

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050918\
 Data File : VT019051.D
 Acq On : 9 May 2018 11:43
 Operator : SY/MD
 Sample : VT0509SBS01
 Misc : 5.00g/5mL/MSVOA T/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT0509SBS01

Quant Time: May 25 18:06:09 2018
 Quant Method : W:\HPCHEM1\MSVOA_T\METHODS\2015\82T050818S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 09 04:36:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.44	168	1143716	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	1939838	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	1582363	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	732087	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	522889	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
34) Dibromofluoromethane	7.35	113	547632	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
49) Toluene-d8	9.90	98	2517508	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
61) 4-Bromofluorobenzene	12.22	95	893509	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.78	85	271752	18.57	ug/l	95
3) Chloromethane	1.95	50	111011	22.26	ug/l	94
4) Vinyl Chloride	2.10	62	156869	19.44	ug/l	94
5) Bromomethane	2.44	94	137913	20.95	ug/l	92
6) Chloroethane	2.57	64	96899	19.57	ug/l	97
7) Trichlorofluoromethane	2.92	101	452538m	20.89	ug/l	
8) Diethyl Ether	3.21	74	60687	18.46	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.59	101	228931	21.80	ug/l	99
10) Methyl Iodide	3.76	142	325218	21.34	ug/l	96
11) Tert butyl alcohol	4.53	59	35715	65.05	ug/l #	90
12) 1,1-Dichloroethene	3.54	96	207338	22.24	ug/l	96
13) Acrolein	3.39	56	26884	100.30	ug/l	98
14) Allyl chloride	4.06	41	436215	21.68	ug/l	91
15) Acrylonitrile	4.70	53	192131	90.84	ug/l	95
16) Acetone	3.59	43	108411	94.07	ug/l	96
17) Carbon Disulfide	4.06	76	789515m	20.52	ug/l	
18) Methyl Acetate	4.06	43	101182	17.09	ug/l	93
19) Methyl tert-butyl Ether	4.76	73	430044	18.41	ug/l	98
20) Methylene Chloride	4.28	84	254180	20.48	ug/l	93
21) trans-1,2-Dichloroethene	4.74	96	279859	20.33	ug/l	90
22) Diisopropyl ether	5.67	45	731786	19.61	ug/l	98
23) Vinyl Acetate	5.61	43	1631603	98.52	ug/l	98
24) 1,1-Dichloroethane	5.56	63	531490	20.37	ug/l	99
25) 2-Butanone	6.57	43	231108	89.05	ug/l	96
26) 2,2-Dichloropropane	6.55	77	247796	23.54	ug/l	97
27) cis-1,2-Dichloroethene	6.56	96	275134	20.34	ug/l	98
28) Bromochloromethane	6.93	49	166677	19.24	ug/l	88
29) Chloroform	7.13	83	501915	20.56	ug/l	97
30) Cyclohexane	7.43	56	581762	20.57	ug/l	94
31) 1,1,1-Trichloroethane	7.33	97	398007	21.10	ug/l	95
35) 1,1-Dichloropropene	7.56	75	467645	20.92	ug/l	99
36) Ethyl Acetate	6.67	43	100737	17.49	ug/l #	90
37) Carbon Tetrachloride	7.54	117	353174	19.33	ug/l	96
38) Methylcyclohexane	8.88	83	576935	21.62	ug/l	97

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050918\
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 Misc : 5.00g/5mL/MSVOA T/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Quant Time: May 25 18:06:09 2018
 Quant Method : W:\HPCHEM1\MSVOA_T\METHODS\2015\82T050818S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 09 04:36:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	7.82	78	1213693	20.78	ug/l #	92
40) Methacrylonitrile	6.90	41	63404	20.14	ug/l #	82
41) 1,2-Dichloroethane	7.91	62	242770	19.14	ug/l	99
42) Isopropyl Acetate	7.96	43	174004	17.54	ug/l	97
43) Trichloroethene	8.63	130	265874	19.79	ug/l	92
44) 1,2-Dichloropropane	8.92	63	277269	20.25	ug/l	98
45) Dibromomethane	9.01	93	102912	19.12	ug/l	98
46) Bromodichloromethane	9.21	83	294321	18.82	ug/l	99
47) Methyl methacrylate	9.01	41	94784	18.49	ug/l	94
48) 1,4-Dioxane	9.01	88	21467	339.46	ug/l #	77
50) 4-Methyl-2-Pentanone	9.80	43	478510	87.97	ug/l	94
51) Toluene	9.97	92	704117	20.86	ug/l	97
52) t-1,3-Dichloropropene	10.19	75	269645	18.96	ug/l	96
53) cis-1,3-Dichloropropene	9.65	75	356371	19.67	ug/l	95
54) 1,1,2-Trichloroethane	10.38	97	153785	18.82	ug/l	95
55) Ethyl methacrylate	10.25	69	164831	16.83	ug/l	97
56) 1,3-Dichloropropane	10.53	76	265789	18.18	ug/l	93
57) 2-Chloroethyl Vinyl ether	9.51	63	415714	92.13	ug/l	96
58) 2-Hexanone	10.57	43	359185	91.07	ug/l	99
59) Dibromochloromethane	10.73	129	150926	17.76	ug/l	98
60) 1,2-Dibromoethane	10.82	107	132744	18.79	ug/l	95
63) Tetrachloroethene	10.45	164	220892	20.40	ug/l	97
64) Chlorobenzene	11.25	112	702328	21.43	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.33	131	215398	20.25	ug/l	100
66) Ethyl Benzene	11.33	91	1467834	23.35	ug/l	99
67) m/p-Xylenes	11.45	106	1036296	44.34	ug/l	90
68) o-Xylene	11.77	106	469782	21.43	ug/l	98
69) Stvrene	11.78	104	747548	22.02	ug/l #	91
70) Bromoform	11.95	173	73618	18.21	ug/l	93
72) Isopropylbenzene	12.08	105	1452342	24.57	ug/l	96
73) N-amyl acetate	11.90	43	175775	18.04	ug/l	93
74) 1,1,2,2-Tetrachloroethane	12.32	83	169714	19.51	ug/l	95
75) 1,2,3-Trichloropropane	12.37	75	117614m	18.89	ug/l	
76) Bromobenzene	12.35	156	241180	20.61	ug/l	90
77) n-propylbenzene	12.42	91	1884663	21.81	ug/l	97
78) 2-Chlorotoluene	12.49	91	1000892	23.07	ug/l	97
79) 1,3,5-Trimethylbenzene	12.56	105	1240912	24.18	ug/l	100
80) trans-1,4-Dichloro-2-buten	12.12	75	44433	18.97	ug/l	98
81) 4-Chlorotoluene	12.60	91	1178476	22.36	ug/l	99
82) tert-Butylbenzene	12.82	119	1258517	28.14	ug/l	99
83) 1,2,4-Trimethylbenzene	12.86	105	1236190	23.76	ug/l	99
84) sec-Butylbenzene	13.00	105	1584884	25.15	ug/l	97
85) p-Isopropyltoluene	13.12	119	1313171	24.79	ug/l	95
86) 1,3-Dichlorobenzene	13.10	146	529925	21.46	ug/l	99
87) 1,4-Dichlorobenzene	13.19	146	510567	21.27	ug/l	99
88) n-Butylbenzene	13.44	91	1416676	24.96	ug/l	96
89) Hexachloroethane	13.70	117	195755	21.31	ug/l	90
90) 1,2-Dichlorobenzene	13.47	146	412394	19.98	ug/l	98
91) 1,2-Dibromo-3-Chloropropan	14.09	75	19396	15.47	ug/l	94
92) 1,2,4-Trichlorobenzene	14.73	180	271608	19.69	ug/l	93

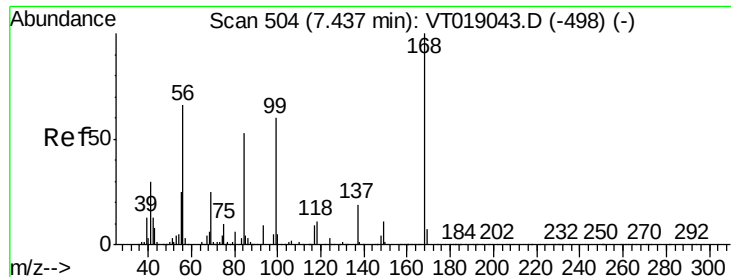
Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050918\
Data File : VT019051.D
Acq On : 9 May 2018 11:43
Operator : SY/MD
Sample : VT0509SBS01
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Instrument :
MSVOA_T
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Quant Time: May 25 18:06:09 2018
Quant Method : W:\HPCHEM1\MSVOA_T\METHODS\2015\82T050818S.M
Quant Title : SW846 8260
QLast Update : Wed May 09 04:36:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	14.83	225	208428	20.68	ug/l	95
94) Naphthalene	14.95	128	398980	17.90	ug/l	98
95) 1,2,3-Trichlorobenzene	15.12	180	215729	18.94	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 504

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

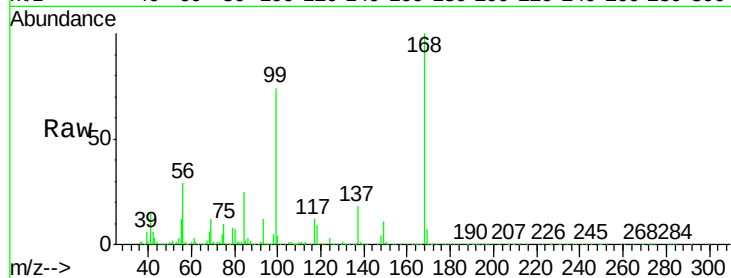
VT0509SBS01

Tot Ion:168 Resp: 1143716

Ion Ratio Lower Upper

168 100

99 74.1 59.0 88.4



Abundance Ion 168.00 (167.70 to 168.70): VT0

Ion 99.00 (98.70 to 99.70): VT0

7.44

500000

400000

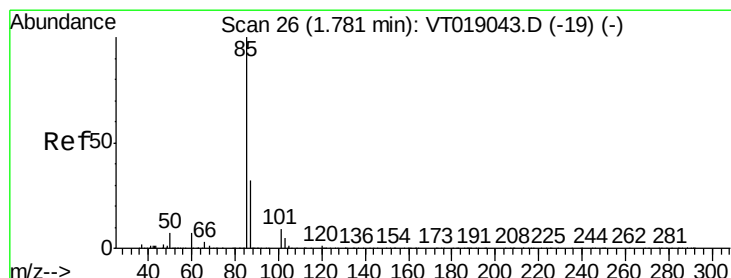
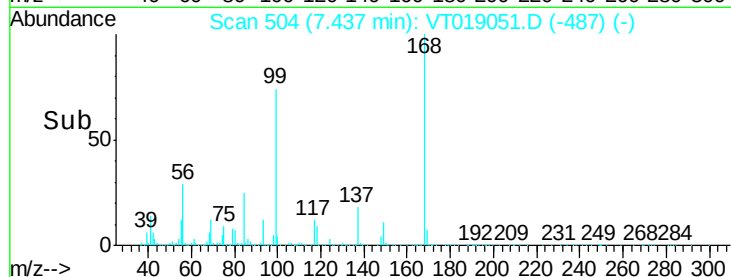
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.57 ug/l

RT: 1.78 min Scan# 26

Delta R.T. -0.00 min

Lab File: VT019051.D

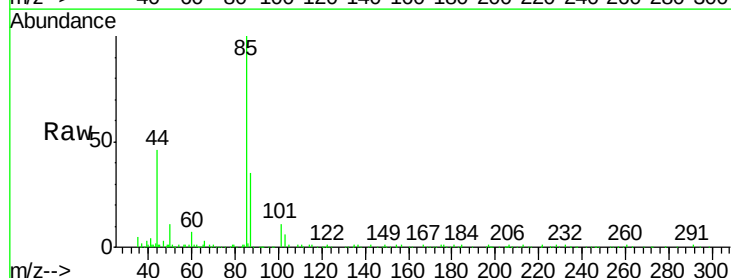
Acq: 9 May 2018 11:43

Tgt Ion: 85 Resp: 271752

Ion Ratio Lower Upper

85 100

87 35.2 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VT0

Ion 87.00 (86.70 to 87.70): VT0

1.78

60000

50000

40000

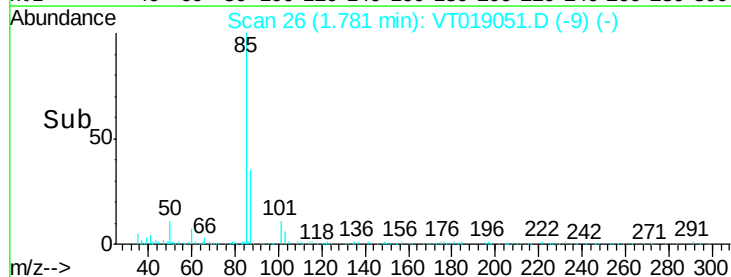
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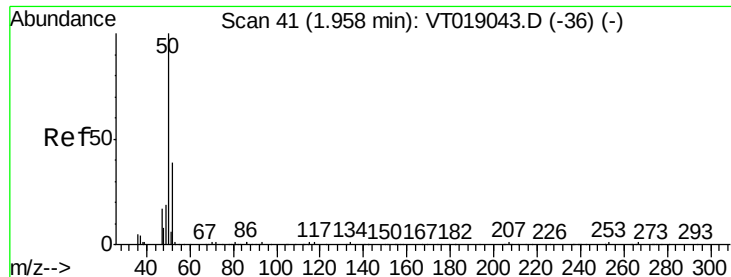
20000

10000

0

Time-->





#3

Chloromethane

Concen: 22.26 ug/l

RT: 1.95 min Scan# 40

Delta R.T. -0.01 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

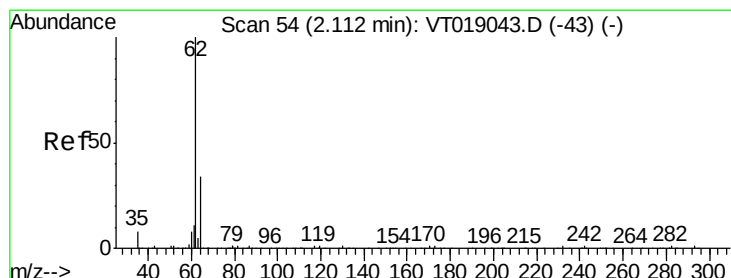
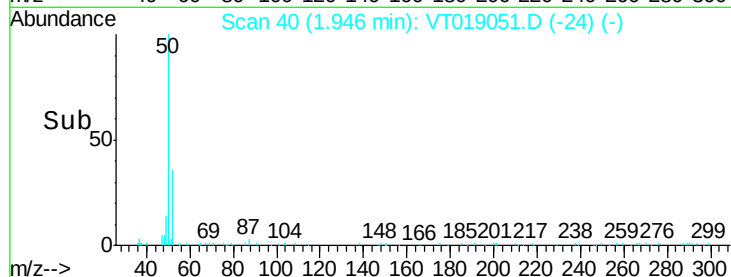
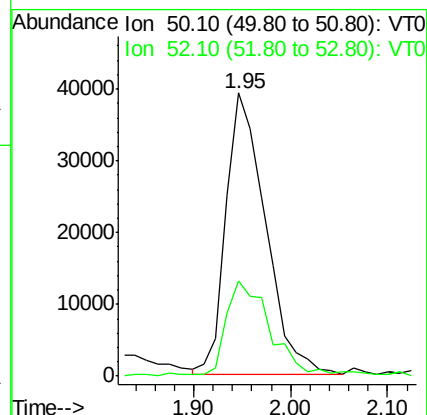
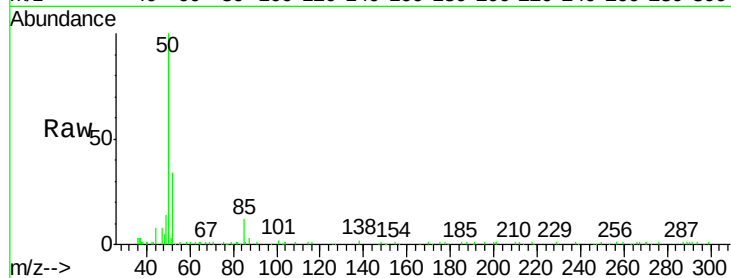
VT0509SBS01

Tot Ion: 50 Resp: 111011

Ion Ratio Lower Upper

50 100

52 33.8 30.1 45.1



#4

Vinyl Chloride

Concen: 19.44 ug/l

RT: 2.10 min Scan# 53

Delta R.T. -0.01 min

Lab File: VT019051.D

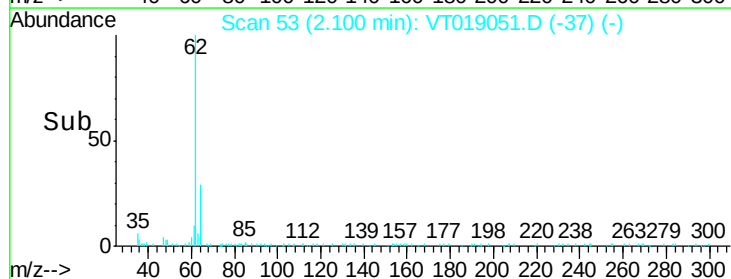
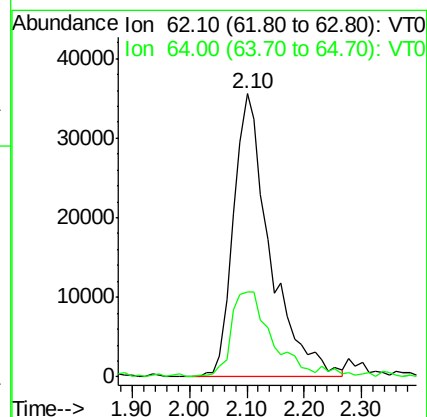
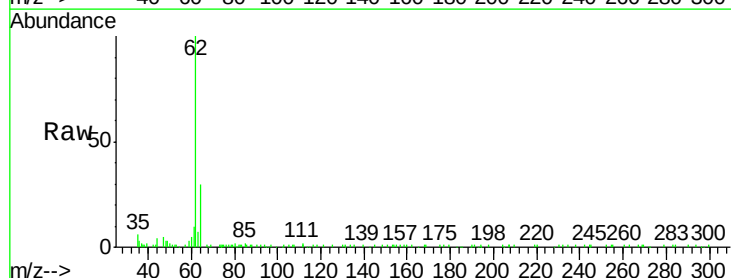
Acq: 9 May 2018 11:43

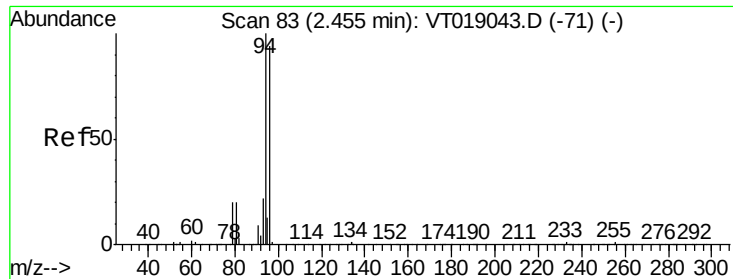
Tgt Ion: 62 Resp: 156869

Ion Ratio Lower Upper

62 100

64 30.2 27.0 40.4





#5

Bromomethane

Concen: 20.95 ug/l

RT: 2.44 min Scan# 82

Delta R.T. -0.01 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

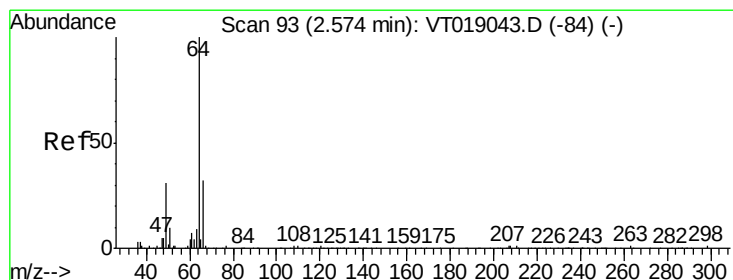
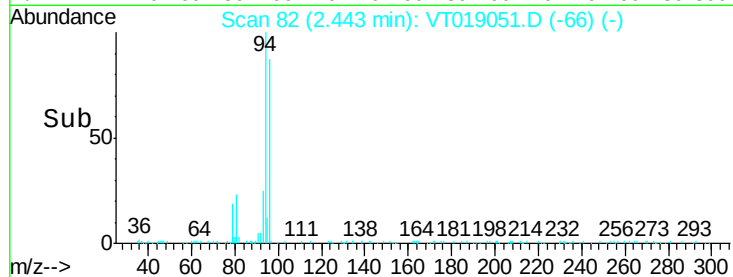
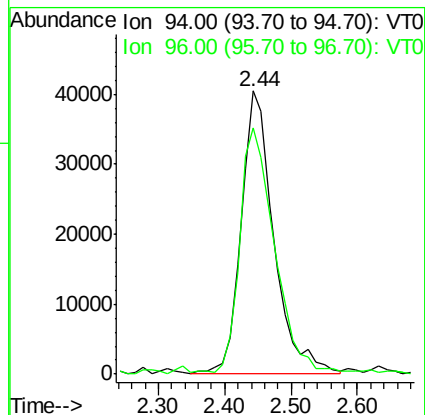
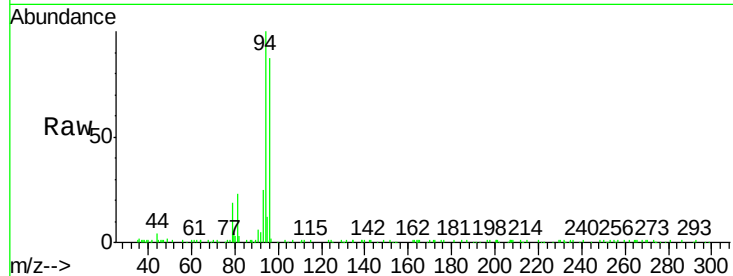
VT0509SBS01

Tot Ion: 94 Resp: 137913

Ion Ratio Lower Upper

94 100

96 86.8 75.3 112.9



#6

Chloroethane

Concen: 19.57 ug/l

RT: 2.57 min Scan# 93

Delta R.T. -0.00 min

Lab File: VT019051.D

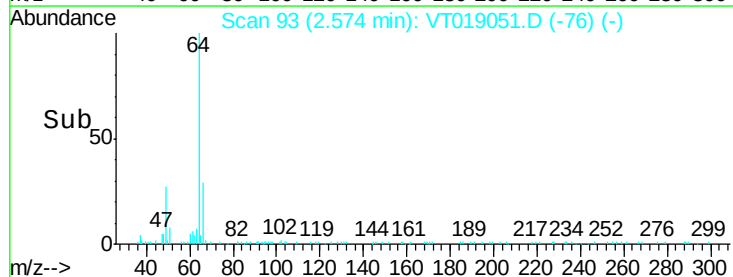
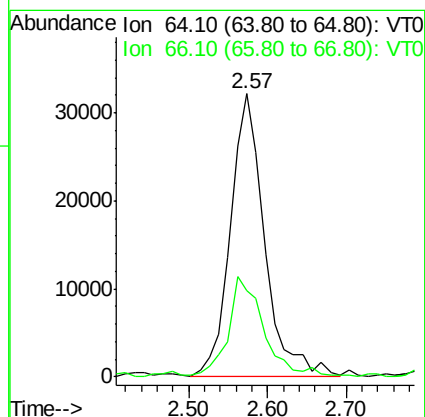
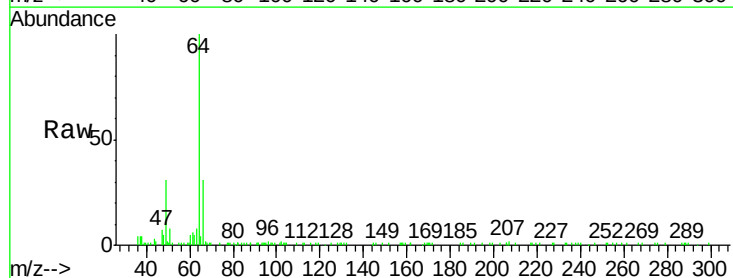
Acq: 9 May 2018 11:43

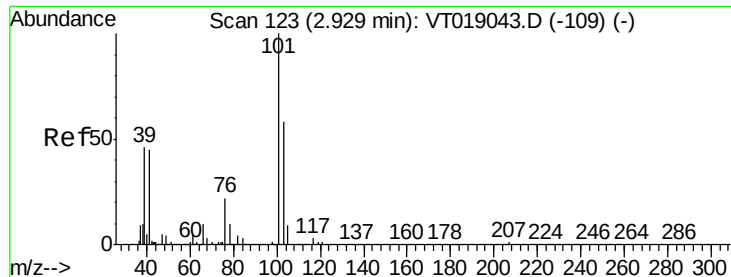
Tgt Ion: 64 Resp: 96899

Ion Ratio Lower Upper

64 100

66 30.6 25.8 38.8



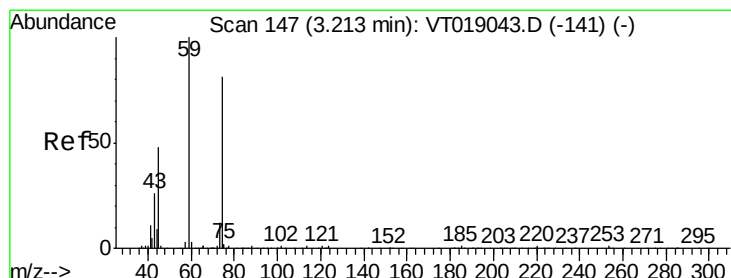
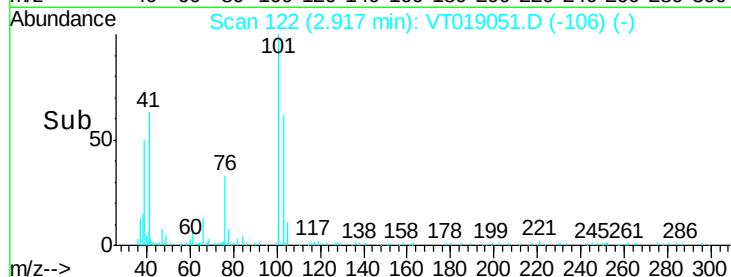
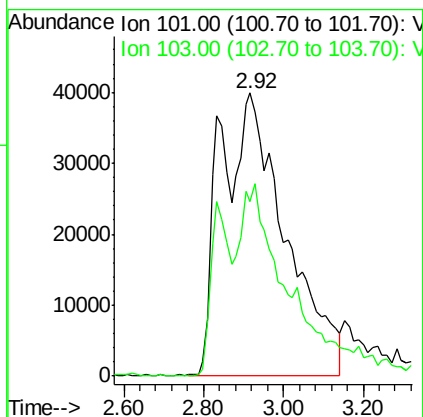
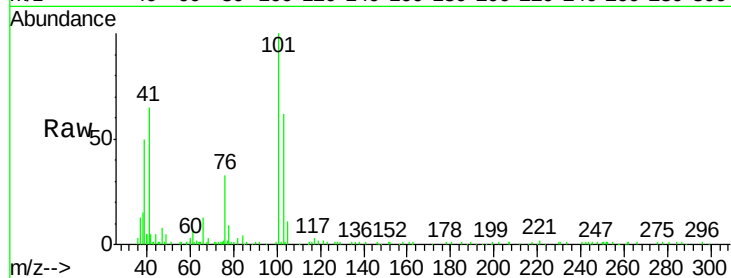


#7

Trichlorofluoromethane
Concen: 20.89 ug/l m
RT: 2.92 min Scan# 122
Delta R.T. -0.01 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

Instrument :
MSVOA_T
ClientSampleId :
VT0509SBS01

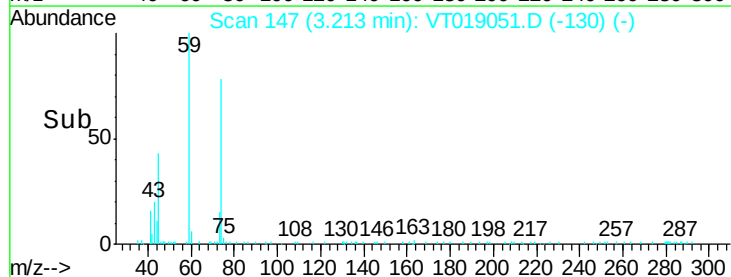
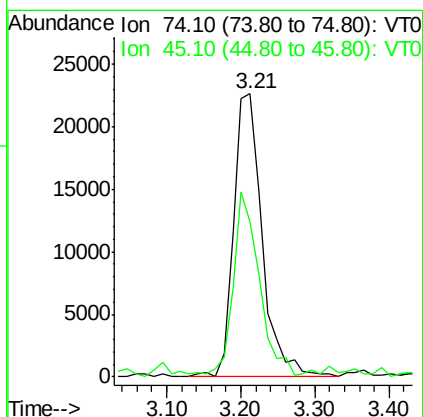
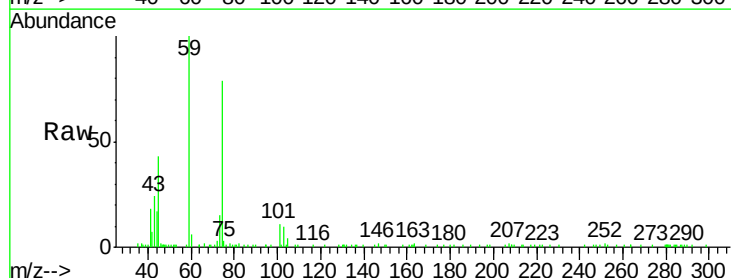
Tot Ion:101 Resp: 452538
Ion Ratio Lower Upper
101 100
103 61.8 46.5 69.7

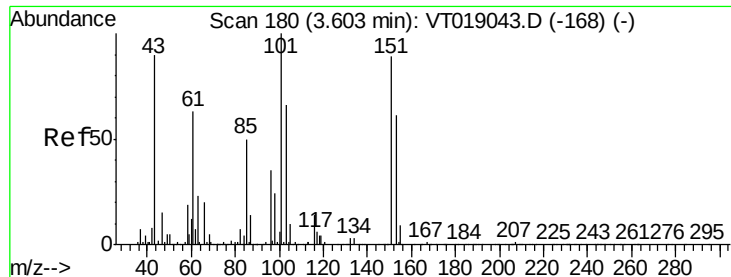


#8

Diethyl Ether
Concen: 18.46 ug/l
RT: 3.21 min Scan# 147
Delta R.T. -0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

Tgt Ion: 74 Resp: 60687
Ion Ratio Lower Upper
74 100
45 55.0 29.8 89.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.80 ug/l

RT: 3.59 min Scan# 179

Delta R.T. -0.01 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

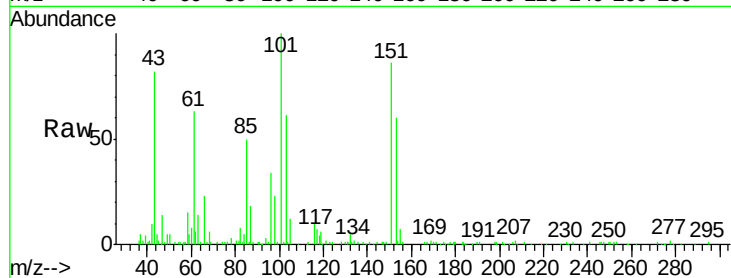
Tot Ion:101 Resp: 228931

Ion Ratio Lower Upper

101 100

85 49.3 39.5 59.3

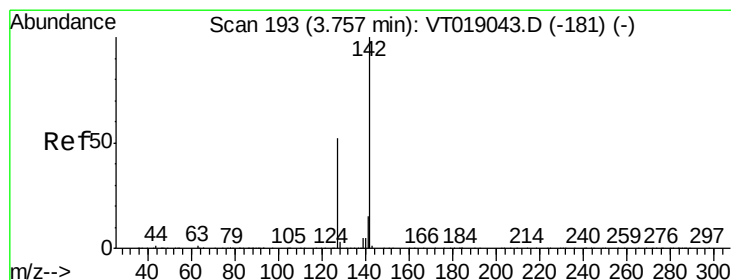
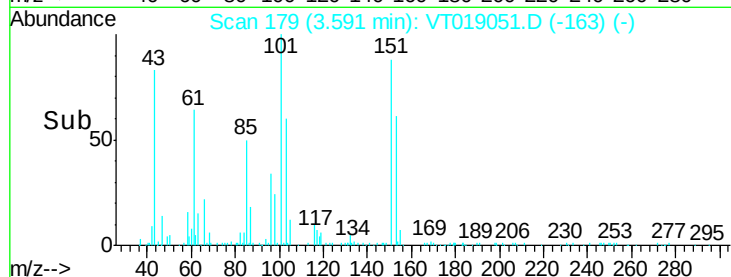
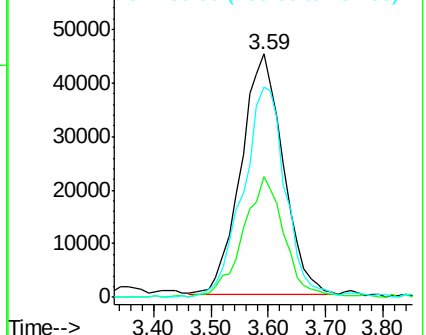
151 85.8 69.9 104.9



