

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050918\
 Data File : VT019052.D
 Acq On : 9 May 2018 12:14
 Operator : SY/MD
 Sample : VT0509SBSD01
 Misc : 5.00g/5mL/MSVOA T/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT0509SBSD01

Quant Time: May 25 18:06:33 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	1142172	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	1927583	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	1638933	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	787494	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	563259	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
34) Dibromofluoromethane	7.35	113	560637	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
49) Toluene-d8	9.90	98	2539343	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
61) 4-Bromofluorobenzene	12.22	95	950145	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.78	85	278971	19.09	ug/l	94
3) Chloromethane	1.96	50	118864	23.87	ug/l	97
4) Vinyl Chloride	2.10	62	172490	21.41	ug/l	96
5) Bromomethane	2.44	94	134304	20.43	ug/l	97
6) Chloroethane	2.59	64	98720	19.97	ug/l	95
7) Trichlorofluoromethane	2.83	101	446818m	20.65	ug/l	
8) Diethyl Ether	3.21	74	70982	21.62	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.60	101	231350	22.06	ug/l	97
10) Methyl Iodide	3.77	142	333125	21.89	ug/l	90
11) Tert butyl alcohol	4.54	59	47123	85.94	ug/l	99
12) 1,1-Dichloroethene	3.56	96	212024	22.77	ug/l	96
13) Acrolein	3.39	56	27948	104.41	ug/l	93
14) Allyl chloride	4.06	41	450362	22.42	ug/l	98
15) Acrylonitrile	4.70	53	230191	108.98	ug/l	97
16) Acetone	3.60	43	136911	118.96	ug/l #	87
17) Carbon Disulfide	4.06	76	834269m	21.71	ug/l	
18) Methyl Acetate	4.08	43	107946	18.26	ug/l	100
19) Methyl tert-butyl Ether	4.76	73	490906	21.04	ug/l	97
20) Methylene Chloride	4.28	84	261148m	21.07	ug/l	
21) trans-1,2-Dichloroethene	4.74	96	289789	21.08	ug/l	94
22) Diisopropyl ether	5.67	45	804401	21.58	ug/l	97
23) Vinyl Acetate	5.61	43	1817387	109.88	ug/l	99
24) 1,1-Dichloroethane	5.56	63	541678	20.79	ug/l	99
25) 2-Butanone	6.57	43	287645	110.98	ug/l	99
26) 2,2-Dichloropropane	6.55	77	237985	22.64	ug/l	98
27) cis-1,2-Dichloroethene	6.56	96	281181	20.82	ug/l	94
28) Bromochloromethane	6.94	49	177823	20.56	ug/l	95
29) Chloroform	7.13	83	502226	20.60	ug/l	92
30) Cyclohexane	7.43	56	609716	21.59	ug/l	97
31) 1,1,1-Trichloroethane	7.33	97	381460	20.25	ug/l #	89
35) 1,1-Dichloropropene	7.57	75	469660	21.15	ug/l	99
36) Ethyl Acetate	6.67	43	116873	20.42	ug/l #	93
37) Carbon Tetrachloride	7.54	117	348611	19.21	ug/l	94
38) Methylcyclohexane	8.88	83	562620	21.22	ug/l	98

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 Acq On : 9 May 2018 12:14
 Operator : SY/MD
 Sample : VT0509SBSD01
 Misc : 5.00g/5mL/MSVOA T/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT0509SBSD01

Quant Time: May 25 18:06:33 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	1248333	21.51	ug/l #	88
40) Methacrylonitrile	6.96	41	158677	50.16	ug/l #	37
41) 1,2-Dichloroethane	7.91	62	253781	20.13	ug/l	95
42) Isopropyl Acetate	7.96	43	205038	20.80	ug/l	96
43) Trichloroethene	8.63	130	277097	20.76	ug/l	88
44) 1,2-Dichloropropane	8.92	63	283714	20.85	ug/l	97
45) Dibromomethane	9.01	93	114174	21.35	ug/l	93
46) Bromodichloromethane	9.21	83	307619	19.79	ug/l	97
47) Methyl methacrylate	9.01	41	103658	20.35	ug/l	96
48) 1,4-Dioxane	9.01	88	26766	428.84	ug/l	91
50) 4-Methyl-2-Pentanone	9.80	43	591606	109.46	ug/l	96
51) Toluene	9.97	92	723763	21.58	ug/l	95
52) t-1,3-Dichloropropene	10.19	75	294908	20.87	ug/l	93
53) cis-1,3-Dichloropropene	9.65	75	370449	20.58	ug/l	97
54) 1,1,2-Trichloroethane	10.38	97	154059	18.97	ug/l	98
55) Ethyl methacrylate	10.25	69	202974	20.86	ug/l	97
56) 1,3-Dichloropropane	10.53	76	307039	21.13	ug/l	93
57) 2-Chloroethyl Vinyl ether	9.51	63	475977	106.16	ug/l	98
58) 2-Hexanone	10.57	43	427360	109.05	ug/l	95
59) Dibromochloromethane	10.73	129	157676	18.67	ug/l	86
60) 1,2-Dibromoethane	10.82	107	142119	20.25	ug/l	88
63) Tetrachloroethene	10.45	164	225406	20.10	ug/l	99
64) Chlorobenzene	11.25	112	720406	21.22	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.33	131	226751	20.58	ug/l	95
66) Ethyl Benzene	11.33	91	1513931	23.26	ug/l	98
67) m/p-Xylenes	11.45	106	1092559	45.14	ug/l	97
68) o-Xylene	11.77	106	497816	21.92	ug/l	99
69) Stvrene	11.78	104	777960	22.12	ug/l #	88
70) Bromoform	11.95	173	84237	20.12	ug/l #	90
72) Isopropylbenzene	12.08	105	1482675	23.32	ug/l	97
73) N-amyl acetate	11.90	43	219369	20.93	ug/l	92
74) 1,1,2,2-Tetrachloroethane	12.32	83	199851	21.36	ug/l	99
75) 1,2,3-Trichloropropane	12.37	75	135650m	20.25	ug/l	
76) Bromobenzene	12.35	156	261094	20.74	ug/l	91
77) n-propylbenzene	12.41	91	1927877	20.73	ug/l	89
78) 2-Chlorotoluene	12.49	91	1040791	22.30	ug/l	98
79) 1,3,5-Trimethylbenzene	12.56	105	1270667	23.02	ug/l	100
80) trans-1,4-Dichloro-2-buten	12.12	75	48897	19.41	ug/l	97
81) 4-Chlorotoluene	12.60	91	1240129	21.87	ug/l	99
82) tert-Butylbenzene	12.82	119	1274669	26.50	ug/l	97
83) 1,2,4-Trimethylbenzene	12.86	105	1273913	22.76	ug/l	100
84) sec-Butylbenzene	13.00	105	1583869	23.37	ug/l	96
85) p-Isopropyltoluene	13.12	119	1306124	22.92	ug/l	97
86) 1,3-Dichlorobenzene	13.10	146	551445	20.76	ug/l	99
87) 1,4-Dichlorobenzene	13.19	146	540243	20.92	ug/l	99
88) n-Butylbenzene	13.44	91	1440502	23.60	ug/l	95
89) Hexachloroethane	13.70	117	195496	19.78	ug/l	97
90) 1,2-Dichlorobenzene	13.47	146	469461	21.14	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	14.09	75	26661	19.77	ug/l	82
92) 1,2,4-Trichlorobenzene	14.73	180	283078	19.07	ug/l	97

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050918\
Data File : VT019052.D
Acq On : 9 May 2018 12:14
Operator : SY/MD
Sample : VT0509SBSD01
Misc : 5.00g/5mL/MSVOA T/SOIL
ALS Vial : 5 Sample Multiplier: 1

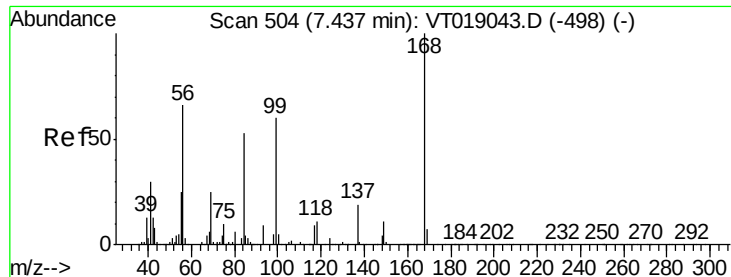
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBSD01

Quant Time: May 25 18:06:33 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	211298	19.49	ug/l	93
94) Naphthalene	14.94	128	449213	18.74	ug/l	100
95) 1,2,3-Trichlorobenzene	15.12	180	238121	19.44	ug/l	98

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

Page: 4



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 504

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

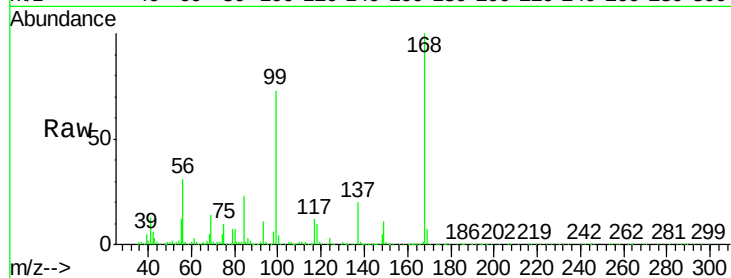
VT0509SBSD01

Tot Ion:168 Resp: 1142172

Ion Ratio Lower Upper

168 100

99 72.9 59.0 88.4



Abundance Ion 168.00 (167.70 to 168.70): VT0

Ion 99.00 (98.70 to 99.70): VT0

7.44

400000

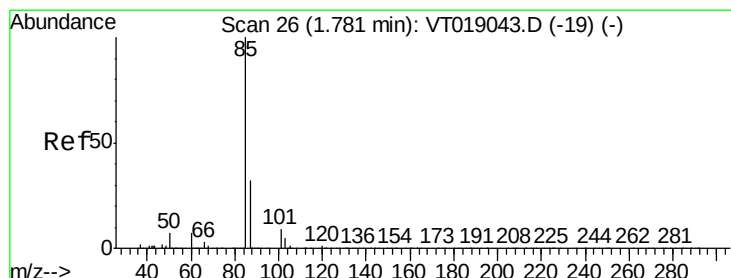
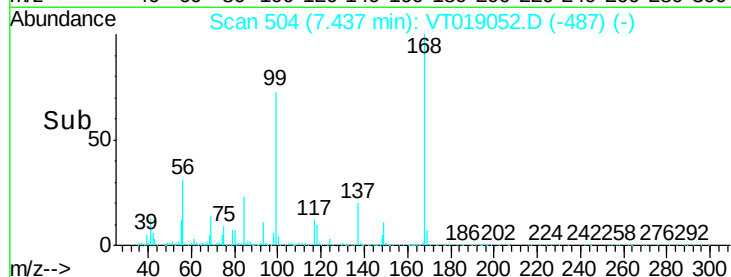
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.09 ug/l

RT: 1.78 min Scan# 26

Delta R.T. -0.00 min

Lab File: VT019052.D

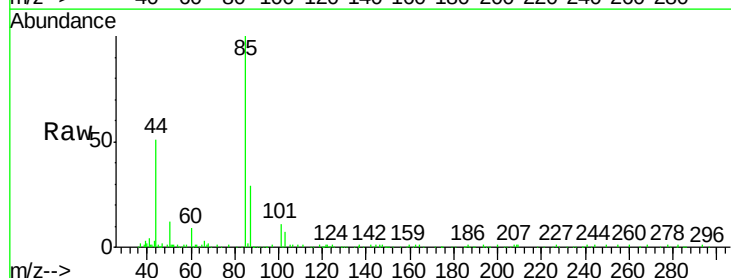
Acq: 9 May 2018 12:14

Tgt Ion: 85 Resp: 278971

Ion Ratio Lower Upper

85 100

87 29.3 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

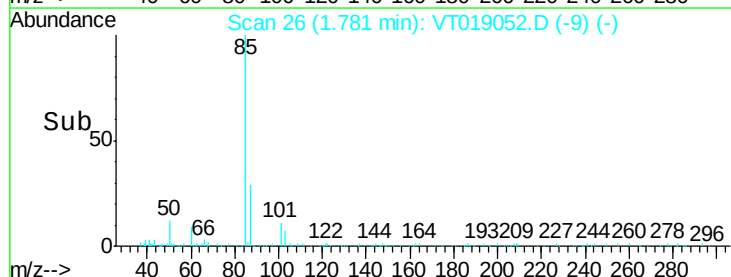
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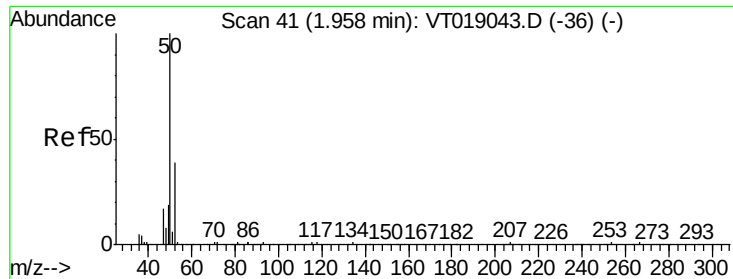
20000

10000

0

Time-->





#3

Chloromethane

Concen: 23.87 ug/l

RT: 1.96 min Scan# 41

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

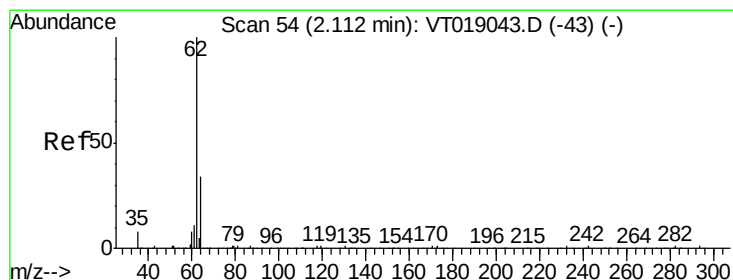
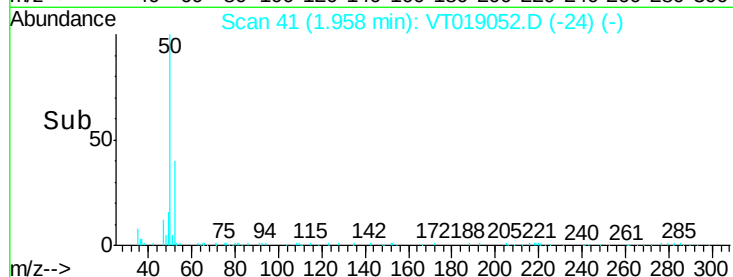
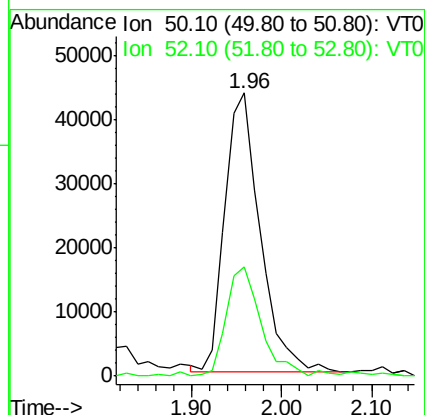
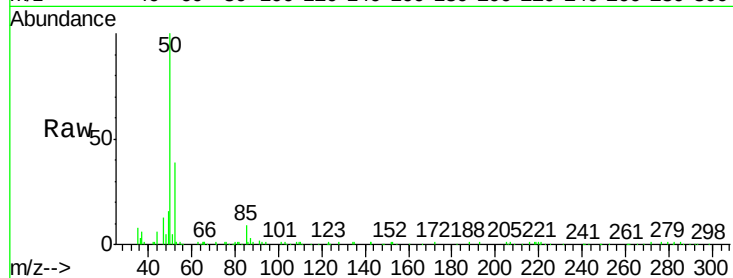
VT0509SBSD01

Tot Ion: 50 Resp: 118864

Ion Ratio Lower Upper

50 100

52 39.7 30.1 45.1



#4

Vinyl Chloride

Concen: 21.41 ug/l

RT: 2.10 min Scan# 53

Delta R.T. -0.01 min

Lab File: VT019052.D

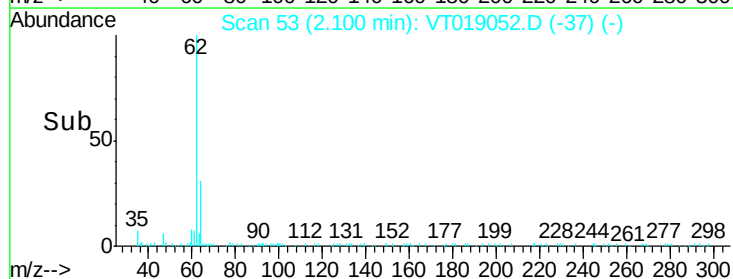
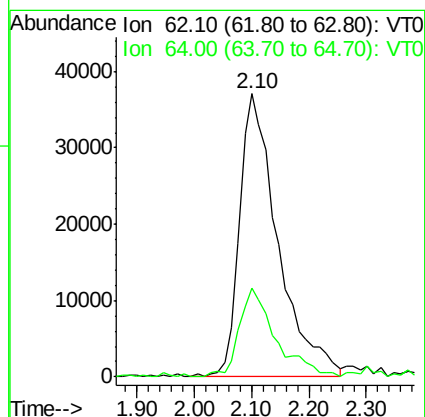
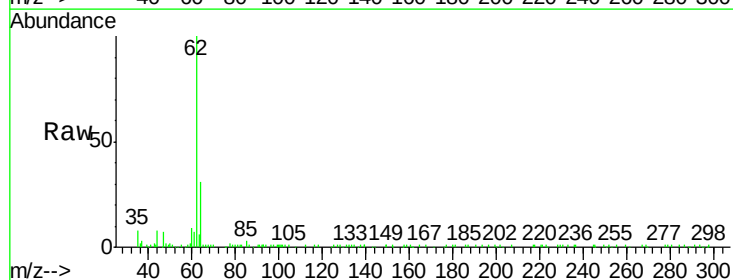
Acq: 9 May 2018 12:14

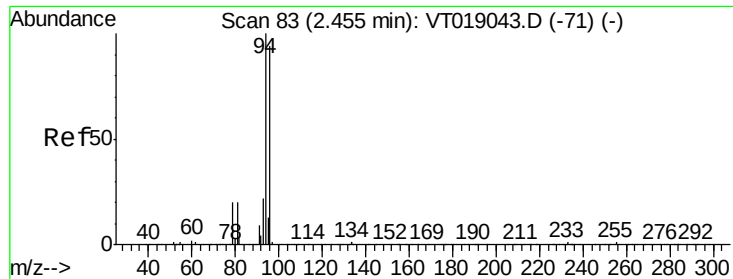
Tgt Ion: 62 Resp: 172490

Ion Ratio Lower Upper

62 100

64 31.4 27.0 40.4





#5

Bromomethane

Concen: 20.43 ug/l

RT: 2.44 min Scan# 82

Delta R.T. -0.01 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

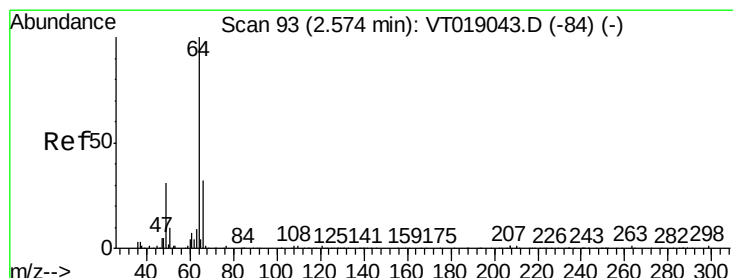
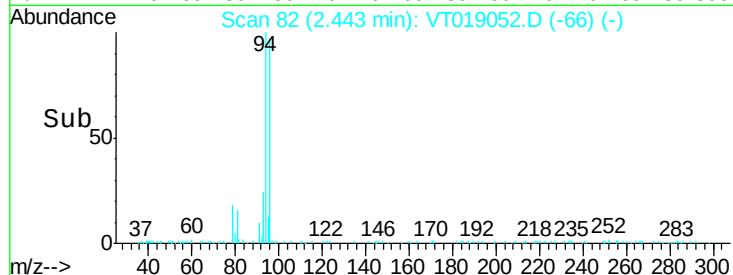
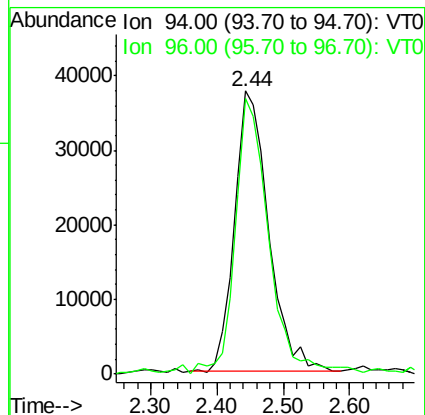
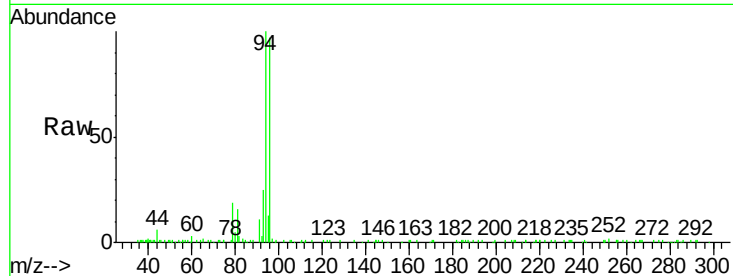
VT0509SBSD01

Tot Ion: 94 Resp: 134304

Ion Ratio Lower Upper

94 100

96 97.2 75.3 112.9



#6

Chloroethane

Concen: 19.97 ug/l

RT: 2.59 min Scan# 94

Delta R.T. 0.01 min

Lab File: VT019052.D

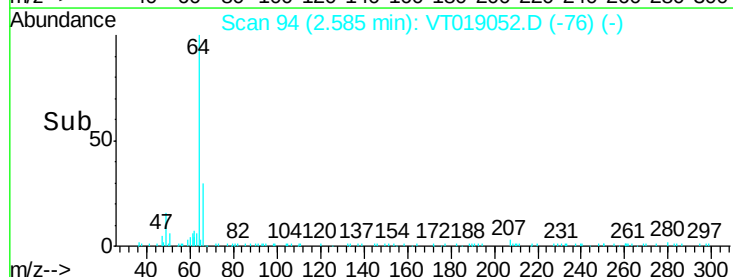
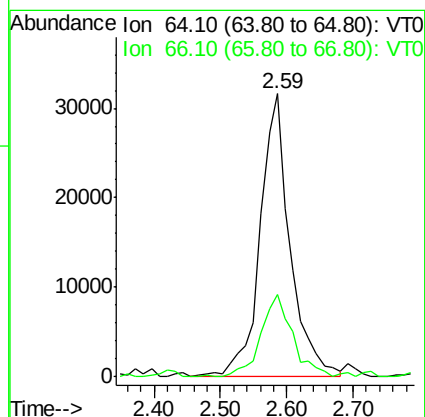
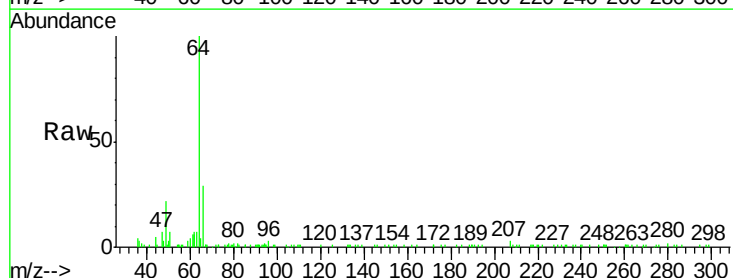
Acq: 9 May 2018 12:14

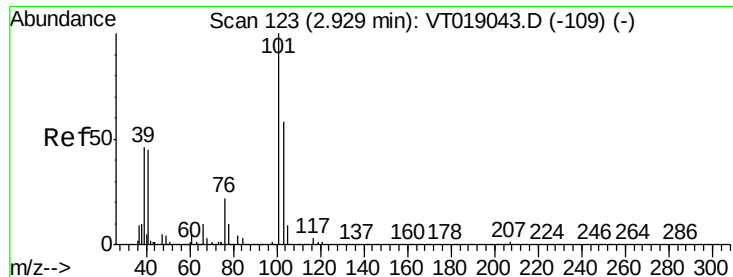
Tgt Ion: 64 Resp: 98720

Ion Ratio Lower Upper

64 100

66 29.3 25.8 38.8



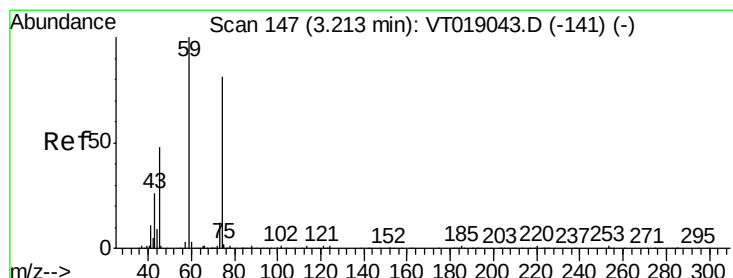
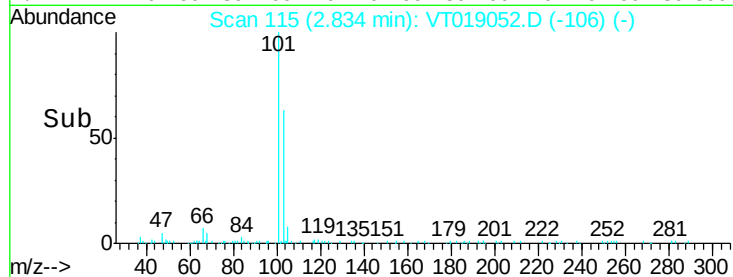
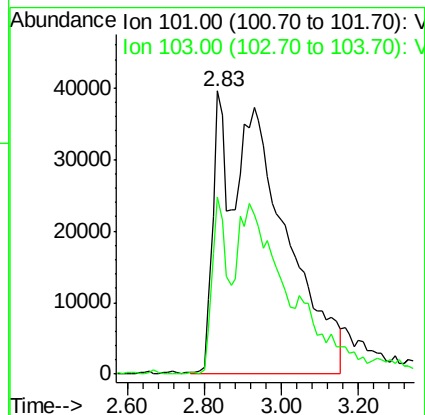
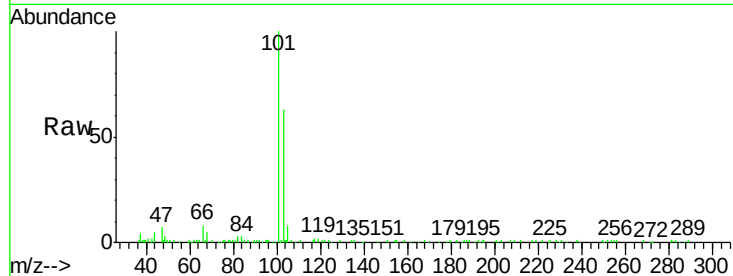


#7

Trichlorofluoromethane
 Concen: 20.65 ug/l m
 RT: 2.83 min Scan# 115
 Delta R.T. -0.09 min
 Lab File: VT019052.D
 Acq: 9 May 2018 12:14

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 MSVOA_T
 ClientSampleId :
 VT0509SBSD01

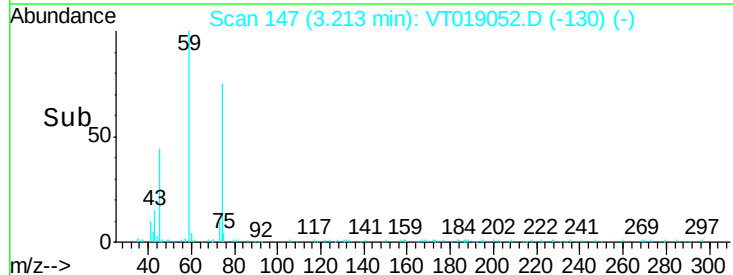
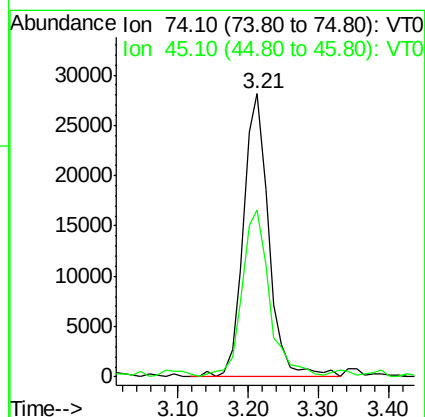
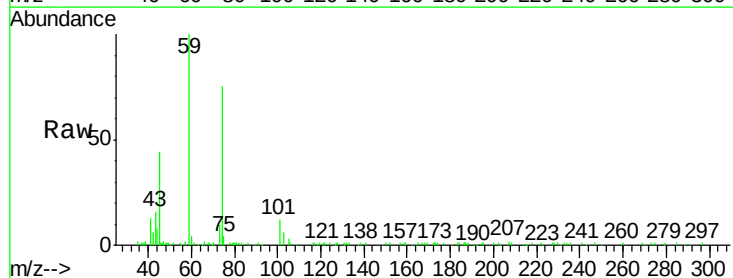
Tot Ion:101 Resp: 446818
 Ion Ratio Lower Upper
 101 100
 103 62.8 46.5 69.7

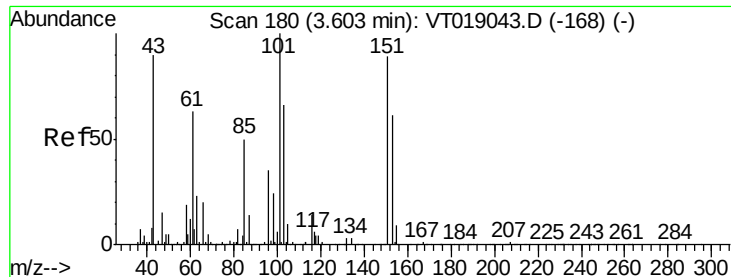


#8

Diethyl Ether
 Concen: 21.62 ug/l
 RT: 3.21 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VT019052.D
 Acq: 9 May 2018 12:14

Tgt Ion: 74 Resp: 70982
 Ion Ratio Lower Upper
 74 100
 45 59.2 29.8 89.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.06 ug/l

RT: 3.60 min Scan# 180

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBSD01

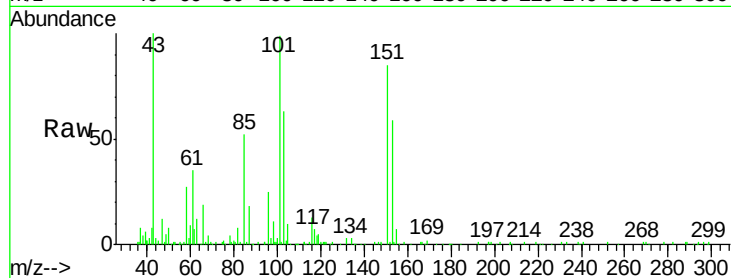
Tot Ion:101 Resp: 231350

Ion Ratio Lower Upper

101 100

85 52.3 39.5 59.3

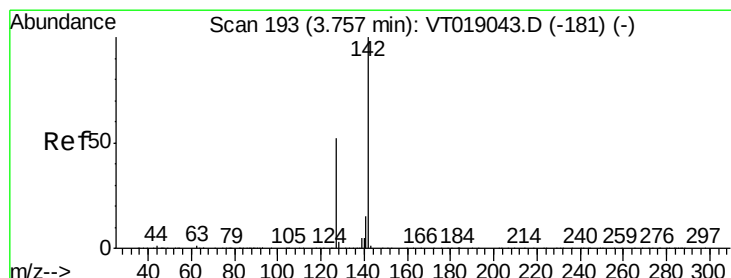
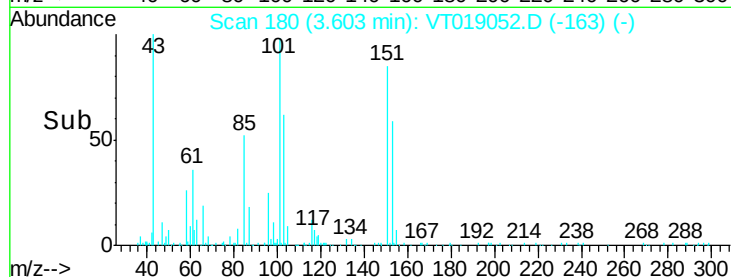
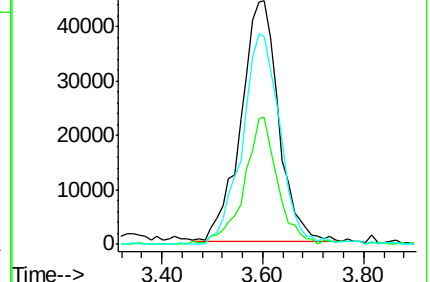
151 85.6 69.9 104.9



