

Data File : VT019046.D

Acq On : 8 May 2018 20:21

Operator : SY/MD

Sample : VSTDIC150

Misc : 5.00g/5mL/MSVOA_T/SOIL

ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

Quant Time: May 09 04:00:16 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	1998932	129.60	ug/l	94
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	2932944	121.91	ug/l	96
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	4.05	76	2175610	57.56	ug/l	99
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	1389532	86.77	ug/l	98
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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MSVOA_T
ClientSampleId :
VSTDICC150

Quant Time: May 09 04:00:16 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)
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	11.33	106	3615123	116.63	ug/l	89
68) o-Xylene	11.77	106	4062844	143.84	ug/l	66
69) Styrene	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	2362046	307.34	ug/l	95
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	9569553	174.47	ug/l	84
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

Data Path : W:\HPCHEM1\MSVOA_T\DATA\VT050818\
Quantitation Report (Not Reviewed)

Data File : VT019046.D
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Sample : VSTDICC150
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ClientSampleId :
VSTDICC150

Quant Time: May 09 04:00:16 2018
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Quant Title : SW846 8260
QLast Update : Wed May 09 03:54:37 2018
Response via : Initial Calibration

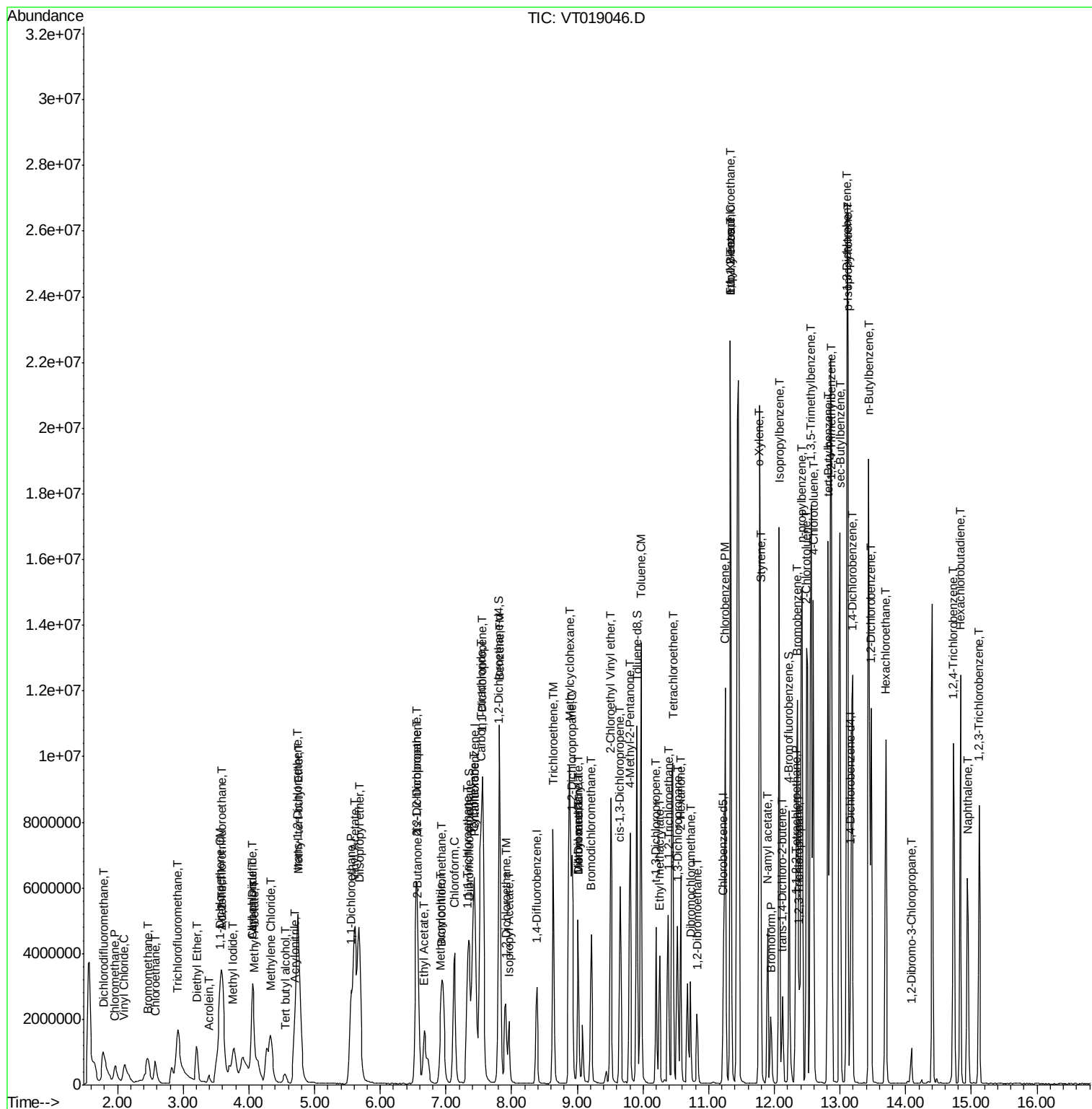
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	14.83	225	2125932	169.24	ug/l	96
94) Naphthalene	14.94	128	4575728	145.63	ug/l	96
95) 1,2,3-Trichlorobenzene	15.12	180	2321102	142.01	ug/l	98

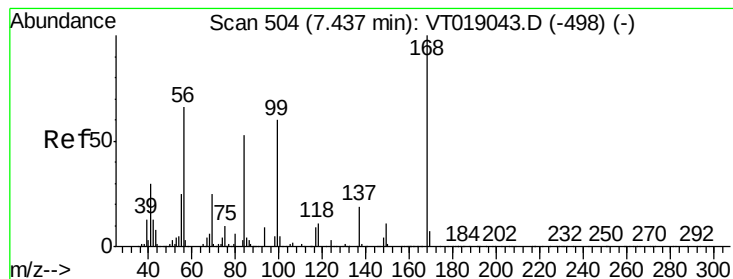
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial      : 9      Sample Multiplier: 1
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VSTDICC150

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 504

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

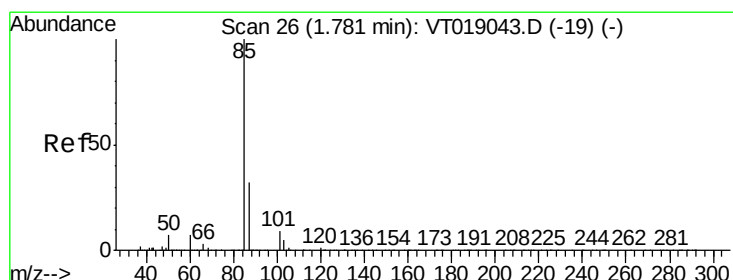
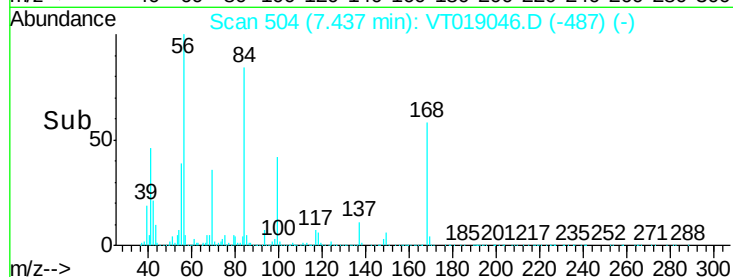
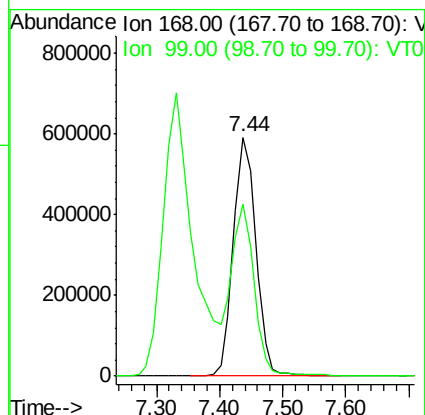
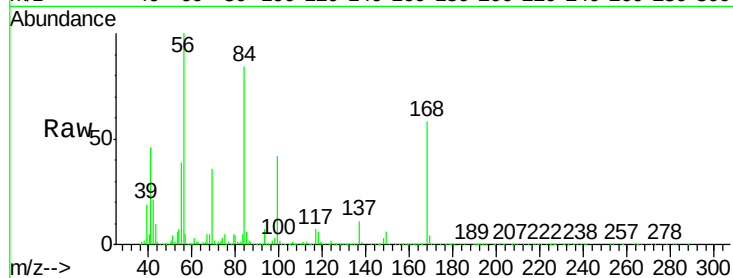
VSTDIC150

Tgt 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

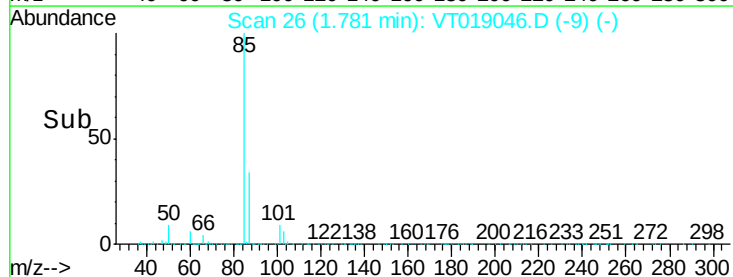
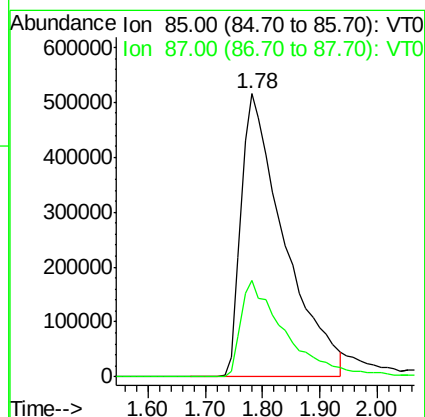
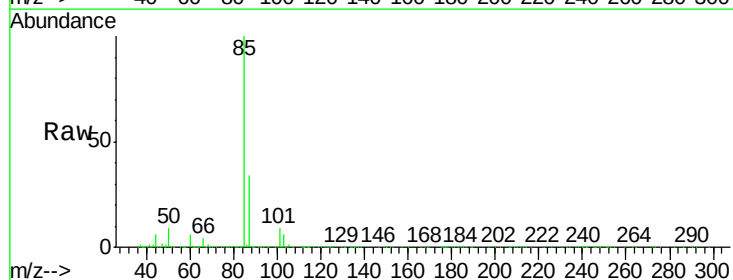
Acq: 8 May 2018 20:21

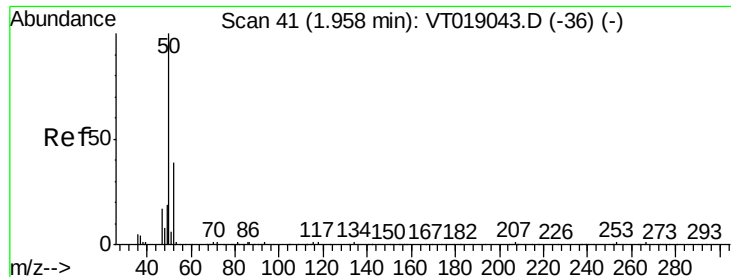
Tgt Ion: 85 Resp: 2705617

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 :

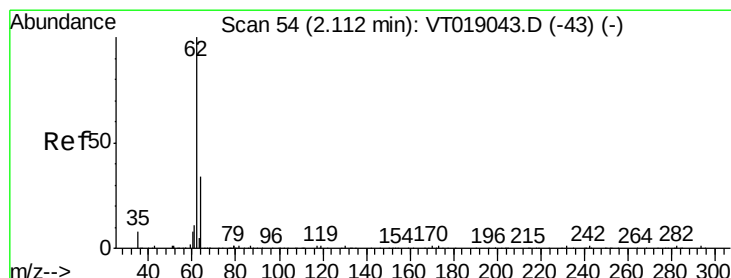
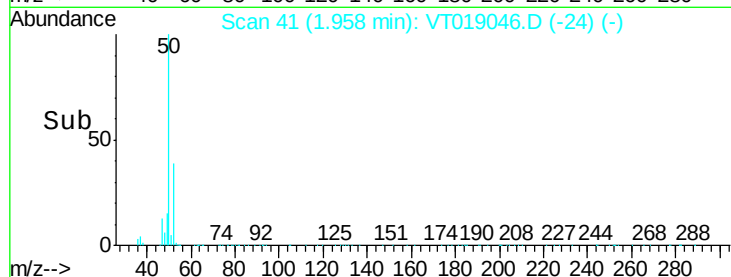
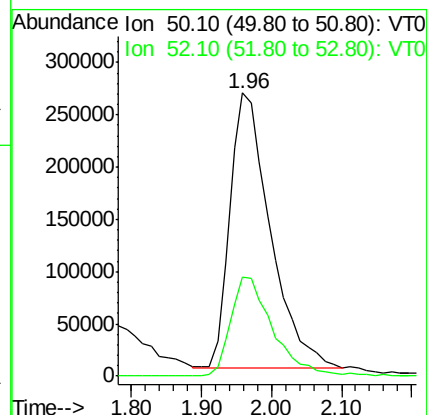
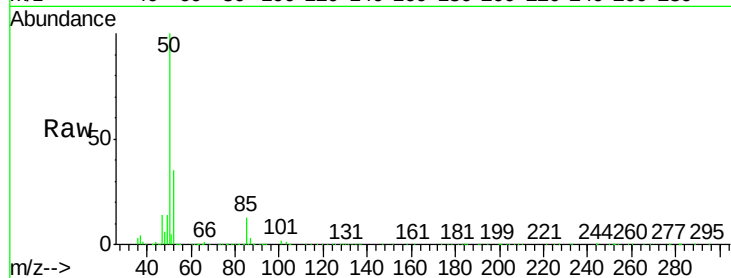
VSTDIC150

Tgt 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

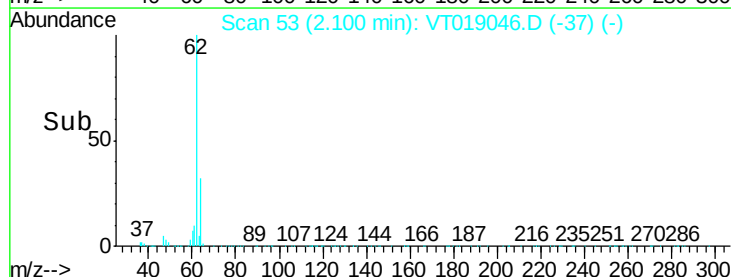
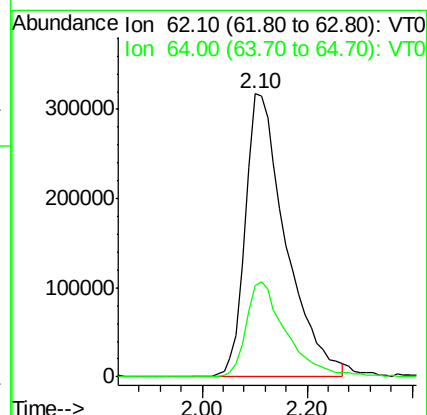
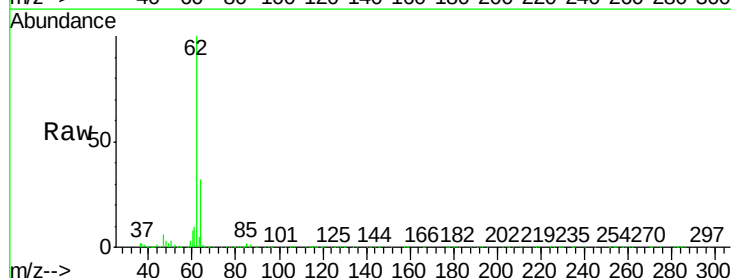
Acq: 8 May 2018 20:21

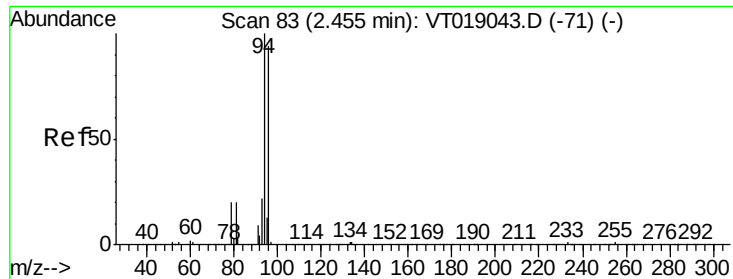
Tgt Ion: 62 Resp: 1698416

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 :

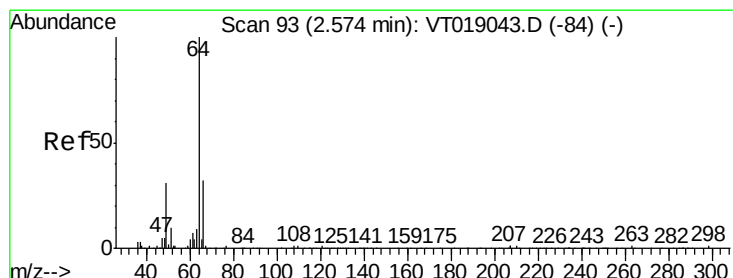
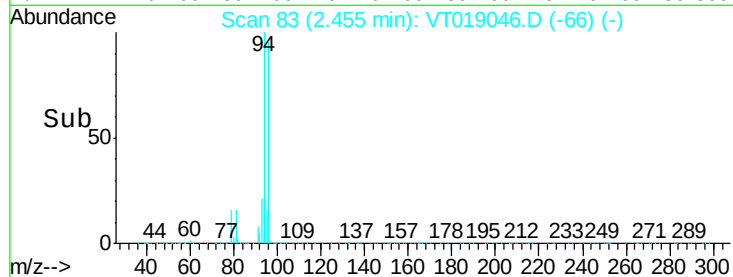
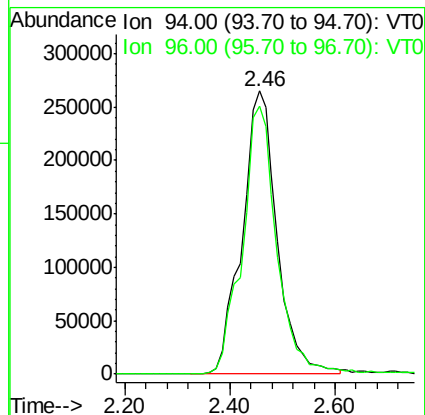
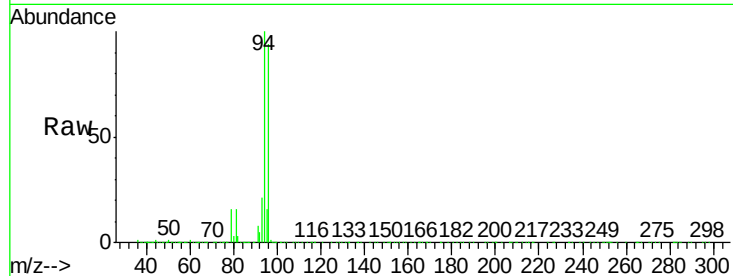
VSTDIC150

Tgt 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

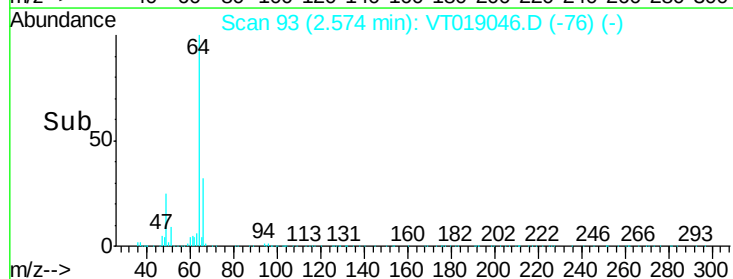
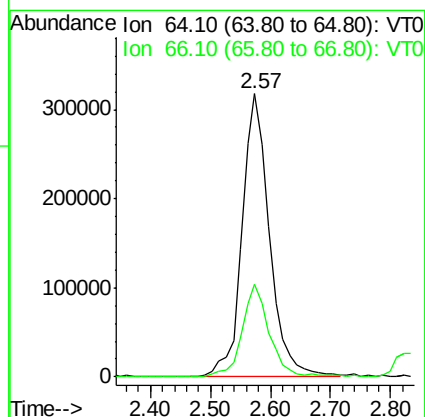
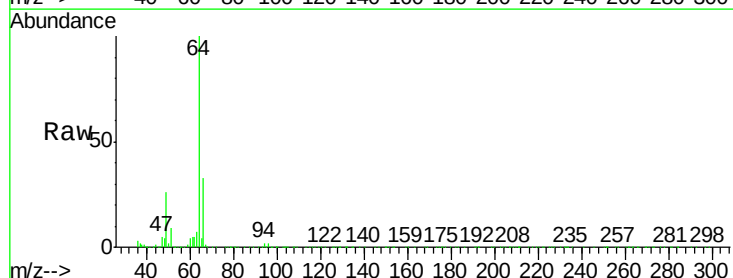
Acq: 8 May 2018 20:21

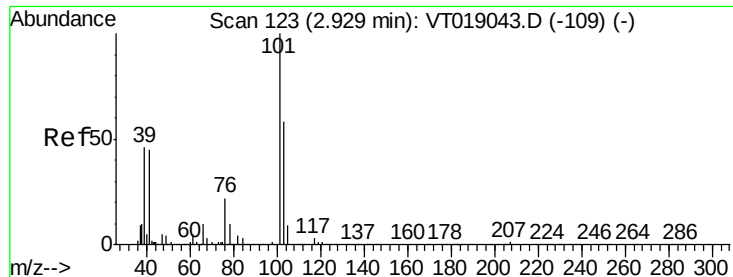
Tgt Ion: 64 Resp: 1010759

Ion Ratio Lower Upper

64 100

66 32.5 25.8 38.8



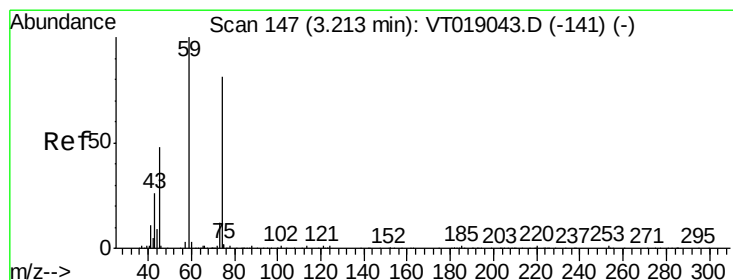
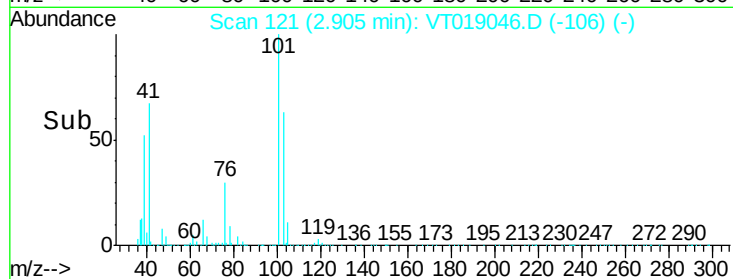
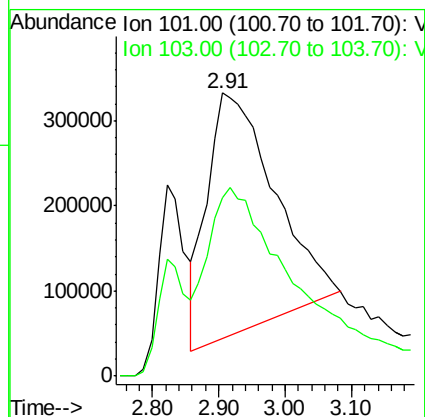
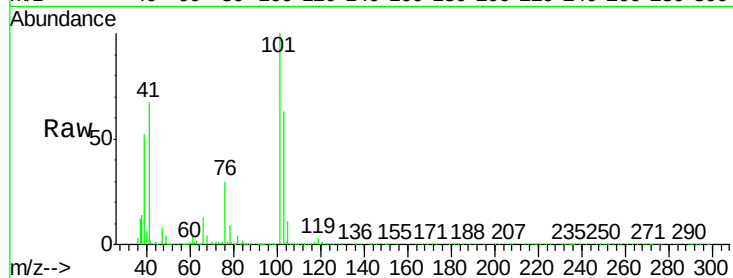


#7

Trichlorofluoromethane
Concen: 129.60 ug/l
RT: 2.91 min Scan# 121
Delta R.T. -0.02 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

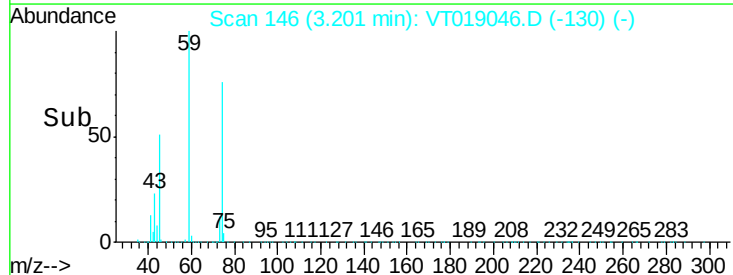
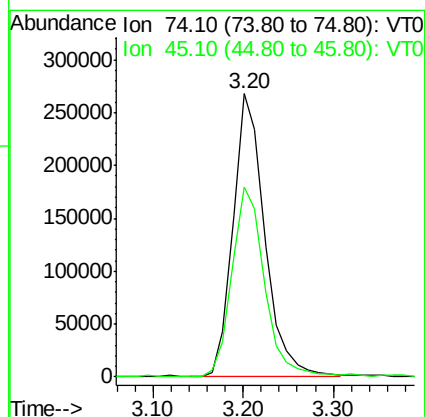
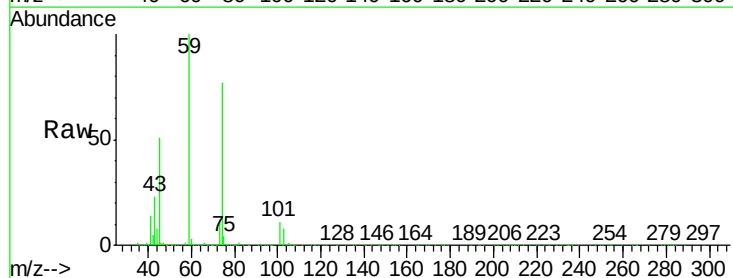
Tgt Ion:101 Resp: 1998932
Ion Ratio Lower Upper
101 100
103 62.9 46.5 69.7

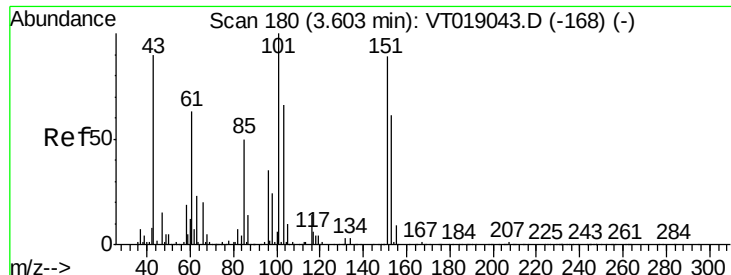


#8

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

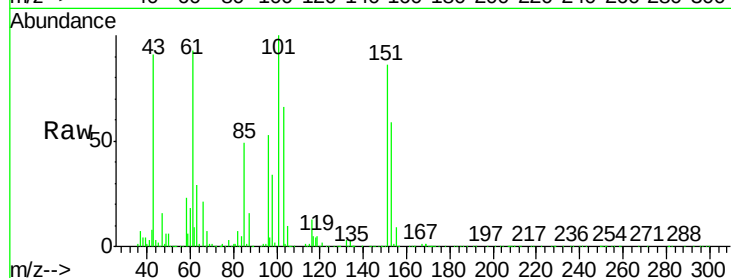
Tgt Ion:101 Resp: 1827245

Ion Ratio Lower Upper

101 100

85 48.8 39.5 59.3

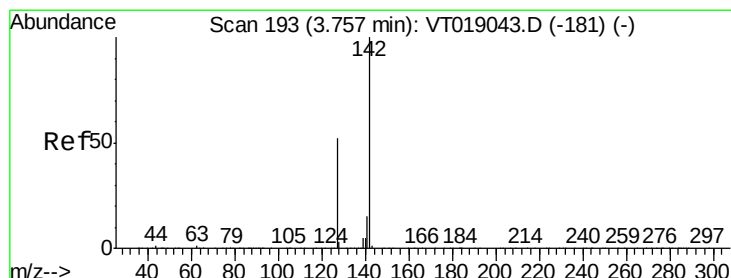
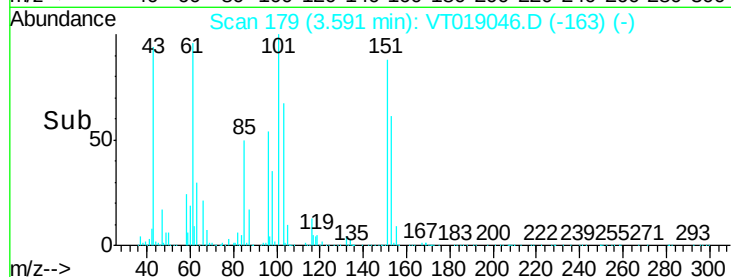
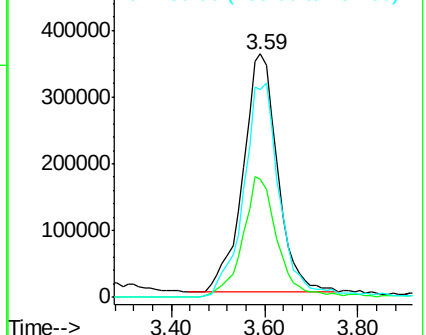
151 85.5 69.9 104.9



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

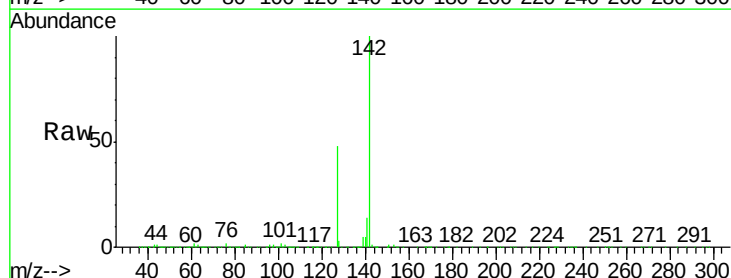
Tgt Ion:142 Resp: 2741207

Ion Ratio Lower Upper

142 100

127 48.0 41.8 62.8

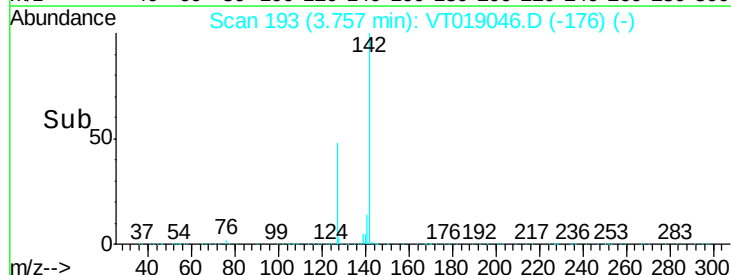
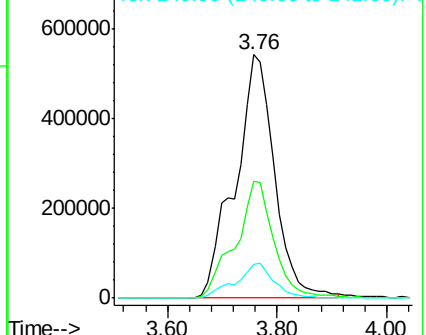
141 13.7 12.0 18.0