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: 21.34 ug/l

RT: 3.76 min Scan# 193

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

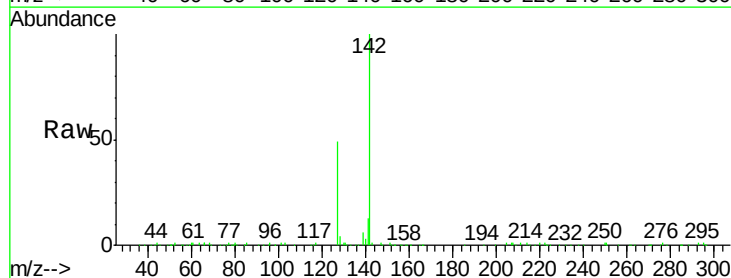
Tgt Ion:142 Resp: 325218

Ion Ratio Lower Upper

142 100

127 49.2 41.8 62.8

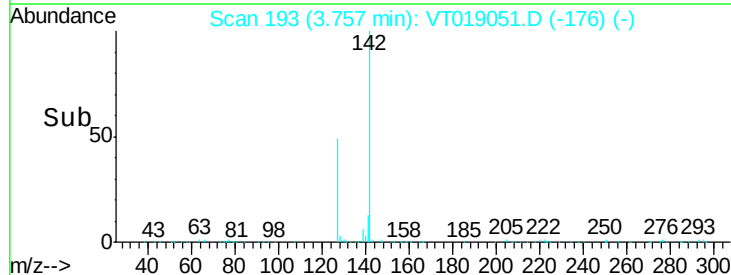
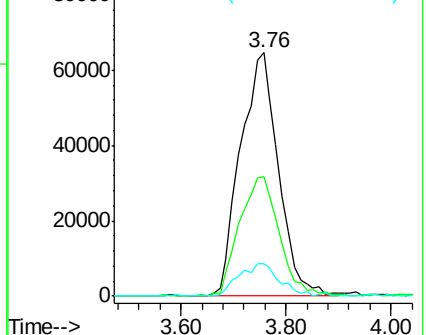
141 13.1 12.0 18.0

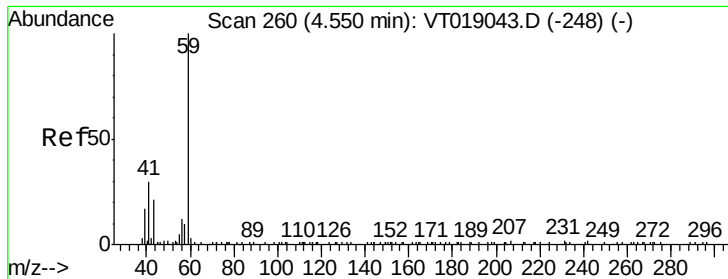


Abundance Ion 141.90 (141.60 to 142.60): V

Ion 126.90 (126.60 to 127.60): V

Ion 140.90 (140.60 to 141.60): V





#11

Tert butyl alcohol

Concen: 65.05 ug/l

RT: 4.53 min Scan# 258

Delta R.T. -0.02 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

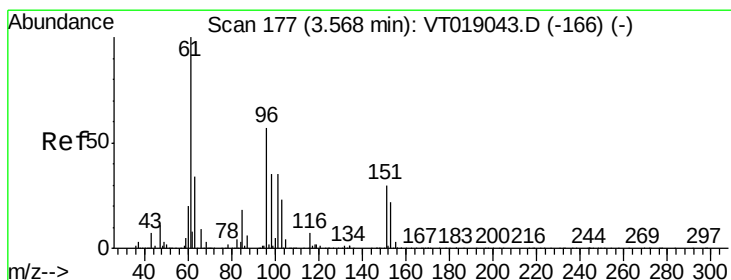
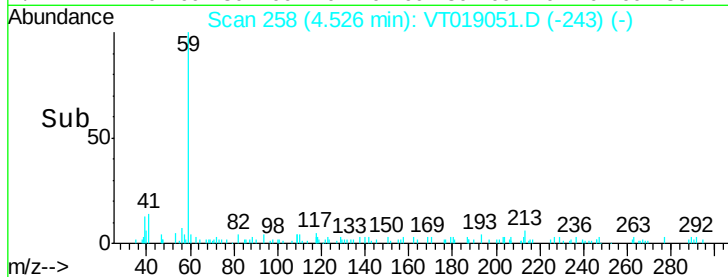
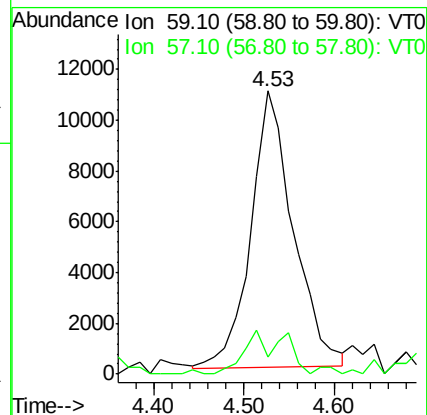
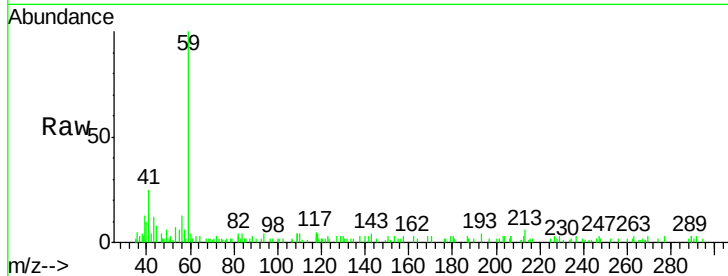
VT0509SBS01

Tot Ion: 59 Resp: 35715

Ion Ratio Lower Upper

59 100

57 6.0 7.7 11.5#



#12

1,1-Dichloroethene

Concen: 22.24 ug/l

RT: 3.54 min Scan# 175

Delta R.T. -0.02 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

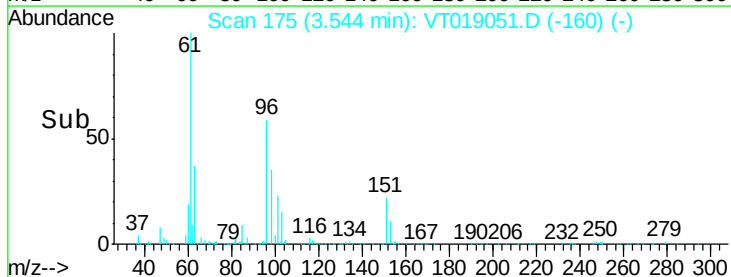
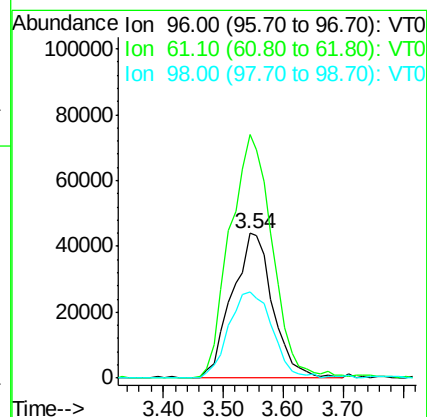
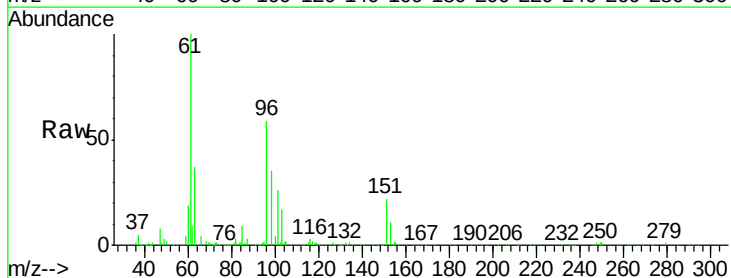
Tgt Ion: 96 Resp: 207338

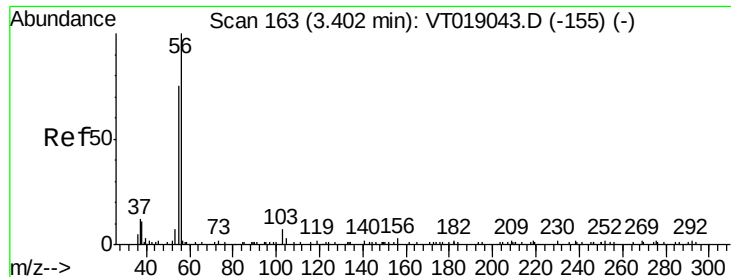
Ion Ratio Lower Upper

96 100

61 168.5 139.4 209.2

98 59.4 49.4 74.2





#13

Acrolein

Concen: 100.30 ug/l

RT: 3.39 min Scan# 162

Delta R.T. -0.01 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

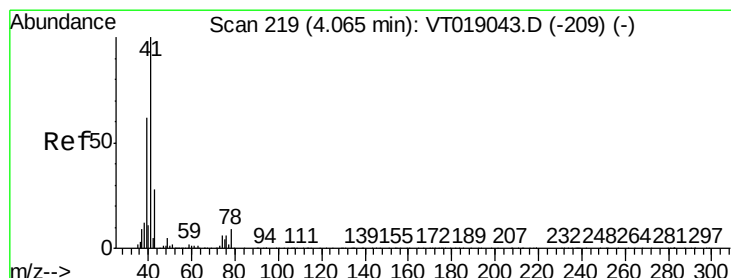
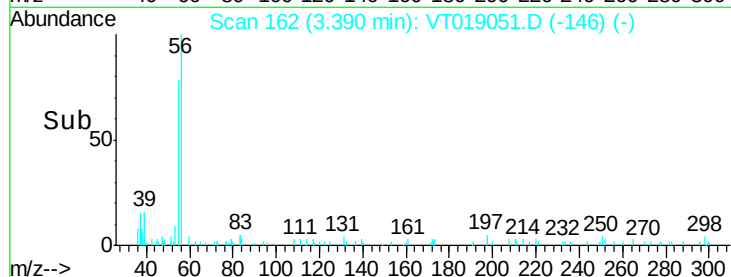
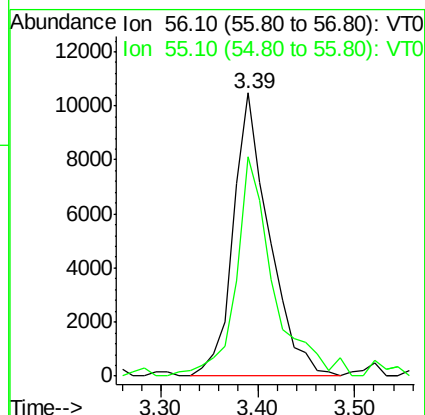
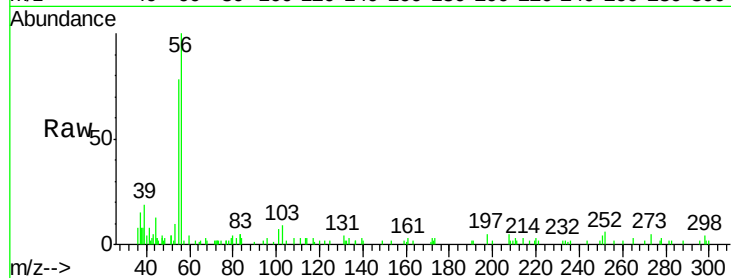
VT0509SBS01

Tot Ion: 56 Resp: 26884

Ion Ratio Lower Upper

56 100

55 77.5 60.8 91.2



#14

Allyl chloride

Concen: 21.68 ug/l

RT: 4.06 min Scan# 219

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

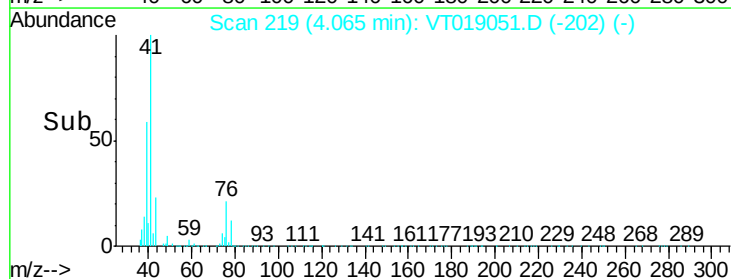
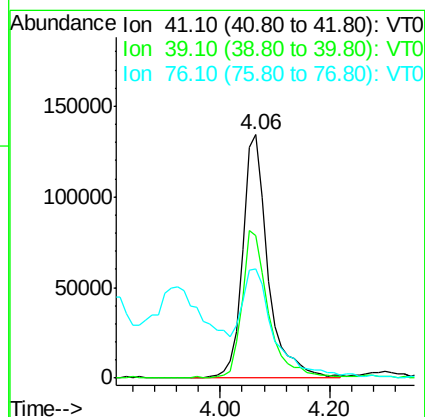
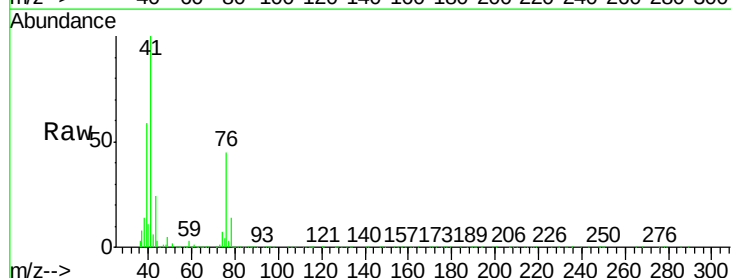
Tgt Ion: 41 Resp: 436215

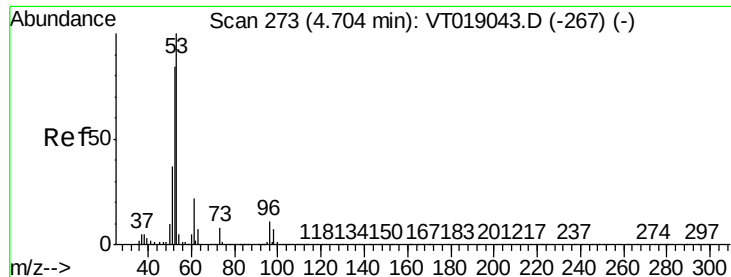
Ion Ratio Lower Upper

41 100

39 58.8 49.5 74.3

76 44.9 44.0 66.0





#15

Acrylonitrile

Concen: 90.84 ug/l

RT: 4.70 min Scan# 273

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

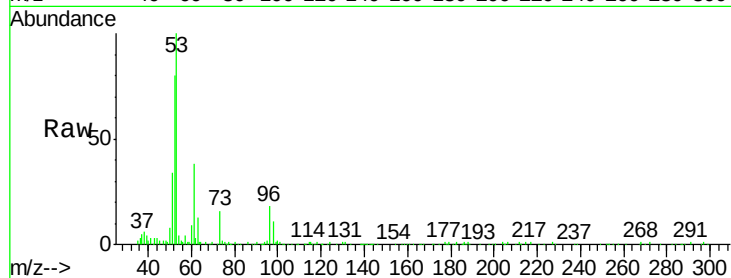
Tot Ion: 53 Resp: 192131

Ion Ratio Lower Upper

53 100

52 79.6 67.4 101.0

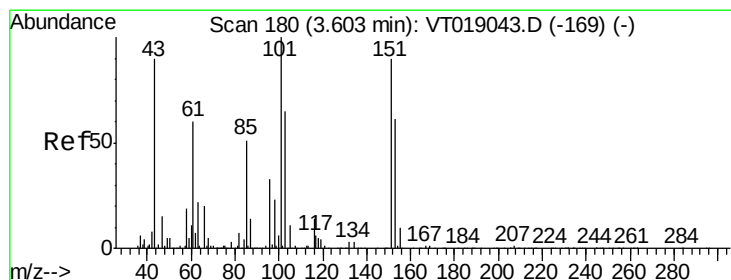
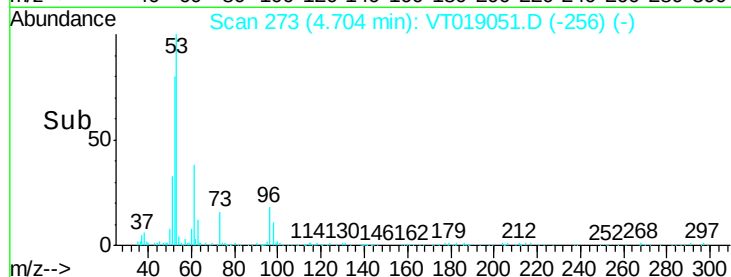
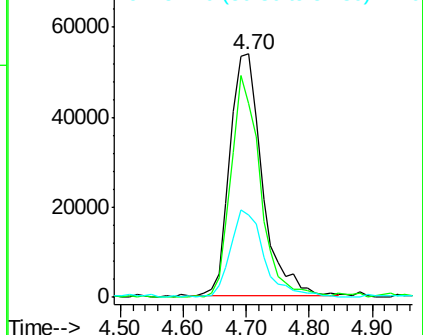
51 34.0 29.6 44.4



Abundance Ion 53.10 (52.80 to 53.80): VT0

Ion 52.10 (51.80 to 52.80): VT0

Ion 51.10 (50.80 to 51.80): VT0



#16

Acetone

Concen: 94.07 ug/l

RT: 3.59 min Scan# 179

Delta R.T. -0.01 min

Lab File: VT019051.D

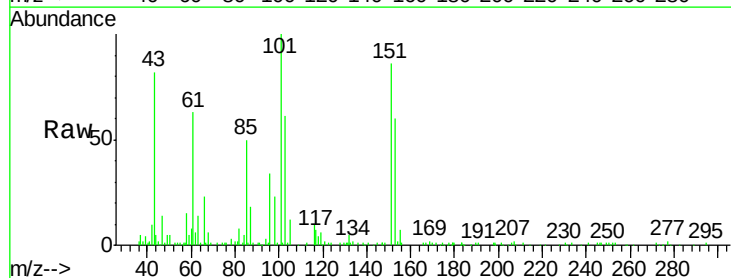
Acq: 9 May 2018 11:43

Tgt Ion: 43 Resp: 108411

Ion Ratio Lower Upper

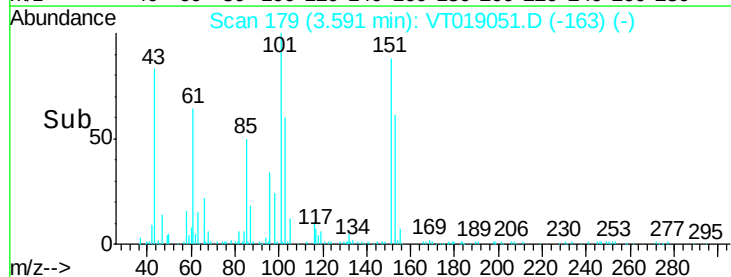
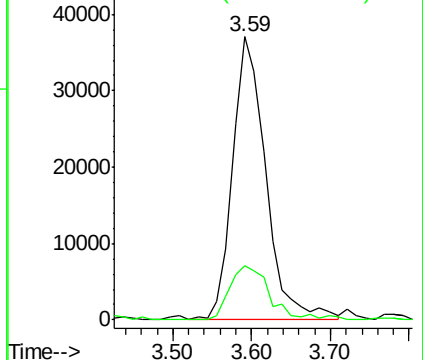
43 100

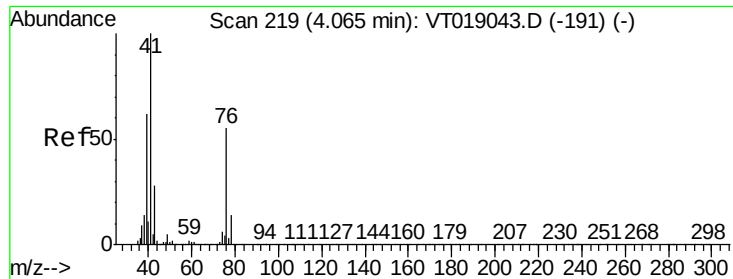
58 19.0 16.7 25.1



Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 58.10 (57.80 to 58.80): VT0





#17

Carbon Disulfide

Concen: 20.52 ug/l m

RT: 4.06 min Scan# 219

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

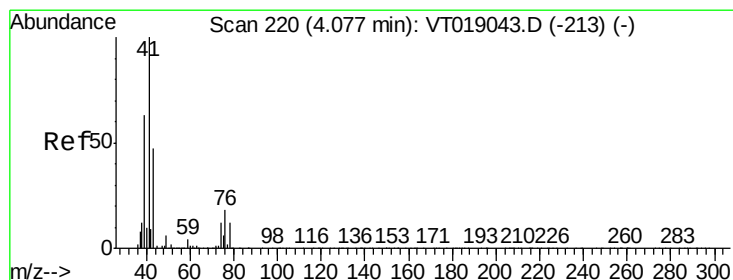
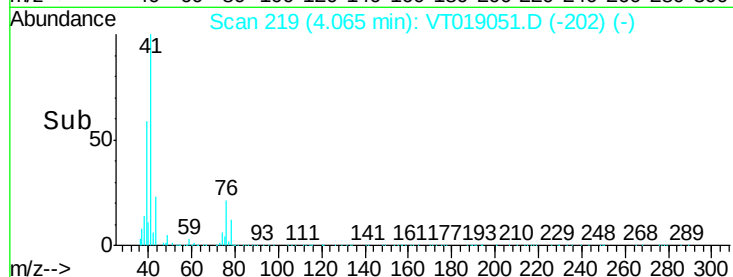
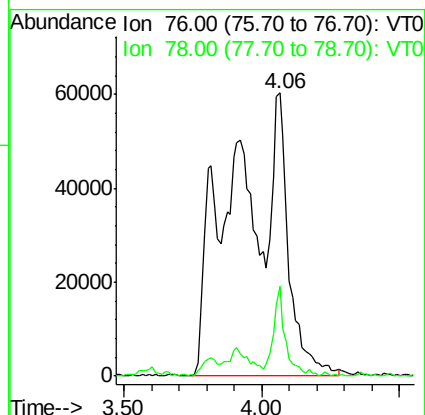
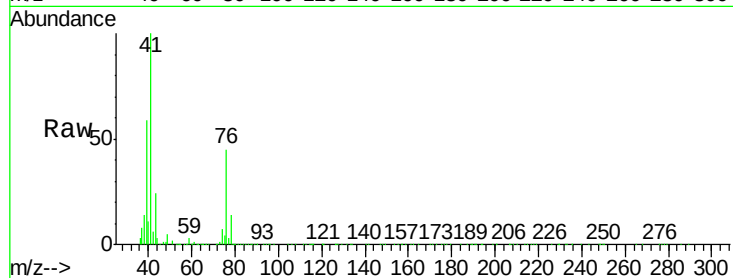
VT0509SBS01

Tot Ion: 76 Resp: 789515

Ion Ratio Lower Upper

76 100

78 31.9 19.8 29.8#



#18

Methyl Acetate

Concen: 17.09 ug/l

RT: 4.06 min Scan# 219

Delta R.T. -0.01 min

Lab File: VT019051.D

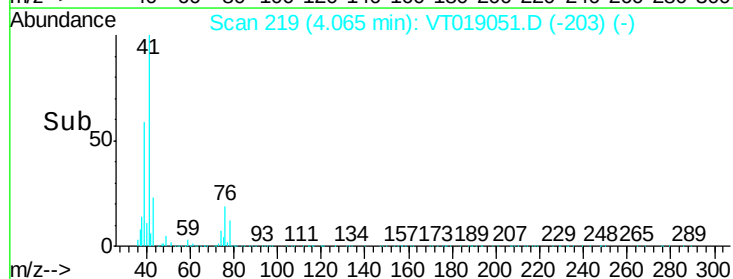
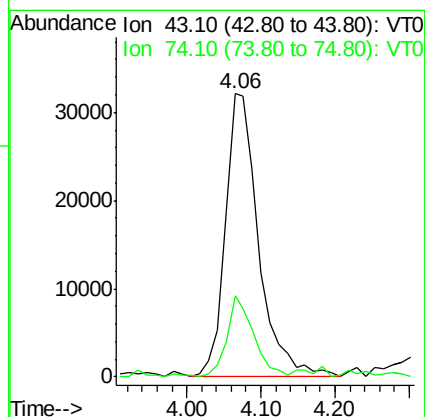
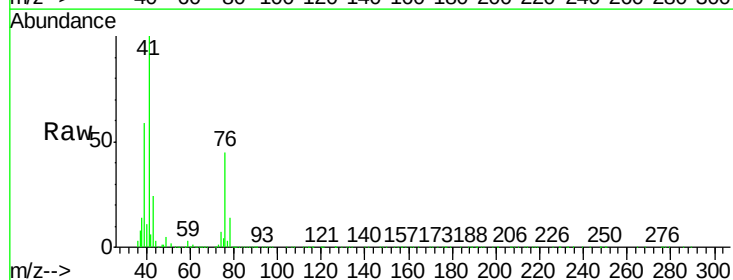
Acq: 9 May 2018 11:43

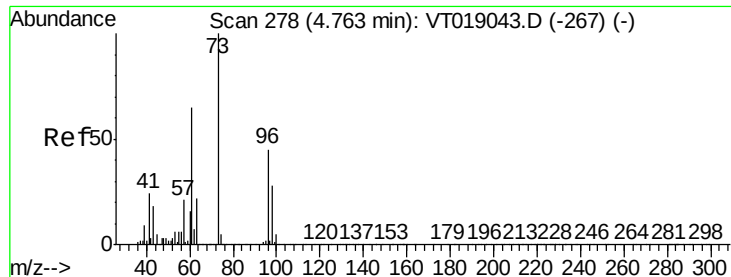
Tgt Ion: 43 Resp: 101182

Ion Ratio Lower Upper

43 100

74 28.5 19.8 29.8





#19

Methyl tert-butyl Ether

Concen: 18.41 ug/l

RT: 4.76 min Scan# 278

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

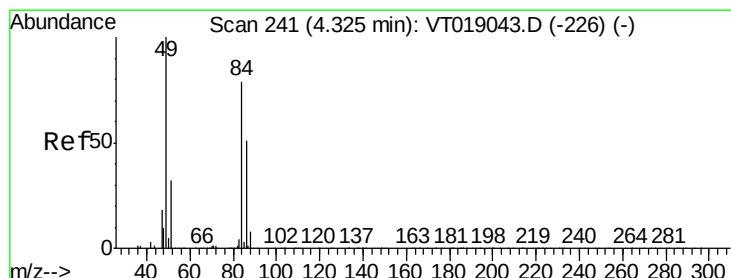
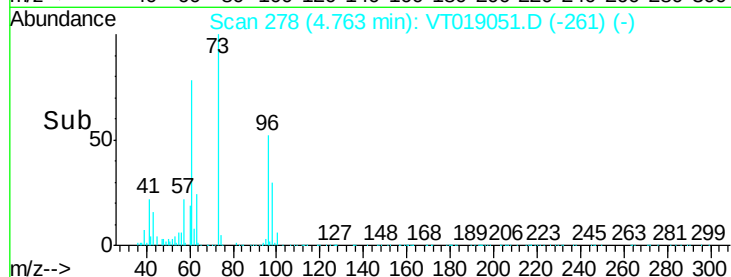
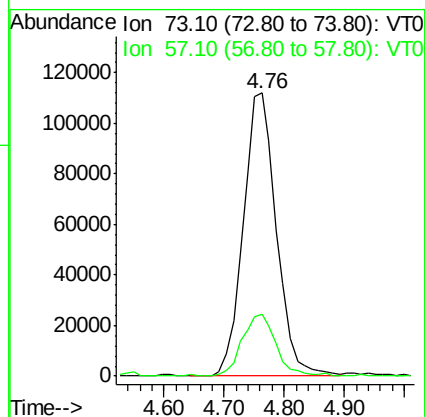
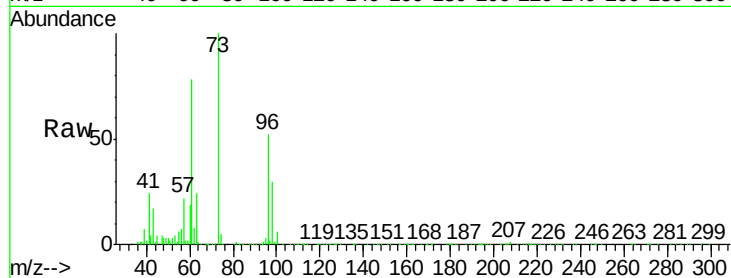
VT0509SBS01

Tot Ion: 73 Resp: 430044

Ion Ratio Lower Upper

73 100

57 21.9 16.6 25.0



#20

Methylene Chloride

Concen: 20.48 ug/l

RT: 4.28 min Scan# 237

Delta R.T. -0.05 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Tgt Ion: 84 Resp: 254180

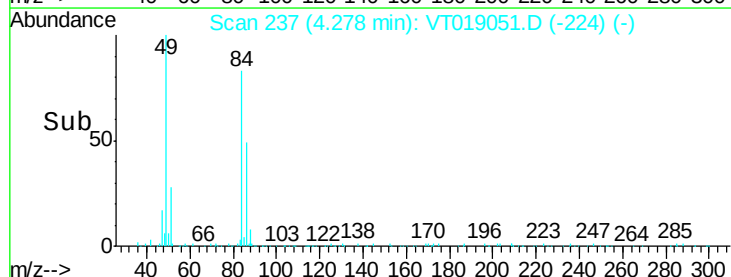
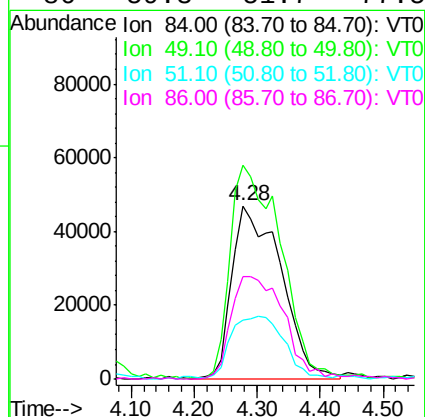
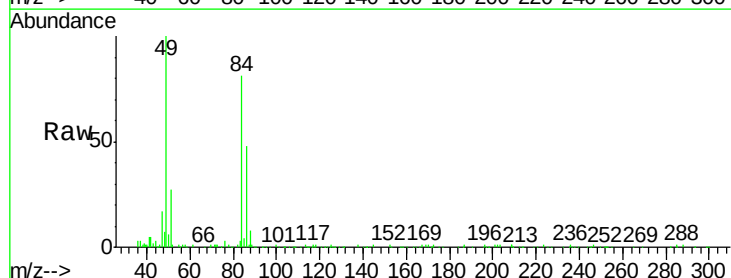
Ion Ratio Lower Upper

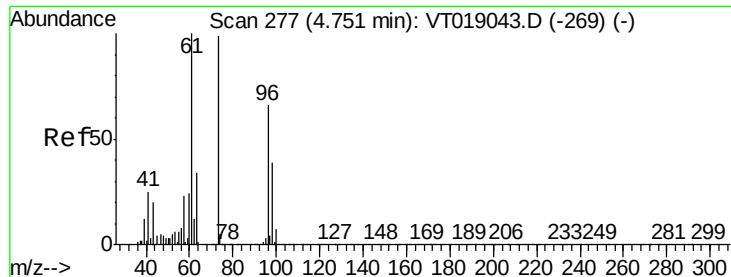
84 100

49 123.4 103.0 154.4

51 33.8 33.3 49.9

86 59.3 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 20.33 ug/l

RT: 4.74 min Scan# 276

Delta R.T. -0.01 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

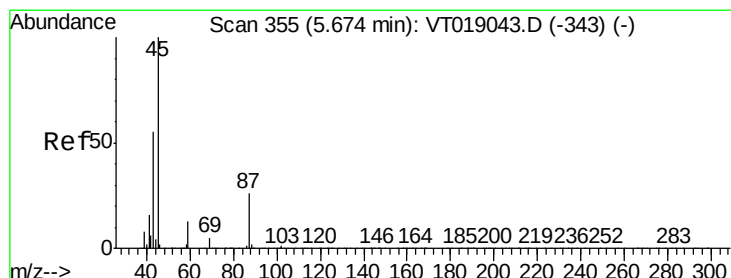
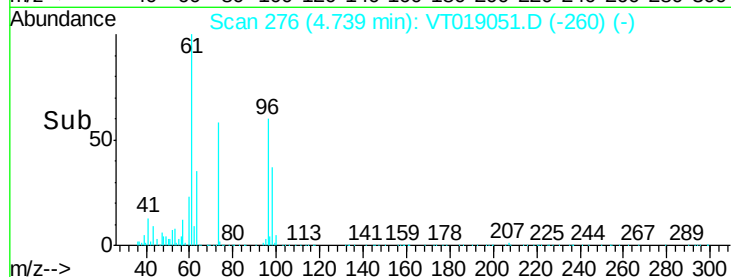
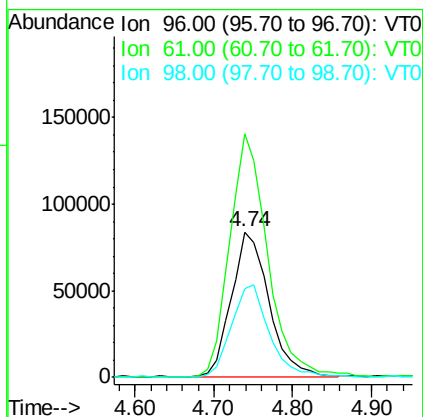
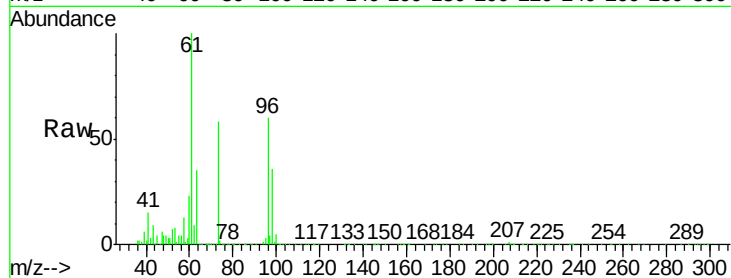
Tot Ion: 96 Resp: 279859

Ion Ratio Lower Upper

96 100

61 167.1 120.8 181.2

98 61.0 47.4 71.2



#22

Diisopropyl ether

Concen: 19.61 ug/l

RT: 5.67 min Scan# 355

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Tgt Ion: 45 Resp: 731786

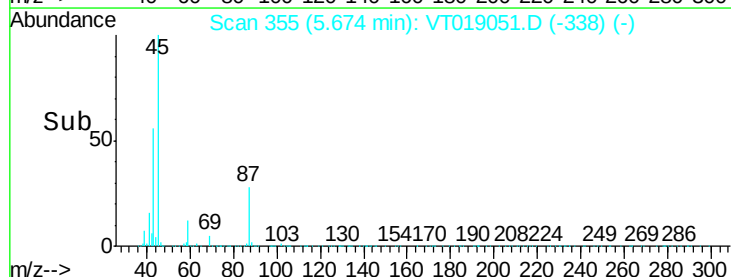
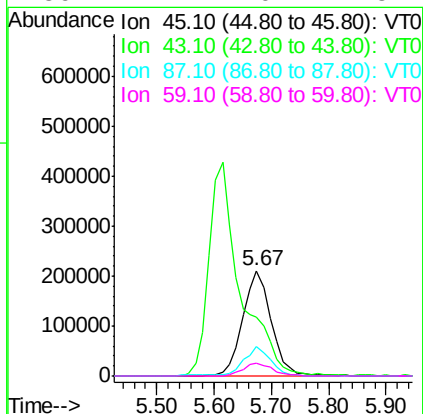
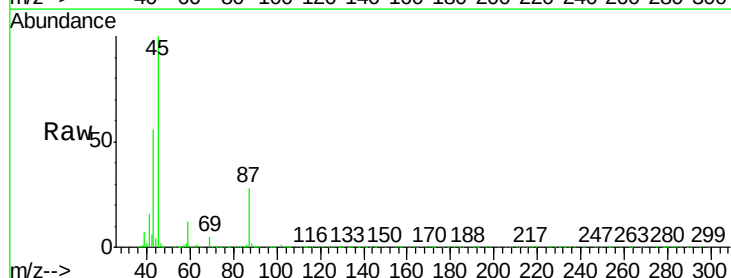
Ion Ratio Lower Upper