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: 21.89 ug/l

RT: 3.77 min Scan# 194

Delta R.T. 0.01 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

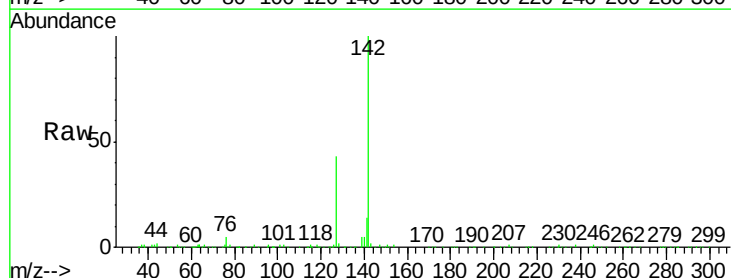
Tgt Ion:142 Resp: 333125

Ion Ratio Lower Upper

142 100

127 43.3 41.8 62.8

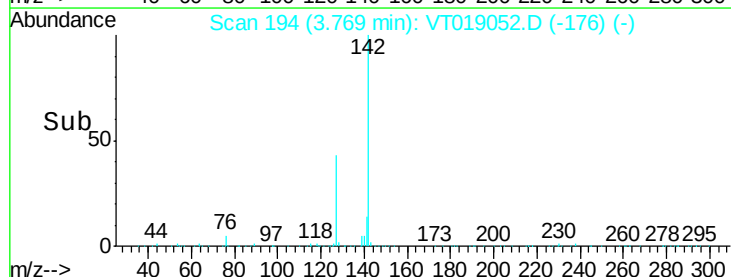
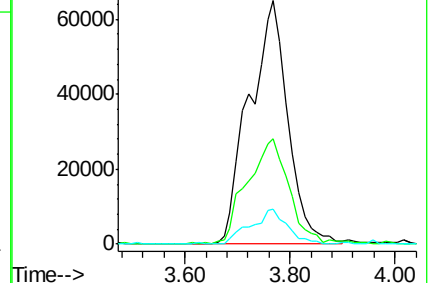
141 14.5 12.0 18.0

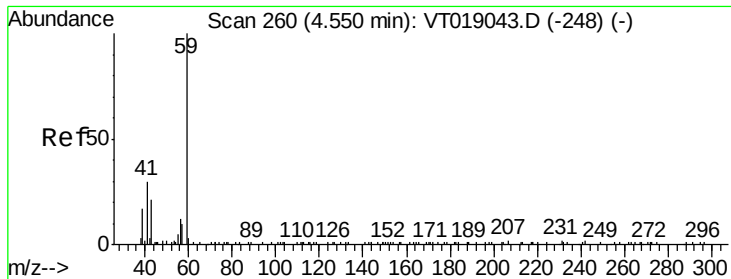


Abundance Ion 141.90 (141.60 to 142.60): V

Ion 126.90 (126.60 to 127.60): V

Ion 140.90 (140.60 to 141.60): V



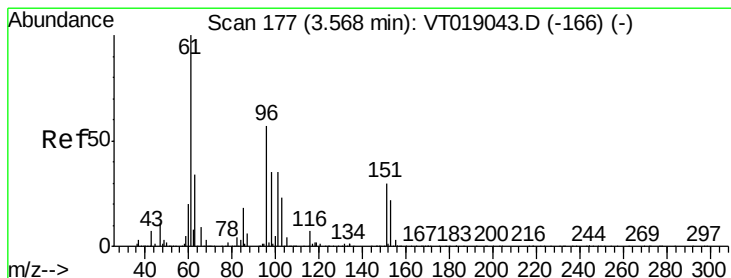
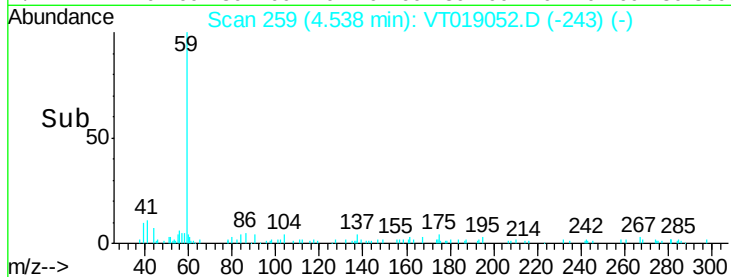
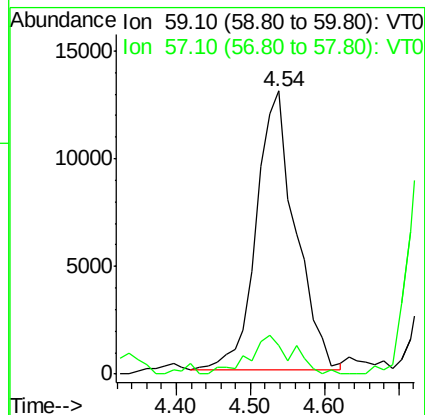
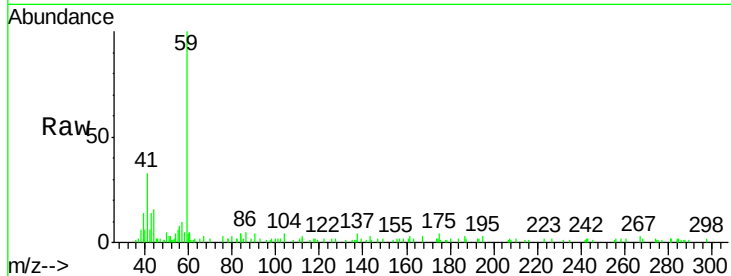


#11

Tert butyl alcohol
Concen: 85.94 ug/l
RT: 4.54 min Scan# 259
Delta R.T. -0.01 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Instrument :
MSVOA_T
ClientSampleId :
VT0509SBS01

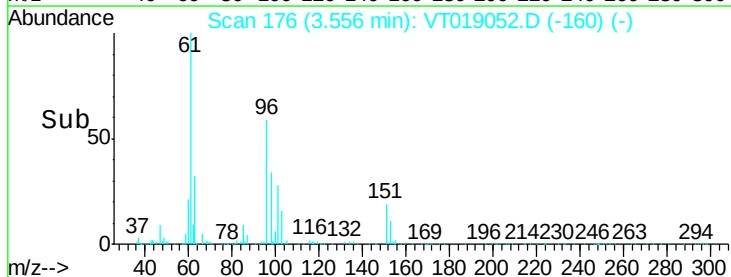
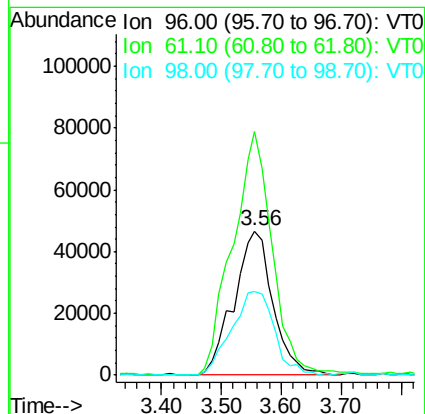
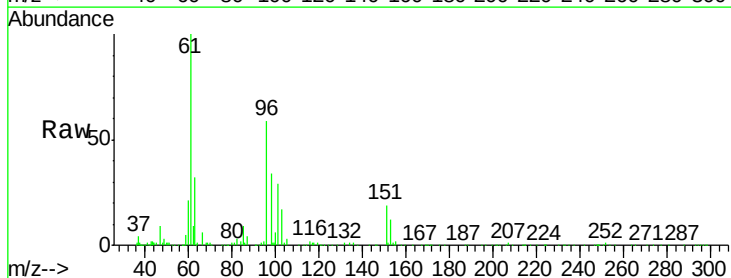
Tot Ion: 59 Resp: 47123
Ion Ratio Lower Upper
59 100
57 10.0 7.7 11.5

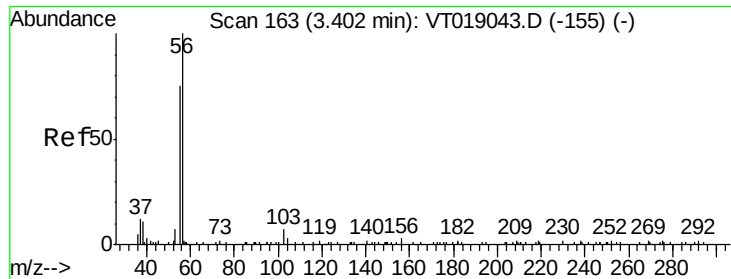


#12

1,1-Dichloroethene
Concen: 22.77 ug/l
RT: 3.56 min Scan# 176
Delta R.T. -0.01 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Tgt Ion: 96 Resp: 212024
Ion Ratio Lower Upper
96 100
61 169.4 139.4 209.2
98 58.1 49.4 74.2





#13

Acrolein

Concen: 104.41 ug/l

RT: 3.39 min Scan# 162

Delta R.T. -0.01 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

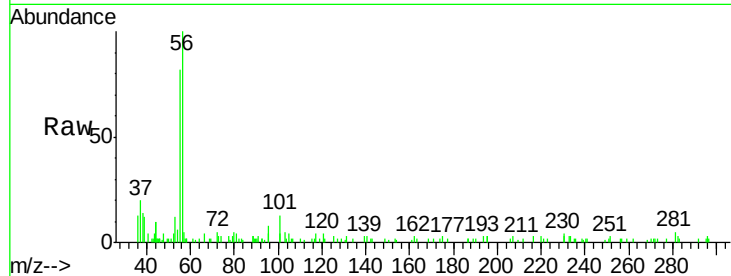
VT0509SBSD01

Tot Ion: 56 Resp: 27948

Ion Ratio Lower Upper

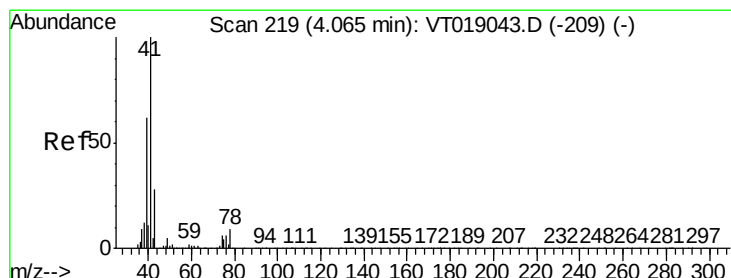
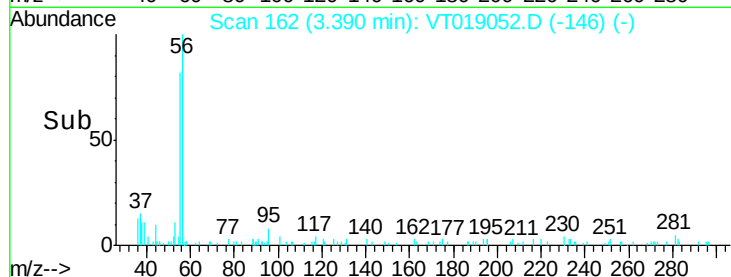
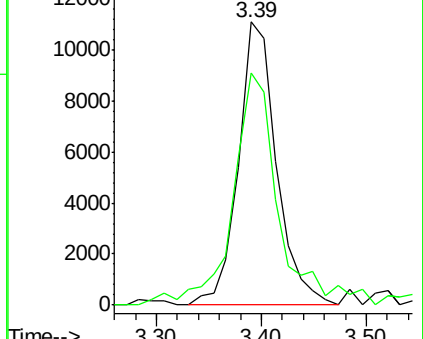
56 100

55 82.2 60.8 91.2



Abundance Ion 56.10 (55.80 to 56.80): VT0

Ion 55.10 (54.80 to 55.80): VT0



#14

Allyl chloride

Concen: 22.42 ug/l

RT: 4.06 min Scan# 219

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

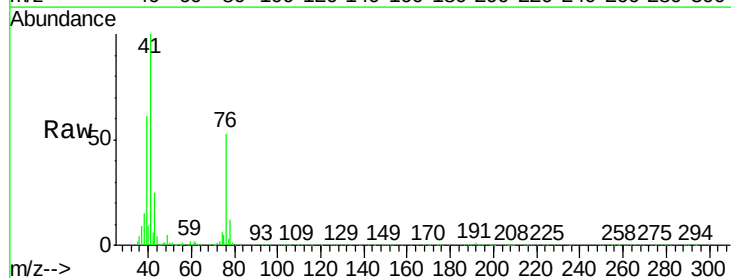
Tgt Ion: 41 Resp: 450362

Ion Ratio Lower Upper

41 100

39 60.6 49.5 74.3

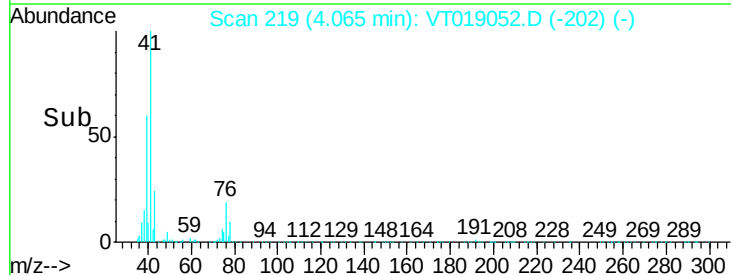
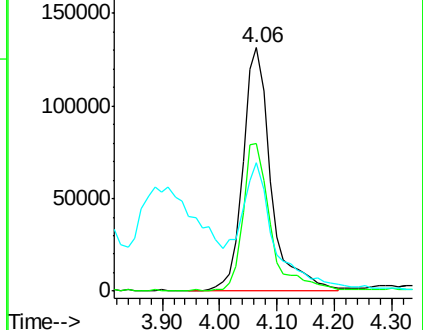
76 52.7 44.0 66.0

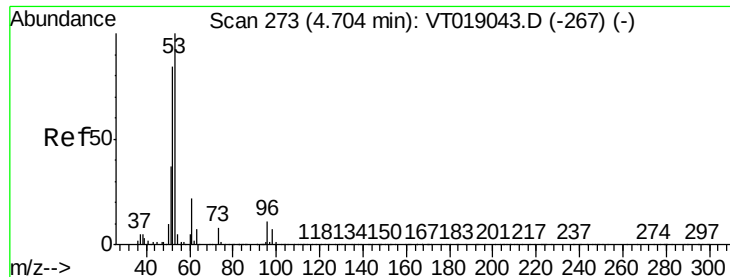


Abundance Ion 41.10 (40.80 to 41.80): VT0

Ion 39.10 (38.80 to 39.80): VT0

Ion 76.10 (75.80 to 76.80): VT0





#15

Acrylonitrile

Concen: 108.98 ug/l

RT: 4.70 min Scan# 273

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

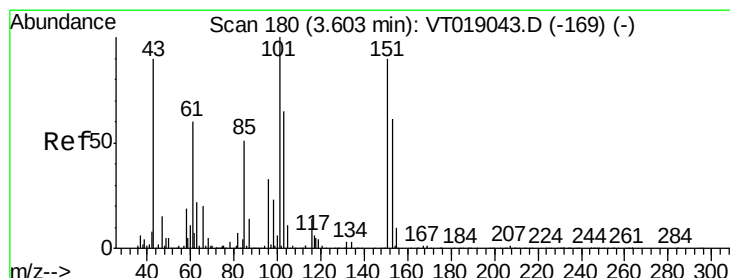
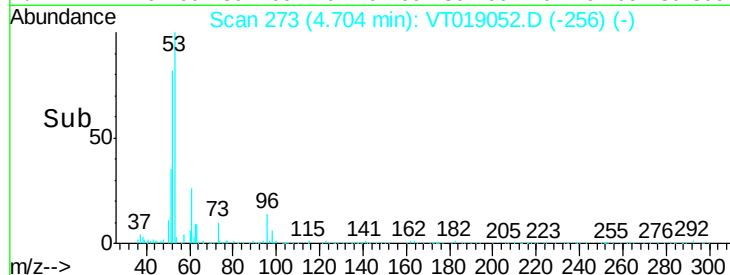
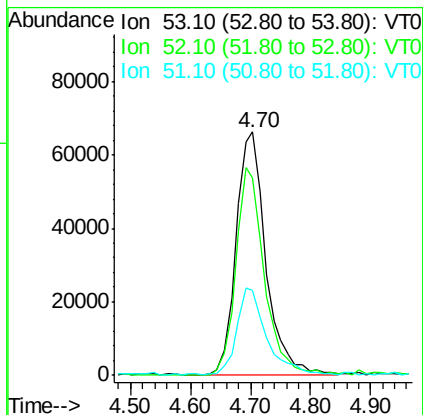
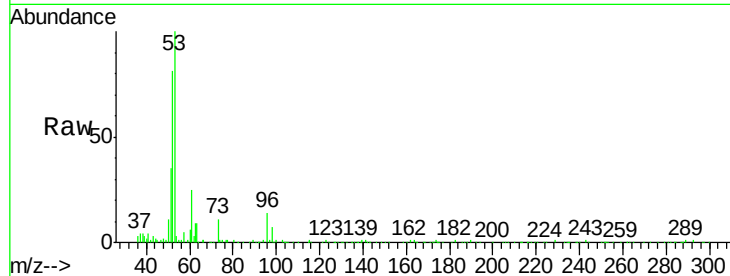
Tot Ion: 53 Resp: 230191

Ion Ratio Lower Upper

53 100

52 81.2 67.4 101.0

51 34.8 29.6 44.4



#16

Acetone

Concen: 118.96 ug/l

RT: 3.60 min Scan# 180

Delta R.T. -0.00 min

Lab File: VT019052.D

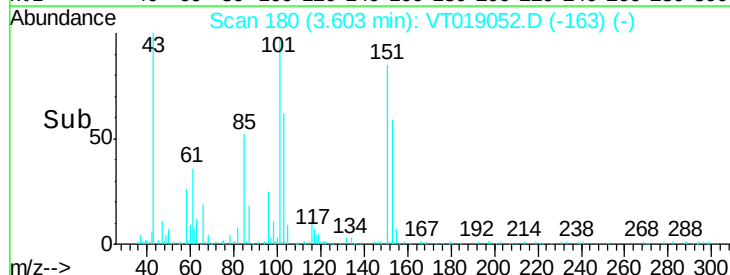
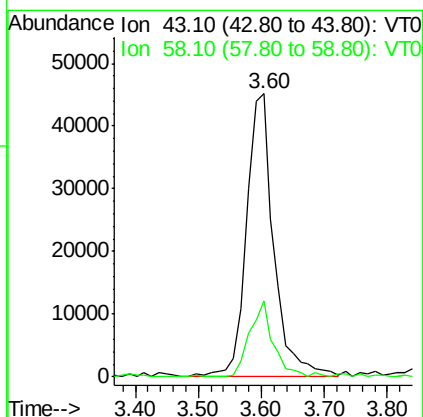
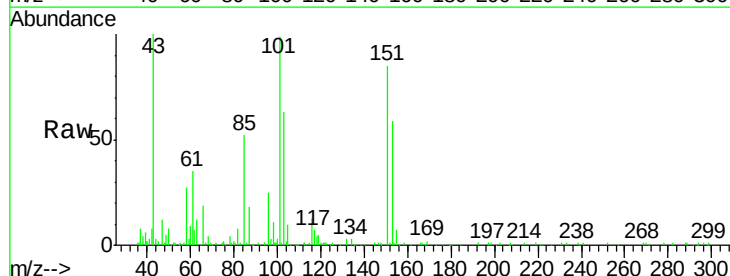
Acq: 9 May 2018 12:14

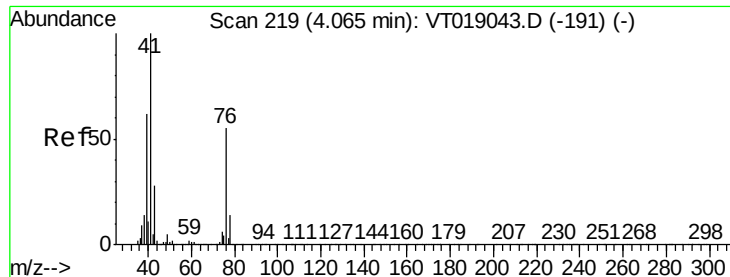
Tgt Ion: 43 Resp: 136911

Ion Ratio Lower Upper

43 100

58 26.9 16.7 25.1#





#17

Carbon Disulfide

Concen: 21.71 ug/l m

RT: 4.06 min Scan# 219

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

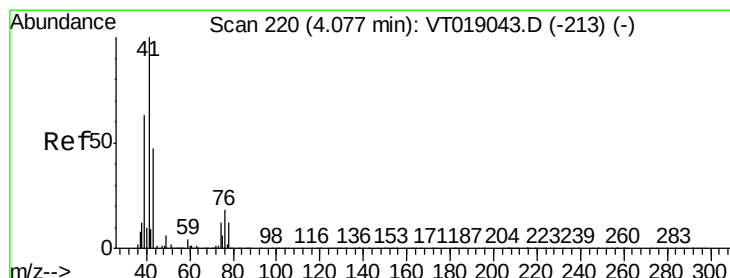
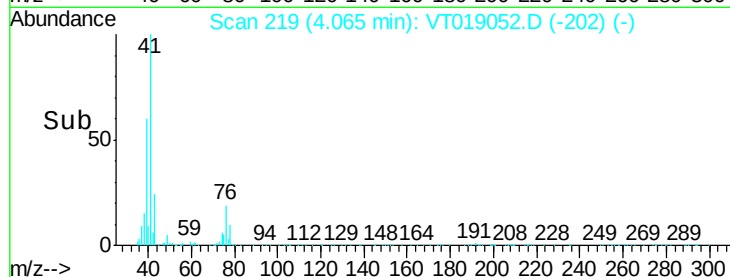
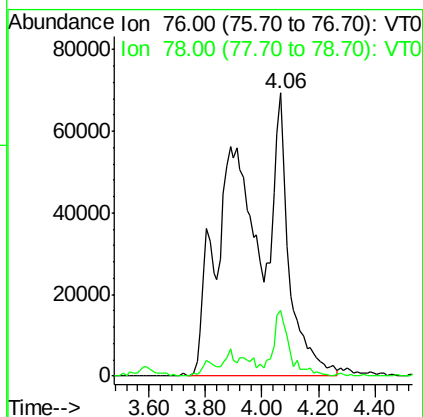
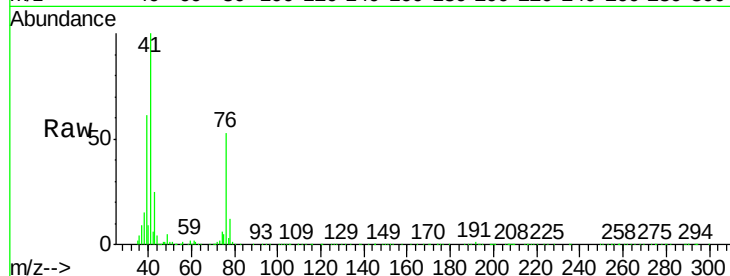
VT0509SBSD01

Tot Ion: 76 Resp: 834269

Ion Ratio Lower Upper

76 100

78 23.1 19.8 29.8



#18

Methyl Acetate

Concen: 18.26 ug/l

RT: 4.08 min Scan# 220

Delta R.T. -0.00 min

Lab File: VT019052.D

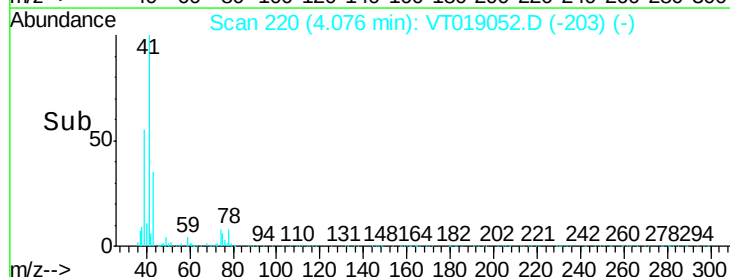
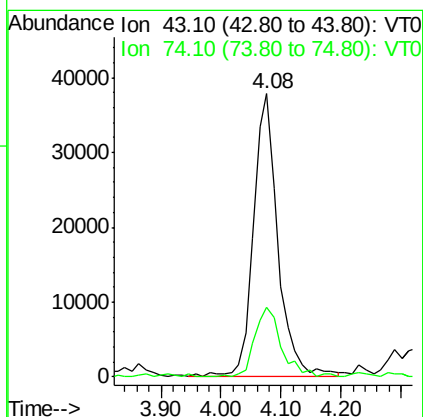
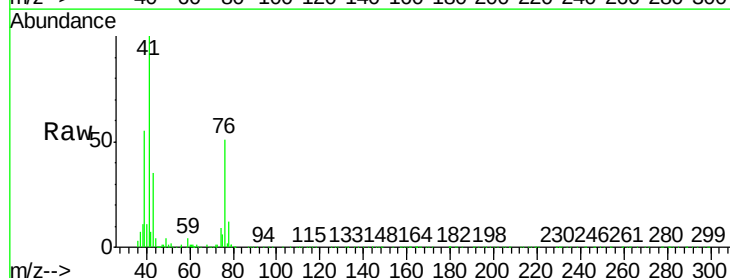
Acq: 9 May 2018 12:14

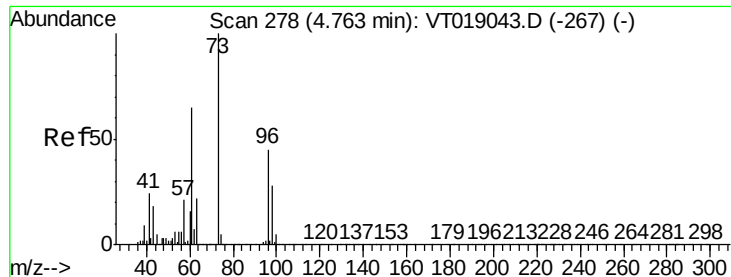
Tgt Ion: 43 Resp: 107946

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8





#19

Methyl tert-butyl Ether

Concen: 21.04 ug/l

RT: 4.76 min Scan# 278

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

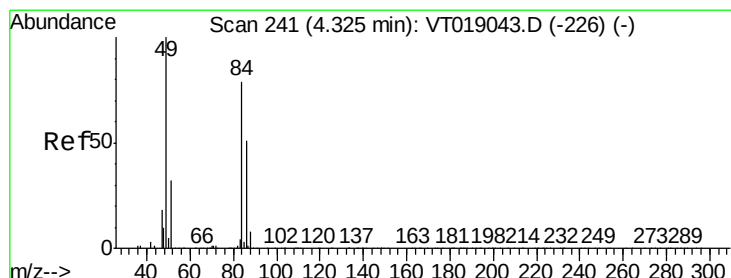
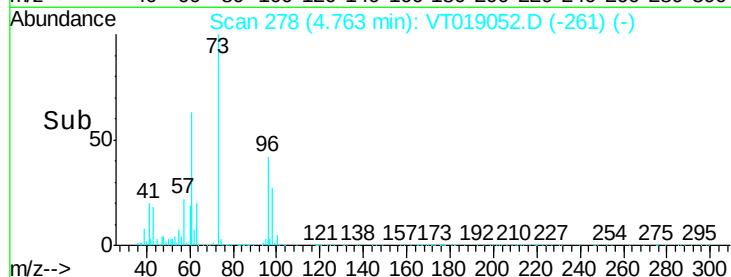
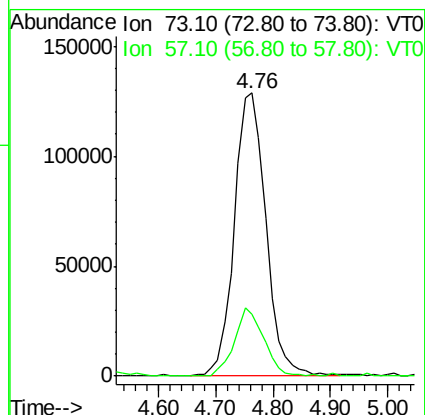
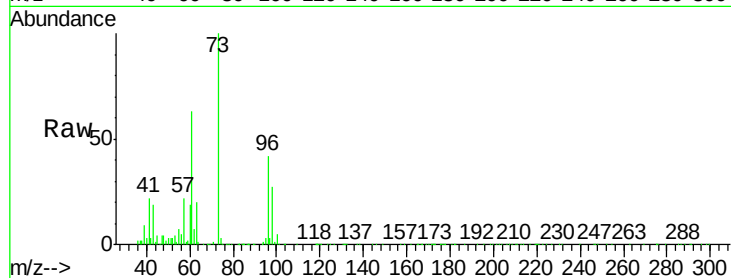
VT0509SBS01

Tot Ion: 73 Resp: 490906

Ion Ratio Lower Upper

73 100

57 22.1 16.6 25.0



#20

Methylene Chloride

Concen: 21.07 ug/l m

RT: 4.28 min Scan# 237

Delta R.T. -0.05 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Tgt Ion: 84 Resp: 261148

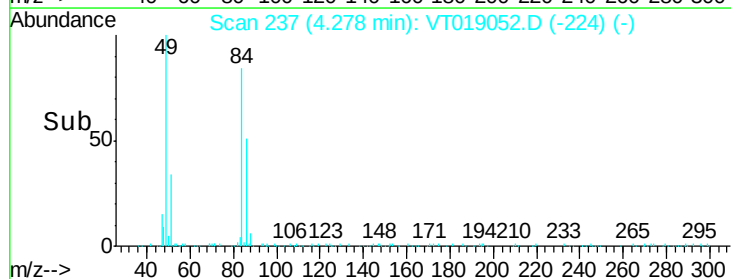
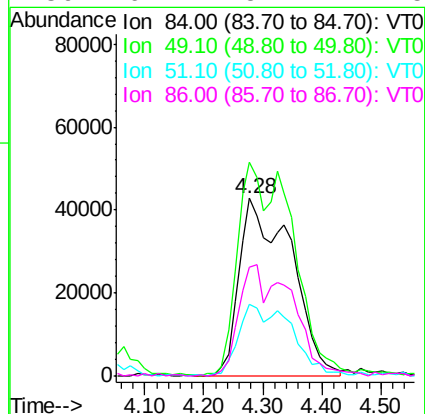
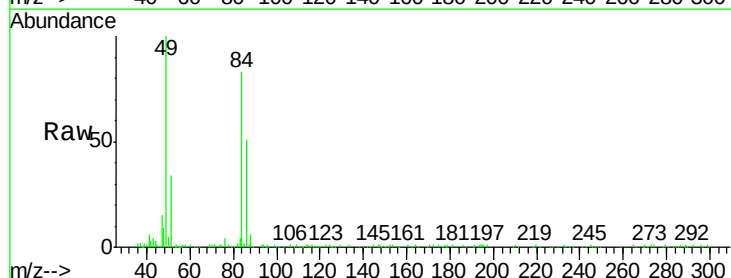
Ion Ratio Lower Upper

