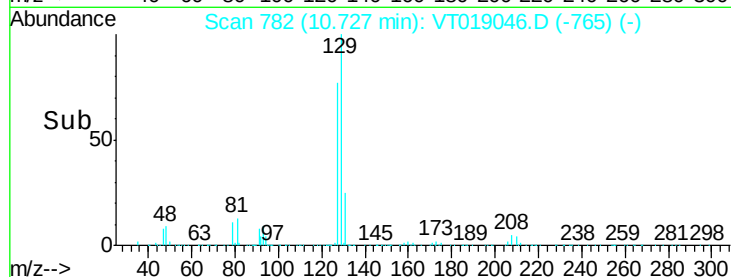
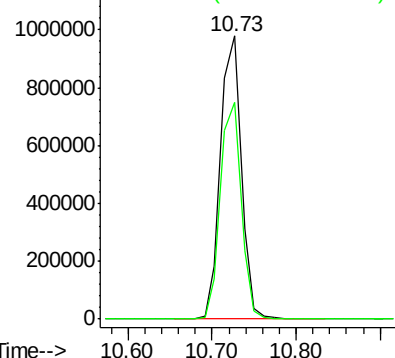
129 100

127 76.5 37.3 111.8



Abundance Ion 128.90 (128.60 to 129.60): V

Ion 126.90 (126.60 to 127.60): V



#60

1,2-Dibromoethane

Concen: 147.74 ug/l

RT: 10.82 min Scan# 790

Delta R.T. -0.00 min

Lab File: VT019046.D

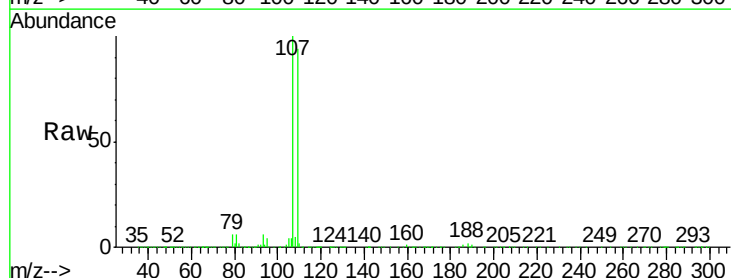
Acq: 8 May 2018 20:21

Tgt Ion:107 Resp: 1371079

Ion Ratio Lower Upper

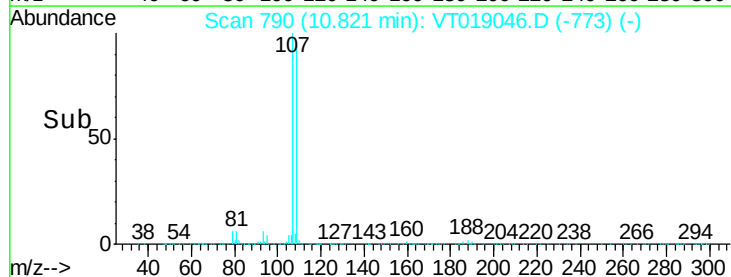
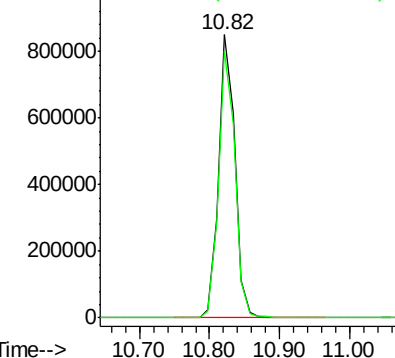
107 100

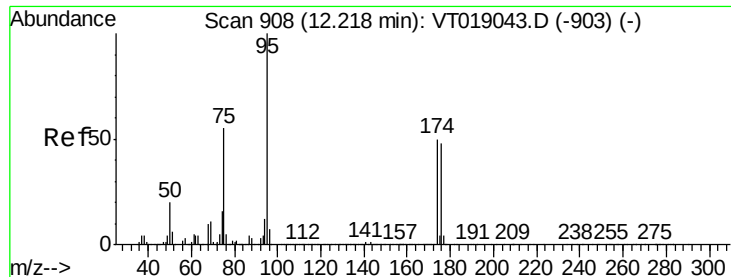
109 94.2 74.3 111.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#61

4-Bromofluorobenzene

Concen: 160.14 ug/l

RT: 12.22 min Scan# 908

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC150

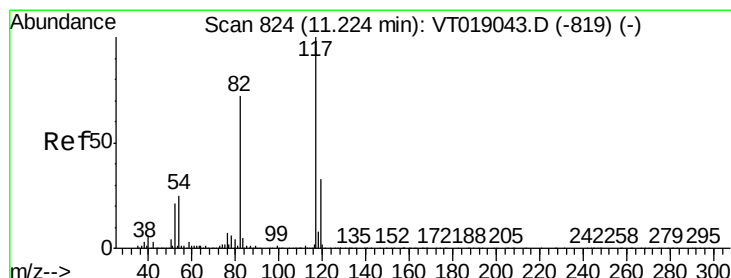
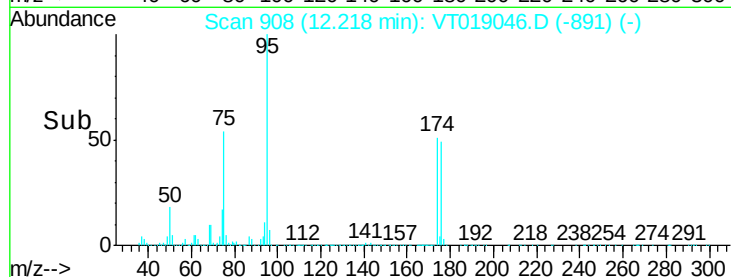
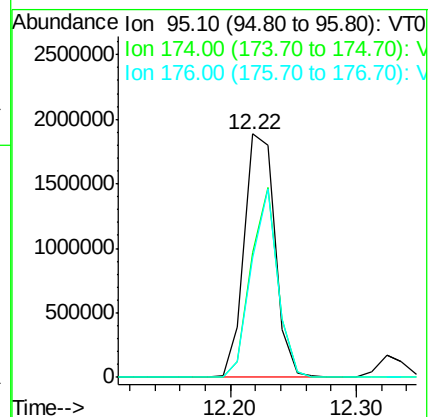
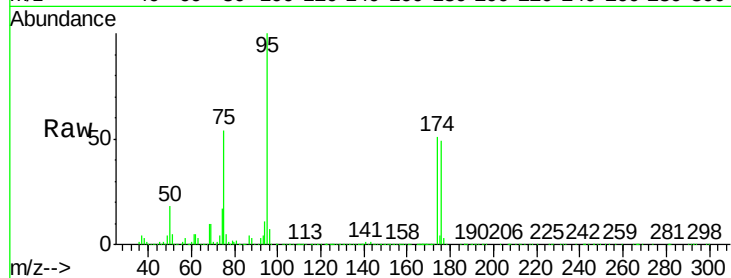
Tot Ion: 95 Resp: 3202507

Ion Ratio Lower Upper

95 100

174 51.3 0.0 100.0

176 49.0 0.0 96.6



#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.22 min Scan# 824

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

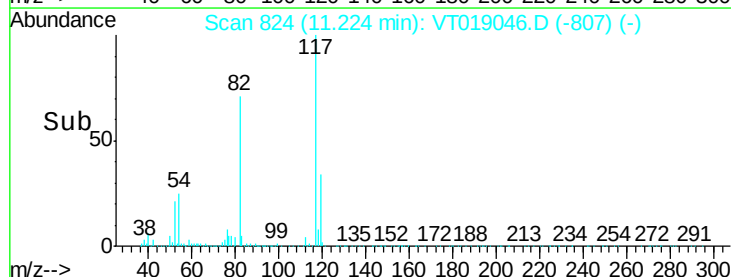
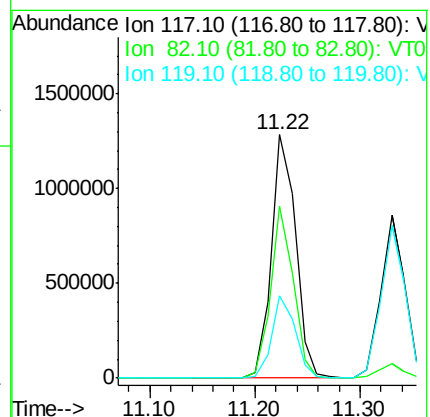
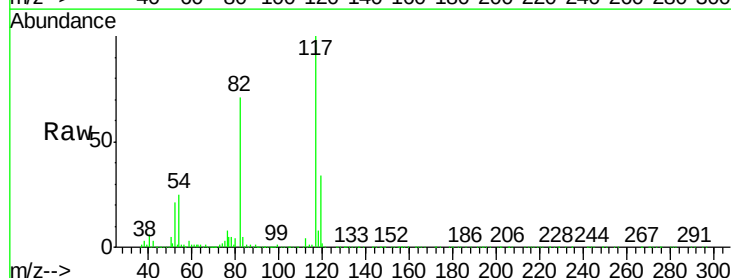
Tgt Ion: 117 Resp: 2064896

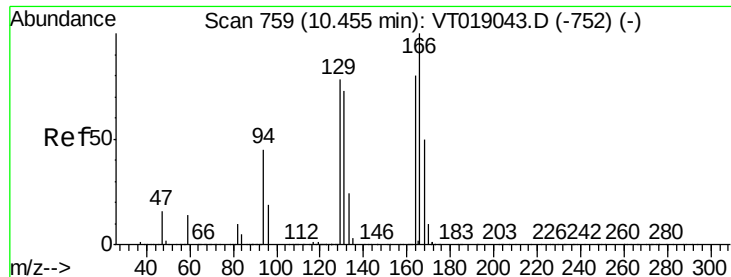
Ion Ratio Lower Upper

117 100

82 70.5 57.6 86.4

119 33.7 26.6 40.0

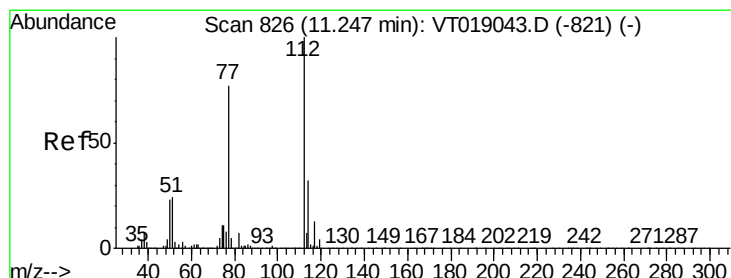
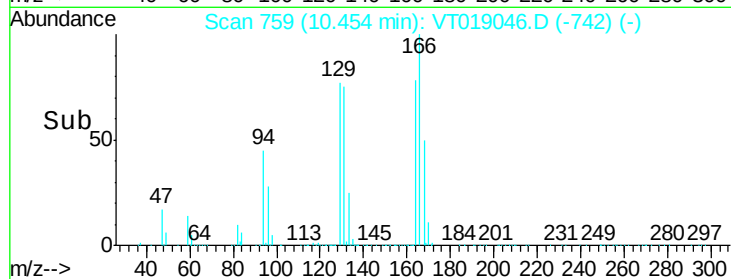
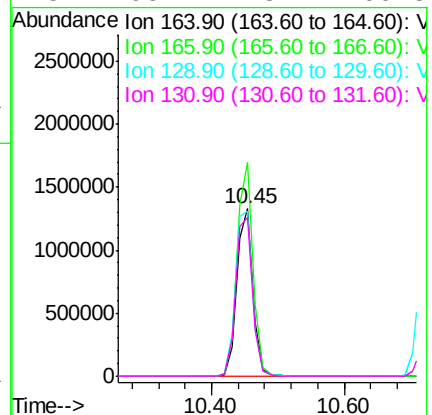
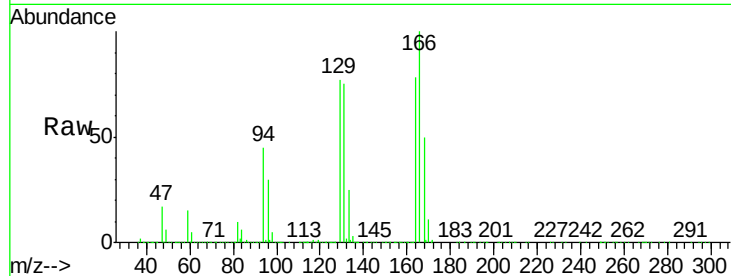




#63
Tetrachloroethene
Concen: 150.30 ug/l
RT: 10.45 min Scan# 759
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