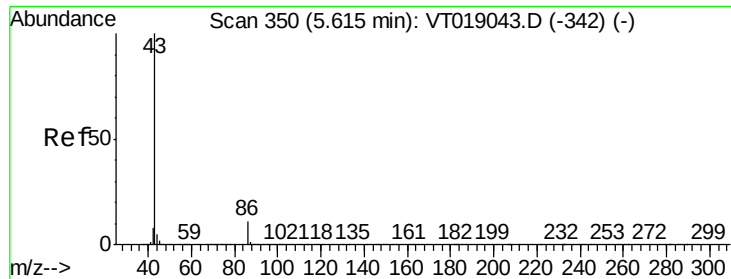
45 100

43 55.6 43.8 65.6

87 28.3 20.8 31.2

59 12.1 10.2 15.4

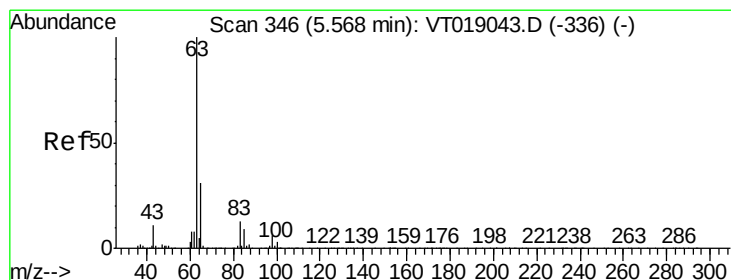
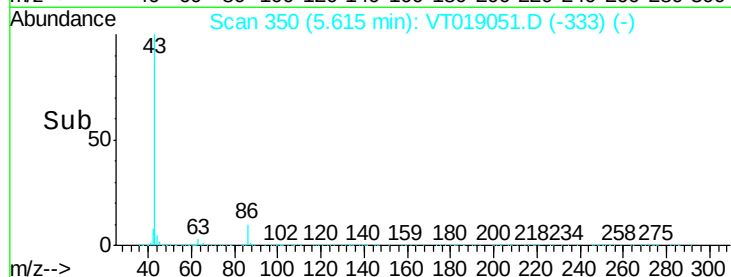
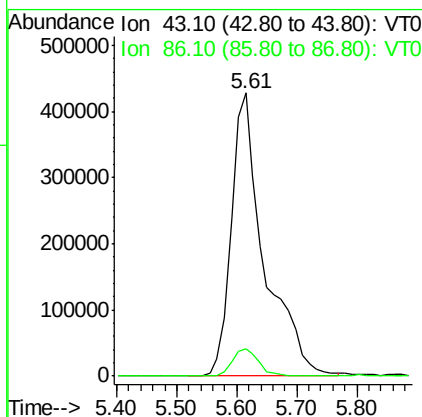
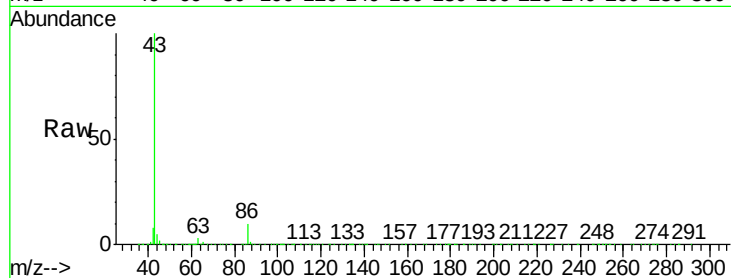




#23
 Vinyl Acetate
 Concen: 98.52 ug/l
 RT: 5.61 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VT019051.D
 Acq: 9 May 2018 11:43

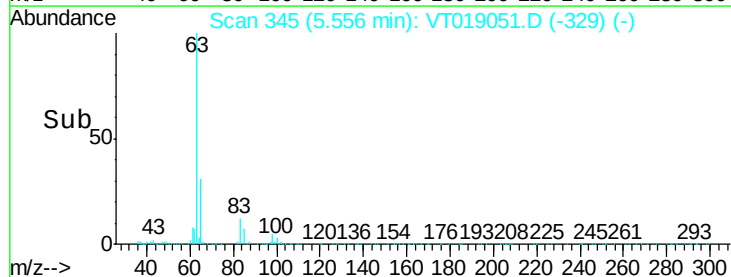
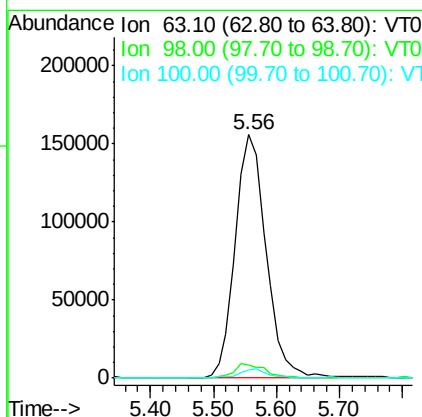
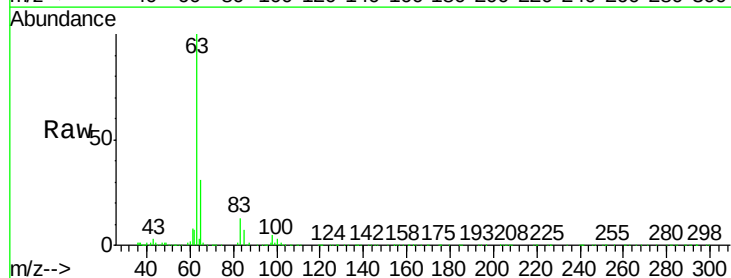
Instrument :
 MSVOA_T
 ClientSampleId :
 VT0509SBS01

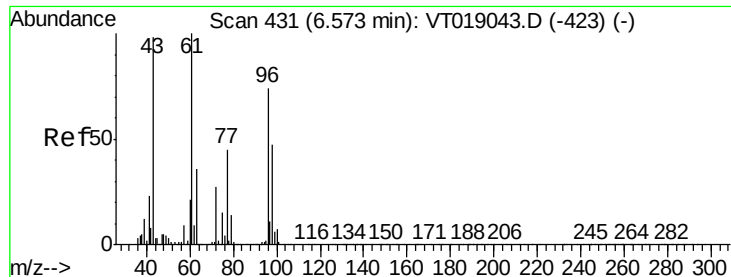
Tot Ion: 43 Resp: 1631603
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.37 ug/l
 RT: 5.56 min Scan# 345
 Delta R.T. -0.01 min
 Lab File: VT019051.D
 Acq: 9 May 2018 11:43

Tgt Ion: 63 Resp: 531490
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.8 8.4
 100 3.5 1.7 5.1





#25

2-Butanone

Concen: 89.05 ug/l

RT: 6.57 min Scan# 431

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

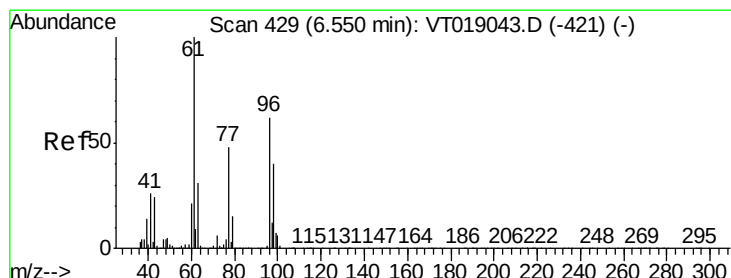
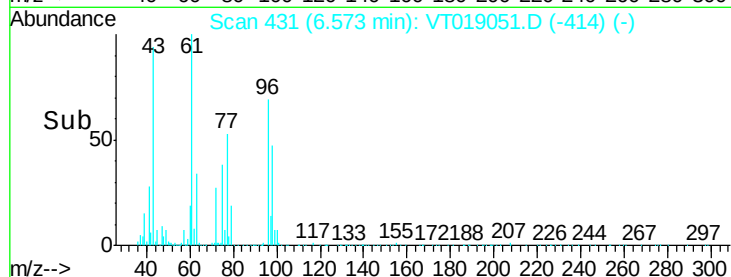
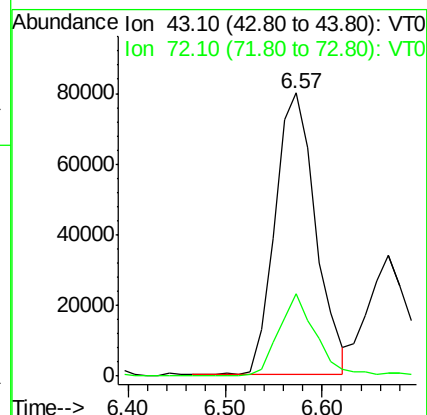
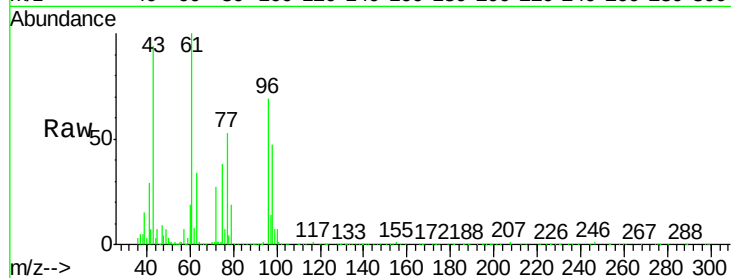
VT0509SBS01

Tot Ion: 43 Resp: 231108

Ion Ratio Lower Upper

43 100

72 29.9 22.1 33.1



#26

2,2-Dichloropropane

Concen: 23.54 ug/l

RT: 6.55 min Scan# 429

Delta R.T. -0.00 min

Lab File: VT019051.D

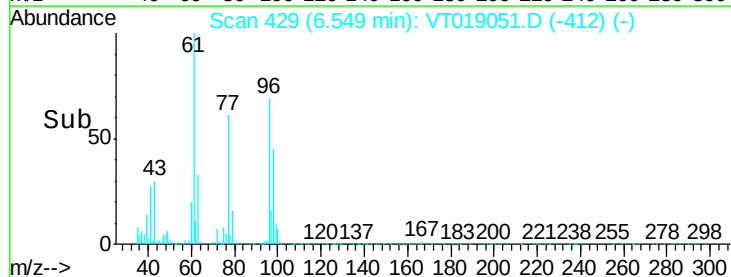
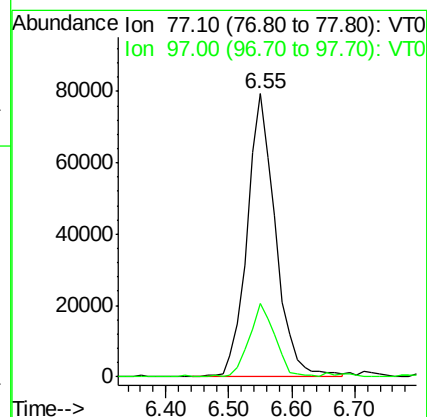
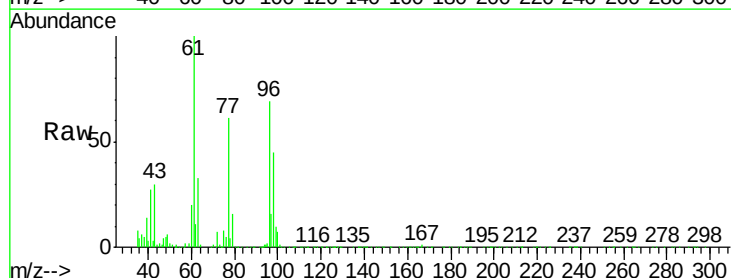
Acq: 9 May 2018 11:43

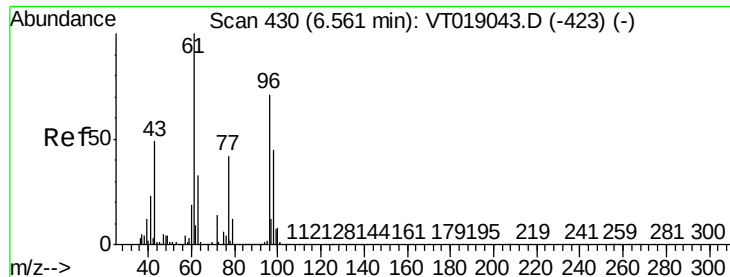
Tgt Ion: 77 Resp: 247796

Ion Ratio Lower Upper

77 100

97 25.8 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 20.34 ug/l

RT: 6.56 min Scan# 430

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

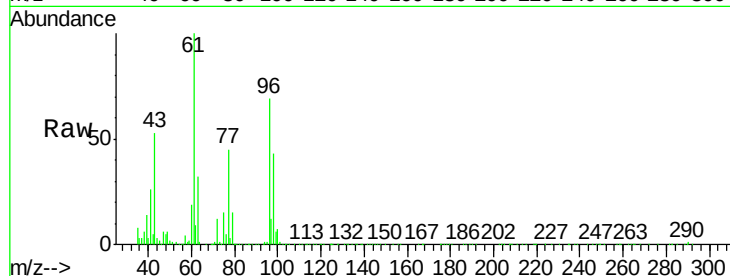
Tot Ion: 96 Resp: 275134

Ion Ratio Lower Upper

96 100

61 144.9 0.0 282.0

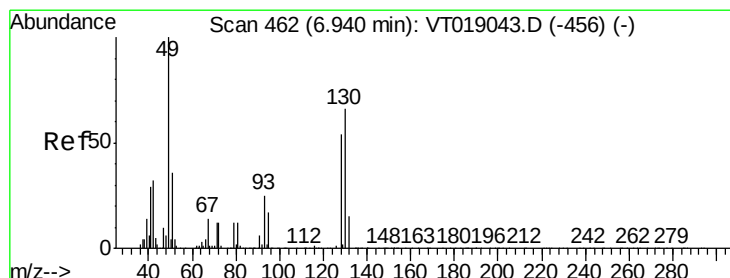
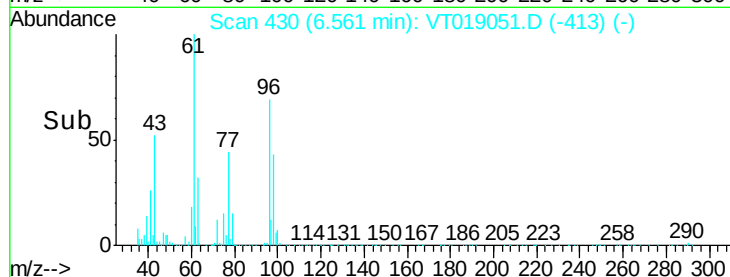
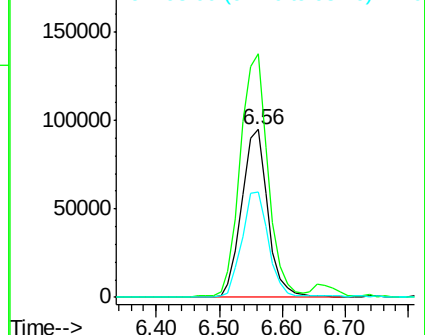
98 62.8 0.0 125.8



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: 19.24 ug/l

RT: 6.93 min Scan# 461

Delta R.T. -0.01 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

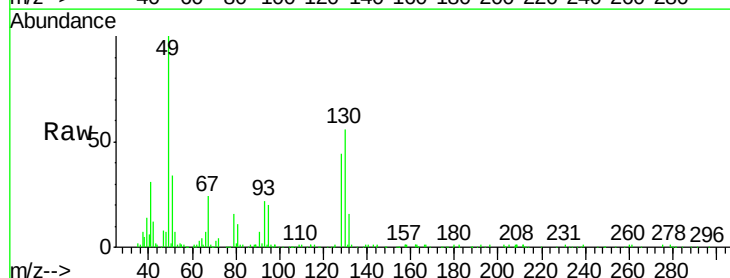
Tgt Ion: 49 Resp: 166677

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

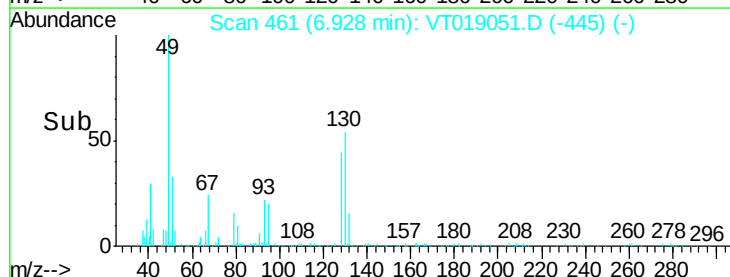
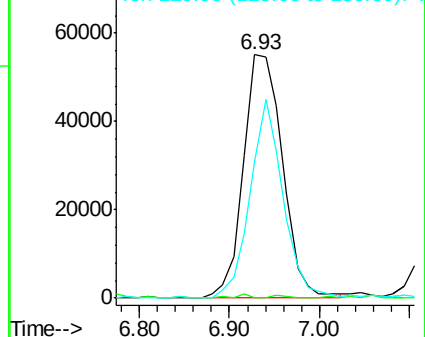
130 55.7 52.4 78.6

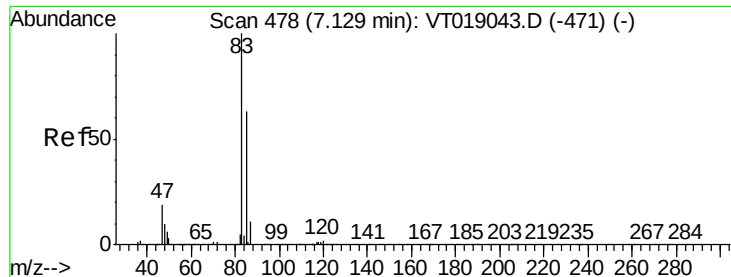


Abundance Ion 49.10 (48.80 to 49.80): VT0

Ion 129.00 (128.70 to 129.70): V

Ion 129.90 (129.60 to 130.60): V

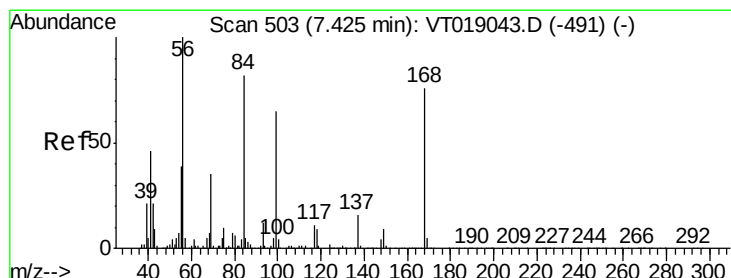
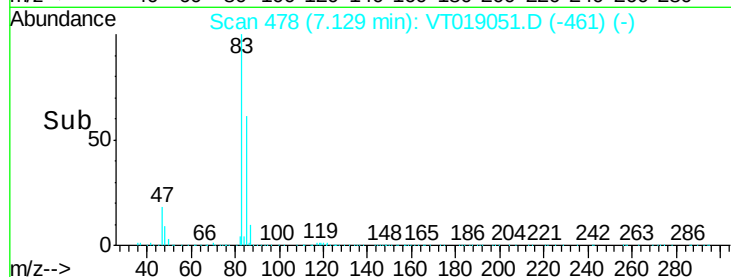
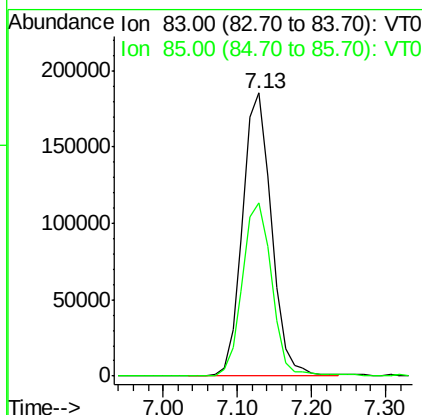
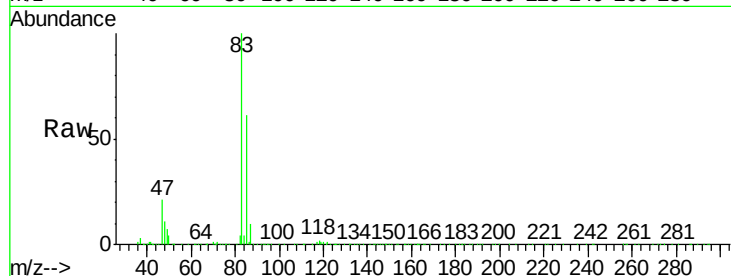




#29
Chloroform
Concen: 20.56 ug/l
RT: 7.13 min Scan# 478
Delta R.T. -0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

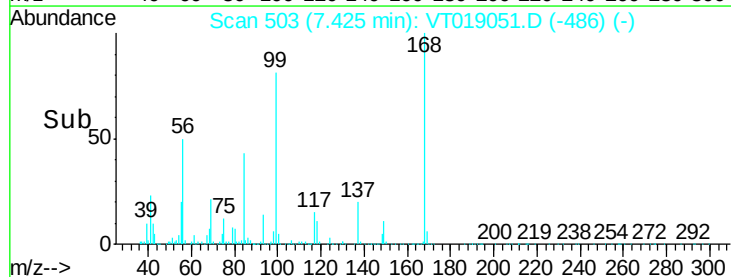
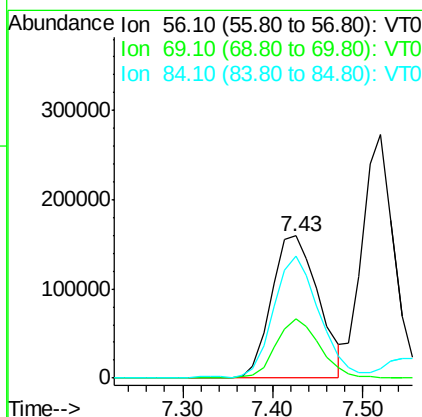
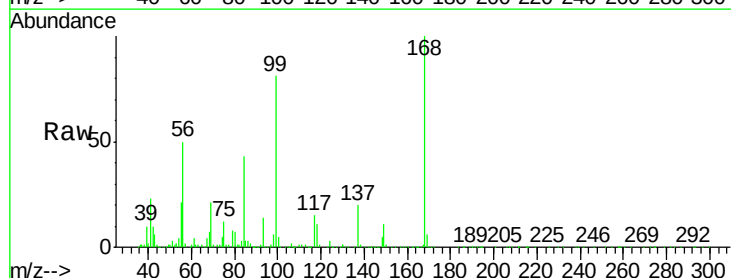
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBS01

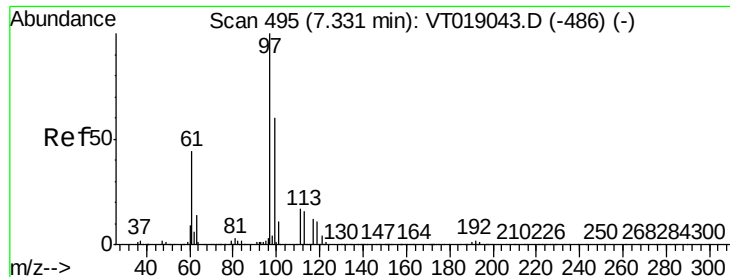
Tot Ion: 83 Resp: 501915
Ion Ratio Lower Upper
83 100
85 61.2 50.6 76.0



#30
Cyclohexane
Concen: 20.57 ug/l
RT: 7.43 min Scan# 503
Delta R.T. -0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

Tgt Ion: 56 Resp: 581762
Ion Ratio Lower Upper
56 100
69 41.3 28.2 42.2
84 85.7 65.6 98.4





#31

1,1,1-Trichloroethane

Concen: 21.10 ug/l

RT: 7.33 min Scan# 495

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

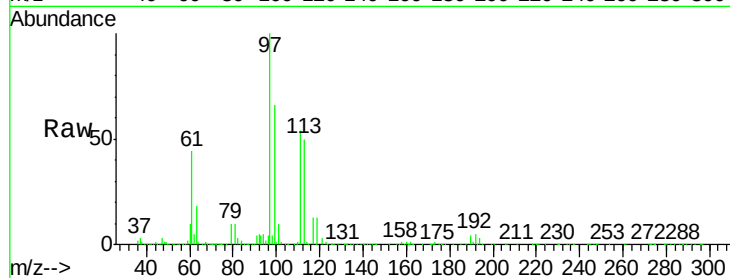
Tot Ion: 97 Resp: 398007

Ion Ratio Lower Upper

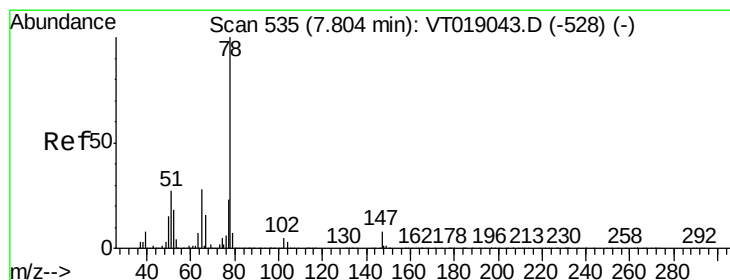
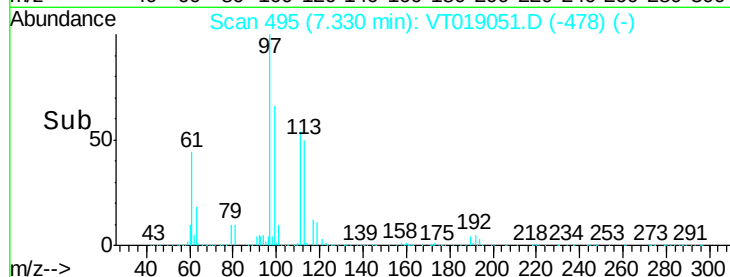
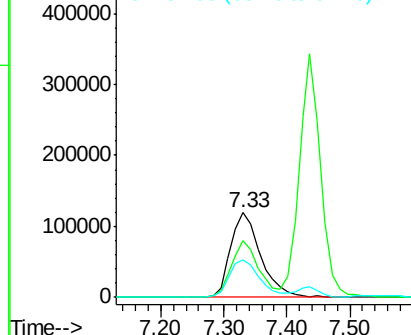
97 100

99 66.3 47.6 71.4

61 44.4 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: 48.16 ug/l

RT: 7.80 min Scan# 535

Delta R.T. -0.00 min

Lab File: VT019051.D

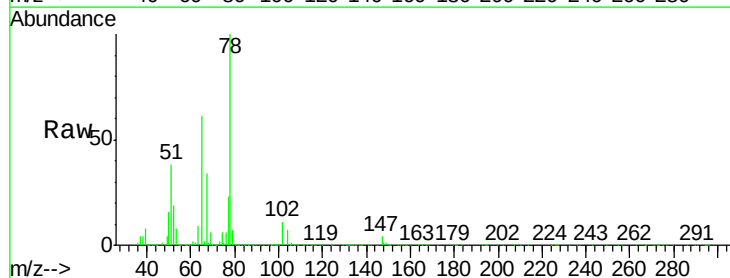
Acq: 9 May 2018 11:43

Tgt Ion: 65 Resp: 522889

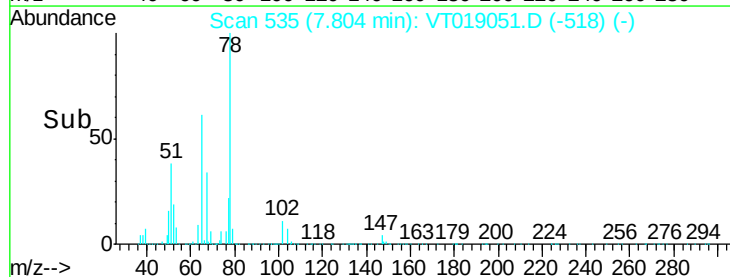
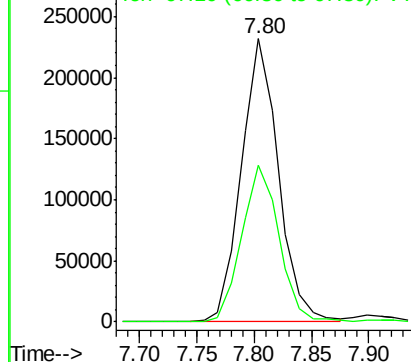
Ion Ratio Lower Upper

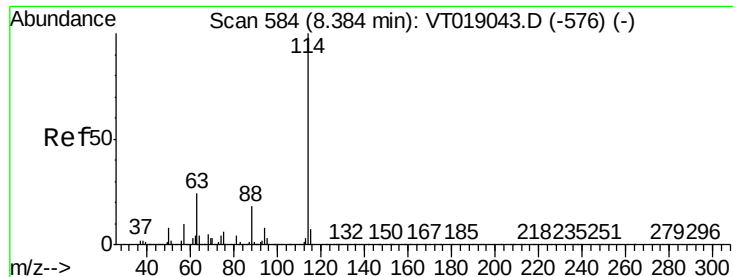
65 100

67 55.4 0.0 114.2



Abundance Ion 65.10 (64.80 to 65.80): VT0
Ion 67.10 (66.80 to 67.80): VT0

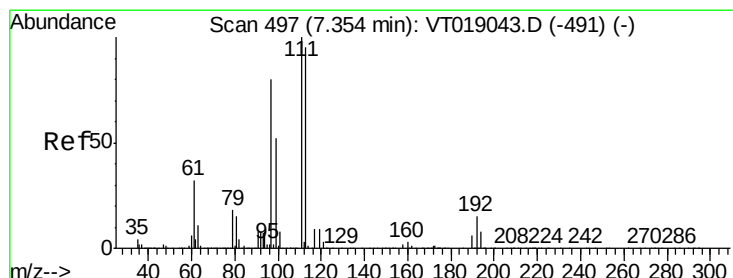
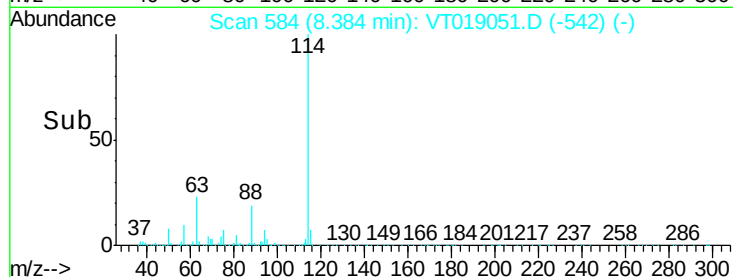
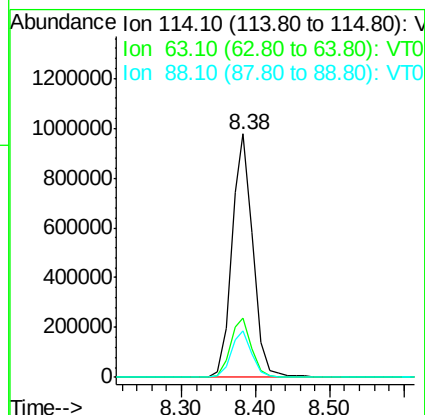
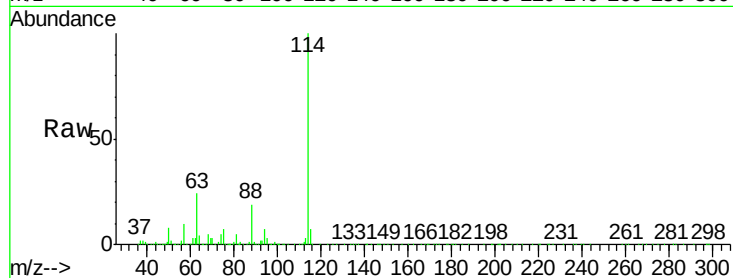




#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.38 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: VT019051.D
 Acq: 9 May 2018 11:43

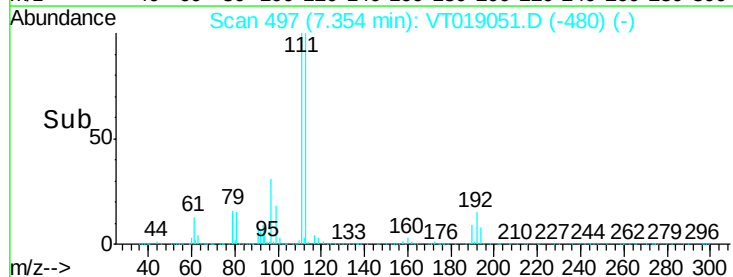
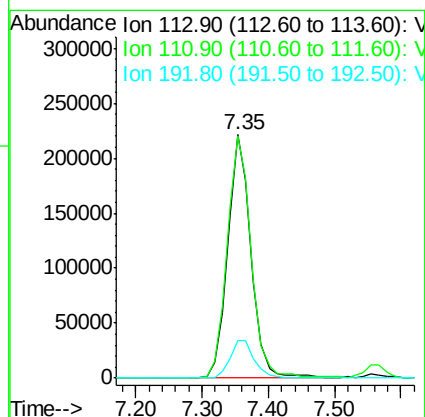
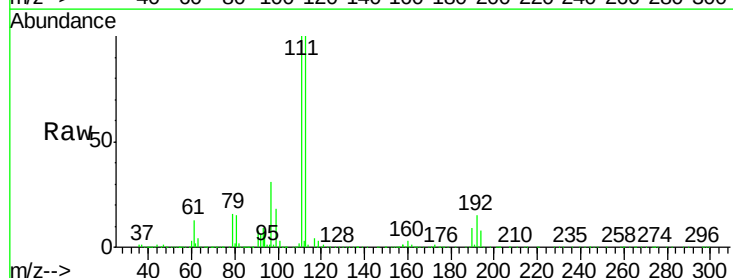
Instrument :
 MSVOA_T
 ClientSampleId :
 VT0509SBS01