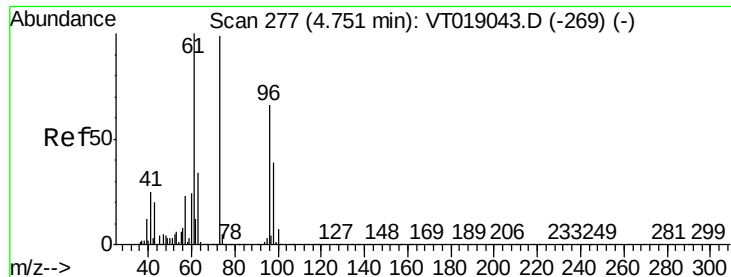
84 100

49 120.3 103.0 154.4

51 40.3 33.3 49.9

86 61.2 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 21.08 ug/l

RT: 4.74 min Scan# 276

Delta R.T. -0.01 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBSD01

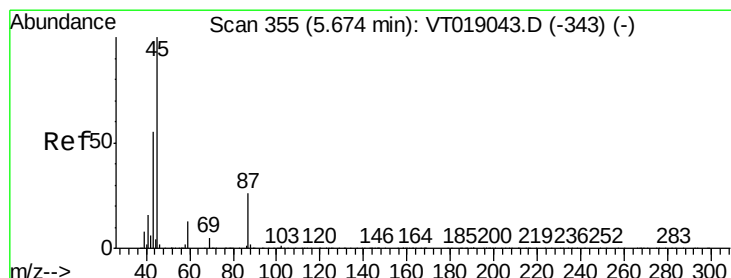
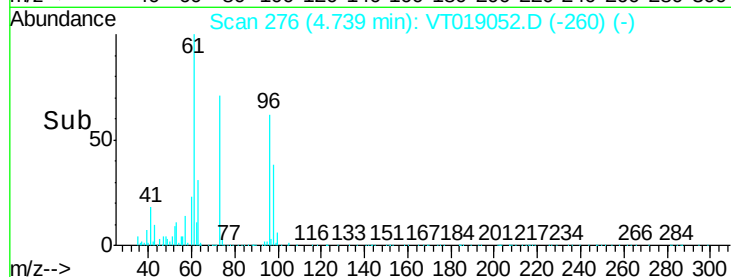
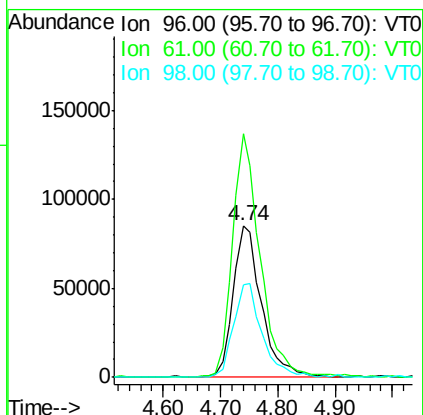
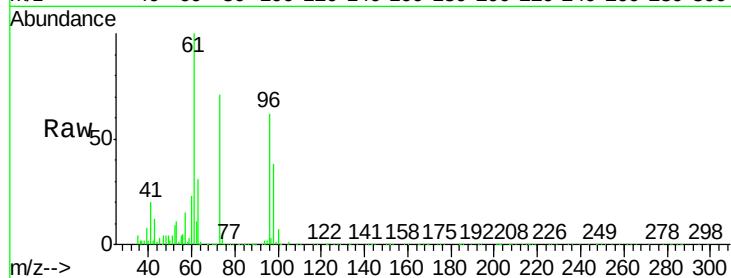
Tot Ion: 96 Resp: 289789

Ion Ratio Lower Upper

96 100

61 160.5 120.8 181.2

98 60.8 47.4 71.2



#22

Diisopropyl ether

Concen: 21.58 ug/l

RT: 5.67 min Scan# 355

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Tgt Ion: 45 Resp: 804401

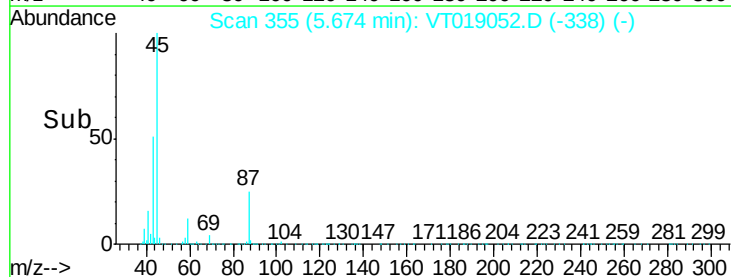
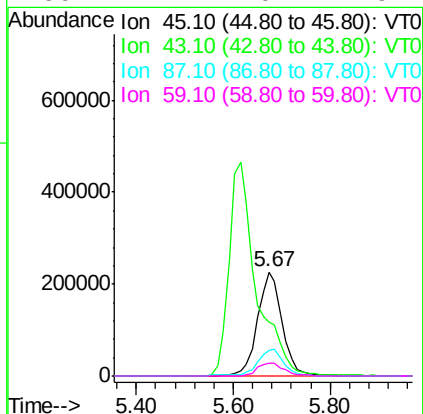
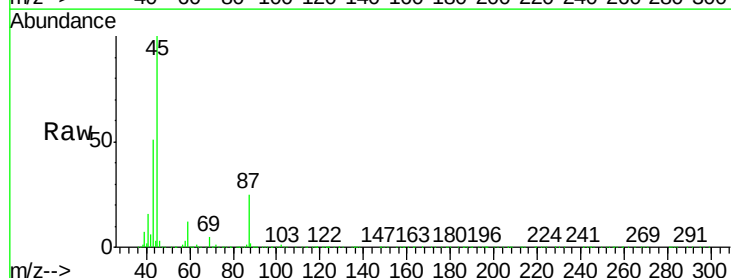
Ion Ratio Lower Upper

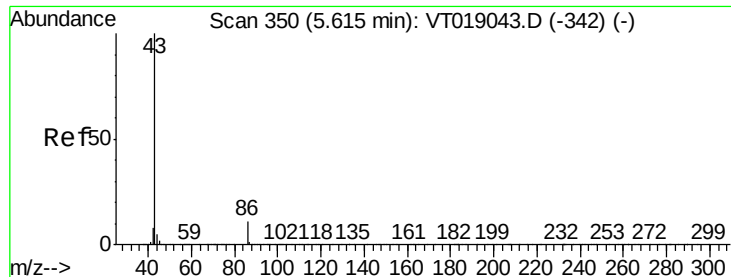
45 100

43 51.5 43.8 65.6

87 25.0 20.8 31.2

59 12.2 10.2 15.4





#23

Vinyl Acetate

Concen: 109.88 ug/l

RT: 5.61 min Scan# 350

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

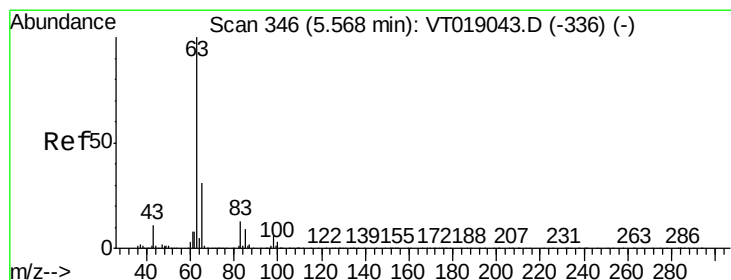
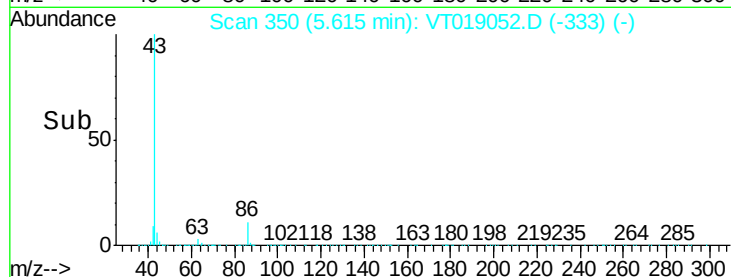
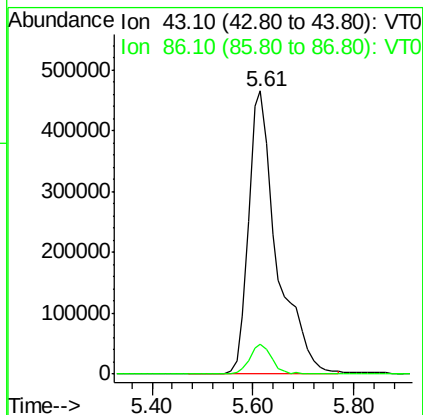
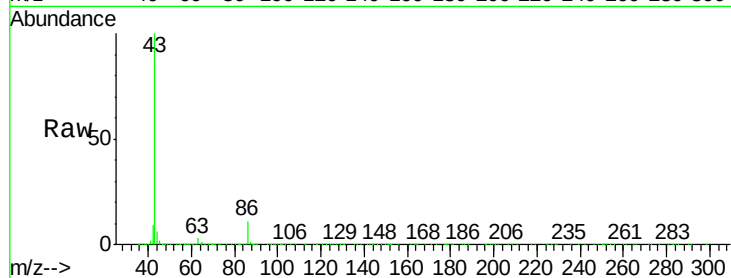
VT0509SBSD01

Tot Ion: 43 Resp: 1817387

Ion Ratio Lower Upper

43 100

86 10.5 8.6 13.0



#24

1,1-Dichloroethane

Concen: 20.79 ug/l

RT: 5.56 min Scan# 345

Delta R.T. -0.01 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

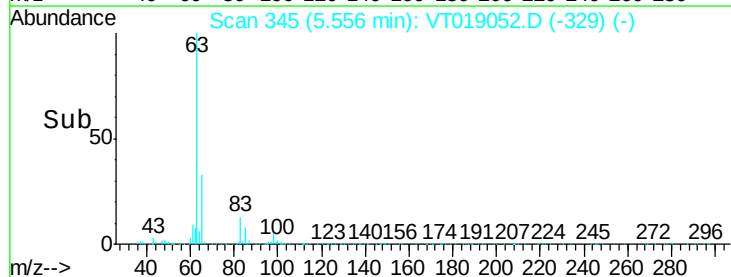
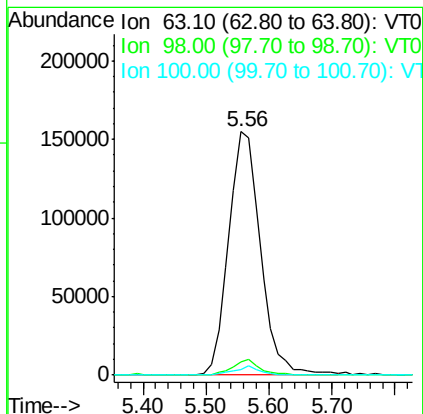
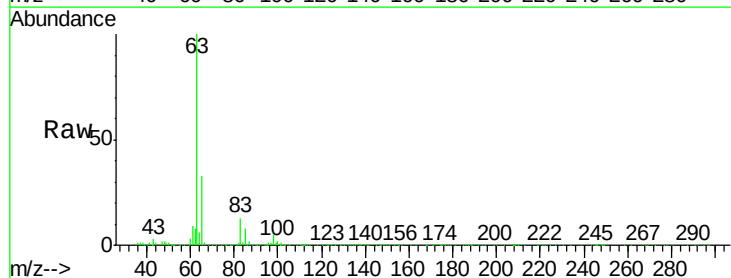
Tgt Ion: 63 Resp: 541678

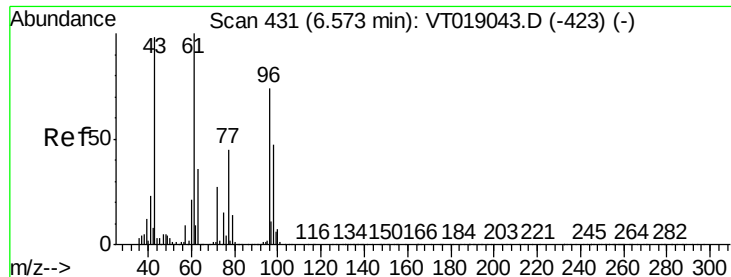
Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

100 2.4 1.7 5.1

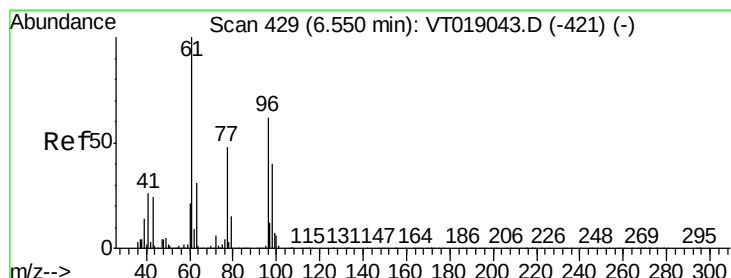
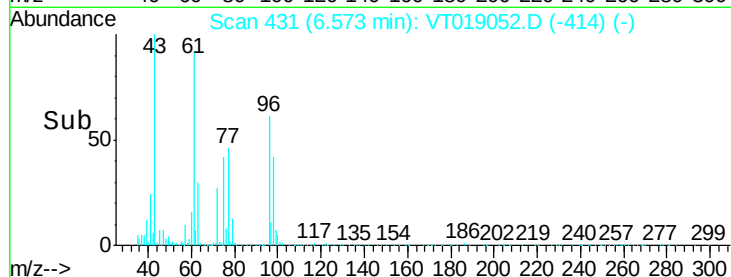
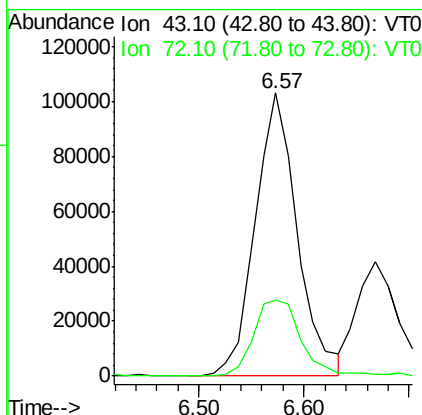
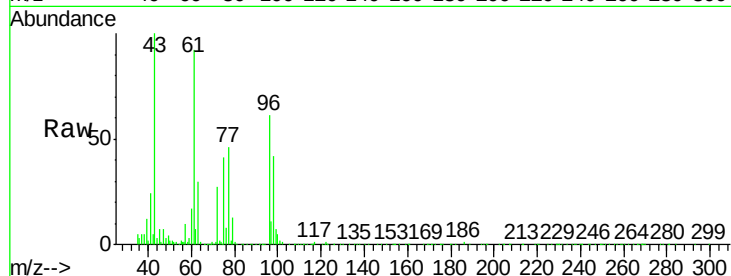




#25
2-Butanone
Concen: 110.98 ug/l
RT: 6.57 min Scan# 431
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

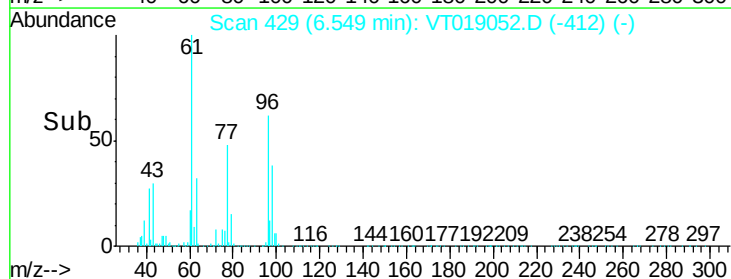
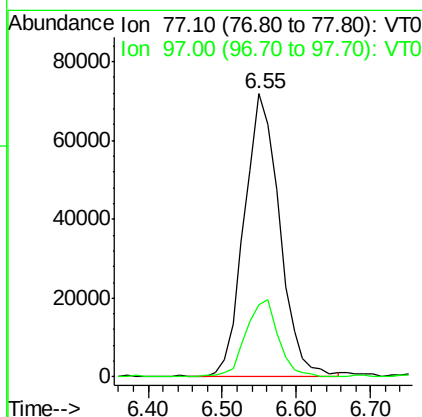
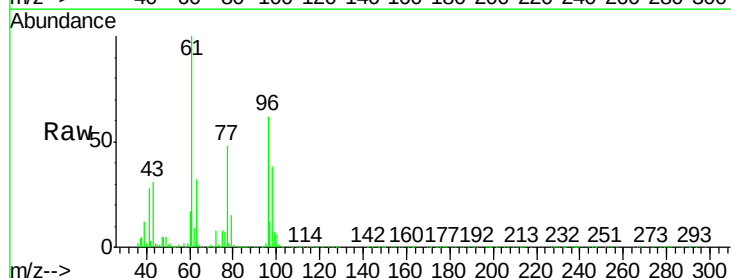
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBSD01

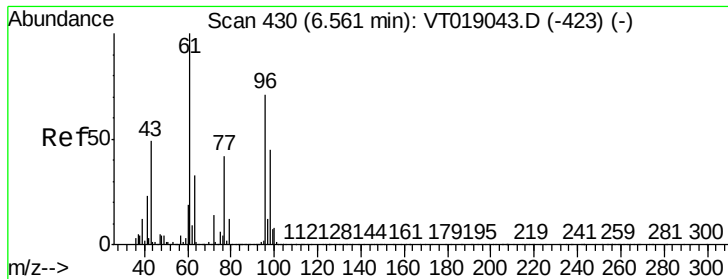
Tot Ion: 43 Resp: 287645
Ion Ratio Lower Upper
43 100
72 27.0 22.1 33.1



#26
2,2-Dichloropropane
Concen: 22.64 ug/l
RT: 6.55 min Scan# 429
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Tgt Ion: 77 Resp: 237985
Ion Ratio Lower Upper
77 100
97 25.4 12.2 36.4



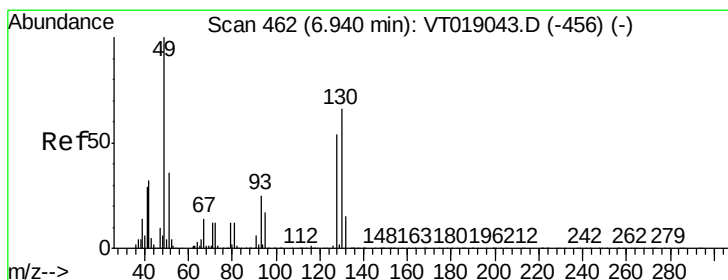
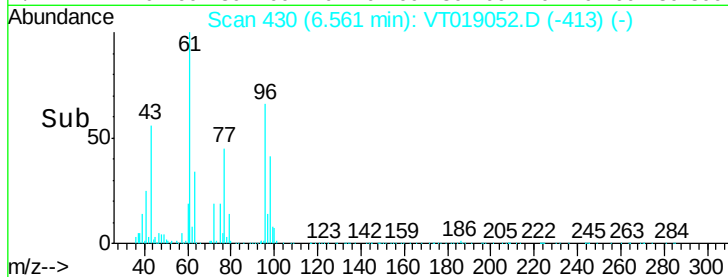
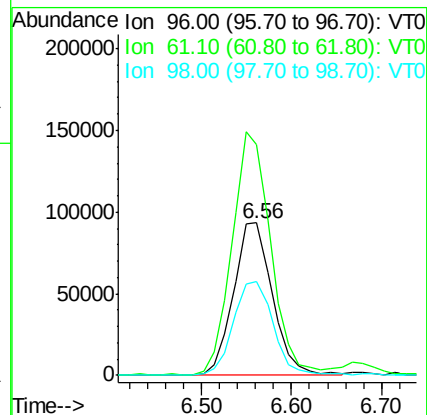
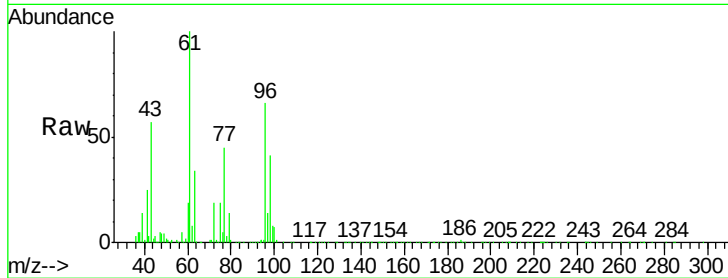


#27

cis-1,2-Dichloroethene
Concen: 20.82 ug/l
RT: 6.56 min Scan# 430
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Instrument :
MSVOA_T
ClientSampleId :
VT0509SBSD01

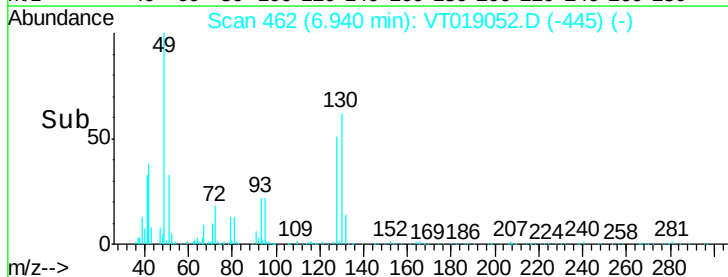
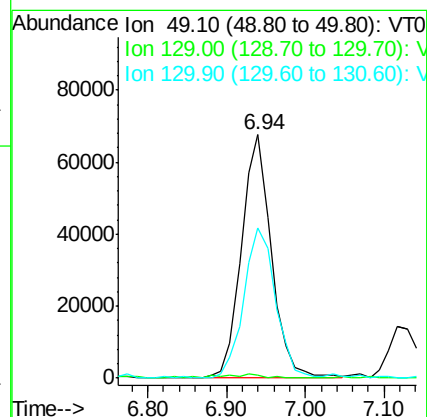
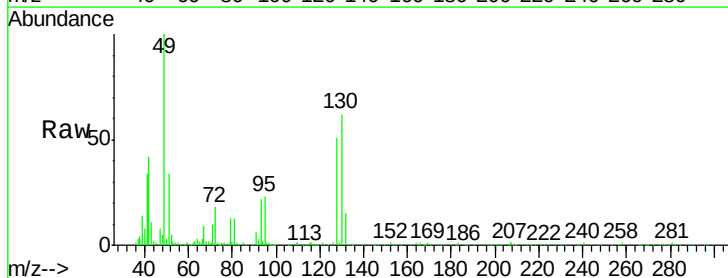
Tot Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	282.0
98	62.0	0.0	125.8

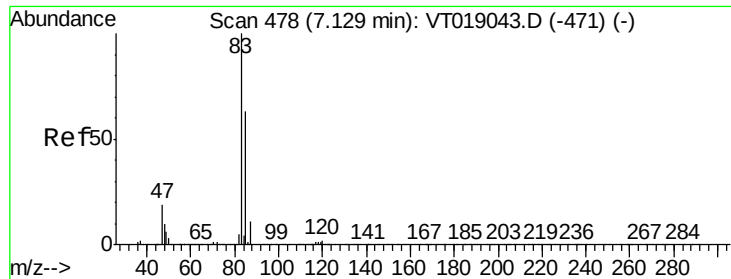


#28

Bromochloromethane
Concen: 20.56 ug/l
RT: 6.94 min Scan# 462
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.8
130	61.7	52.4	78.6

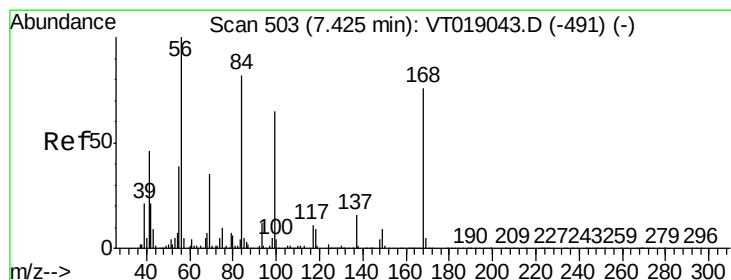
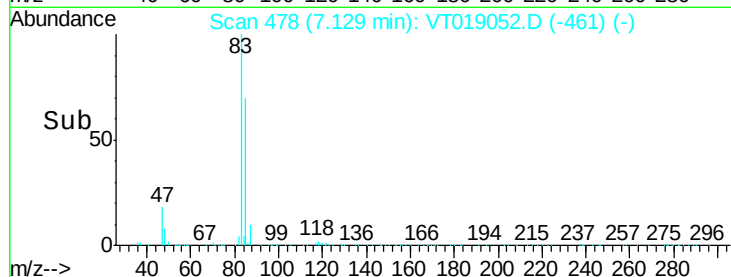
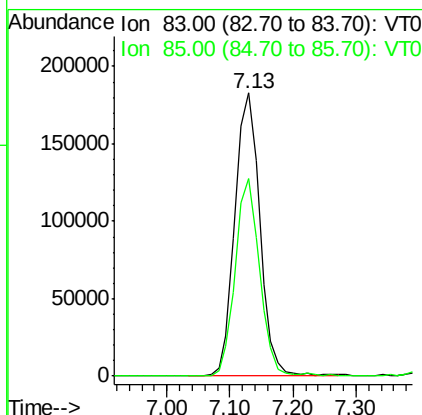
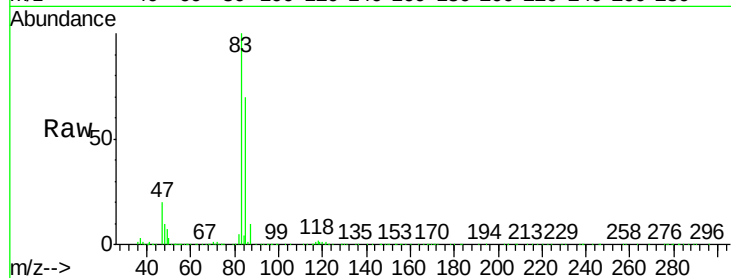




#29
Chloroform
Concen: 20.60 ug/l
RT: 7.13 min Scan# 478
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

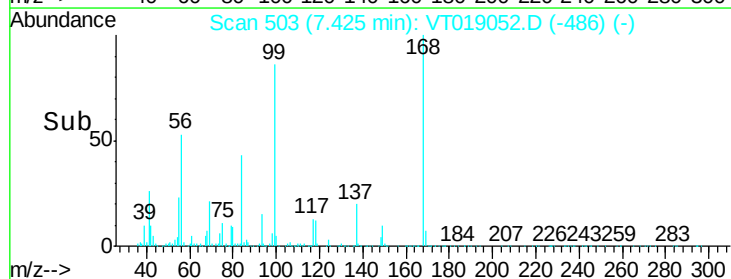
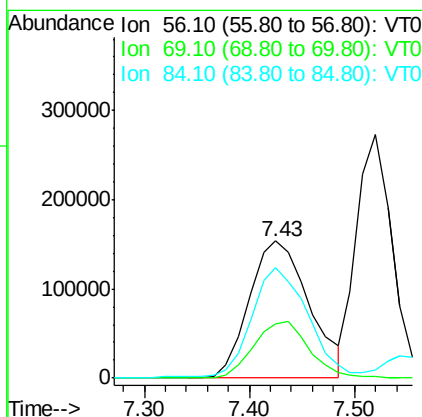
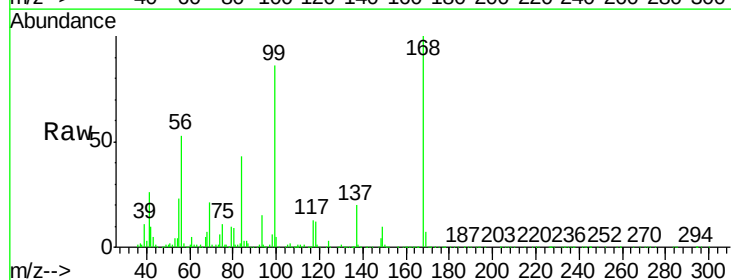
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBSD01

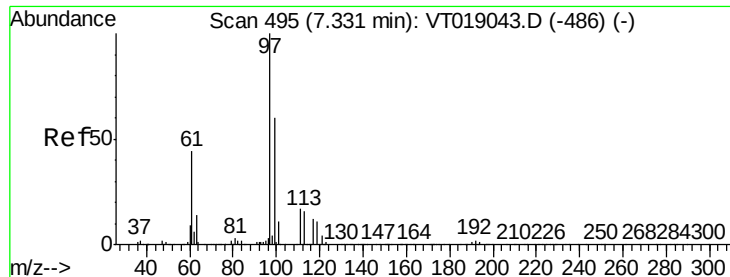
Tot Ion: 83 Resp: 502226
Ion Ratio Lower Upper
83 100
85 69.8 50.6 76.0



#30
Cyclohexane
Concen: 21.59 ug/l
RT: 7.43 min Scan# 503
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Tgt Ion: 56 Resp: 609716
Ion Ratio Lower Upper
56 100
69 39.9 28.2 42.2
84 80.9 65.6 98.4





#31

1,1,1-Trichloroethane

Concen: 20.25 ug/l

RT: 7.33 min Scan# 495

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBSD01

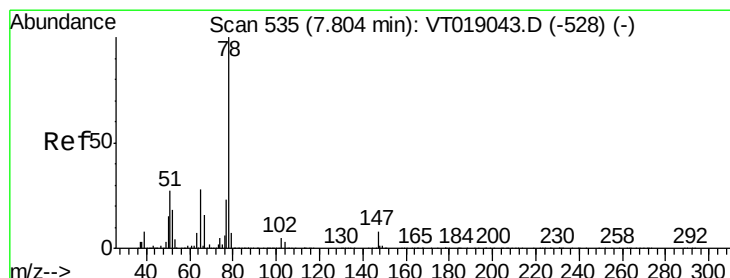
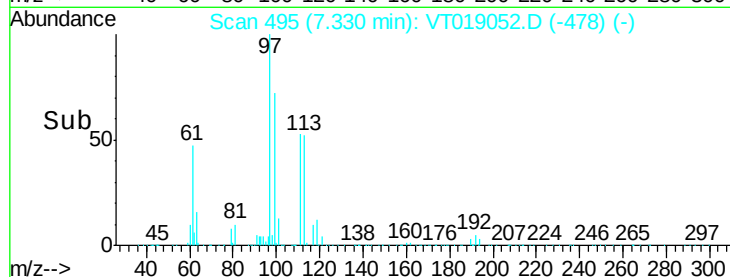
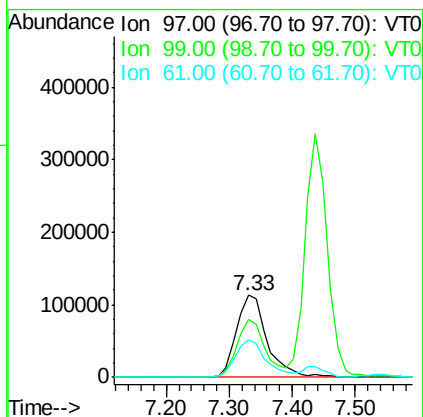
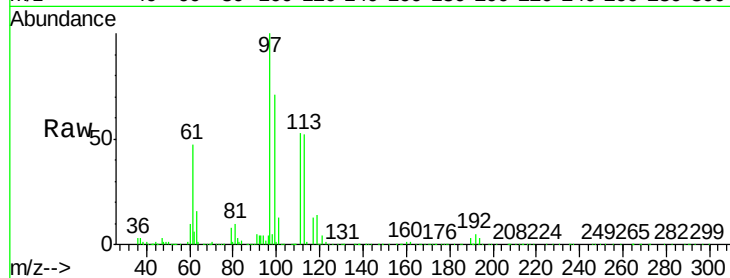
Tot Ion: 97 Resp: 381460