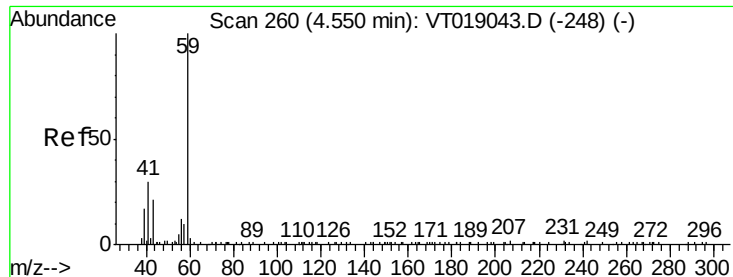


Abundance Ion 141.90 (141.60 to 142.60): V

Ion 126.90 (126.60 to 127.60): V

Ion 140.90 (140.60 to 141.60): V



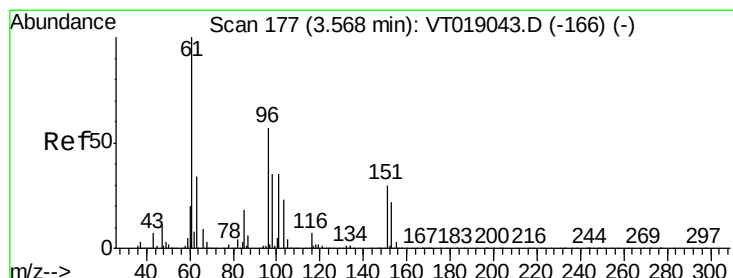
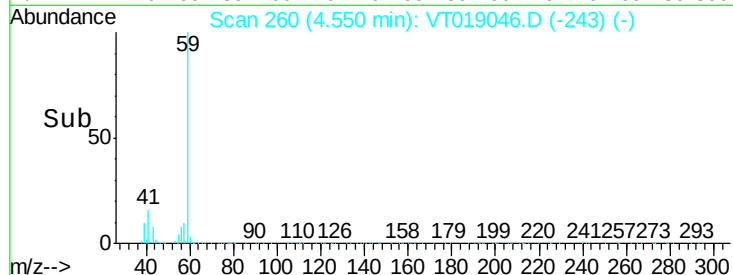
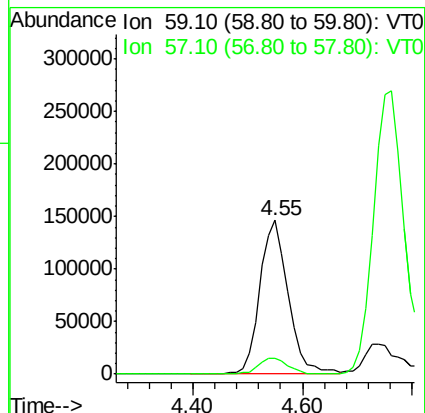
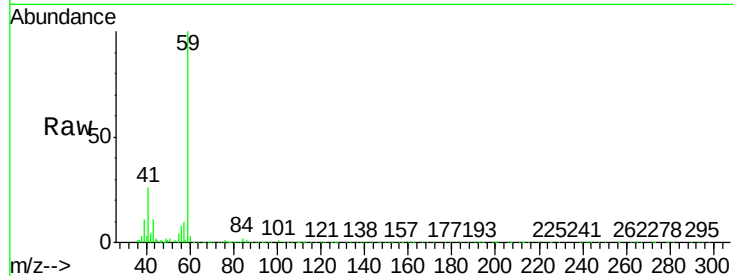


#11

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

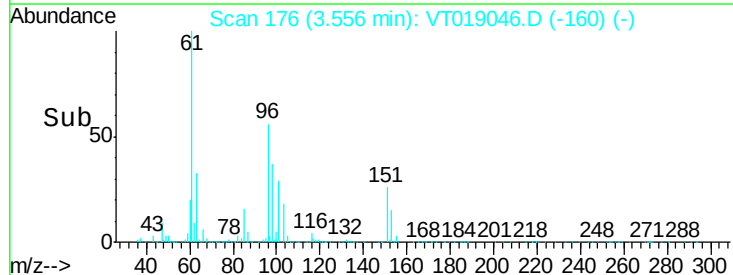
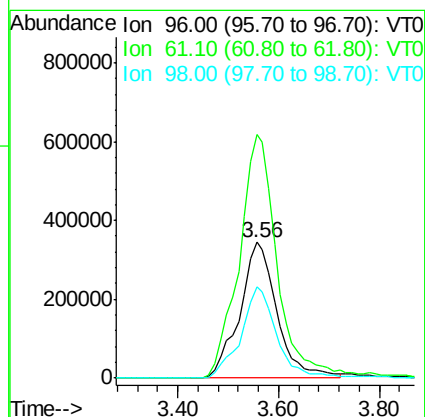
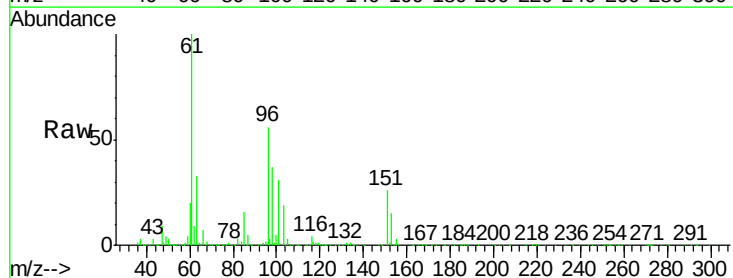
Tgt Ion: 59 Resp: 532605
Ion Ratio Lower Upper
59 100
57 10.3 7.7 11.5

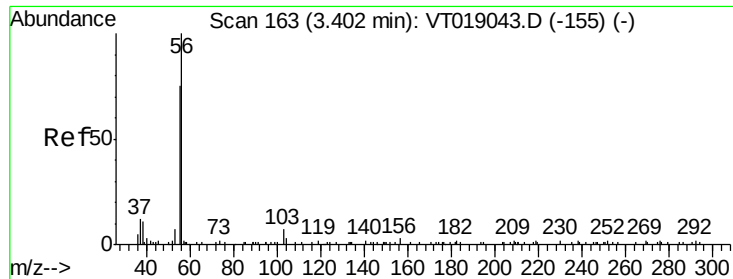


#12

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 :

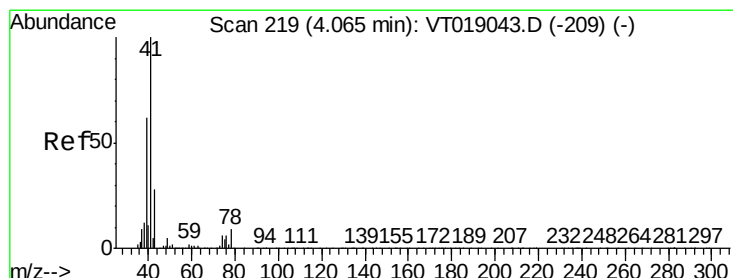
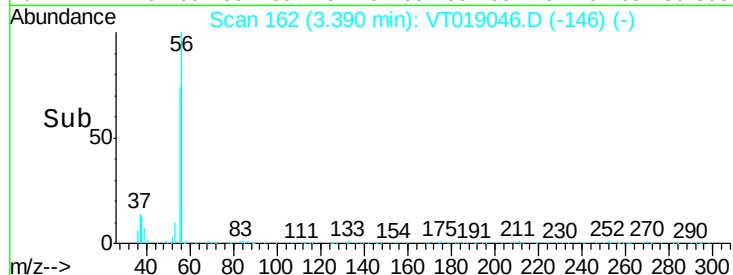
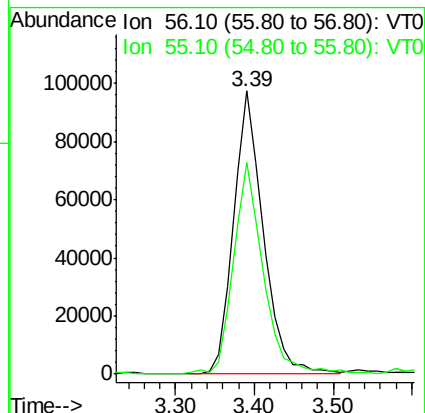
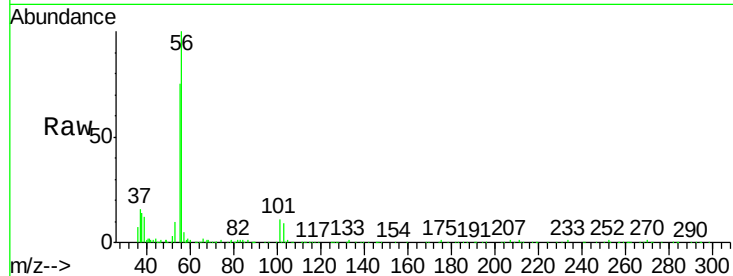
VSTDIC150

Tgt Ion: 56 Resp: 253708

Ion Ratio Lower Upper

56 100

55 74.8 60.8 91.2



#14

Allyl chloride

Concen: 121.91 ug/l

RT: 4.05 min Scan# 218

Delta R.T. -0.01 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

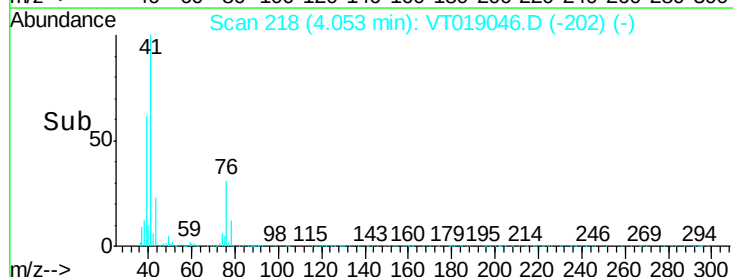
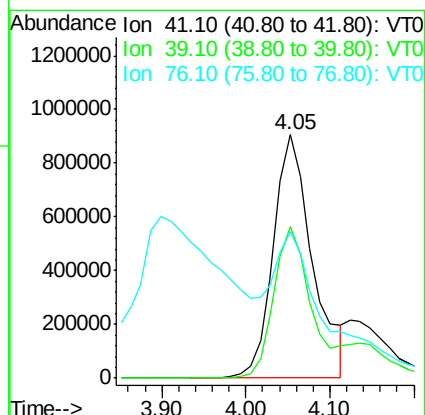
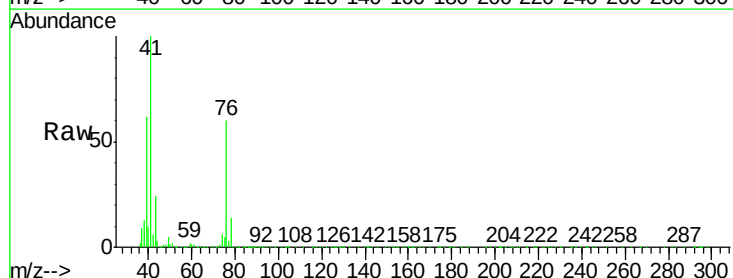
Tgt Ion: 41 Resp: 2932944

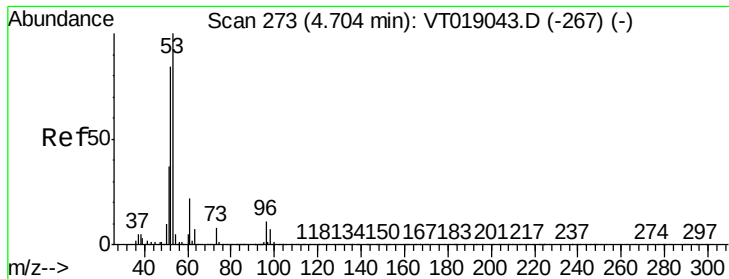
Ion Ratio Lower Upper

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

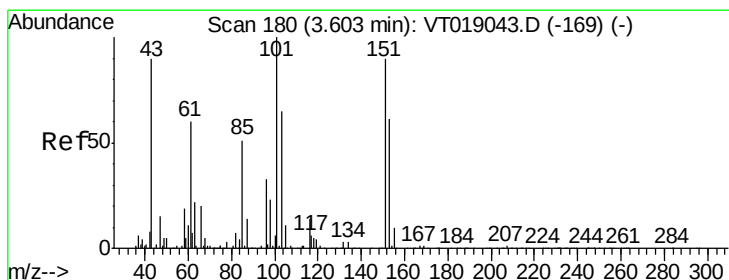
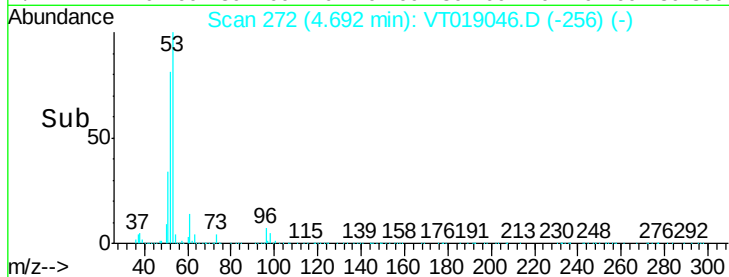
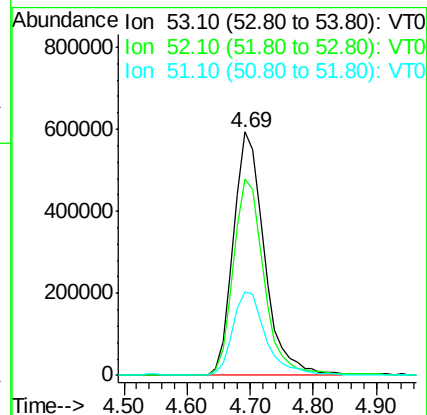
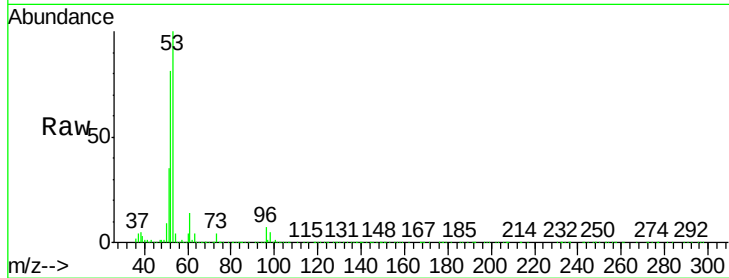
Tgt Ion: 53 Resp: 2014922

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

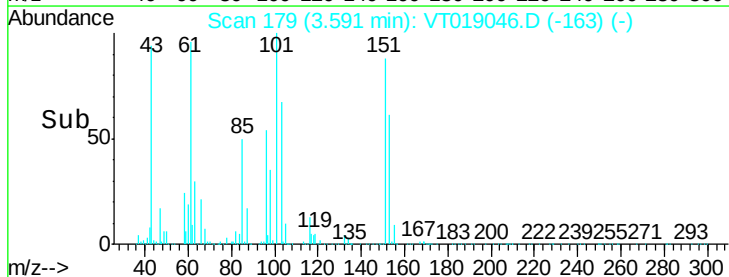
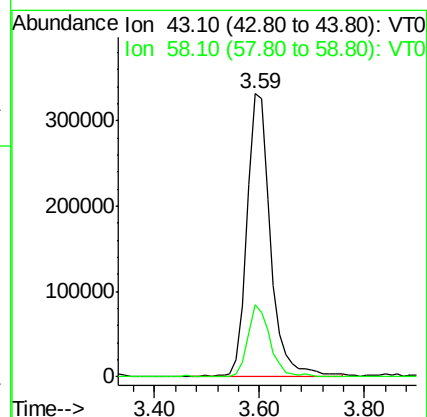
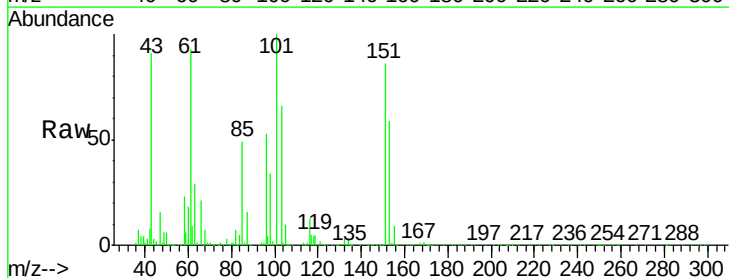
Acq: 8 May 2018 20:21

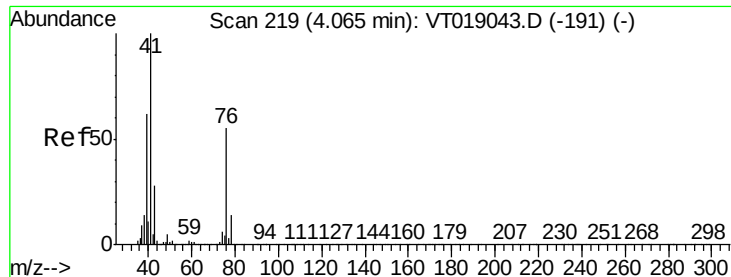
Tgt Ion: 43 Resp: 1025405

Ion Ratio Lower Upper

43 100

58 25.4 16.7 25.1#





#17

Carbon Disulfide

Concen: 57.56 ug/l

RT: 4.05 min Scan# 218

Delta R.T. -0.01 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Instrument :

MSVOA_T

ClientSampleId :

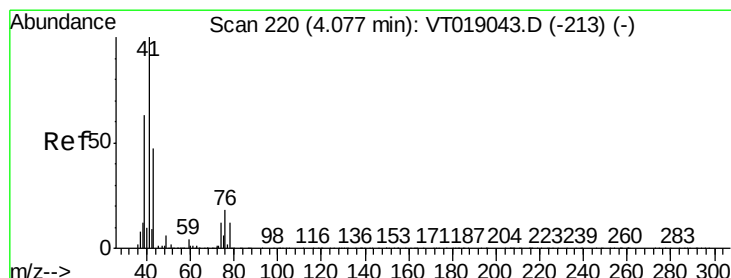
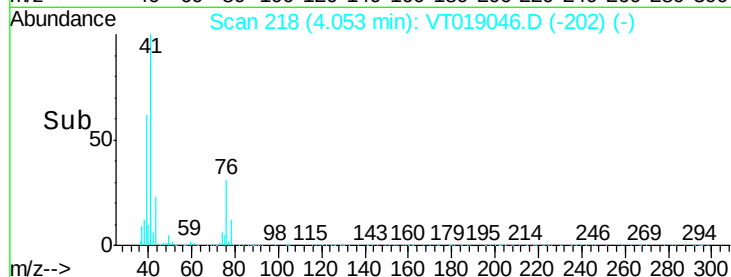
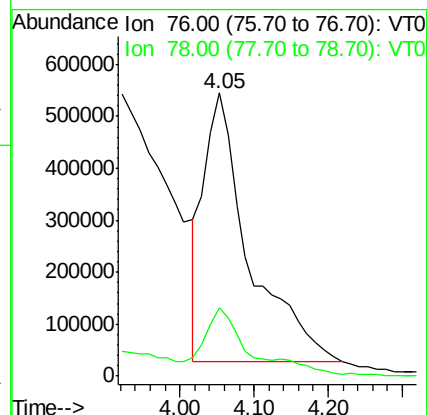
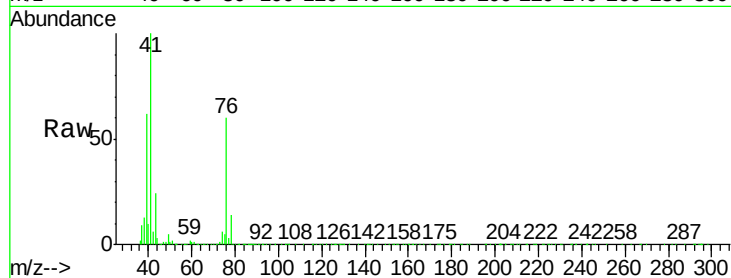
VSTDIC150

Tgt Ion: 76 Resp: 2175610

Ion Ratio Lower Upper

76 100

78 24.1 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

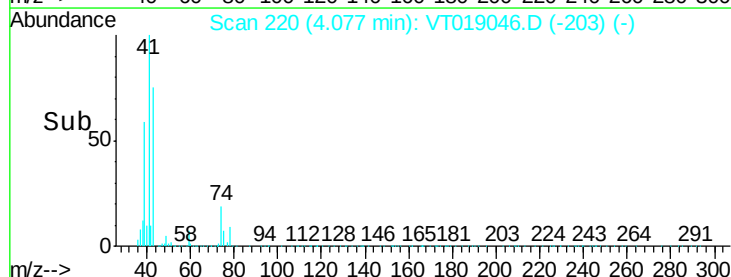
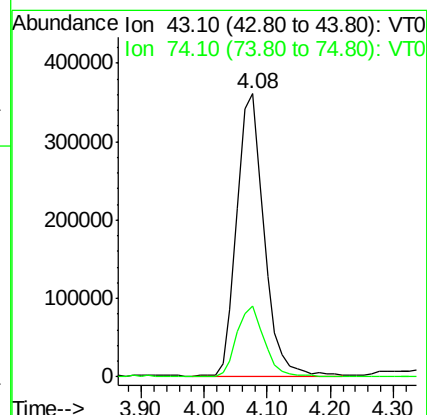
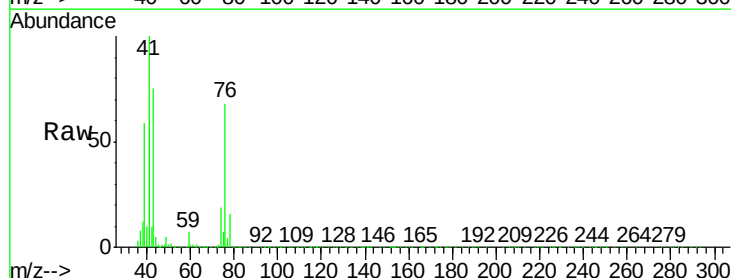
Acq: 8 May 2018 20:21

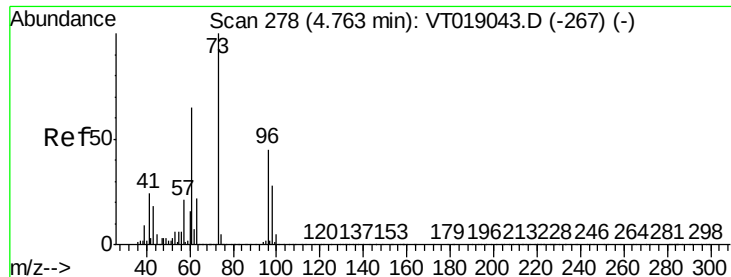
Tgt Ion: 43 Resp: 1071255

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 :

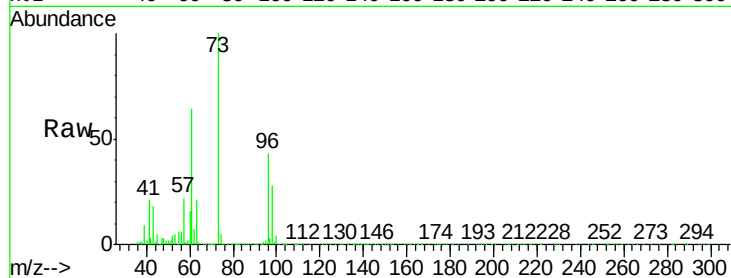
VSTDIC150

Tgt Ion: 73 Resp: 4694410

Ion Ratio Lower Upper

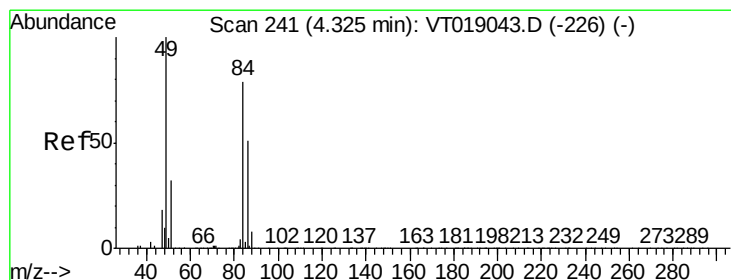
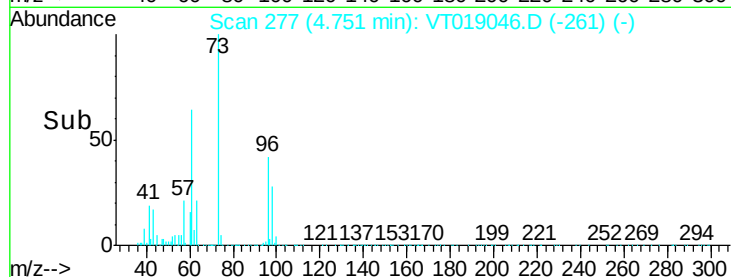
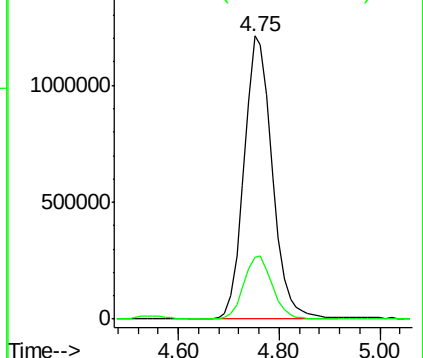
73 100

57 21.9 16.6 25.0



Abundance Ion 73.10 (72.80 to 73.80): VT0

Ion 57.10 (56.80 to 57.80): VT0



#20

Methylene Chloride

Concen: 86.77 ug/l

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: 1389532

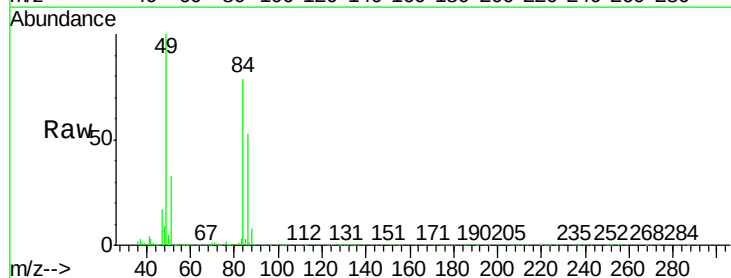
Ion Ratio Lower Upper

84 100

49 127.0 103.0 154.4

51 41.5 33.3 49.9

86 66.8 51.7 77.5

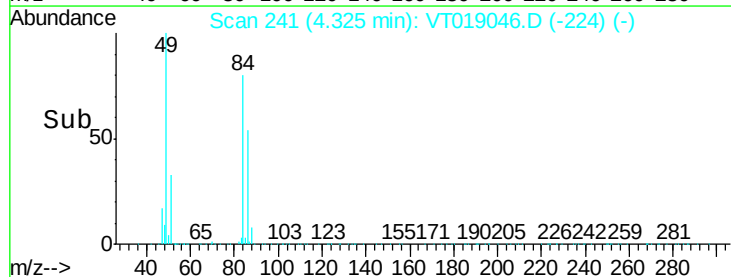
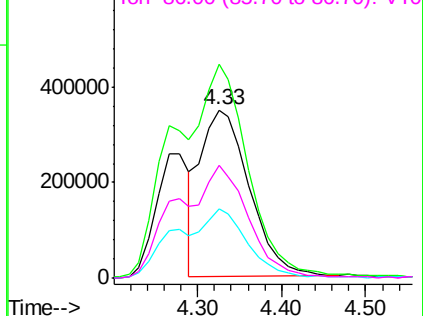


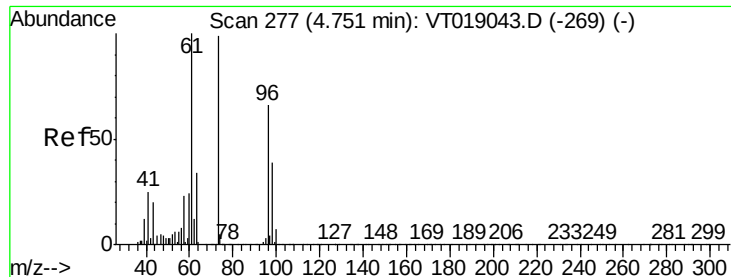
Abundance Ion 84.00 (83.70 to 84.70): VT0

Ion 49.10 (48.80 to 49.80): VT0

Ion 51.10 (50.80 to 51.80): VT0

Ion 86.00 (85.70 to 86.70): VT0





#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

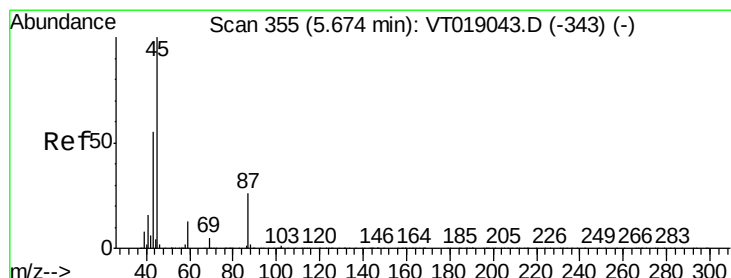
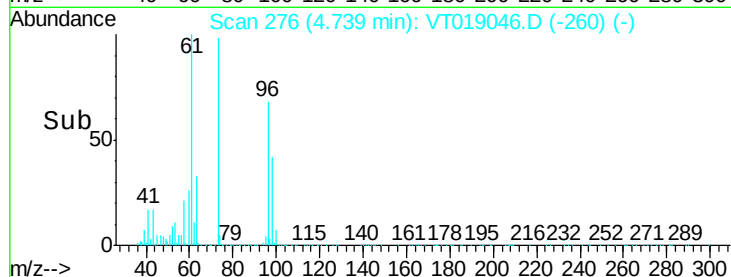
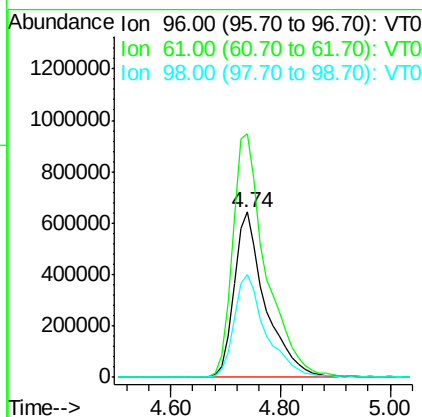
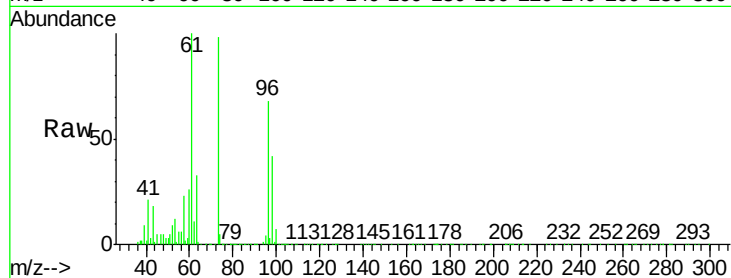
Tgt Ion: 96 Resp: 2565522

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

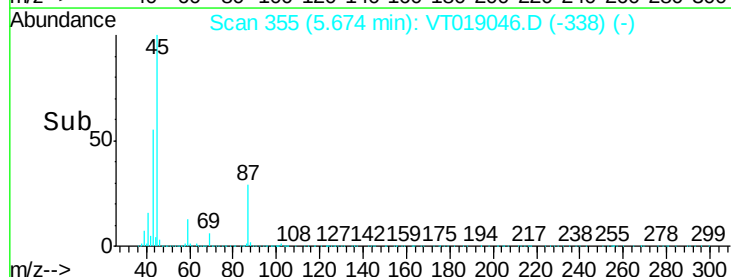
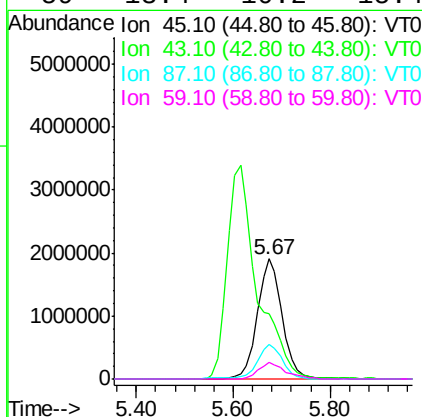
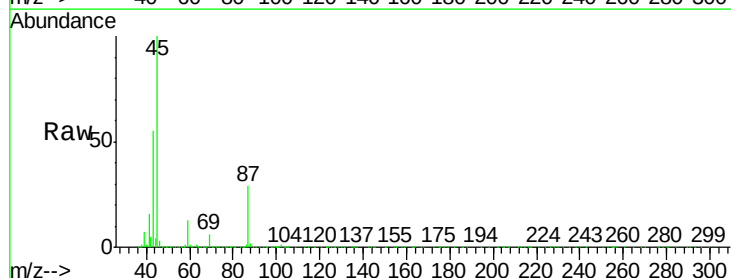
Ion Ratio Lower Upper