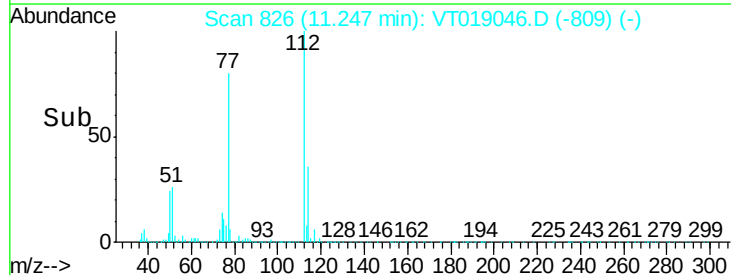
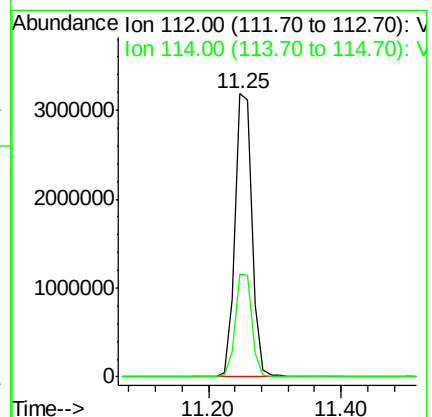
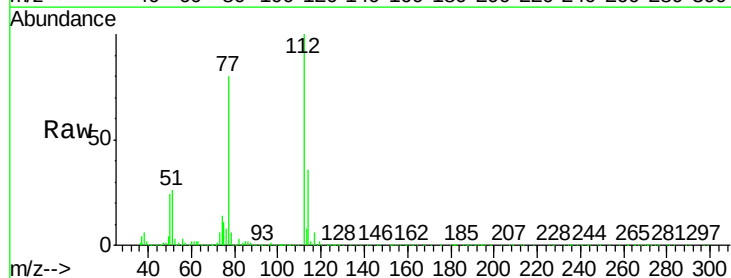
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

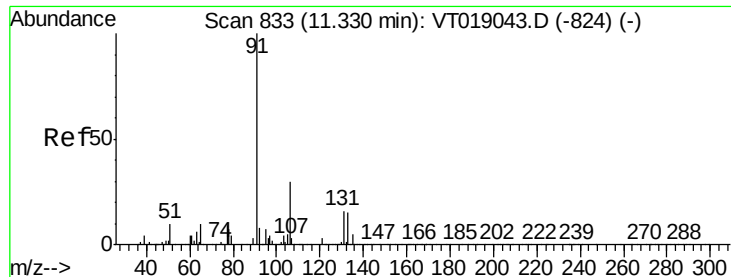
Tot Ion:164 Resp: 2263435
Ion Ratio Lower Upper
164 100
166 127.7 100.6 151.0
129 98.8 78.1 117.1
131 95.1 73.2 109.8



#64
Chlorobenzene
Concen: 130.80 ug/l
RT: 11.25 min Scan# 826
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Tgt Ion:112 Resp: 5817536
Ion Ratio Lower Upper
112 100
114 36.4 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 152.66 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC150

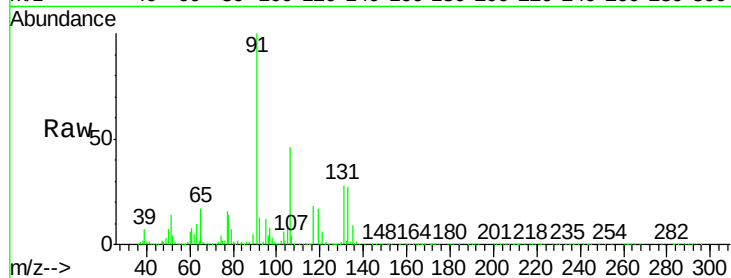
Tot Ion:131 Resp: 2134755

Ion Ratio Lower Upper

131 100

133 96.2 47.8 143.3

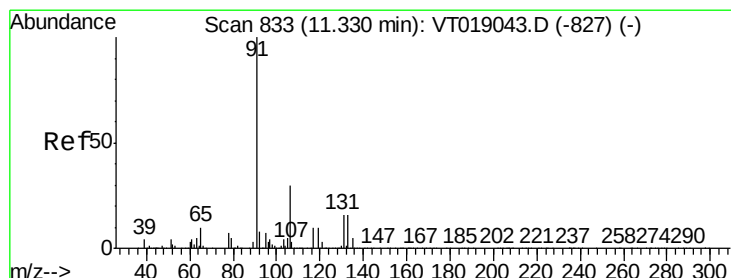
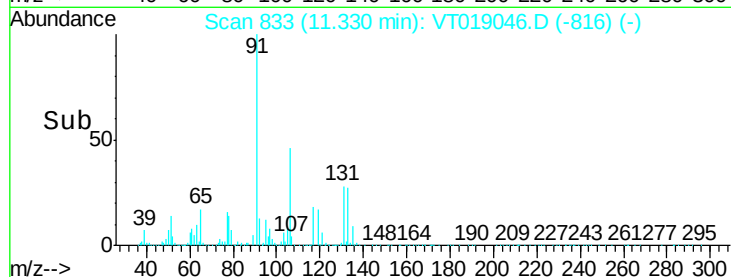
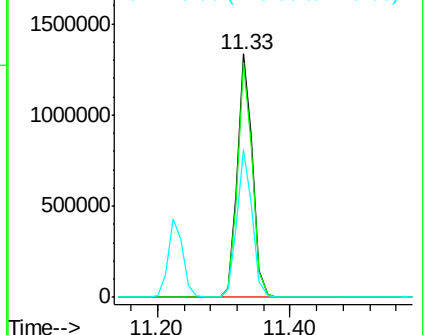
119 60.5 31.8 95.4



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: 118.23 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019046.D

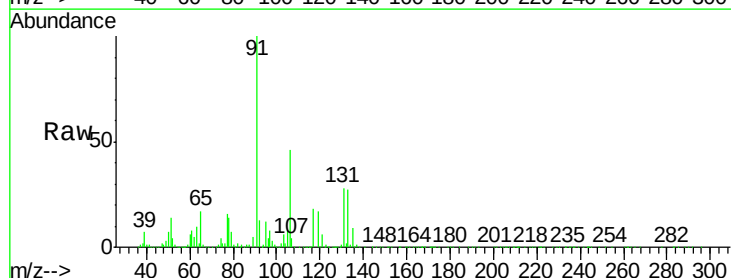
Acq: 8 May 2018 20:21

Tgt Ion: 91 Resp: 9174393

Ion Ratio Lower Upper

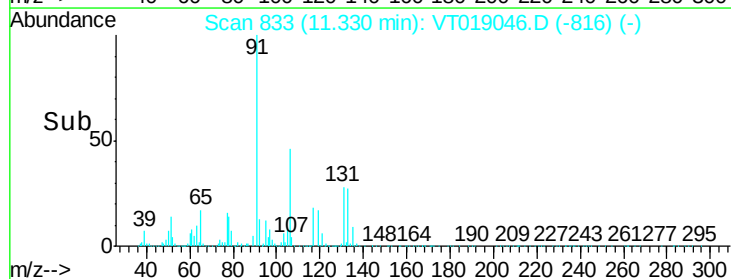
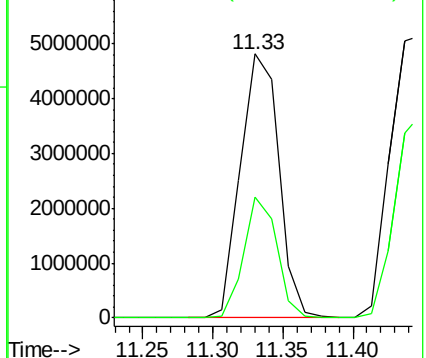
91 100

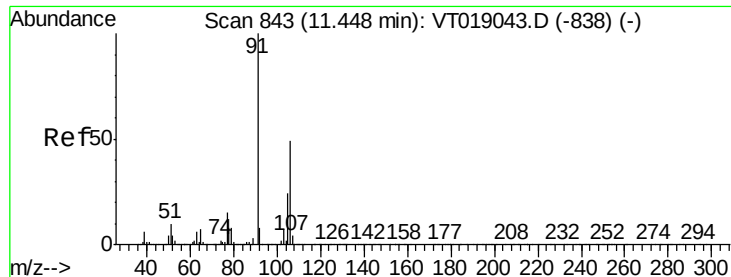
106 45.6 24.0 36.0#



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 106.10 (105.80 to 106.80): V

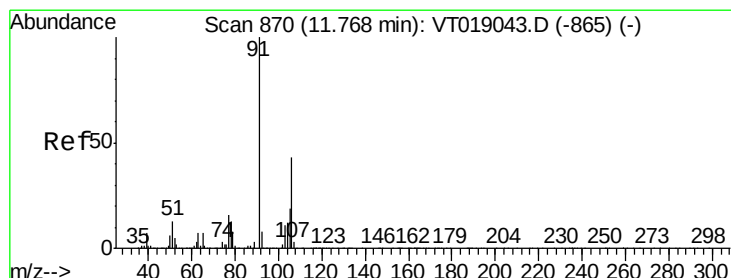
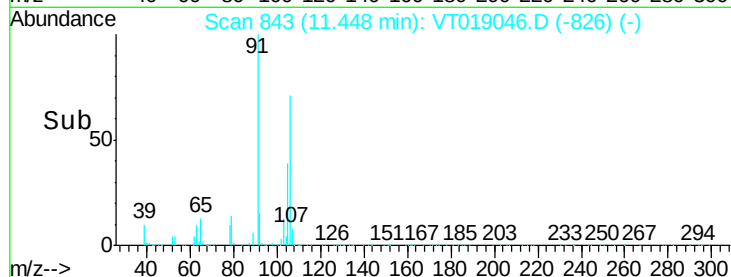
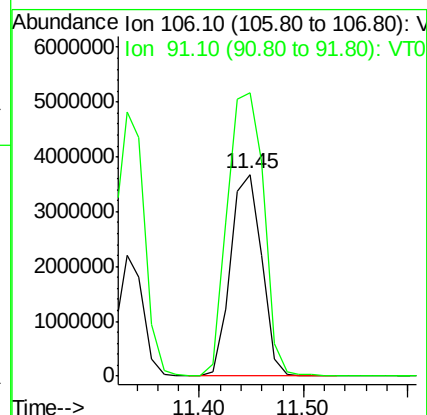
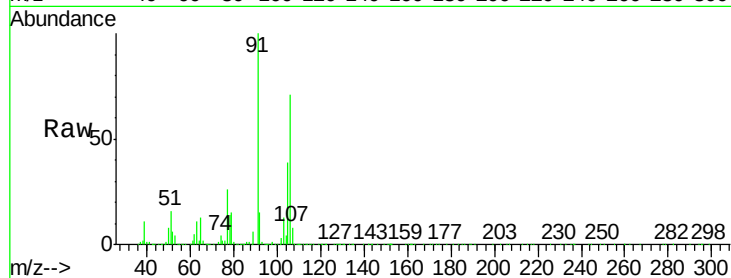




#67
m/p-Xylenes
Concen: 251.58 ug/l m
RT: 11.45 min Scan# 843
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

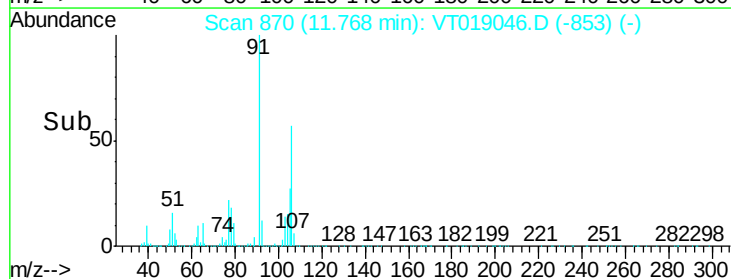
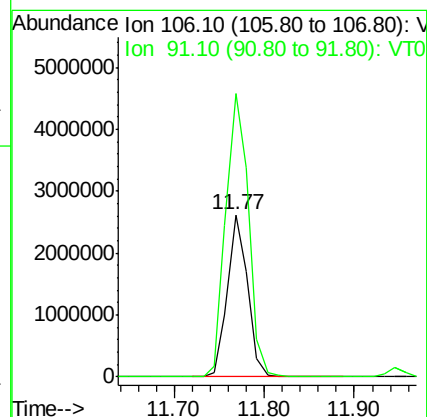
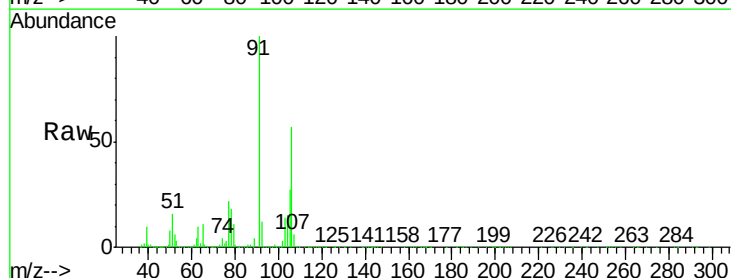
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