Ion Ratio Lower Upper

97 100

99 72.4 47.6 71.4#

61 46.5 35.3 52.9



#32

1,2-Dichloroethane-d4

Concen: 51.95 ug/l

RT: 7.80 min Scan# 535

Delta R.T. -0.00 min

Lab File: VT019052.D

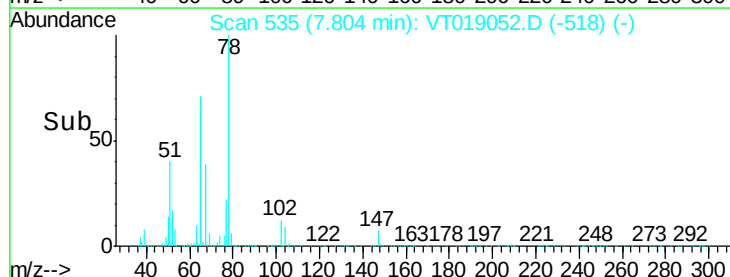
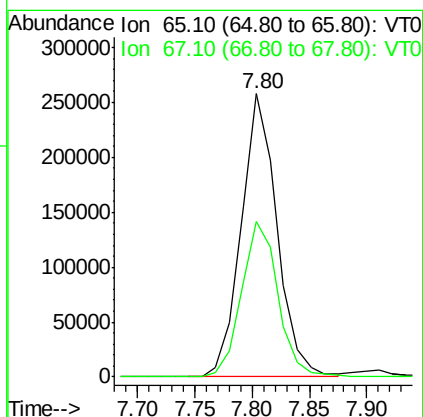
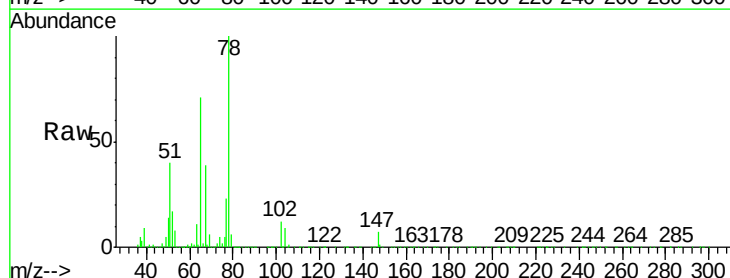
Acq: 9 May 2018 12:14

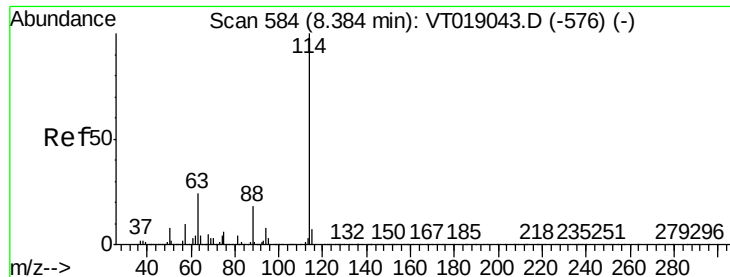
Tgt Ion: 65 Resp: 563259

Ion Ratio Lower Upper

65 100

67 55.0 0.0 114.2

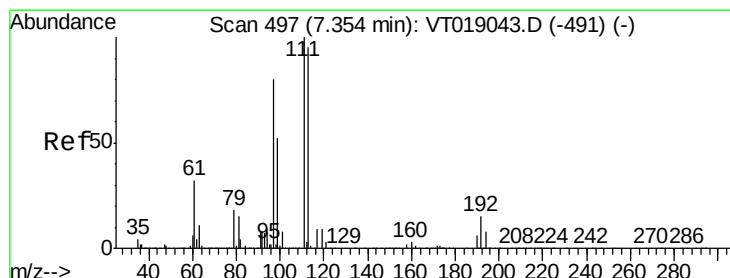
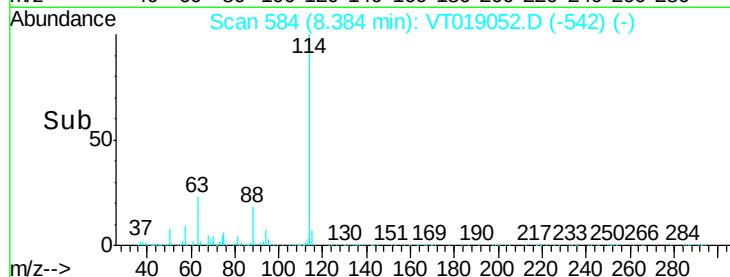
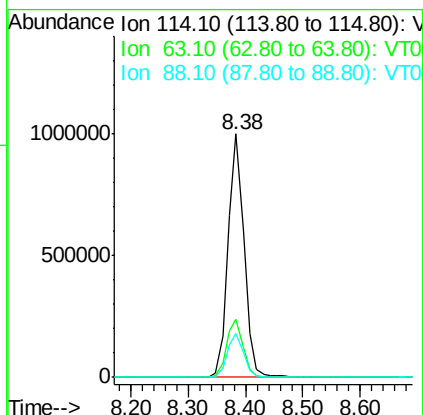
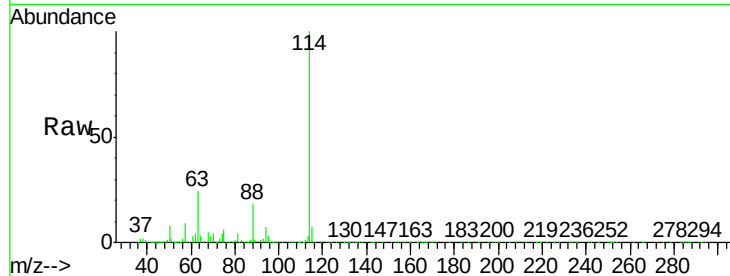




#33
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.38 min Scan# 584
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

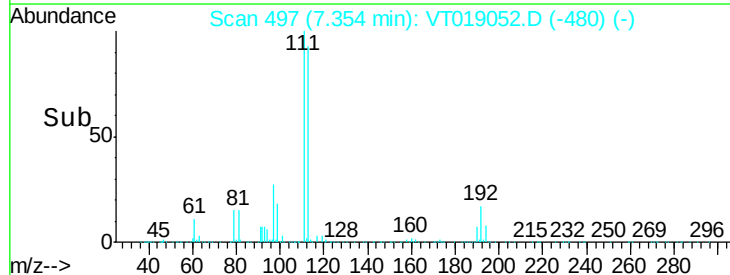
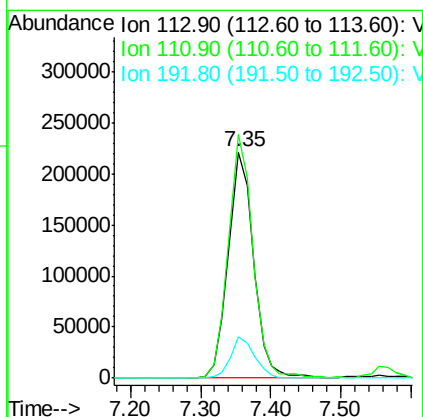
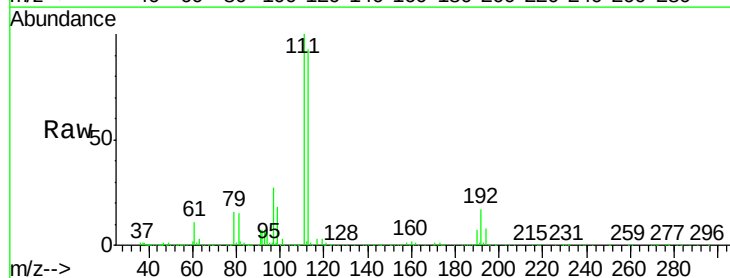
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBS01

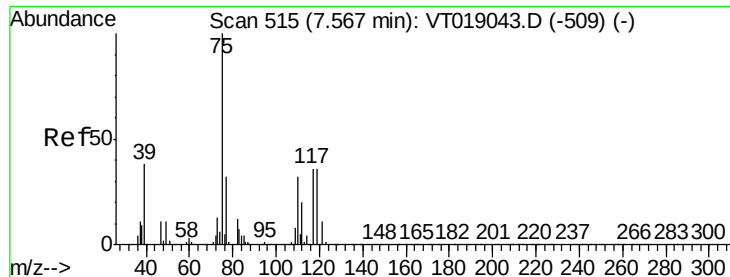
Tot Ion:114 Resp: 1927583
Ion Ratio Lower Upper
114 100
63 23.7 0.0 48.8
88 18.0 0.0 37.0



#34
Dibromofluoromethane
Concen: 51.94 ug/l
RT: 7.35 min Scan# 497
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Tgt Ion:113 Resp: 560637
Ion Ratio Lower Upper
113 100
111 107.7 84.0 126.0
192 18.2 12.9 19.3





#35

1,1-Dichloropropene

Concen: 21.15 ug/l

RT: 7.57 min Scan# 515

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBSD01

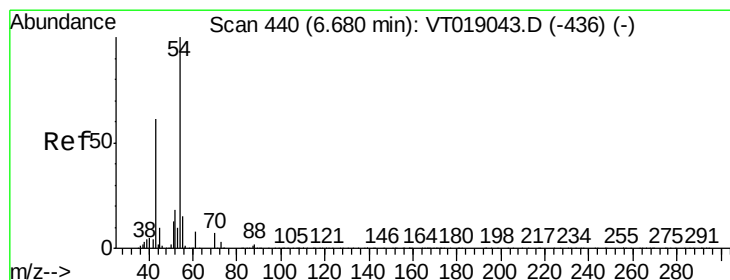
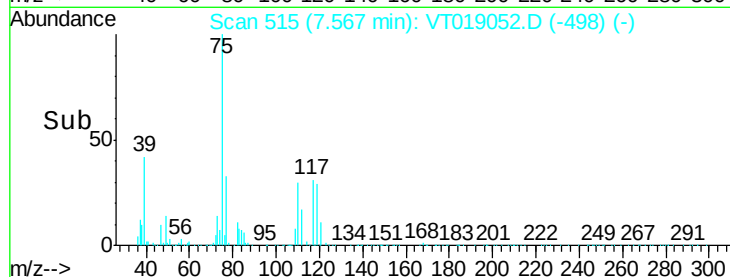
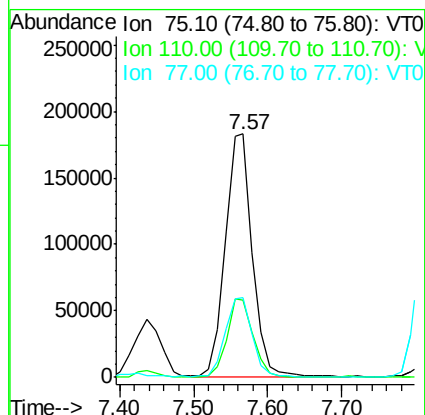
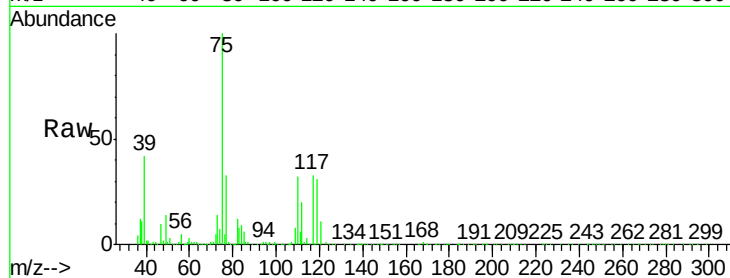
Tot Ion: 75 Resp: 469660

Ion Ratio Lower Upper

75 100

110 31.8 15.9 47.6

77 33.0 25.9 38.9



#36

Ethyl Acetate

Concen: 20.42 ug/l

RT: 6.67 min Scan# 439

Delta R.T. -0.01 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

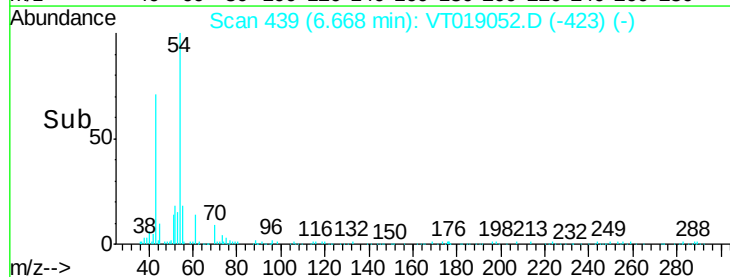
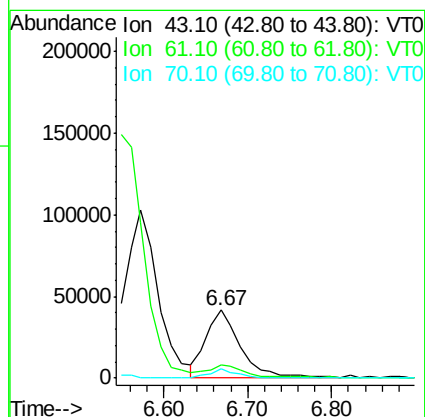
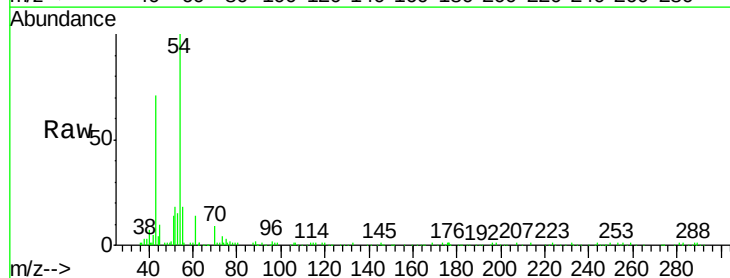
Tgt Ion: 43 Resp: 116873

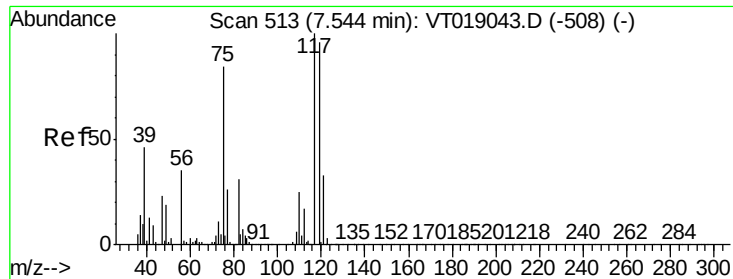
Ion Ratio Lower Upper

43 100

61 19.6 14.2 21.2

70 15.0 8.4 12.6#





#37

Carbon Tetrachloride

Concen: 19.21 ug/l

RT: 7.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBSD01

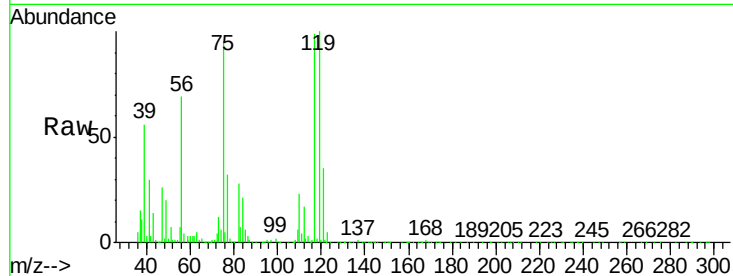
Tot Ion:117 Resp: 348611

Ion Ratio Lower Upper

117 100

119 101.5 76.5 114.7

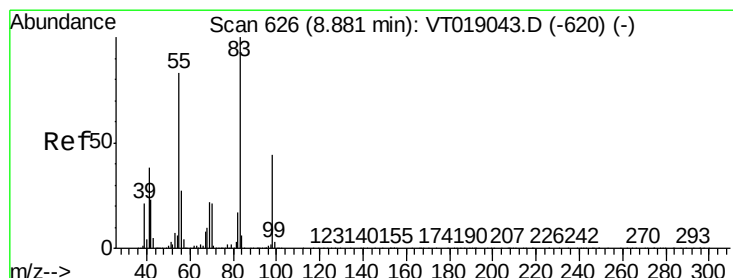
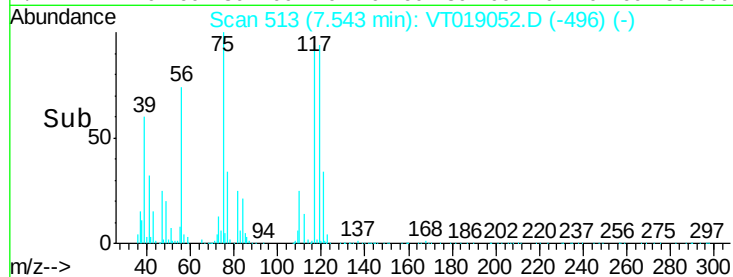
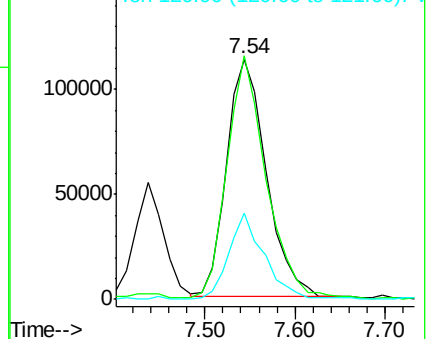
121 35.8 26.0 39.0



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: 21.22 ug/l

RT: 8.88 min Scan# 626

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

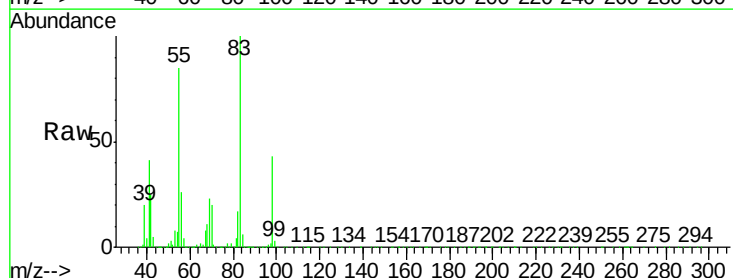
Tgt Ion: 83 Resp: 562620

Ion Ratio Lower Upper

83 100

55 85.3 66.7 100.1

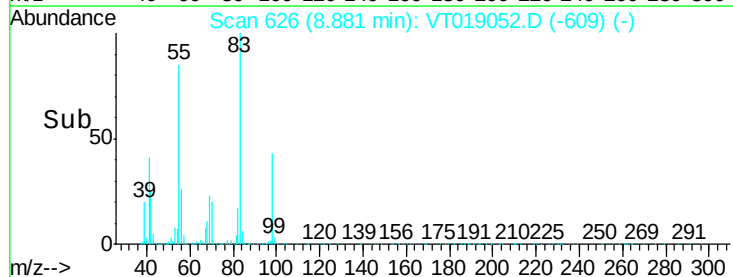
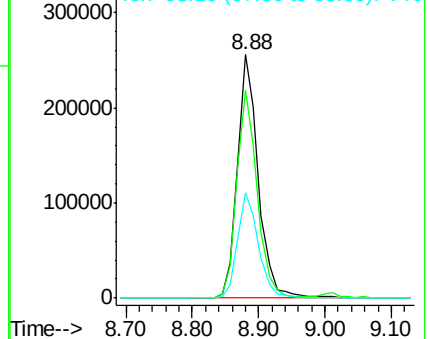
98 43.5 35.5 53.3

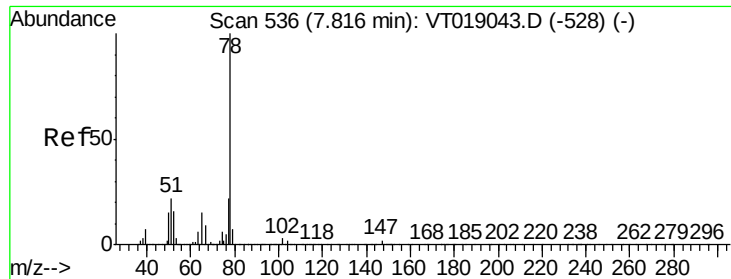


Abundance Ion 83.10 (82.80 to 83.80): VT0

Ion 55.10 (54.80 to 55.80): VT0

Ion 98.10 (97.80 to 98.80): VT0





#39

Benzene

Concen: 21.51 ug/l

RT: 7.82 min Scan# 536

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBSD01

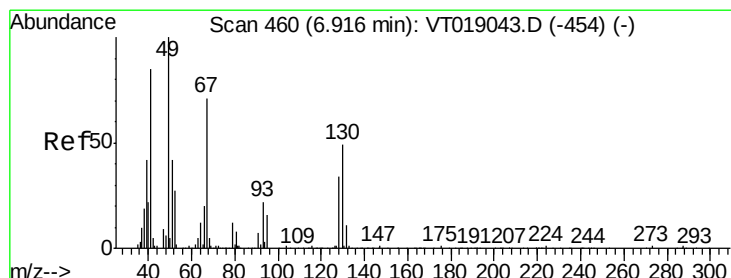
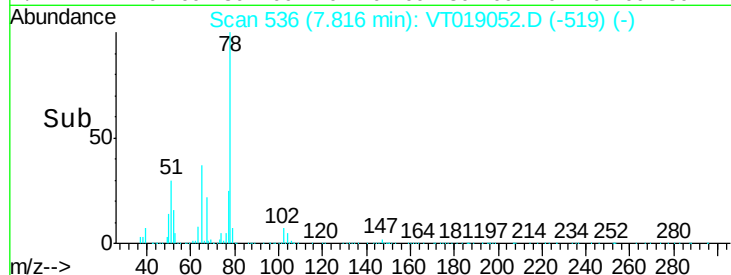
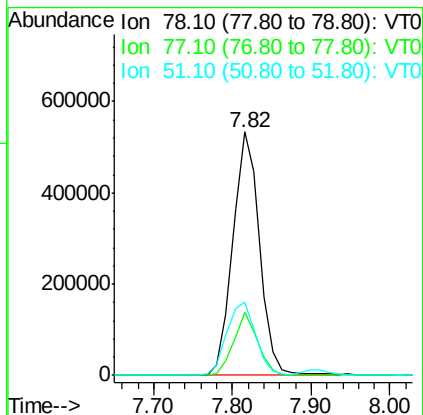
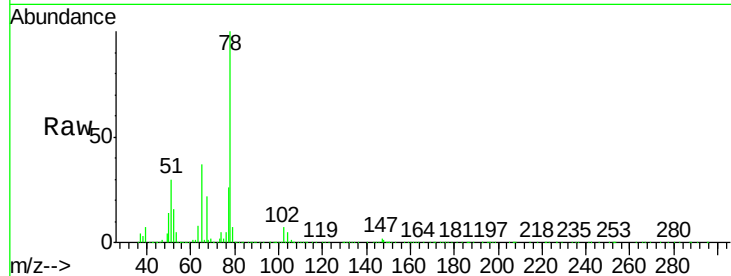
Tot Ion: 78 Resp: 1248333

Ion Ratio Lower Upper

78 100

77 25.8 18.0 27.0

51 30.1 17.3 25.9#



#40

Methacrylonitrile

Concen: 50.16 ug/l

RT: 6.96 min Scan# 464

Delta R.T. 0.05 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Tgt Ion: 41 Resp: 158677

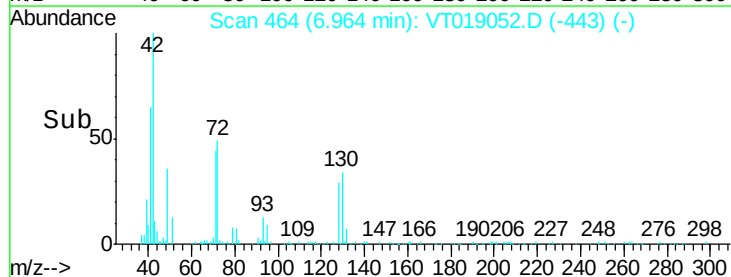
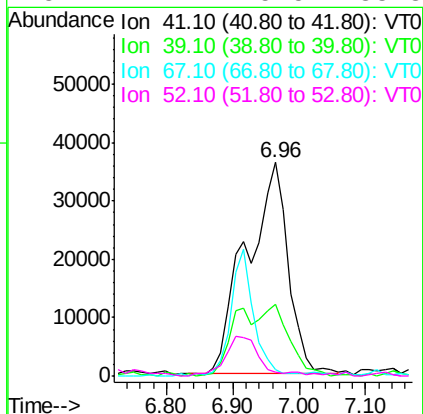
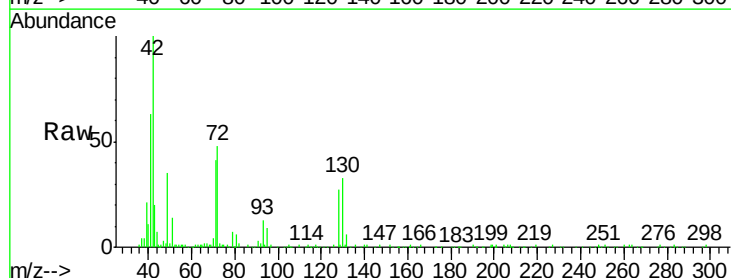
Ion Ratio Lower Upper

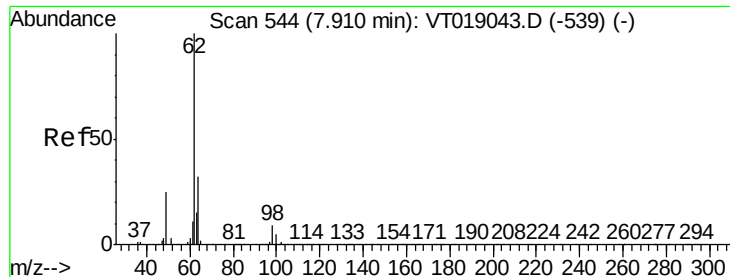
41 100

39 33.3 39.4 59.0#

67 3.1 66.8 100.2#

52 1.7 25.5 38.3#





#41

1,2-Dichloroethane

Concen: 20.13 ug/l

RT: 7.91 min Scan# 544

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

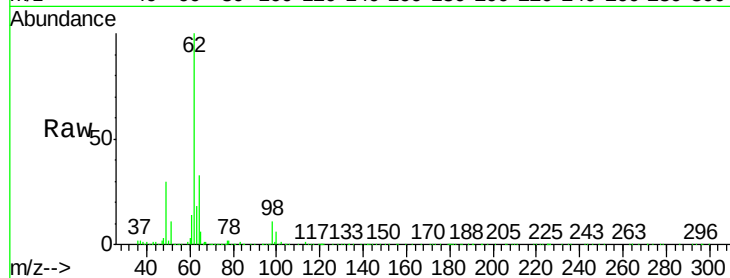
VT0509SBSD01

Tot Ion: 62 Resp: 253781

Ion Ratio Lower Upper

62 100

98 10.5 0.0 17.4



Abundance Ion 62.10 (61.80 to 62.80): VT0

Ion 98.00 (97.70 to 98.70): VT0

7.91

120000

100000

80000

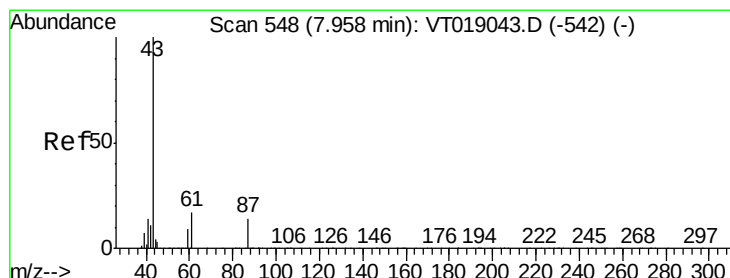
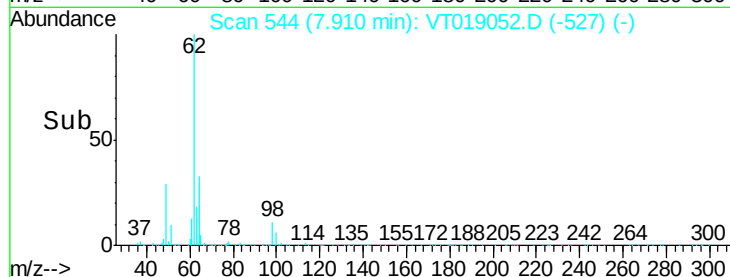
60000

40000

20000

0

Time-->



#42

Isopropyl Acetate

Concen: 20.80 ug/l

RT: 7.96 min Scan# 548

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

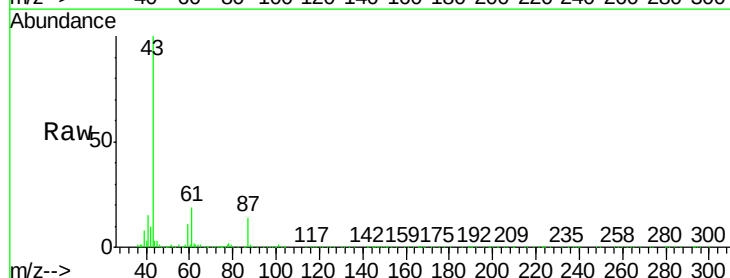
Tgt Ion: 43 Resp: 205038

Ion Ratio Lower Upper

43 100

61 19.2 17.9 26.9

87 13.8 11.0 16.6



Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 61.10 (60.80 to 61.80): VT0

Ion 87.10 (86.80 to 87.80): VT0

7.96

120000

100000

80000

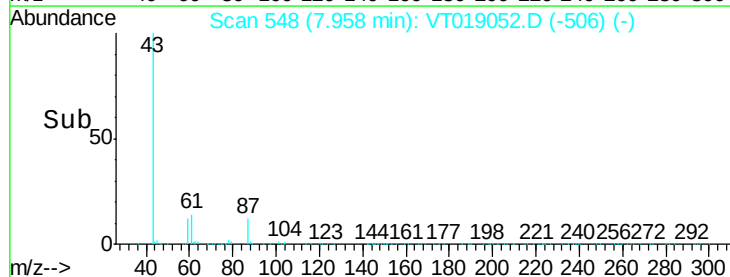
60000

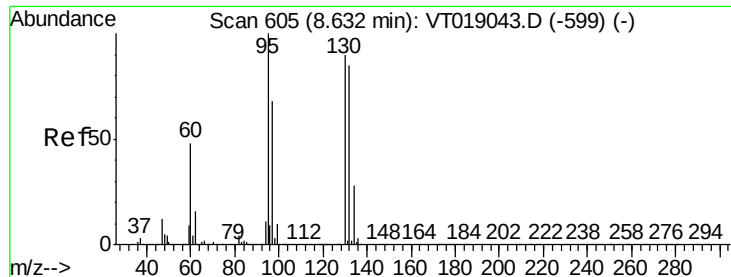
40000

20000

0

Time-->





#43

Trichloroethene

Concen: 20.76 ug/l

RT: 8.63 min Scan# 605

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

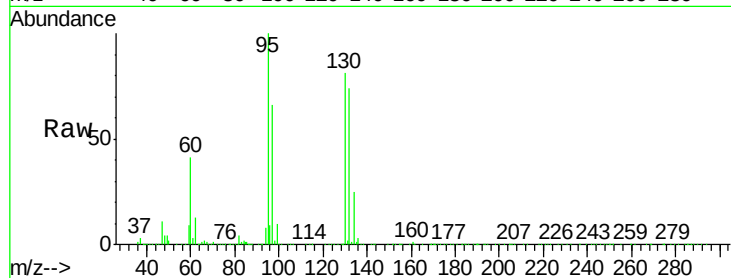
VT0509SBSD01

Tot Ion:130 Resp: 277097

Ion Ratio Lower Upper

130 100

95 123.5 0.0 222.6



Abundance Ion 129.90 (129.60 to 130.60): VT0

Ion 95.00 (94.70 to 95.70): VT0

200000

150000

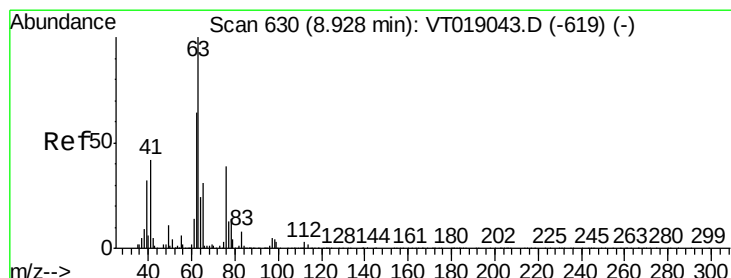
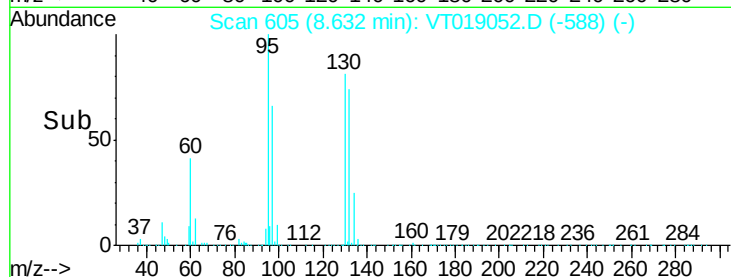
100000