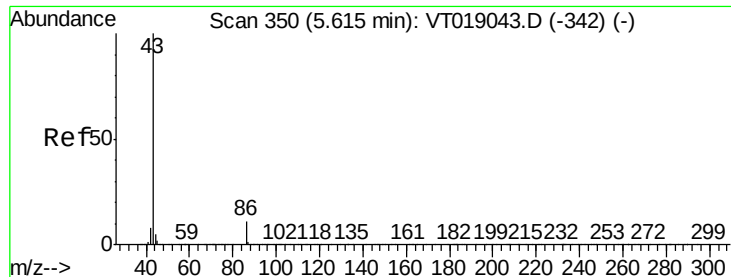
45 100

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 :

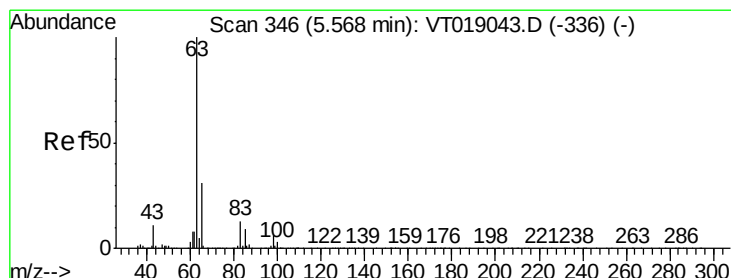
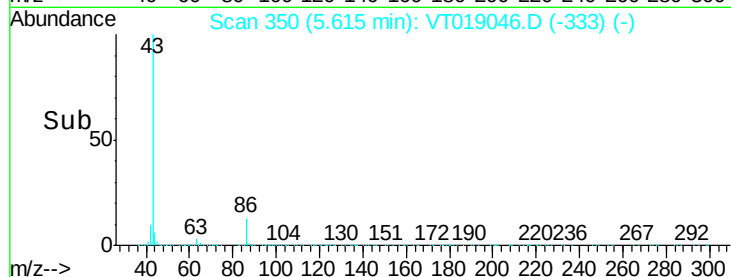
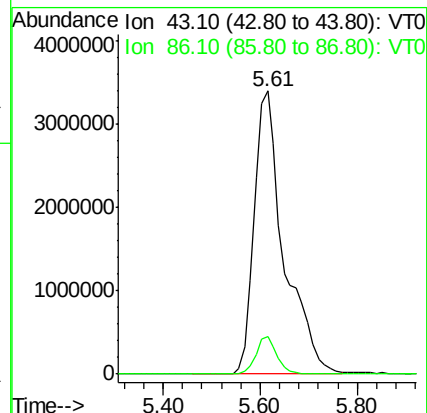
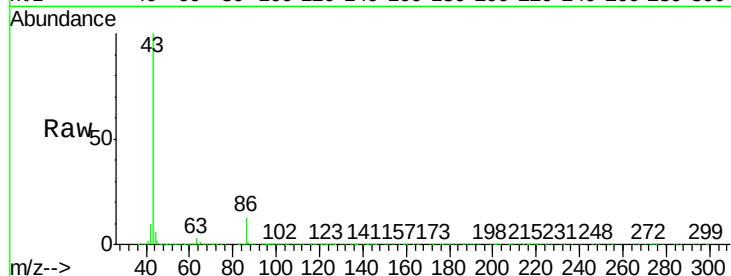
VSTDIC150

Tgt 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

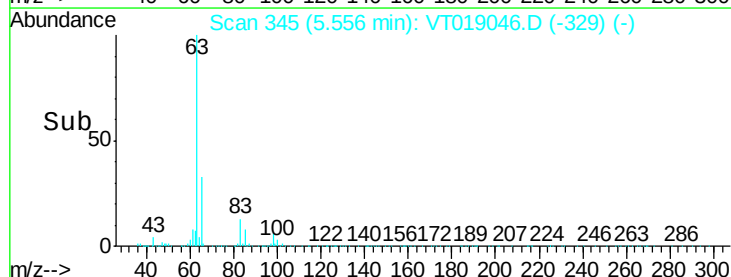
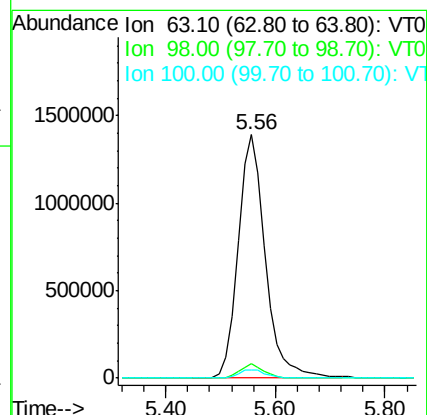
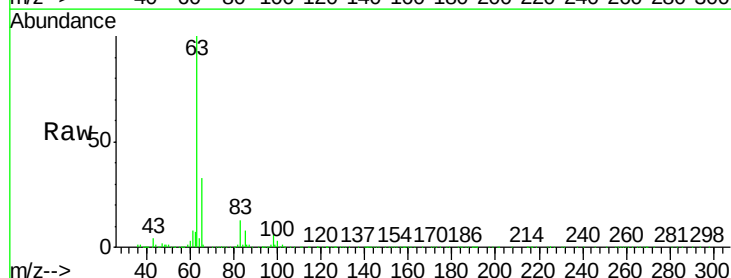
Tgt Ion: 63 Resp: 4838360

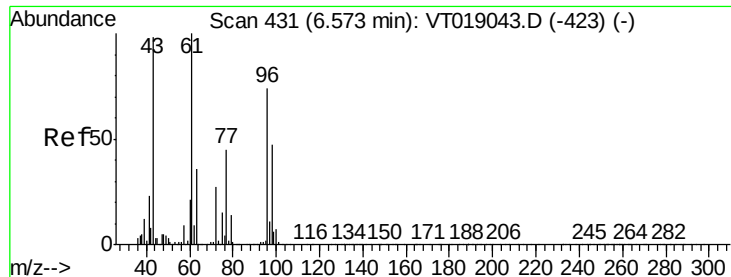
Ion Ratio Lower Upper

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 :

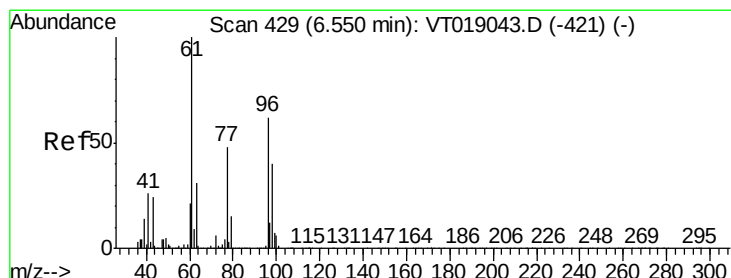
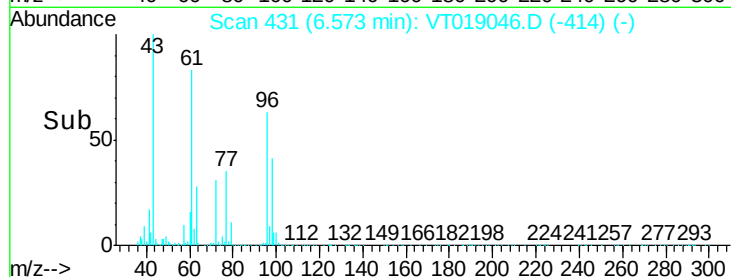
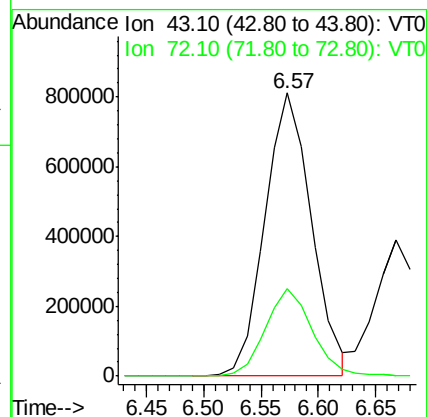
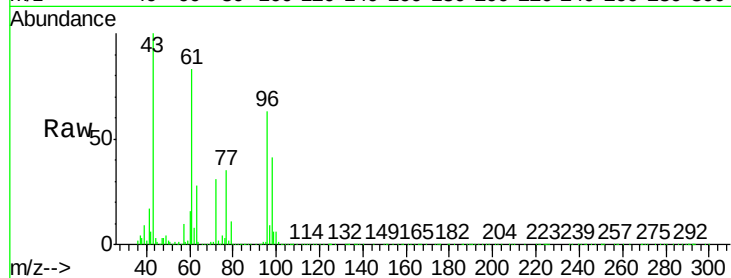
VSTDIC150

Tgt 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

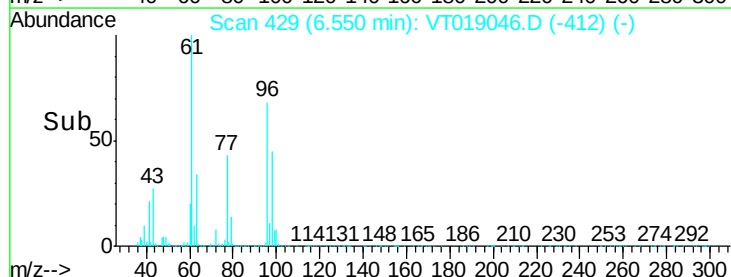
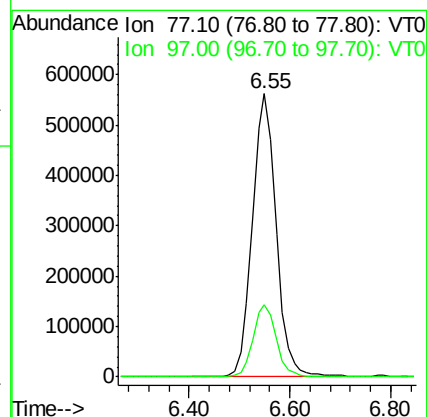
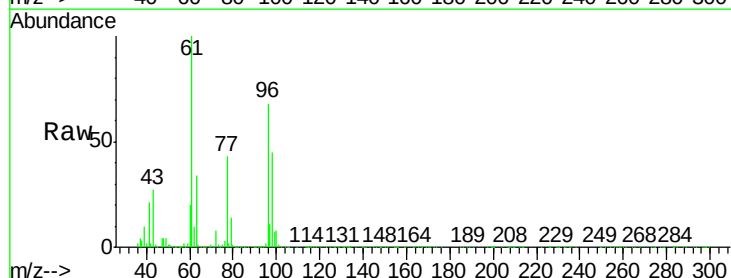
Acq: 8 May 2018 20:21

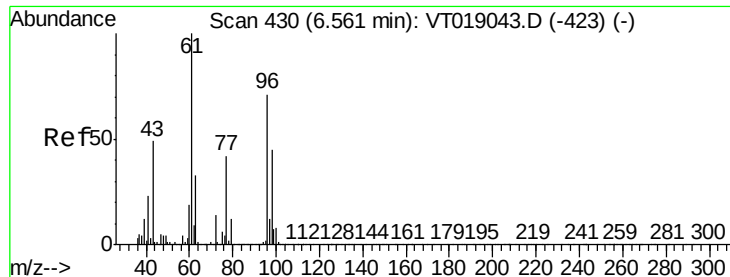
Tgt Ion: 77 Resp: 1837638

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

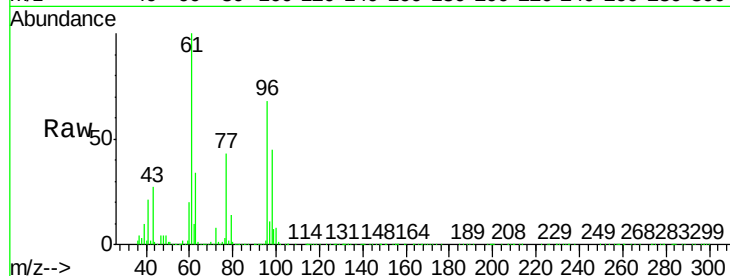
Tgt Ion: 96 Resp: 2654317

Ion Ratio Lower Upper

96 100

61 146.7 0.0 282.0

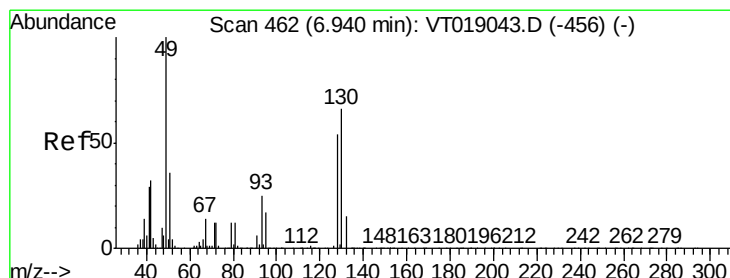
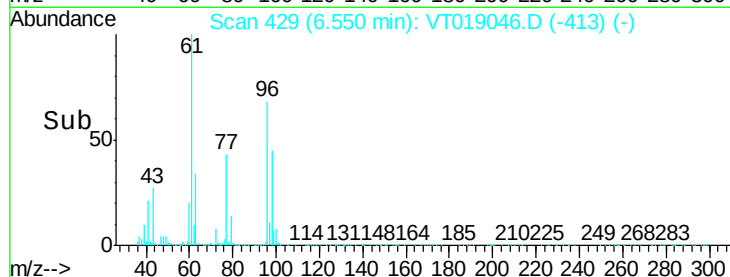
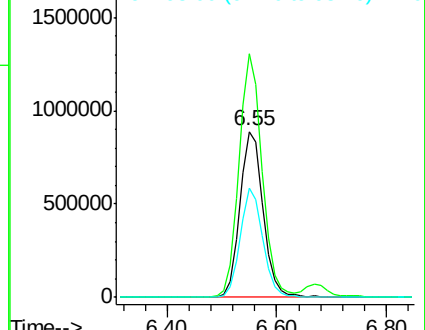
98 65.5 0.0 125.8



Abundance Ion 96.00 (95.70 to 96.70): VT0

Ion 61.10 (60.80 to 61.80): VT0

Ion 98.00 (97.70 to 98.70): VT0



#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

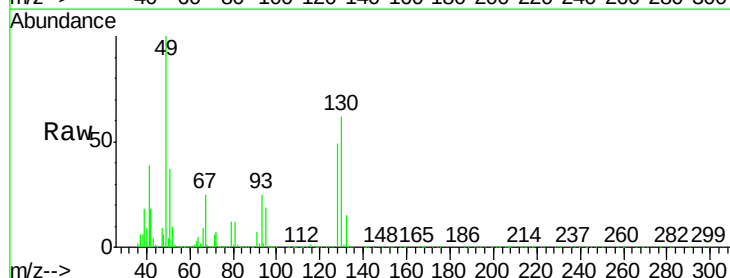
Tgt Ion: 49 Resp: 1525330

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

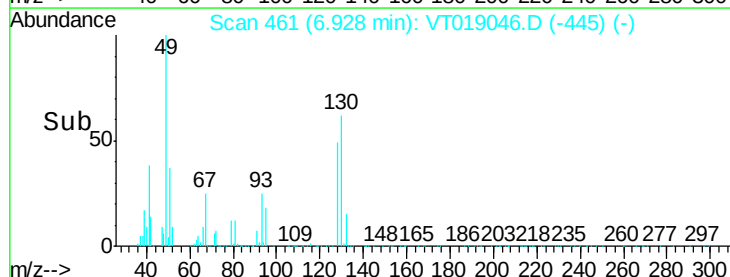
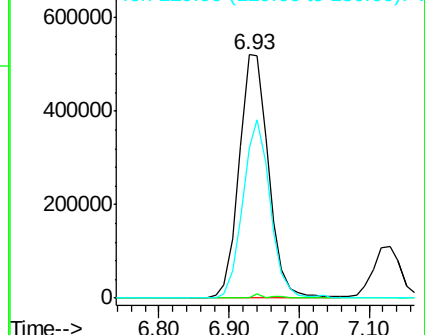
130 61.9 52.4 78.6

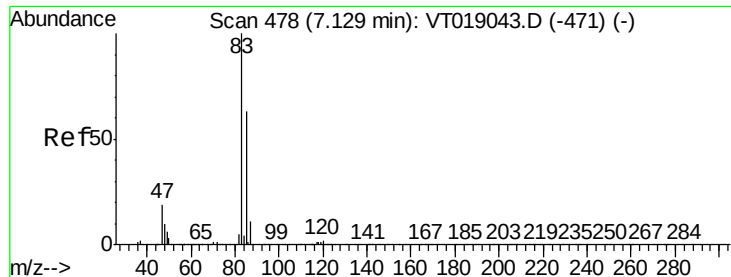


Abundance Ion 49.10 (48.80 to 49.80): VT0

Ion 129.00 (128.70 to 129.70): V

Ion 129.90 (129.60 to 130.60): V

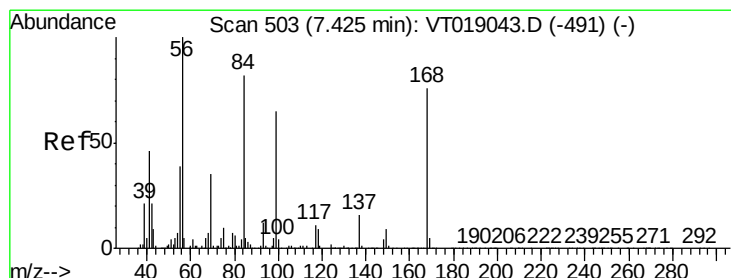
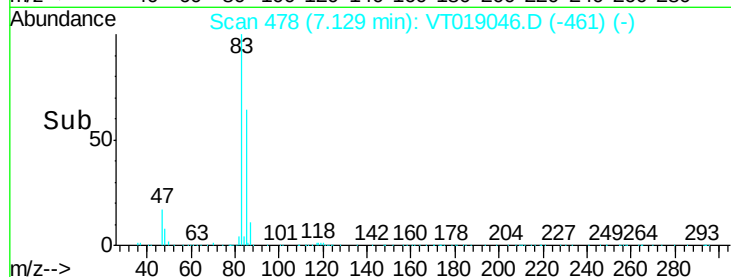
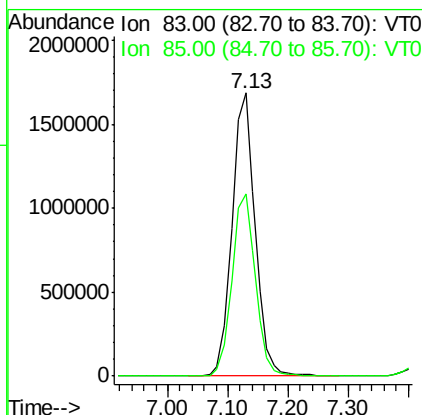
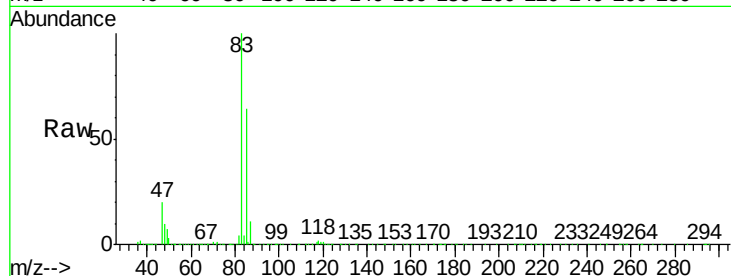




#29
Chloroform
Concen: 196.94 ug/l
RT: 7.13 min Scan# 478
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

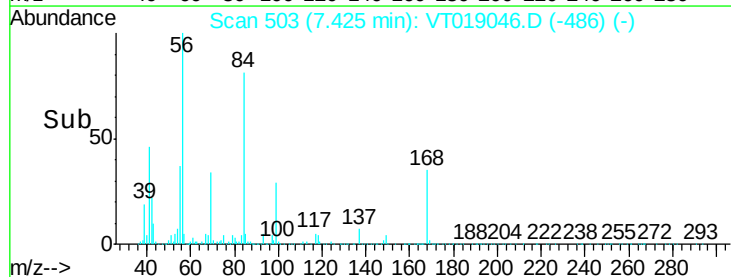
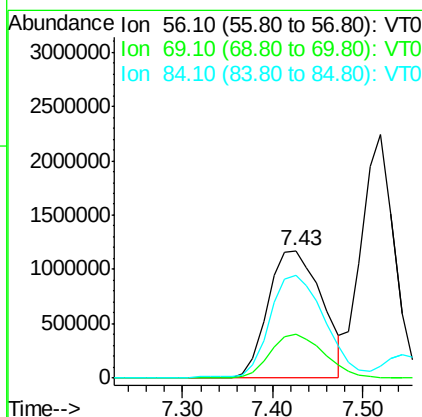
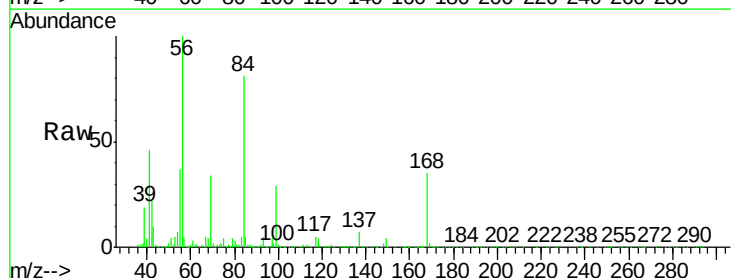
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

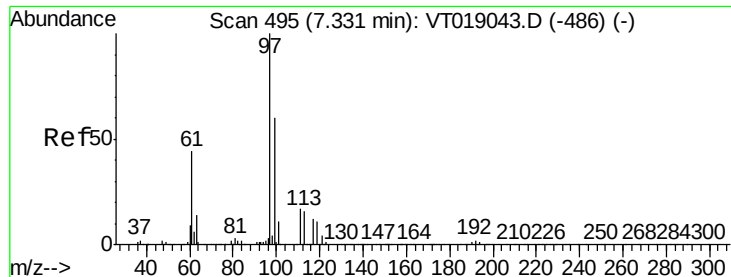
Tgt Ion: 83 Resp: 4532263
Ion Ratio Lower Upper
83 100
85 64.4 50.6 76.0



#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

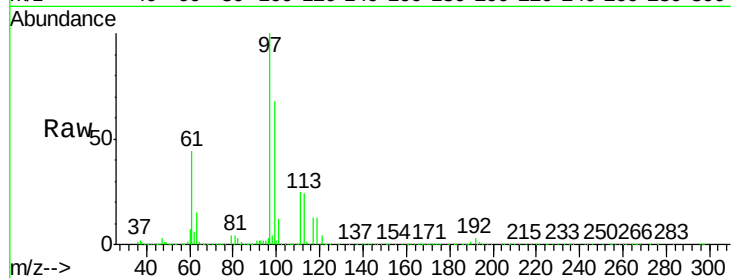
Tgt Ion: 97 Resp: 3633120

Ion Ratio Lower Upper

97 100

99 67.8 47.6 71.4

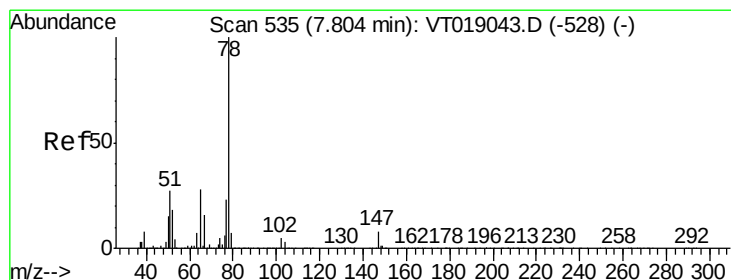
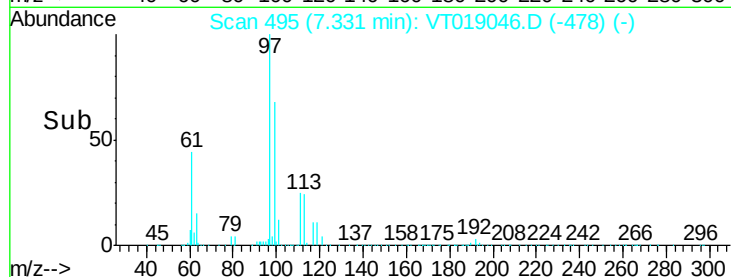
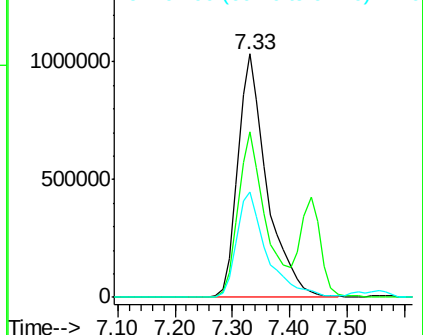
61 43.5 35.3 52.9



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

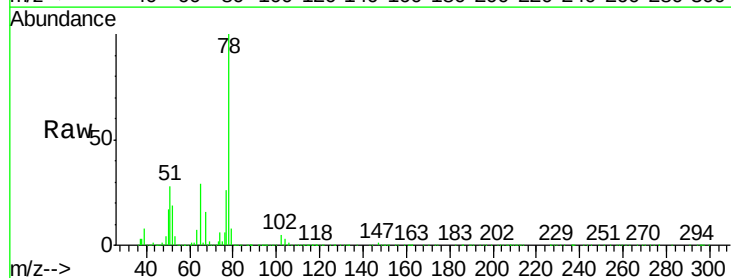
Acq: 8 May 2018 20:21

Tgt Ion: 65 Resp: 2006026

Ion Ratio Lower Upper

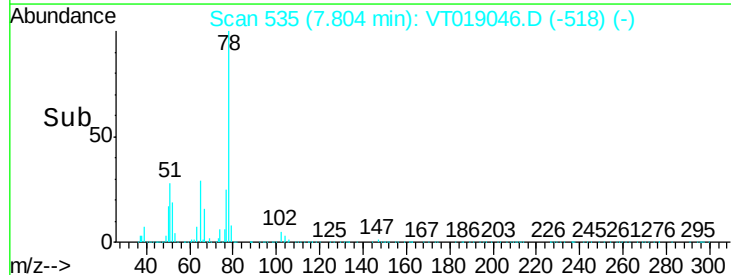
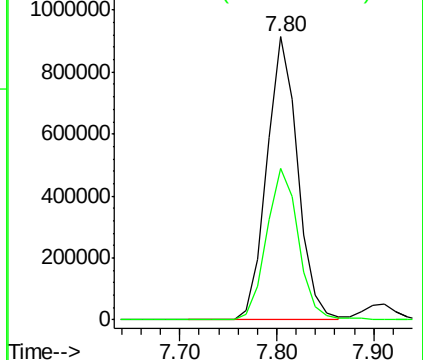
65 100

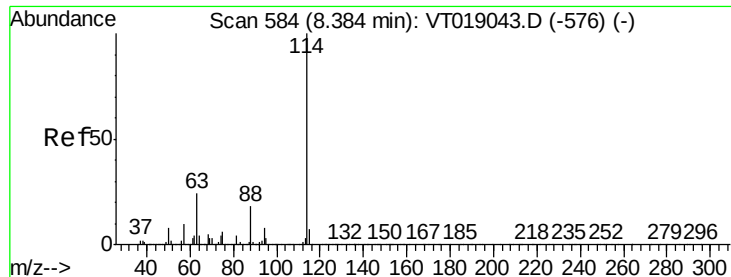
67 53.7 0.0 114.2



Abundance Ion 65.10 (64.80 to 65.80): VT0

Ion 67.10 (66.80 to 67.80): VT0

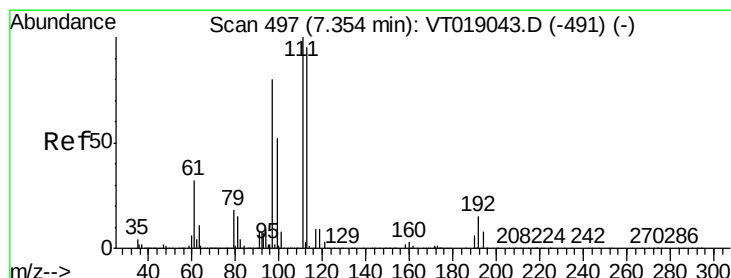
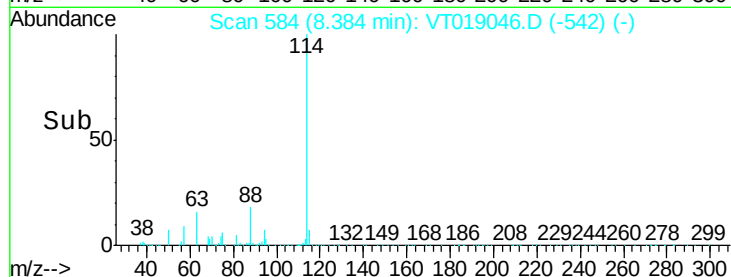
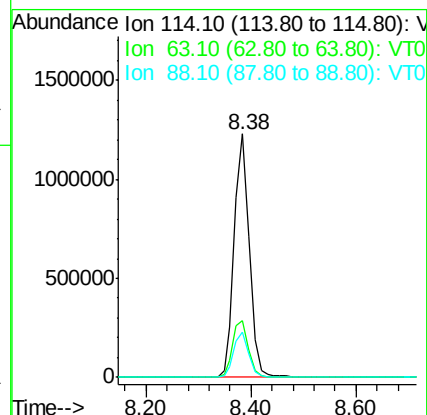
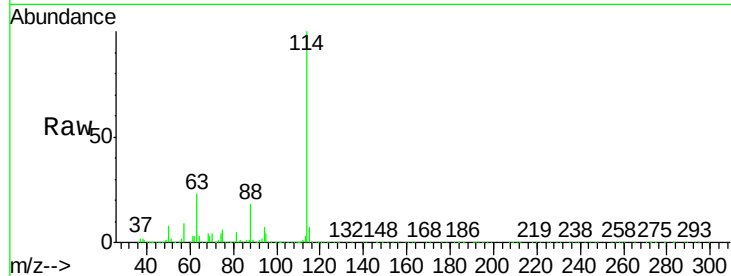




#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.38 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

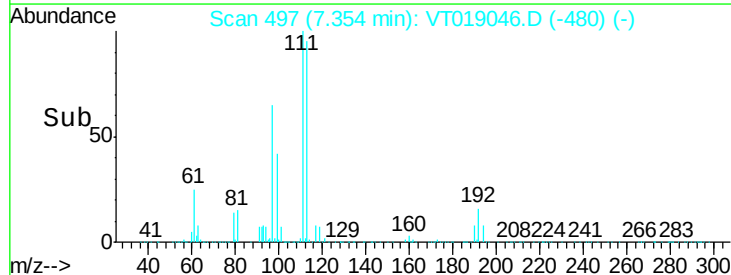
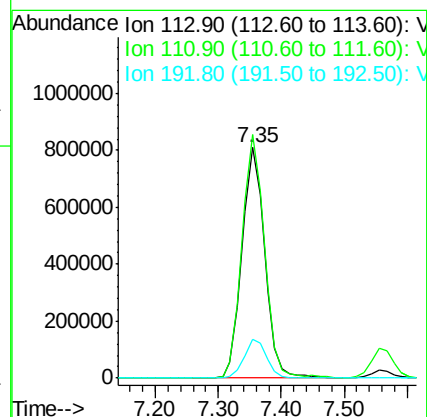
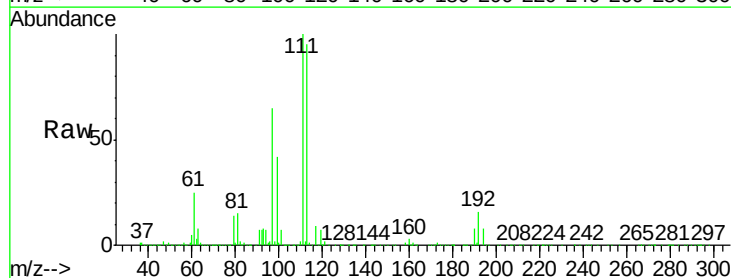
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC150

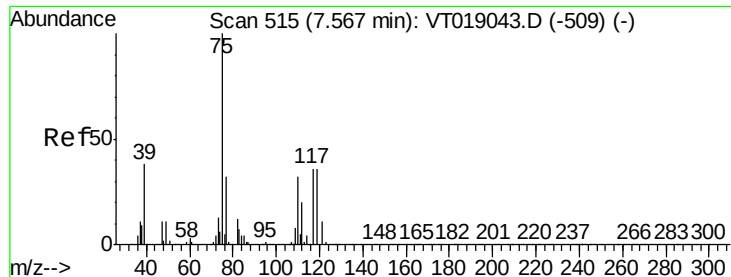
Tgt Ion:114 Resp: 2426515
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 48.8
 88 18.3 0.0 37.0