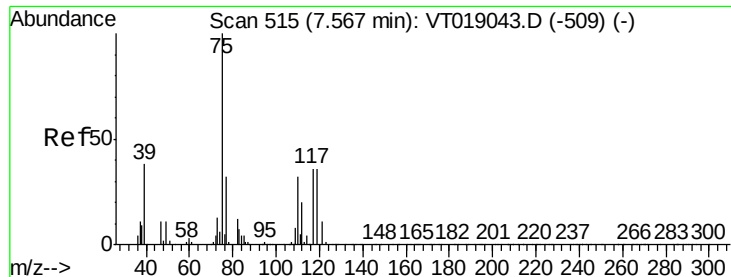
Tot Ion:114 Resp: 1939838
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 48.8
 88 18.9 0.0 37.0



#34
 Dibromofluoromethane
 Concen: 50.41 ug/l
 RT: 7.35 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VT019051.D
 Acq: 9 May 2018 11:43

Tgt Ion:113 Resp: 547632
 Ion Ratio Lower Upper
 113 100
 111 99.5 84.0 126.0
 192 15.2 12.9 19.3





#35

1,1-Dichloropropene

Concen: 20.92 ug/l

RT: 7.56 min Scan# 514

Delta R.T. -0.01 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

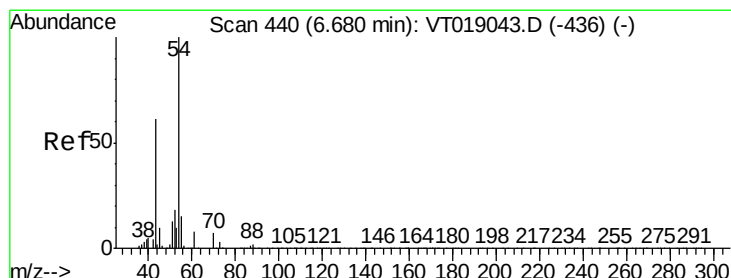
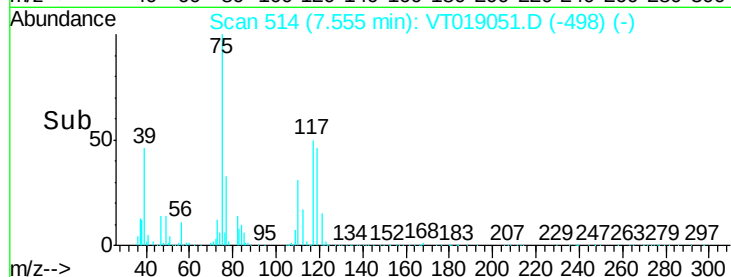
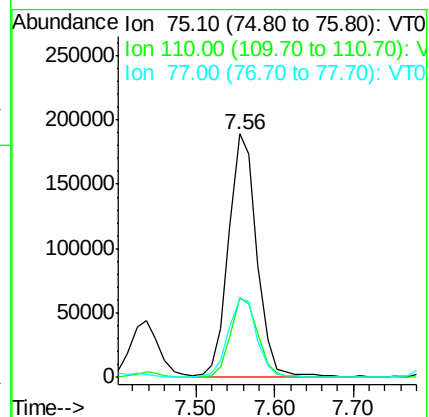
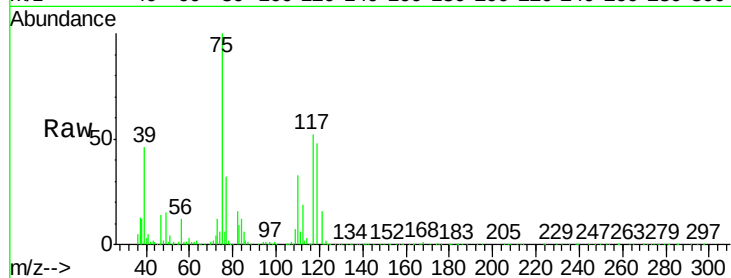
Tot Ion: 75 Resp: 467645

Ion Ratio Lower Upper

75 100

110 32.9 15.9 47.6

77 32.4 25.9 38.9



#36

Ethyl Acetate

Concen: 17.49 ug/l

RT: 6.67 min Scan# 439

Delta R.T. -0.01 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

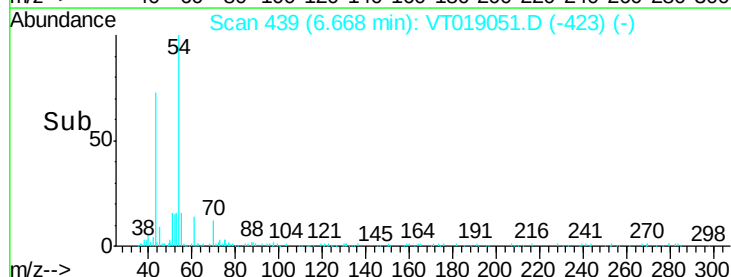
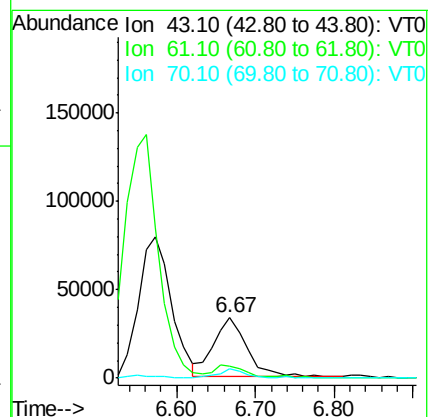
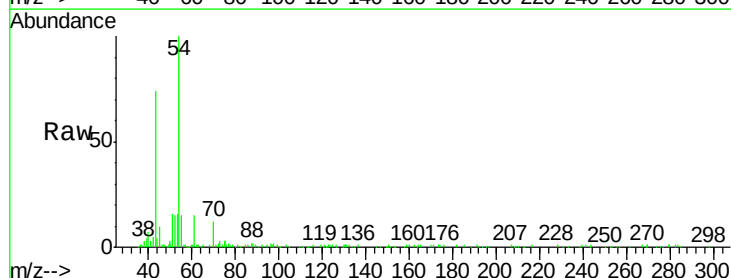
Tgt Ion: 43 Resp: 100737

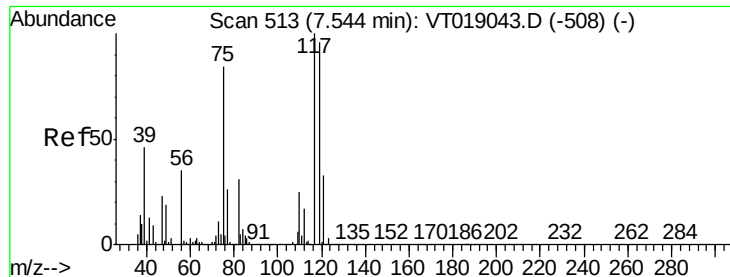
Ion Ratio Lower Upper

43 100

61 20.5 14.2 21.2

70 16.1 8.4 12.6#





#37

Carbon Tetrachloride

Concen: 19.33 ug/l

RT: 7.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

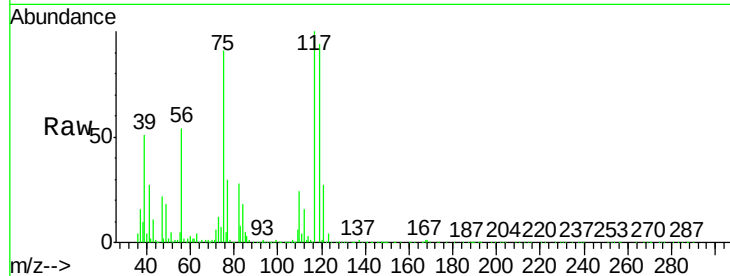
Tot Ion:117 Resp: 353174

Ion Ratio Lower Upper

117 100

119 94.0 76.5 114.7

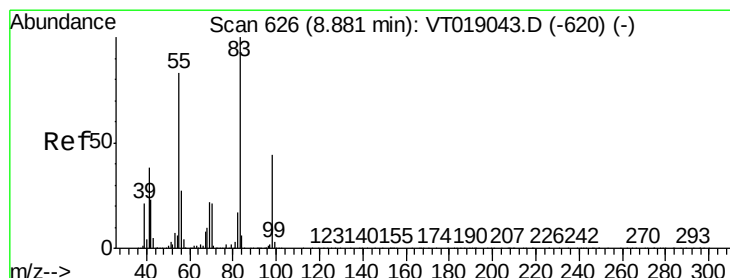
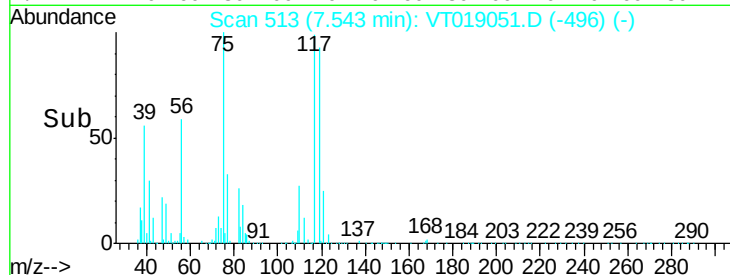
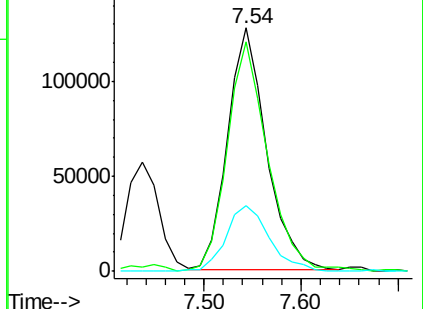
121 26.9 26.0 39.0



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: 21.62 ug/l

RT: 8.88 min Scan# 626

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

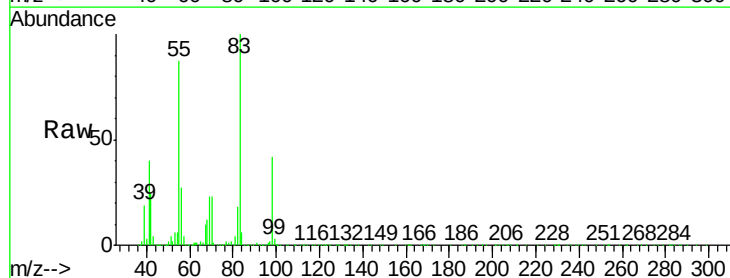
Tgt Ion: 83 Resp: 576935

Ion Ratio Lower Upper

83 100

55 86.5 66.7 100.1

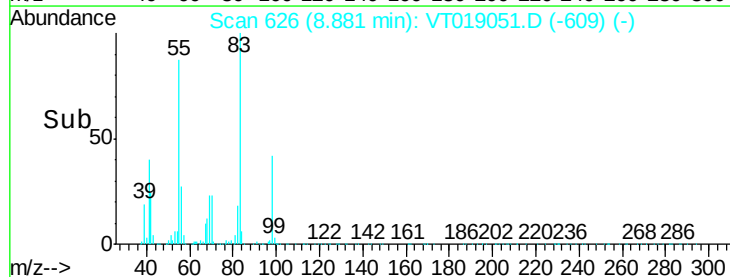
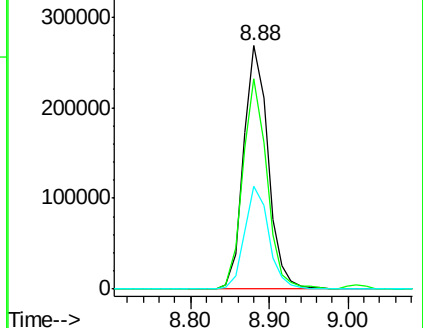
98 42.1 35.5 53.3

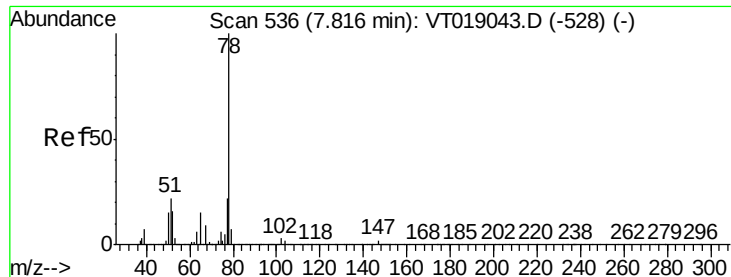


Abundance Ion 83.10 (82.80 to 83.80): VT0

Ion 55.10 (54.80 to 55.80): VT0

Ion 98.10 (97.80 to 98.80): VT0





#39

Benzene

Concen: 20.78 ug/l

RT: 7.82 min Scan# 536

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

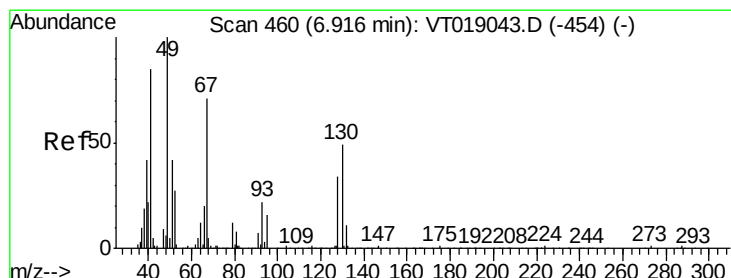
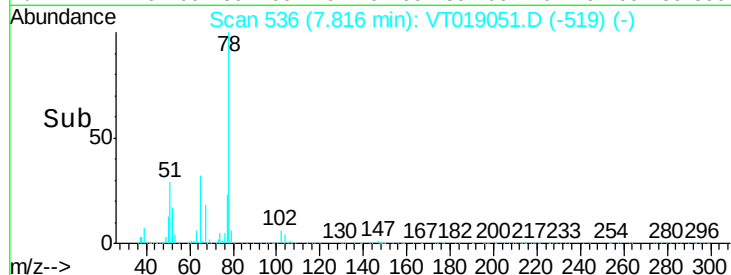
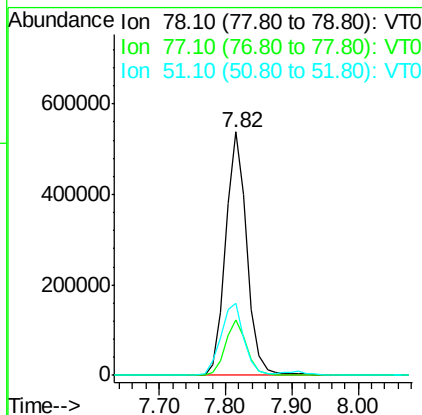
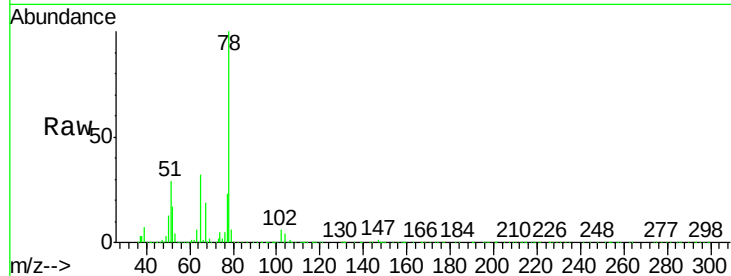
MSVOA_T

ClientSampleId :

VT0509SBS01

Tot Ion: 78 Resp: 1213693

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.0	27.0
51	29.5	17.3	25.9#



#40

Methacrylonitrile

Concen: 20.14 ug/l

RT: 6.90 min Scan# 459

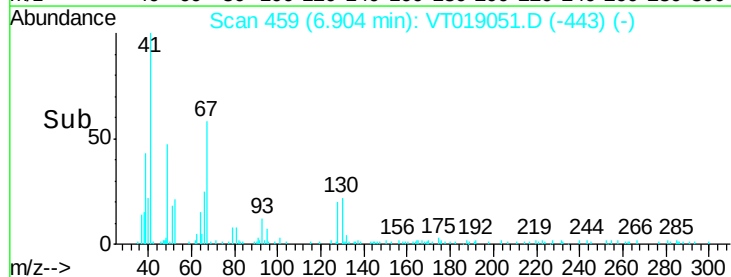
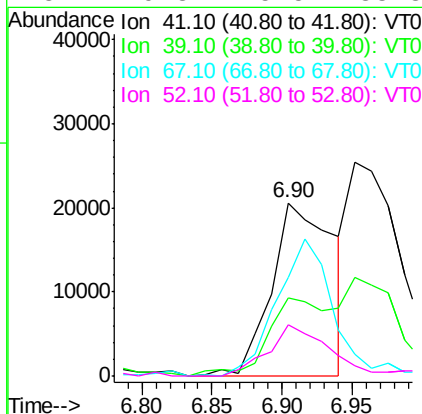
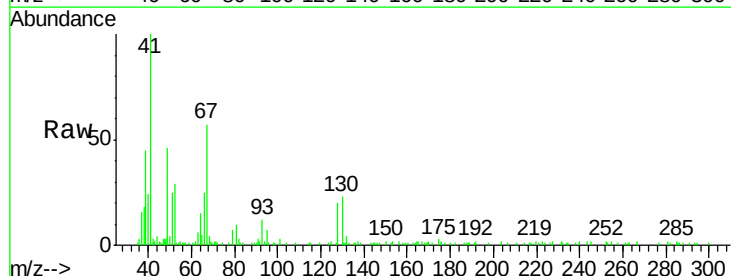
Delta R.T. -0.01 min

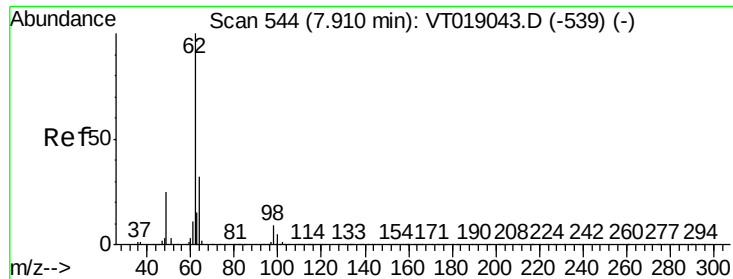
Lab File: VT019051.D

Acq: 9 May 2018 11:43

Tgt Ion: 41 Resp: 63404

Ion	Ratio	Lower	Upper
41	100		
39	45.1	39.4	59.0
67	56.6	66.8	100.2#
52	29.3	25.5	38.3





#41

1,2-Dichloroethane

Concen: 19.14 ug/l

RT: 7.91 min Scan# 544

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

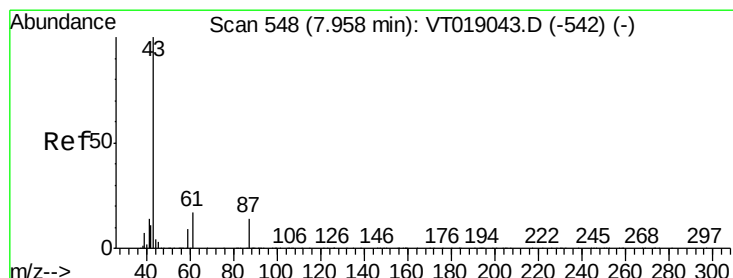
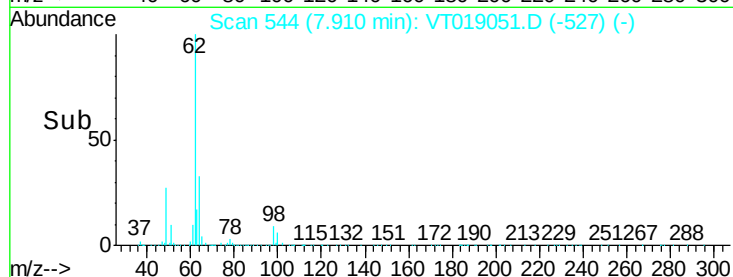
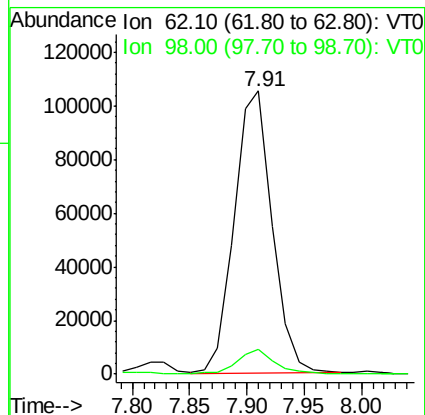
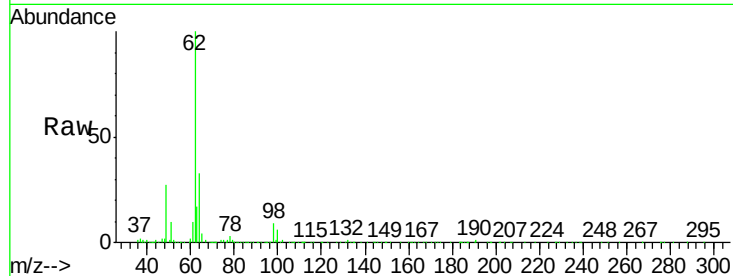
VT0509SBS01

Tot Ion: 62 Resp: 242770

Ion Ratio Lower Upper

62 100

98 8.9 0.0 17.4



#42

Isopropyl Acetate

Concen: 17.54 ug/l

RT: 7.96 min Scan# 548

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

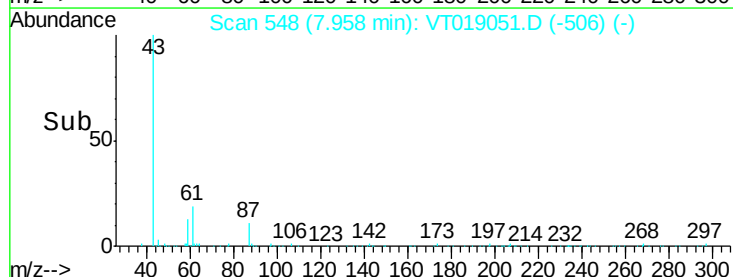
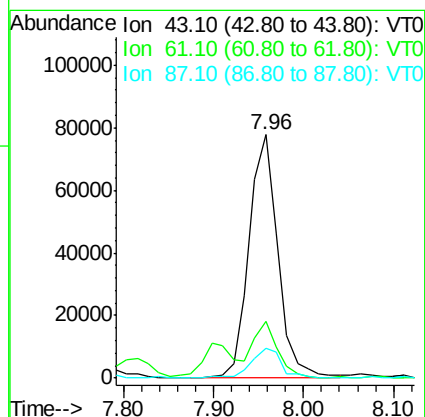
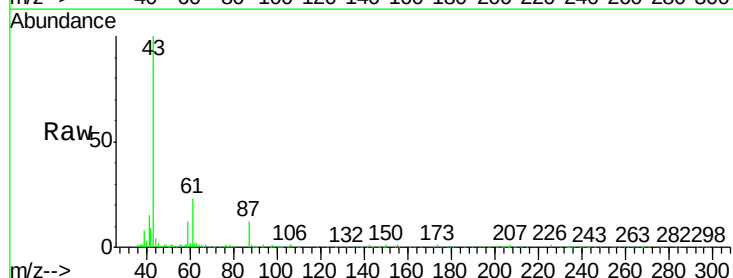
Tgt Ion: 43 Resp: 174004

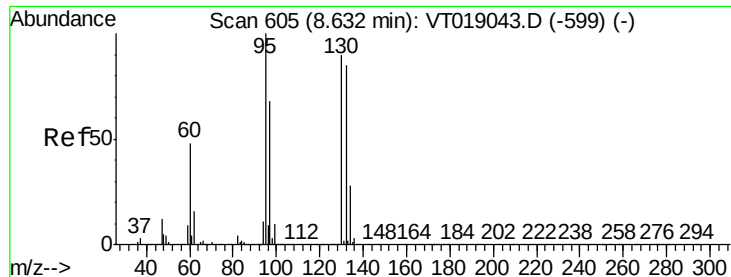
Ion Ratio Lower Upper

43 100

61 23.3 17.9 26.9

87 12.2 11.0 16.6

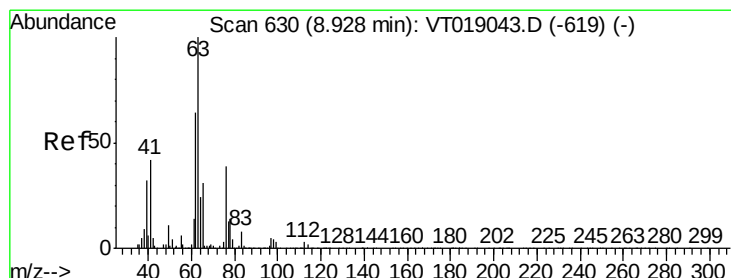
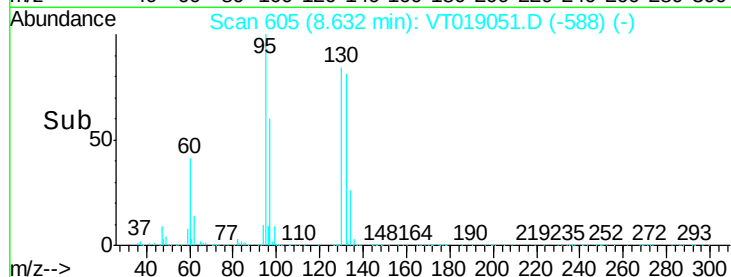
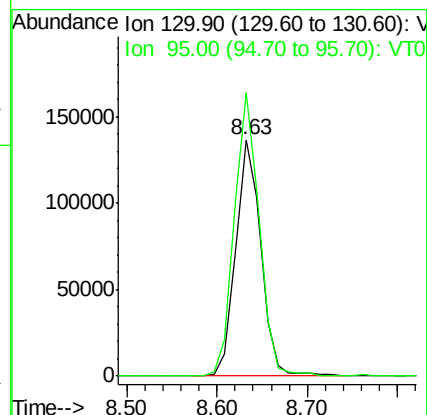
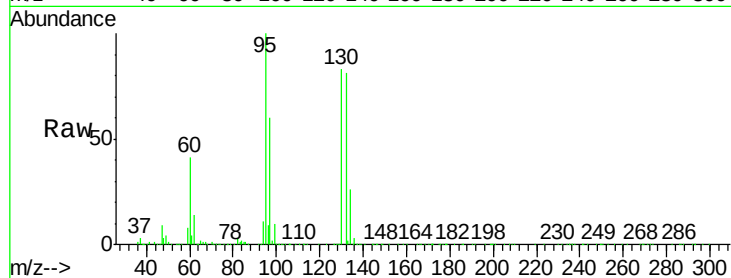




#43
 Trichloroethene
 Concen: 19.79 ug/l
 RT: 8.63 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VT019051.D
 Acq: 9 May 2018 11:43

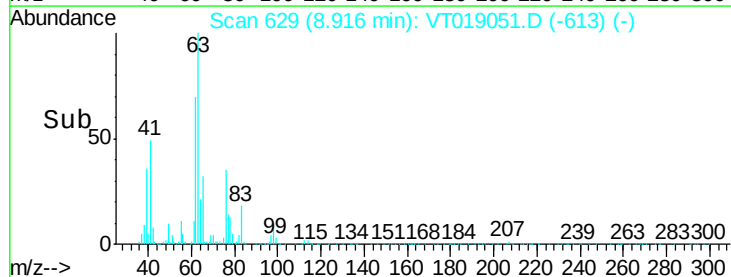
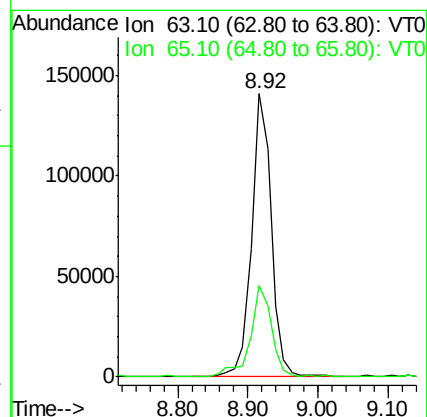
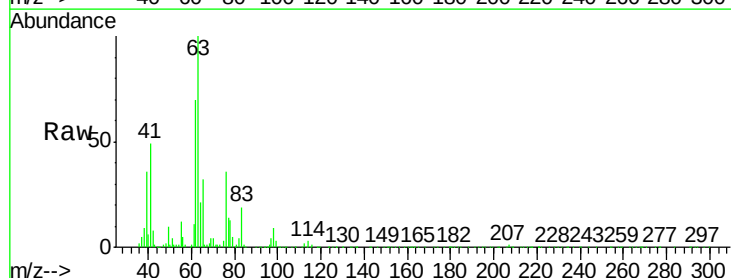
Instrument :
 MSVOA_T
 ClientSampleId :
 VT0509SBS01

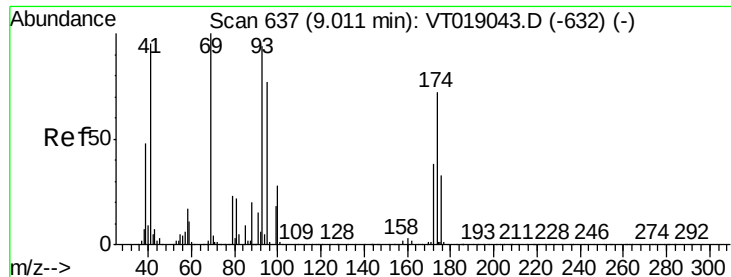
Tot Ion:130 Resp: 265874
 Ion Ratio Lower Upper
 130 100
 95 119.9 0.0 222.6



#44
 1,2-Dichloropropane
 Concen: 20.25 ug/l
 RT: 8.92 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: VT019051.D
 Acq: 9 May 2018 11:43

Tgt Ion: 63 Resp: 277269
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.0 37.4

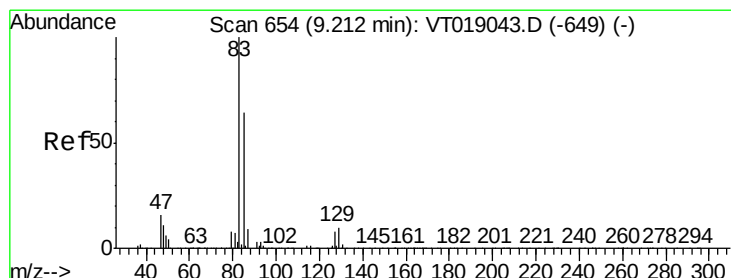
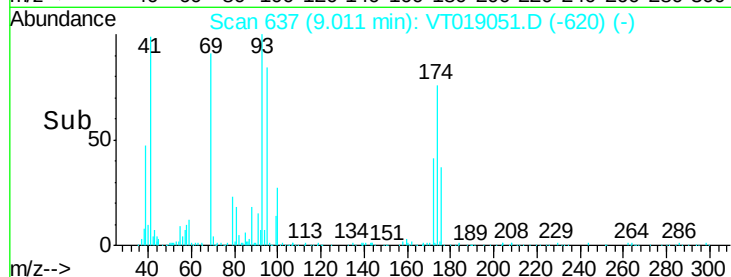
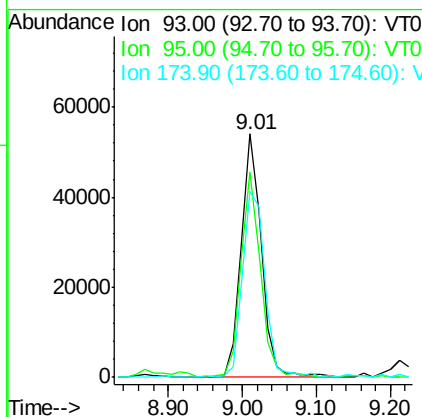
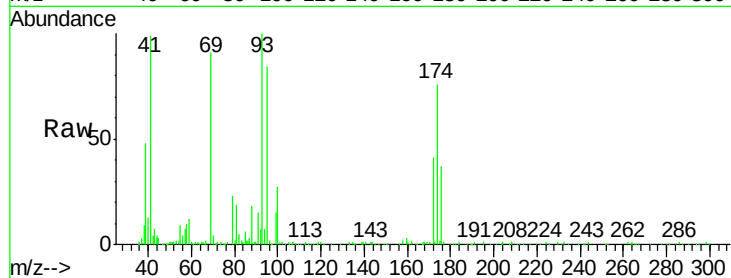




#45
Dibromomethane
Concen: 19.12 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

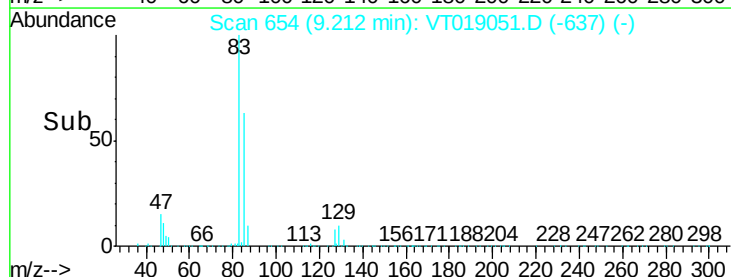
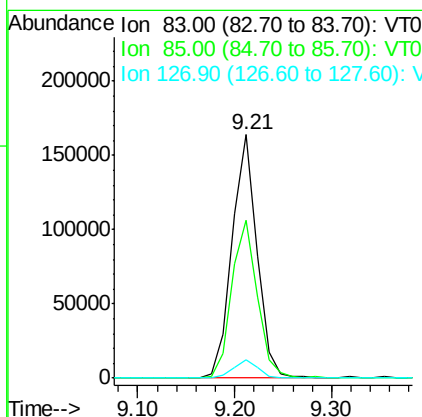
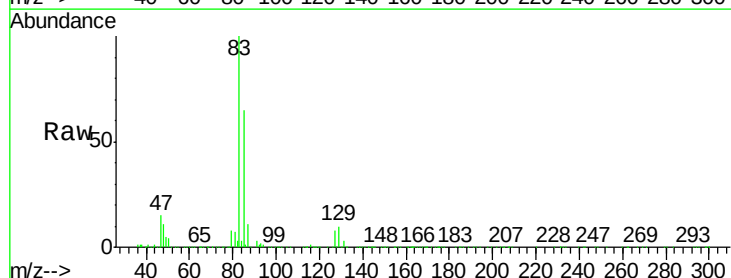
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBS01