50000

0

8.50 8.60 8.70 8.80

Time-->



#44

1,2-Dichloropropane

Concen: 20.85 ug/l

RT: 8.92 min Scan# 629

Delta R.T. -0.01 min

Lab File: VT019052.D

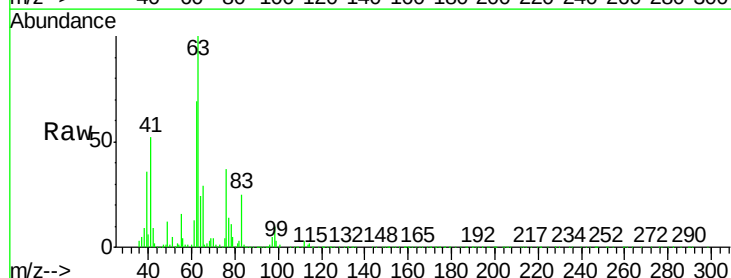
Acq: 9 May 2018 12:14

Tgt Ion: 63 Resp: 283714

Ion Ratio Lower Upper

63 100

65 29.4 25.0 37.4



Abundance Ion 63.10 (62.80 to 63.80): VT0

Ion 65.10 (64.80 to 65.80): VT0

150000

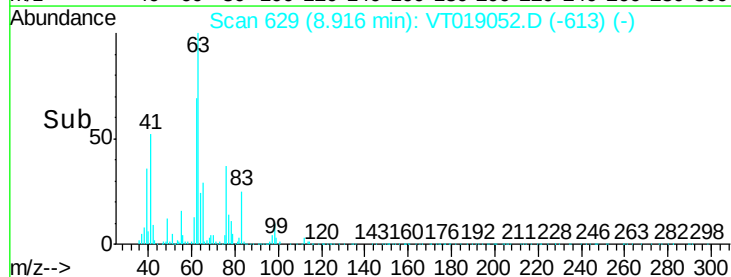
100000

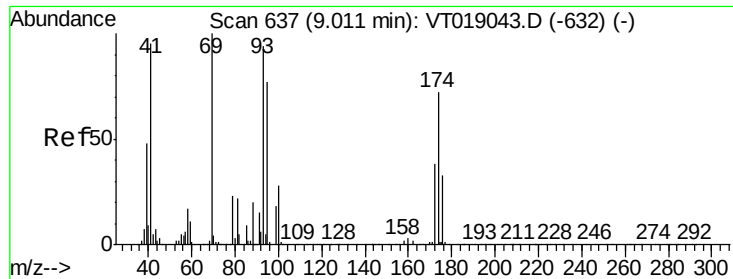
50000

0

8.80 8.90 9.00 9.10

Time-->

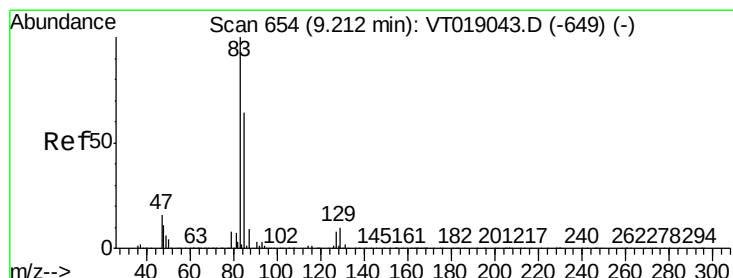
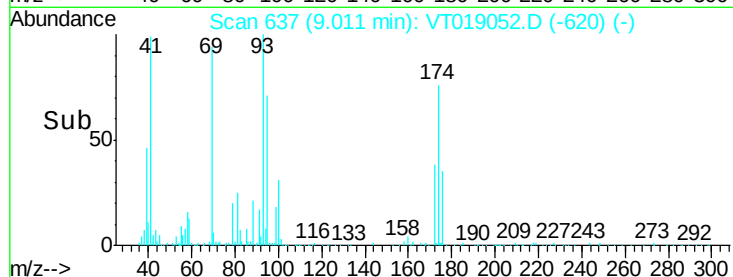
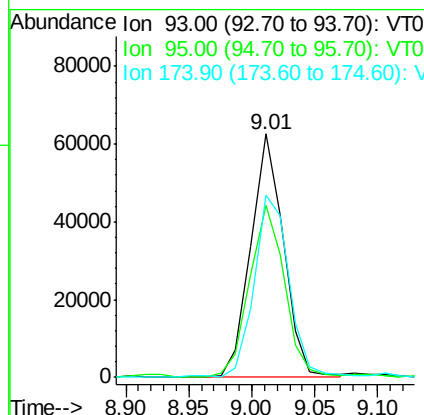
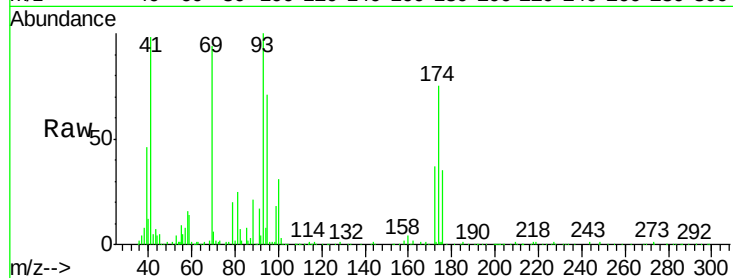




#45
Dibromomethane
Concen: 21.35 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

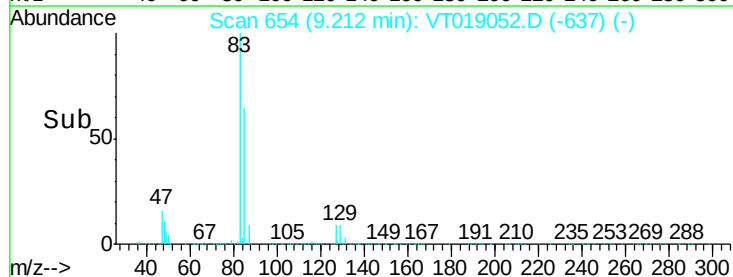
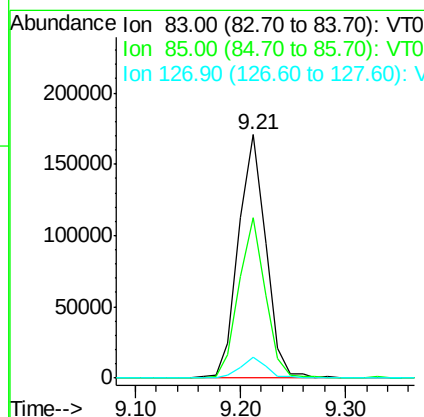
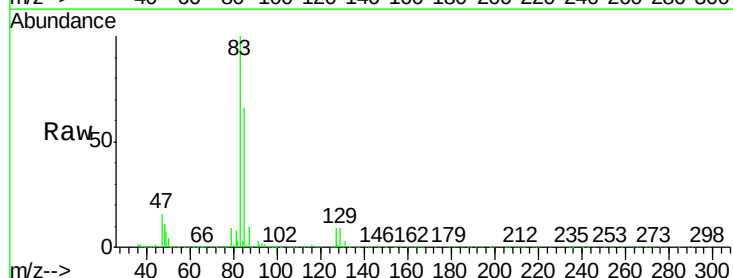
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBSD01

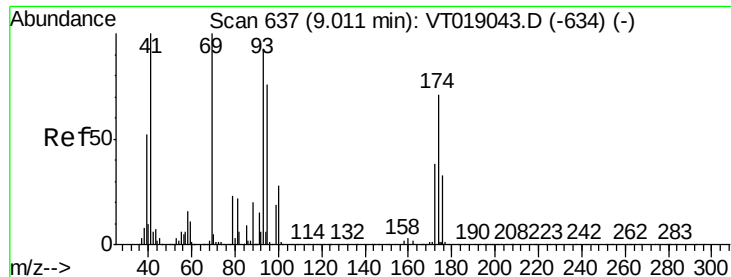
Tot Ion: 93 Resp: 114174
Ion Ratio Lower Upper
93 100
95 70.8 65.5 98.3
174 75.0 60.9 91.3



#46
Bromodichloromethane
Concen: 19.79 ug/l
RT: 9.21 min Scan# 654
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Tgt Ion: 83 Resp: 307619
Ion Ratio Lower Upper
83 100
85 66.1 51.3 76.9
127 8.6 6.1 9.1

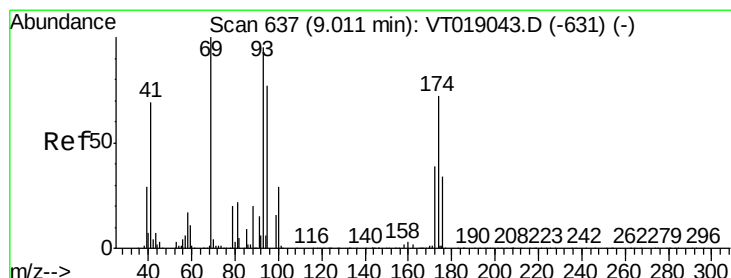
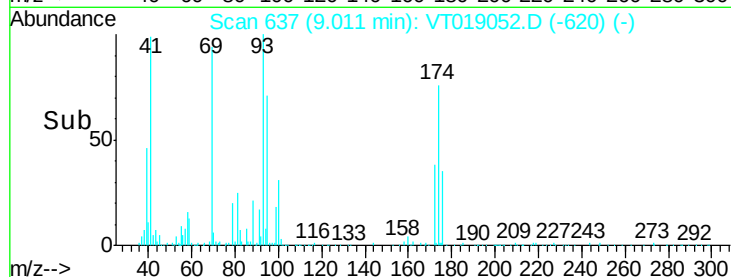
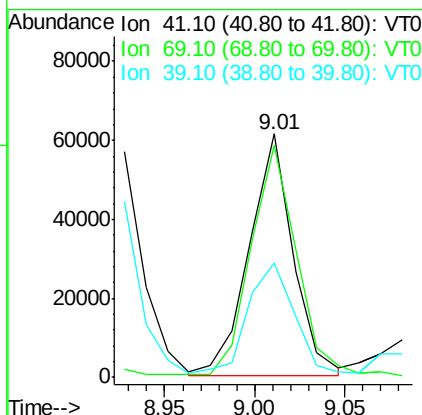
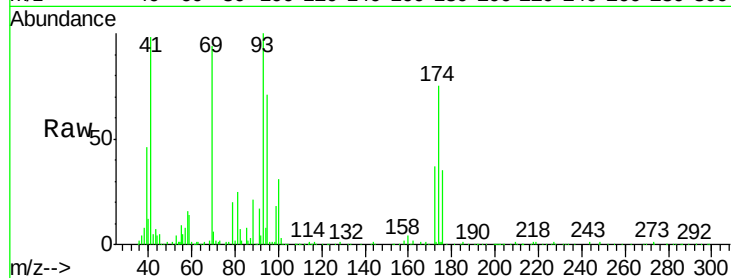




#47
Methvl methacrylate
Concen: 20.35 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

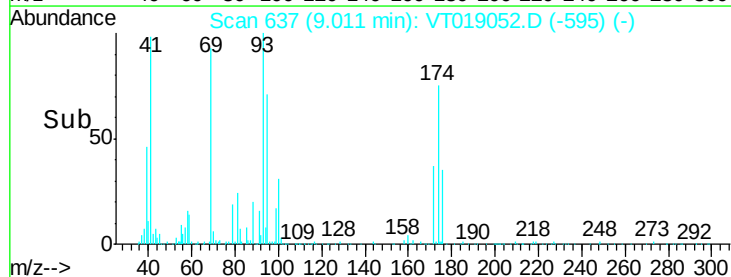
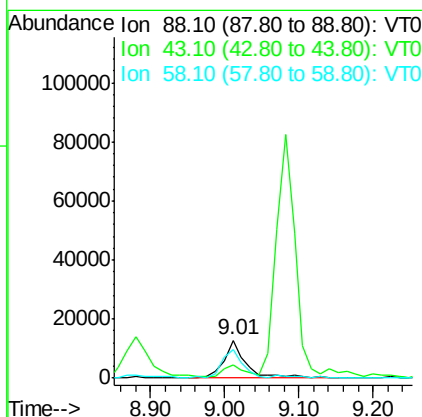
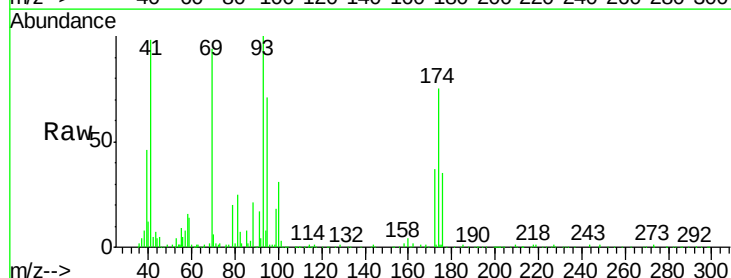
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBSD01

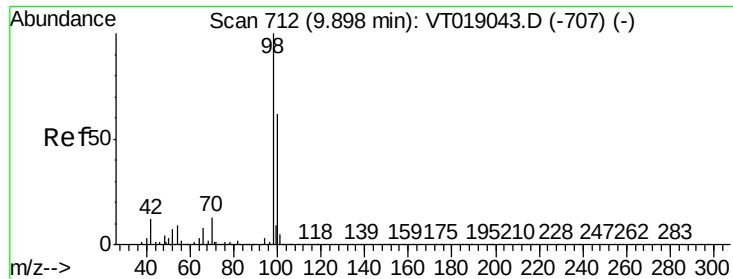
Tot Ion: 41 Resp: 103658
Ion Ratio Lower Upper
41 100
69 95.2 78.4 117.6
39 46.9 41.4 62.2



#48
1,4-Dioxane
Concen: 428.84 ug/l
RT: 9.01 min Scan# 637
Delta R.T. 0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Tgt Ion: 88 Resp: 26766
Ion Ratio Lower Upper
88 100
43 33.7 30.5 45.7
58 76.0 67.5 101.3





#49

Toluene-d8

Concen: 54.84 ug/l

RT: 9.90 min Scan# 712

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

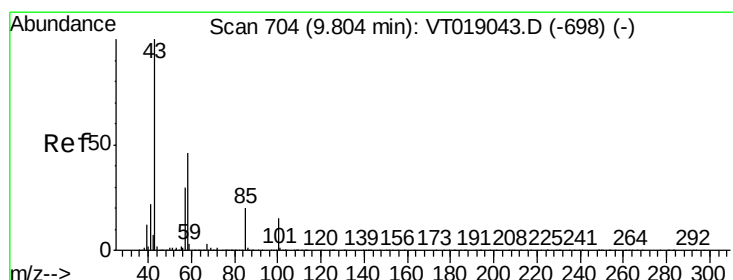
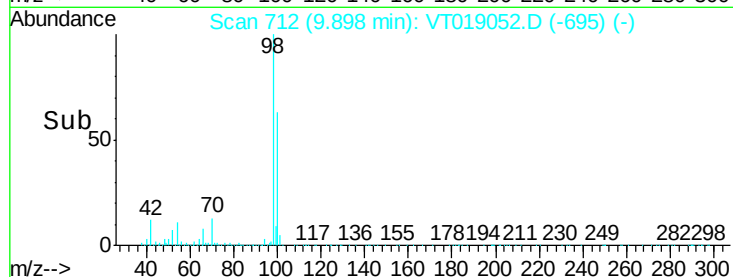
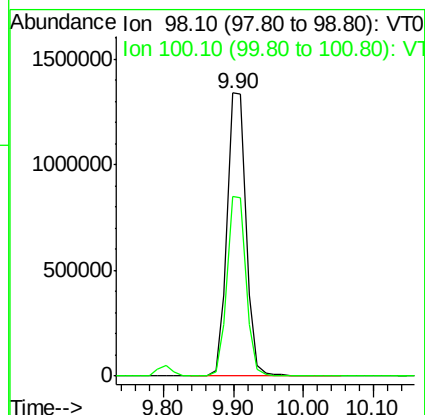
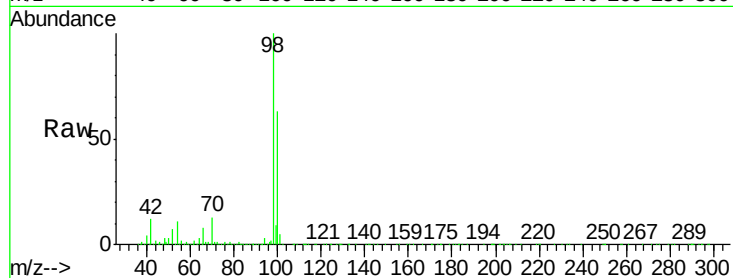
VT0509SBSD01

Tot Ion: 98 Resp: 2539343

Ion Ratio Lower Upper

98 100

100 63.4 50.0 75.0



#50

4-Methyl-2-Pentanone

Concen: 109.46 ug/l

RT: 9.80 min Scan# 704

Delta R.T. -0.00 min

Lab File: VT019052.D

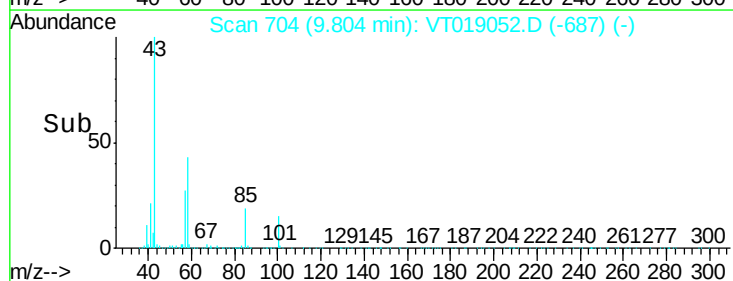
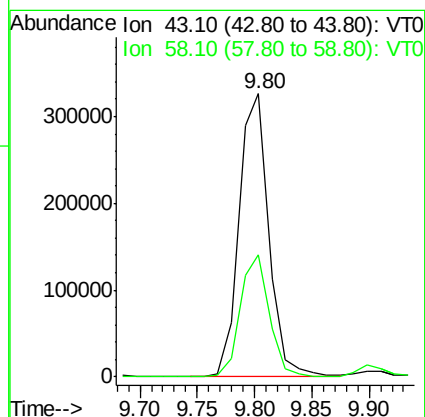
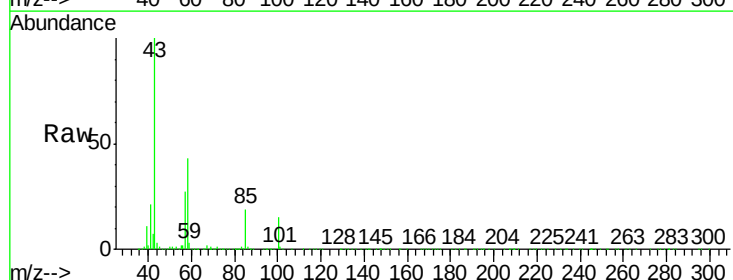
Acq: 9 May 2018 12:14

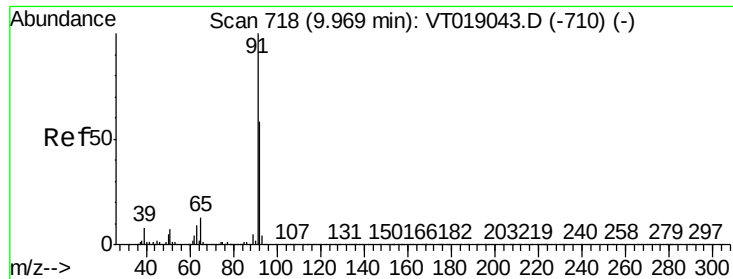
Tgt Ion: 43 Resp: 591606

Ion Ratio Lower Upper

43 100

58 43.0 36.6 54.8





#51

Toluene

Concen: 21.58 ug/l

RT: 9.97 min Scan# 718

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

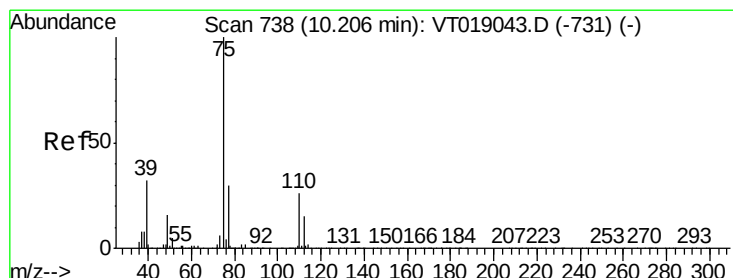
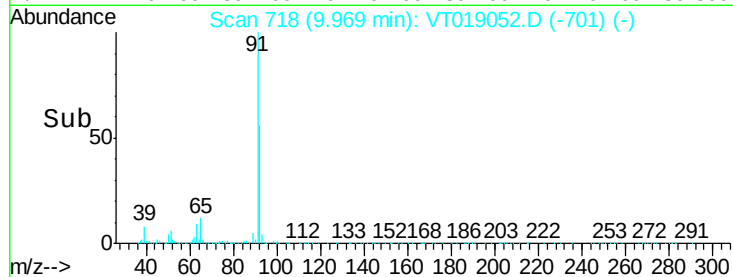
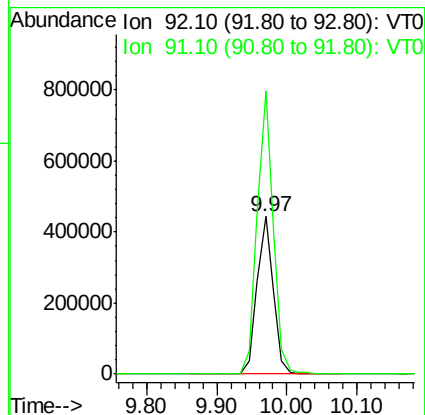
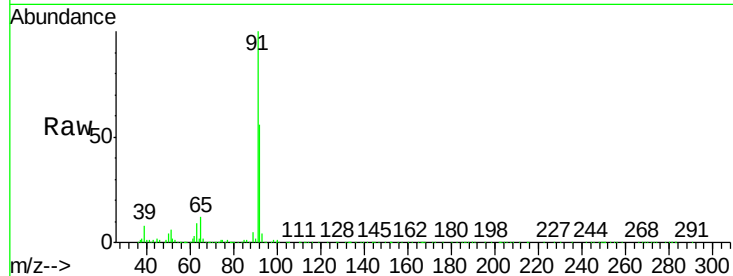
VT0509SBSD01

Tot Ion: 92 Resp: 723763

Ion Ratio Lower Upper

92 100

91 179.7 137.8 206.6



#52

t-1,3-Dichloropropene

Concen: 20.87 ug/l

RT: 10.19 min Scan# 737

Delta R.T. -0.01 min

Lab File: VT019052.D

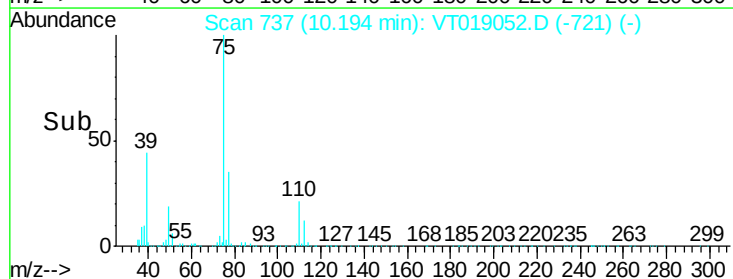
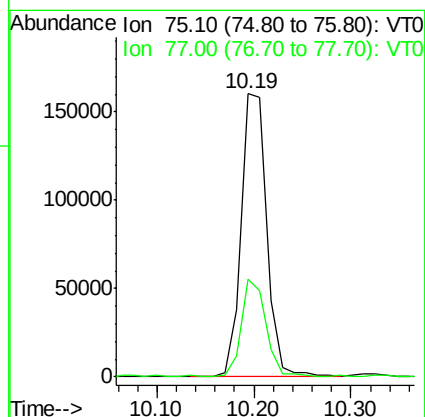
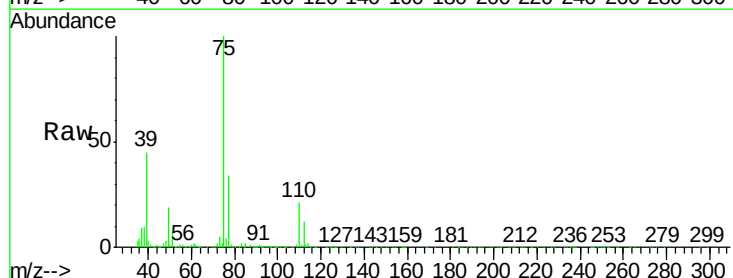
Acq: 9 May 2018 12:14

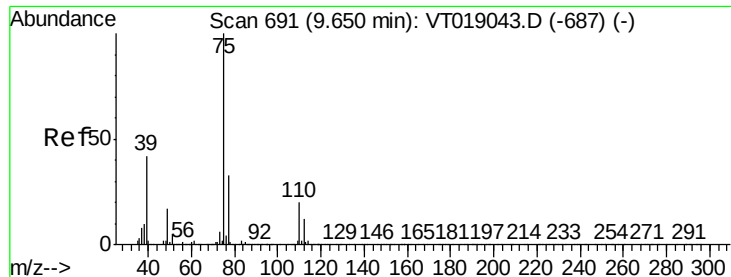
Tgt Ion: 75 Resp: 294908

Ion Ratio Lower Upper

75 100

77 34.5 24.6 36.8





#53

cis-1,3-Dichloropropene

Concen: 20.58 ug/l

RT: 9.65 min Scan# 691

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

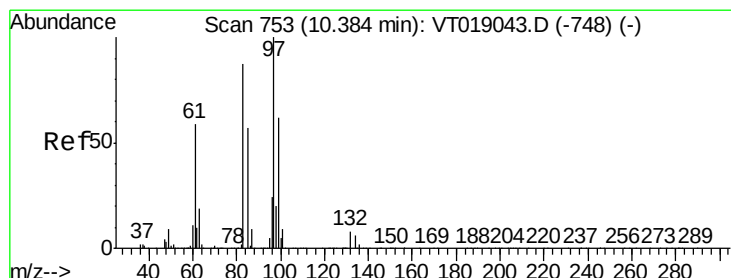
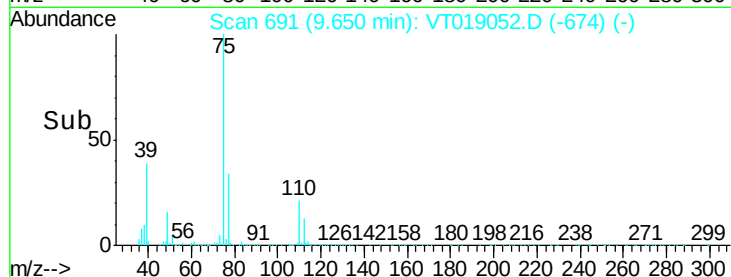
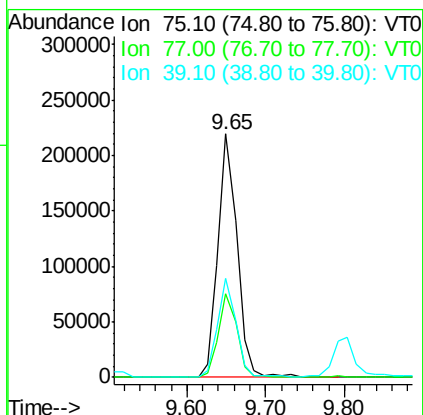
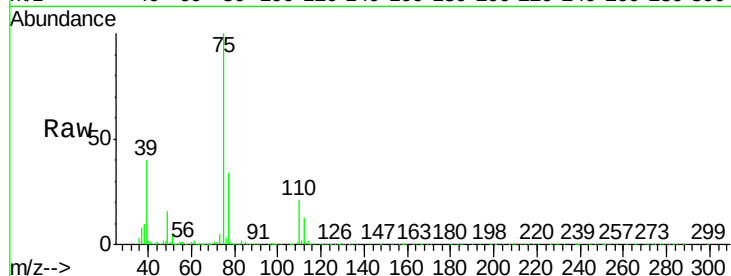
Tot Ion: 75 Resp: 370449

Ion Ratio Lower Upper

75 100

77 34.4 26.6 39.8

39 40.5 34.1 51.1



#54

1,1,2-Trichloroethane

Concen: 18.97 ug/l

RT: 10.38 min Scan# 753

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Tgt Ion: 97 Resp: 154059

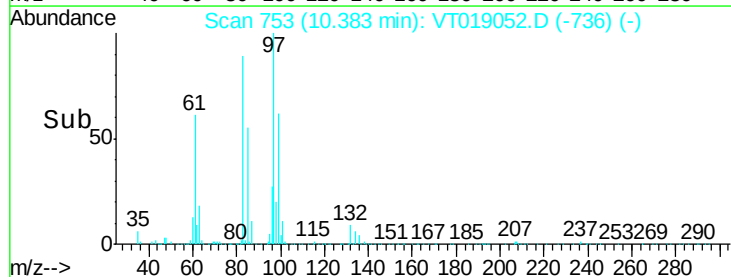
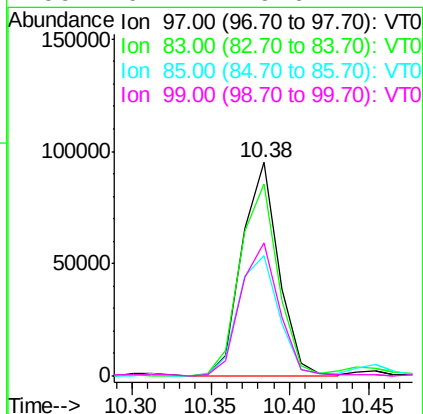
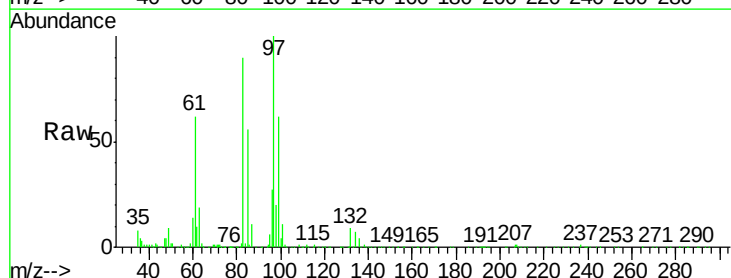
Ion Ratio Lower Upper