#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

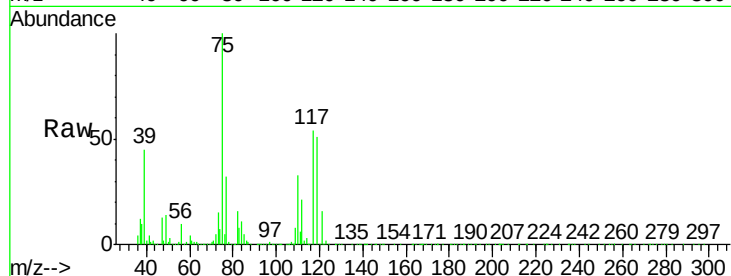
Tgt Ion: 75 Resp: 4143987

Ion Ratio Lower Upper

75 100

110 32.6 15.9 47.6

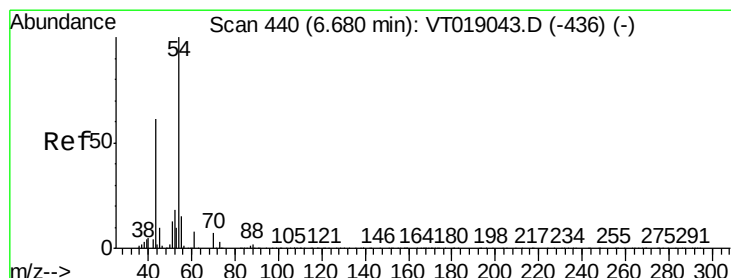
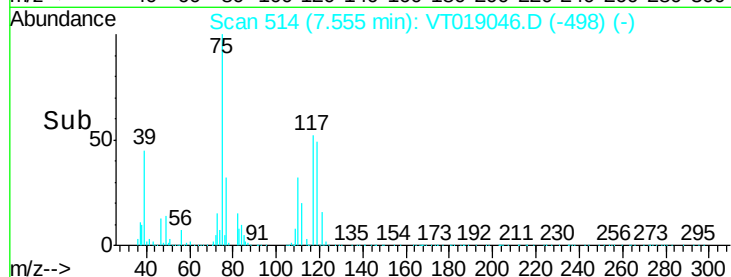
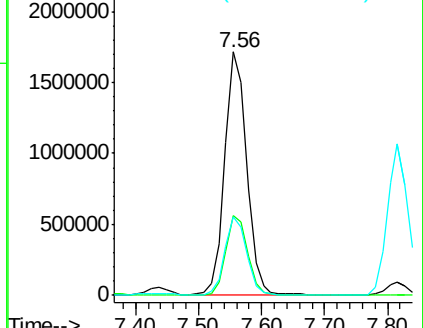
77 32.5 25.9 38.9



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 110.00 (109.70 to 110.70): VT0

Ion 77.00 (76.70 to 77.70): VT0



#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

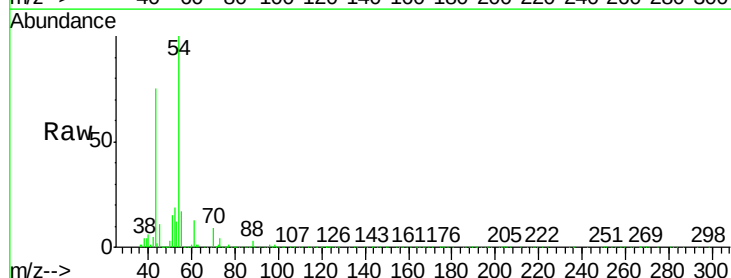
Tgt Ion: 43 Resp: 1112426

Ion Ratio Lower Upper

43 100

61 17.6 14.2 21.2

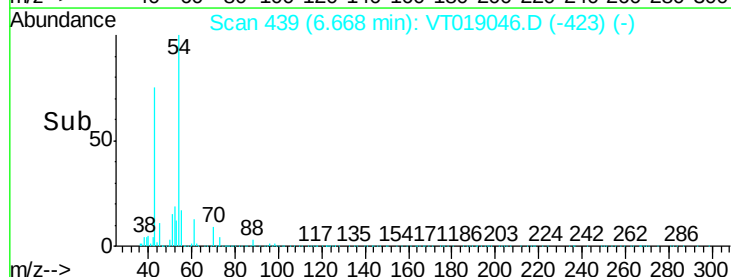
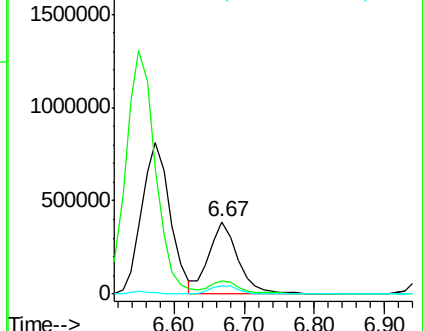
70 11.8 8.4 12.6

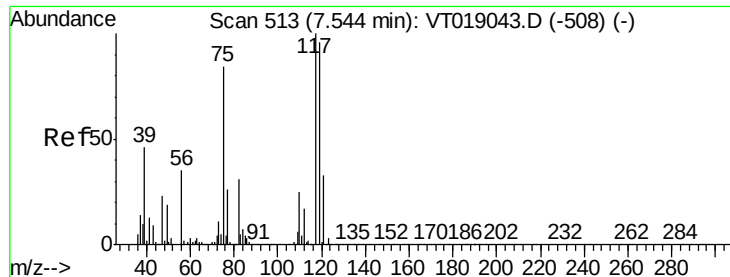


Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 61.10 (60.80 to 61.80): VT0

Ion 70.10 (69.80 to 70.80): VT0





#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

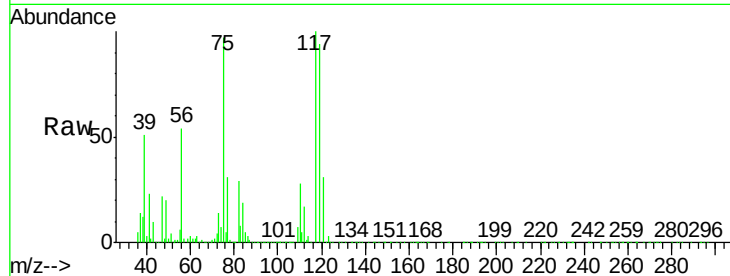
Tgt Ion:117 Resp: 3568463

Ion Ratio Lower Upper

117 100

119 93.8 76.5 114.7

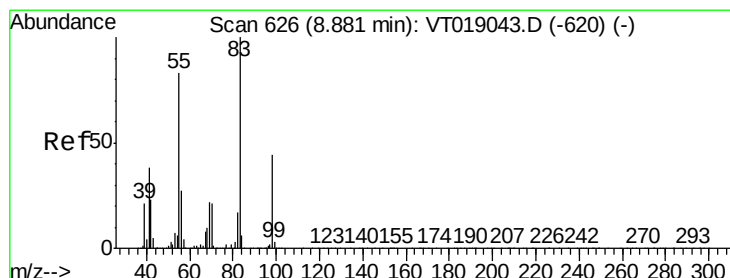
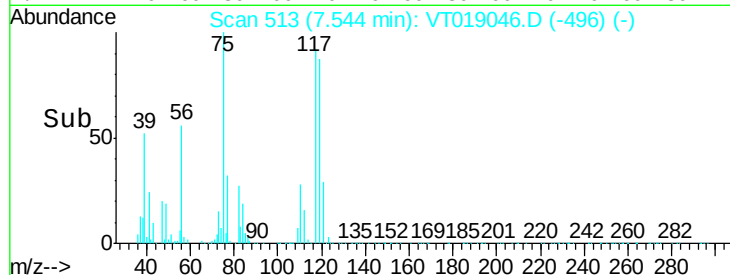
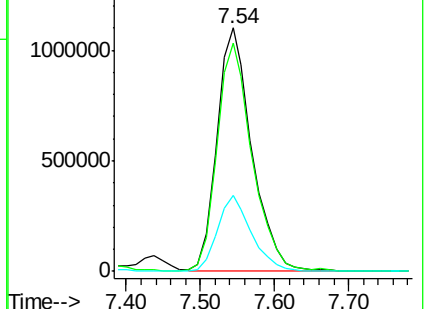
121 31.4 26.0 39.0



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

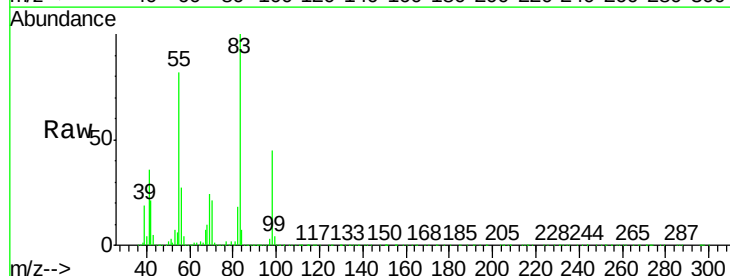
Tgt Ion: 83 Resp: 5076381

Ion Ratio Lower Upper

83 100

55 82.2 66.7 100.1

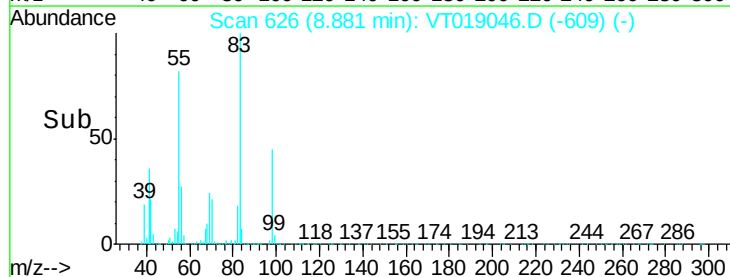
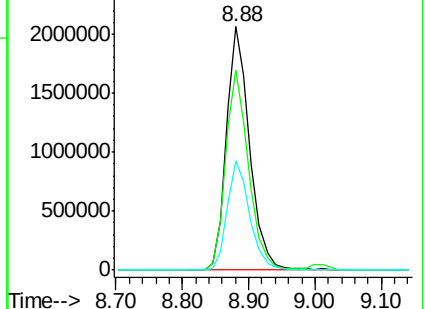
98 44.8 35.5 53.3

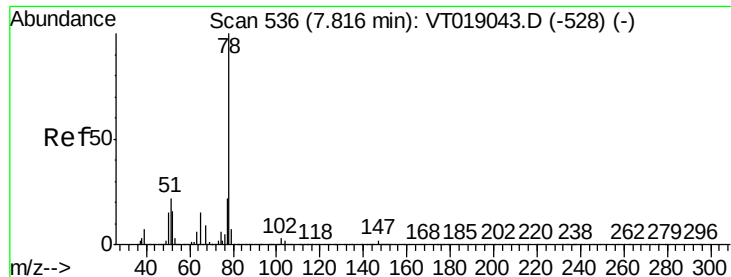


Abundance Ion 83.10 (82.80 to 83.80): VT0

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 :

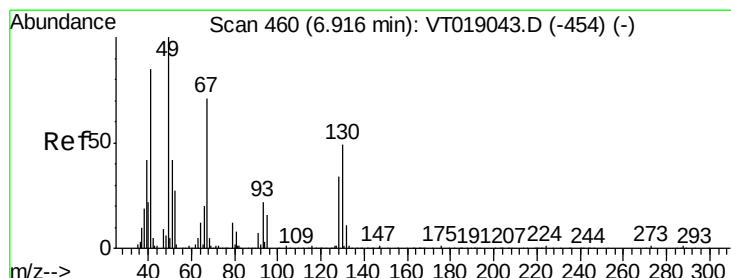
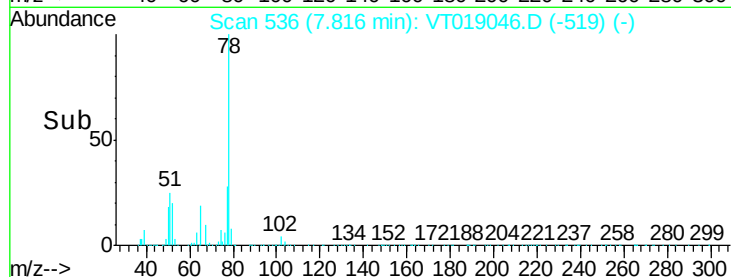
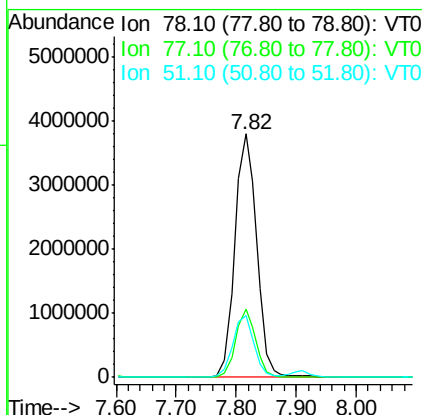
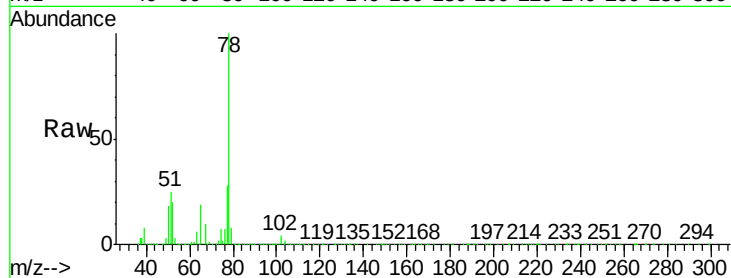
MSVOA_T

ClientSampleId :

VSTDIC150

Tgt 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

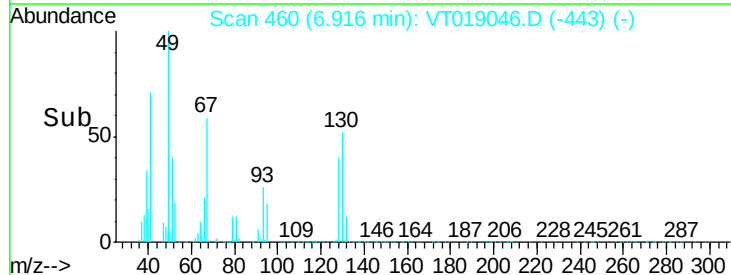
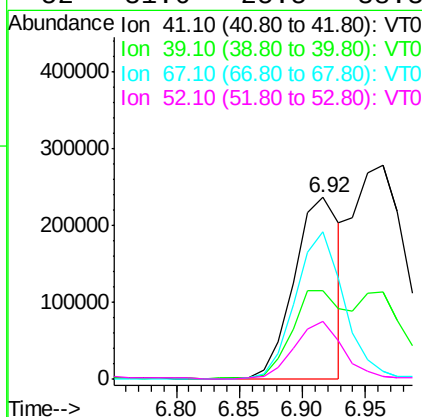
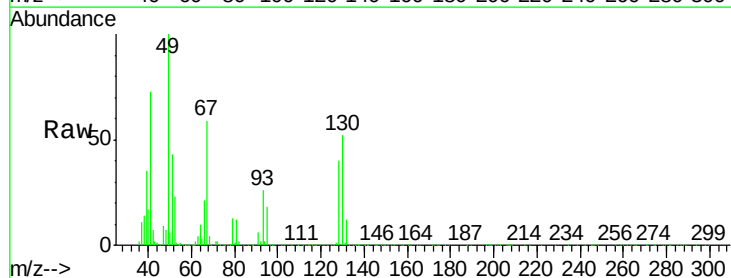
Delta R.T. -0.00 min

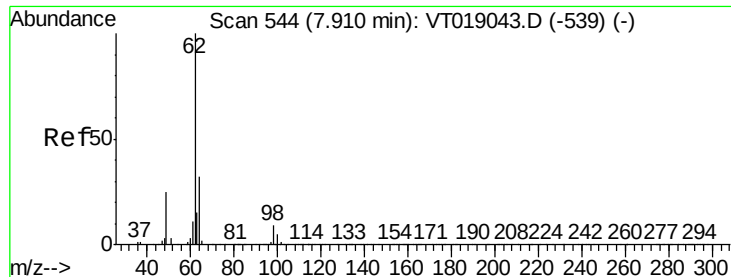
Lab File: VT019046.D

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 :

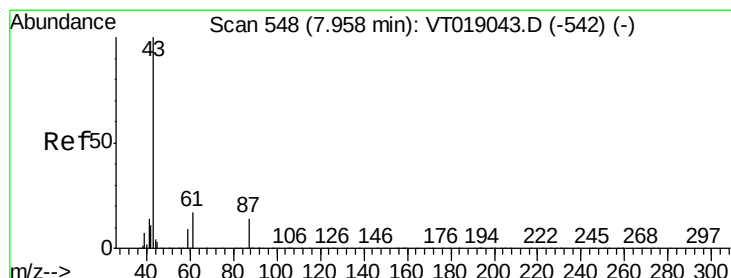
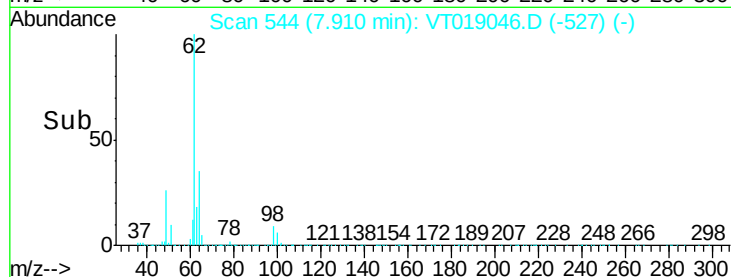
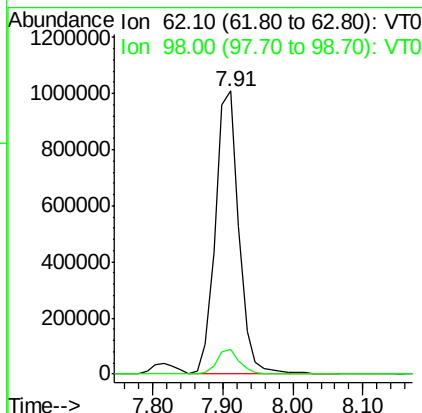
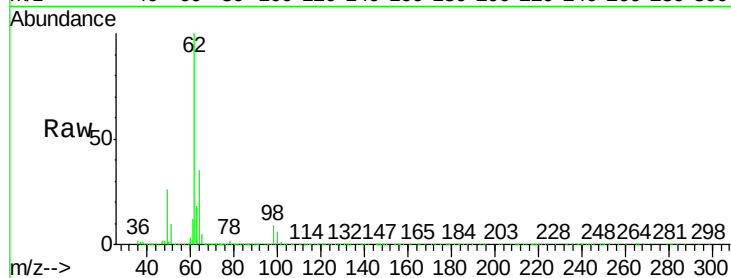
VSTDIC150

Tgt 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

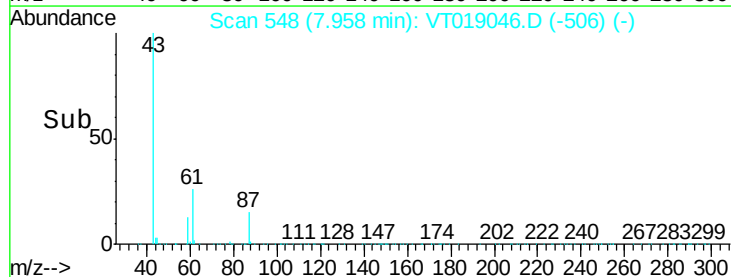
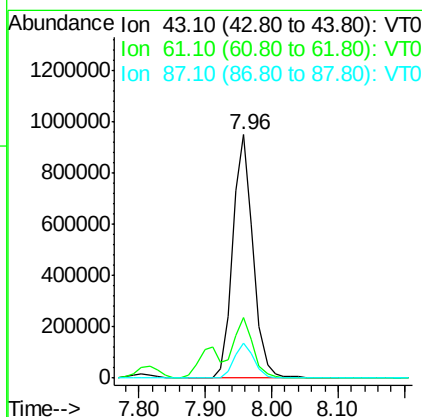
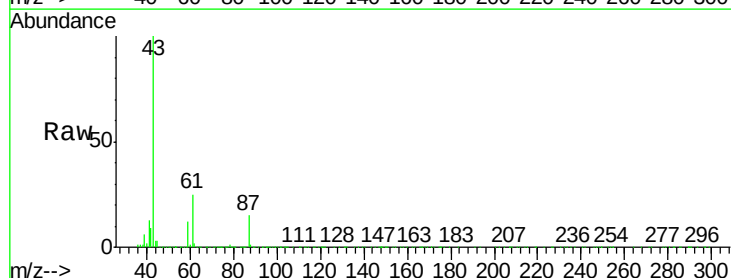
Tgt Ion: 43 Resp: 2022081

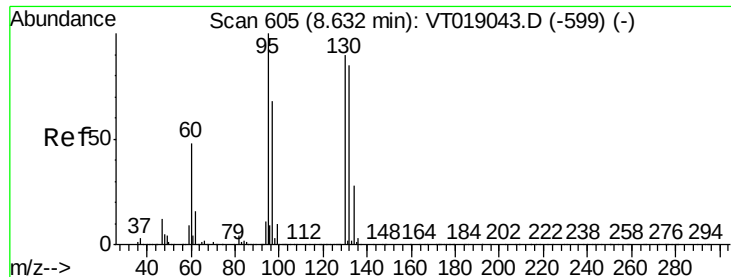
Ion Ratio Lower Upper

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 :

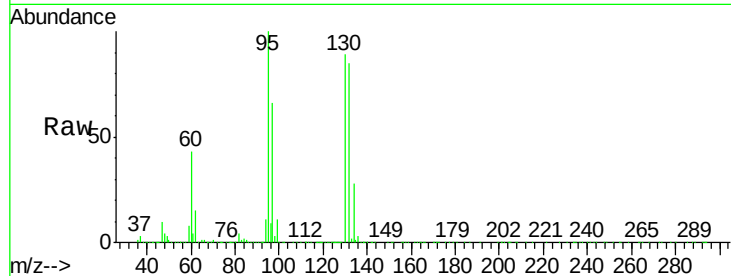
VSTDIC150

Tgt 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): VT019046.D (-588) (-)

Ion 95.00 (94.70 to 95.70): VT019046.D (-588) (-)

8.63

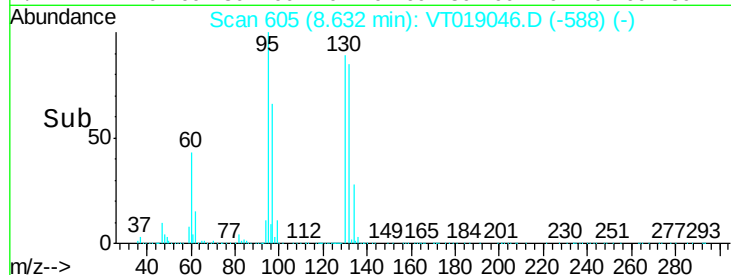
1500000

1000000

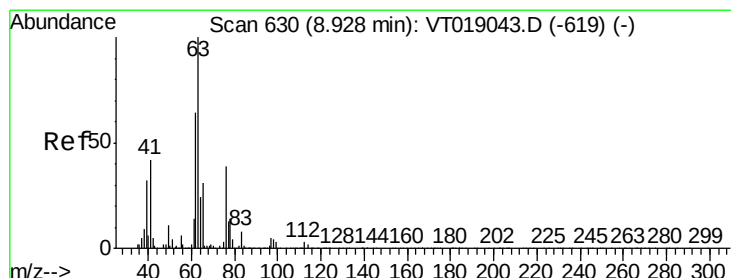
500000

0

8.50 8.60 8.70 8.80



Time-->



#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

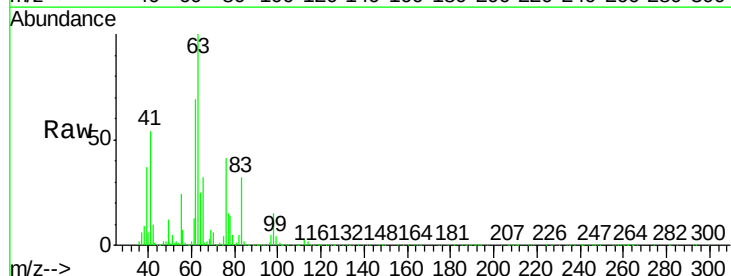
Acq: 8 May 2018 20:21

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): VT019046.D (-613) (-)

Ion 65.10 (64.80 to 65.80): VT019046.D (-613) (-)

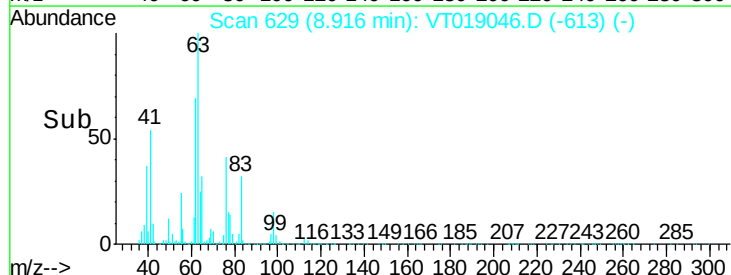
8.92

1000000

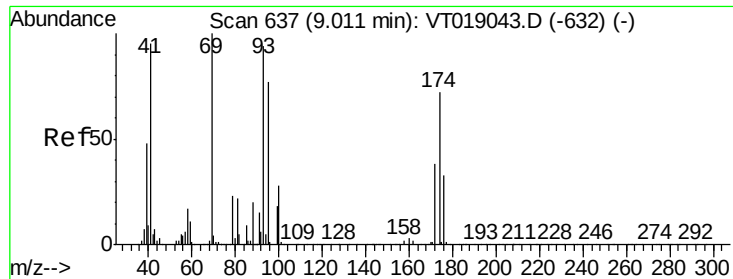
500000

0

8.70 8.80 8.90 9.00 9.10



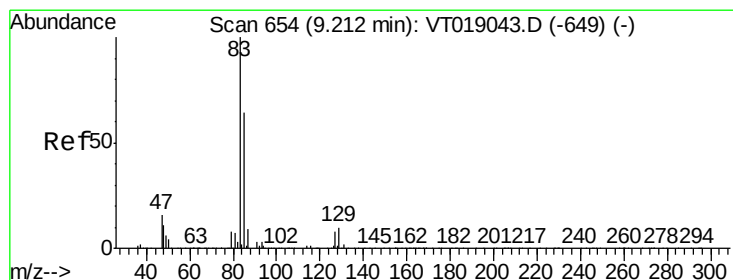
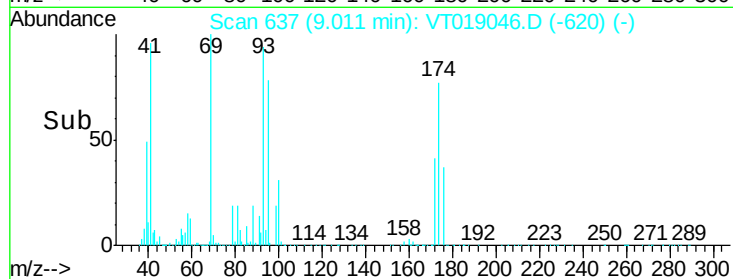
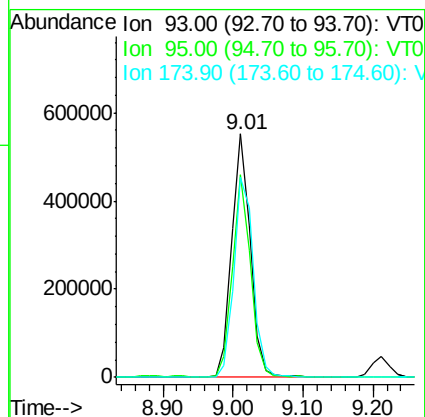
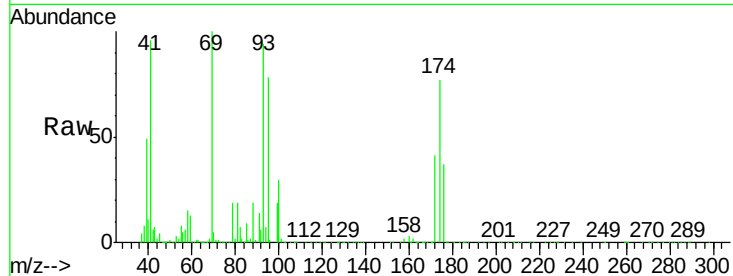
Time-->



#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

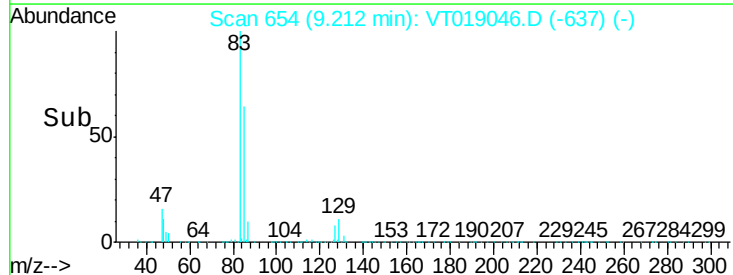
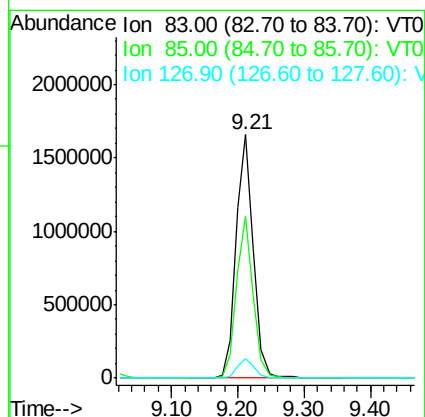
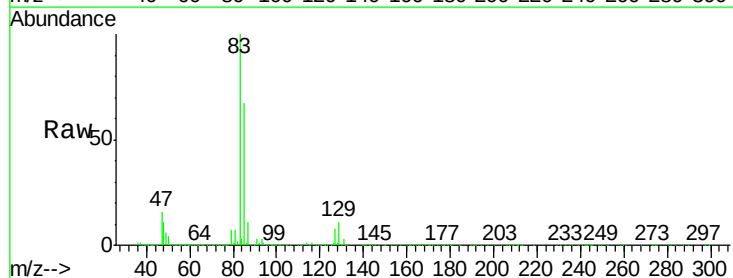
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

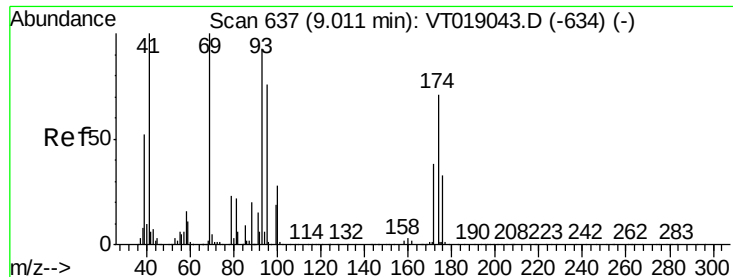
Tgt Ion: 93 Resp: 1022785
Ion Ratio Lower Upper
93 100
95 83.5 65.5 98.3
174 82.4 60.9 91.3