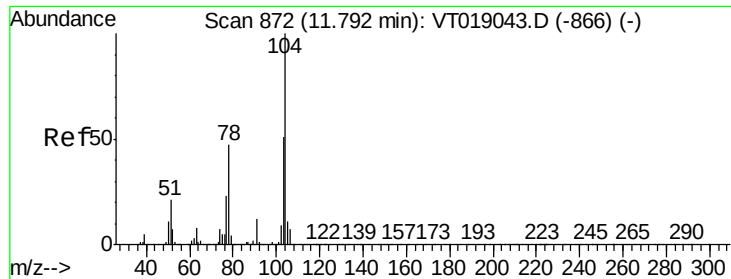
Tot Ion:106 Resp: 7798414
Ion Ratio Lower Upper
106 100
91 140.4 162.2 243.4#



#68
o-Xylene
Concen: 143.84 ug/l
RT: 11.77 min Scan# 870
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Tgt Ion:106 Resp: 4062844
Ion Ratio Lower Upper
106 100
91 174.8 116.0 348.0

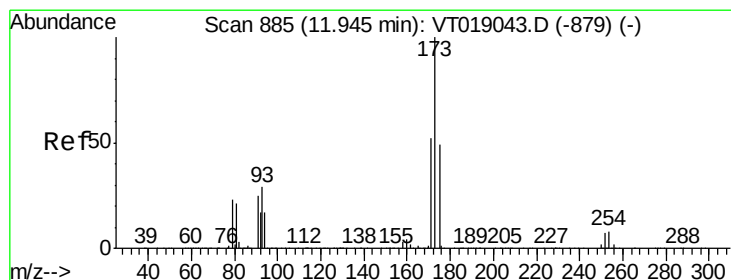
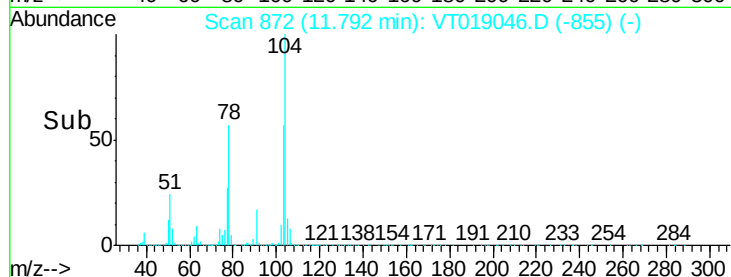
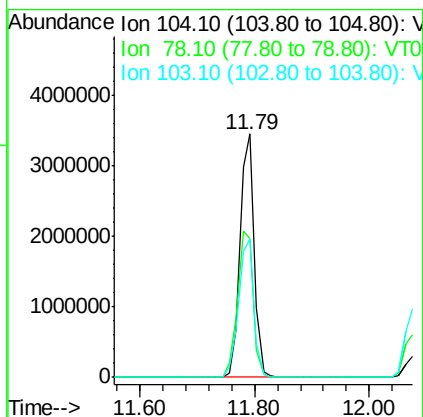
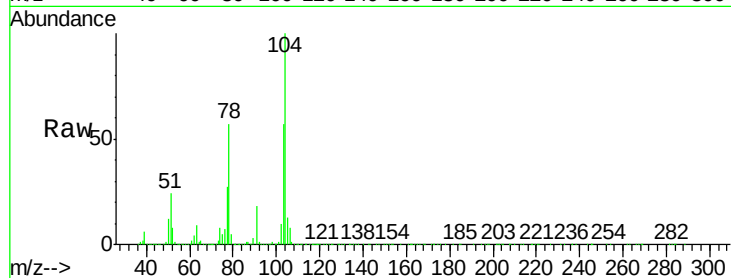




#69
Stvrene
Concen: 125.39 ug/l
RT: 11.79 min Scan# 872
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

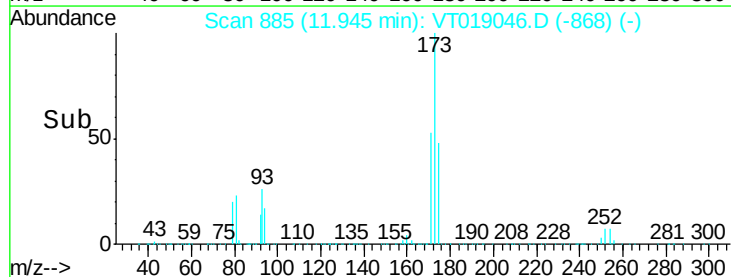
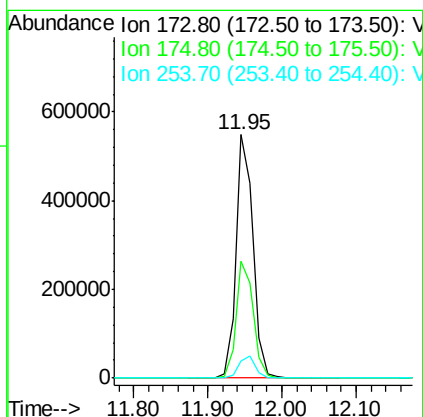
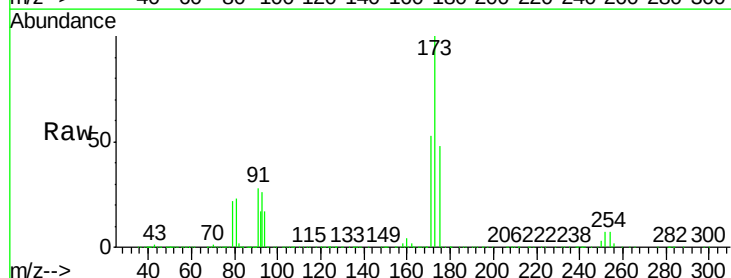
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

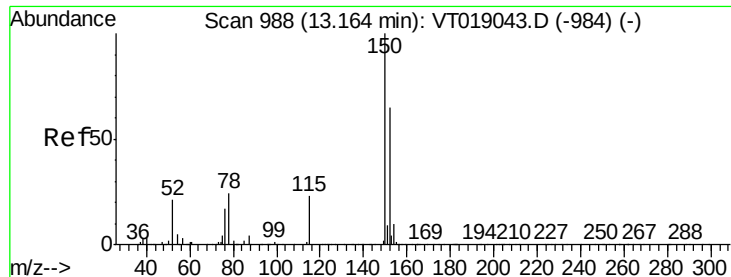
Tot Ion:104 Resp: 5896253
Ion Ratio Lower Upper
104 100
78 56.7 38.0 57.0
103 56.9 40.6 61.0



#70
Bromoform
Concen: 123.80 ug/l
RT: 11.95 min Scan# 885
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Tgt Ion:173 Resp: 880470
Ion Ratio Lower Upper
173 100
175 48.0 24.6 73.8
254 6.9 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: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC150

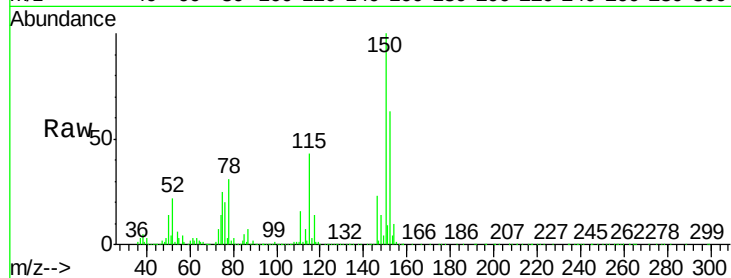
Tot Ion:152 Resp: 972850

Ion Ratio Lower Upper

152 100

115 68.8 34.2 102.6

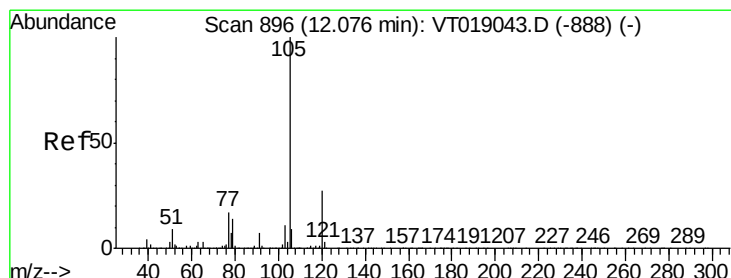
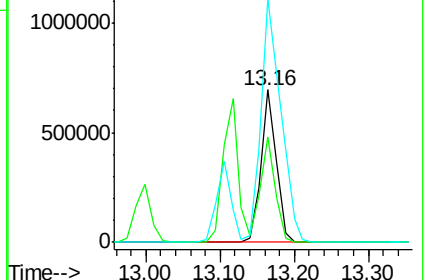
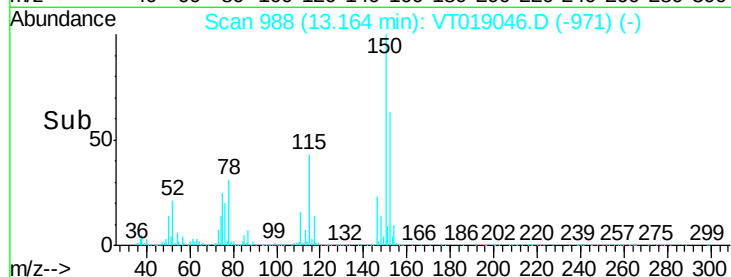
150 159.6 0.0 321.2



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: 127.37 ug/l

RT: 12.08 min Scan# 896

Delta R.T. -0.00 min

Lab File: VT019046.D

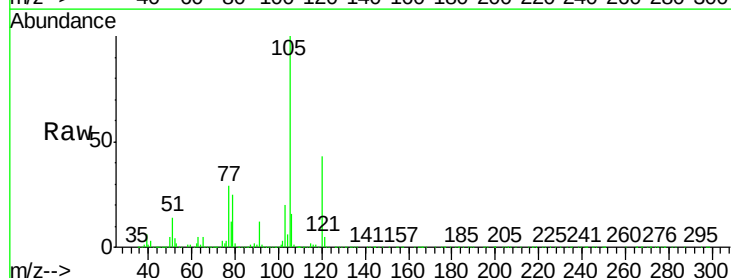
Acq: 8 May 2018 20:21

Tgt Ion:105 Resp: 9149810

Ion Ratio Lower Upper

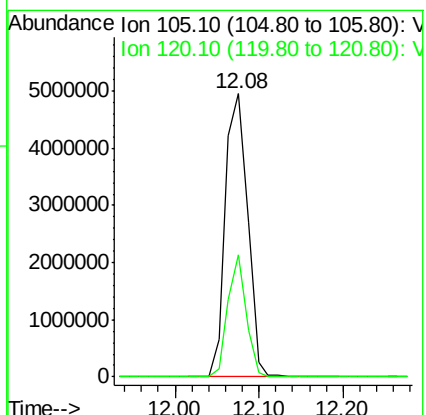
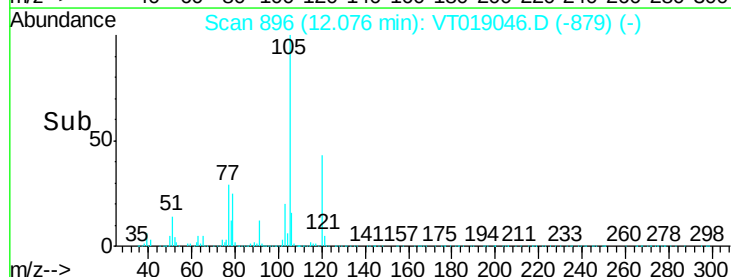
105 100

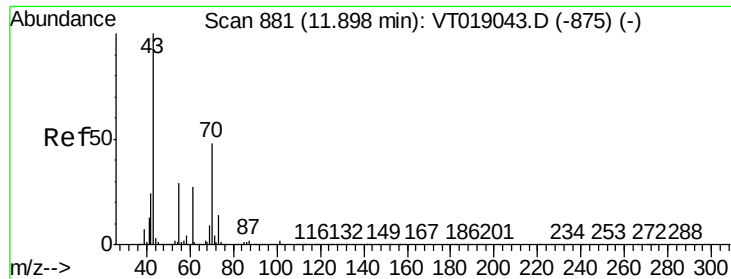
120 43.3 13.6 40.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V