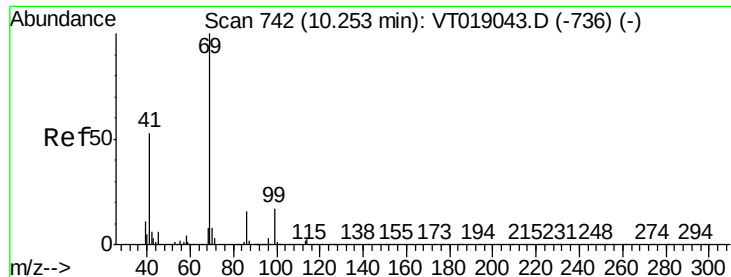
97 100

83 90.2 69.7 104.5

85 56.1 46.1 69.1

99 62.4 49.6 74.4





#55

Ethyl methacrylate

Concen: 20.86 ug/l

RT: 10.25 min Scan# 742

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBSD01

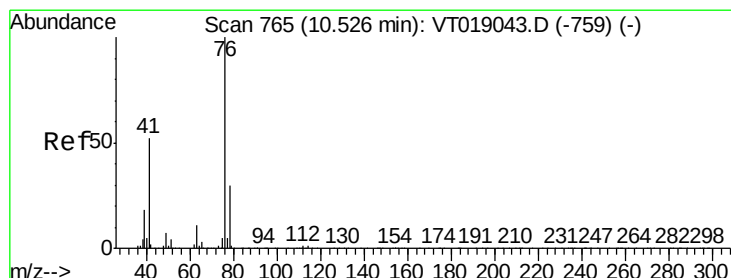
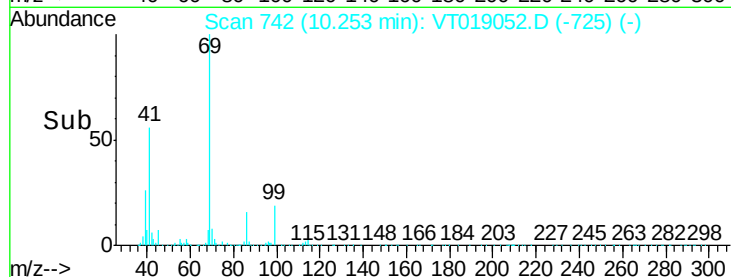
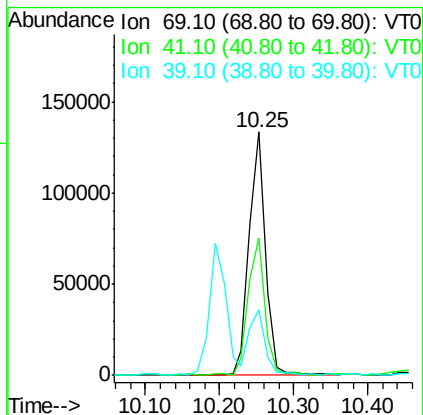
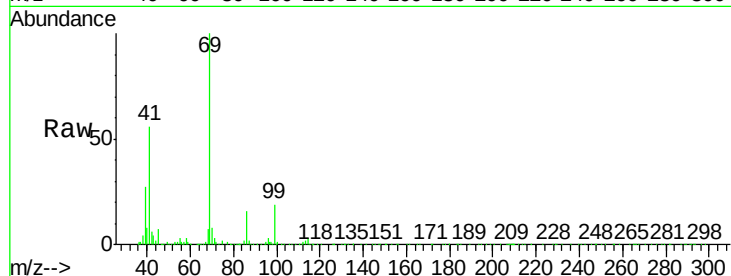
Tot Ion: 69 Resp: 202974

Ion Ratio Lower Upper

69 100

41 56.2 42.9 64.3

39 26.8 21.2 31.8



#56

1,3-Dichloropropane

Concen: 21.13 ug/l

RT: 10.53 min Scan# 765

Delta R.T. -0.00 min

Lab File: VT019052.D

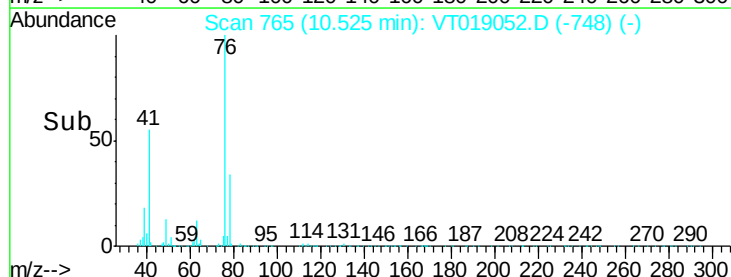
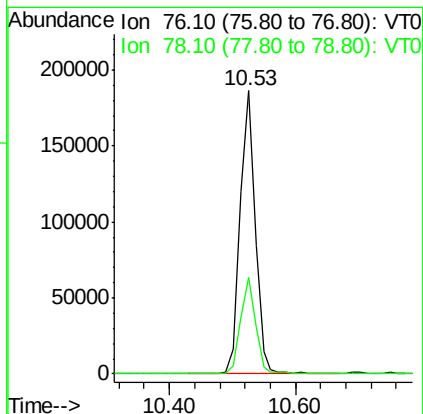
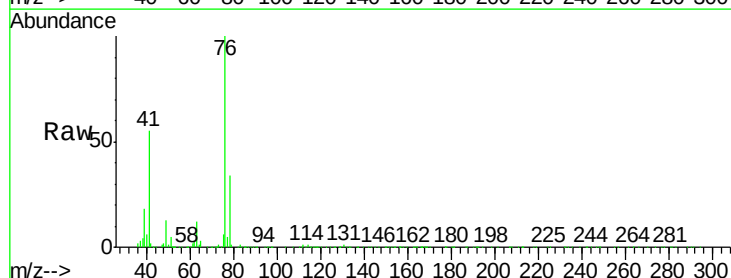
Acq: 9 May 2018 12:14

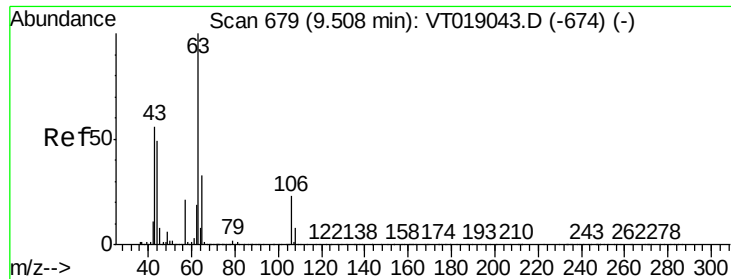
Tgt Ion: 76 Resp: 307039

Ion Ratio Lower Upper

76 100

78 33.9 24.1 36.1

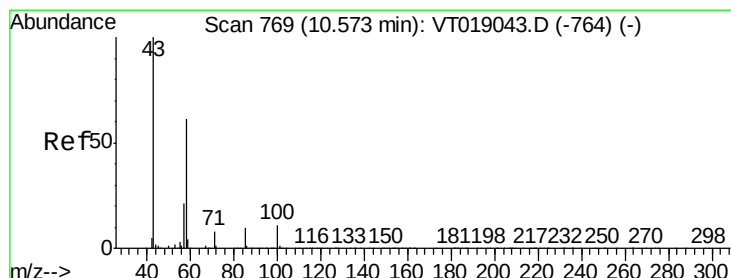
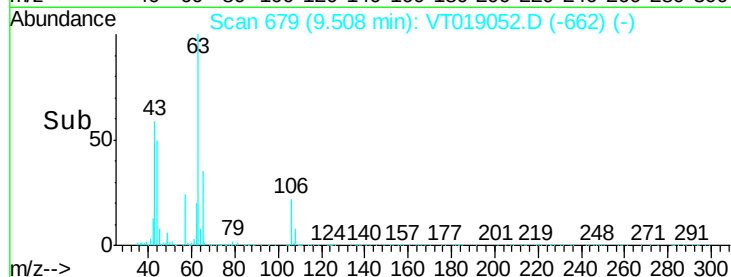
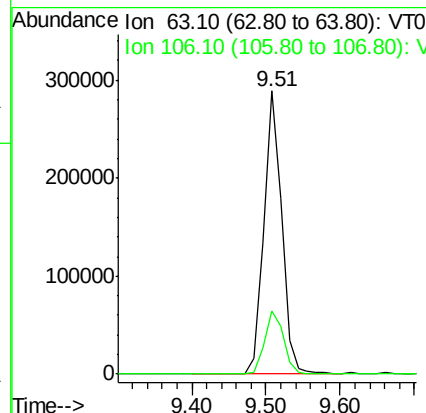
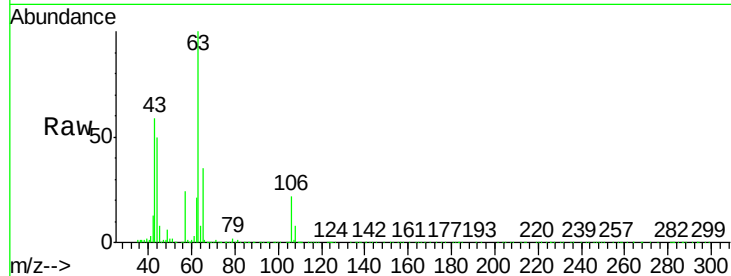




#57
 2-Chloroethyl Vinyl ether
 Concen: 106.16 ug/l
 RT: 9.51 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VT019052.D
 Acq: 9 May 2018 12:14

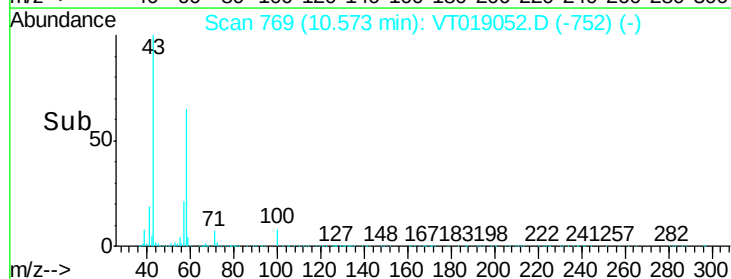
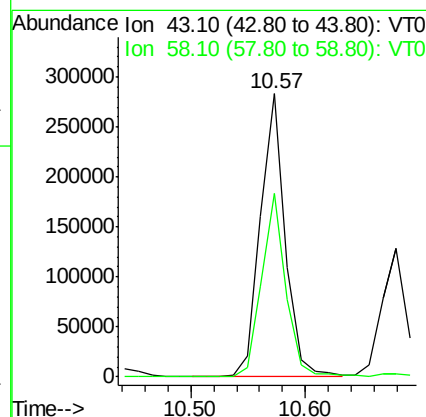
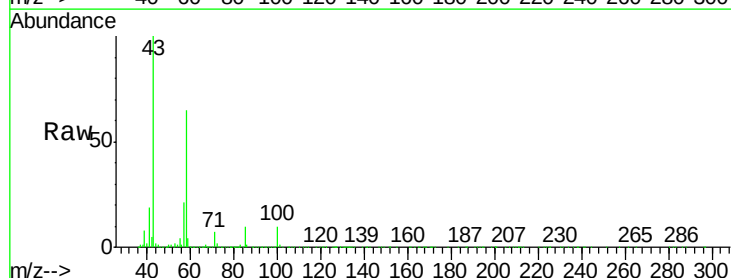
Instrument :
 MSVOA_T
 ClientSampleId :
 VT0509SBSD01

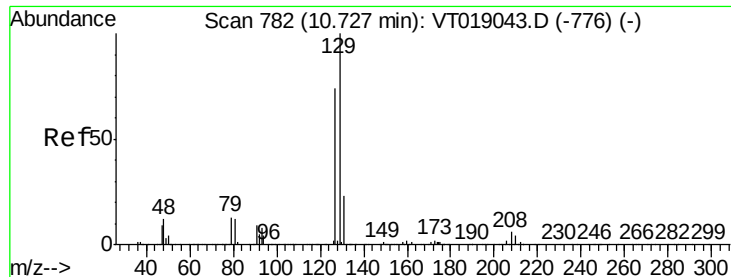
Tot Ion: 63 Resp: 475977
 Ion Ratio Lower Upper
 63 100
 106 22.2 18.7 28.1



#58
 2-Hexanone
 Concen: 109.05 ug/l
 RT: 10.57 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: VT019052.D
 Acq: 9 May 2018 12:14

Tgt Ion: 43 Resp: 427360
 Ion Ratio Lower Upper
 43 100
 58 64.8 30.6 92.0





#59

Dibromochloromethane

Concen: 18.67 ug/l

RT: 10.73 min Scan# 782

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

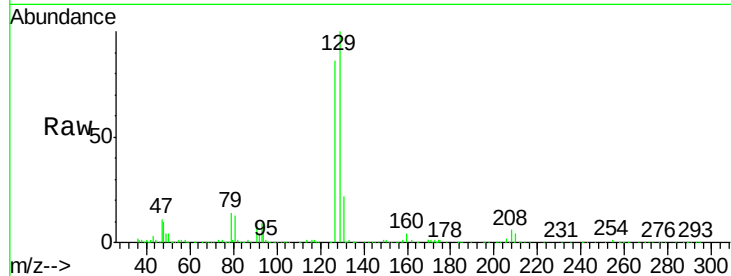
VT0509SBS01

Tot Ion:129 Resp: 157676

Ion Ratio Lower Upper

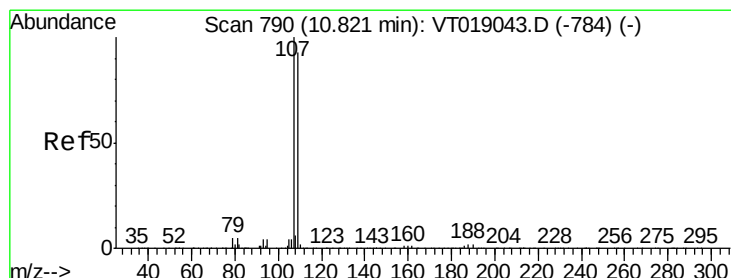
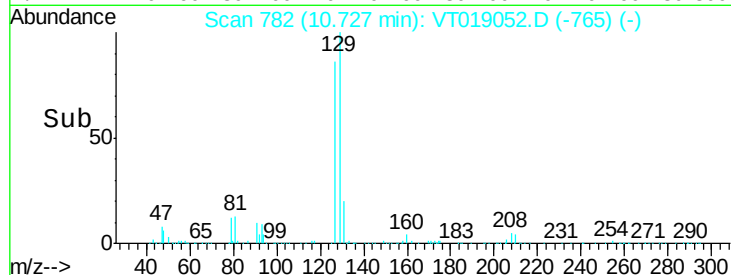
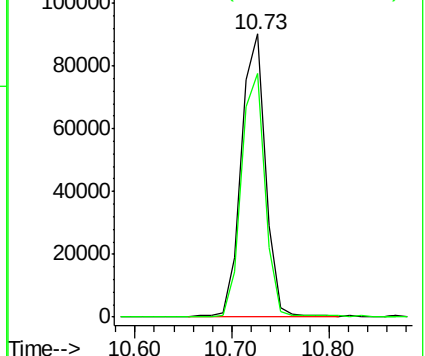
129 100

127 86.0 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: 20.25 ug/l

RT: 10.82 min Scan# 790

Delta R.T. -0.00 min

Lab File: VT019052.D

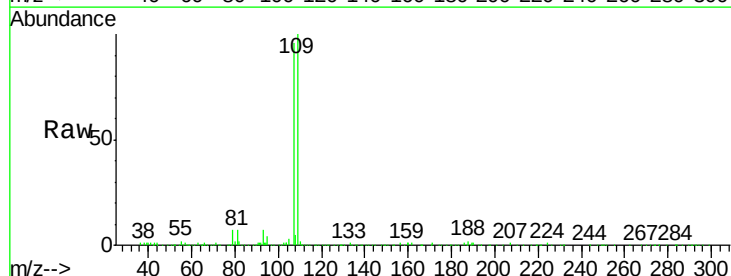
Acq: 9 May 2018 12:14

Tgt Ion:107 Resp: 142119

Ion Ratio Lower Upper

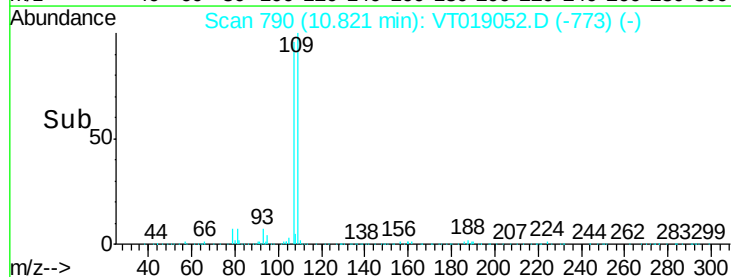
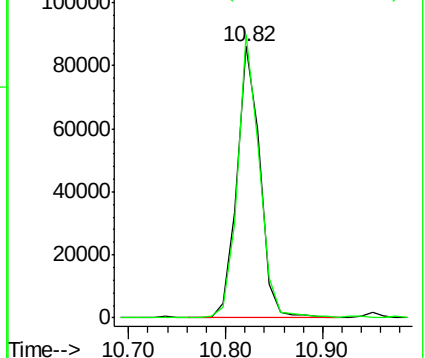
107 100

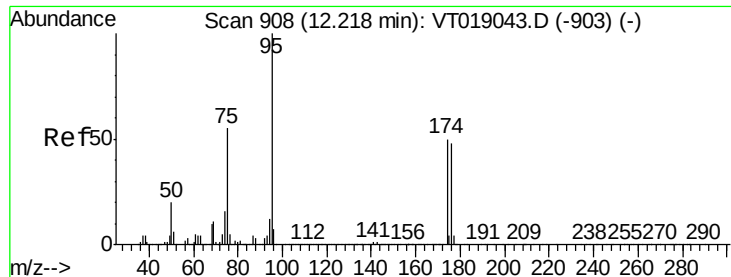
109 104.3 74.3 111.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

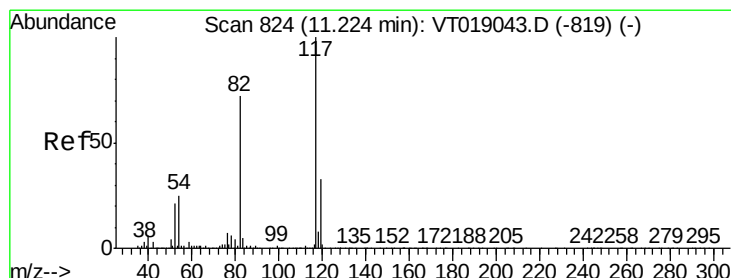
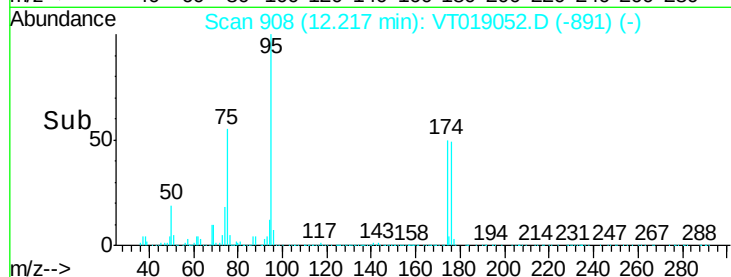
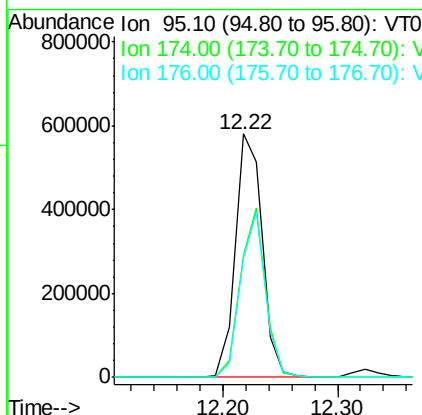
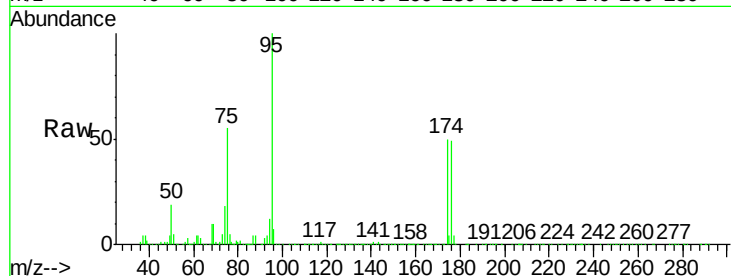




#61
4-Bromofluorobenzene
Concen: 54.50 ug/l
RT: 12.22 min Scan# 908
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

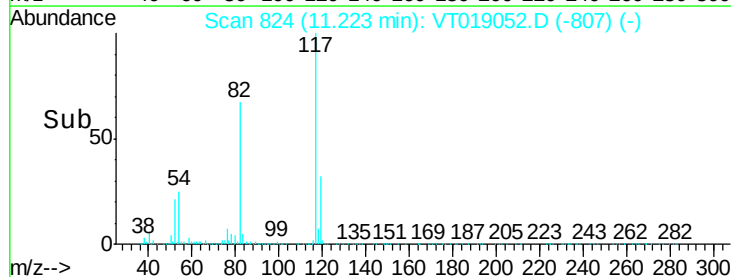
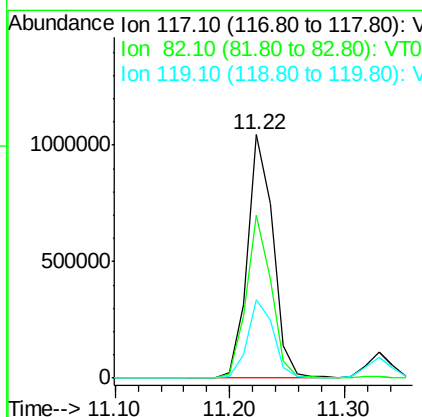
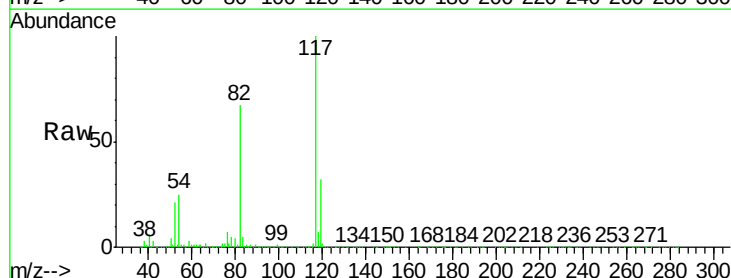
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBSD01

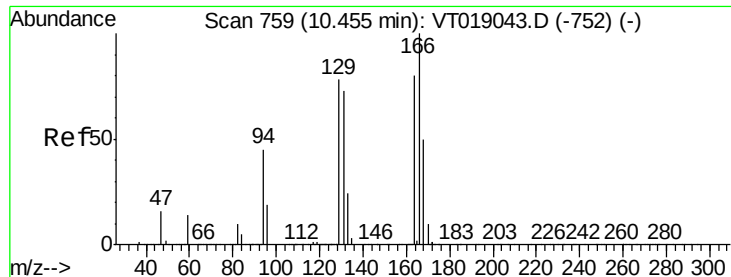
Tot Ion	Ratio	Lower	Upper
95	100		
174	50.3	0.0	100.0
176	49.3	0.0	96.6



#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.22 min Scan# 824
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.1	57.6	86.4
119	32.2	26.6	40.0

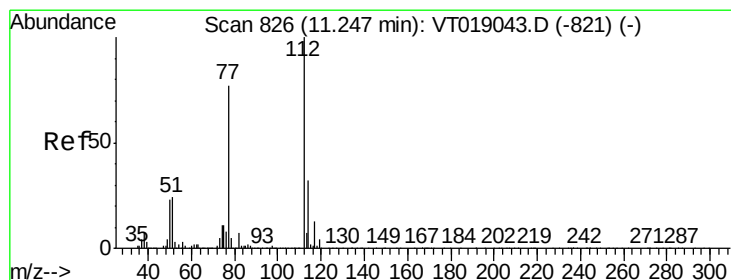
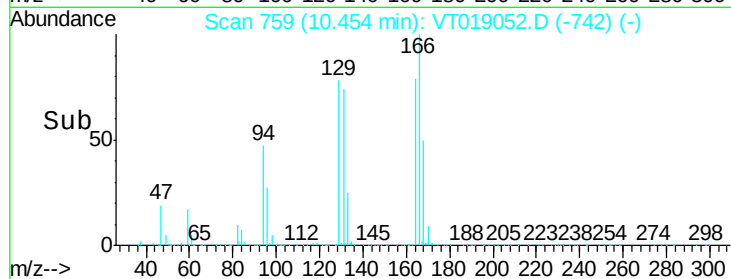
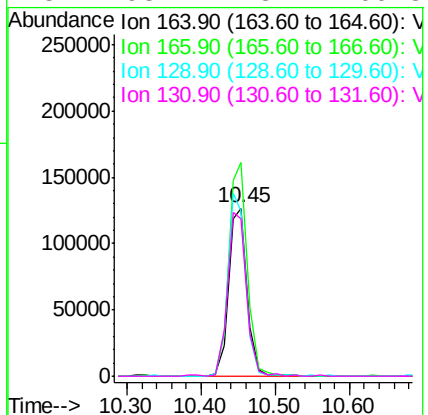
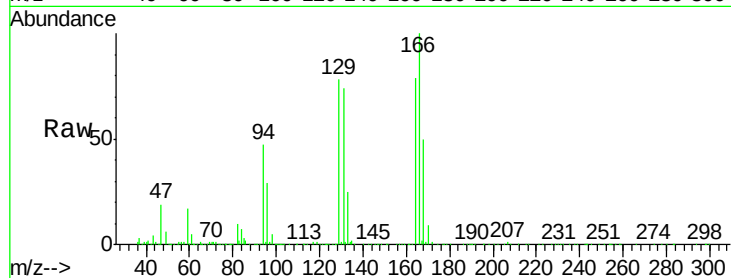




#63
Tetrachloroethene
Concen: 20.10 ug/l
RT: 10.45 min Scan# 759
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

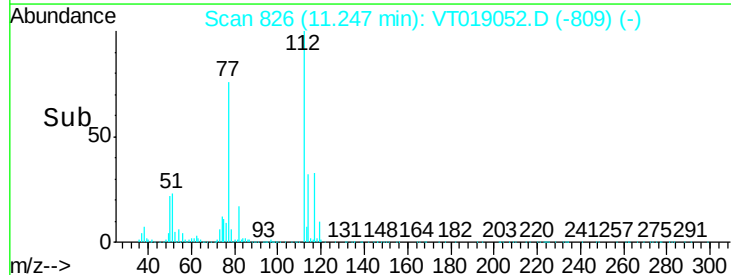
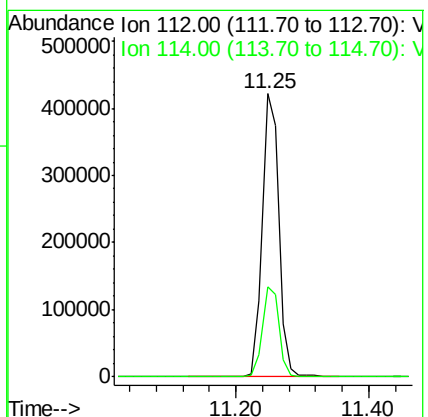
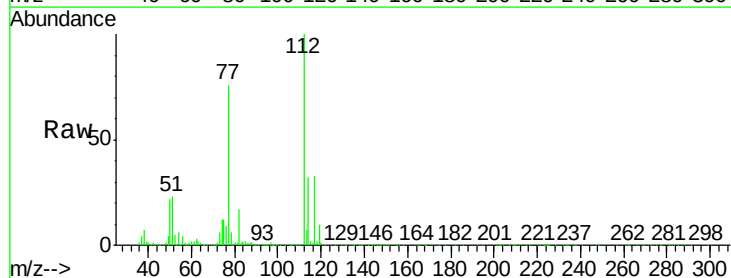
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBS01

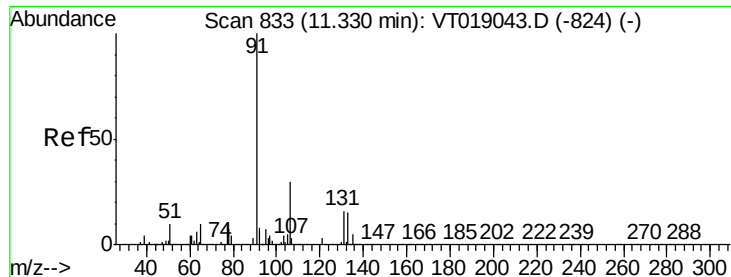
Tot Ion	Ratio	Lower	Upper
164	100		
166	127.0	100.6	151.0
129	98.5	78.1	117.1
131	93.7	73.2	109.8



#64
Chlorobenzene
Concen: 21.22 ug/l
RT: 11.25 min Scan# 826
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.5	38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.58 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

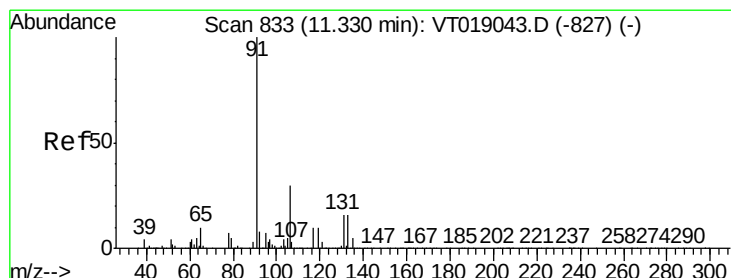
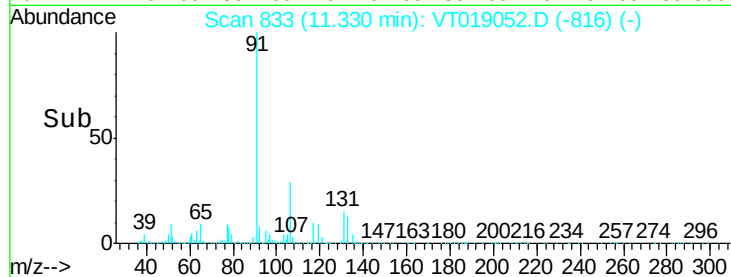
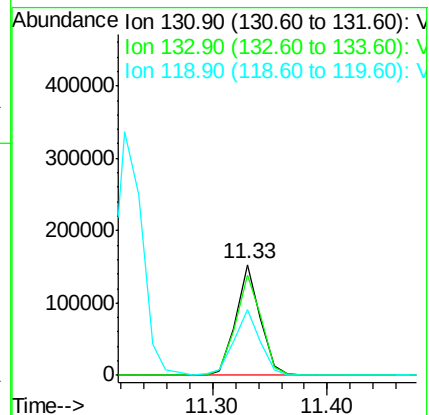
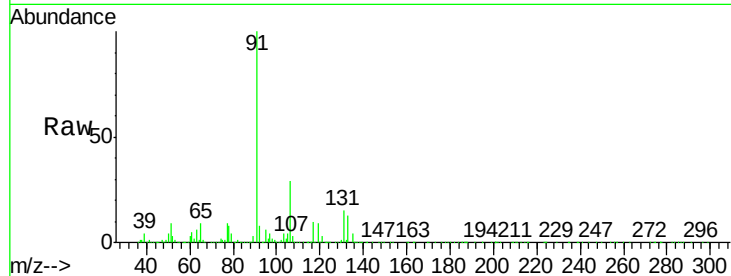
Tot Ion:131 Resp: 226751