#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

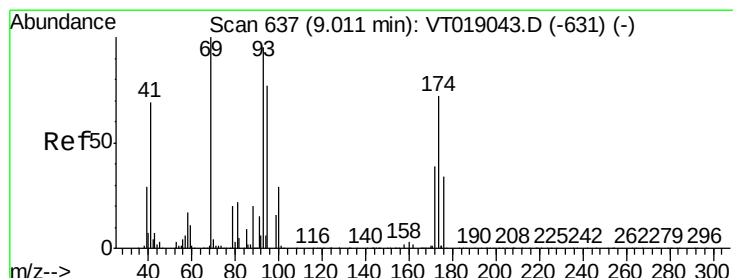
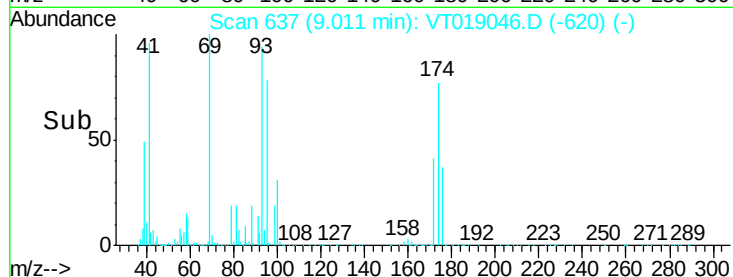
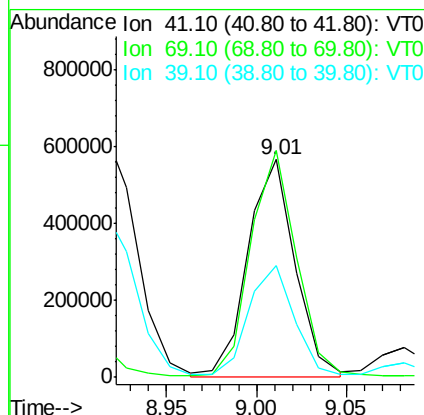
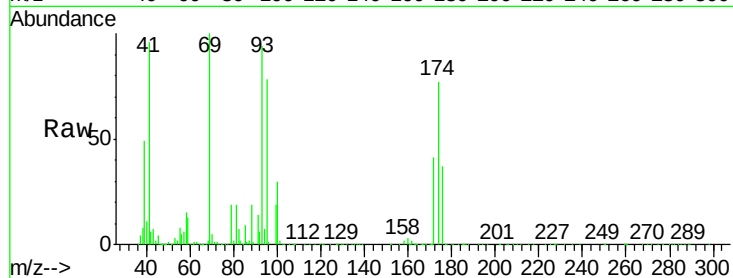




#47
Methyl methacrylate
Concen: 124.76 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

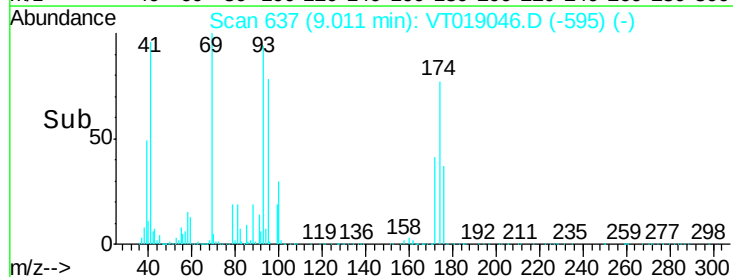
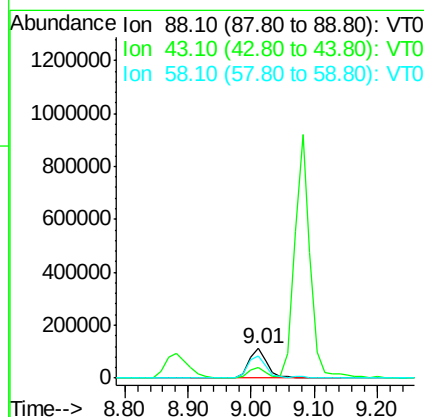
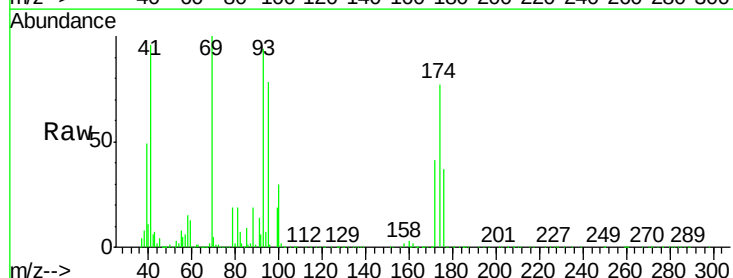
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

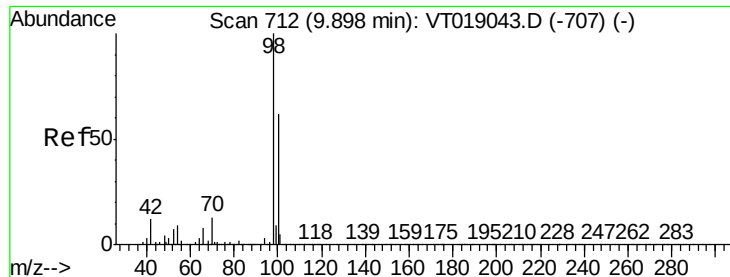
Tgt Ion: 41 Resp: 1028010
Ion Ratio Lower Upper
41 100
69 104.2 78.4 117.6
39 51.2 41.4 62.2



#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 :

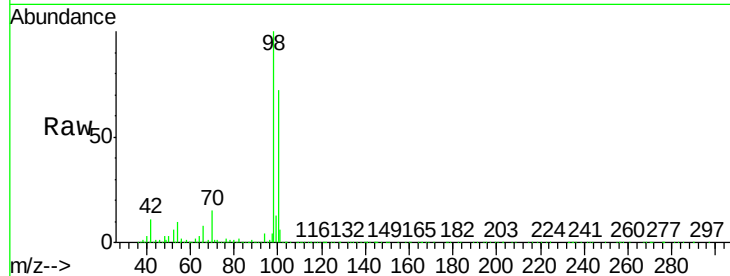
VSTDIC150

Tgt Ion: 98 Resp: 7590702

Ion Ratio Lower Upper

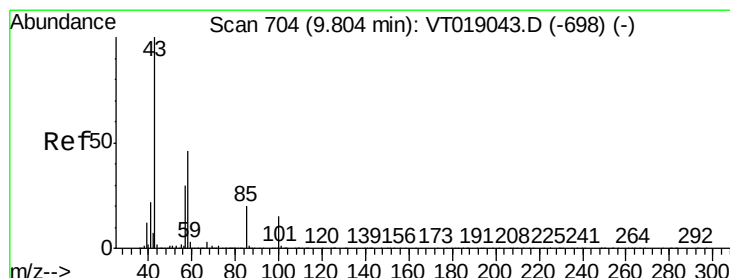
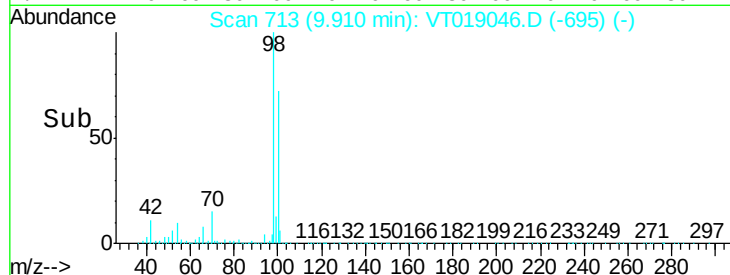
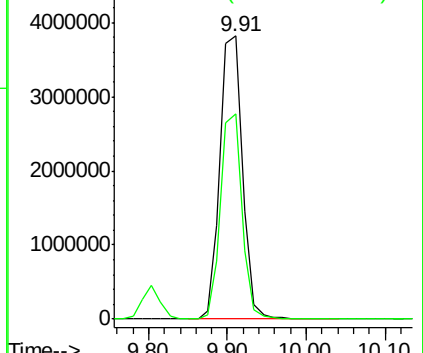
98 100

100 72.5 50.0 75.0



Abundance Ion 98.10 (97.80 to 98.80): VT0

Ion 100.10 (99.80 to 100.80): VT0



#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

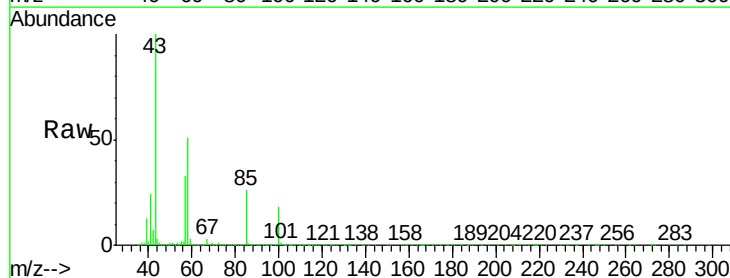
Acq: 8 May 2018 20:21

Tgt Ion: 43 Resp: 4703725

Ion Ratio Lower Upper

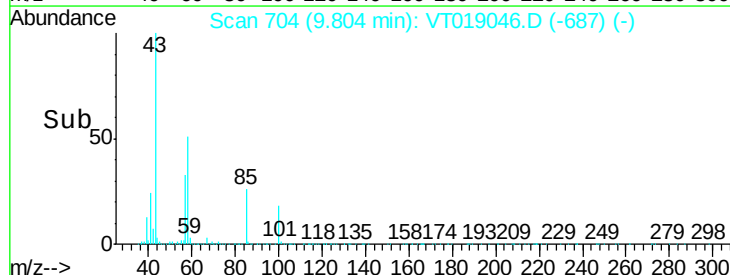
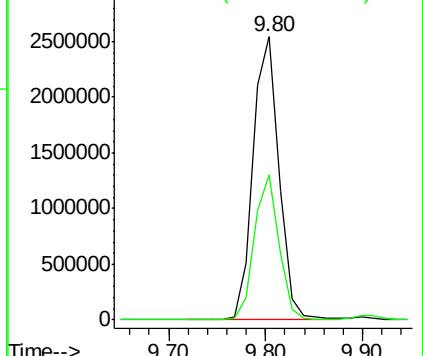
43 100

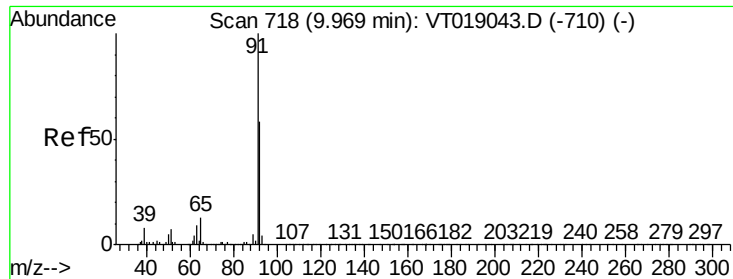
58 51.1 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 58.10 (57.80 to 58.80): VT0





#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 :

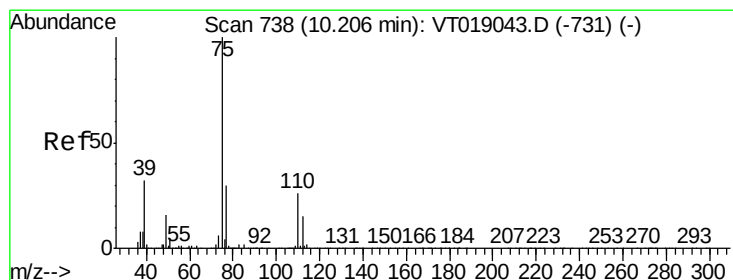
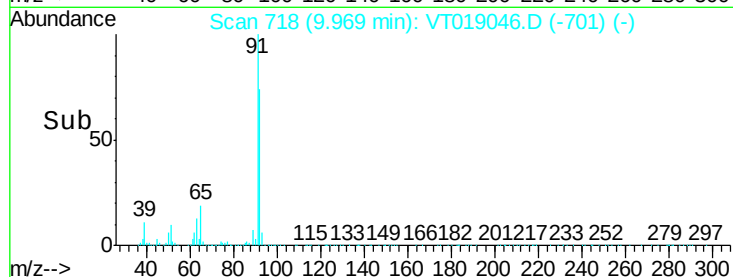
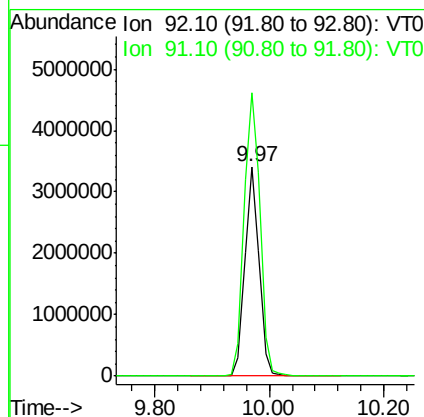
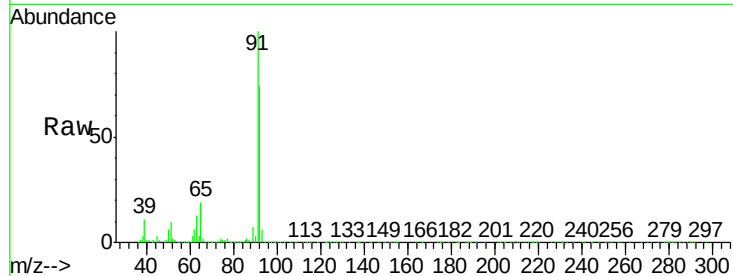
VSTDIC150

Tgt 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

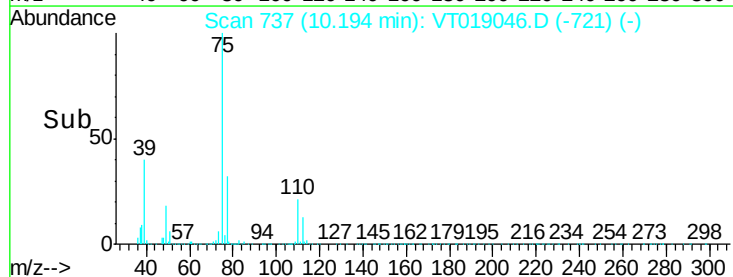
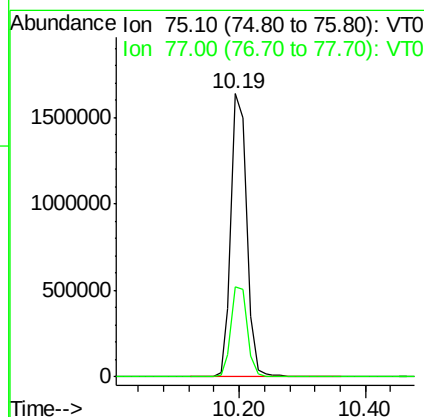
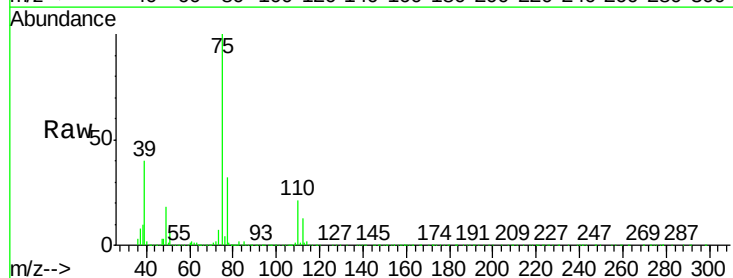
Acq: 8 May 2018 20:21

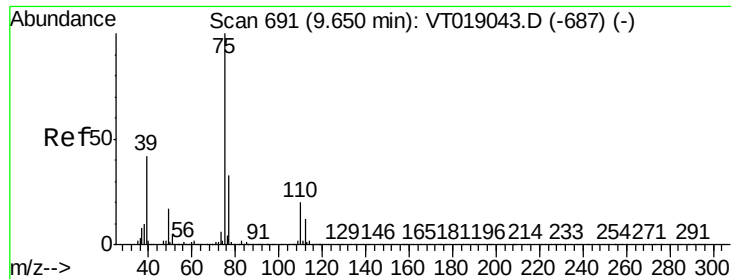
Tgt Ion: 75 Resp: 2843703

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

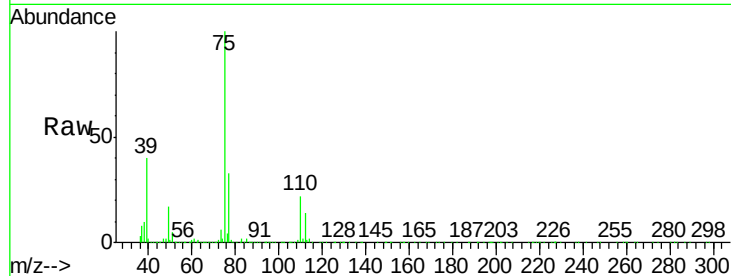
Tgt Ion: 75 Resp: 3539963

Ion Ratio Lower Upper

75 100

77 32.7 26.6 39.8

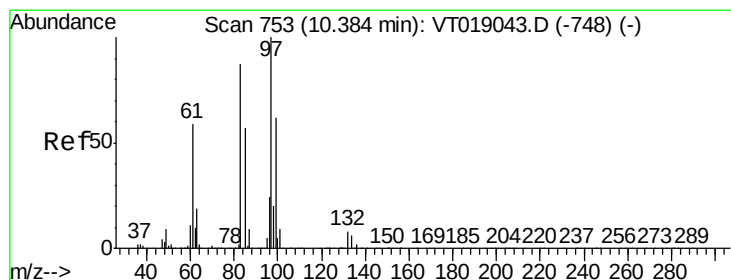
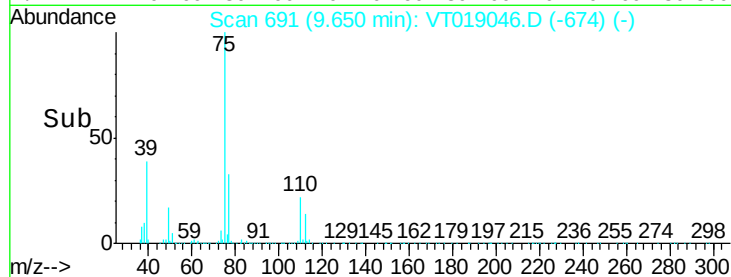
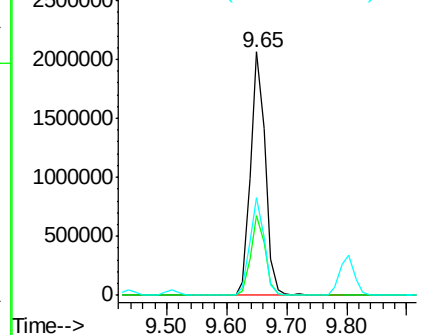
39 40.4 34.1 51.1



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

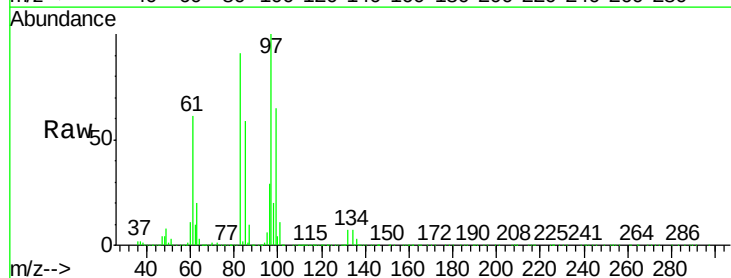
Ion Ratio Lower Upper

97 100

83 90.8 69.7 104.5

85 58.9 46.1 69.1

99 64.9 49.6 74.4

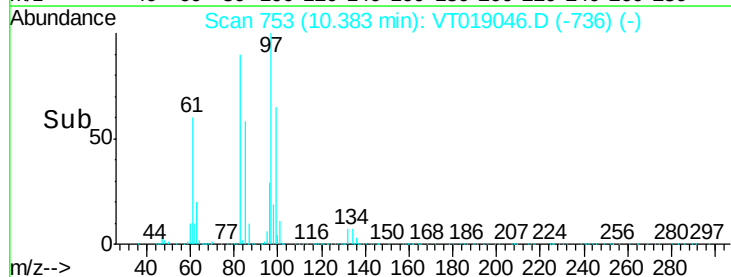
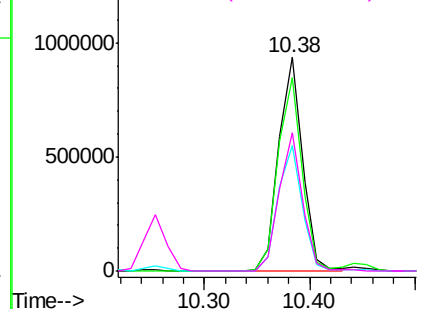


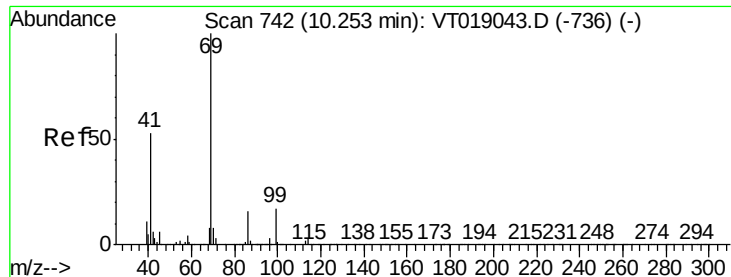
Abundance Ion 97.00 (96.70 to 97.70): VT0

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

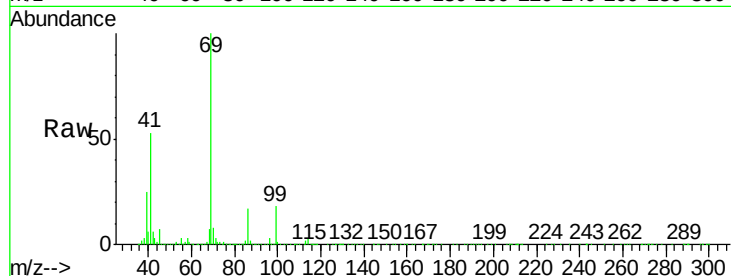
Tgt Ion: 69 Resp: 2031878

Ion Ratio Lower Upper

69 100

41 52.8 42.9 64.3

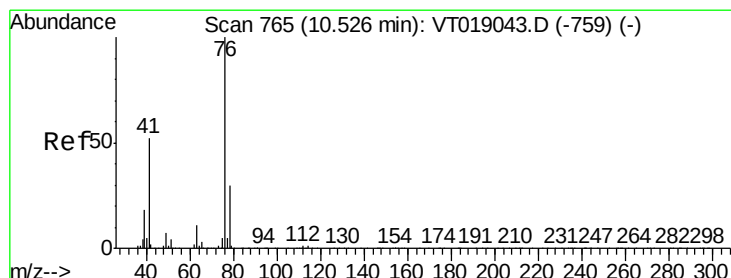
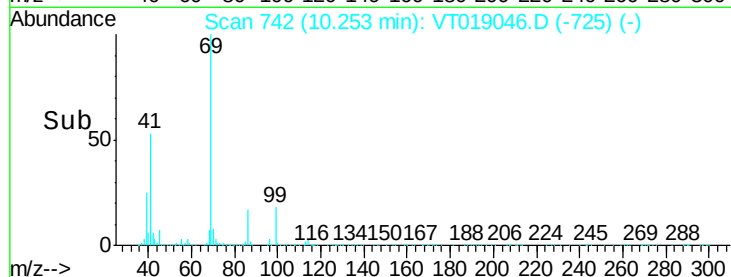
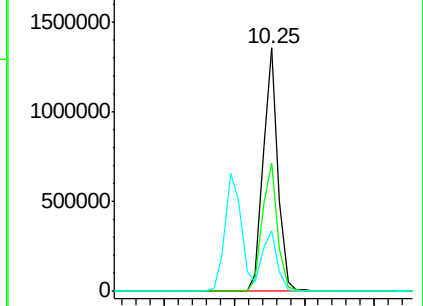
39 25.0 21.2 31.8



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

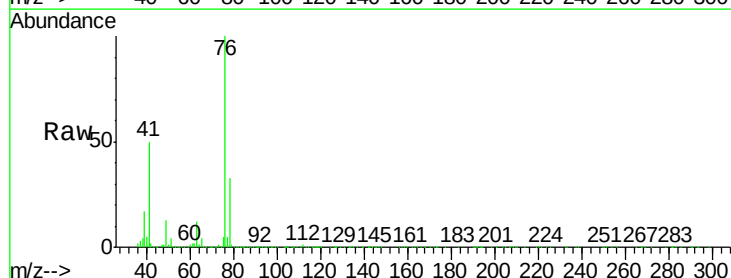
Acq: 8 May 2018 20:21

Tgt Ion: 76 Resp: 2762939

Ion Ratio Lower Upper

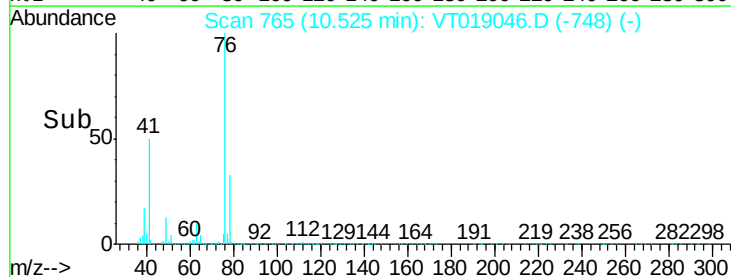
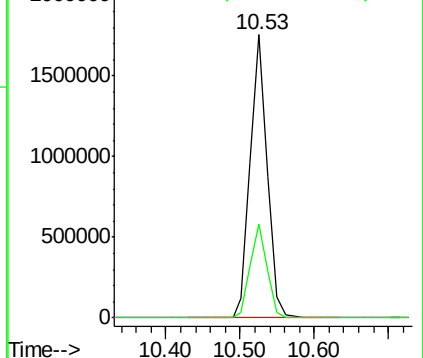
76 100

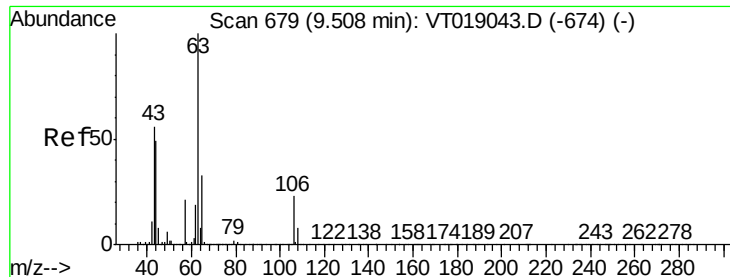
78 33.4 24.1 36.1



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 :

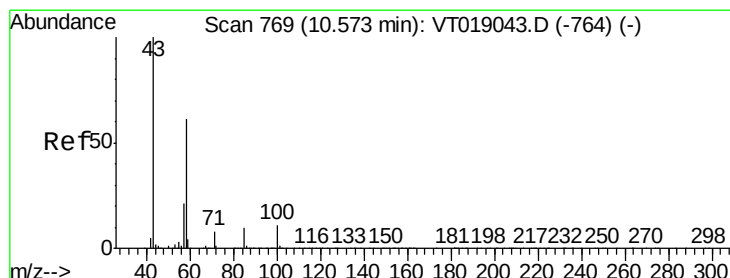
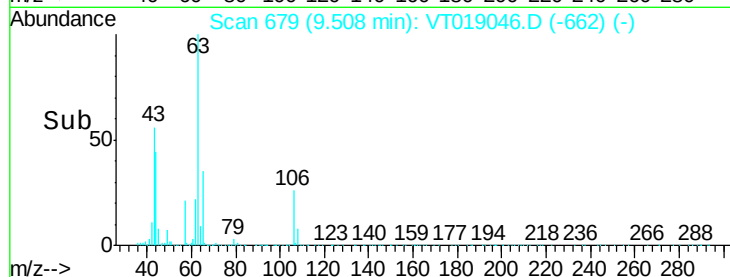
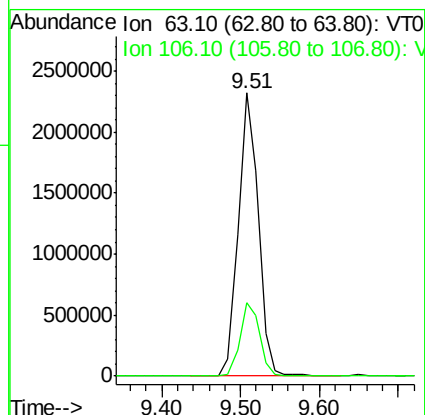
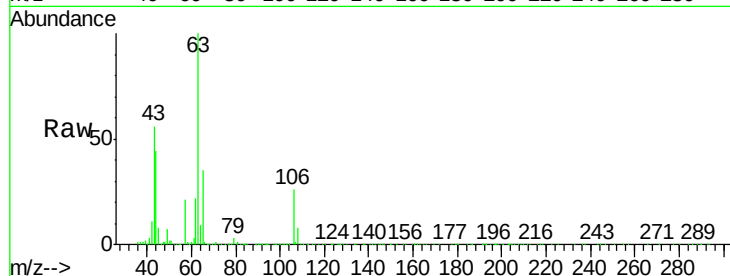
VSTDIC150

Tgt 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

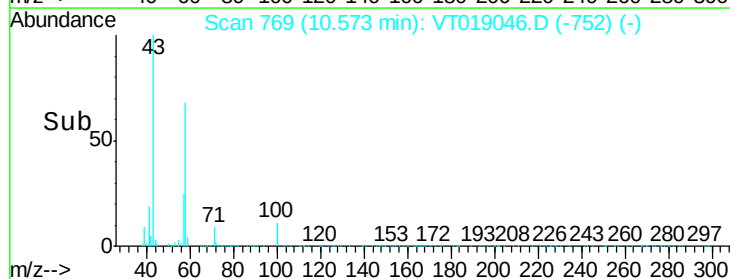
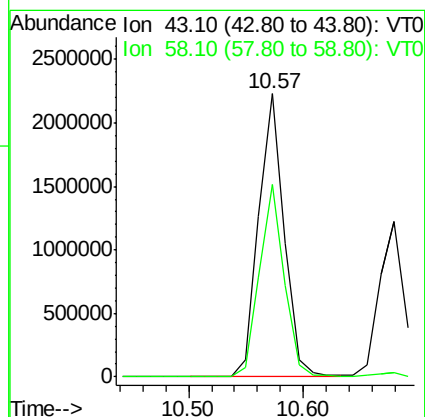
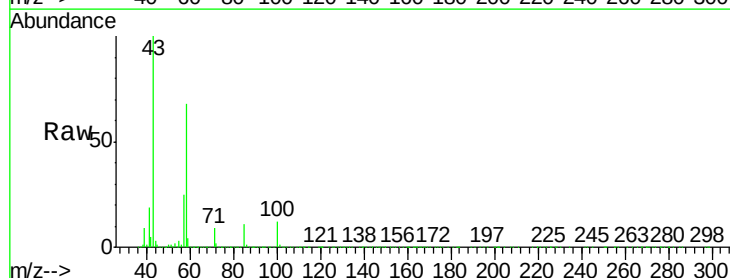
Acq: 8 May 2018 20:21

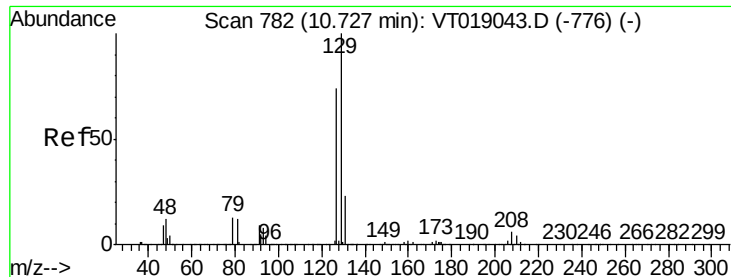
Tgt Ion: 43 Resp: 3465164

Ion Ratio Lower Upper

43 100

58 67.8 30.6 92.0

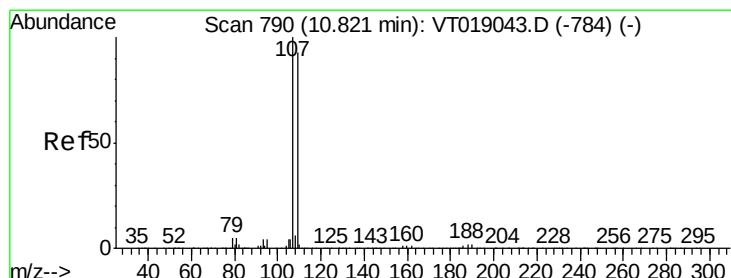
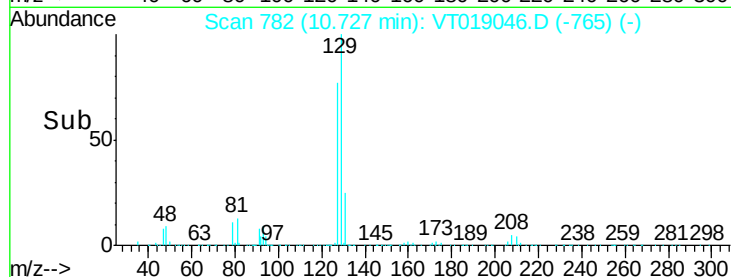
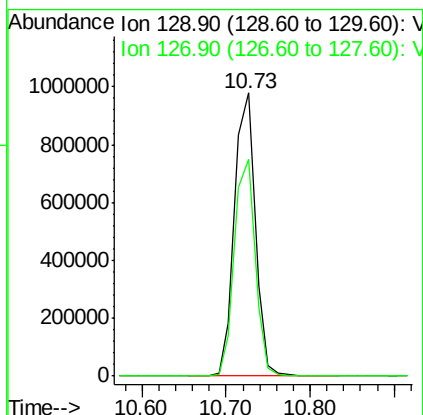
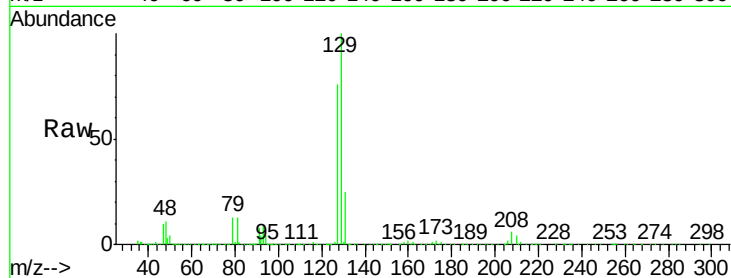