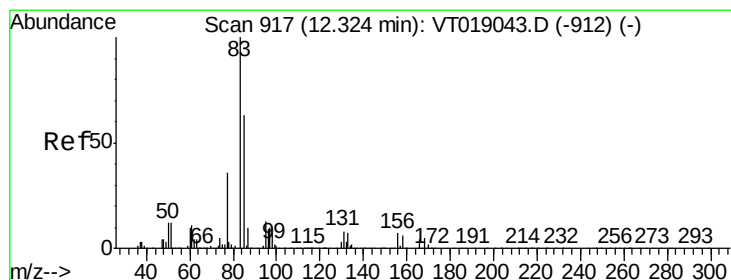
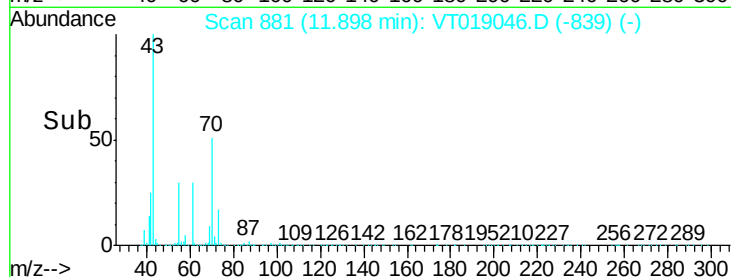
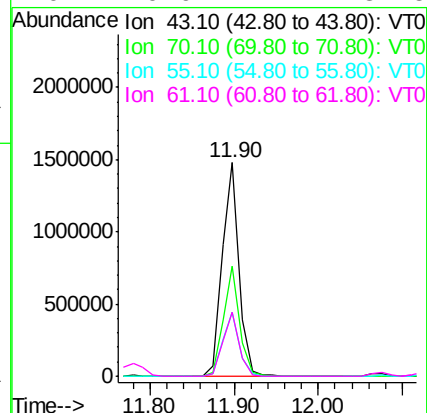
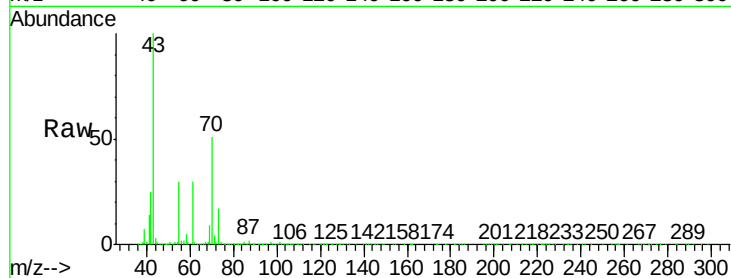


#73
N-amvl acetate
Concen: 150.74 ug/l
RT: 11.90 min Scan# 881
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2070268

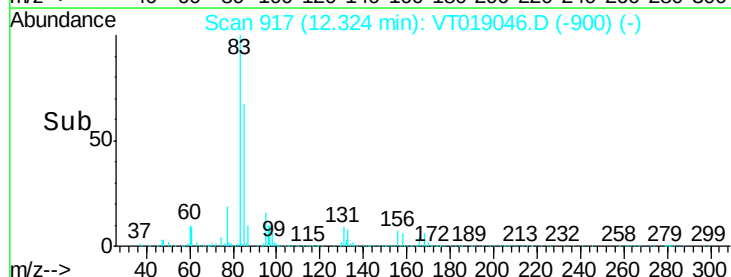
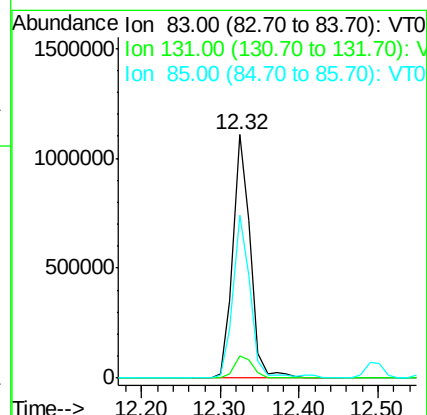
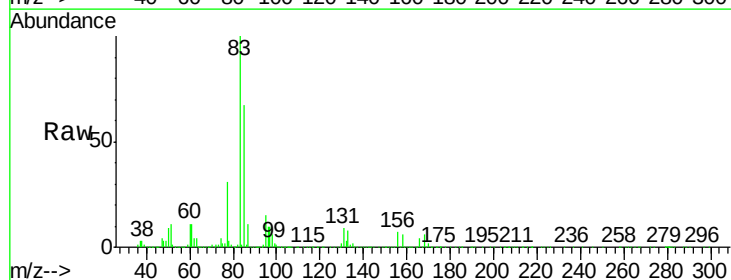
Ion	Ratio	Lower	Upper
43	100		
70	51.5	38.2	57.4
55	30.2	23.5	35.3
61	29.9	21.7	32.5

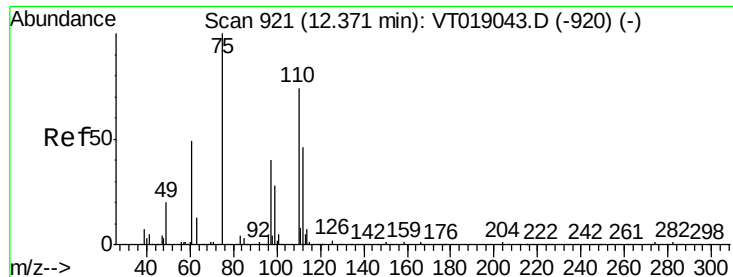


#74
1,1,2,2-Tetrachloroethane
Concen: 154.78 ug/l
RT: 12.32 min Scan# 917
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Tgt Ion: 83 Resp: 1695104

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.0	12.2
85	67.0	31.4	94.3





#75

1,2,3-Trichloropropane

Concen: 171.26 ug/l m

RT: 12.37 min Scan# 921

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

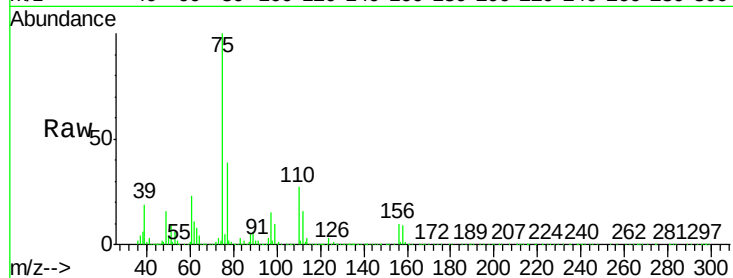
VSTDIC150

Tot Ion: 75 Resp: 1316164

Ion Ratio Lower Upper

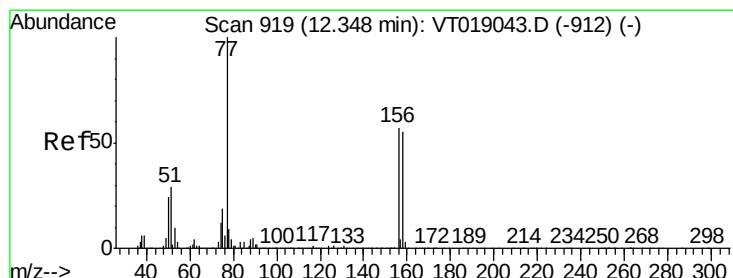
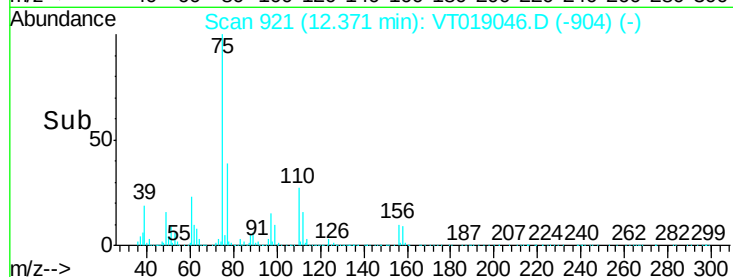
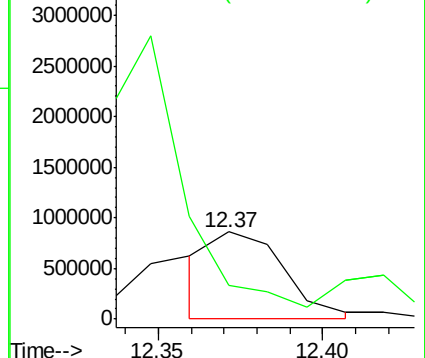
75 100

77 39.0 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: 148.87 ug/l

RT: 12.35 min Scan# 919

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

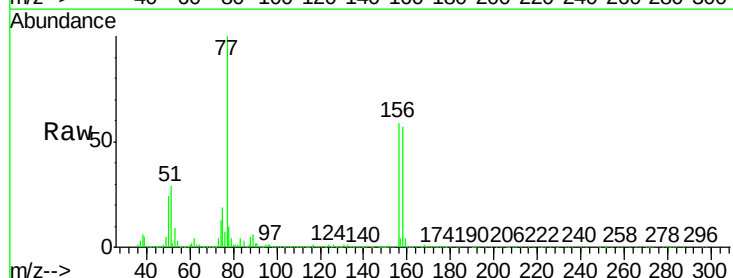
Tgt Ion: 156 Resp: 2375046

Ion Ratio Lower Upper

156 100

77 170.0 87.8 263.4

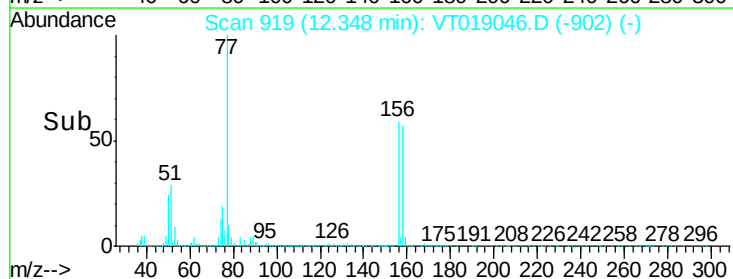
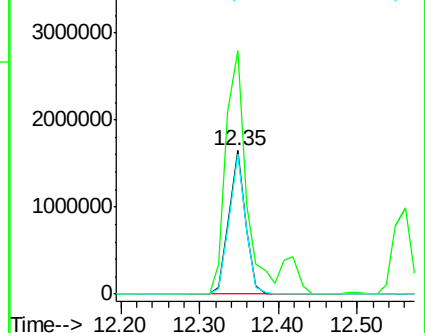
158 97.4 48.3 144.8

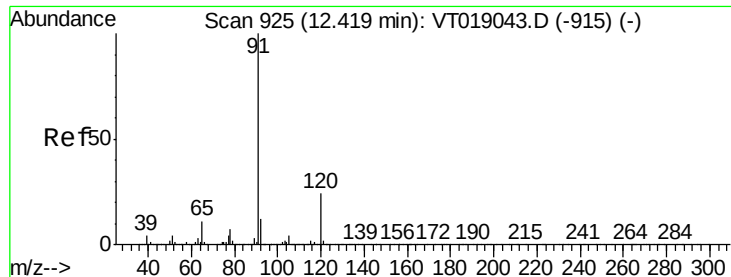


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.10 (76.80 to 77.80): VT0

Ion 158.00 (157.70 to 158.70): V





#77

n-propylbenzene

Concen: 116.50 ug/l

RT: 12.42 min Scan# 925

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

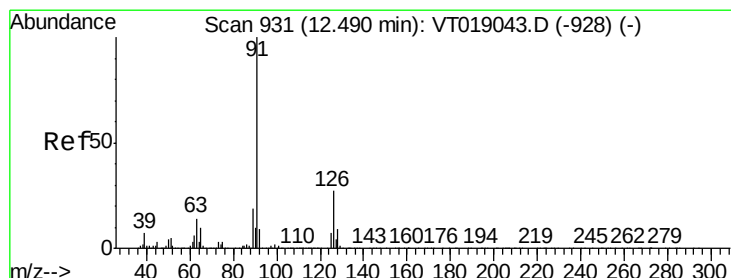
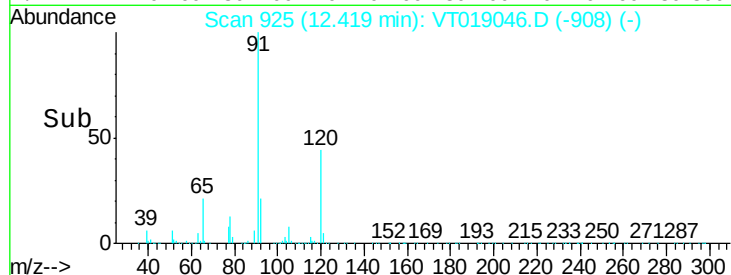
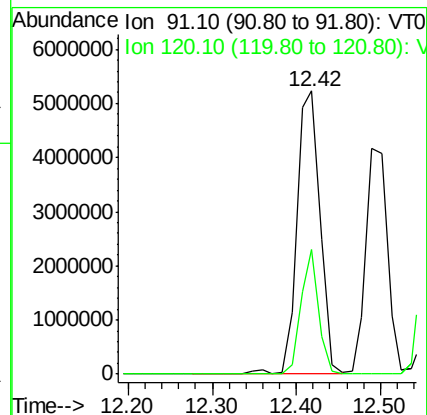
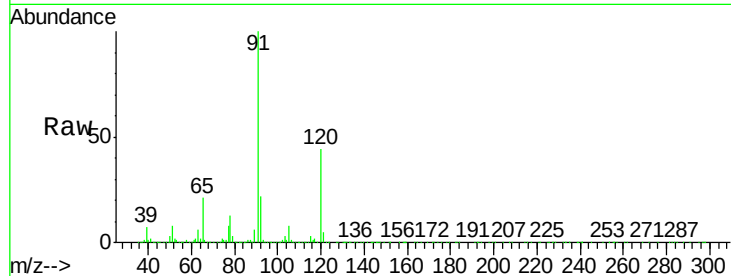
VSTDIC150