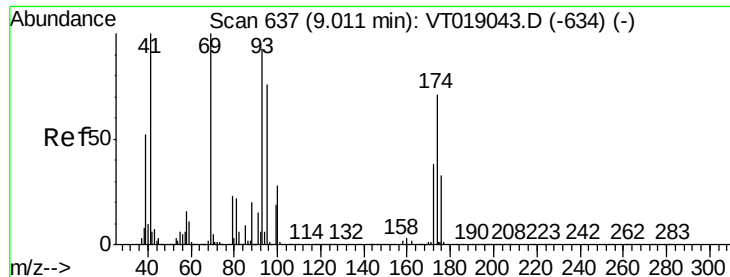
Tot Ion	Ratio	Lower	Upper
93	100		
95	84.5	65.5	98.3
174	76.2	60.9	91.3



#46
Bromodichloromethane
Concen: 18.82 ug/l
RT: 9.21 min Scan# 654
Delta R.T. -0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.3	76.9
127	7.8	6.1	9.1

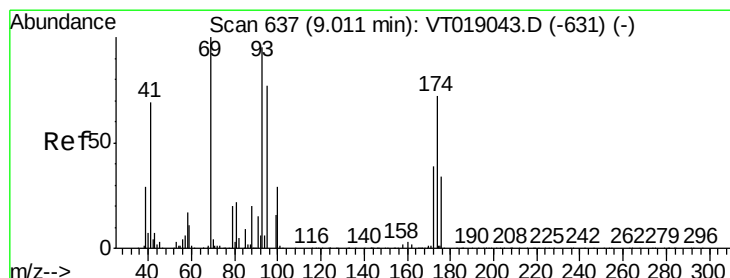
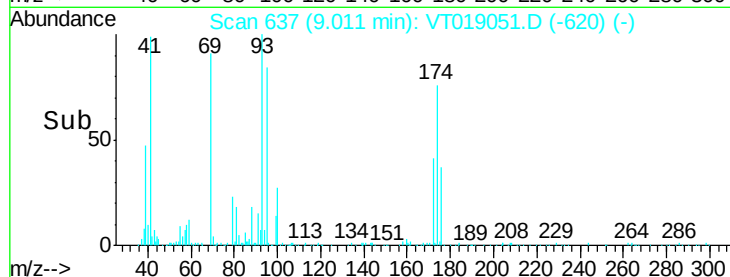
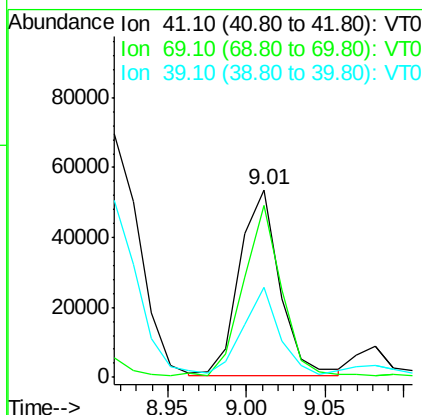
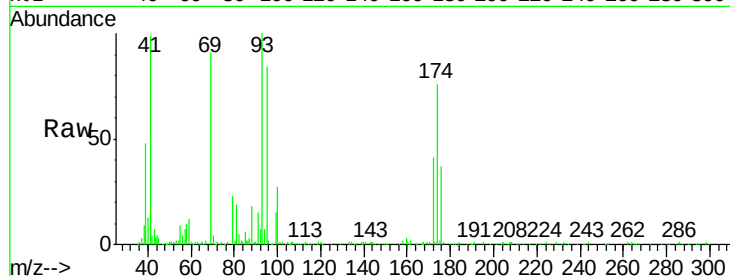




#47
Methvl methacrylate
Concen: 18.49 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

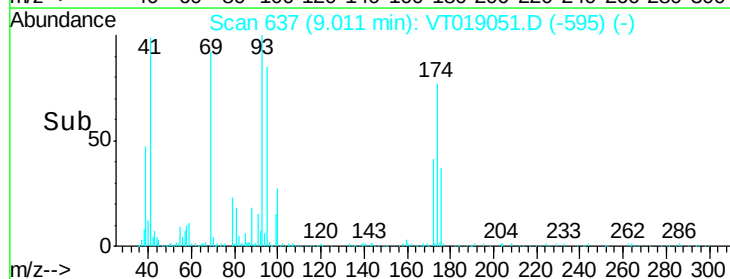
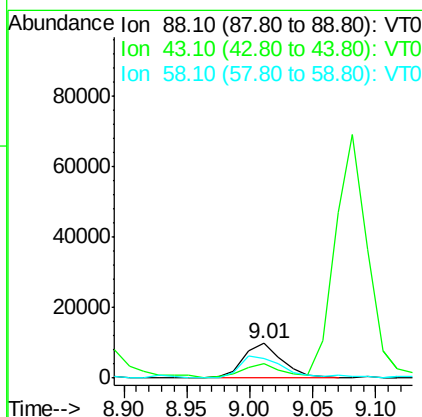
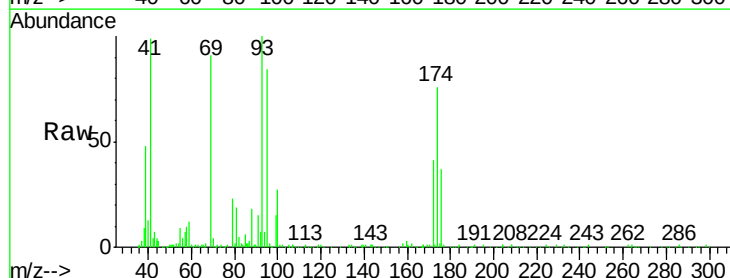
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBS01

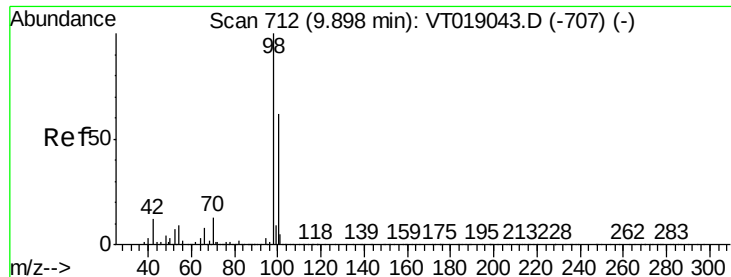
Tot Ion: 41 Resp: 94784
Ion Ratio Lower Upper
41 100
69 91.7 78.4 117.6
39 48.1 41.4 62.2



#48
1,4-Dioxane
Concen: 339.46 ug/l
RT: 9.01 min Scan# 637
Delta R.T. 0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

Tgt Ion: 88 Resp: 21467
Ion Ratio Lower Upper
88 100
43 40.7 30.5 45.7
58 55.5 67.5 101.3#





#49

Toluene-d8

Concen: 54.02 ug/l

RT: 9.90 min Scan# 712

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

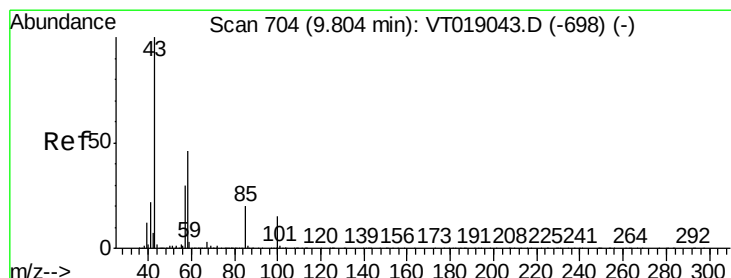
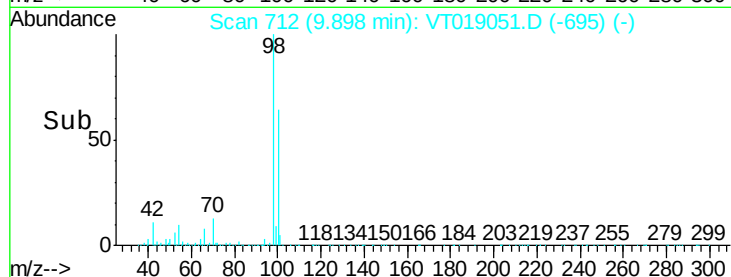
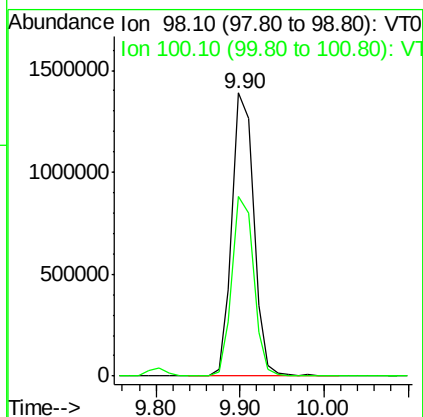
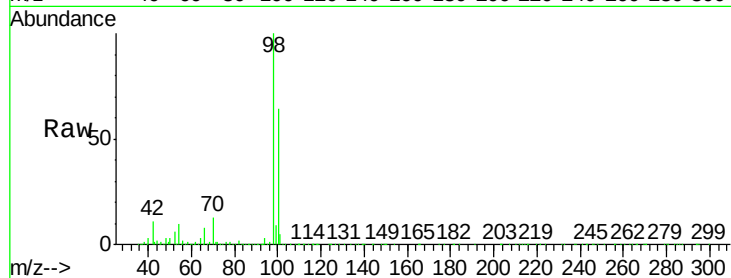
VT0509SBS01

Tot Ion: 98 Resp: 2517508

Ion Ratio Lower Upper

98 100

100 63.5 50.0 75.0



#50

4-Methyl-2-Pentanone

Concen: 87.97 ug/l

RT: 9.80 min Scan# 704

Delta R.T. -0.00 min

Lab File: VT019051.D

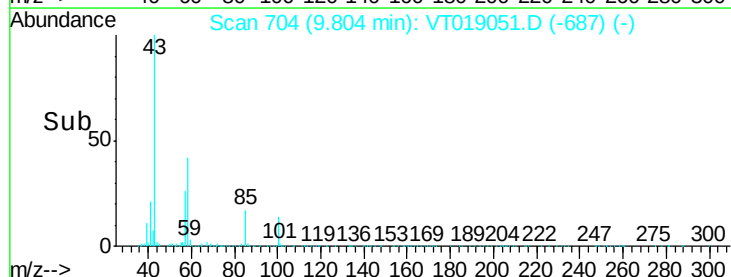
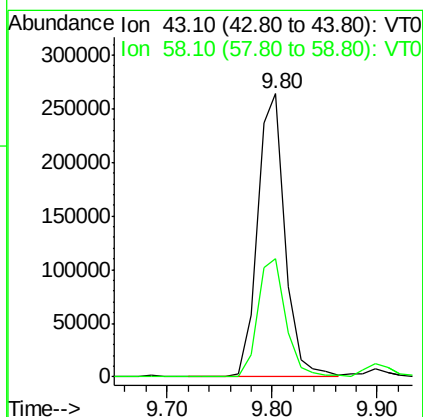
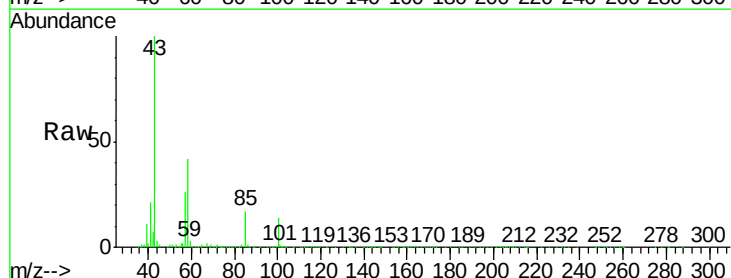
Acq: 9 May 2018 11:43

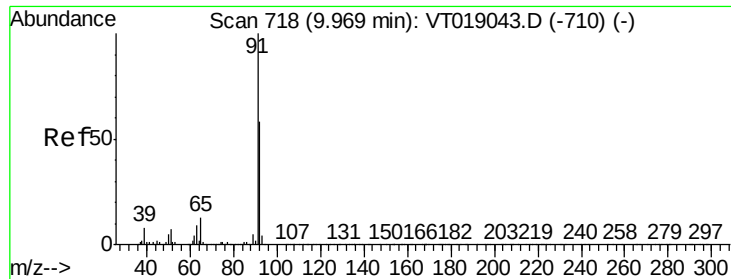
Tgt Ion: 43 Resp: 478510

Ion Ratio Lower Upper

43 100

58 41.9 36.6 54.8





#51

Toluene

Concen: 20.86 ug/l

RT: 9.97 min Scan# 718

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

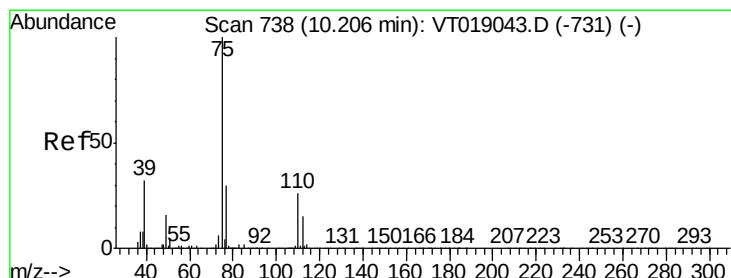
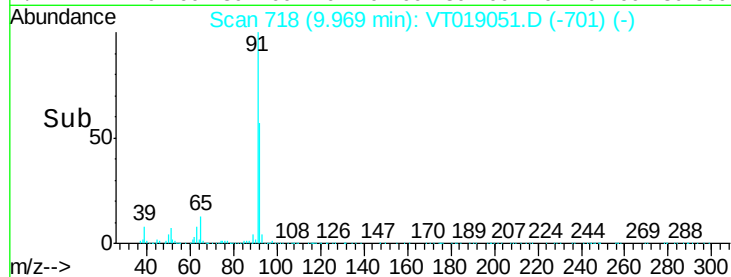
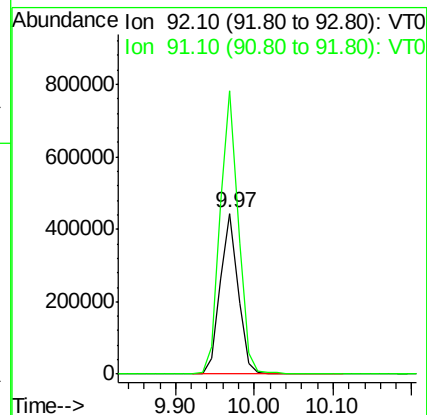
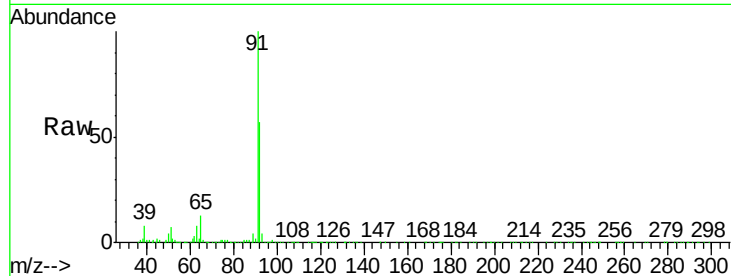
VT0509SBS01

Tot Ion: 92 Resp: 704117

Ion Ratio Lower Upper

92 100

91 176.1 137.8 206.6



#52

t-1,3-Dichloropropene

Concen: 18.96 ug/l

RT: 10.19 min Scan# 737

Delta R.T. -0.01 min

Lab File: VT019051.D

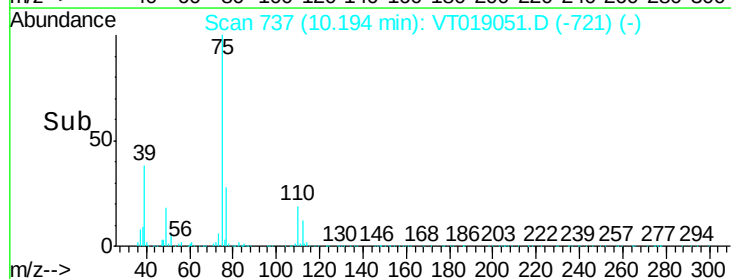
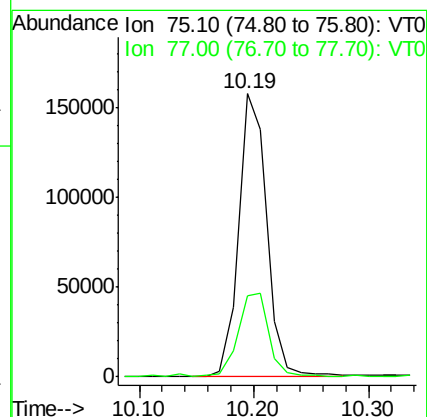
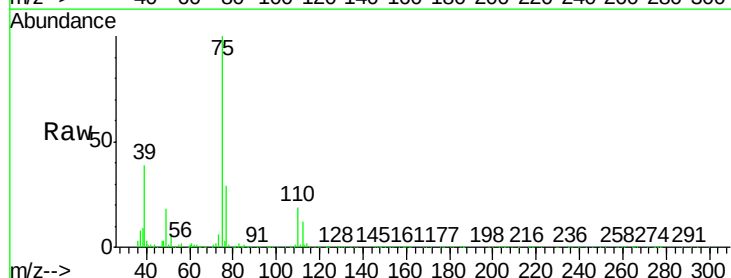
Acq: 9 May 2018 11:43

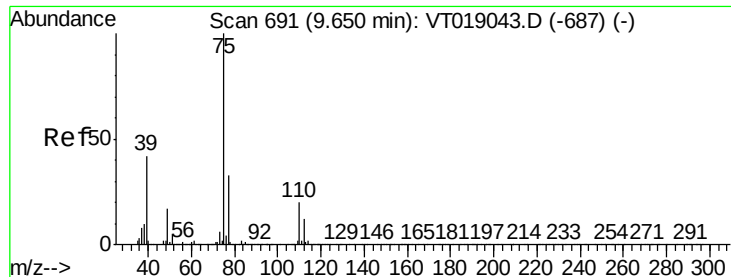
Tgt Ion: 75 Resp: 269645

Ion Ratio Lower Upper

75 100

77 28.5 24.6 36.8





#53

cis-1,3-Dichloropropene

Concen: 19.67 ug/l

RT: 9.65 min Scan# 691

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

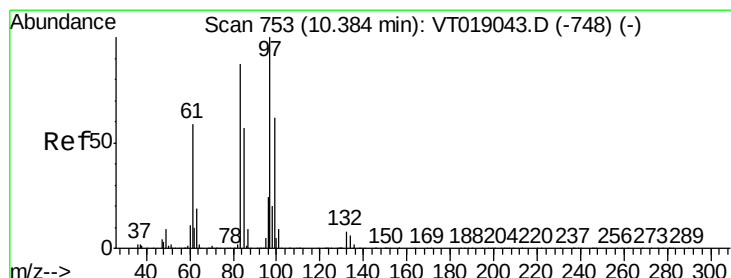
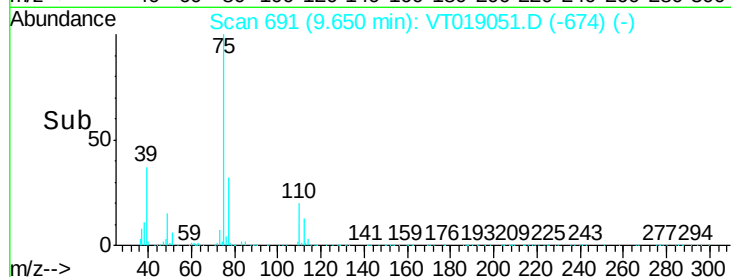
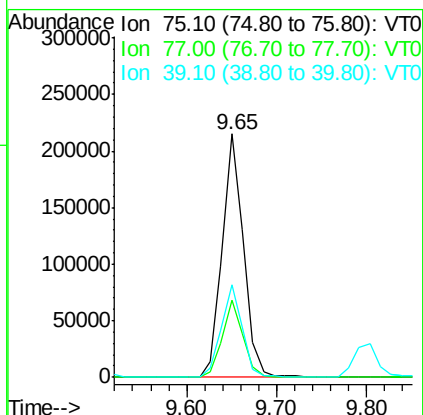
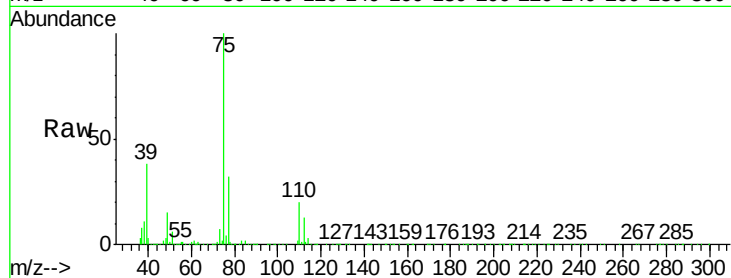
Tot Ion: 75 Resp: 356371

Ion Ratio Lower Upper

75 100

77 31.7 26.6 39.8

39 38.0 34.1 51.1



#54

1,1,2-Trichloroethane

Concen: 18.82 ug/l

RT: 10.38 min Scan# 753

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Tgt Ion: 97 Resp: 153785

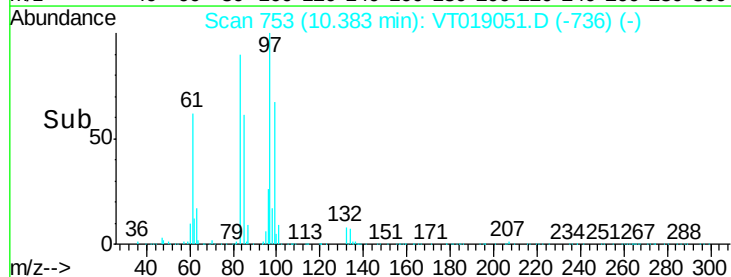
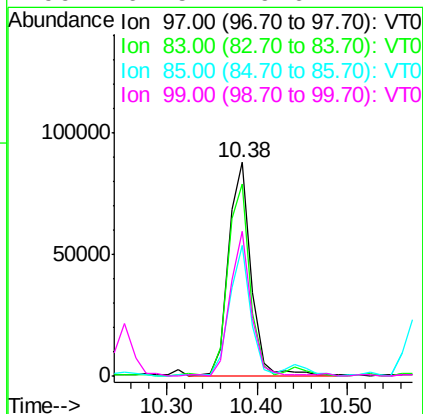
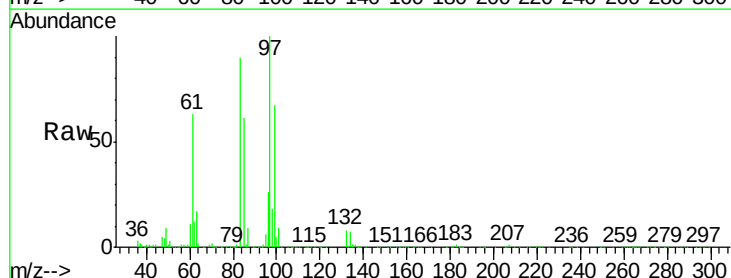
Ion Ratio Lower Upper

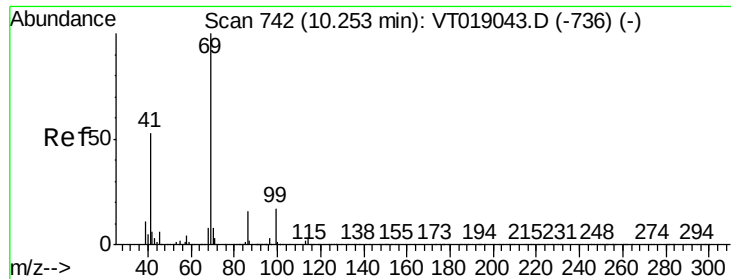
97 100

83 90.0 69.7 104.5

85 61.2 46.1 69.1

99 67.5 49.6 74.4





#55

Ethyl methacrylate

Concen: 16.83 ug/l

RT: 10.25 min Scan# 742

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

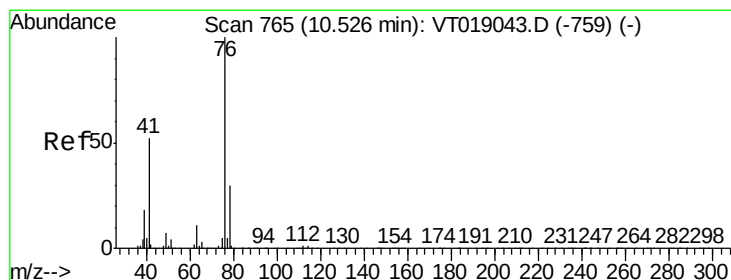
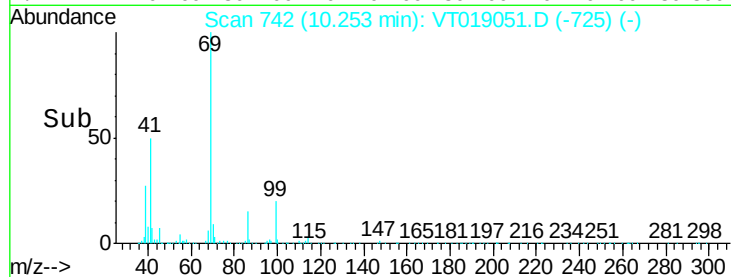
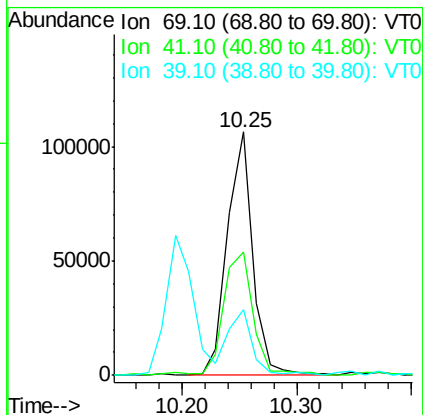
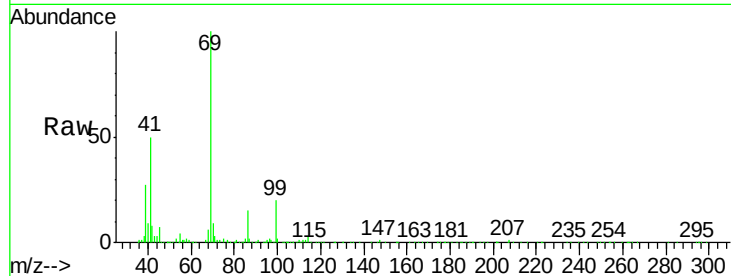
Tot Ion: 69 Resp: 164831

Ion Ratio Lower Upper

69 100

41 50.4 42.9 64.3

39 26.9 21.2 31.8



#56

1,3-Dichloropropane

Concen: 18.18 ug/l

RT: 10.53 min Scan# 765

Delta R.T. -0.00 min

Lab File: VT019051.D

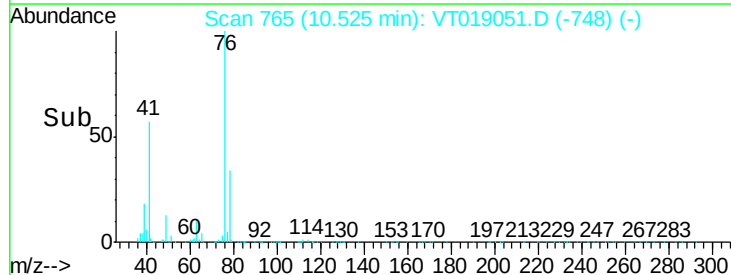
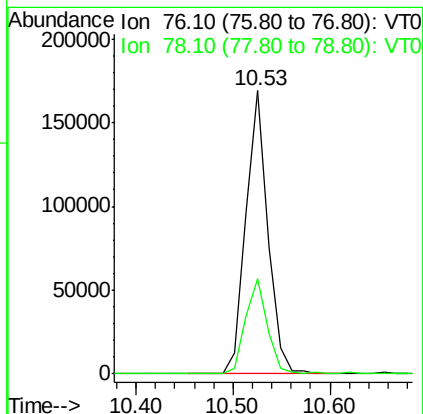
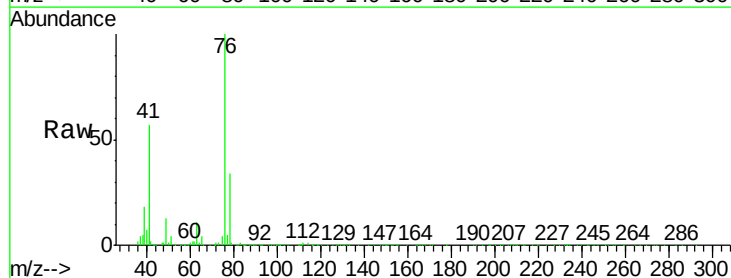
Acq: 9 May 2018 11:43

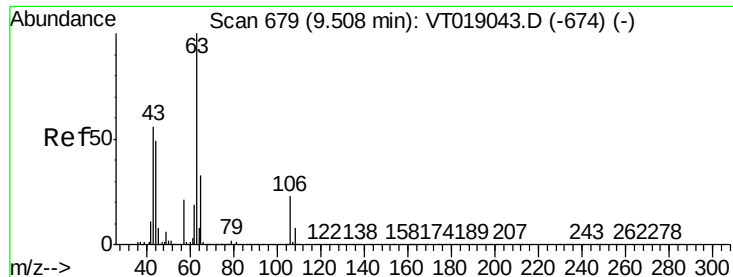
Tgt Ion: 76 Resp: 265789

Ion Ratio Lower Upper

76 100

78 33.9 24.1 36.1





#57

2-Chloroethyl Vinyl ether

Concen: 92.13 ug/l

RT: 9.51 min Scan# 679

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

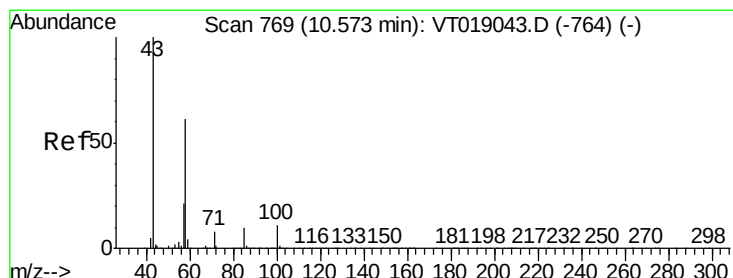
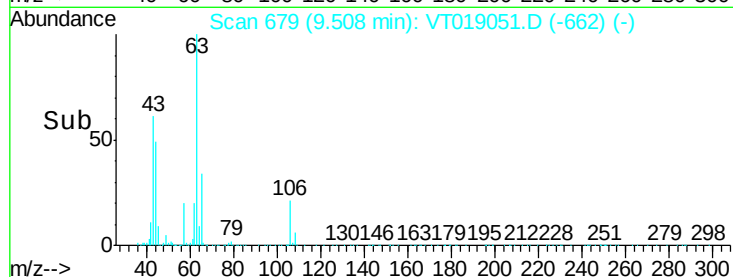
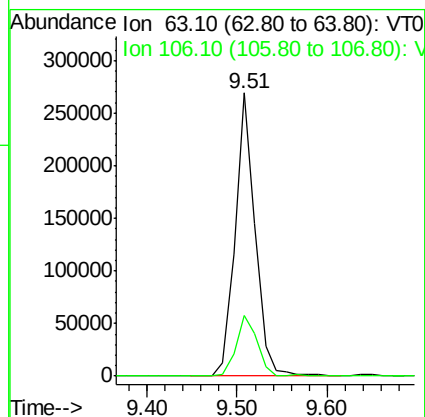
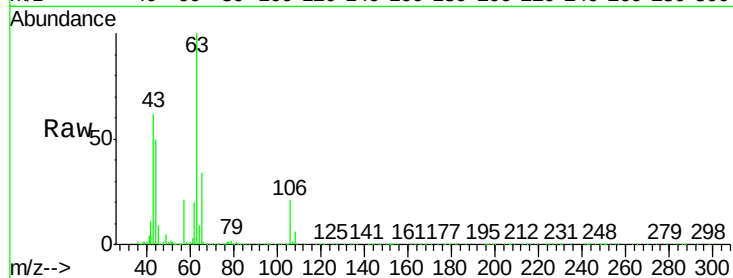
VT0509SBS01

Tot Ion: 63 Resp: 415714

Ion Ratio Lower Upper

63 100

106 21.5 18.7 28.1



#58

2-Hexanone

Concen: 91.07 ug/l

RT: 10.57 min Scan# 769

Delta R.T. -0.00 min

Lab File: VT019051.D

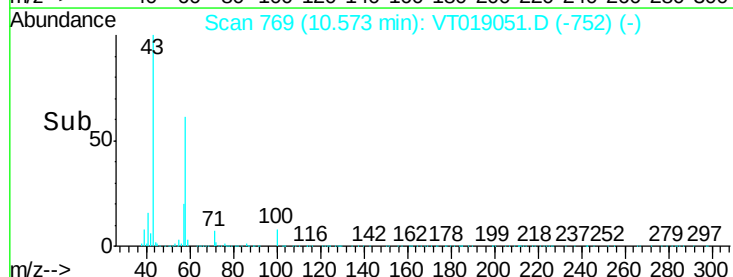
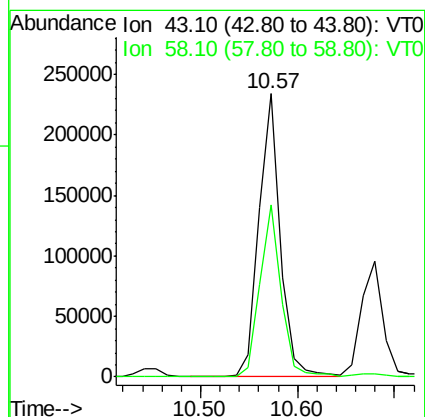
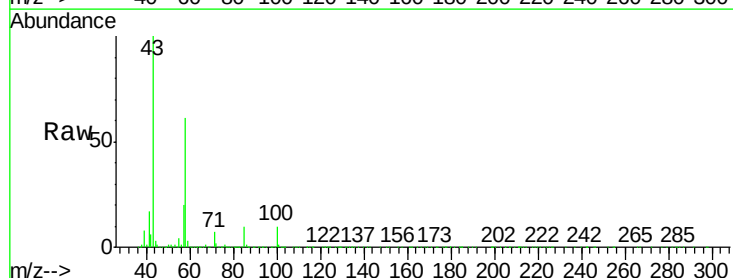
Acq: 9 May 2018 11:43