#59
 Dibromochloromethane
 Concen: 145.07 ug/l
 RT: 10.73 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

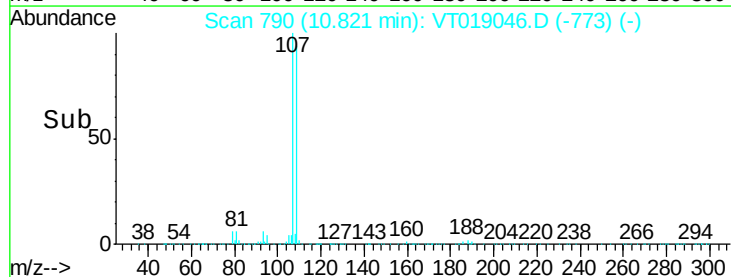
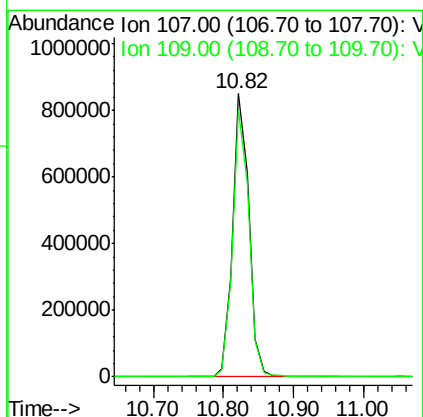
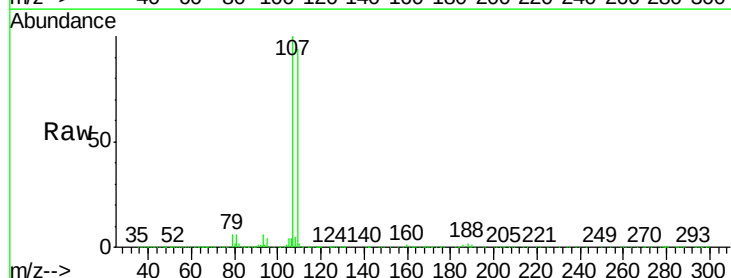
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC150

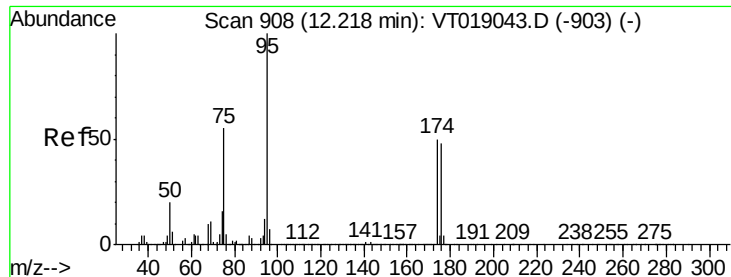
Tgt Ion:129 Resp: 1684359
 Ion Ratio Lower Upper
 129 100
 127 76.5 37.3 111.8



#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





#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 :

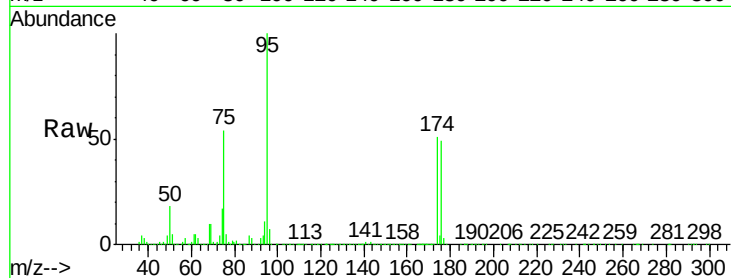
MSVOA_T

ClientSampleId :

VSTDIC150

Tgt Ion: 95 Resp: 3202507

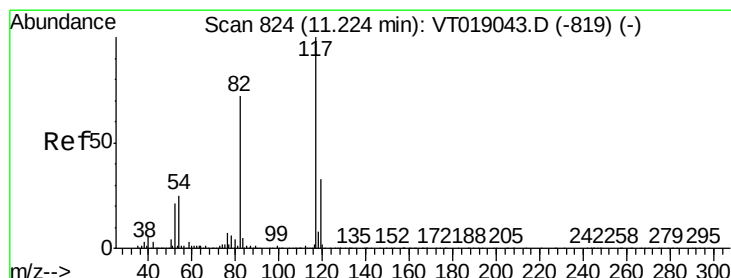
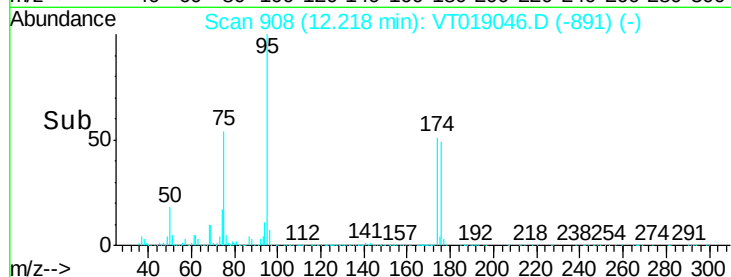
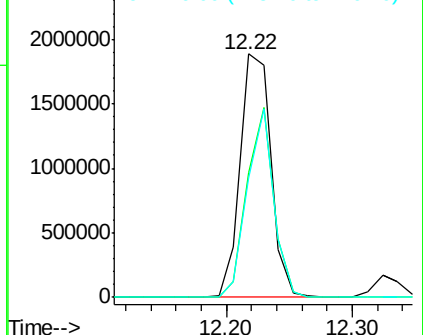
Ion	Ratio	Lower	Upper
95	100		
174	51.3	0.0	100.0
176	49.0	0.0	96.6



Abundance Ion 95.10 (94.80 to 95.80): VT0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.22 min Scan# 824

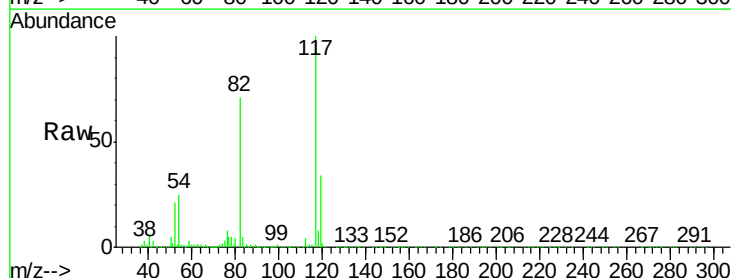
Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

Tgt Ion: 117 Resp: 2064896

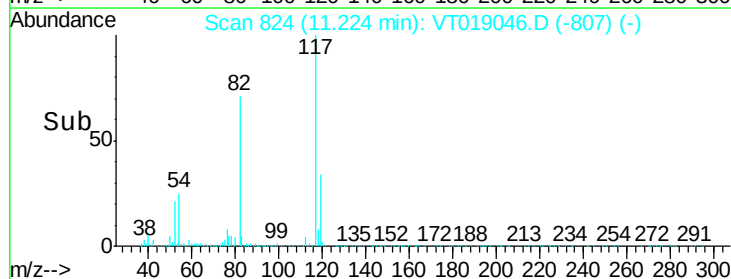
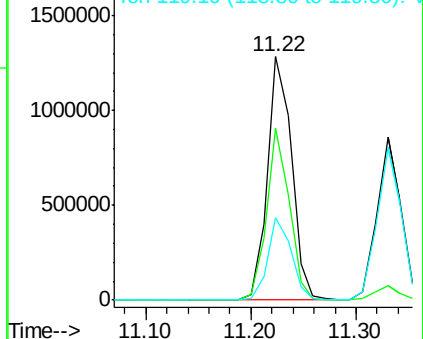
Ion	Ratio	Lower	Upper
117	100		
82	70.5	57.6	86.4
119	33.7	26.6	40.0

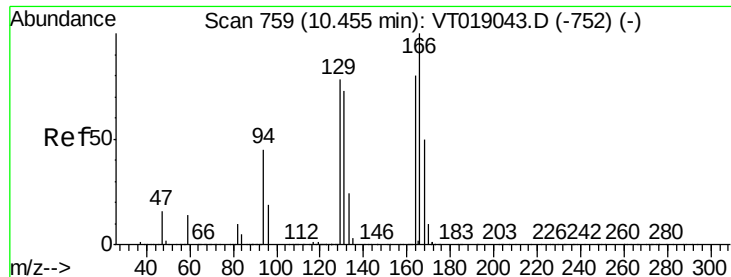


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VT0

Ion 119.10 (118.80 to 119.80): V

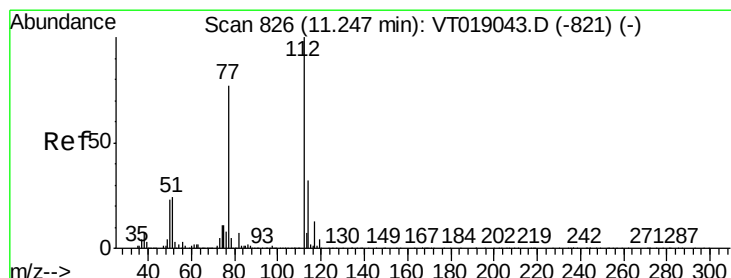
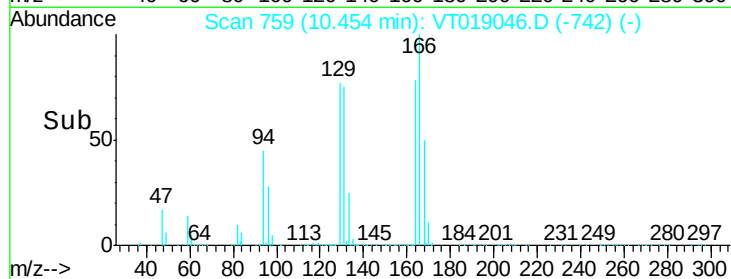
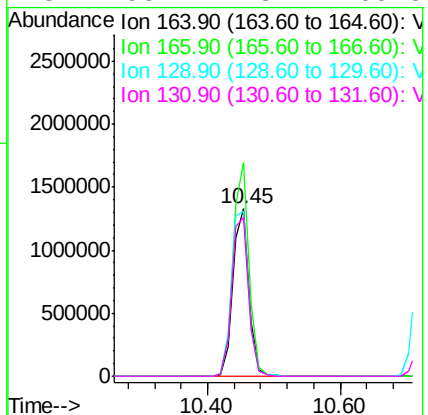
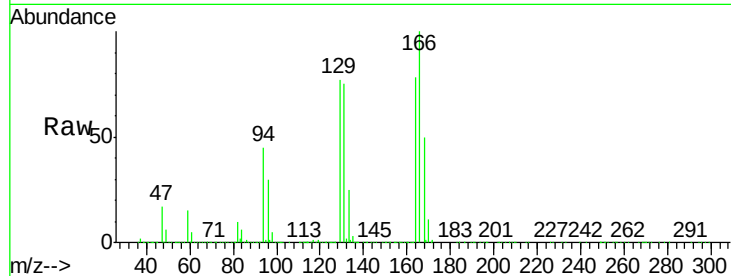




#63
Tetrachloroethene
Concen: 150.30 ug/l
RT: 10.45 min Scan# 759
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

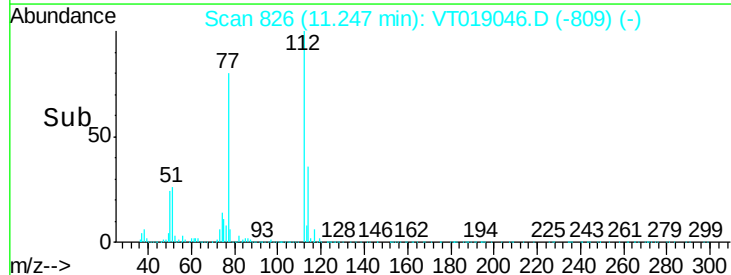
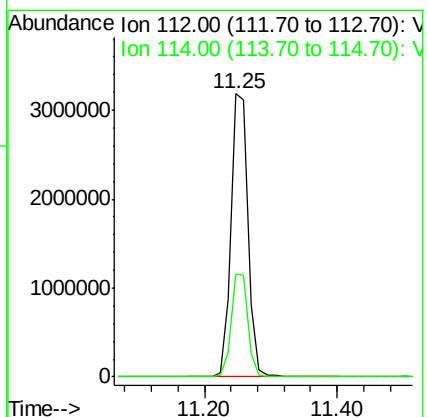
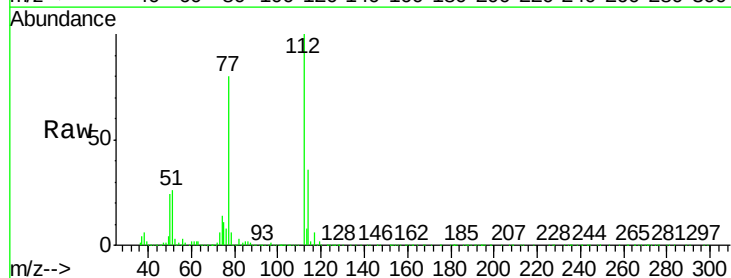
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

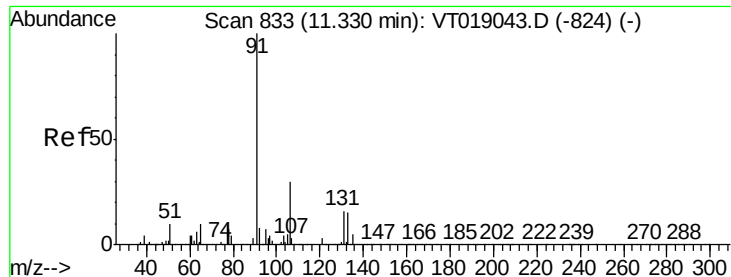
Tgt Ion:164 Resp: 2263435
Ion Ratio Lower Upper
164 100
166 127.7 100.6 151.0
129 98.8 78.1 117.1
131 95.1 73.2 109.8



#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

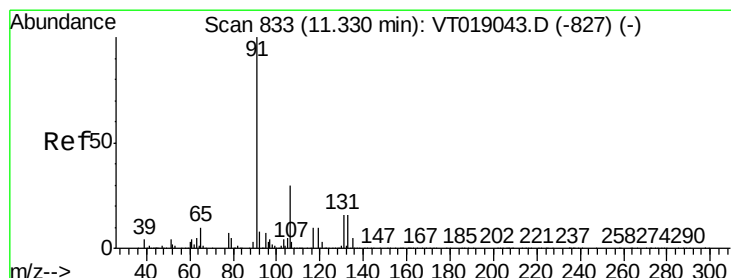
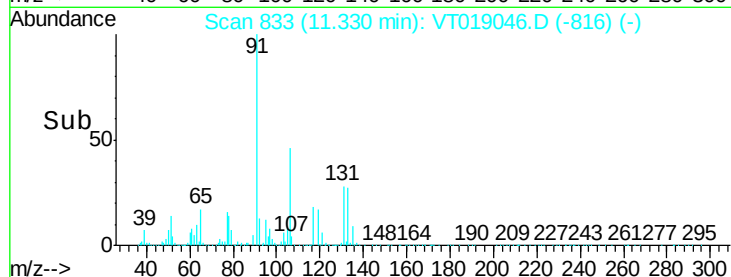
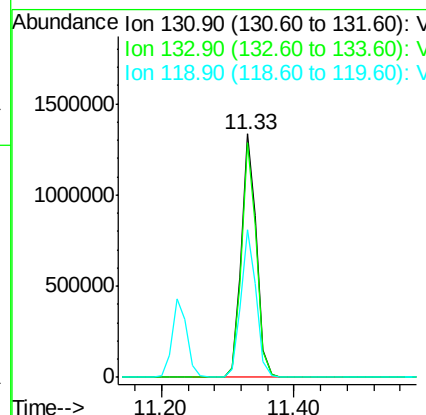
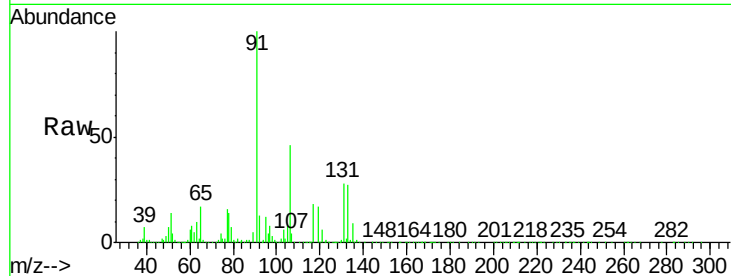




#65
 1,1,1,2-Tetrachloroethane
 Concen: 152.66 ug/l
 RT: 11.33 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

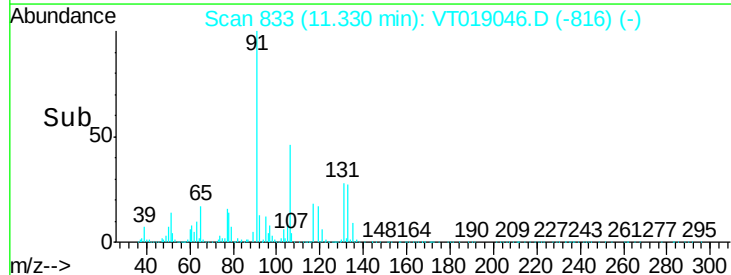
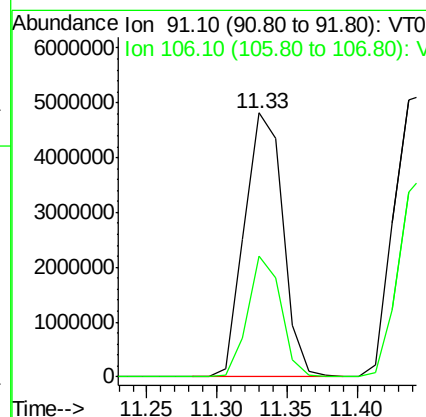
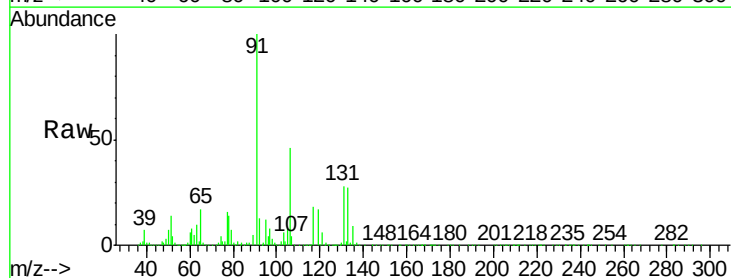
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC150

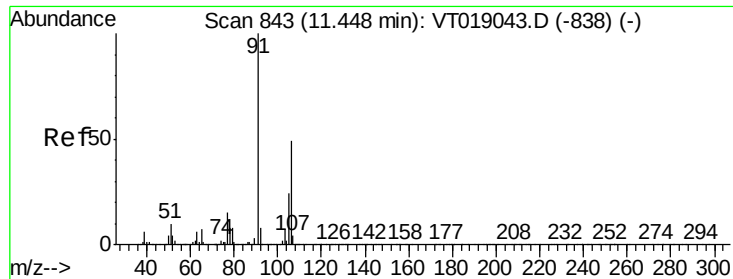
Tgt Ion:131 Resp: 2134755
 Ion Ratio Lower Upper
 131 100
 133 96.2 47.8 143.3
 119 60.5 31.8 95.4



#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#

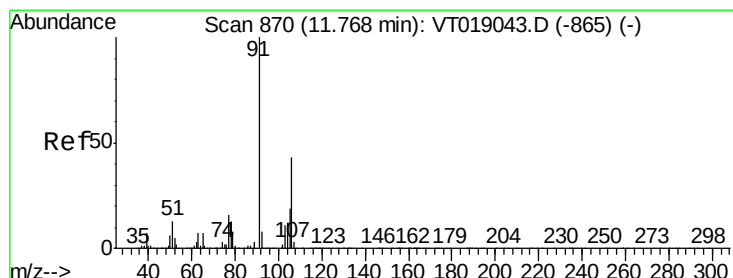
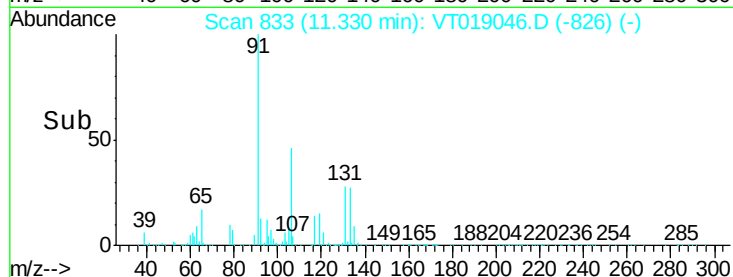
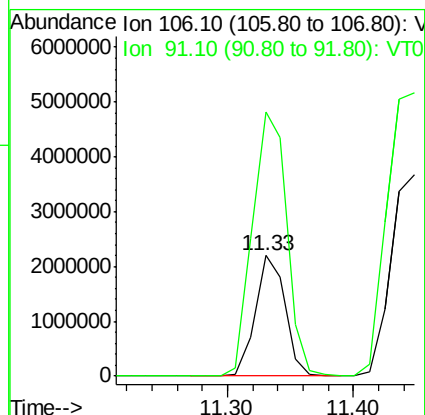
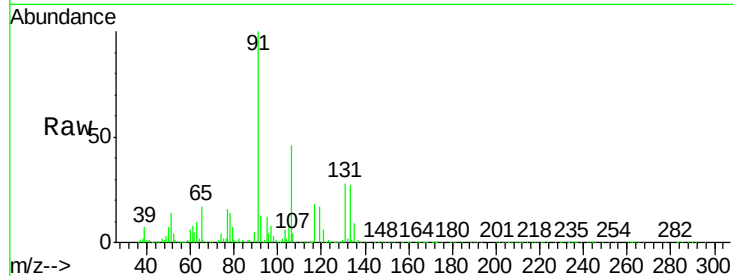




#67
m/p-Xylenes
Concen: 116.63 ug/l
RT: 11.33 min Scan# 833
Delta R.T. -0.12 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

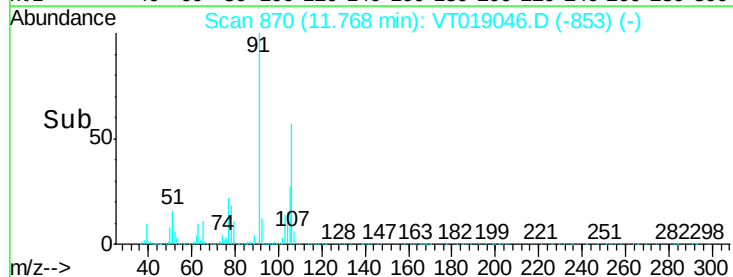
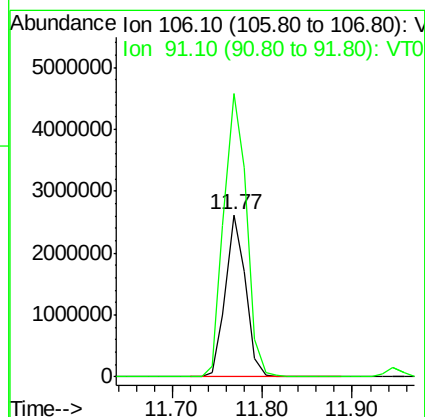
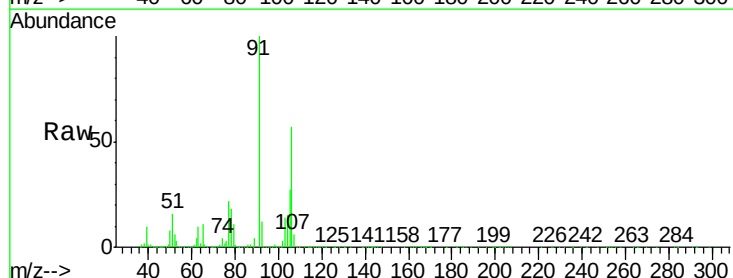
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

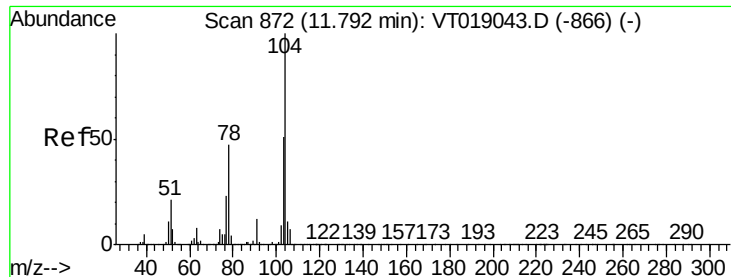
Tgt Ion:106 Resp: 3615123
Ion Ratio Lower Upper
106 100
91 219.3 162.2 243.4



#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

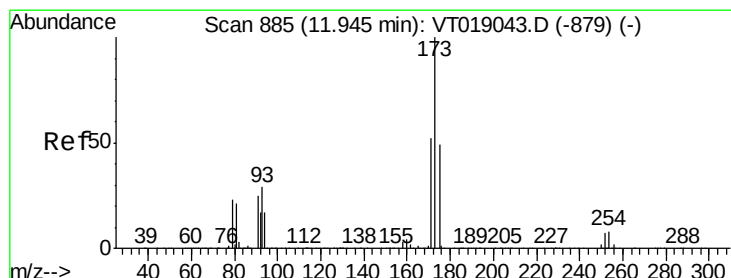
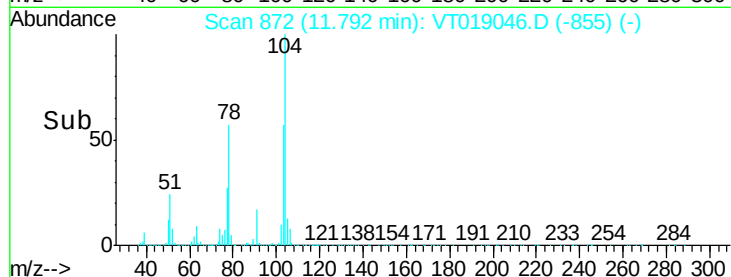
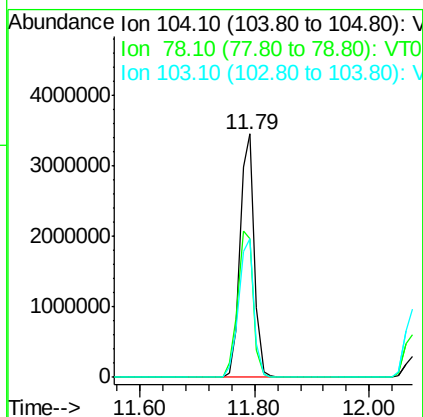
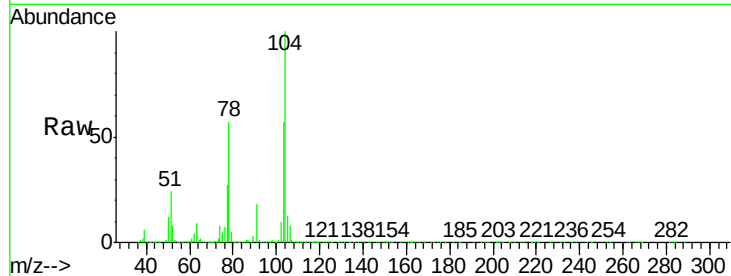




#69
Styrene
Concen: 125.39 ug/l
RT: 11.79 min Scan# 872
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

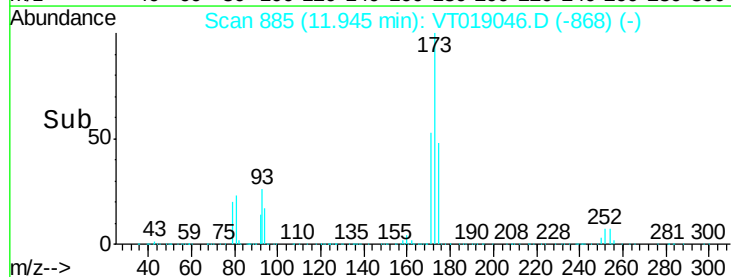
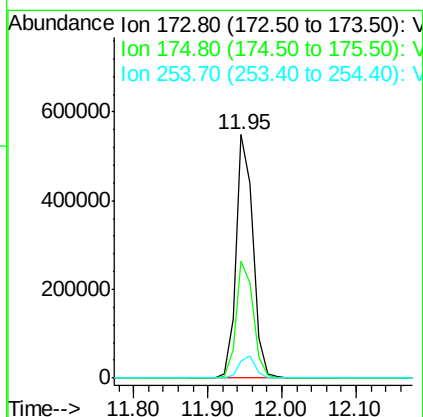
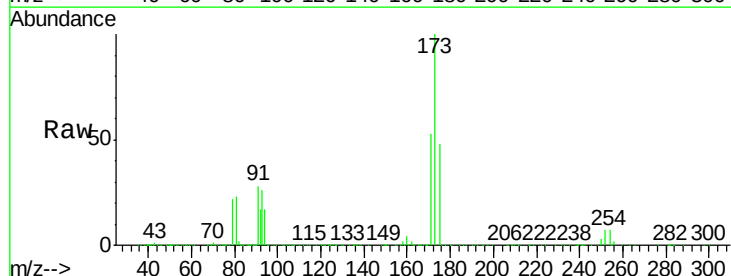
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

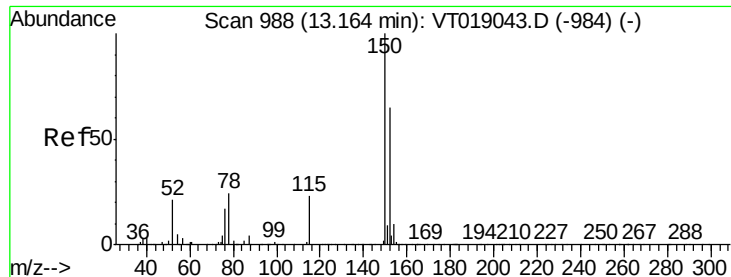
Tgt Ion:104 Resp: 5896253
Ion Ratio Lower Upper
104 100
78 56.7 38.0 57.0
103 56.9 40.6 61.0