Tot Ion: 91 Resp:10097448

Ion Ratio Lower Upper

91 100

120 44.2 12.0 36.1#



#78

2-Chlorotoluene

Concen: 154.31 ug/l

RT: 12.49 min Scan# 931

Delta R.T. -0.00 min

Lab File: VT019046.D

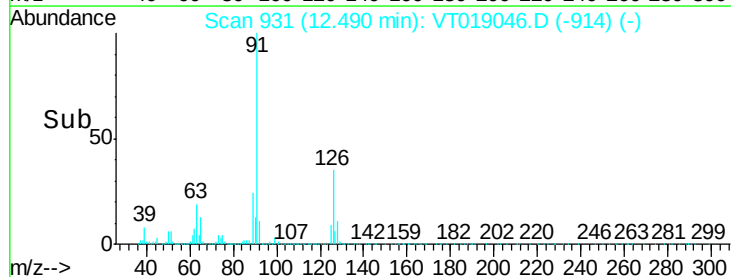
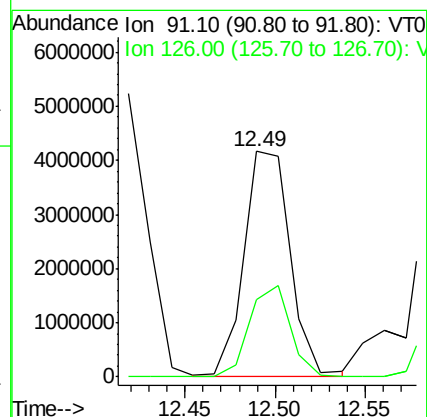
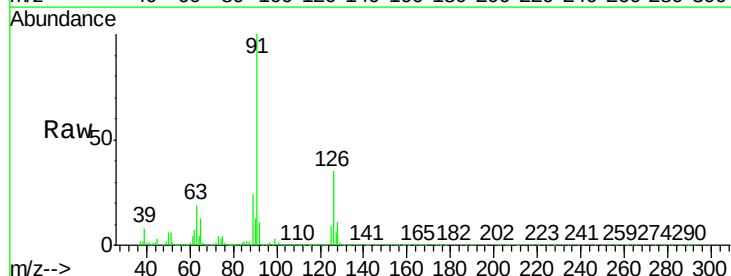
Acq: 8 May 2018 20:21

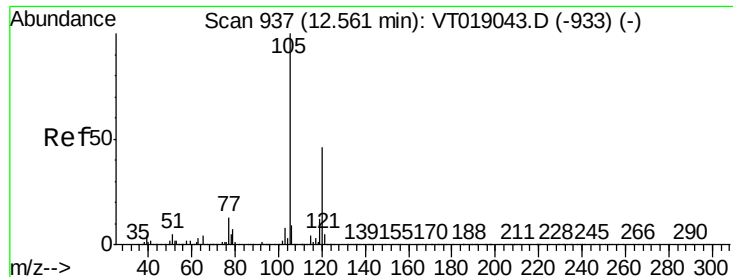
Tgt Ion: 91 Resp: 7510732

Ion Ratio Lower Upper

91 100

126 34.5 13.5 40.5





#79

1,3,5-Trimethylbenzene

Concen: 133.90 ug/l

RT: 12.56 min Scan# 937

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

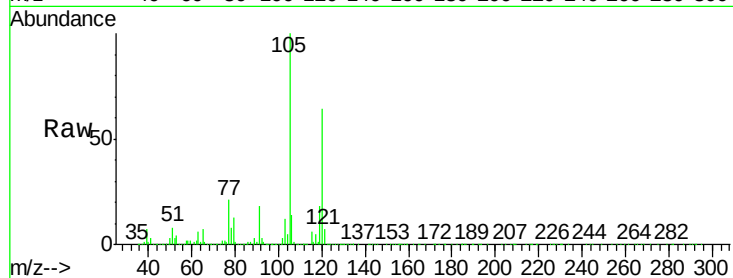
VSTDIC150

Tot Ion:105 Resp: 8275243

Ion Ratio Lower Upper

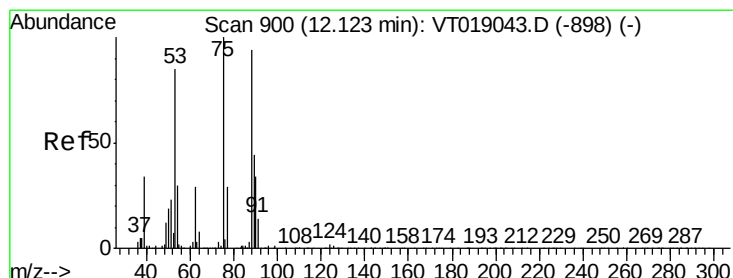
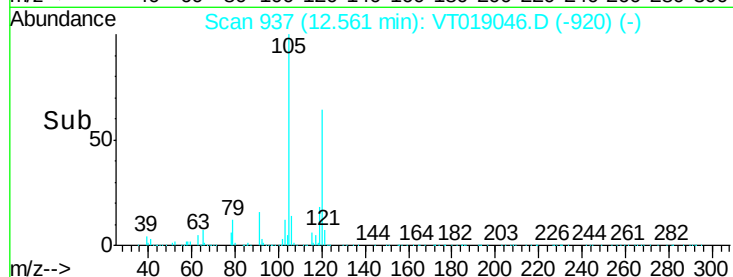
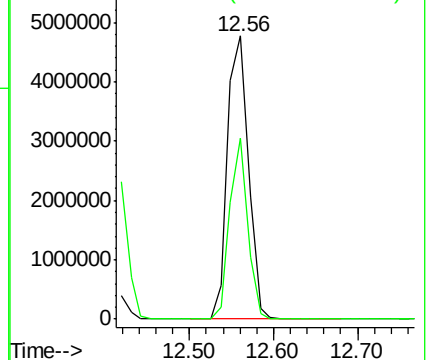
105 100

120 63.9 23.2 69.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V



#80

trans-1,4-Dichloro-2-butene

Concen: 162.77 ug/l

RT: 12.12 min Scan# 900

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

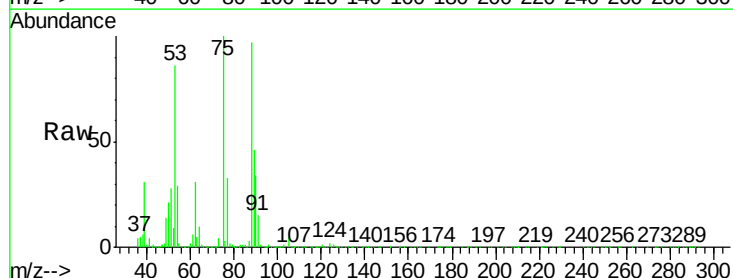
Tgt Ion: 75 Resp: 545793

Ion Ratio Lower Upper

75 100

53 86.0 70.8 106.2

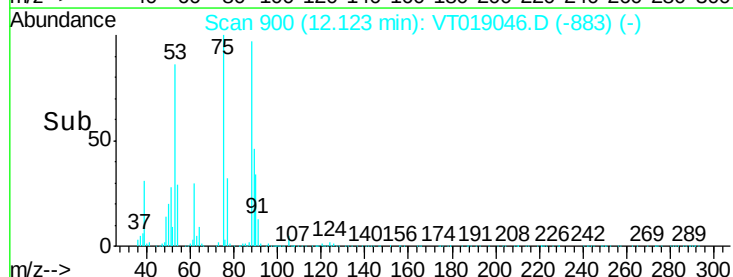
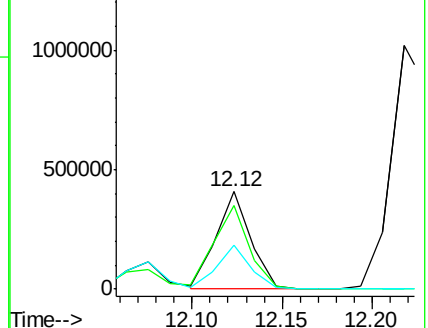
89 45.6 35.8 53.8

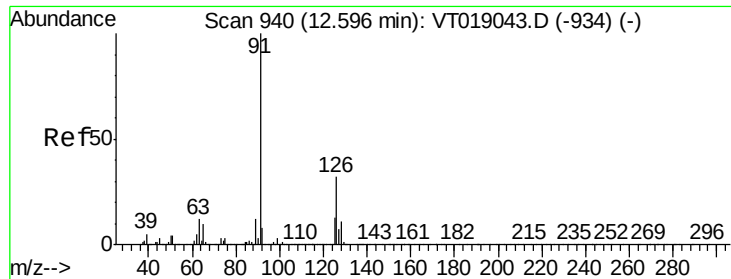


Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 53.10 (52.80 to 53.80): VT0

Ion 89.00 (88.70 to 89.70): VT0

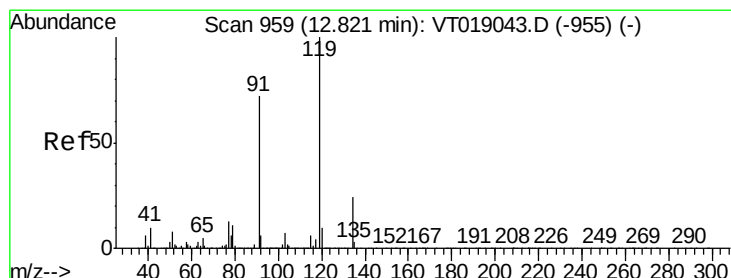
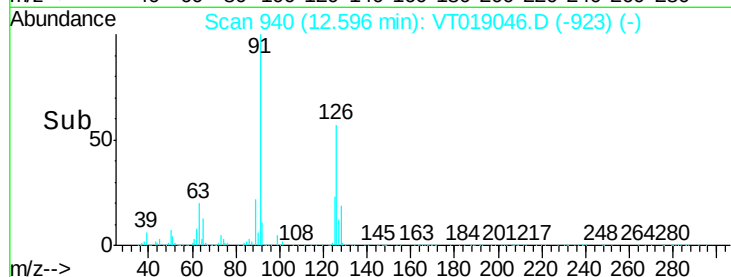
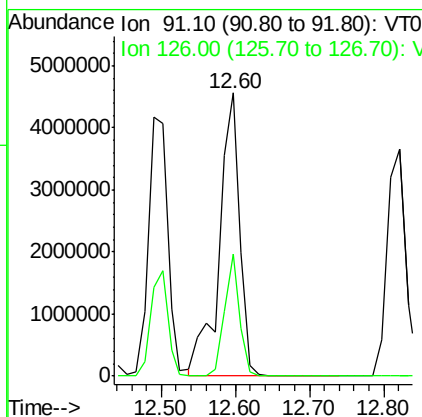
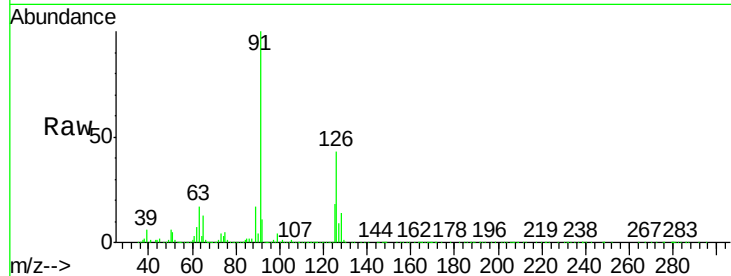




#81
4-Chlorotoluene
Concen: 151.88 ug/l
RT: 12.60 min Scan# 940
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