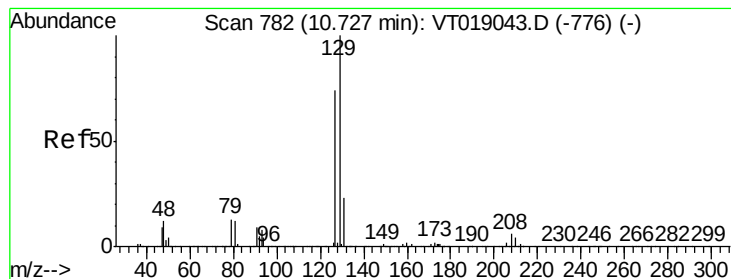
Tgt Ion: 43 Resp: 359185

Ion Ratio Lower Upper

43 100

58 60.6 30.6 92.0





#59

Dibromochloromethane

Concen: 17.76 ug/l

RT: 10.73 min Scan# 782

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

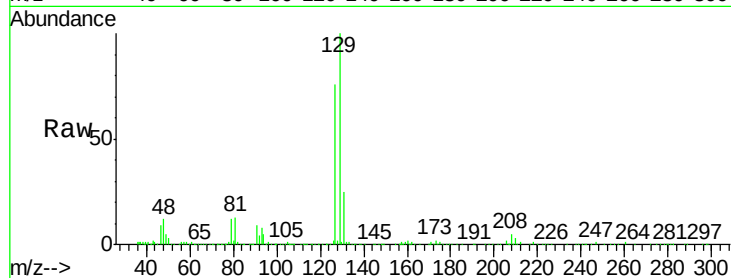
VT0509SBS01

Tot Ion:129 Resp: 150926

Ion Ratio Lower Upper

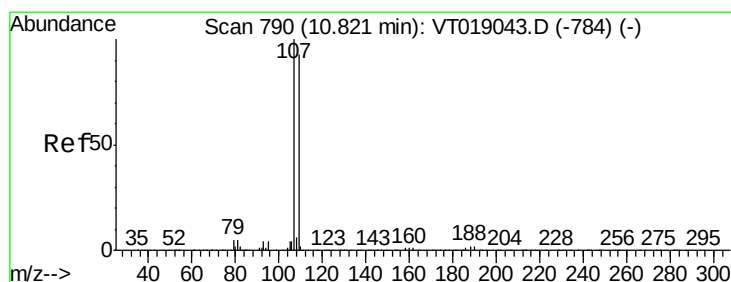
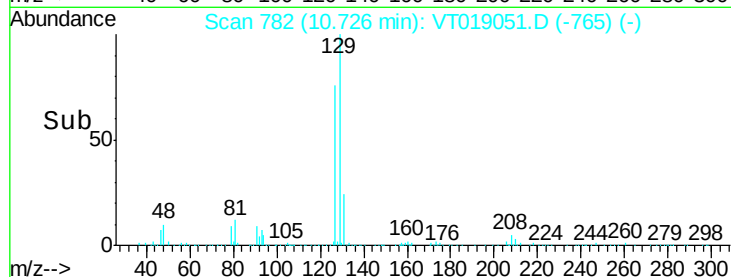
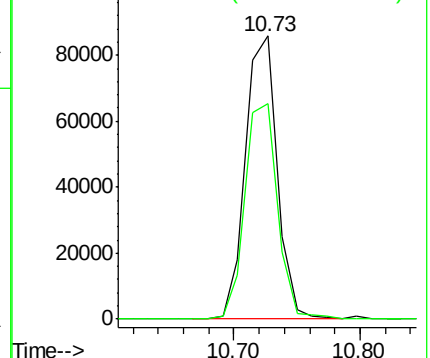
129 100

127 76.0 37.3 111.8



Abundance Ion 128.90 (128.60 to 129.60): V

Ion 126.90 (126.60 to 127.60): V



#60

1,2-Dibromoethane

Concen: 18.79 ug/l

RT: 10.82 min Scan# 790

Delta R.T. -0.00 min

Lab File: VT019051.D

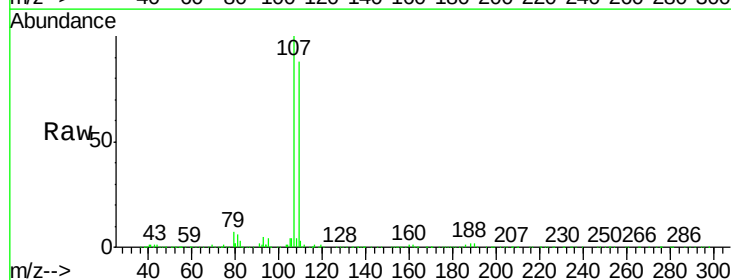
Acq: 9 May 2018 11:43

Tgt Ion:107 Resp: 132744

Ion Ratio Lower Upper

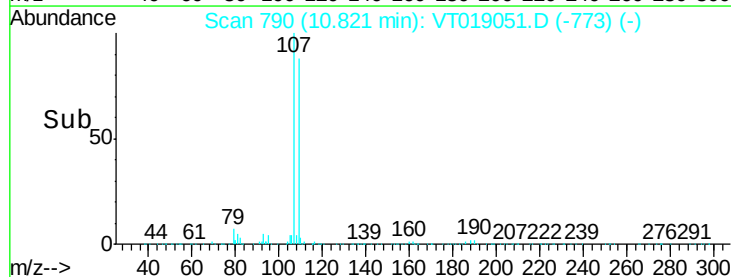
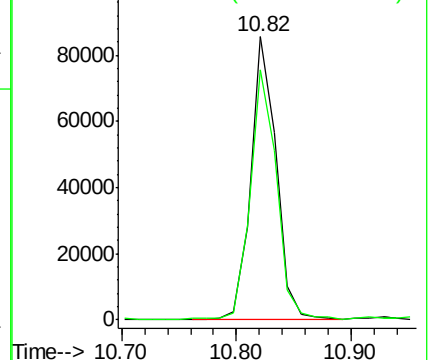
107 100

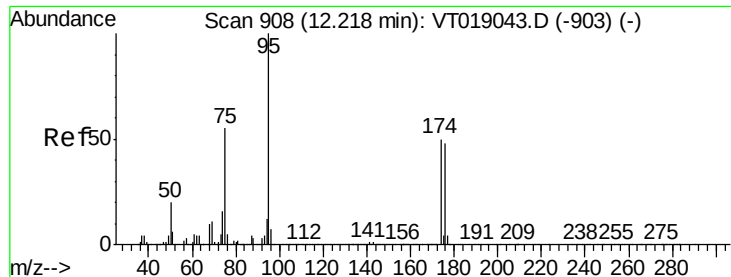
109 88.3 74.3 111.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#61

4-Bromofluorobenzene

Concen: 50.93 ug/l

RT: 12.22 min Scan# 908

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :
MSVOA_T
ClientSampleId :
VT0509SBS01

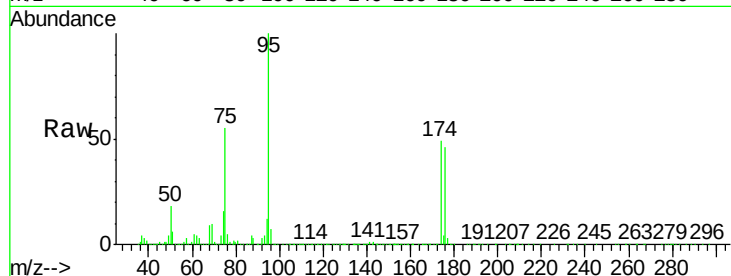
Tot Ion: 95 Resp: 893509

Ion Ratio Lower Upper

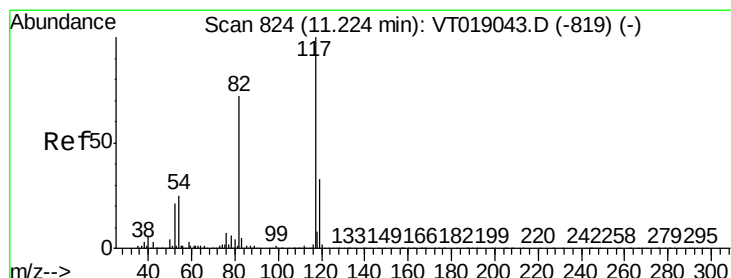
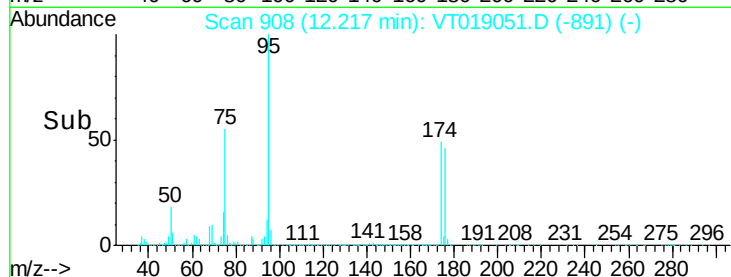
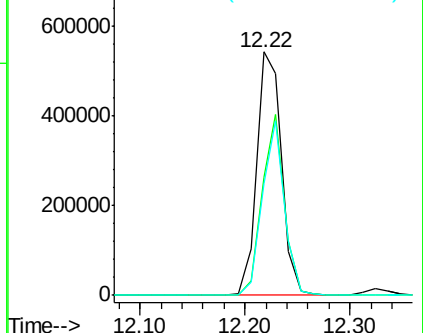
95 100

174 48.7 0.0 100.0

176 45.8 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: VT019051.D

Acq: 9 May 2018 11:43

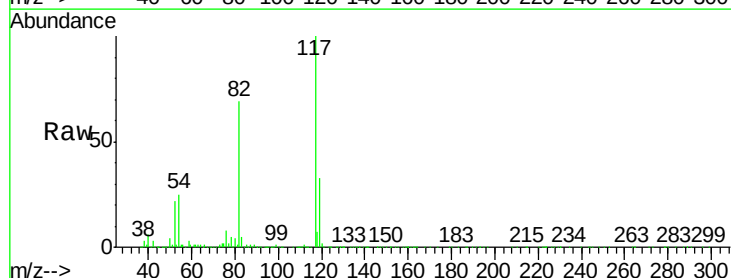
Tgt Ion: 117 Resp: 1582363

Ion Ratio Lower Upper

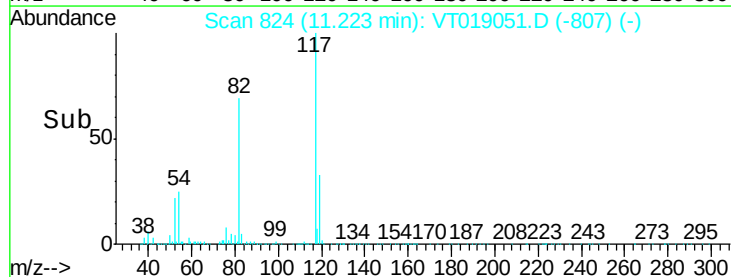
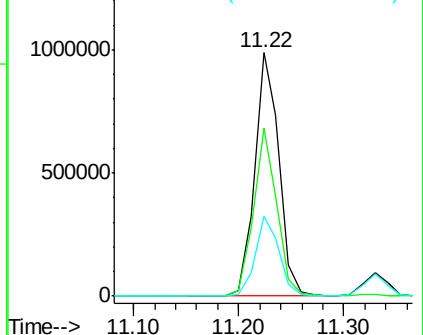
117 100

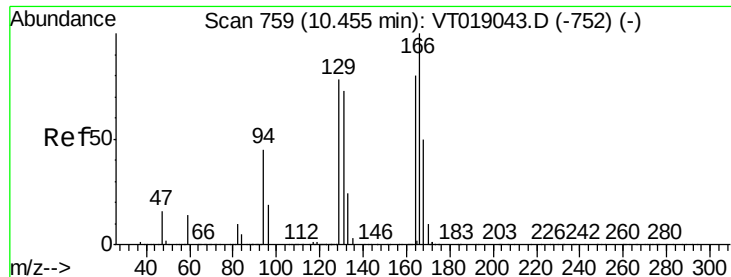
82 68.9 57.6 86.4

119 32.5 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

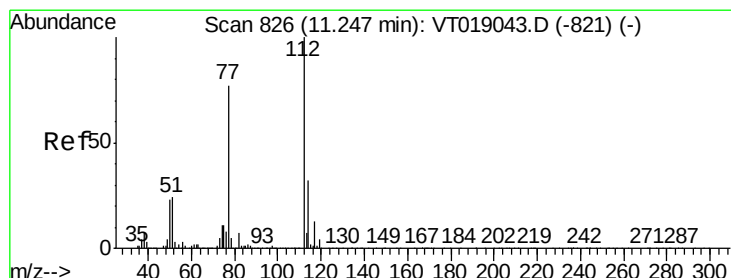
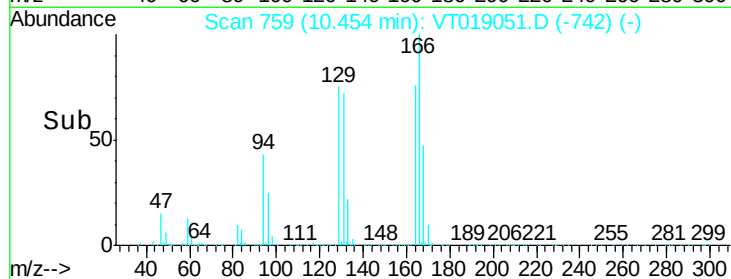
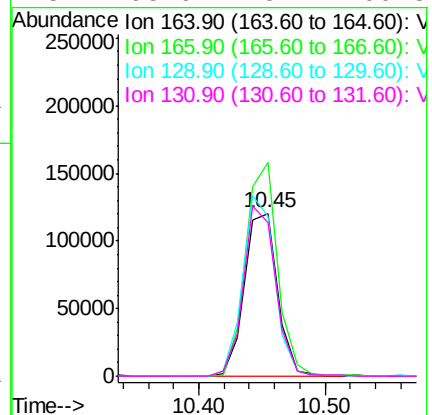
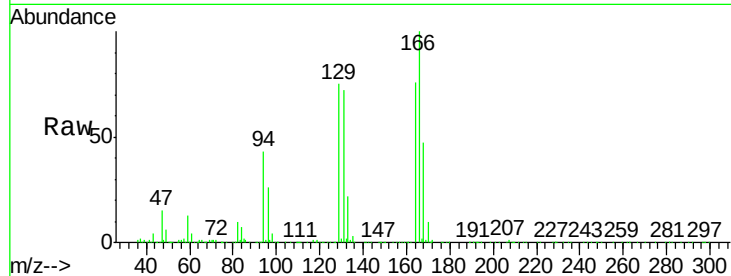




#63
Tetrachloroethene
Concen: 20.40 ug/l
RT: 10.45 min Scan# 759
Delta R.T. -0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

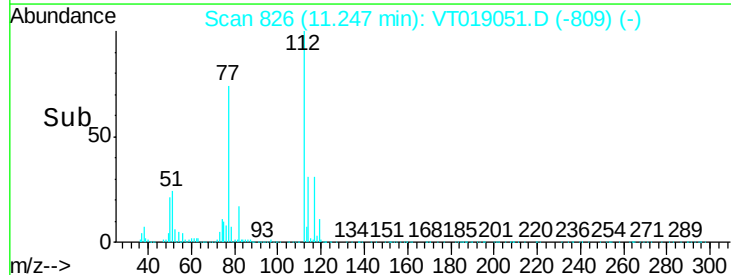
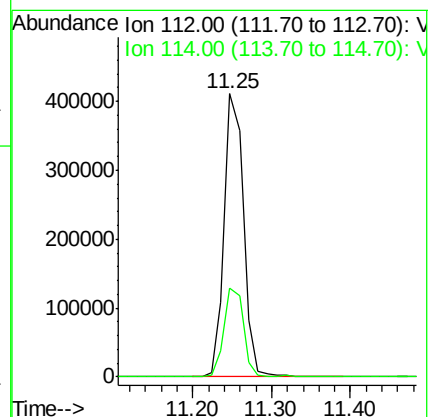
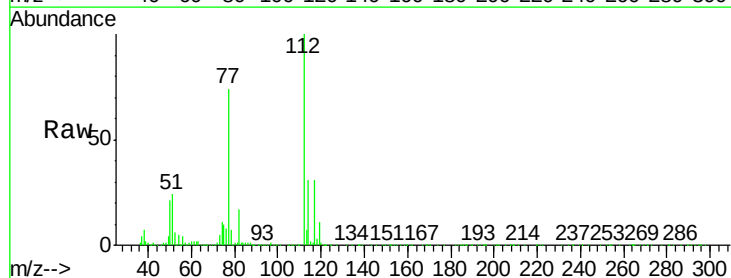
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBS01

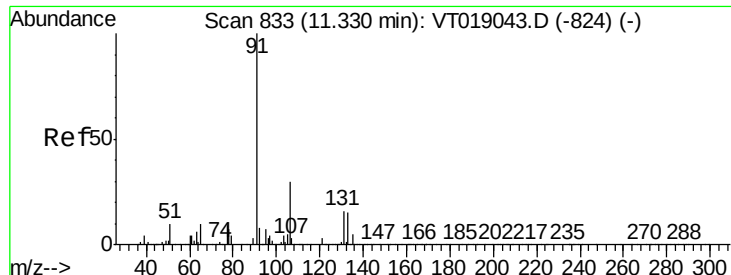
Tot Ion	Ratio	Lower	Upper
164	100		
166	130.9	100.6	151.0
129	98.0	78.1	117.1
131	93.9	73.2	109.8



#64
Chlorobenzene
Concen: 21.43 ug/l
RT: 11.25 min Scan# 826
Delta R.T. -0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.5	38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.25 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

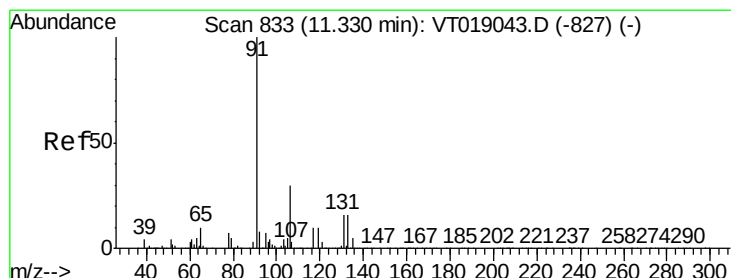
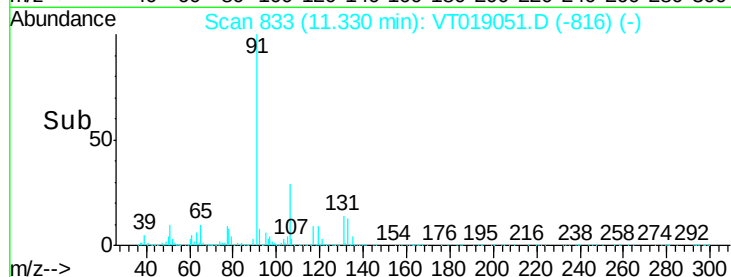
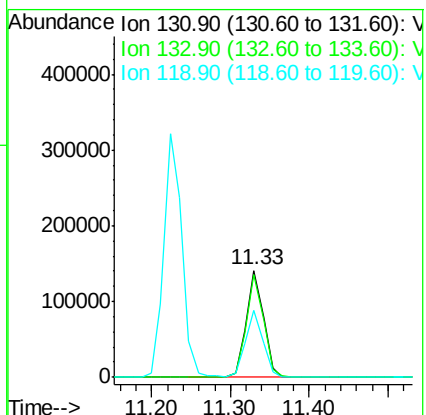
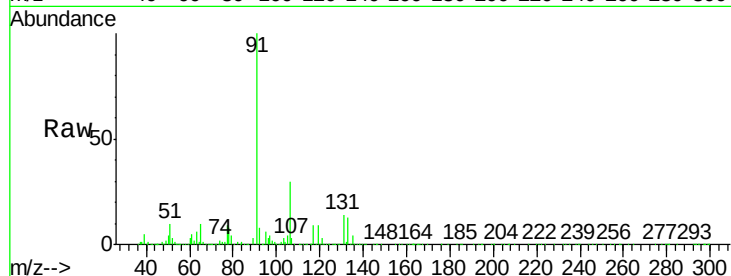
Tot Ion:131 Resp: 215398

Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.3

119 62.9 31.8 95.4



#66

Ethyl Benzene

Concen: 23.35 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019051.D

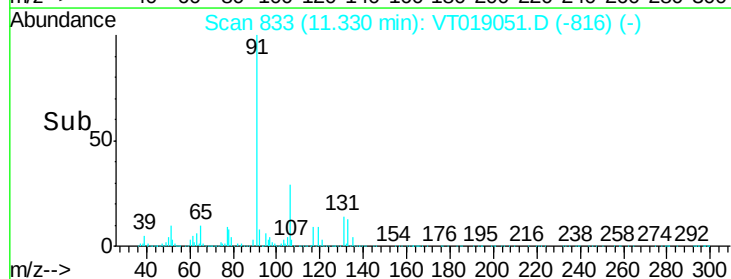
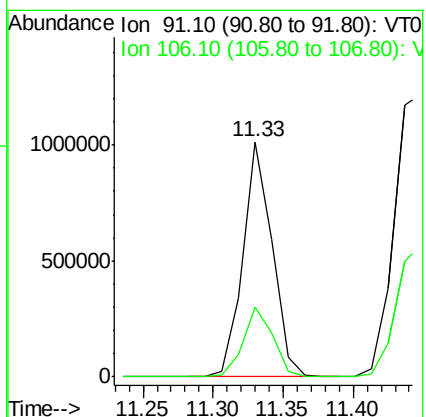
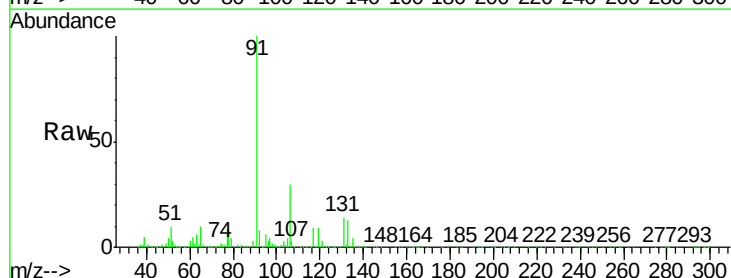
Acq: 9 May 2018 11:43

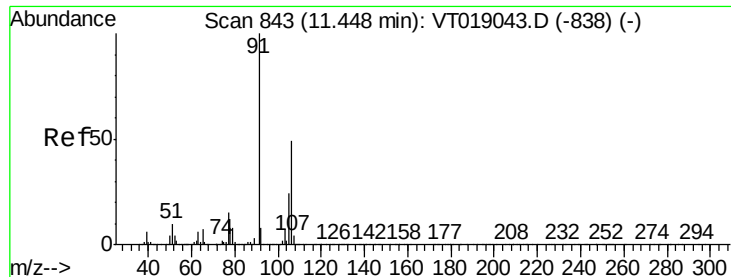
Tgt Ion: 91 Resp: 1467834

Ion Ratio Lower Upper

91 100

106 29.5 24.0 36.0





#67

m/p-Xylenes

Concen: 44.34 ug/l

RT: 11.45 min Scan# 843

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

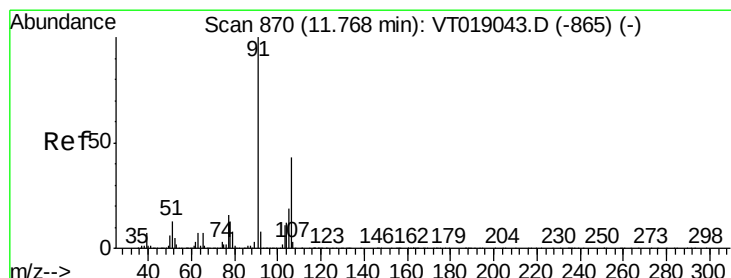
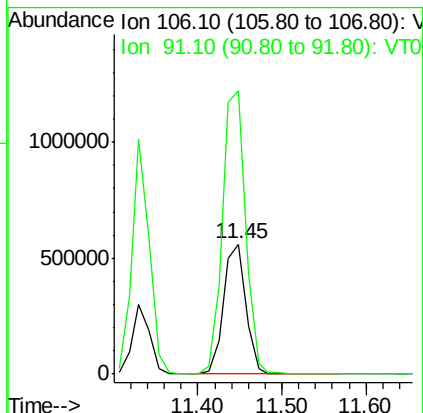
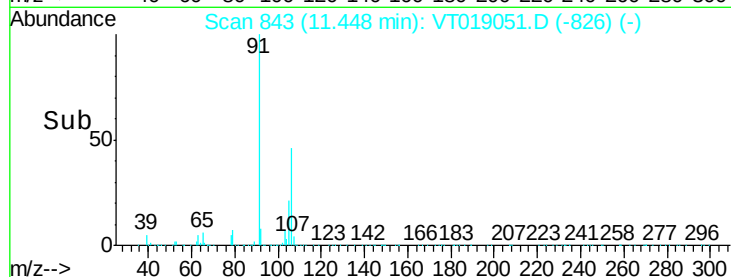
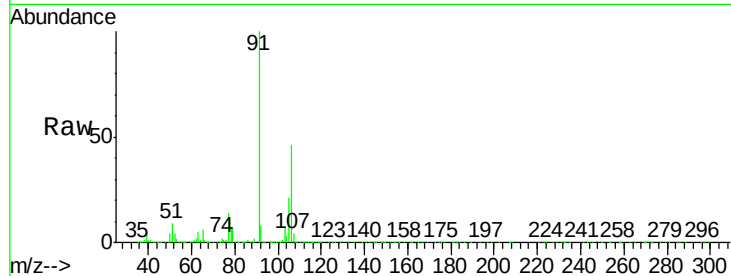
VT0509SBS01

Tot Ion:106 Resp: 1036296

Ion Ratio Lower Upper

106 100

91 218.1 162.2 243.4



#68

o-Xylene

Concen: 21.43 ug/l

RT: 11.77 min Scan# 870

Delta R.T. -0.00 min

Lab File: VT019051.D

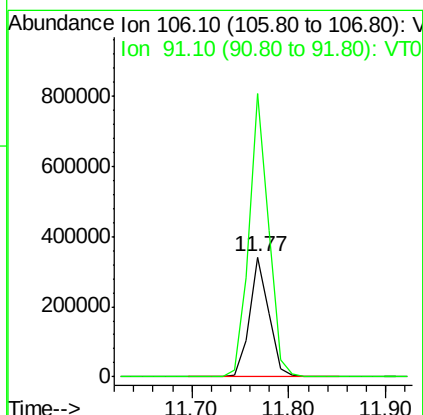
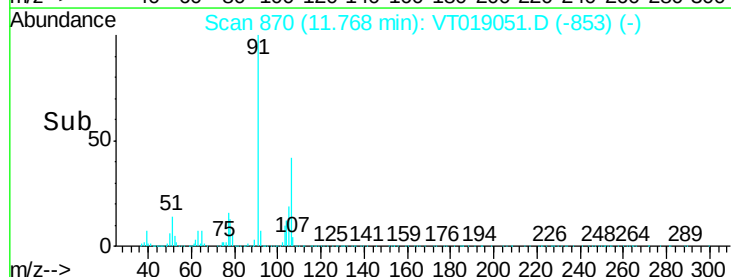
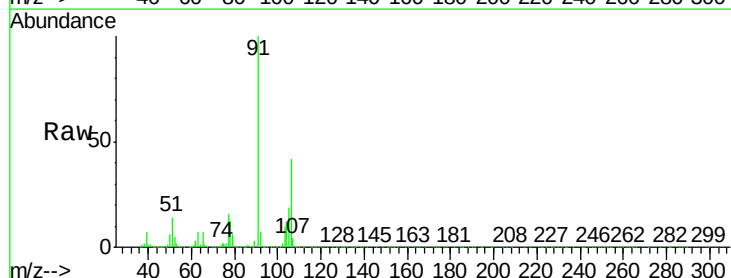
Acq: 9 May 2018 11:43

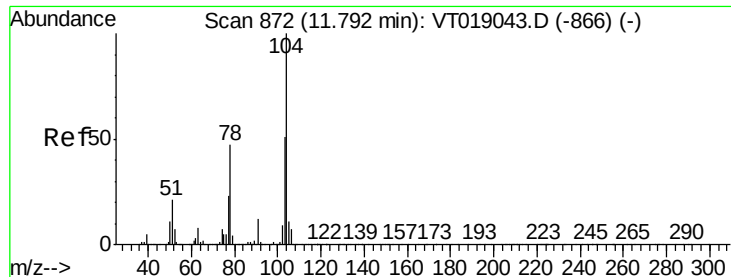
Tgt Ion:106 Resp: 469782

Ion Ratio Lower Upper

106 100

91 235.8 116.0 348.0

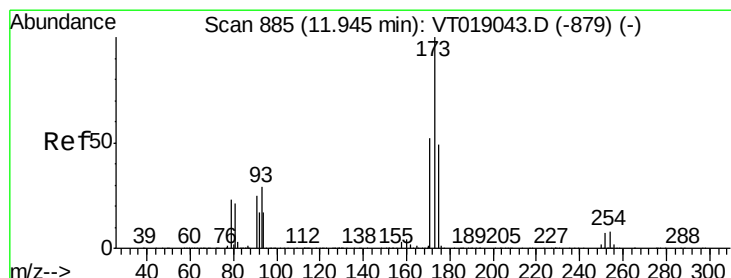
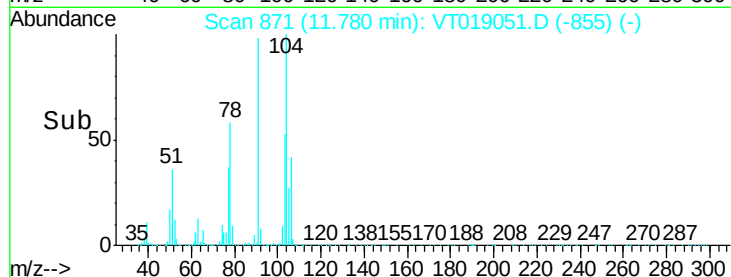
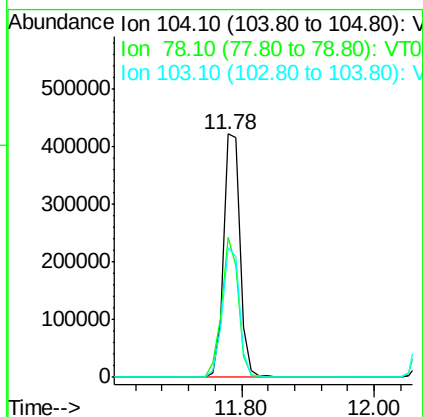
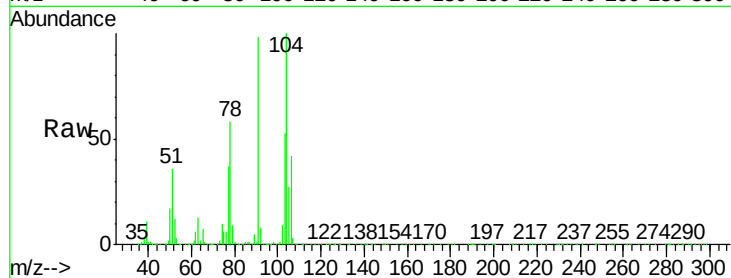




#69
Stvrene
Concen: 22.02 ug/l
RT: 11.78 min Scan# 871
Delta R.T. -0.01 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

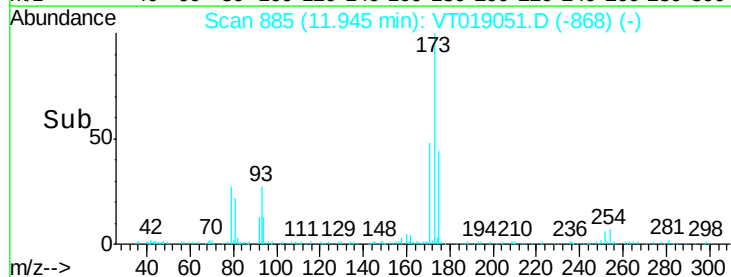
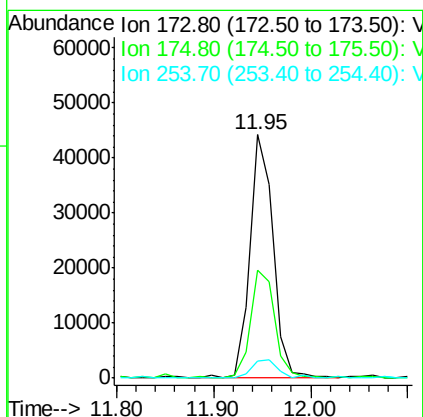
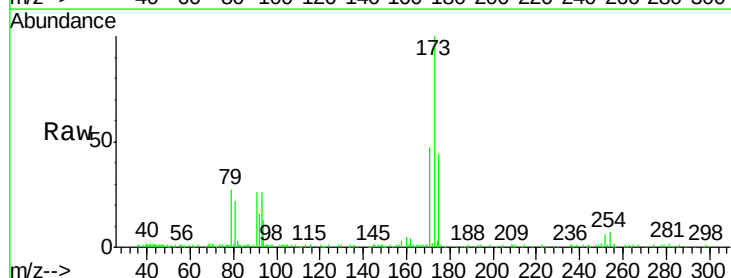
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBS01

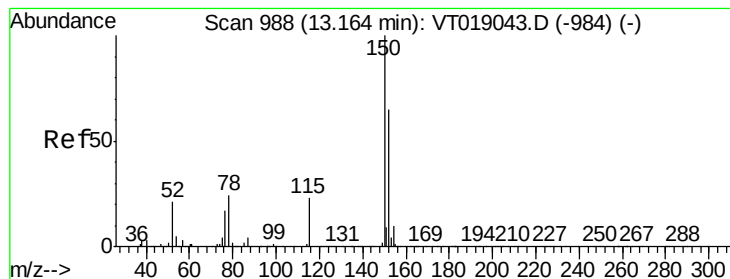
Tot Ion:104 Resp: 747548
Ion Ratio Lower Upper
104 100
78 57.7 38.0 57.0#
103 53.1 40.6 61.0



#70
Bromoform
Concen: 18.21 ug/l
RT: 11.95 min Scan# 885
Delta R.T. -0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

Tgt Ion:173 Resp: 73618
Ion Ratio Lower Upper
173 100
175 44.1 24.6 73.8
254 7.1 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: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