Ion Ratio Lower Upper

131 100

133 90.9 47.8 143.3

119 59.4 31.8 95.4



#66

Ethyl Benzene

Concen: 23.26 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019052.D

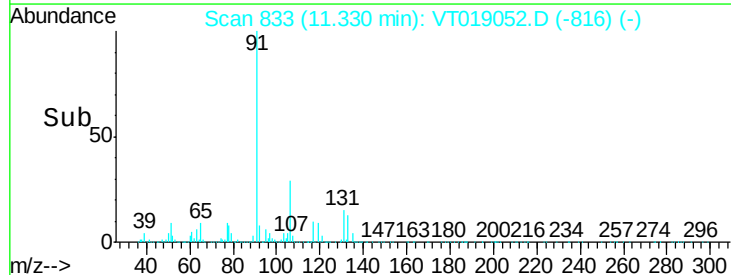
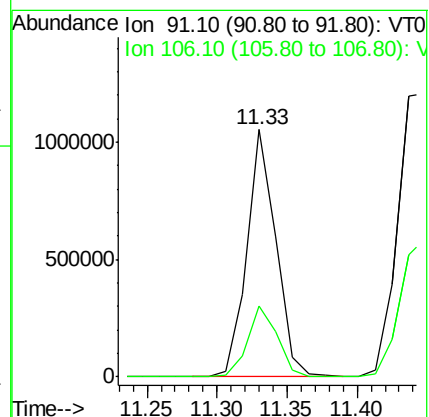
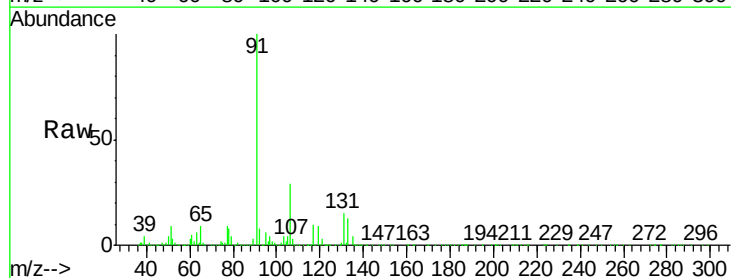
Acq: 9 May 2018 12:14

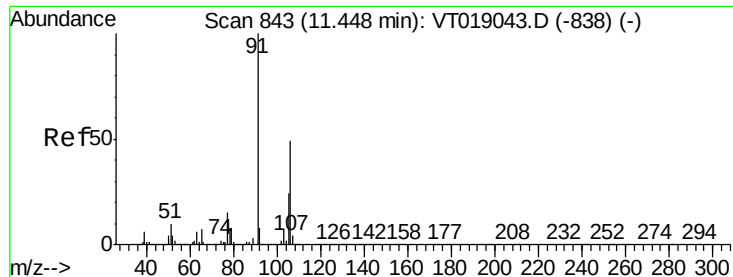
Tgt Ion: 91 Resp: 1513931

Ion Ratio Lower Upper

91 100

106 28.8 24.0 36.0

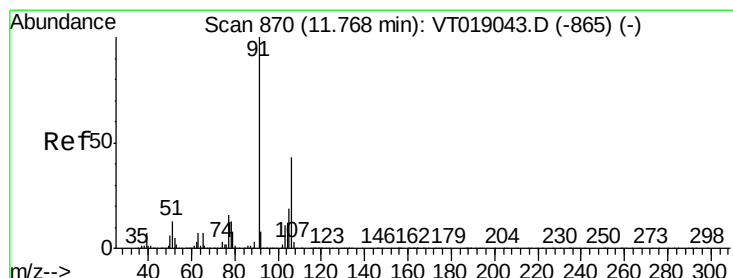
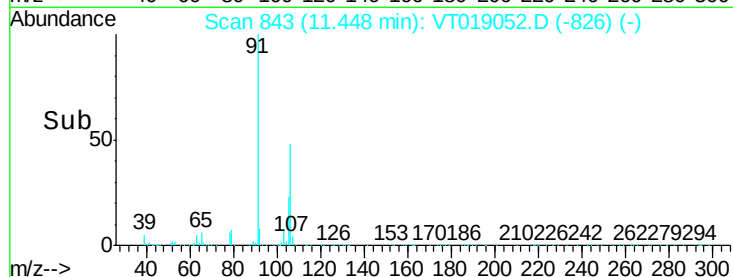
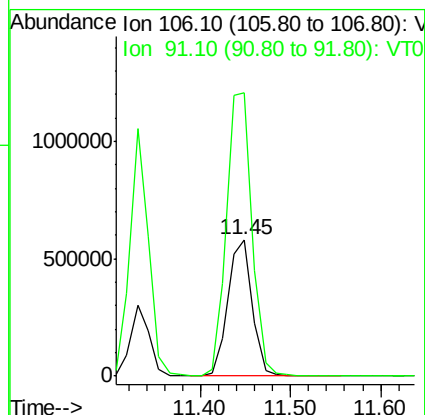
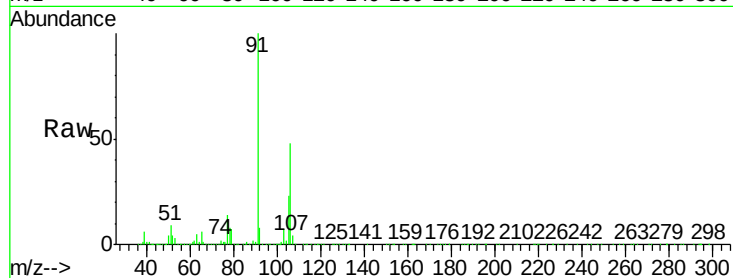




#67
m/p-Xylenes
Concen: 45.14 ug/l
RT: 11.45 min Scan# 843
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

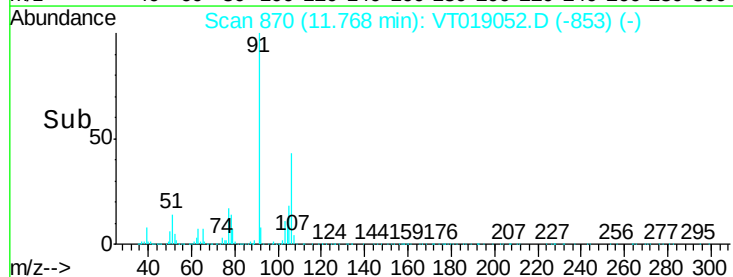
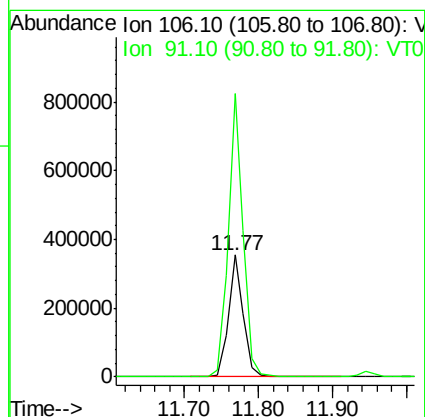
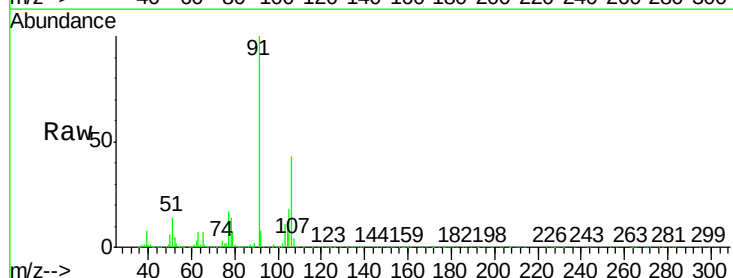
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBSD01

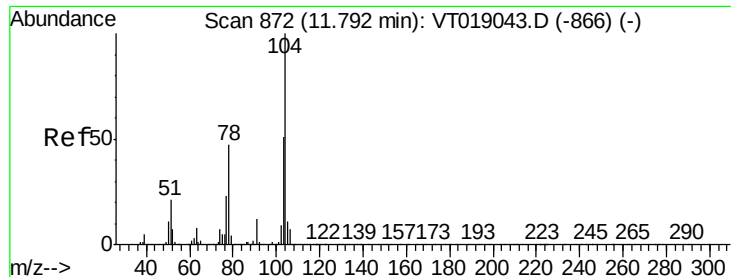
Tot Ion:106 Resp: 1092559
Ion Ratio Lower Upper
106 100
91 207.6 162.2 243.4



#68
o-Xylene
Concen: 21.92 ug/l
RT: 11.77 min Scan# 870
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Tgt Ion:106 Resp: 497816
Ion Ratio Lower Upper
106 100
91 233.0 116.0 348.0

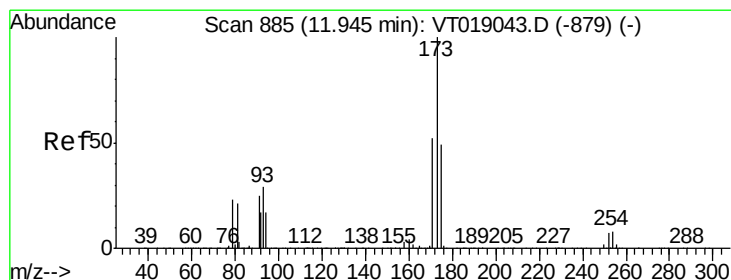
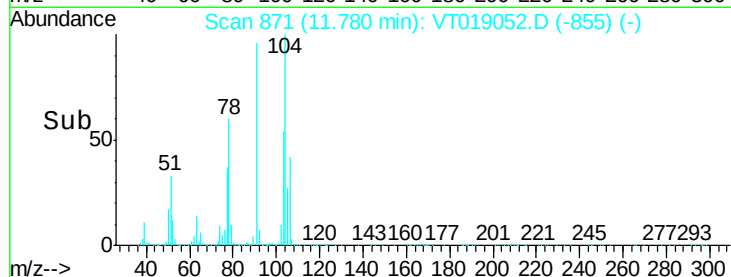
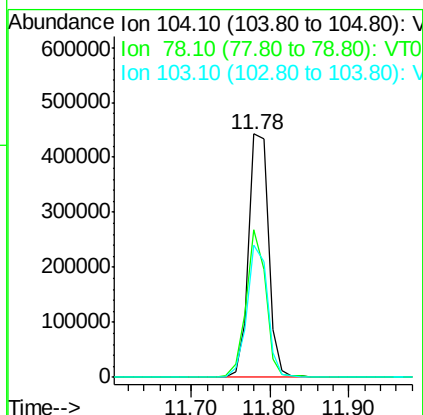
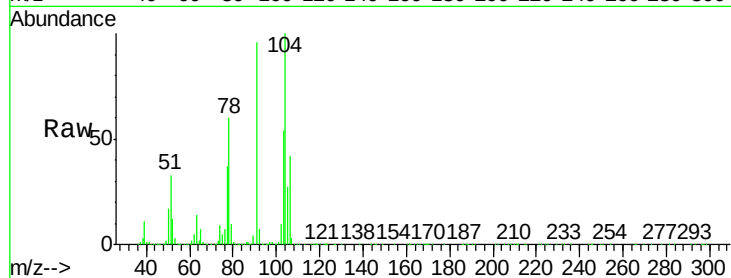




#69
Stvrene
Concen: 22.12 ug/l
RT: 11.78 min Scan# 871
Delta R.T. -0.01 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

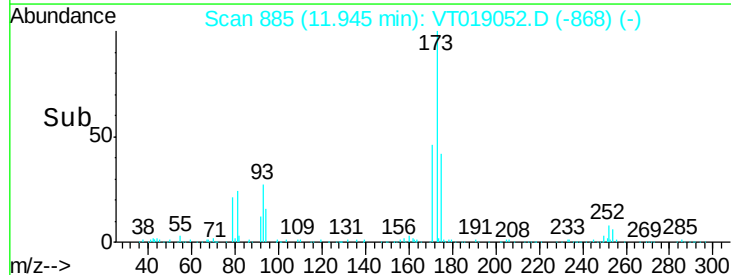
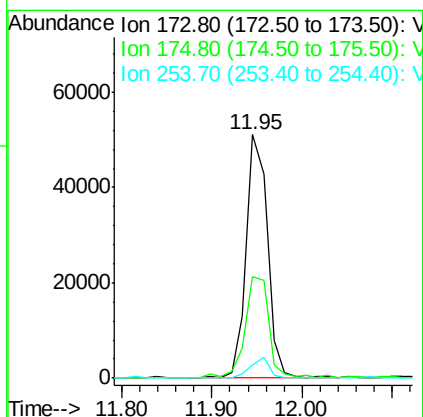
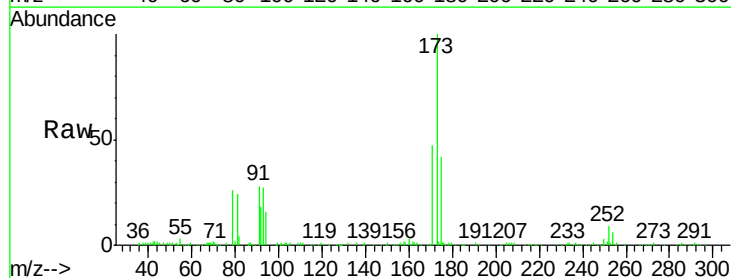
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBSD01

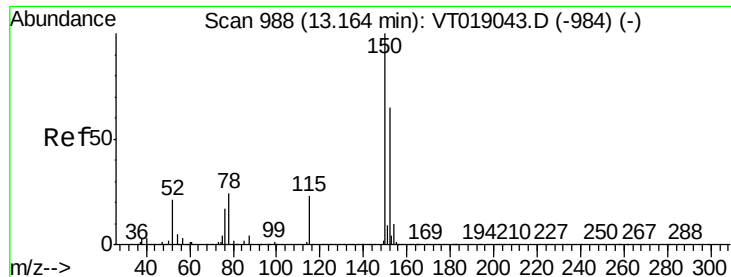
Tot Ion:104 Resp: 777960
Ion Ratio Lower Upper
104 100
78 60.4 38.0 57.0#
103 54.4 40.6 61.0



#70
Bromoform
Concen: 20.12 ug/l
RT: 11.95 min Scan# 885
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Tgt Ion:173 Resp: 84237
Ion Ratio Lower Upper
173 100
175 41.7 24.6 73.8
254 5.5 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: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBS01

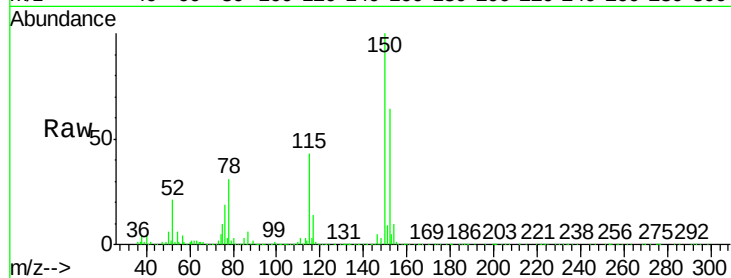
Tot Ion:152 Resp: 787494

Ion Ratio Lower Upper

152 100

115 66.3 34.2 102.6

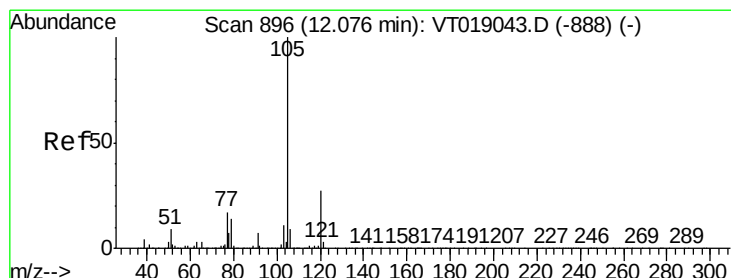
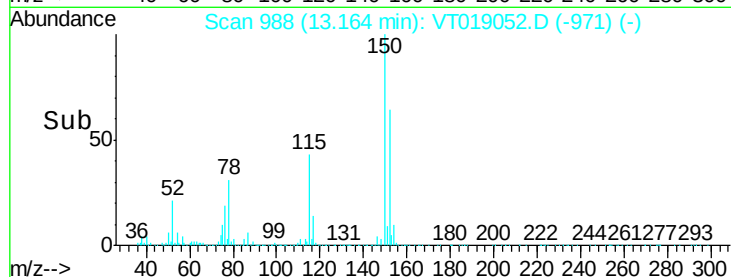
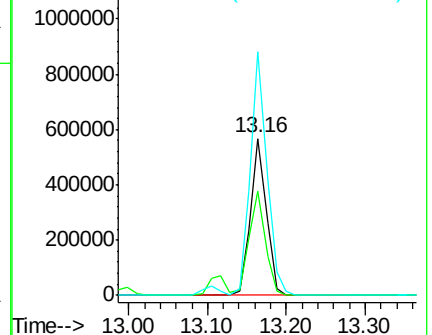
150 155.4 0.0 321.2



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: 23.32 ug/l

RT: 12.08 min Scan# 896

Delta R.T. -0.00 min

Lab File: VT019052.D

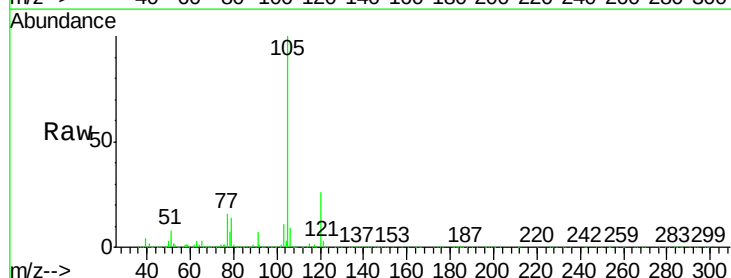
Acq: 9 May 2018 12:14

Tgt Ion:105 Resp: 1482675

Ion Ratio Lower Upper

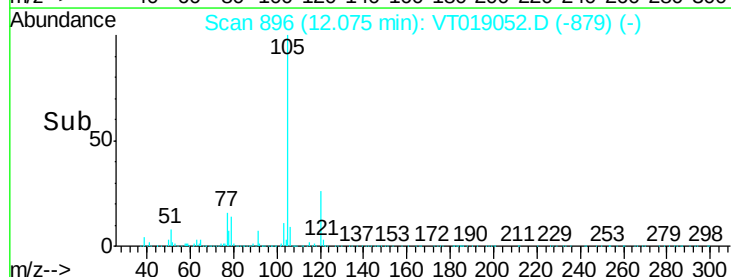
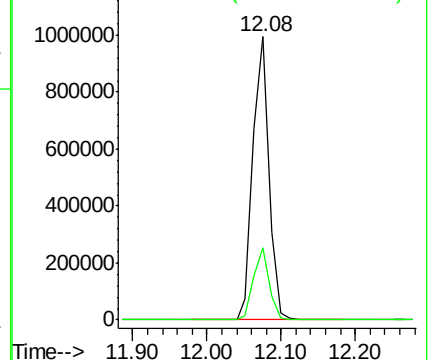
105 100

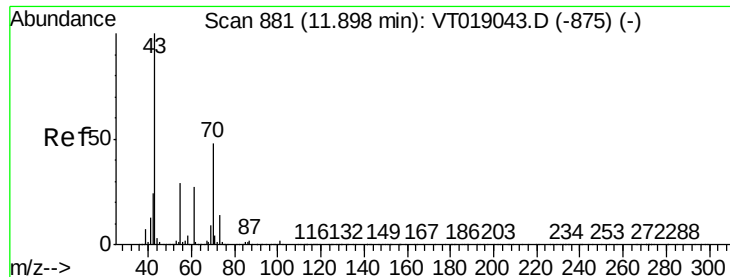
120 25.7 13.6 40.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V

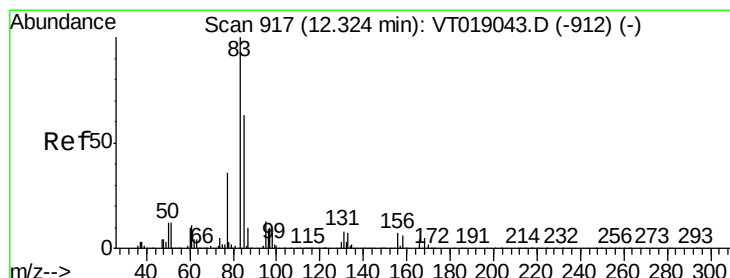
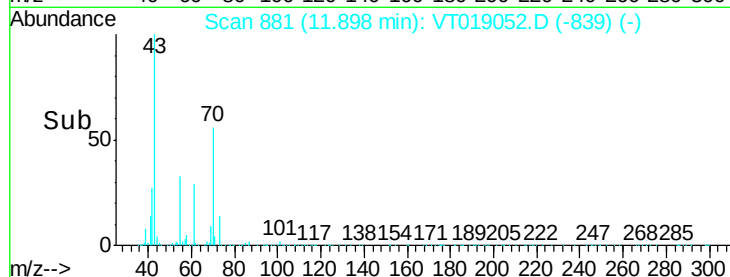
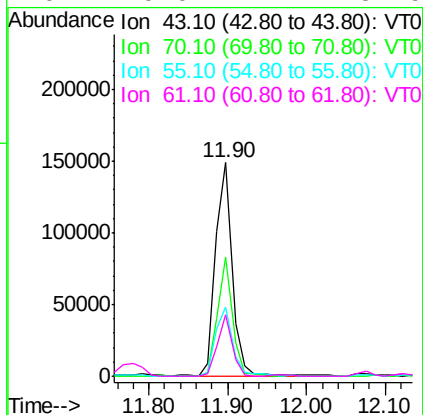
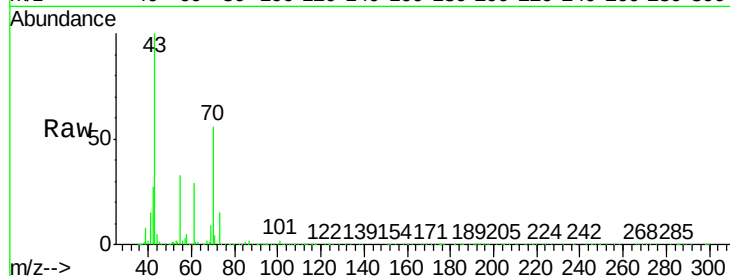




#73
N-amvl acetate
Concen: 20.93 ug/l
RT: 11.90 min Scan# 881
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

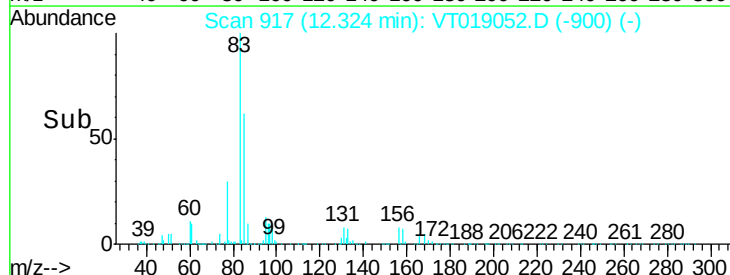
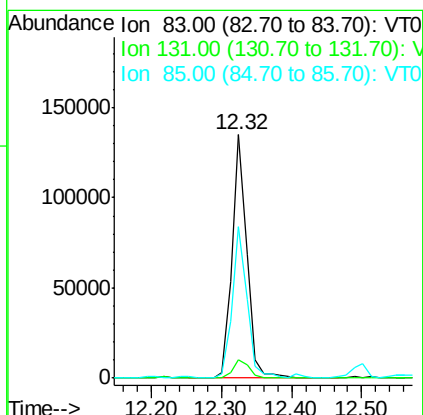
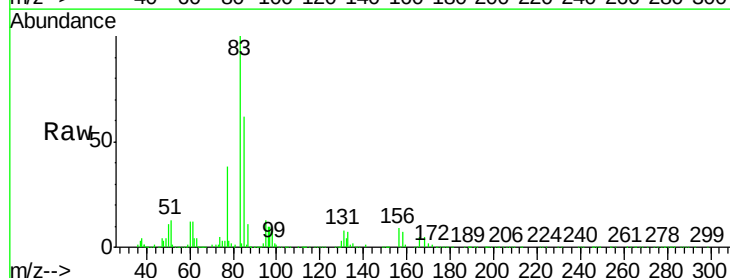
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBS01

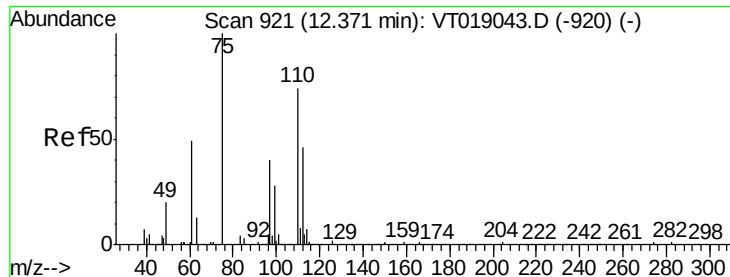
Tot Ion:	43	Resp:	219369
Ion	Ratio	Lower	Upper
43	100		
70	55.6	38.2	57.4
55	32.7	23.5	35.3
61	29.0	21.7	32.5



#74
1,1,2,2-Tetrachloroethane
Concen: 21.36 ug/l
RT: 12.32 min Scan# 917
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Tgt Ion:	83	Resp:	199851
Ion	Ratio	Lower	Upper
83	100		
131	7.8	4.0	12.2
85	62.2	31.4	94.3





#75

1,2,3-Trichloropropane

Concen: 20.25 ug/l m

RT: 12.37 min Scan# 921

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

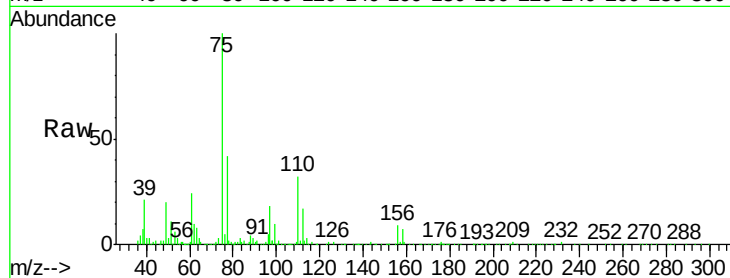
VT0509SBSD01

Tot Ion: 75 Resp: 135650

Ion Ratio Lower Upper

75 100

77 41.9 21.1 63.1



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 77.10 (76.80 to 77.80): VT0

400000

300000

200000

100000

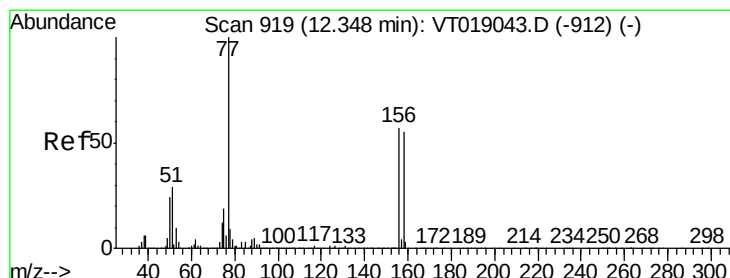
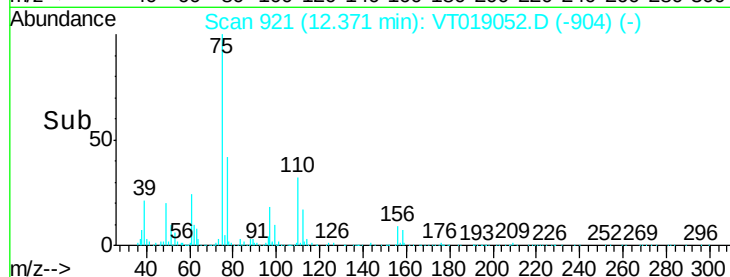
0

12.35

12.40

12.37

Time-->



#76

Bromobenzene

Concen: 20.74 ug/l

RT: 12.35 min Scan# 919

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

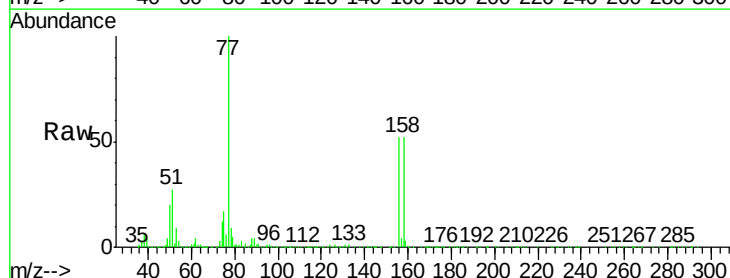
Tgt Ion: 156 Resp: 261094

Ion Ratio Lower Upper

156 100

77 192.7 87.8 263.4

158 100.1 48.3 144.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.10 (76.80 to 77.80): VT0

Ion 158.00 (157.70 to 158.70): V

400000

300000

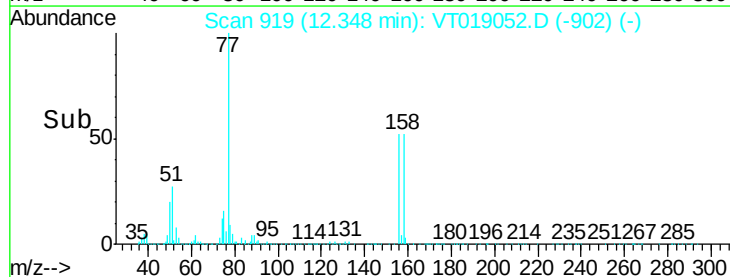
200000

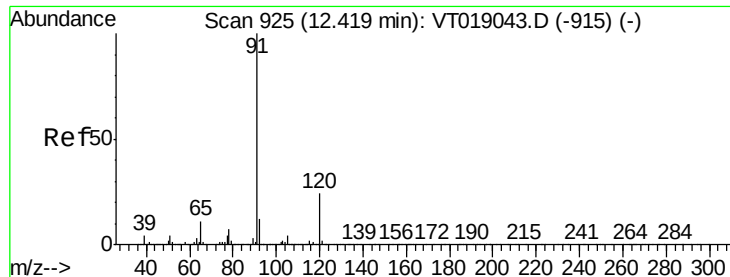
100000

0

12.35

Time-->





#77

n-propylbenzene

Concen: 20.73 ug/l

RT: 12.41 min Scan# 924

Delta R.T. -0.01 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

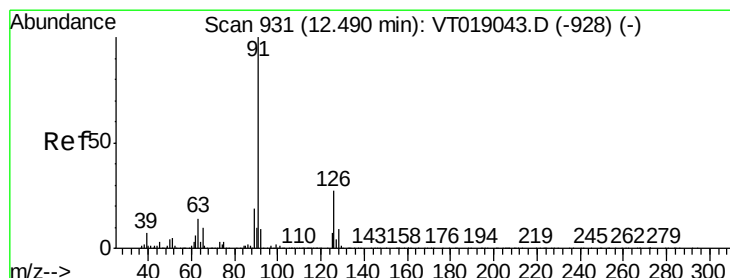
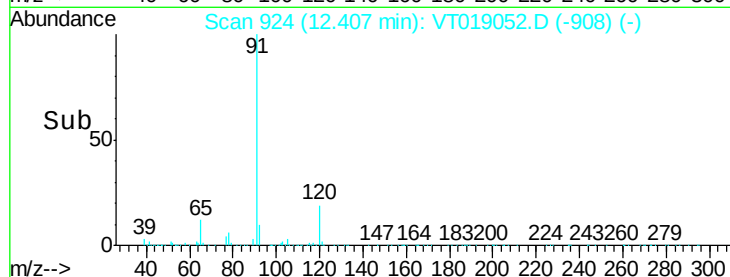
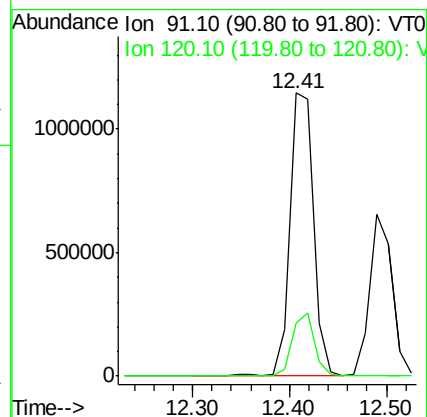
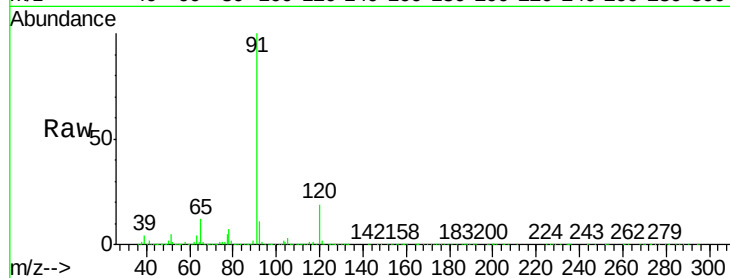
VT0509SBS01