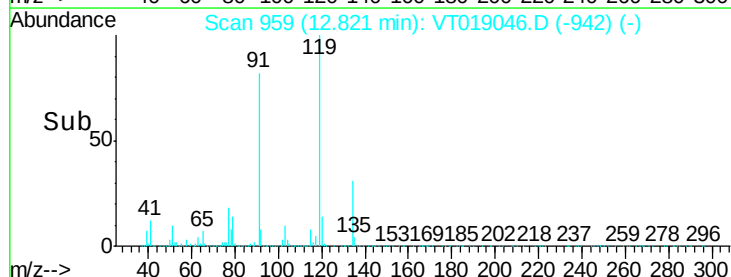
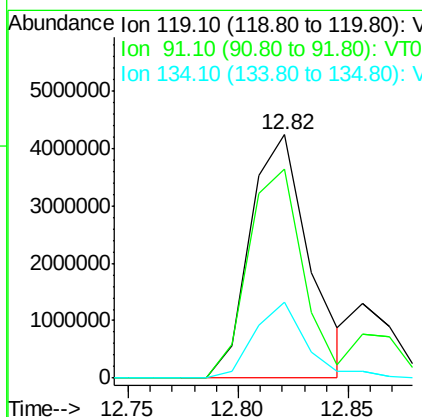
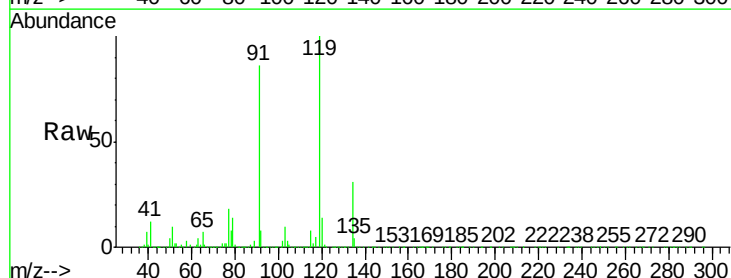
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

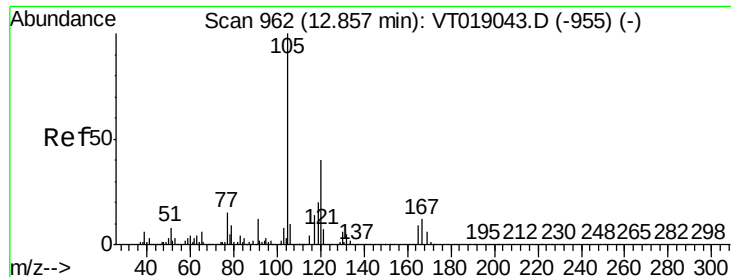
Tot Ion: 91 Resp: 8874791
Ion Ratio Lower Upper
91 100
126 42.9 16.0 47.9



#82
tert-Butylbenzene
Concen: 143.11 ug/l m
RT: 12.82 min Scan# 959
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Tgt Ion: 119 Resp: 7849623
Ion Ratio Lower Upper
119 100
91 86.0 36.1 108.3
134 31.3 12.0 36.1





#83

1,2,4-Trimethylbenzene

Concen: 129.80 ug/l

RT: 12.87 min Scan# 963

Delta R.T. 0.01 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

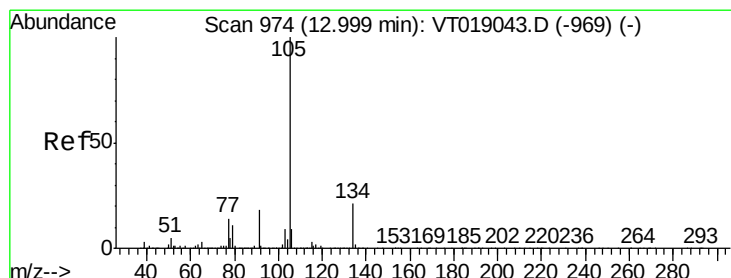
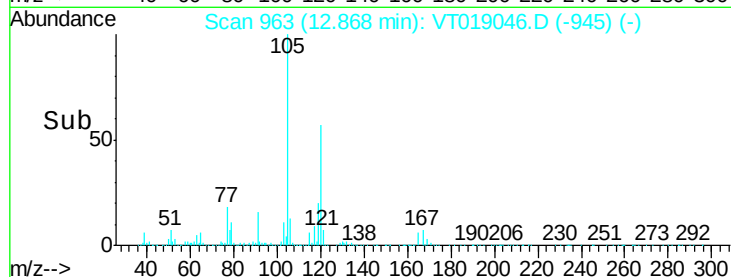
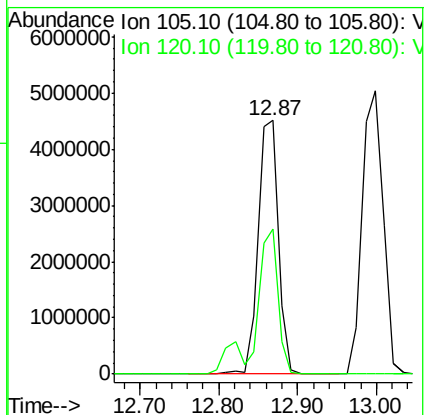
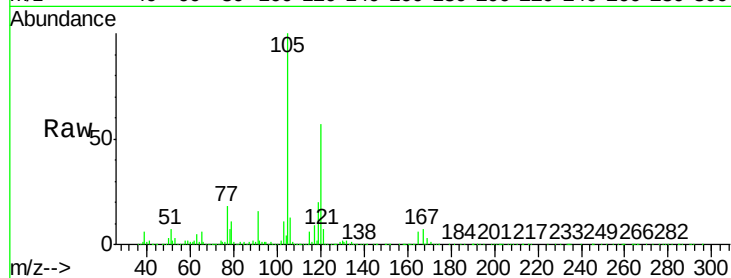
VSTDIC150

Tot Ion:105 Resp: 8096863

Ion Ratio Lower Upper

105 100

120 57.4 20.0 59.9



#84

sec-Butylbenzene

Concen: 121.00 ug/l

RT: 13.00 min Scan# 974

Delta R.T. -0.00 min

Lab File: VT019046.D

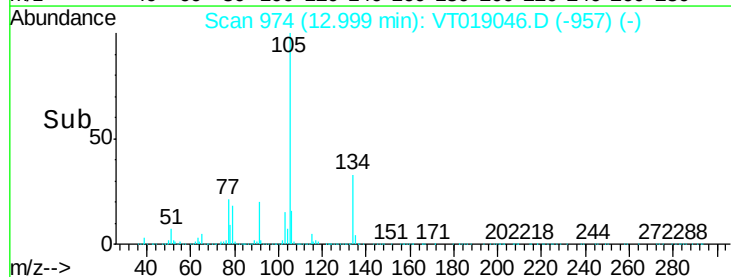
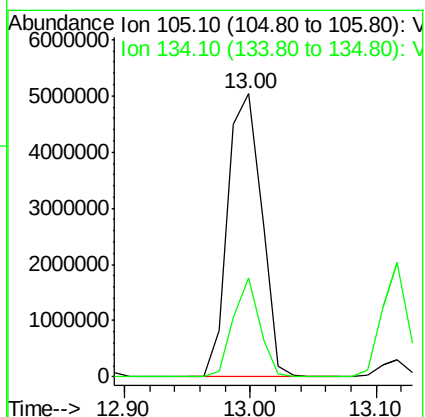
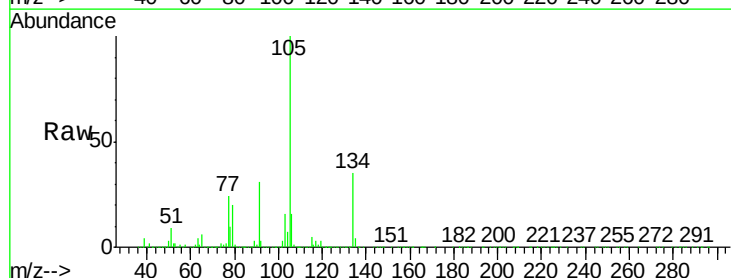
Acq: 8 May 2018 20:21

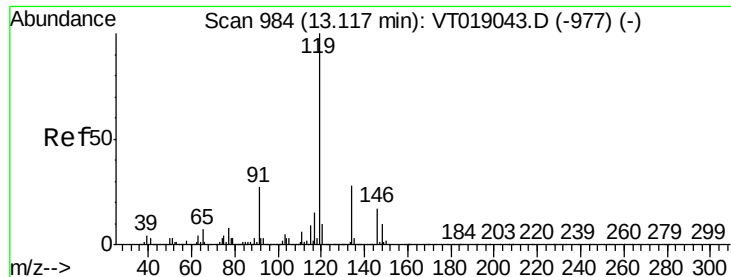
Tgt Ion:105 Resp: 9401948

Ion Ratio Lower Upper

105 100

134 35.1 10.4 31.2#

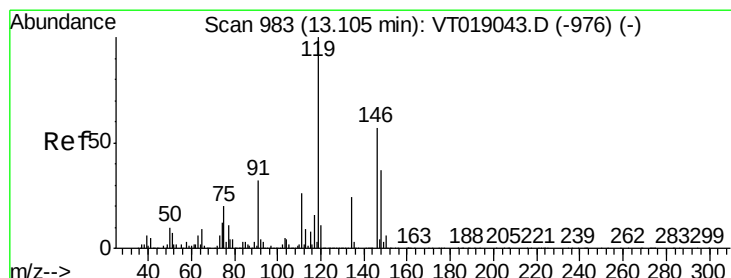
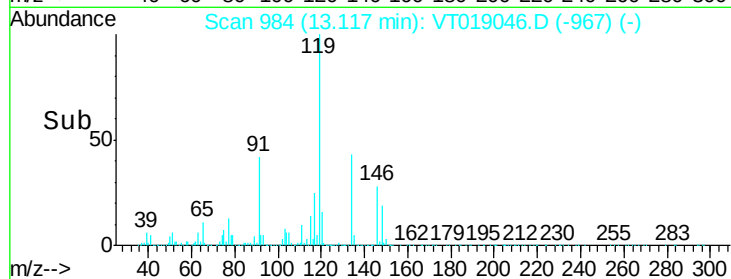
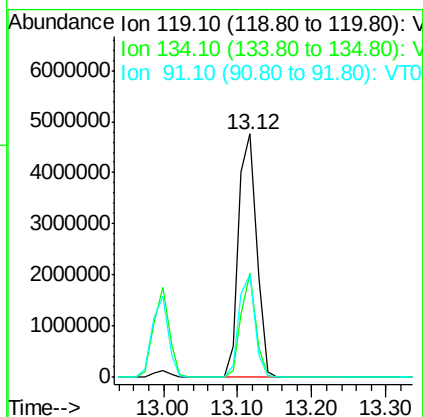
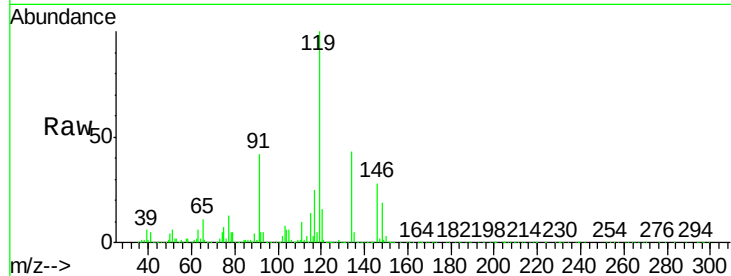




#85
 p-Isopropyltoluene
 Concen: 119.69 ug/l
 RT: 13.12 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

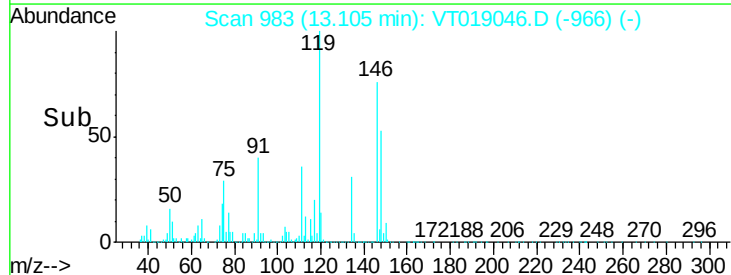
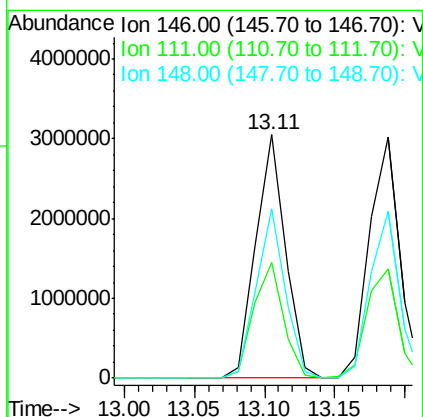
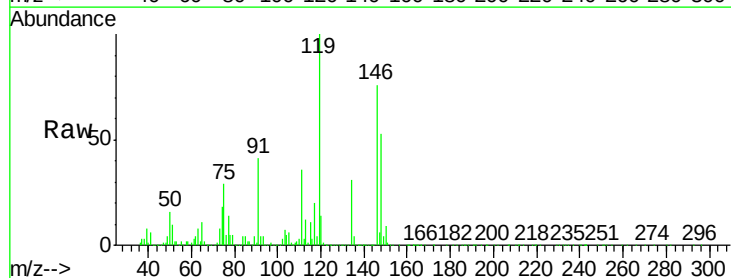
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC150