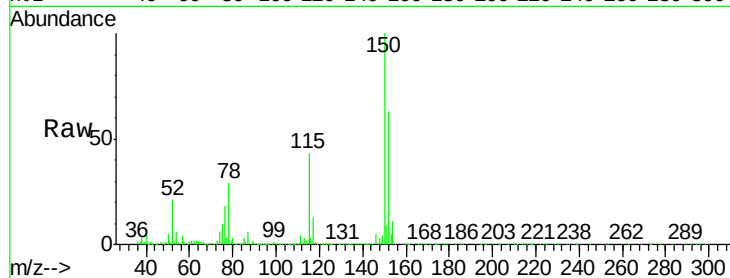
Tot Ion:152 Resp: 732087

Ion Ratio Lower Upper

152 100

115 68.6 34.2 102.6

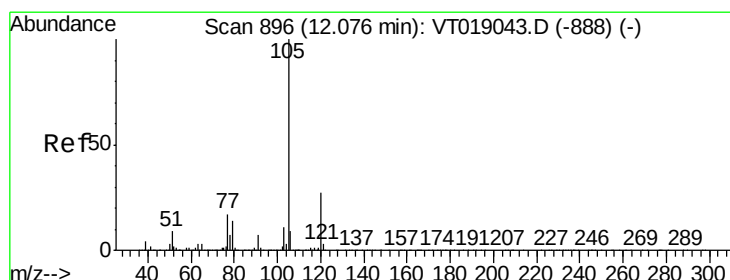
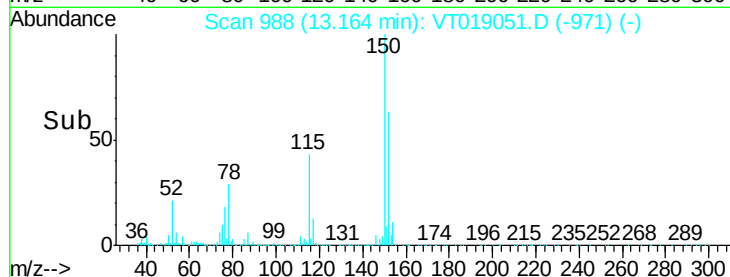
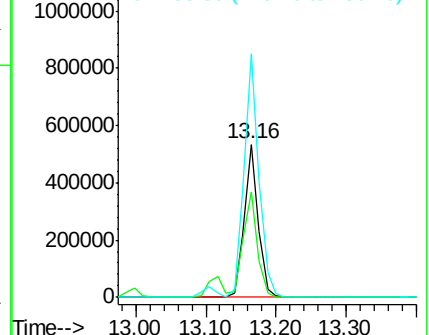
150 158.9 0.0 321.2



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: 24.57 ug/l

RT: 12.08 min Scan# 896

Delta R.T. -0.00 min

Lab File: VT019051.D

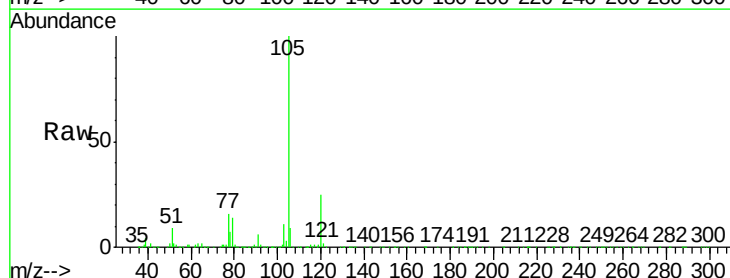
Acq: 9 May 2018 11:43

Tgt Ion:105 Resp: 1452342

Ion Ratio Lower Upper

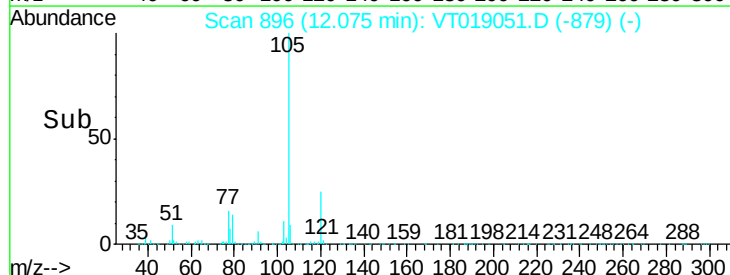
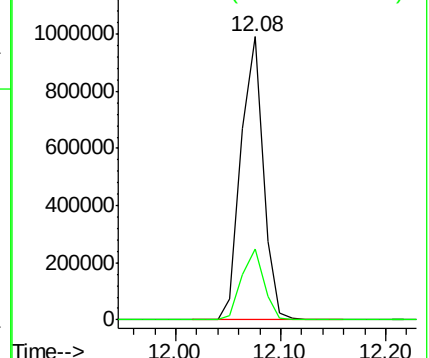
105 100

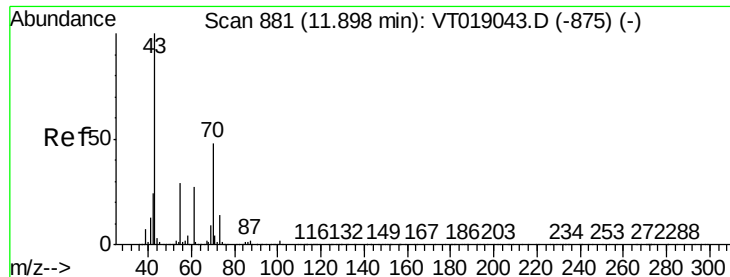
120 25.2 13.6 40.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V





#73

N-amvl acetate

Concen: 18.04 ug/l

RT: 11.90 min Scan# 881

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

Tot Ion: 43 Resp: 175775

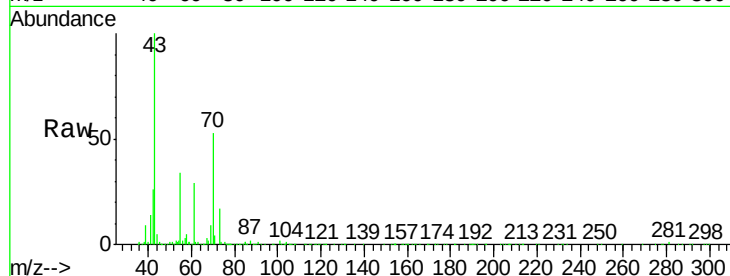
Ion Ratio Lower Upper

43 100

70 53.5 38.2 57.4

55 33.9 23.5 35.3

61 29.4 21.7 32.5

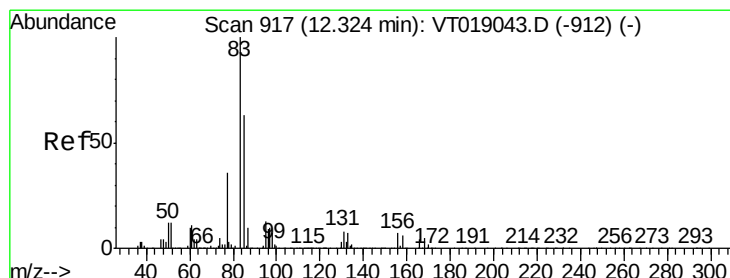
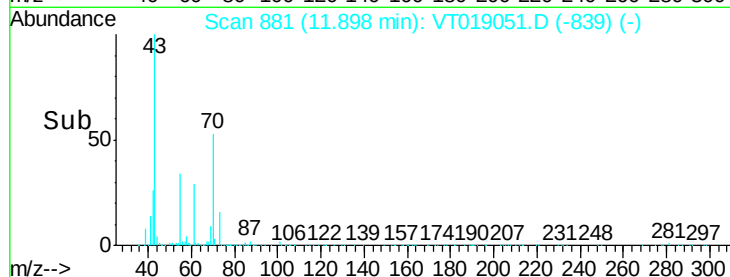
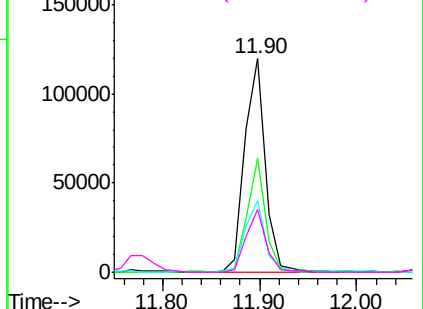


Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 70.10 (69.80 to 70.80): VT0

Ion 55.10 (54.80 to 55.80): VT0

Ion 61.10 (60.80 to 61.80): VT0



#74

1,1,2,2-Tetrachloroethane

Concen: 19.51 ug/l

RT: 12.32 min Scan# 917

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

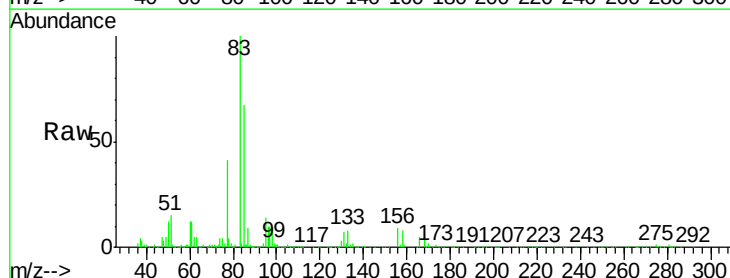
Tgt Ion: 83 Resp: 169714

Ion Ratio Lower Upper

83 100

131 7.5 4.0 12.2

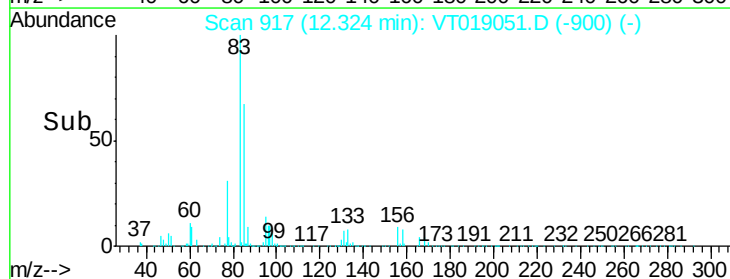
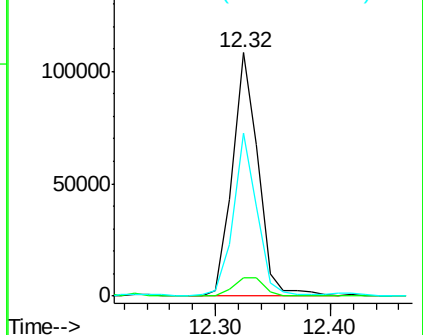
85 67.0 31.4 94.3

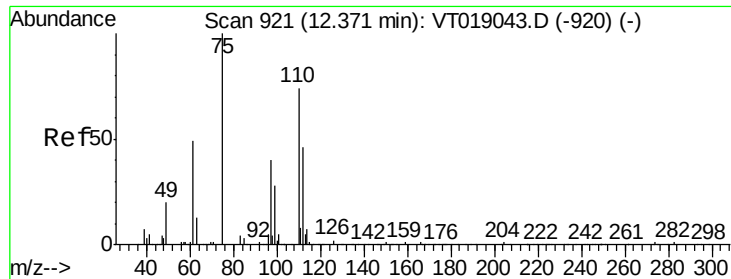


Abundance Ion 83.00 (82.70 to 83.70): VT0

Ion 131.00 (130.70 to 131.70): VT0

Ion 85.00 (84.70 to 85.70): VT0

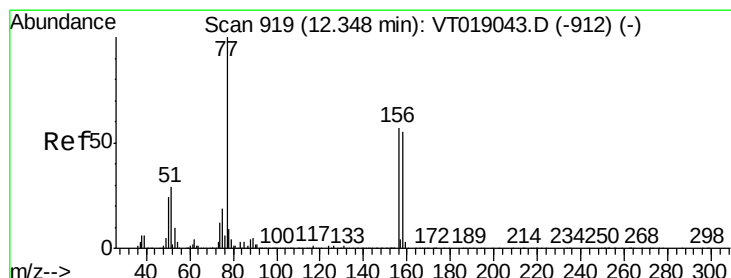
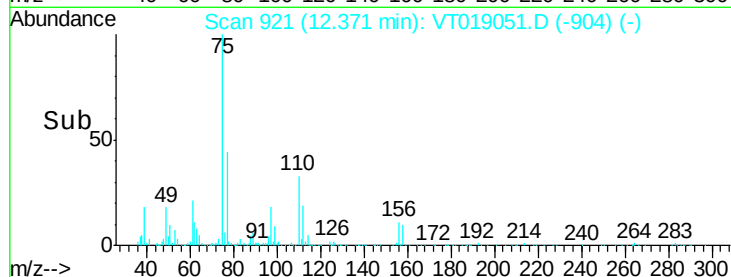
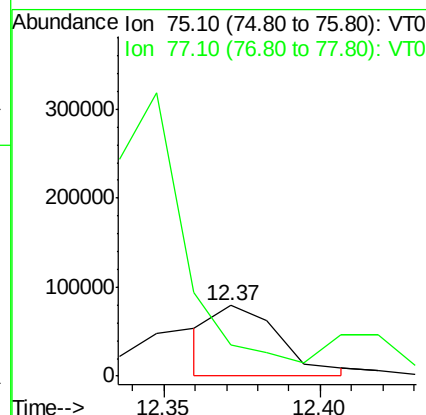
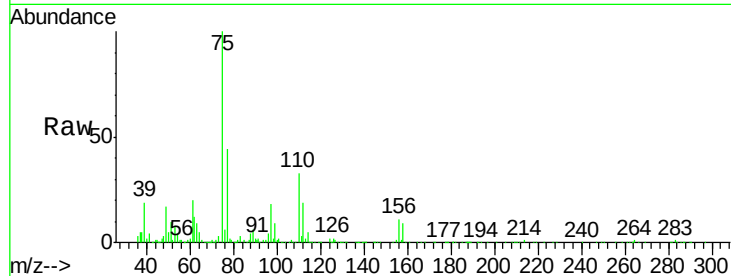




#75
 1,2,3-Trichloropropane
 Concen: 18.89 ug/l m
 RT: 12.37 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VT019051.D
 Acq: 9 May 2018 11:43

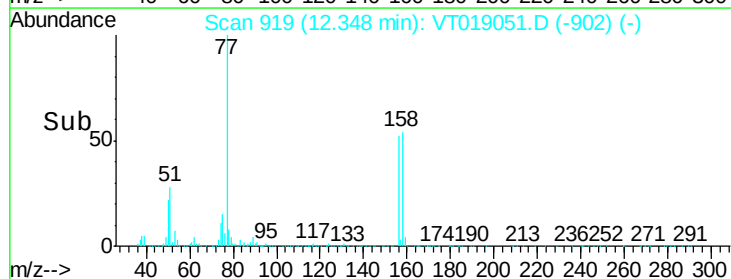
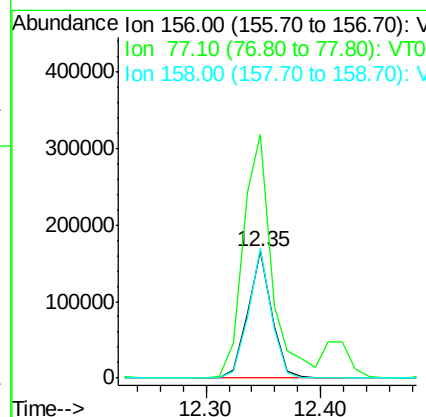
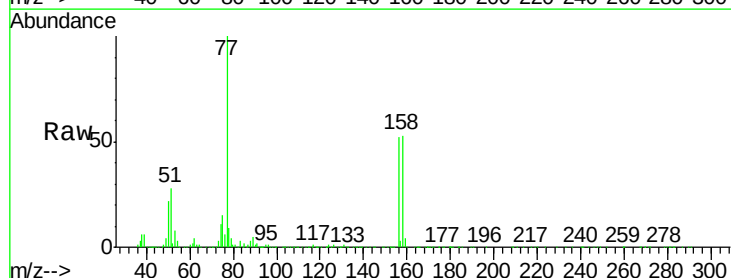
Instrument :
 MSVOA_T
 ClientSampleId :
 VT0509SBS01

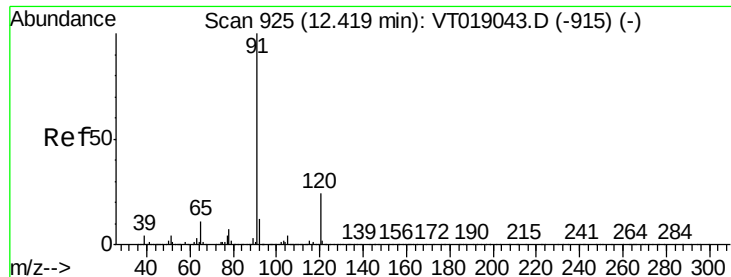
Tot Ion: 75 Resp: 117614
 Ion Ratio Lower Upper
 75 100
 77 43.8 21.1 63.1



#76
 Bromobenzene
 Concen: 20.61 ug/l
 RT: 12.35 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VT019051.D
 Acq: 9 May 2018 11:43

Tgt Ion: 156 Resp: 241180
 Ion Ratio Lower Upper
 156 100
 77 191.8 87.8 263.4
 158 102.5 48.3 144.8





#77

n-propylbenzene

Concen: 21.81 ug/l

RT: 12.42 min Scan# 925

Delta R.T. 0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

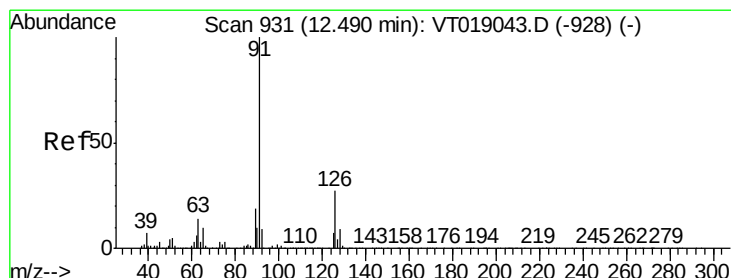
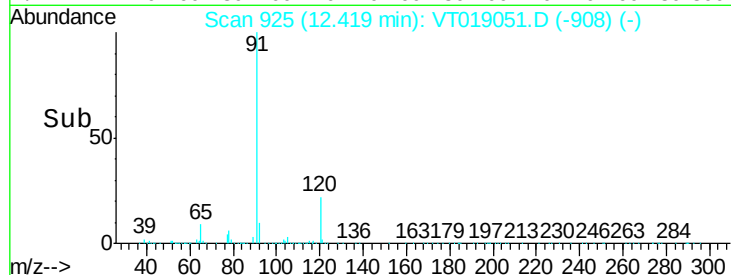
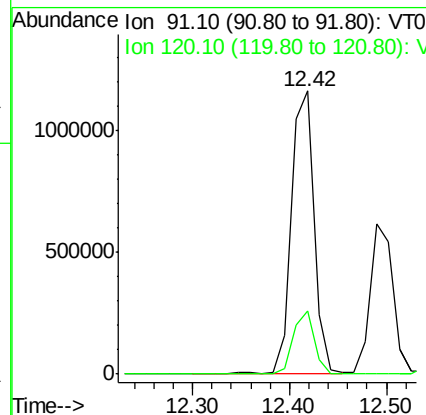
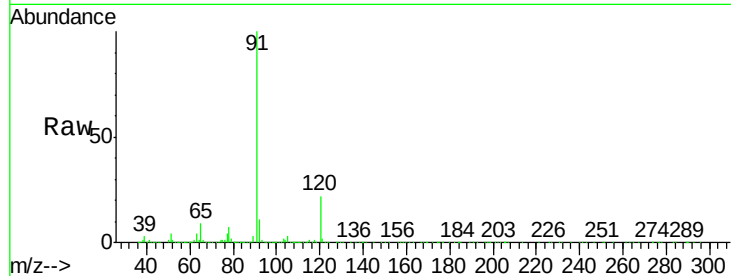
VT0509SBS01

Tot Ion: 91 Resp: 1884663

Ion Ratio Lower Upper

91 100

120 22.4 12.0 36.1



#78

2-Chlorotoluene

Concen: 23.07 ug/l

RT: 12.49 min Scan# 931

Delta R.T. -0.00 min

Lab File: VT019051.D

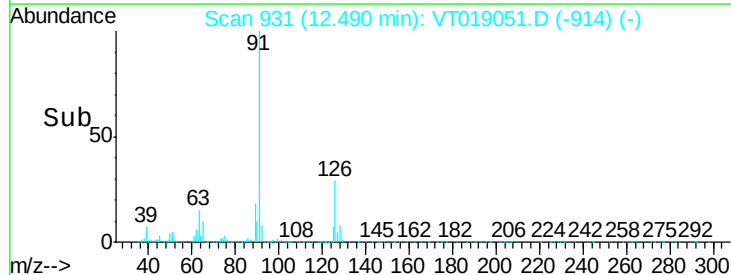
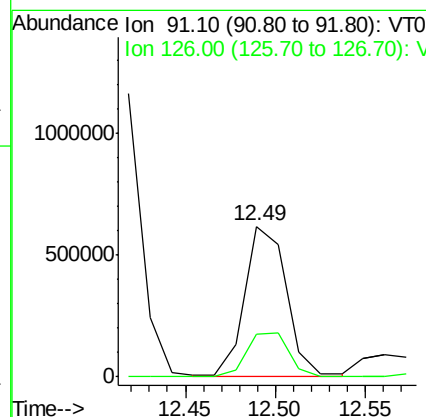
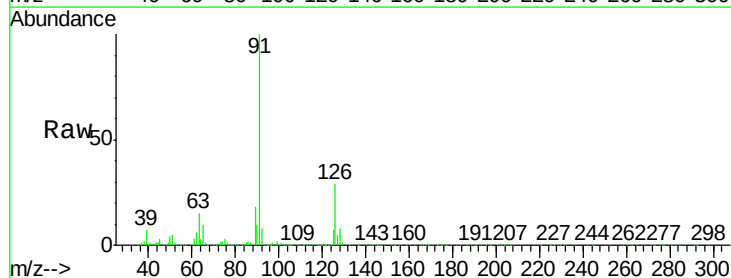
Acq: 9 May 2018 11:43

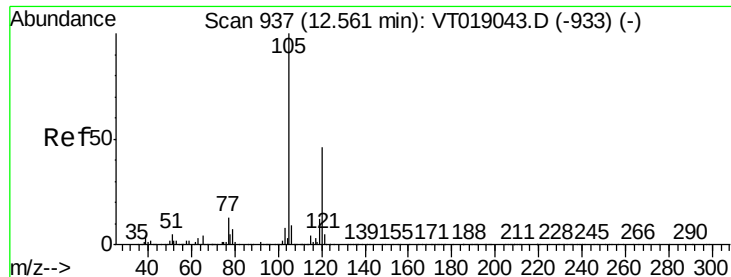
Tgt Ion: 91 Resp: 1000892

Ion Ratio Lower Upper

91 100

126 28.5 13.5 40.5

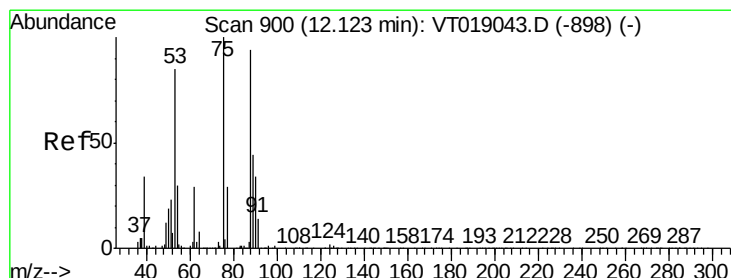
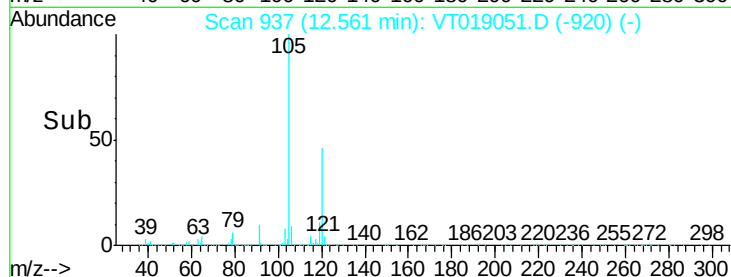
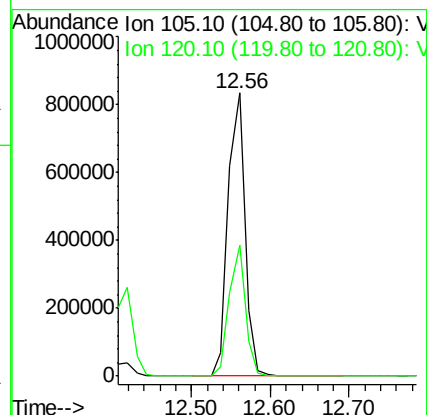
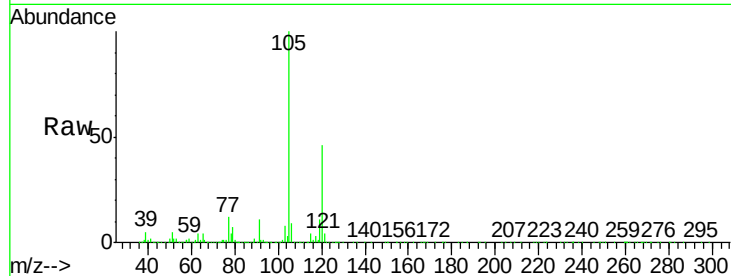




#79
 1,3,5-Trimethylbenzene
 Concen: 24.18 ug/l
 RT: 12.56 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VT019051.D
 Acq: 9 May 2018 11:43

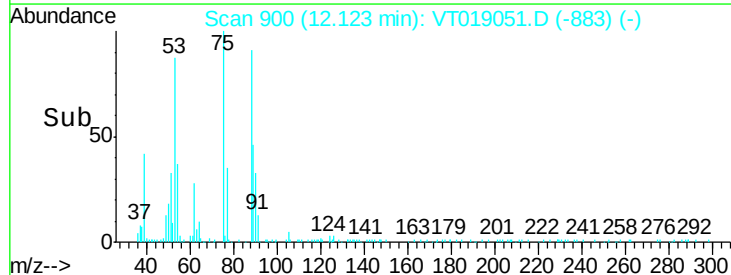
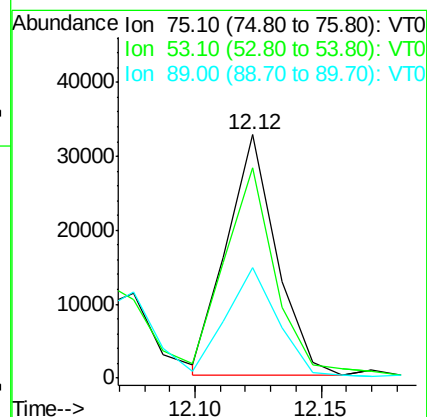
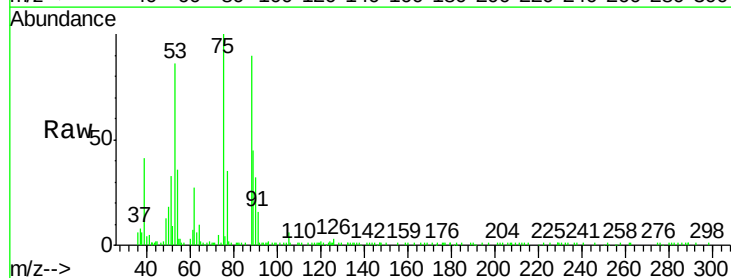
Instrument :
 MSVOA_T
 ClientSampleId :
 VT0509SBS01

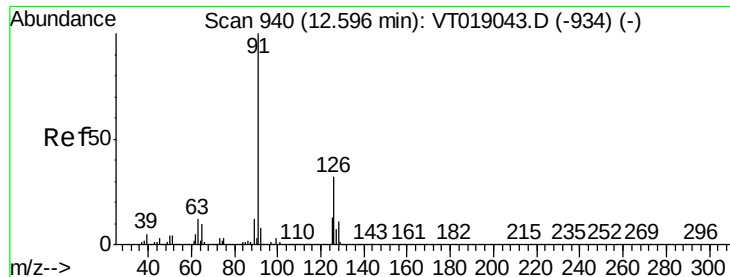
Tot Ion:105 Resp: 1240912
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.2 69.5



#80
 trans-1,4-Dichloro-2-butene
 Concen: 18.97 ug/l
 RT: 12.12 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VT019051.D
 Acq: 9 May 2018 11:43

Tgt Ion: 75 Resp: 44433
 Ion Ratio Lower Upper
 75 100
 53 86.3 70.8 106.2
 89 45.2 35.8 53.8

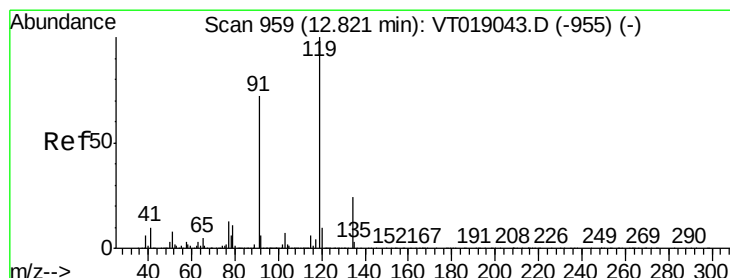
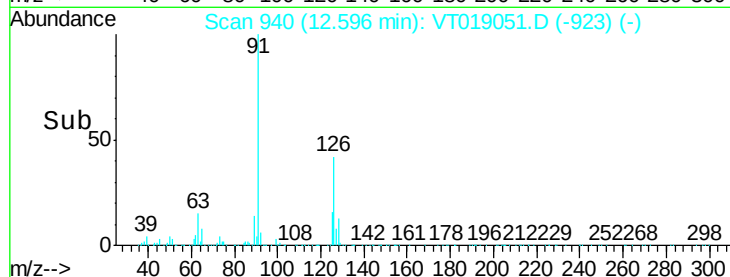
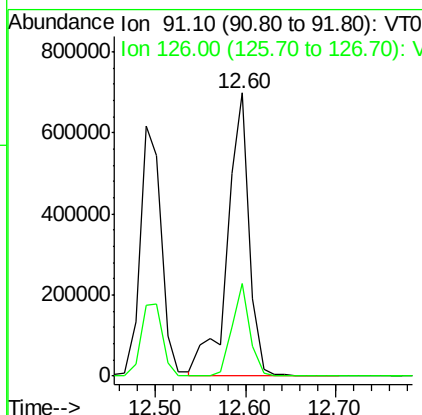
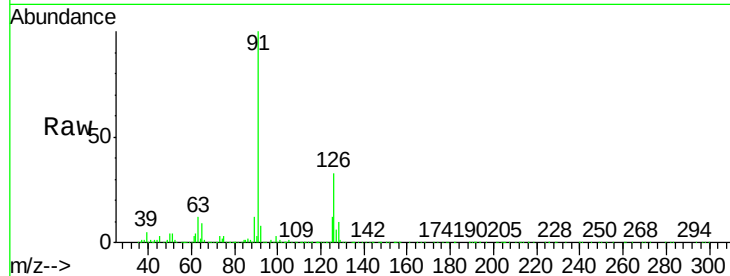




#81
4-Chlorotoluene
Concen: 22.36 ug/l
RT: 12.60 min Scan# 940
Delta R.T. -0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

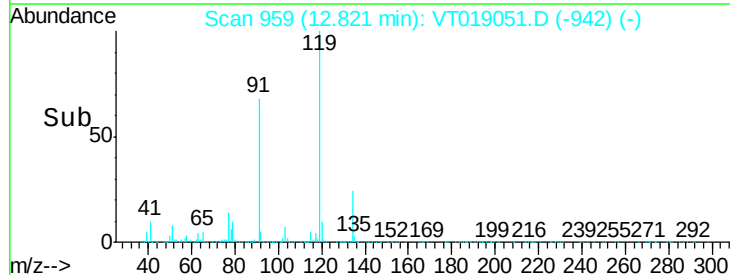
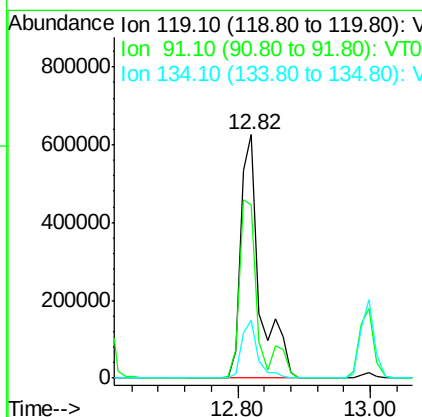
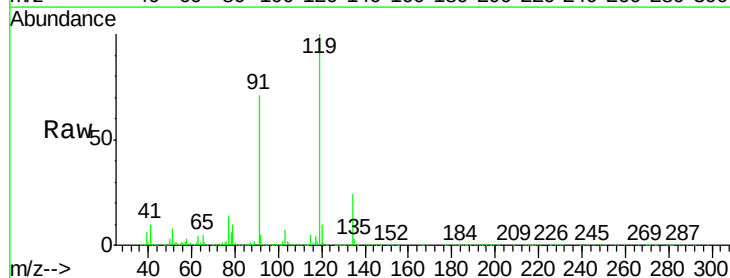
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBS01

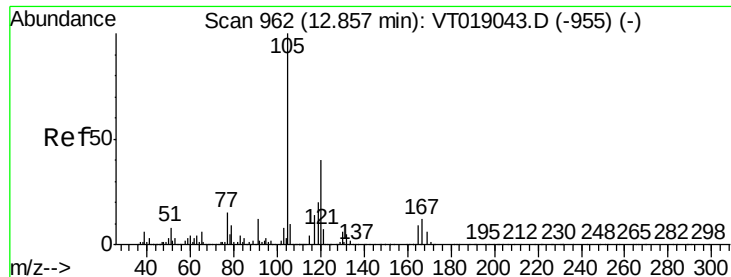
Tot Ion: 91 Resp: 1178476
Ion Ratio Lower Upper
91 100
126 32.6 16.0 47.9



#82
tert-Butylbenzene
Concen: 28.14 ug/l
RT: 12.82 min Scan# 959
Delta R.T. -0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

Tgt Ion: 119 Resp: 1258517
Ion Ratio Lower Upper
119 100
91 71.0 36.1 108.3
134 23.7 12.0 36.1