#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

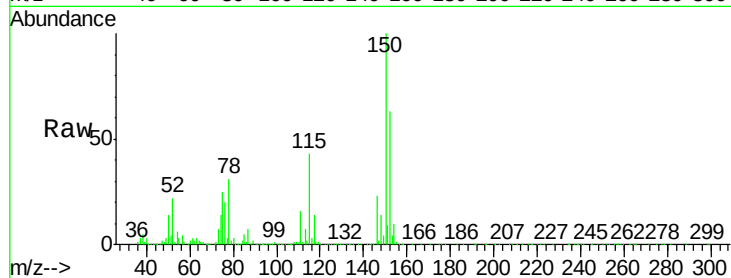
Tgt Ion:152 Resp: 972850

Ion Ratio Lower Upper

152 100

115 68.8 34.2 102.6

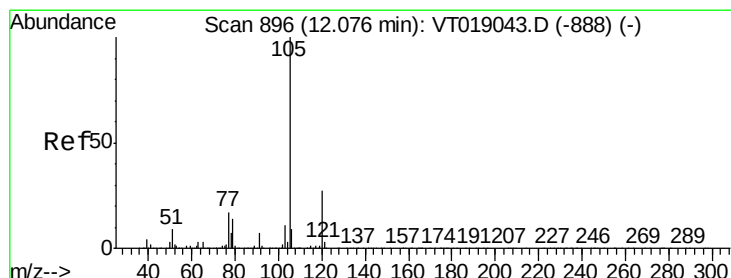
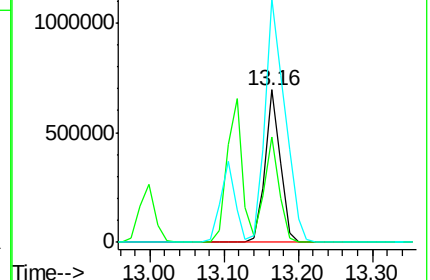
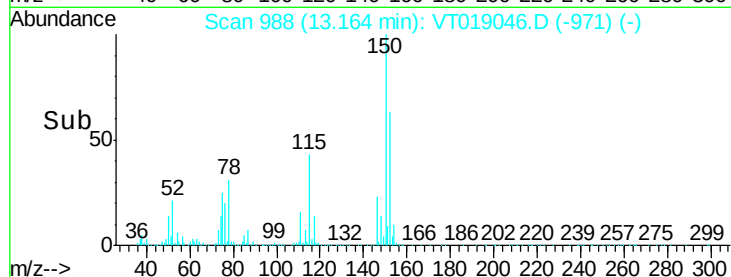
150 159.6 0.0 321.2



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

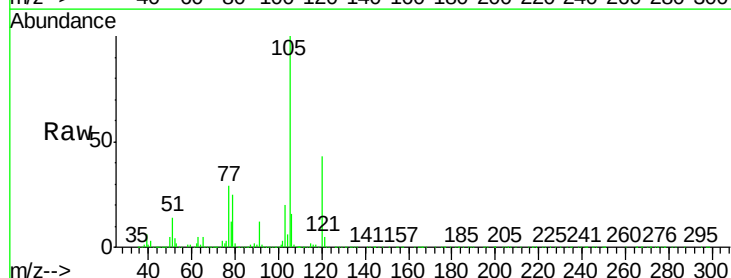
Acq: 8 May 2018 20:21

Tgt Ion:105 Resp: 9149810

Ion Ratio Lower Upper

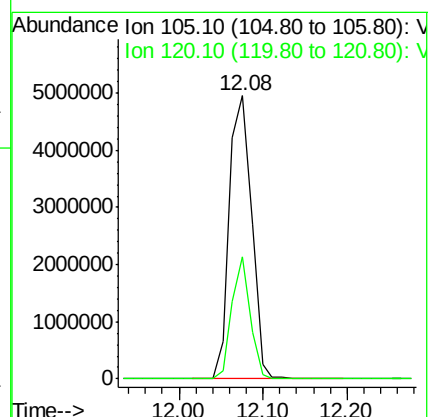
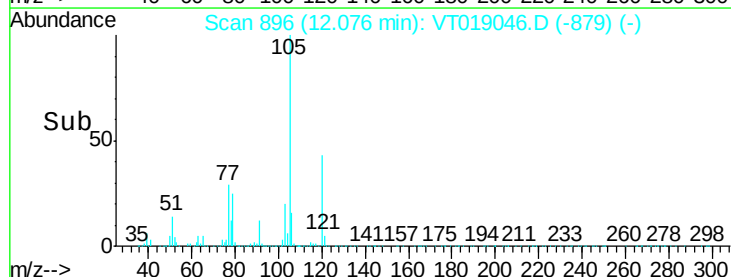
105 100

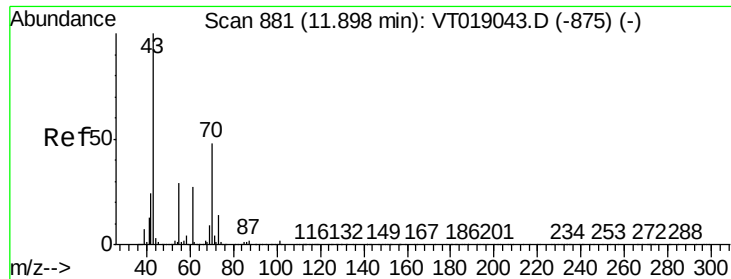
120 43.3 13.6 40.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V



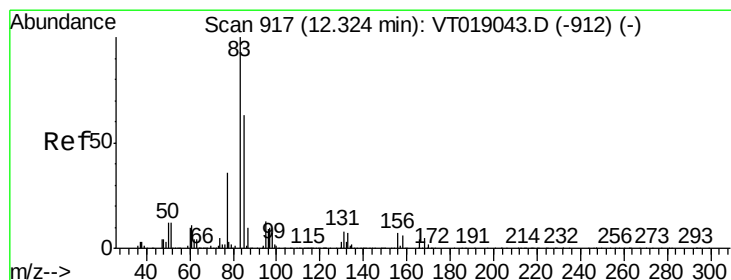
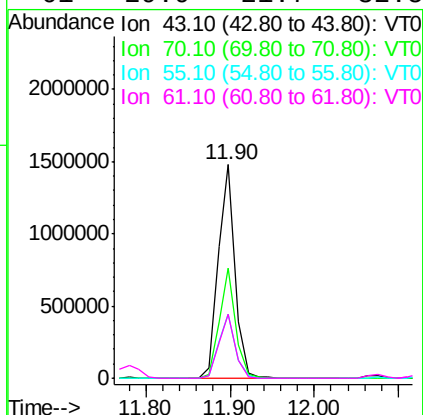
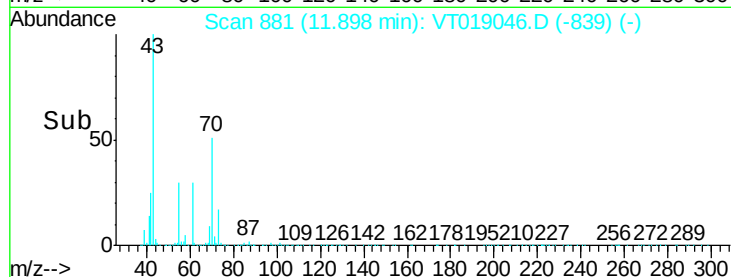
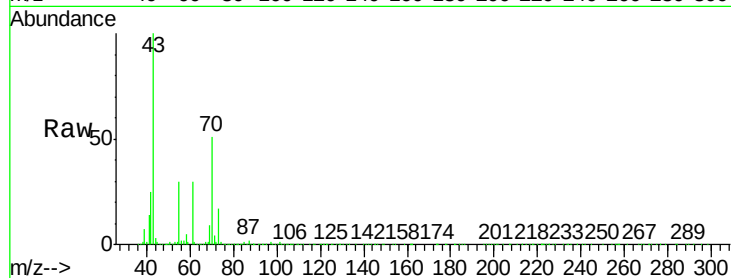


#73
N-amyI acetate
Concen: 150.74 ug/l
RT: 11.90 min Scan# 881
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 2070268

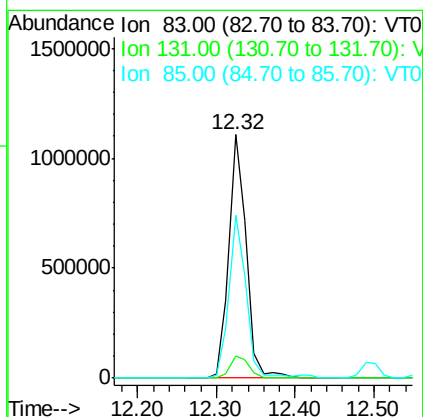
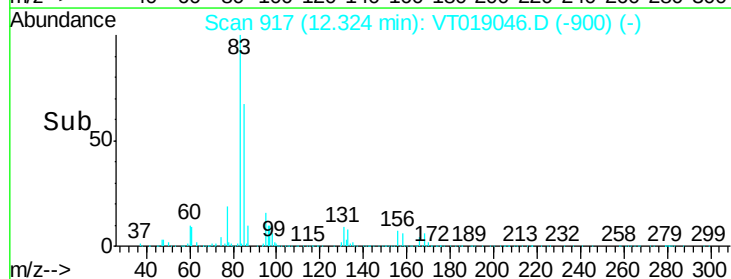
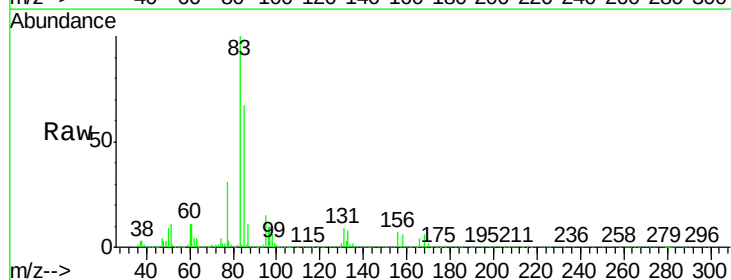
Ion	Ratio	Lower	Upper
43	100		
70	51.5	38.2	57.4
55	30.2	23.5	35.3
61	29.9	21.7	32.5

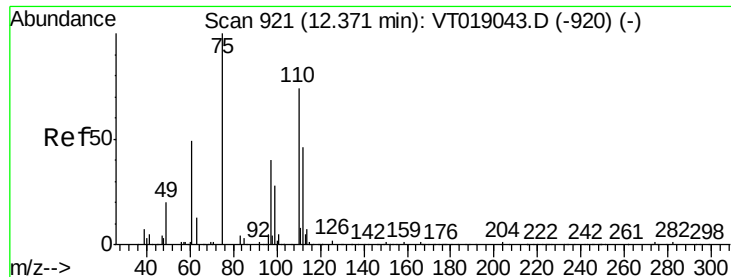


#74
1,1,2,2-Tetrachloroethane
Concen: 154.78 ug/l
RT: 12.32 min Scan# 917
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

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: 307.34 ug/l

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 :

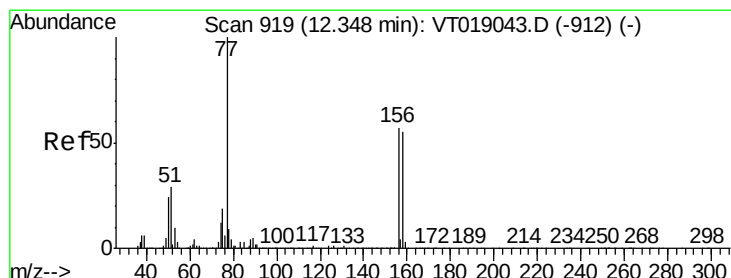
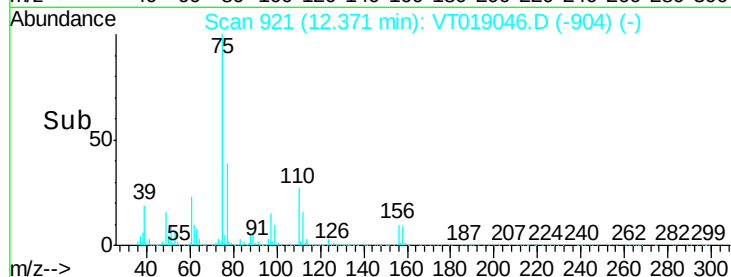
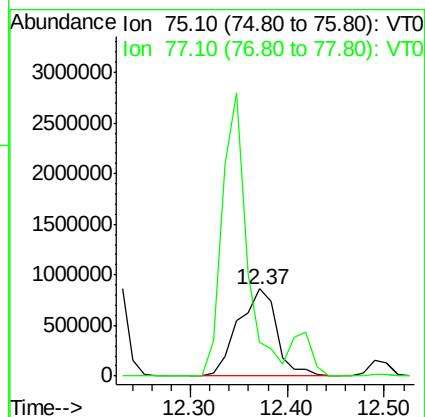
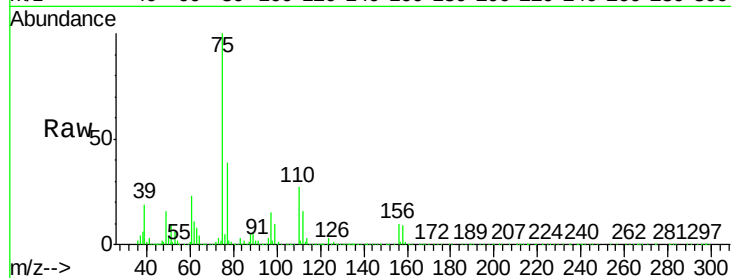
VSTDIC150

Tgt Ion: 75 Resp: 2362046

Ion Ratio Lower Upper

75 100

77 39.0 21.1 63.1



#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

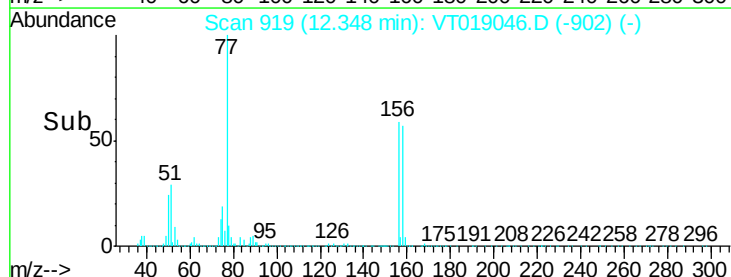
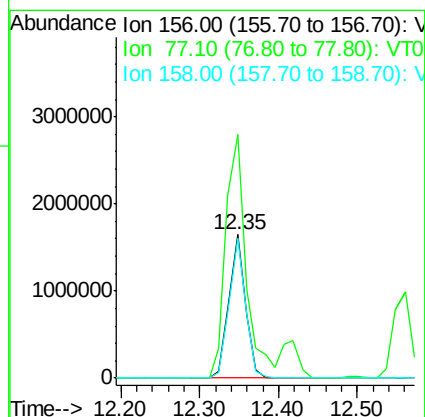
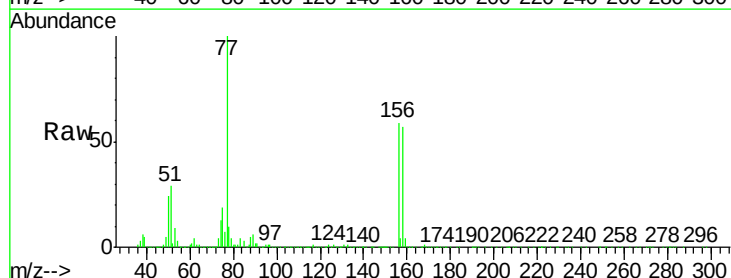
Tgt Ion: 156 Resp: 2375046

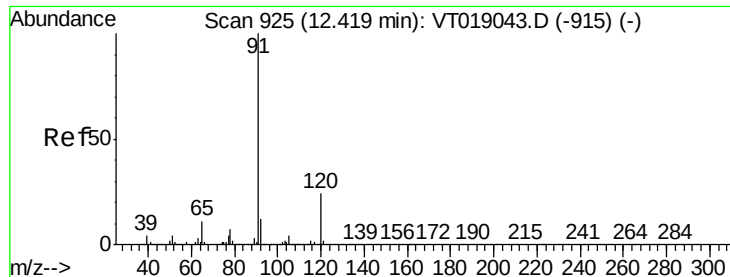
Ion Ratio Lower Upper

156 100

77 170.0 87.8 263.4

158 97.4 48.3 144.8





#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 :

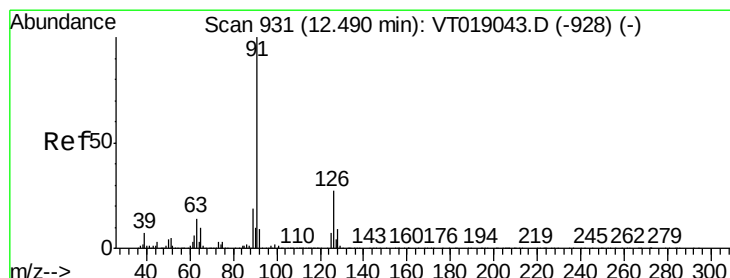
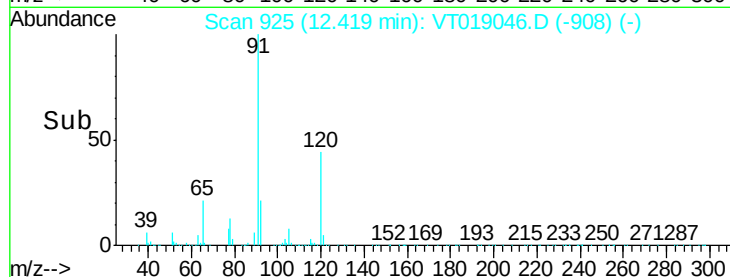
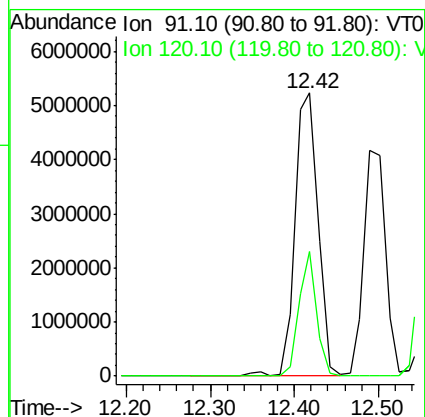
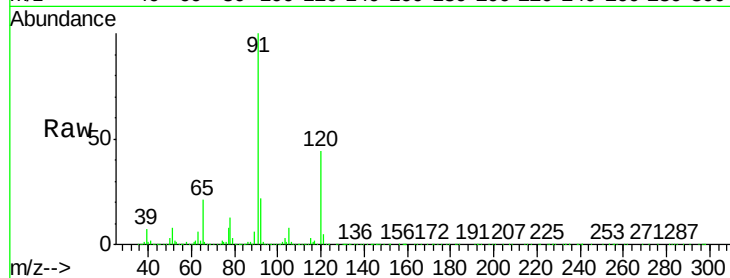
VSTDIC150

Tgt 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

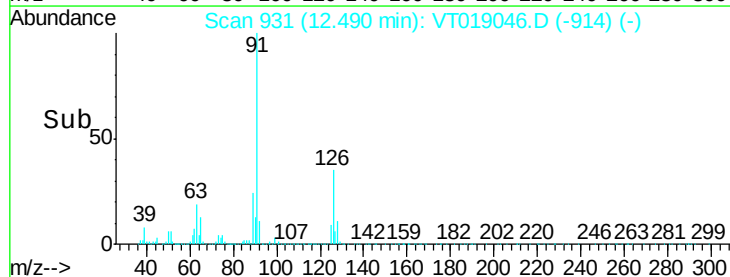
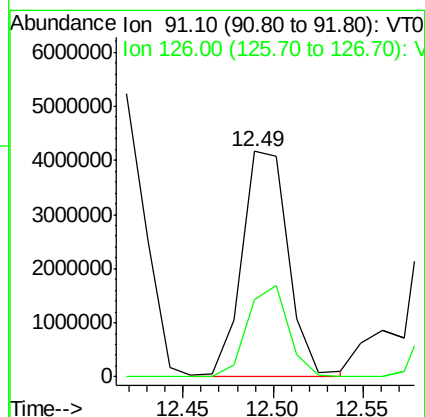
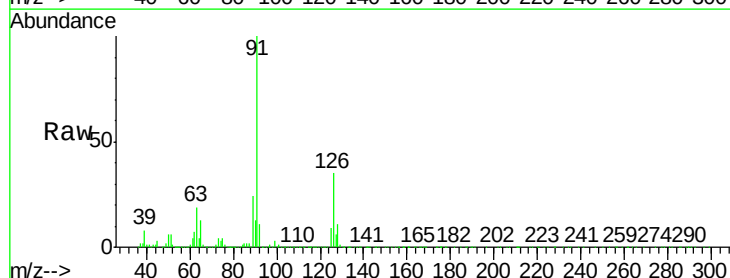
Acq: 8 May 2018 20:21

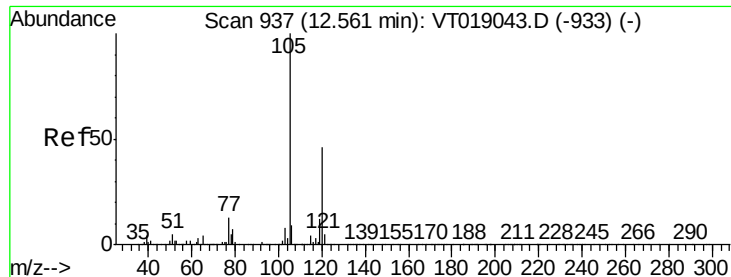
Tgt Ion: 91 Resp: 7510732

Ion Ratio Lower Upper

91 100

126 34.5 13.5 40.5

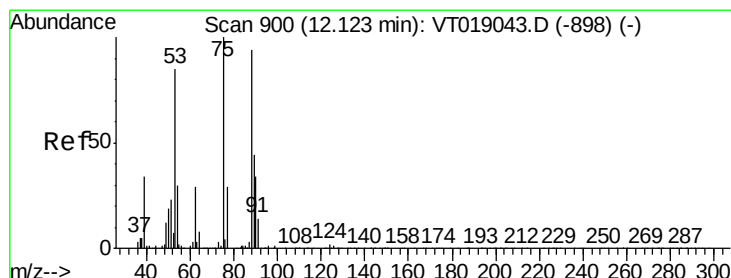
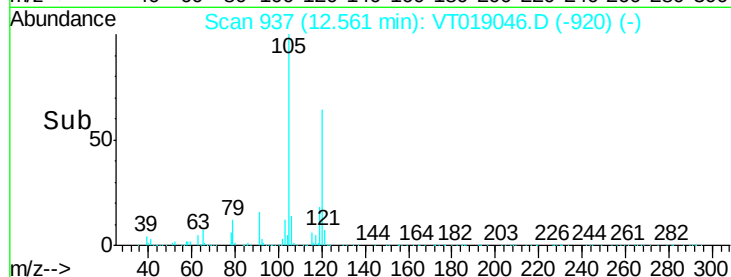
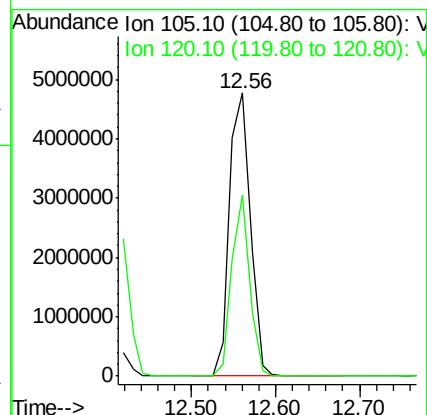
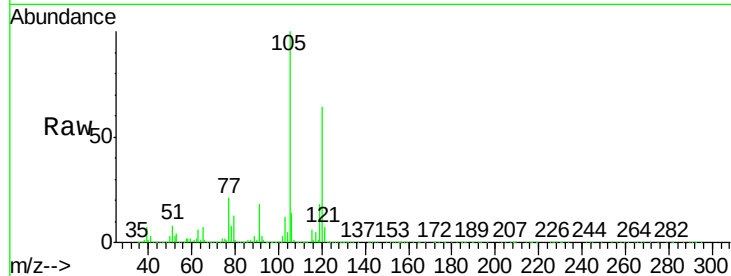




#79
 1,3,5-Trimethylbenzene
 Concen: 133.90 ug/l
 RT: 12.56 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

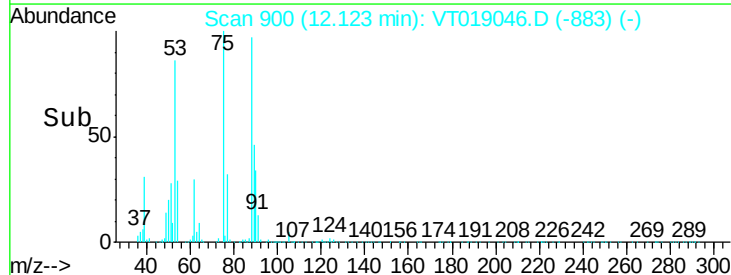
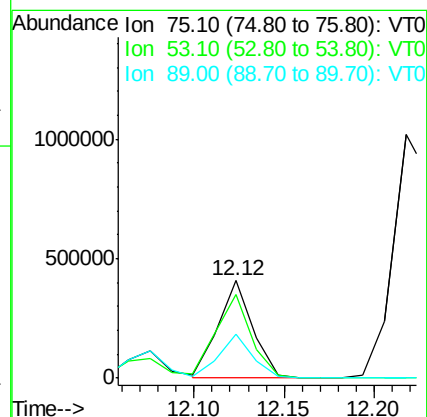
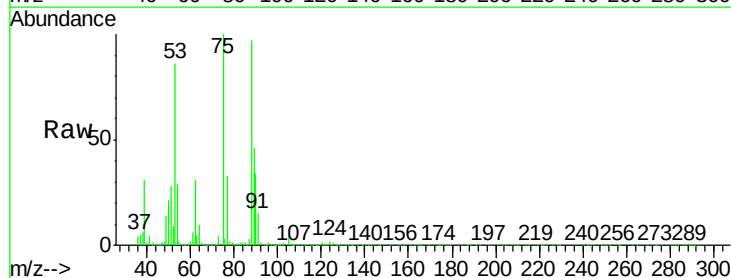
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC150

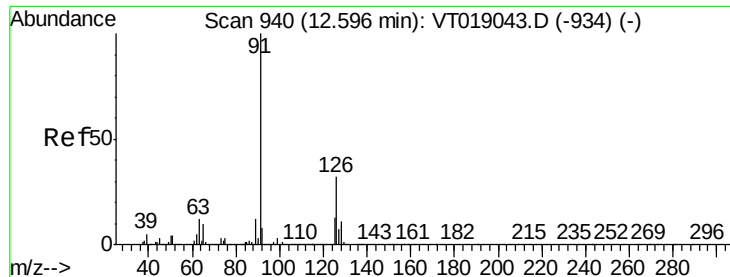
Tgt Ion:105 Resp: 8275243
 Ion Ratio Lower Upper
 105 100
 120 63.9 23.2 69.5



#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





#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 :

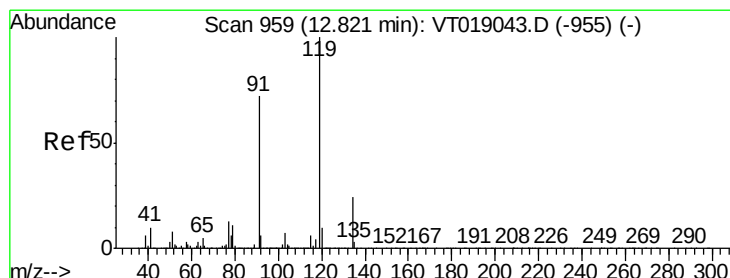
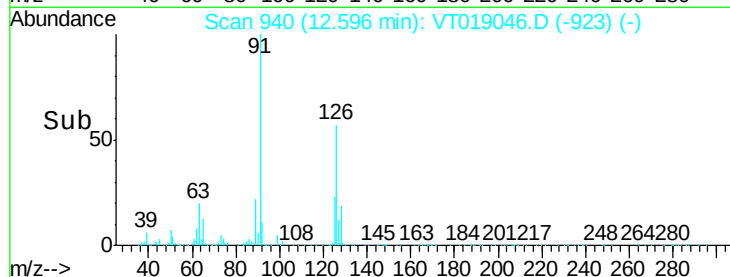
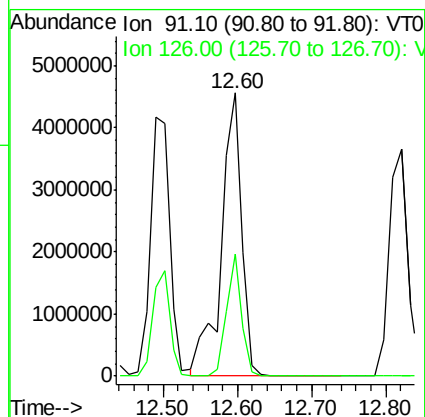
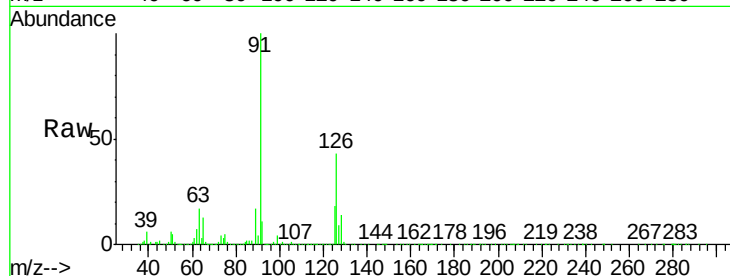
VSTDIC150

Tgt Ion: 91 Resp: 8874791

Ion Ratio Lower Upper

91 100

126 42.9 16.0 47.9



#82

tert-Butylbenzene

Concen: 174.47 ug/l

RT: 12.82 min Scan# 959

Delta R.T. -0.00 min

Lab File: VT019046.D

Acq: 8 May 2018 20:21

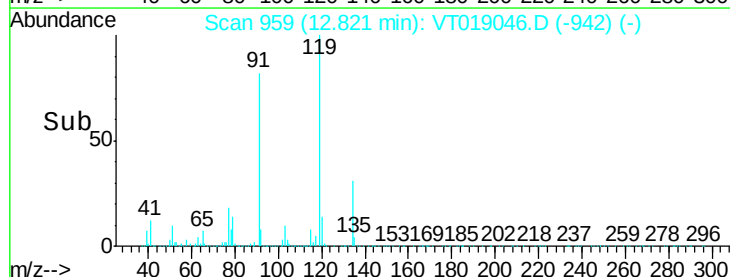
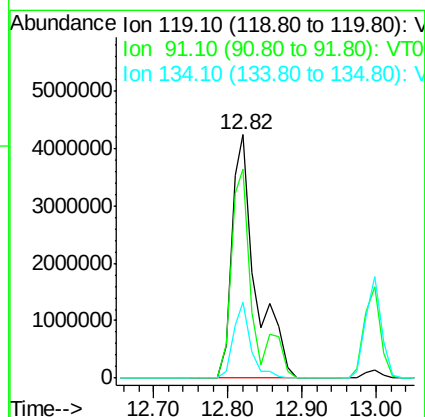
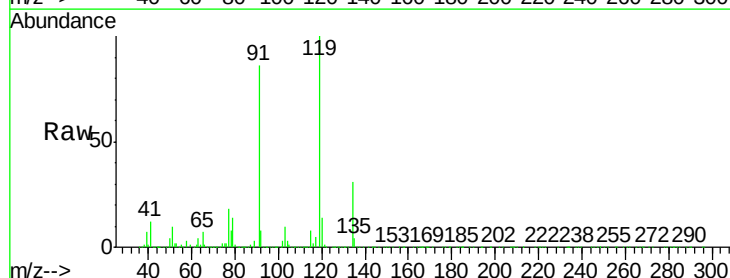
Tgt Ion: 119 Resp: 9569553

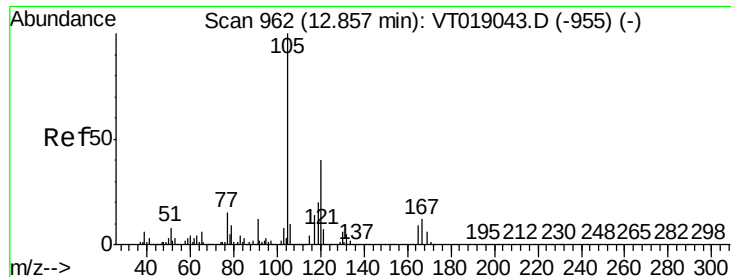
Ion Ratio Lower Upper

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 :