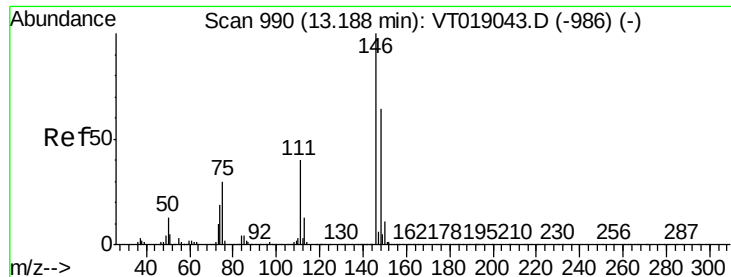
Tot Ion:119 Resp: 8179181
 Ion Ratio Lower Upper
 119 100
 134 42.6 14.1 42.3#
 91 42.3 13.5 40.4#



#86
 1,3-Dichlorobenzene
 Concen: 135.74 ug/l
 RT: 13.11 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

Tgt Ion:146 Resp: 4500884
 Ion Ratio Lower Upper
 146 100
 111 47.6 23.1 69.2
 148 69.5 32.5 97.5

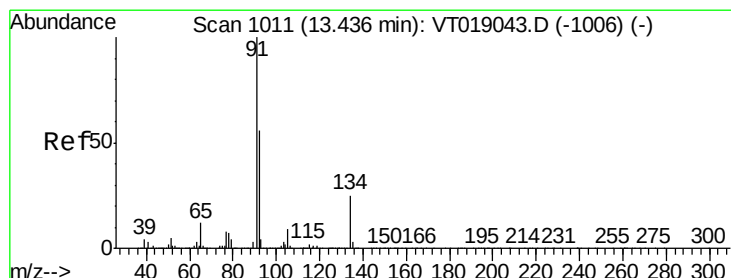
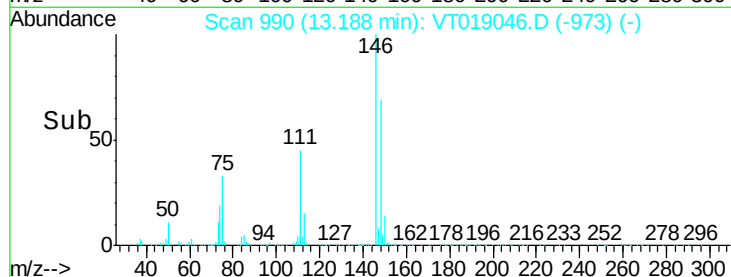
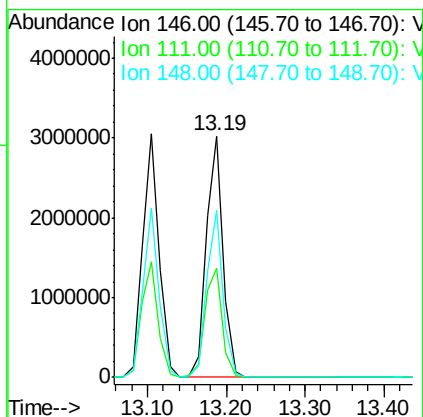
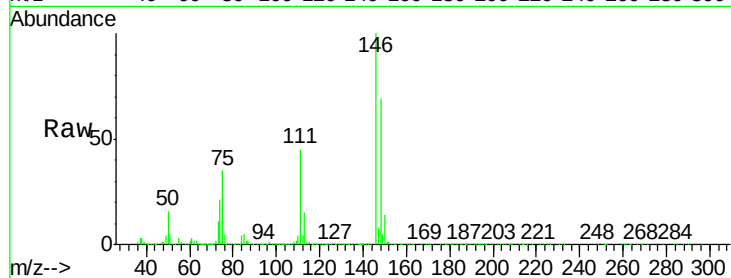




#87
 1,4-Dichlorobenzene
 Concen: 136.62 ug/l
 RT: 13.19 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

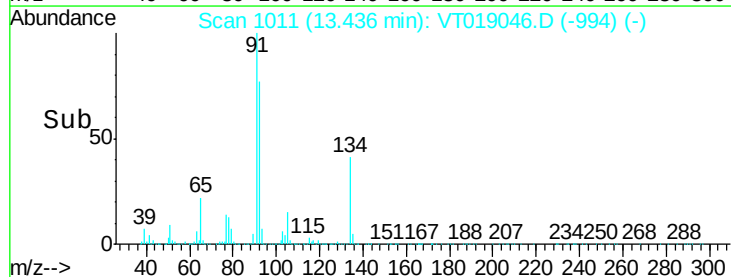
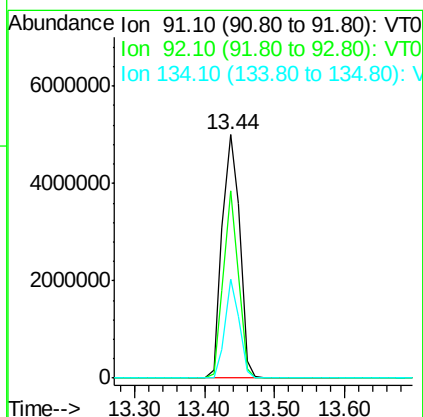
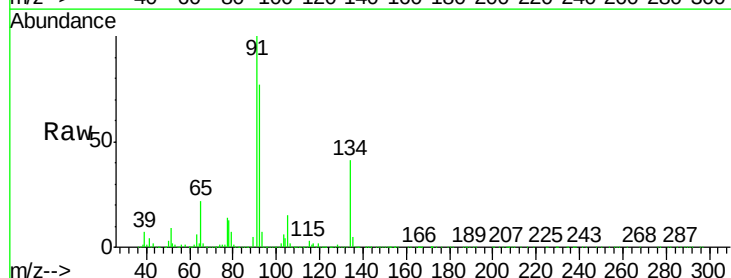
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC150

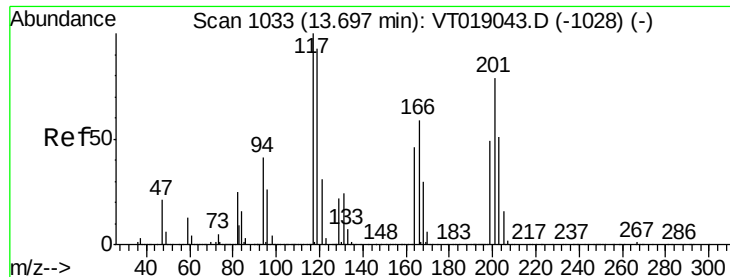
Tot Ion:146 Resp: 4506831
 Ion Ratio Lower Upper
 146 100
 111 45.5 20.3 60.8
 148 69.0 32.3 96.8



#88
 n-Butylbenzene
 Concen: 137.00 ug/l
 RT: 13.44 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

Tgt Ion: 91 Resp: 8682655
 Ion Ratio Lower Upper
 91 100
 92 76.9 28.0 84.0
 134 40.8 12.4 37.0#





#89

Hexachloroethane

Concen: 180.86 ug/l

RT: 13.70 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

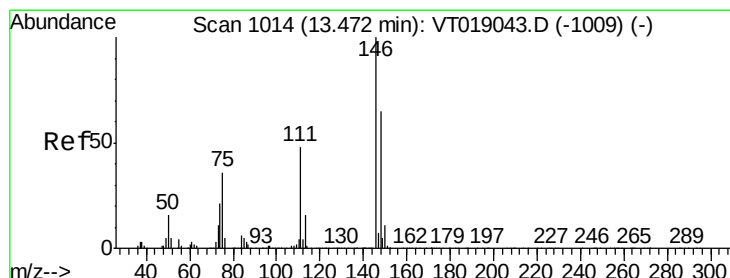
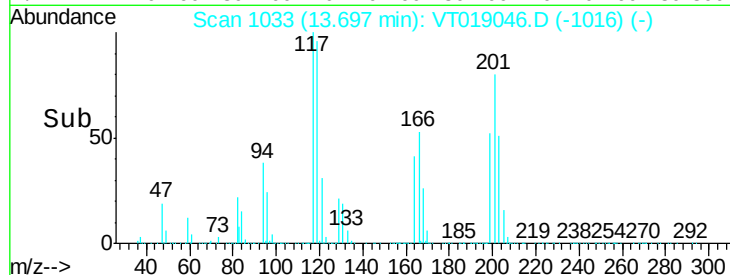
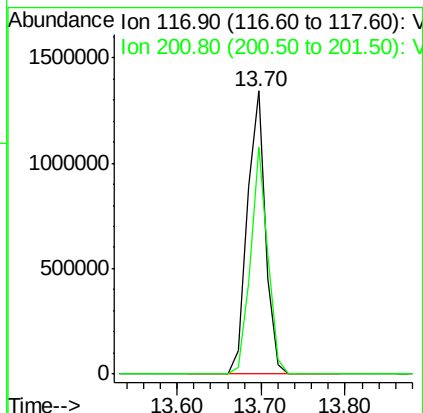
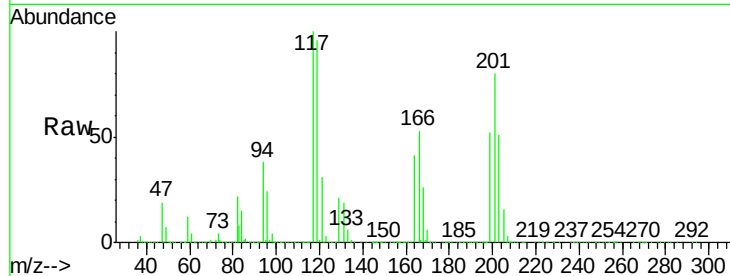
VSTDIC150

Tot Ion:117 Resp: 2017099

Ion Ratio Lower Upper

117 100

201 80.2 39.4 118.1



#90

1,2-Dichlorobenzene

Concen: 139.88 ug/l

RT: 13.47 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

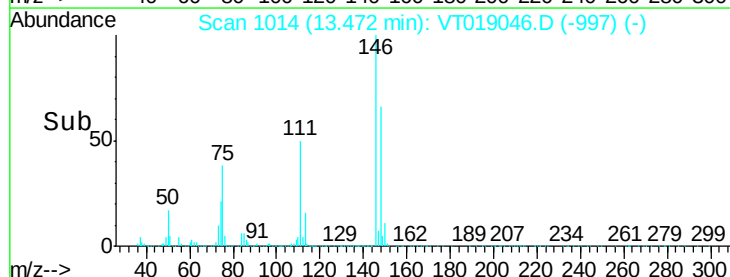
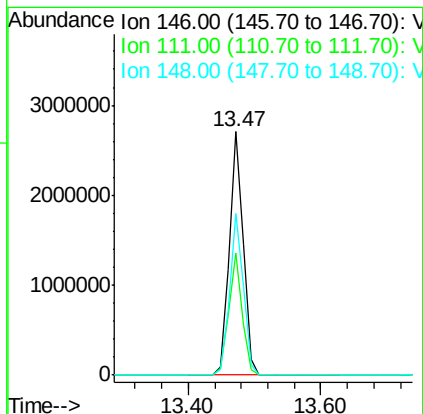
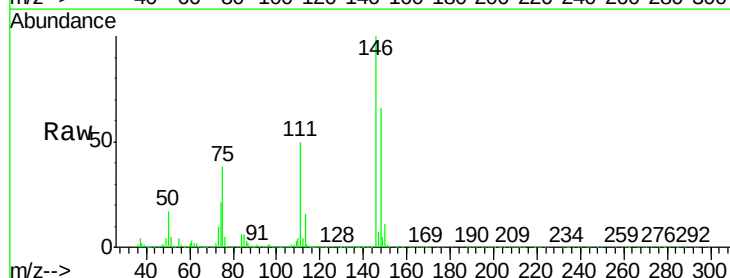
Tgt Ion:146 Resp: 3994339