#83

1,2,4-Trimethylbenzene

Concen: 23.76 ug/l

RT: 12.86 min Scan# 962

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

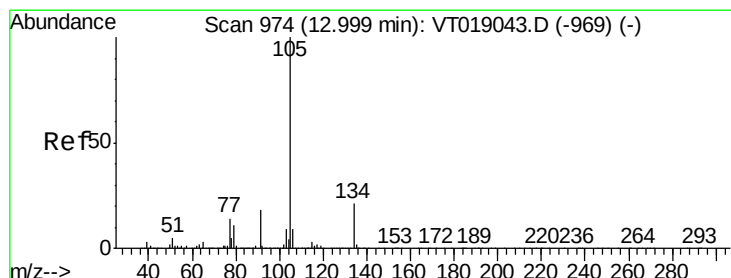
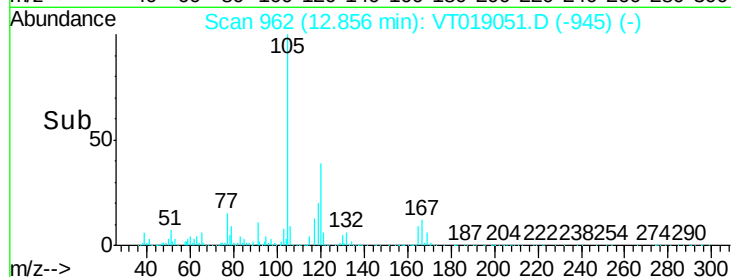
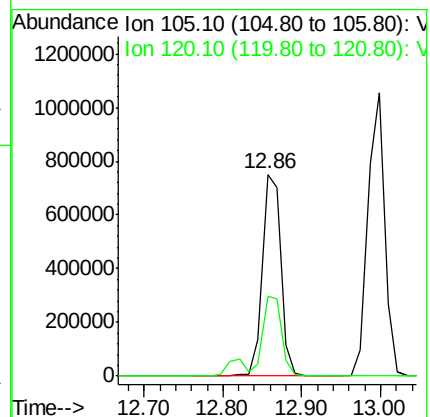
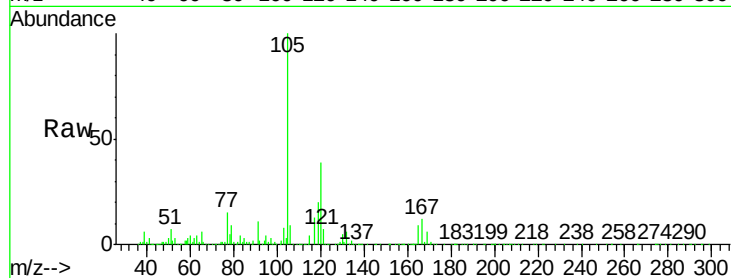
VT0509SBS01

Tot Ion:105 Resp: 1236190

Ion Ratio Lower Upper

105 100

120 39.3 20.0 59.9



#84

sec-Butylbenzene

Concen: 25.15 ug/l

RT: 13.00 min Scan# 974

Delta R.T. -0.00 min

Lab File: VT019051.D

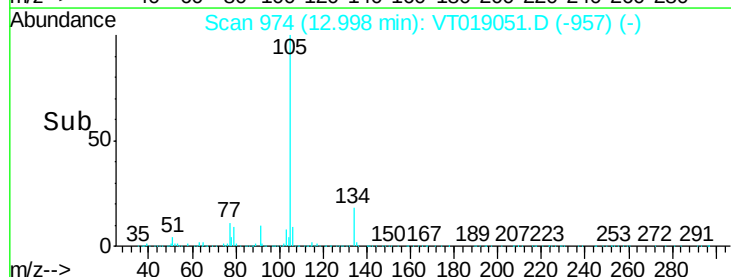
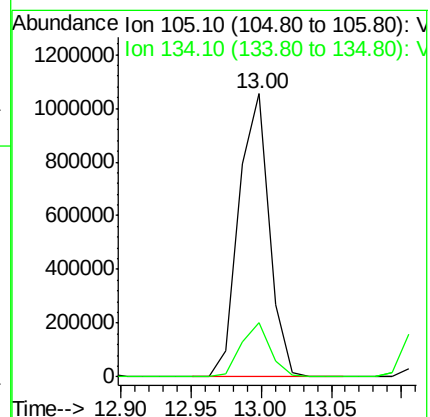
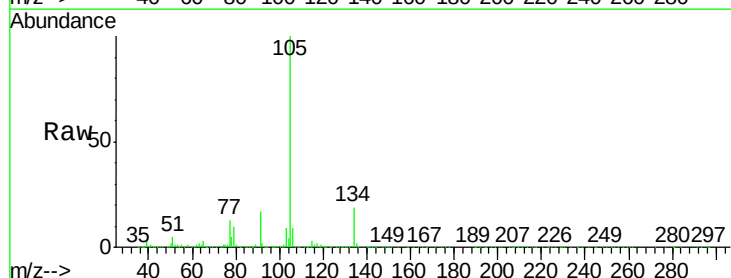
Acq: 9 May 2018 11:43

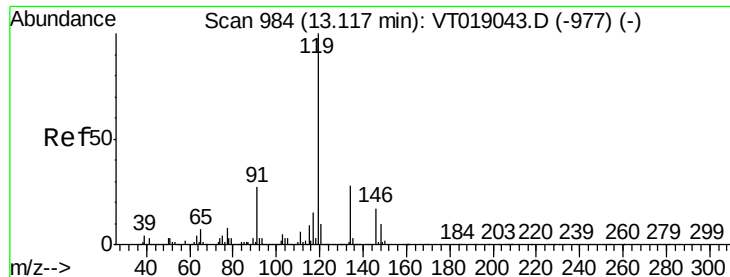
Tgt Ion:105 Resp: 1584884

Ion Ratio Lower Upper

105 100

134 19.2 10.4 31.2

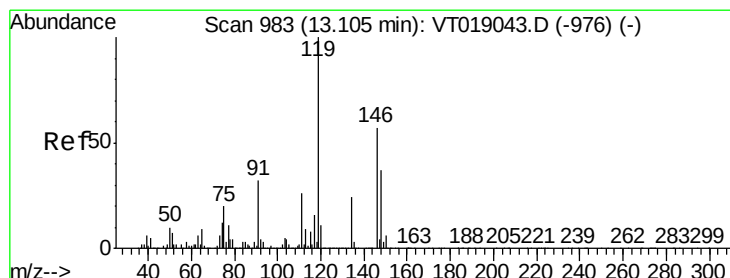
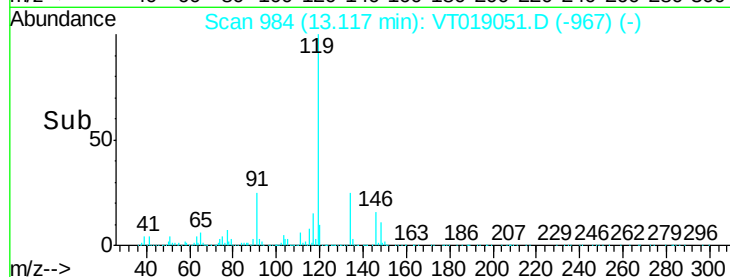
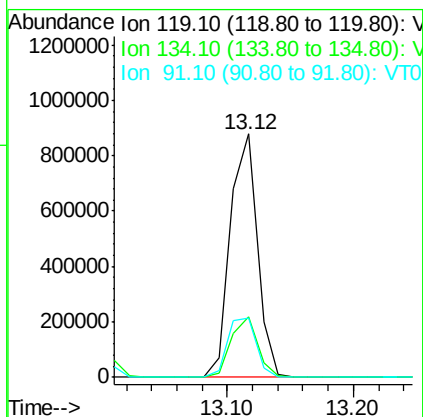
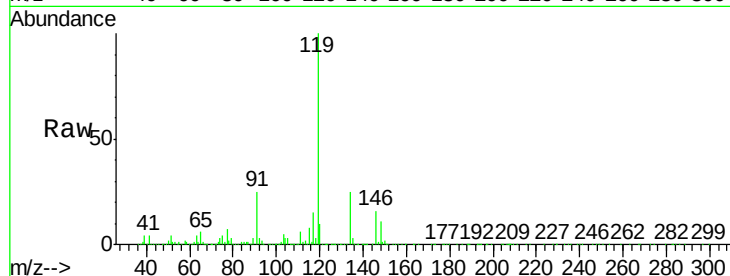




#85
p-Isopropyltoluene
Concen: 24.79 ug/l
RT: 13.12 min Scan# 984
Delta R.T. -0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

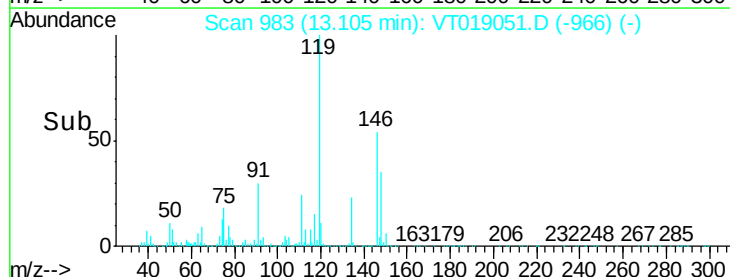
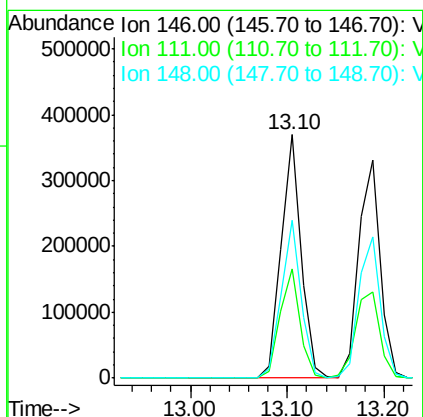
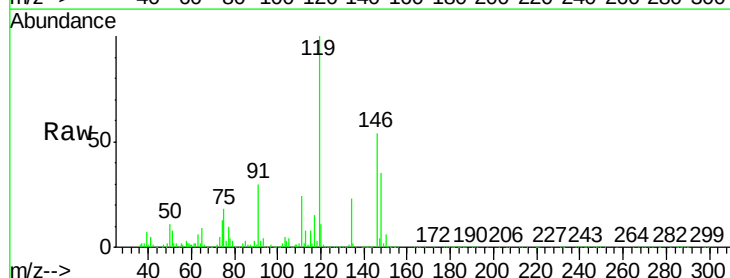
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBS01

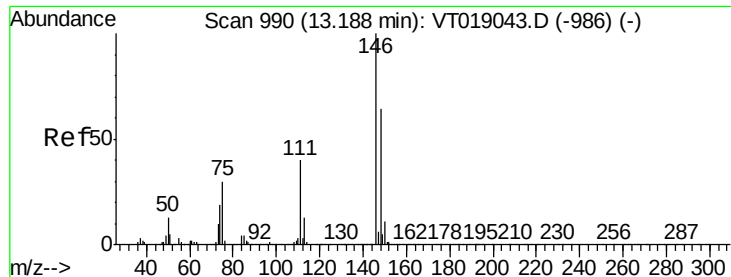
Tot Ion:119 Resp: 1313171
Ion Ratio Lower Upper
119 100
134 25.0 14.1 42.3
91 24.6 13.5 40.4



#86
1,3-Dichlorobenzene
Concen: 21.46 ug/l
RT: 13.10 min Scan# 983
Delta R.T. -0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

Tgt Ion:146 Resp: 529925
Ion Ratio Lower Upper
146 100
111 44.6 23.1 69.2
148 65.1 32.5 97.5

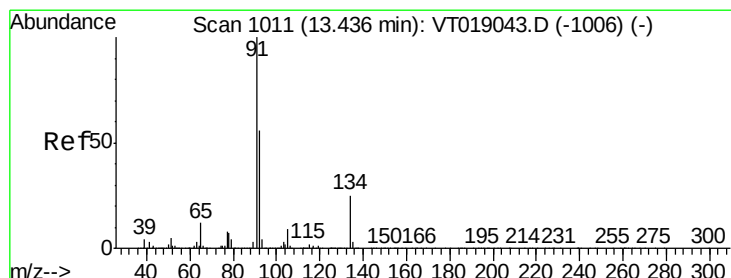
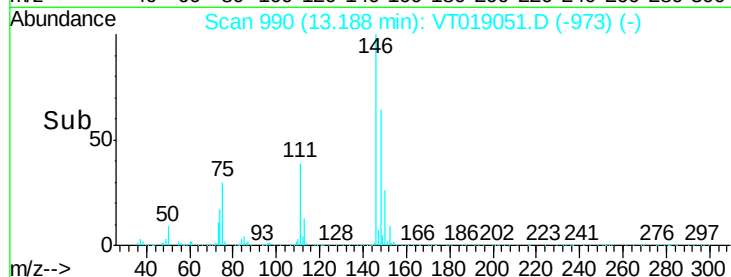
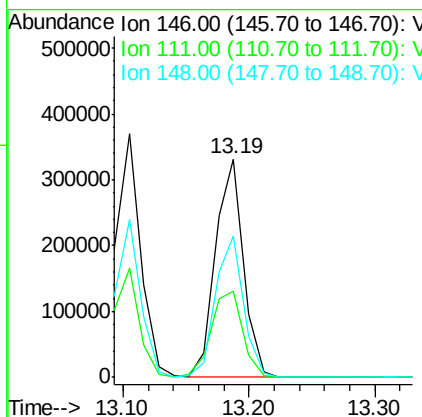
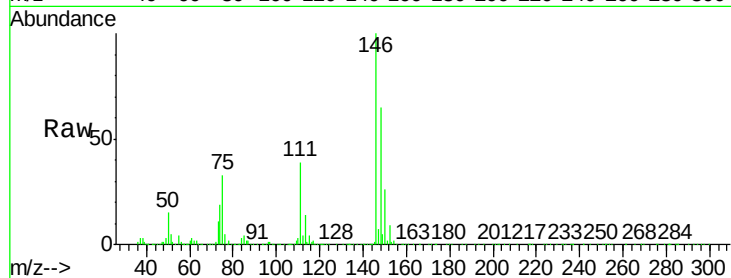




#87
 1,4-Dichlorobenzene
 Concen: 21.27 ug/l
 RT: 13.19 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VT019051.D
 Acq: 9 May 2018 11:43

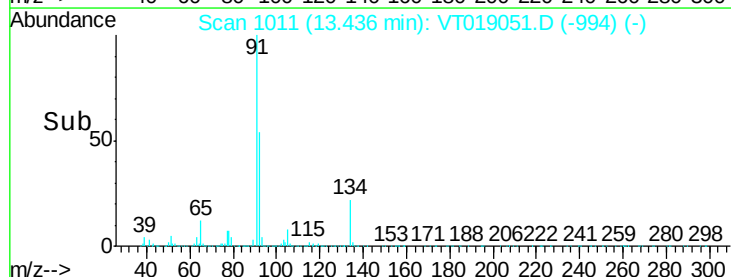
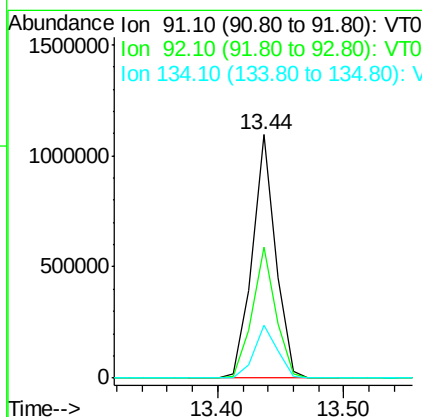
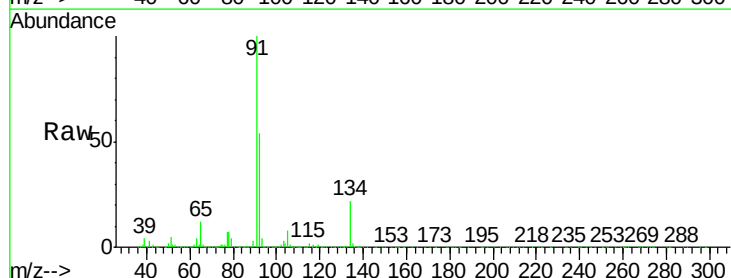
Instrument :
 MSVOA_T
 ClientSampleId :
 VT0509SBS01

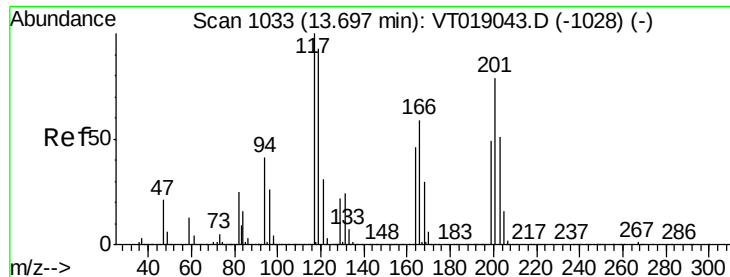
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.3	60.8
148	64.5	32.3	96.8



#88
 n-Butylbenzene
 Concen: 24.96 ug/l
 RT: 13.44 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VT019051.D
 Acq: 9 May 2018 11:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	28.0	84.0
134	21.8	12.4	37.0





#89

Hexachloroethane

Concen: 21.31 ug/l

RT: 13.70 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

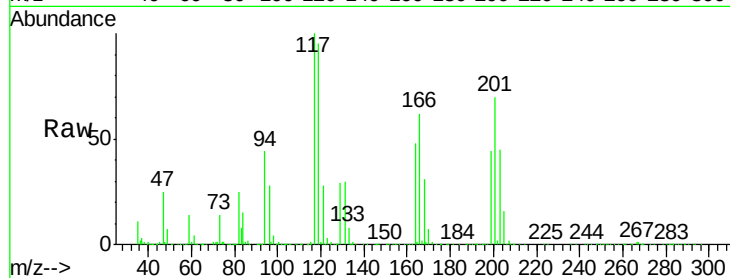
VT0509SBS01

Tot Ion:117 Resp: 195755

Ion Ratio Lower Upper

117 100

201 69.6 39.4 118.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 200.80 (200.50 to 201.50): V

13.70

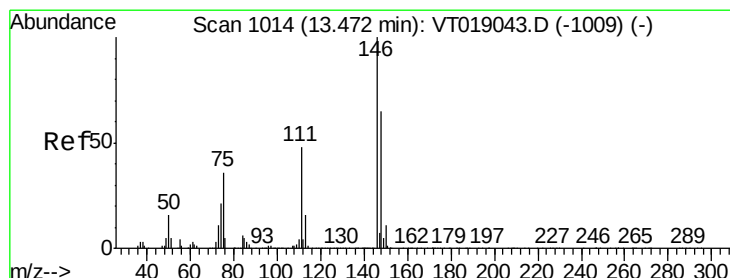
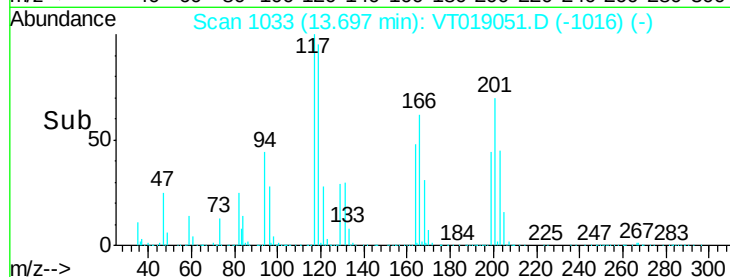
150000

100000

50000

0

Time--> 13.60 13.65 13.70 13.75



#90

1,2-Dichlorobenzene

Concen: 19.98 ug/l

RT: 13.47 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

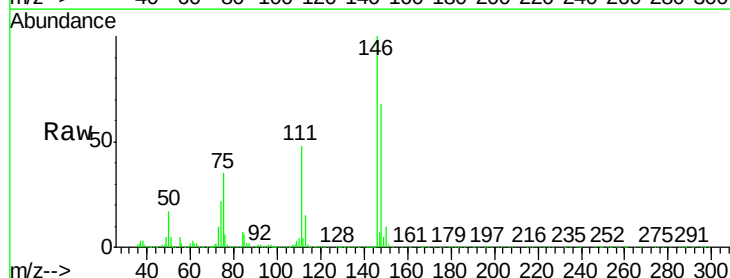
Tgt Ion:146 Resp: 412394

Ion Ratio Lower Upper

146 100

111 47.5 23.8 71.2

148 67.8 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

400000

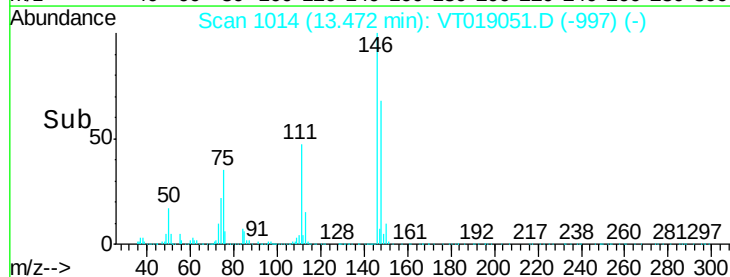
300000

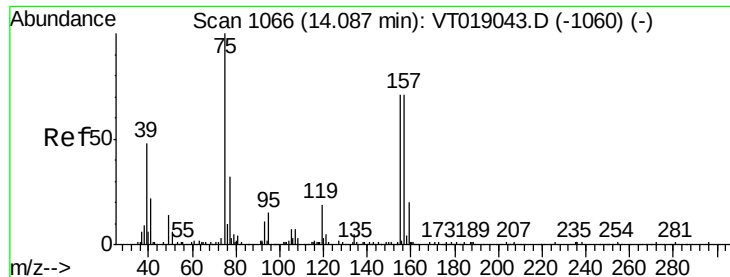
200000

100000

0

Time--> 13.40 13.50





#91

1,2-Dibromo-3-Chloropropane

Concen: 15.47 ug/l

RT: 14.09 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

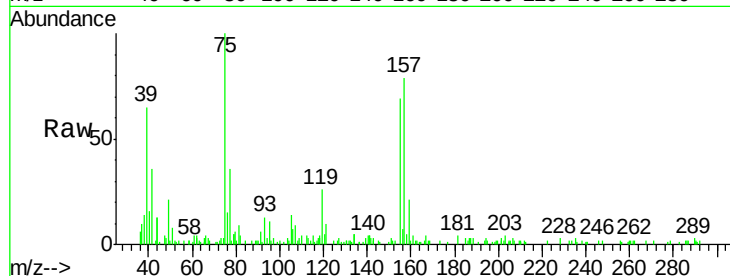
Tot Ion: 75 Resp: 19396

Ion Ratio Lower Upper

75 100

155 69.1 35.6 106.8

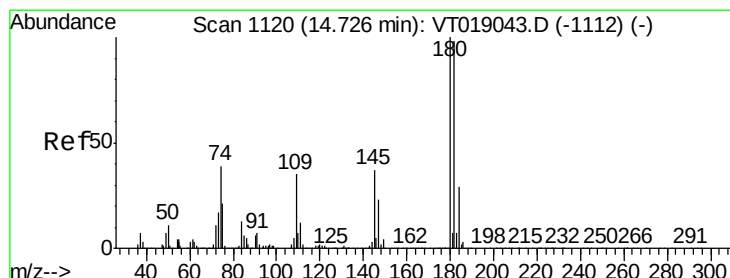
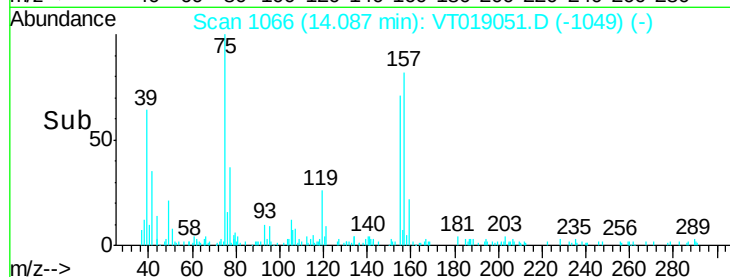
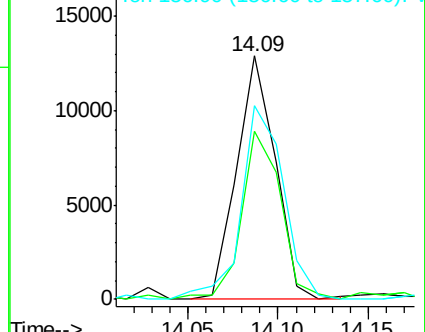
157 79.5 35.8 107.3



Abundance Ion 75.00 (74.70 to 75.70): VT019051.D (-1049) (-)

Ion 154.90 (154.60 to 155.60): VT019051.D (-1049) (-)

Ion 156.90 (156.60 to 157.60): VT019051.D (-1049) (-)



#92

1,2,4-Trichlorobenzene

Concen: 19.69 ug/l

RT: 14.73 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

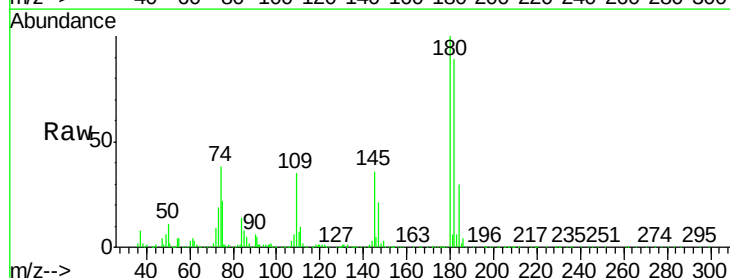
Tgt Ion: 180 Resp: 271608

Ion Ratio Lower Upper

180 100

182 89.0 49.0 147.0

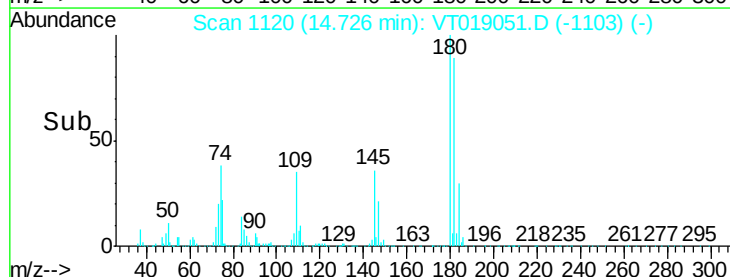
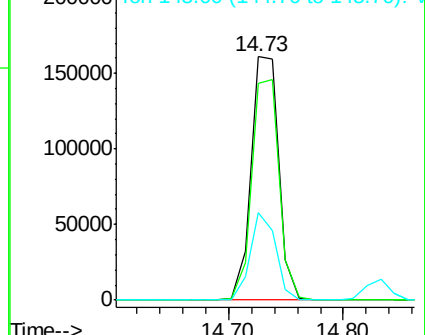
145 35.8 18.3 54.9

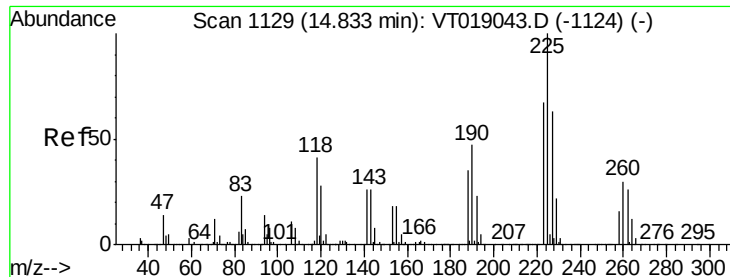


Abundance Ion 179.90 (179.60 to 180.60): VT019051.D (-1103) (-)

Ion 181.90 (181.60 to 182.60): VT019051.D (-1103) (-)

Ion 145.00 (144.70 to 145.70): VT019051.D (-1103) (-)

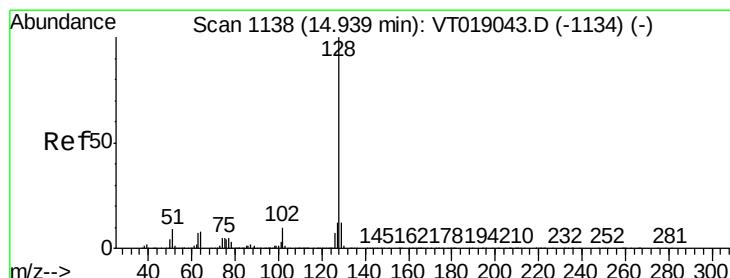
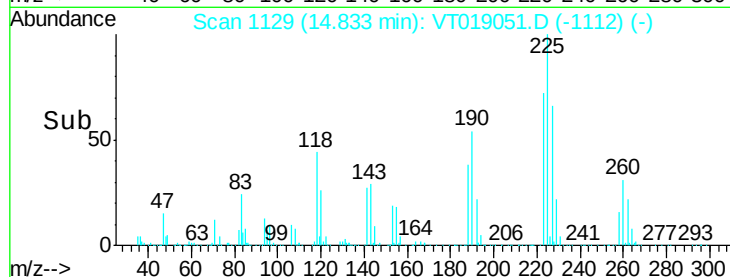
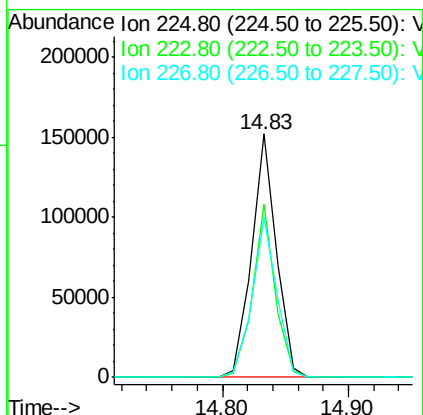
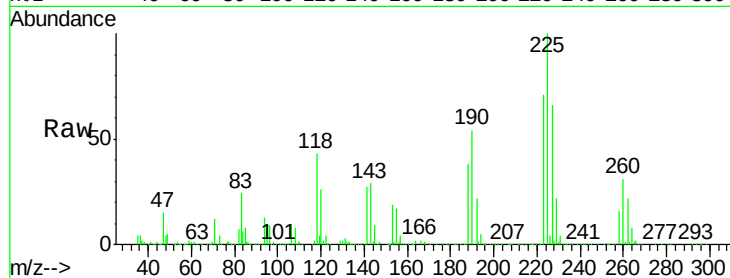




#93
Hexachlorobutadiene
Concen: 20.68 ug/l
RT: 14.83 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

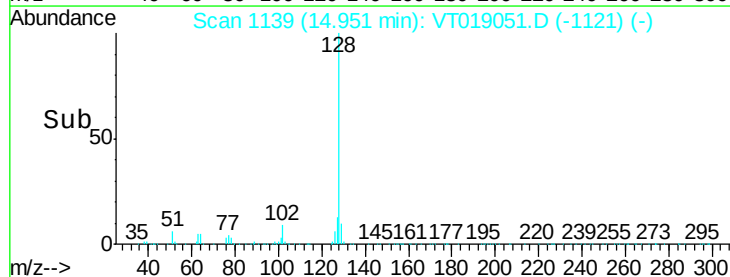
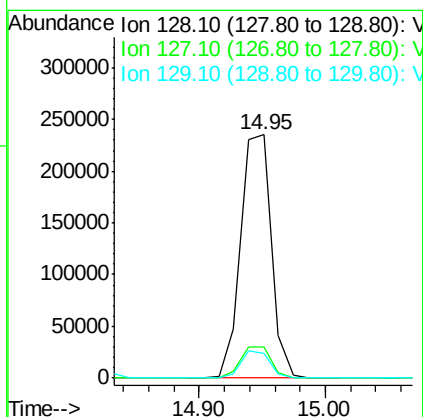
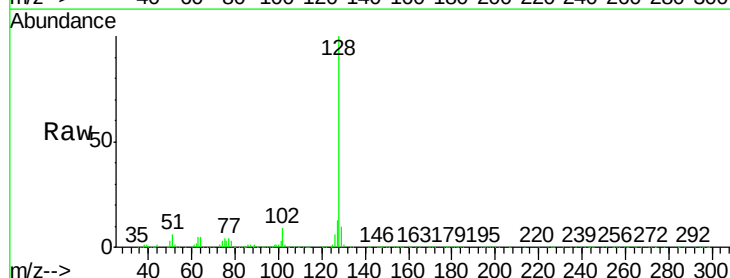
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBS01

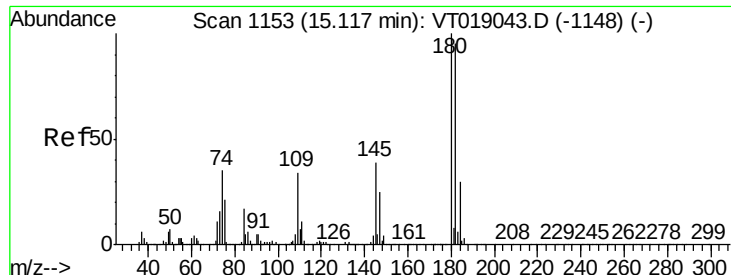
Tot Ion:225 Resp: 208428
Ion Ratio Lower Upper
225 100
223 71.4 33.5 100.4
227 66.1 31.7 95.1



#94
Naphthalene
Concen: 17.90 ug/l
RT: 14.95 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VT019051.D
Acq: 9 May 2018 11:43

Tgt Ion:128 Resp: 398980
Ion Ratio Lower Upper
128 100
127 13.0 9.9 14.9
129 10.2 9.3 13.9





#95

1,2,3-Trichlorobenzene

Concen: 18.94 ug/l

RT: 15.12 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VT019051.D

Acq: 9 May 2018 11:43

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

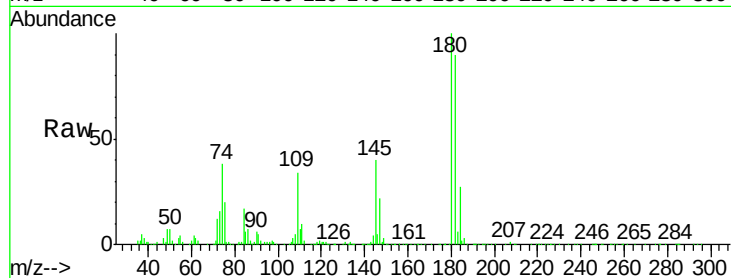
Tot Ion:180 Resp: 215729

Ion Ratio Lower Upper

180 100

182 89.9 47.7 143.1

145 40.2 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