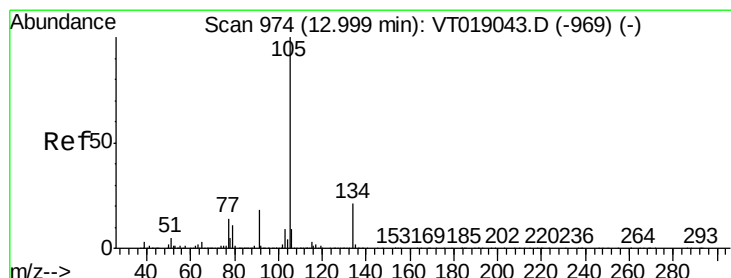
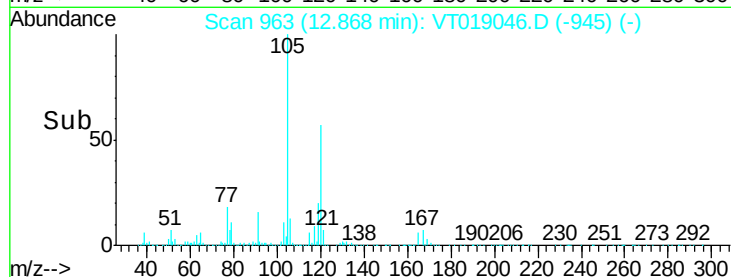
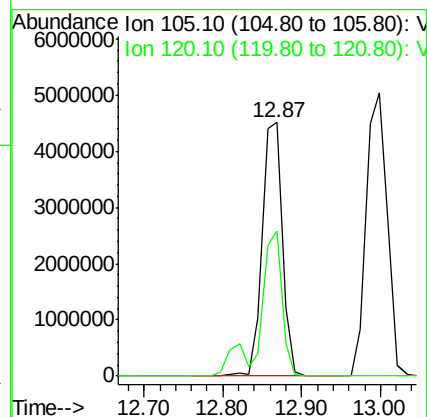
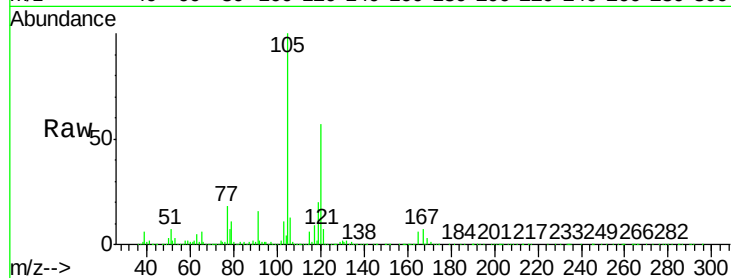
VSTDIC150

Tgt 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

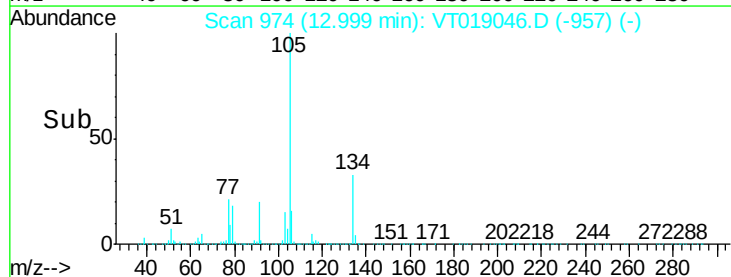
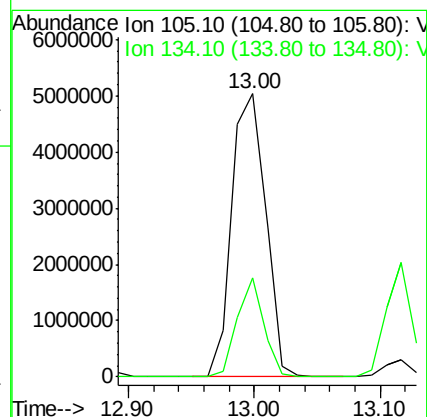
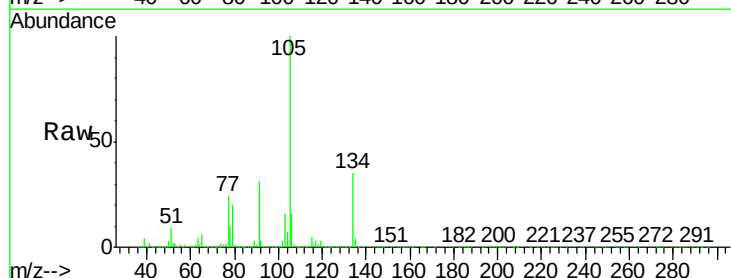
Acq: 8 May 2018 20:21

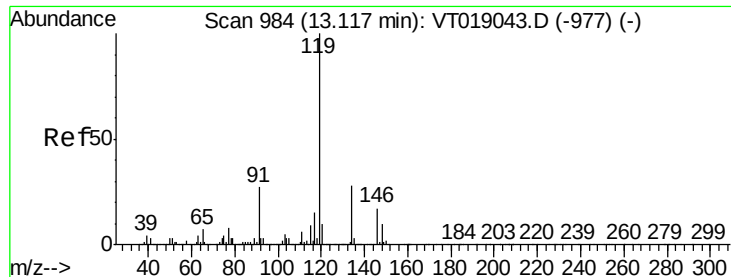
Tgt Ion:105 Resp: 9401948

Ion Ratio Lower Upper

105 100

134 35.1 10.4 31.2#

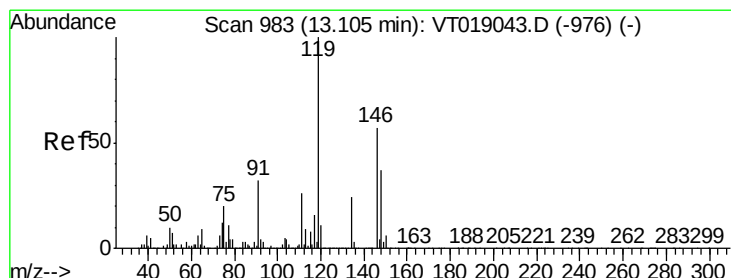
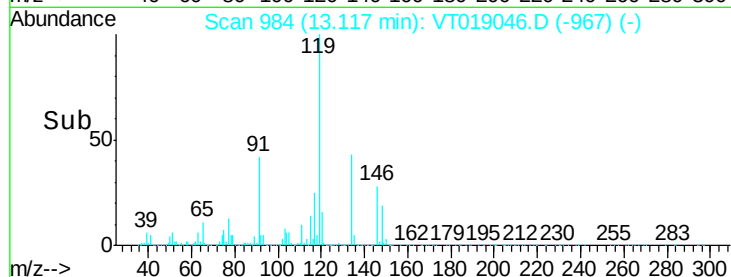
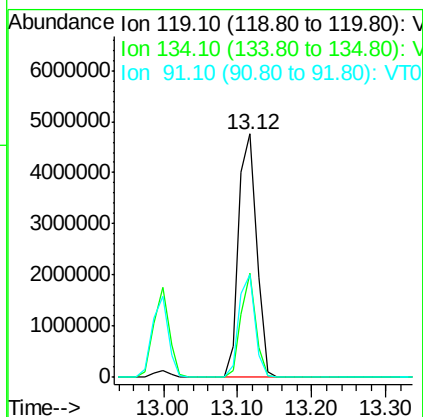
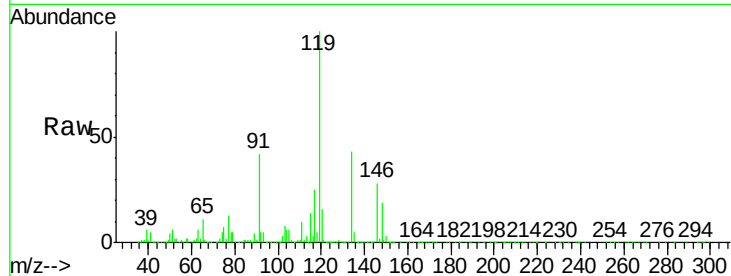




#85
p-Isopropyltoluene
Concen: 119.69 ug/l
RT: 13.12 min Scan# 984
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

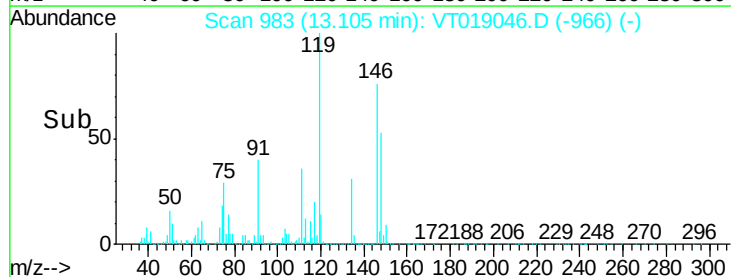
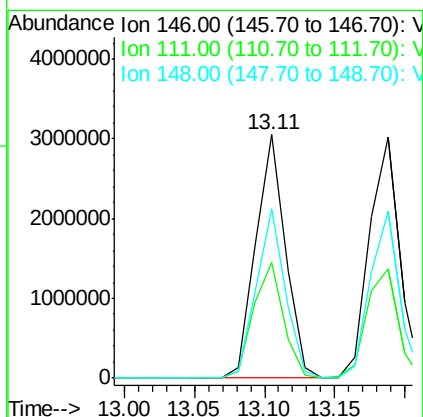
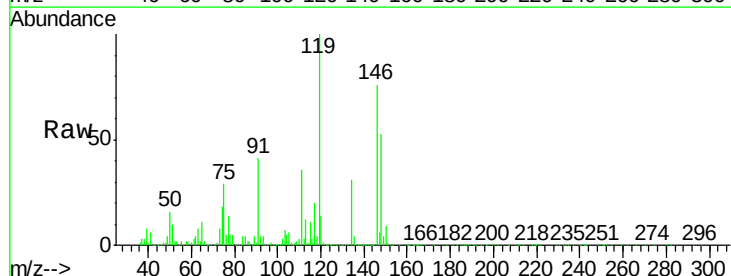
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

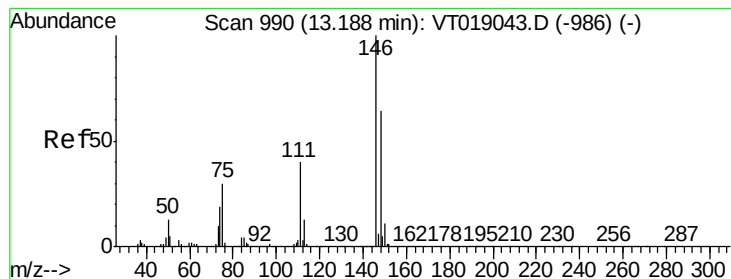
Tgt Ion:119 Resp: 8179181
Ion Ratio Lower Upper
119 100
134 42.6 14.1 42.3#
91 42.3 13.5 40.4#



#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

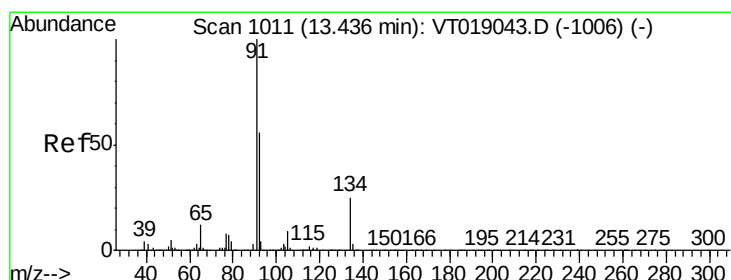
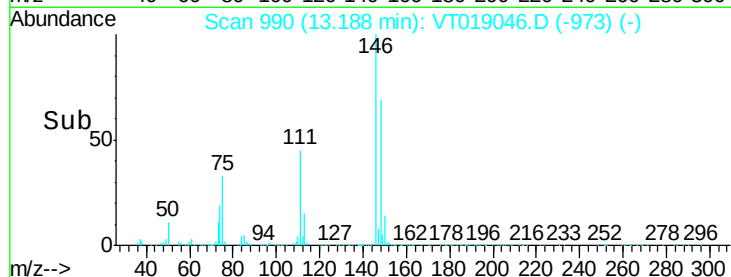
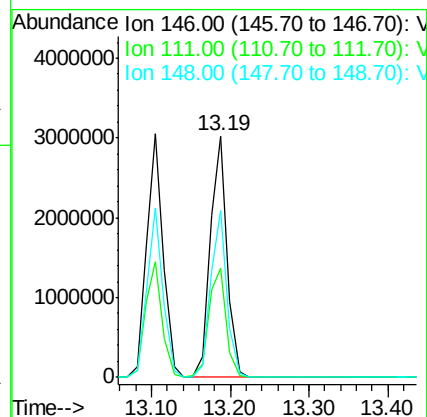
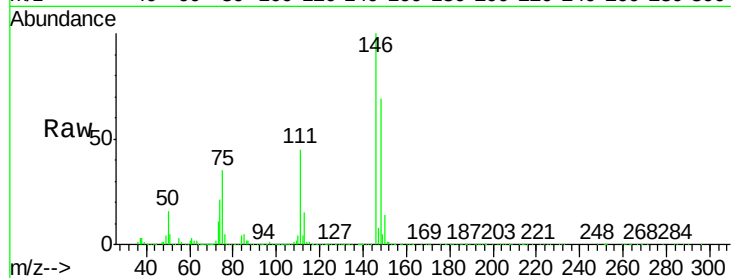
Tgt Ion:146 Resp: 4506831

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

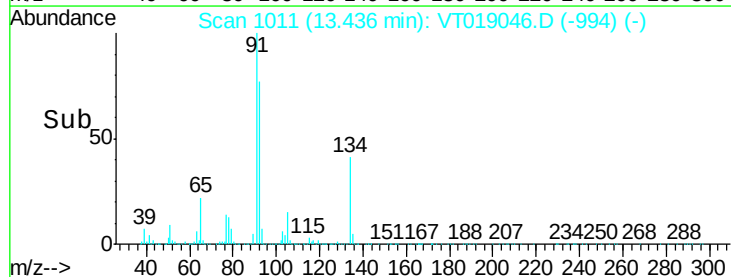
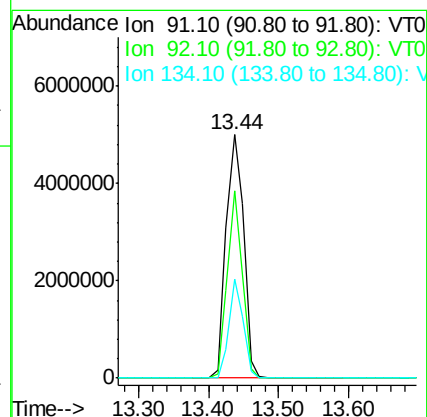
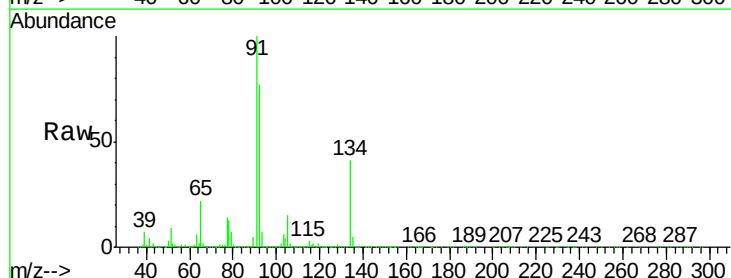
Tgt Ion: 91 Resp: 8682655

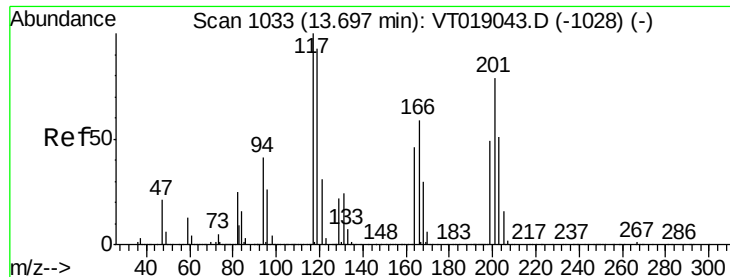
Ion Ratio Lower Upper

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 :

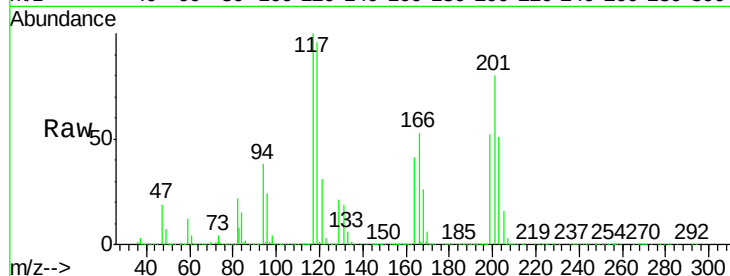
VSTDIC150

Tgt Ion:117 Resp: 2017099

Ion Ratio Lower Upper

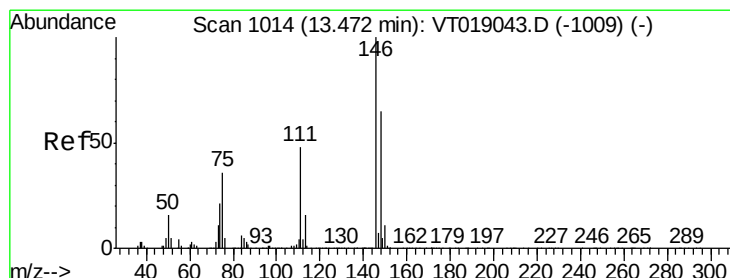
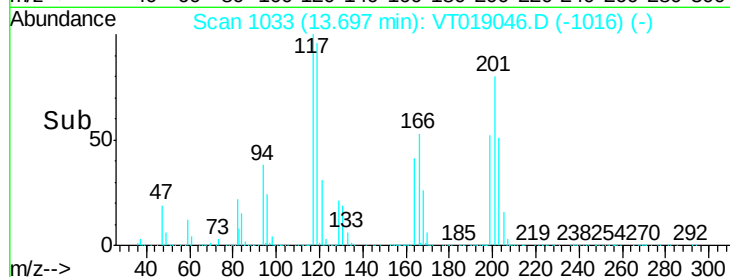
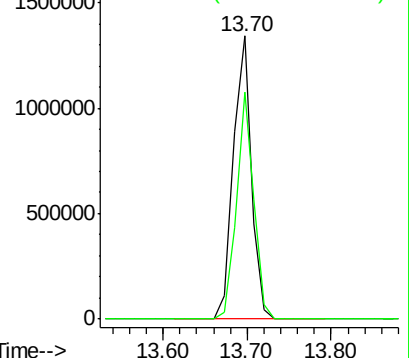
117 100

201 80.2 39.4 118.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 200.80 (200.50 to 201.50): V



#90

1,2-Dichlorobenzene

Concen: 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

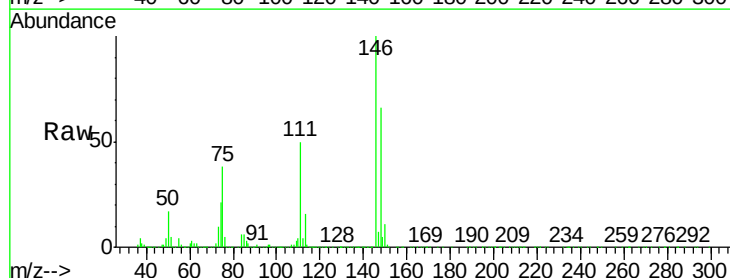
Tgt Ion:146 Resp: 3994339

Ion Ratio Lower Upper

146 100

111 50.0 23.8 71.2

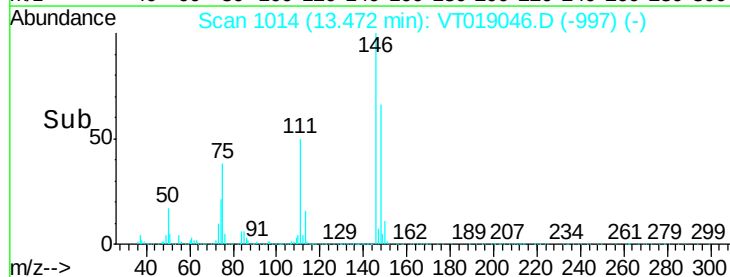
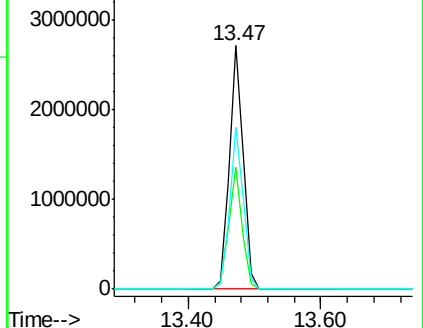
148 66.5 32.7 98.1

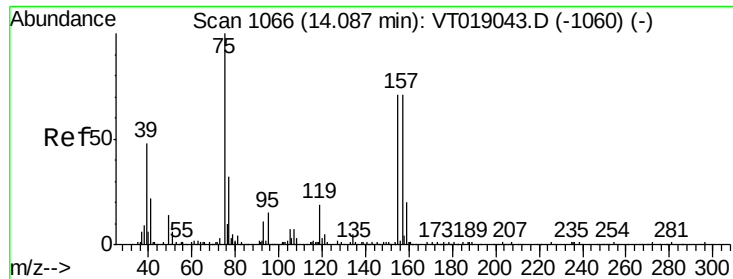


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

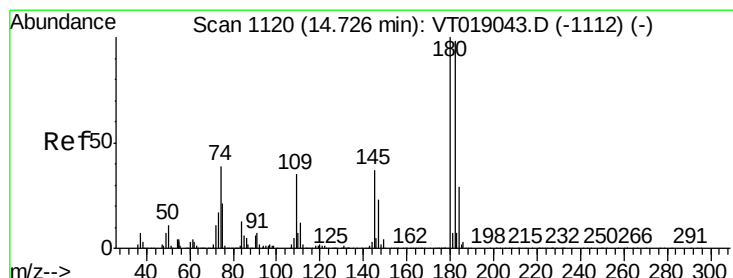
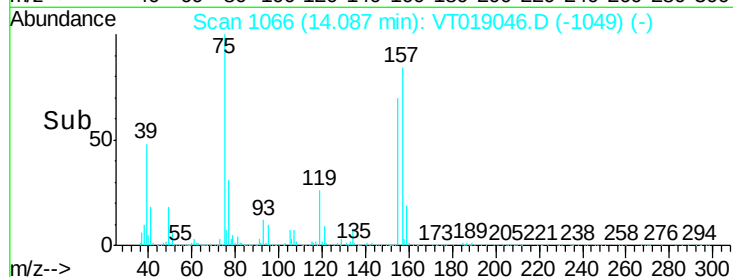
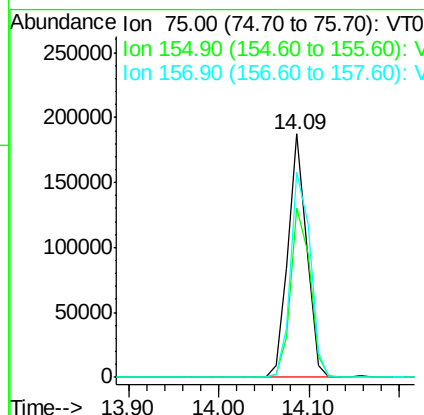
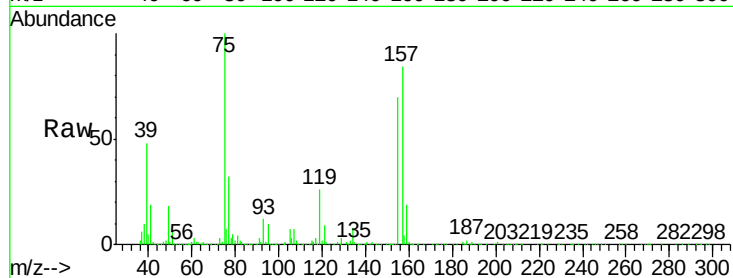




#91
 1,2-Dibromo-3-Chloropropane
 Concen: 163.31 ug/l
 RT: 14.09 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

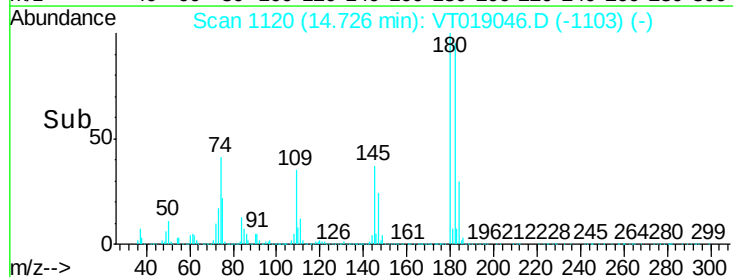
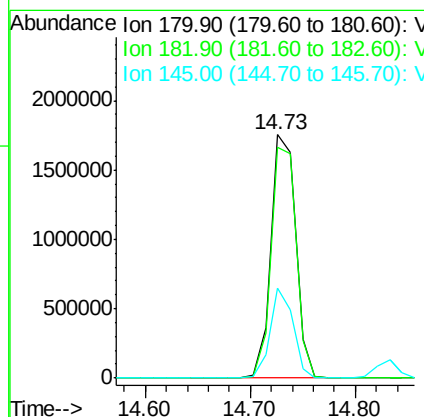
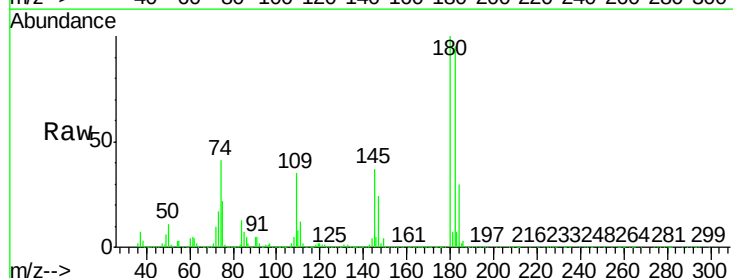
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC150

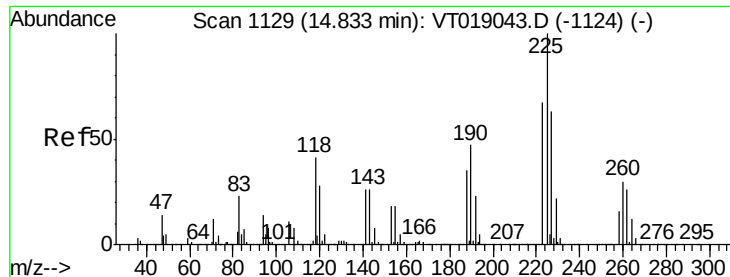
Tgt Ion: 75 Resp: 271102
 Ion Ratio Lower Upper
 75 100
 155 69.7 35.6 106.8
 157 84.3 35.8 107.3



#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

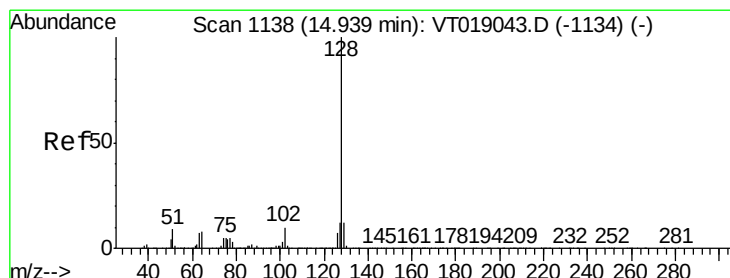
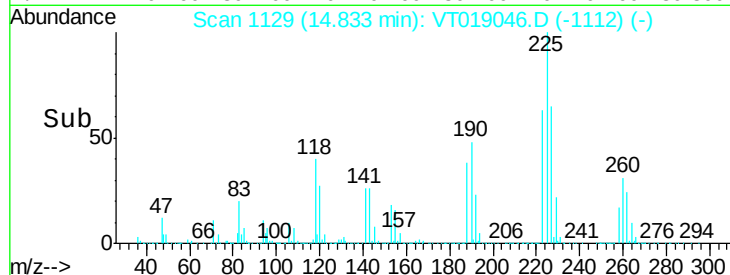
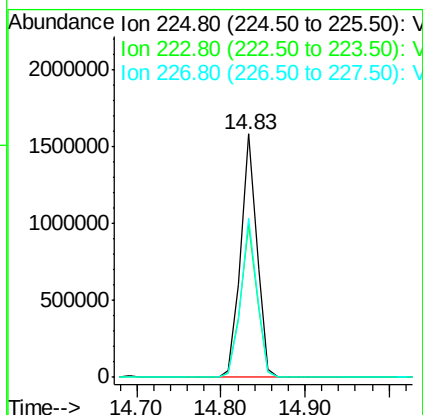
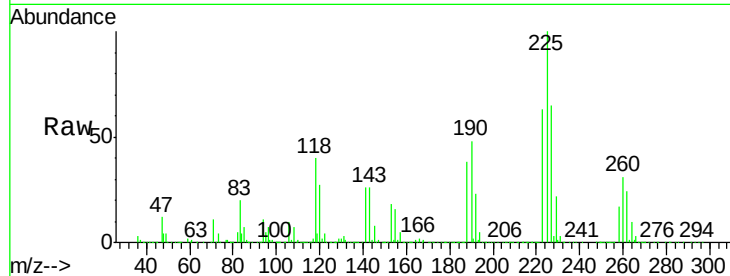




#93
Hexachlorobutadiene
Concen: 169.24 ug/l
RT: 14.83 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VT019046.D
Acq: 8 May 2018 20:21

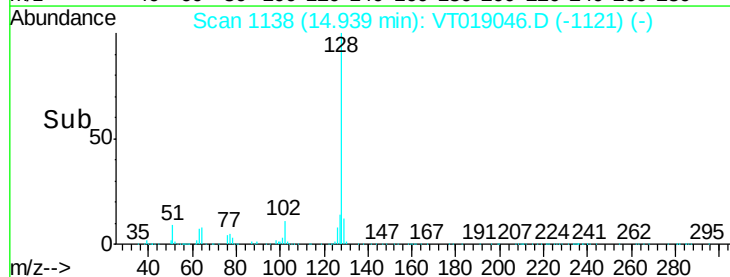
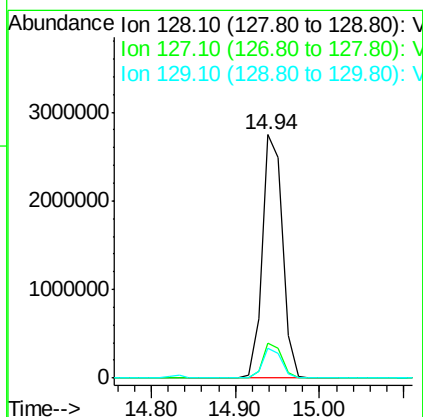
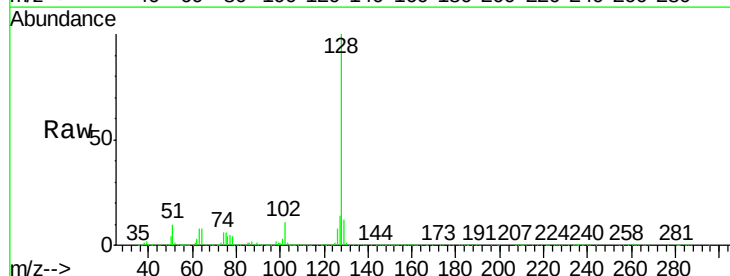
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC150

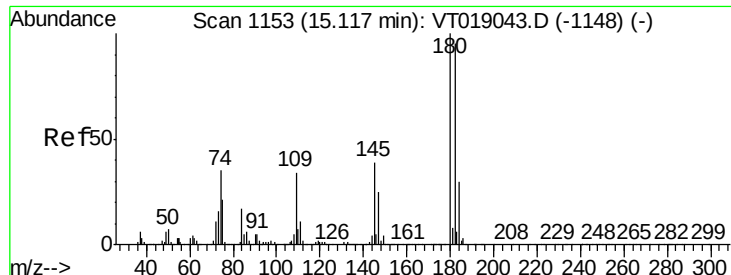
Tgt Ion:225 Resp: 2125932
Ion Ratio Lower Upper
225 100
223 62.8 33.5 100.4
227 65.3 31.7 95.1



#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

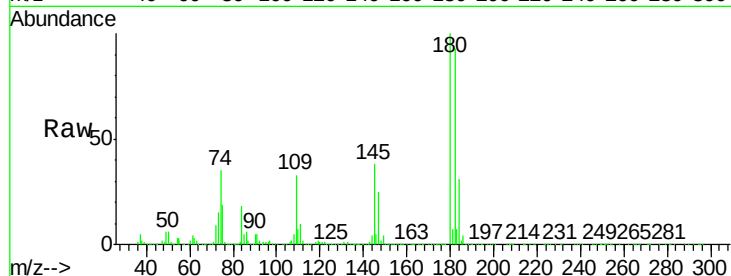




#95
 1,2,3-Trichlorobenzene
 Concen: 142.01 ug/l
 RT: 15.12 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VT019046.D
 Acq: 8 May 2018 20:21

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC150

Tgt 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