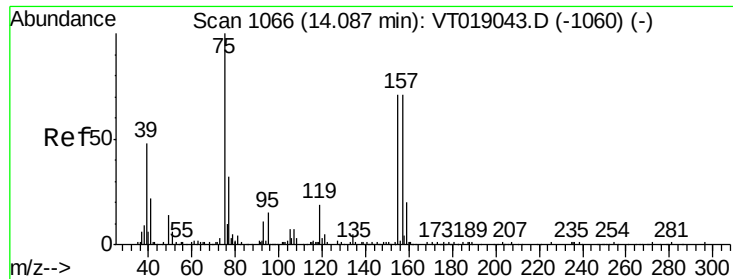
Ion Ratio Lower Upper

146 100

111 50.0 23.8 71.2

148 66.5 32.7 98.1





#91

1,2-Dibromo-3-Chloropropane

Concen: 163.31 ug/l

RT: 14.09 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC150

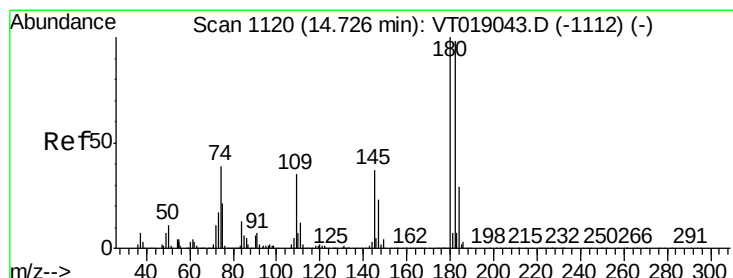
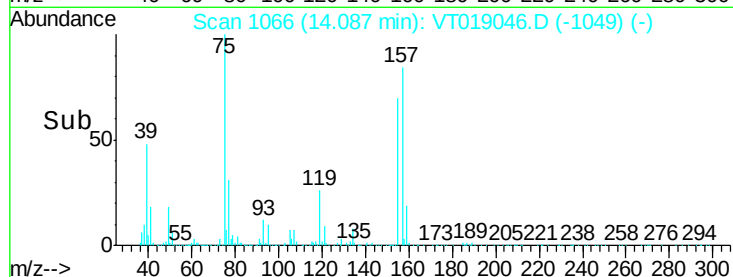
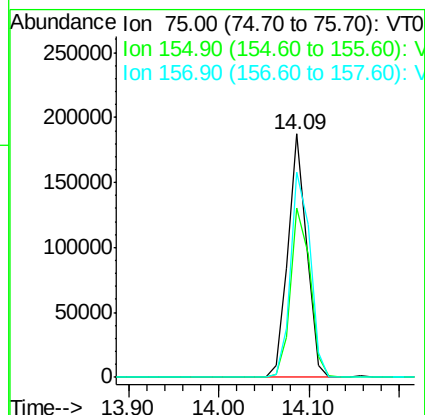
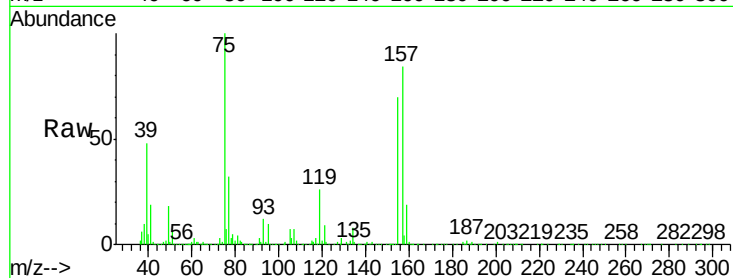
Tot Ion: 75 Resp: 271102

Ion Ratio Lower Upper

75 100

155 69.7 35.6 106.8

157 84.3 35.8 107.3



#92

1,2,4-Trichlorobenzene

Concen: 150.66 ug/l

RT: 14.73 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

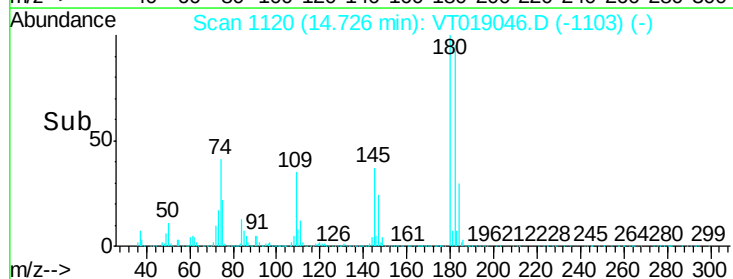
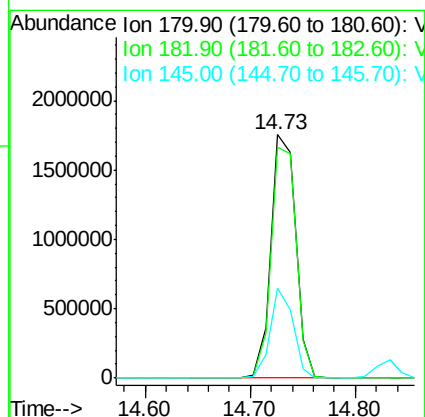
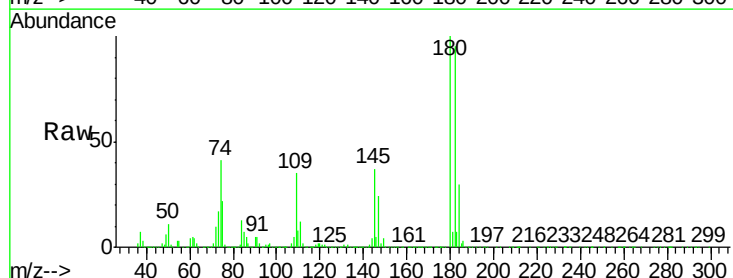
Tgt Ion:180 Resp: 2877448

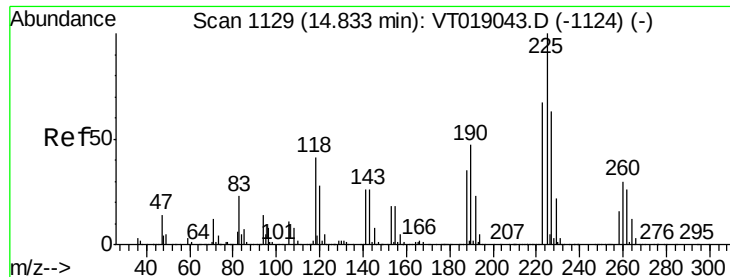
Ion Ratio Lower Upper

180 100

182 94.9 49.0 147.0

145 36.8 18.3 54.9





#93

Hexachlorobutadiene

Concen: 169.24 ug/l

RT: 14.83 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC150

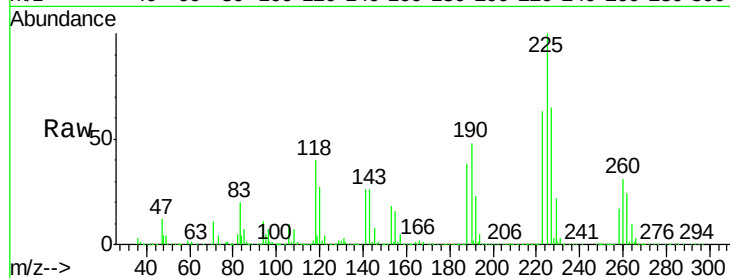
Tot Ion:225 Resp: 2125932

Ion Ratio Lower Upper

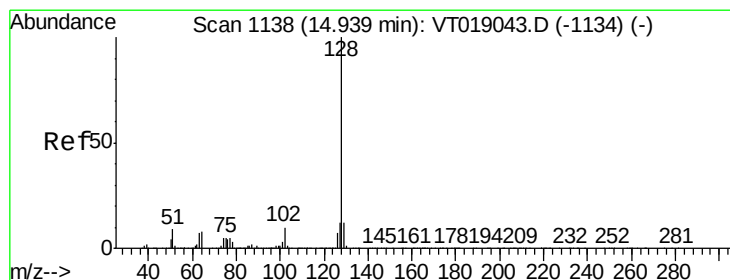
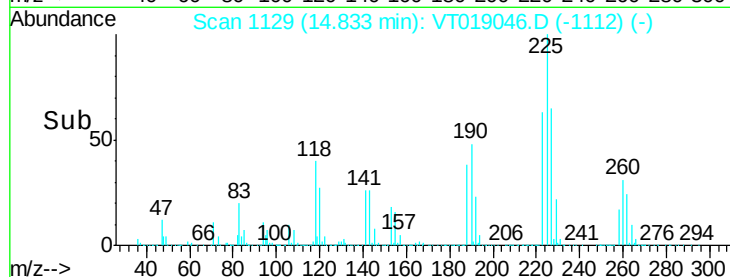
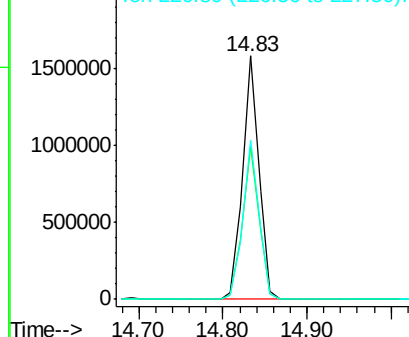
225 100

223 62.8 33.5 100.4

227 65.3 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: 145.63 ug/l

RT: 14.94 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

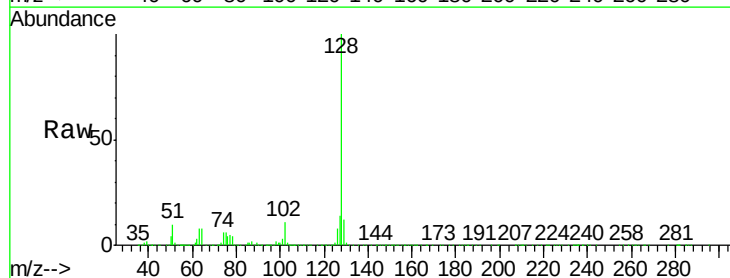
Tgt Ion:128 Resp: 4575728

Ion Ratio Lower Upper

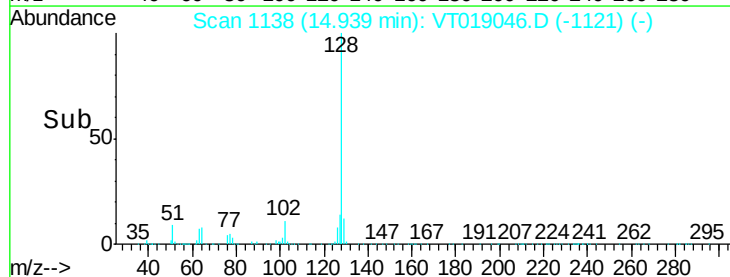
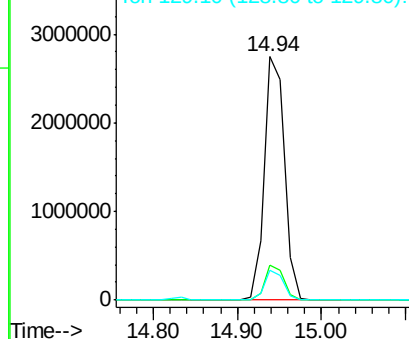
128 100

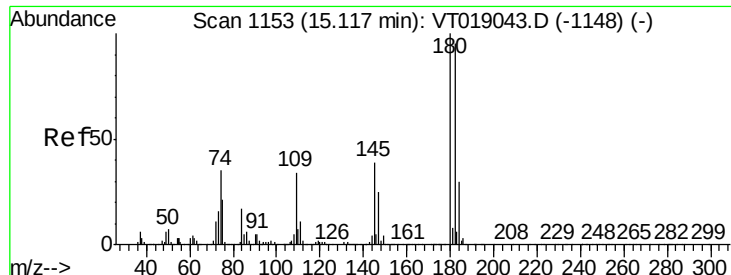
127 14.5 9.9 14.9

129 12.4 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: 142.01 ug/l

RT: 15.12 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC150

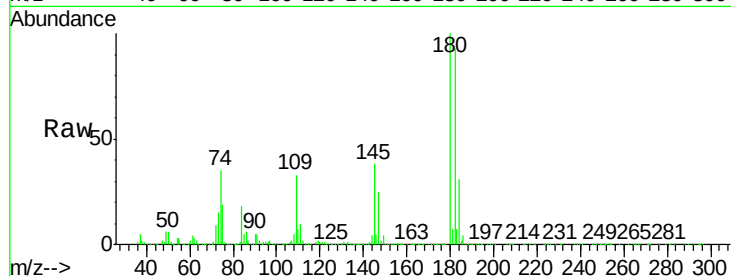
Tot Ion:180 Resp: 2321102

Ion Ratio Lower Upper

180 100

182 92.6 47.7 143.1

145 38.1 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