Tot Ion: 91 Resp: 1927877

Ion Ratio Lower Upper

91 100

120 18.8 12.0 36.1



#78

2-Chlorotoluene

Concen: 22.30 ug/l

RT: 12.49 min Scan# 931

Delta R.T. -0.00 min

Lab File: VT019052.D

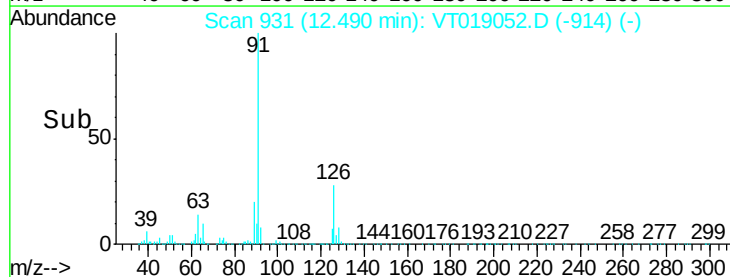
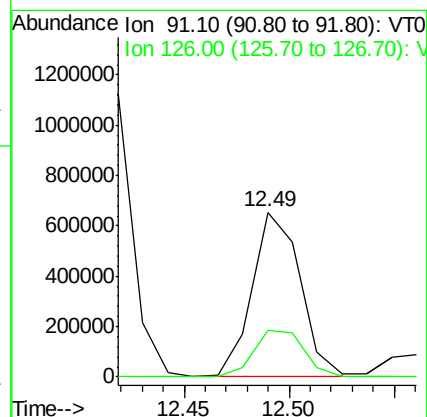
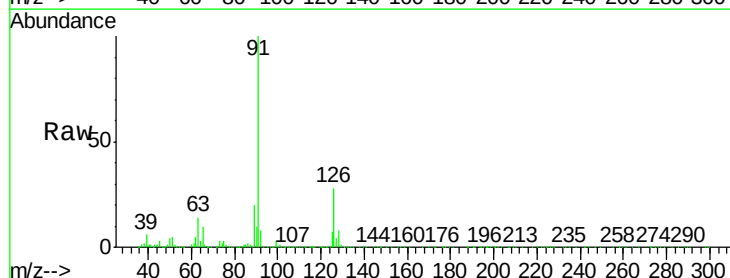
Acq: 9 May 2018 12:14

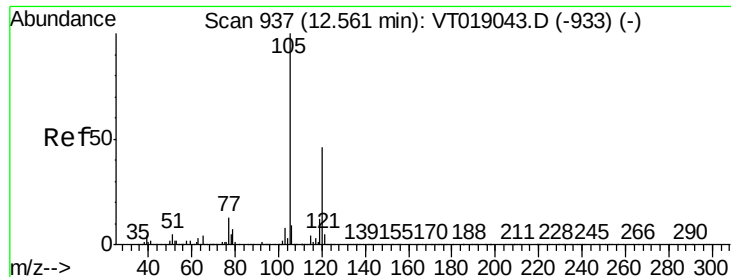
Tgt Ion: 91 Resp: 1040791

Ion Ratio Lower Upper

91 100

126 28.1 13.5 40.5





#79

1,3,5-Trimethylbenzene

Concen: 23.02 ug/l

RT: 12.56 min Scan# 937

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

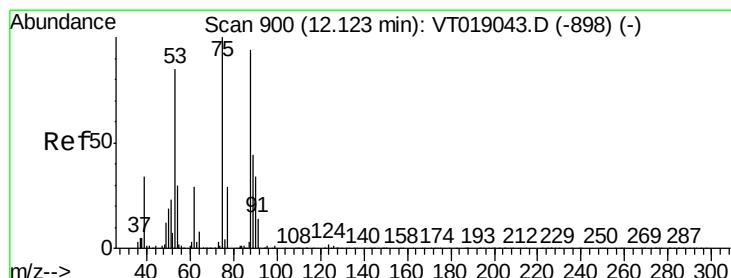
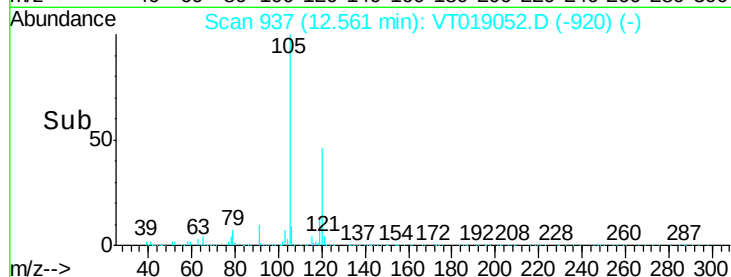
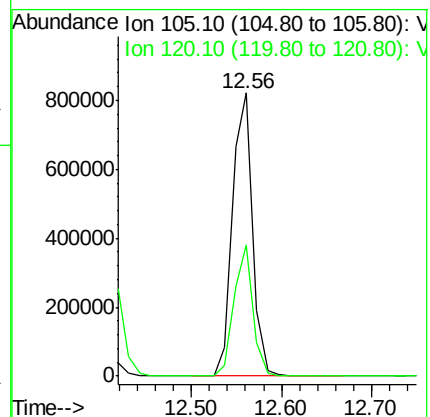
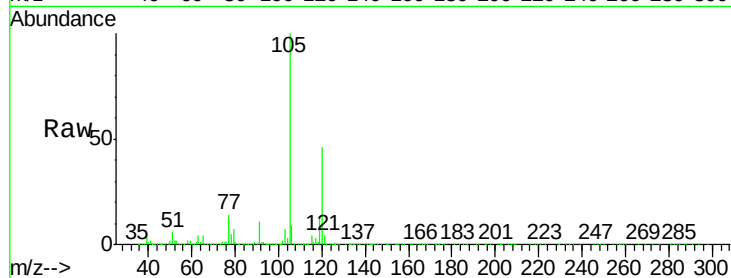
VT0509SBSD01

Tot Ion:105 Resp: 1270667

Ion Ratio Lower Upper

105 100

120 46.2 23.2 69.5



#80

trans-1,4-Dichloro-2-butene

Concen: 19.41 ug/l

RT: 12.12 min Scan# 900

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

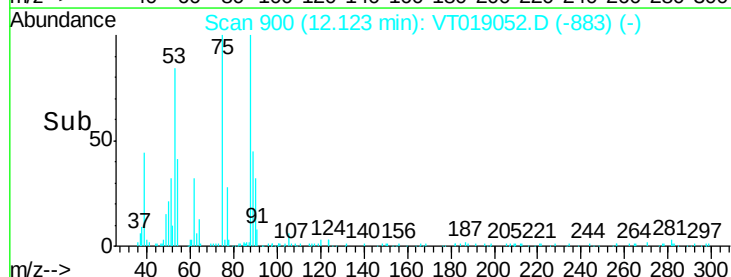
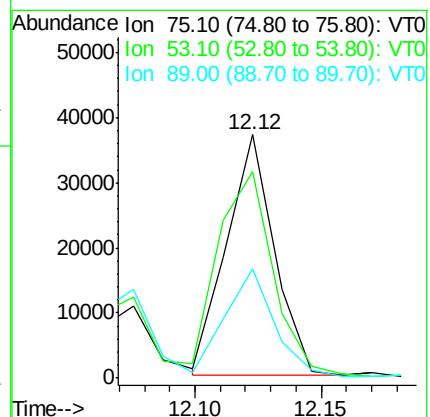
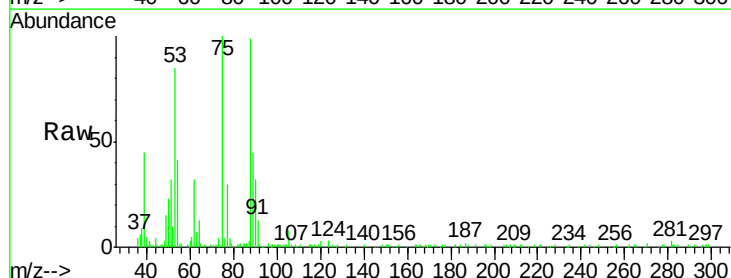
Tgt Ion: 75 Resp: 48897

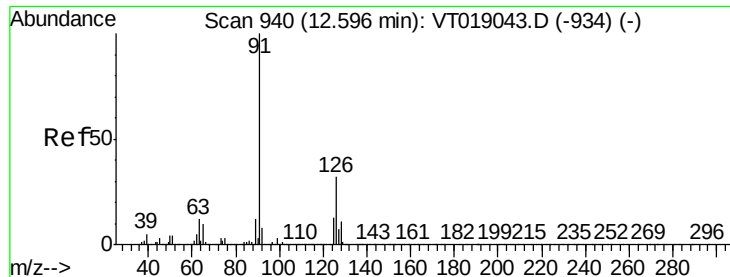
Ion Ratio Lower Upper

75 100

53 84.8 70.8 106.2

89 44.6 35.8 53.8





#81

4-Chlorotoluene

Concen: 21.87 ug/l

RT: 12.60 min Scan# 940

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

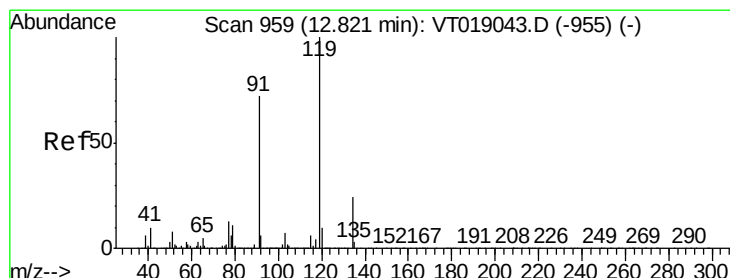
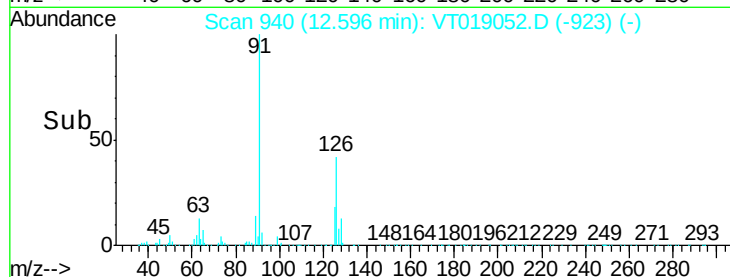
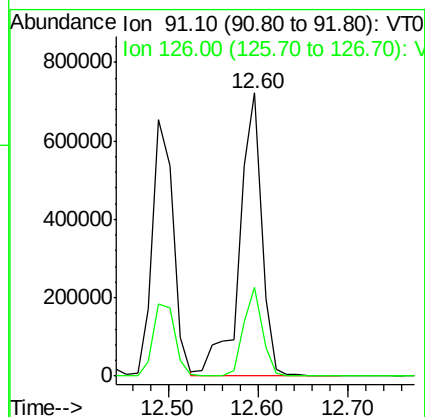
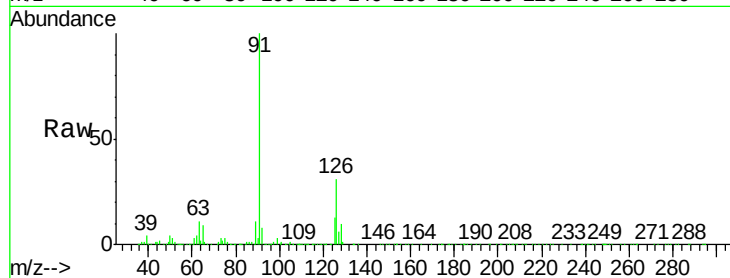
VT0509SBSD01

Tot Ion: 91 Resp: 1240129

Ion Ratio Lower Upper

91 100

126 31.3 16.0 47.9



#82

tert-Butylbenzene

Concen: 26.50 ug/l

RT: 12.82 min Scan# 959

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

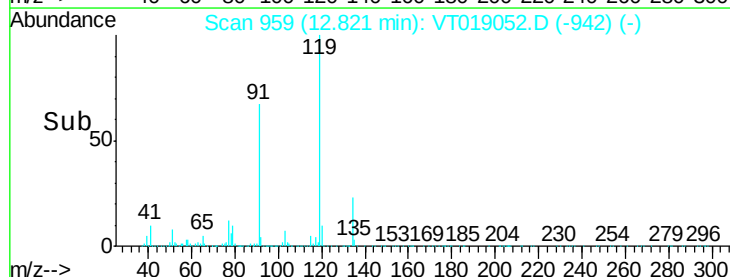
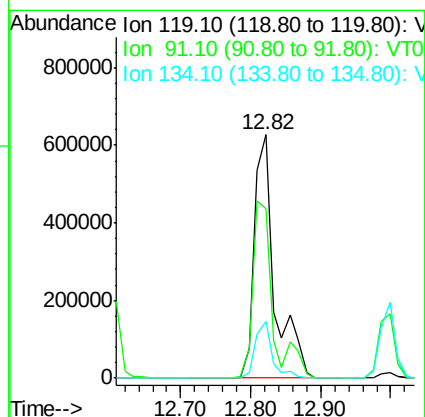
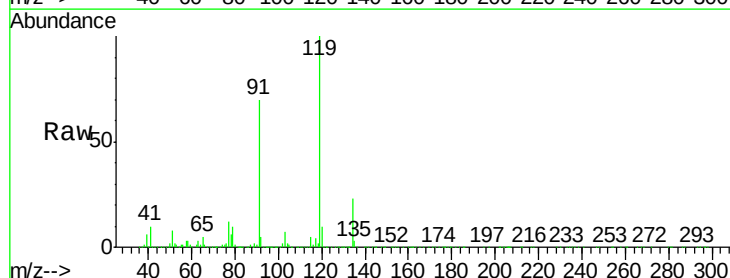
Tgt Ion: 119 Resp: 1274669

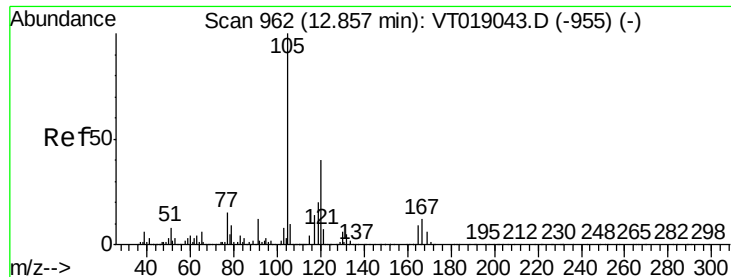
Ion Ratio Lower Upper

119 100

91 69.5 36.1 108.3

134 23.2 12.0 36.1

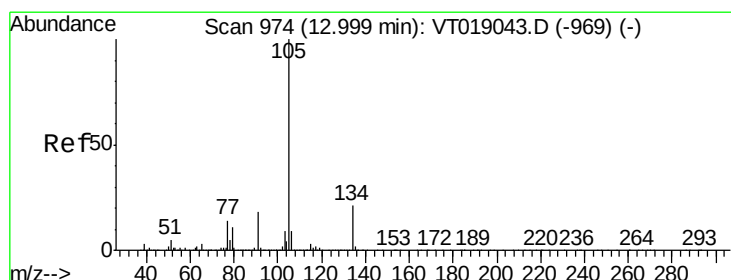
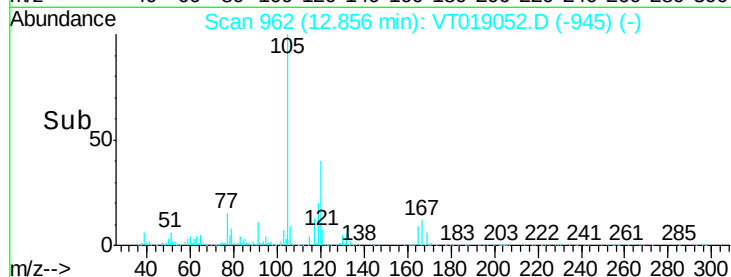
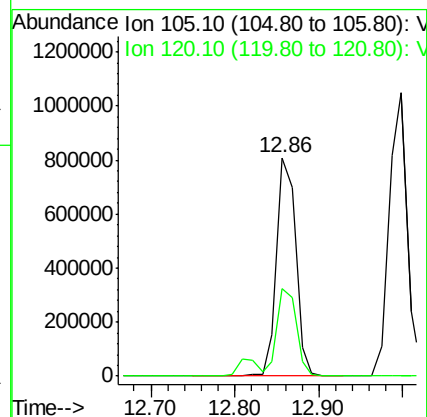
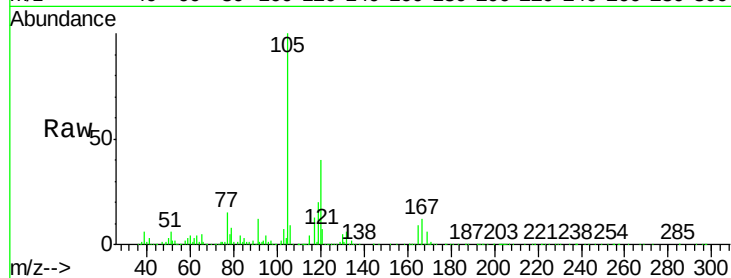




#83
 1,2,4-Trimethylbenzene
 Concen: 22.76 ug/l
 RT: 12.86 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: VT019052.D
 Acq: 9 May 2018 12:14

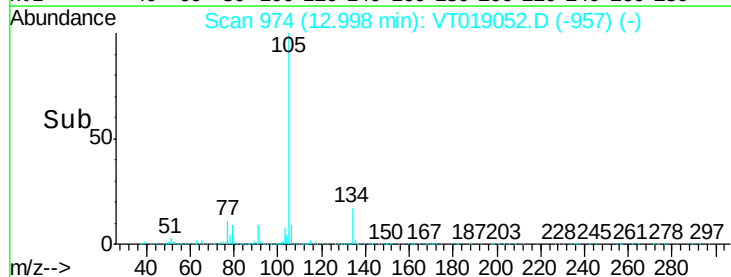
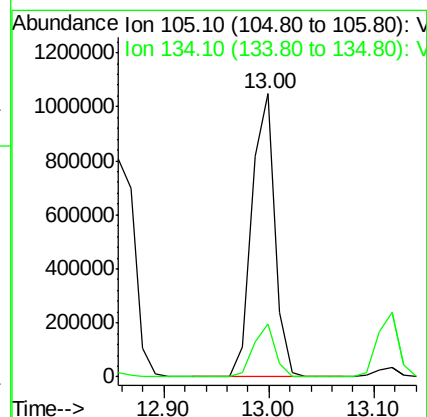
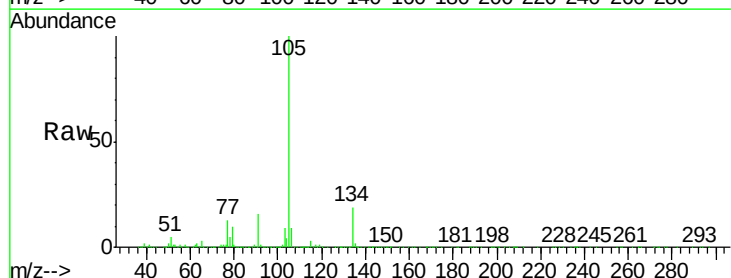
Instrument :
 MSVOA_T
 ClientSampleId :
 VT0509SBSD01

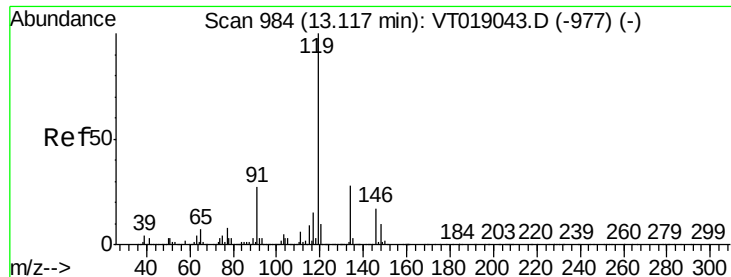
Tot Ion:105 Resp: 1273913
 Ion Ratio Lower Upper
 105 100
 120 40.0 20.0 59.9



#84
 sec-Butylbenzene
 Concen: 23.37 ug/l
 RT: 13.00 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VT019052.D
 Acq: 9 May 2018 12:14

Tgt Ion:105 Resp: 1583869
 Ion Ratio Lower Upper
 105 100
 134 18.8 10.4 31.2

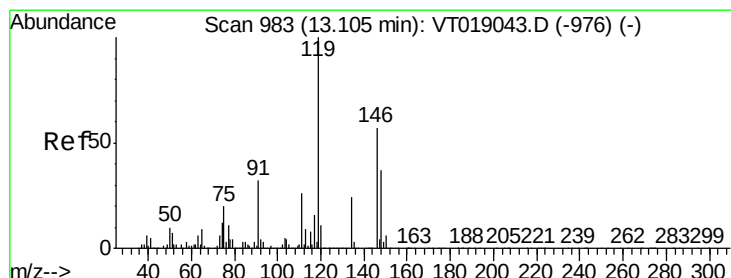
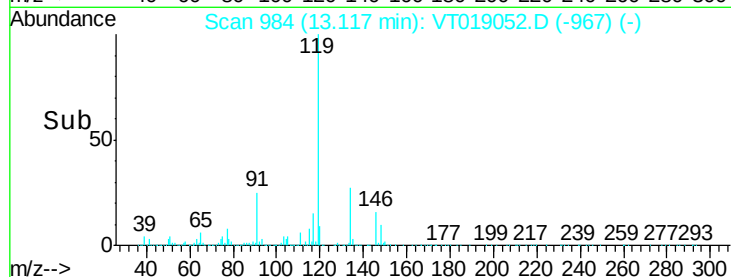
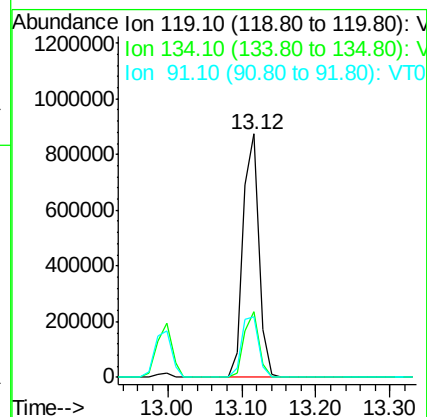
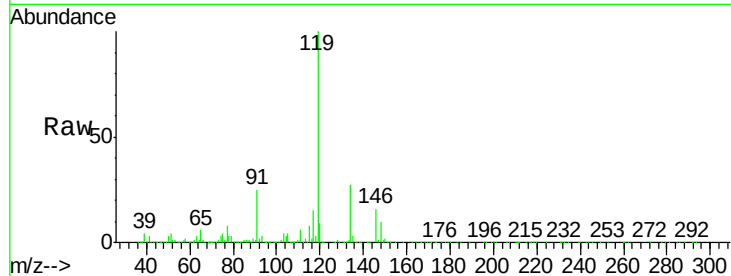




#85
p-Isopropyltoluene
Concen: 22.92 ug/l
RT: 13.12 min Scan# 984
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

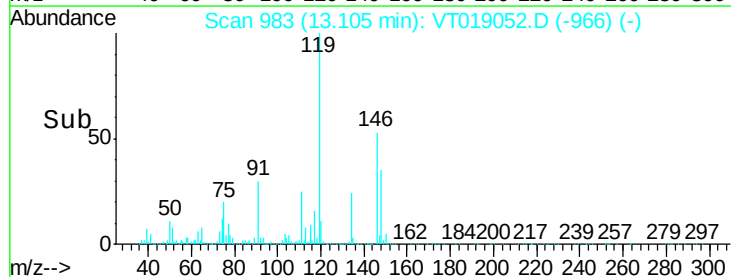
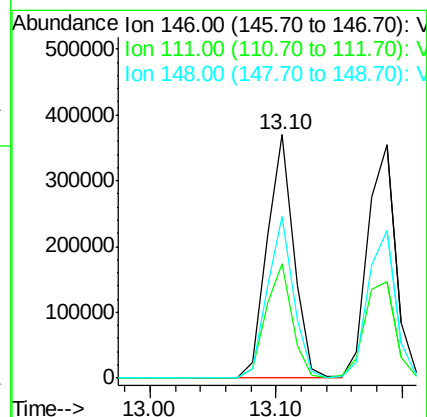
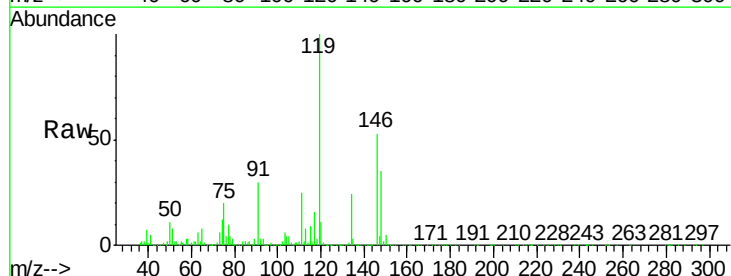
Instrument :
MSVOA_T
ClientSampleId :
VT0509SBSD01

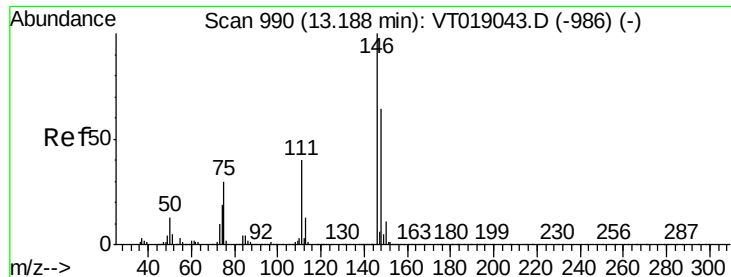
Tot Ion:119 Resp: 1306124
Ion Ratio Lower Upper
119 100
134 27.1 14.1 42.3
91 25.1 13.5 40.4



#86
1,3-Dichlorobenzene
Concen: 20.76 ug/l
RT: 13.10 min Scan# 983
Delta R.T. -0.00 min
Lab File: VT019052.D
Acq: 9 May 2018 12:14

Tgt Ion:146 Resp: 551445
Ion Ratio Lower Upper
146 100
111 46.9 23.1 69.2
148 66.3 32.5 97.5





#87

1,4-Dichlorobenzene

Concen: 20.92 ug/l

RT: 13.19 min Scan# 990

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBSD01

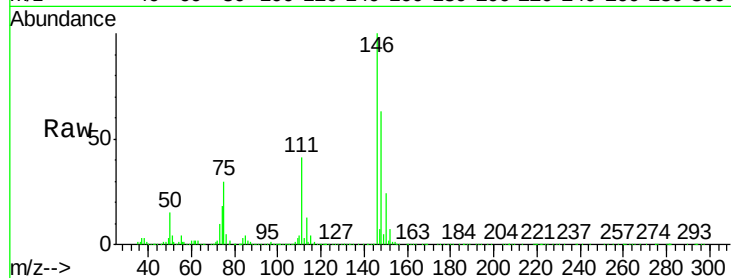
Tot Ion:146 Resp: 540243

Ion Ratio Lower Upper

146 100

111 41.2 20.3 60.8

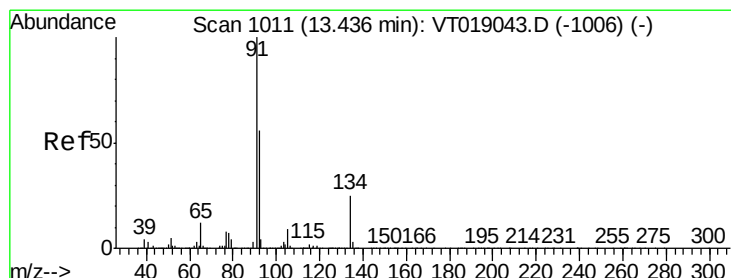
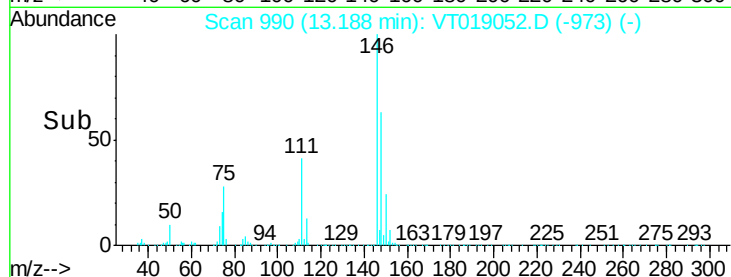
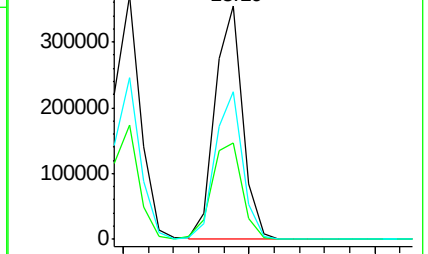
148 63.2 32.3 96.8



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



#88

n-Butylbenzene

Concen: 23.60 ug/l

RT: 13.44 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

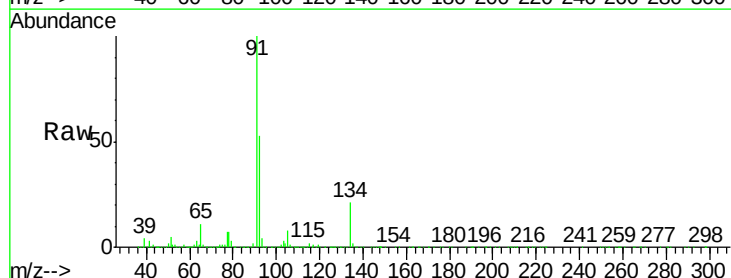
Tgt Ion: 91 Resp: 1440502

Ion Ratio Lower Upper

91 100

92 53.4 28.0 84.0

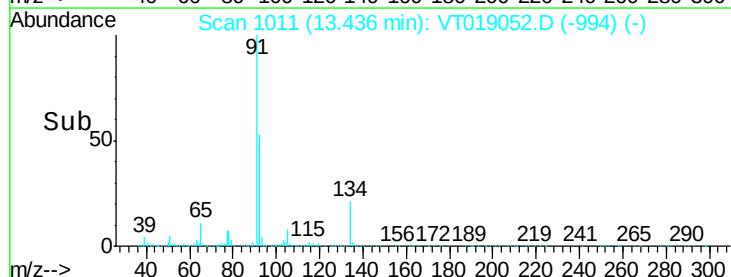
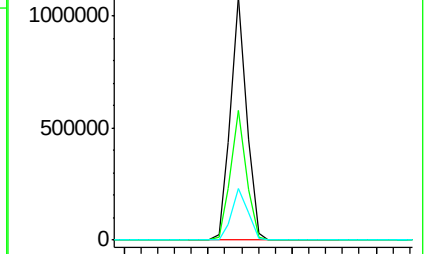
134 21.3 12.4 37.0

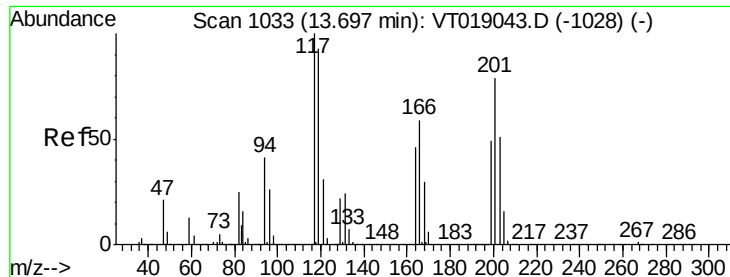


Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 92.10 (91.80 to 92.80): VT0

Ion 134.10 (133.80 to 134.80): V





#89

Hexachloroethane

Concen: 19.78 ug/l

RT: 13.70 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

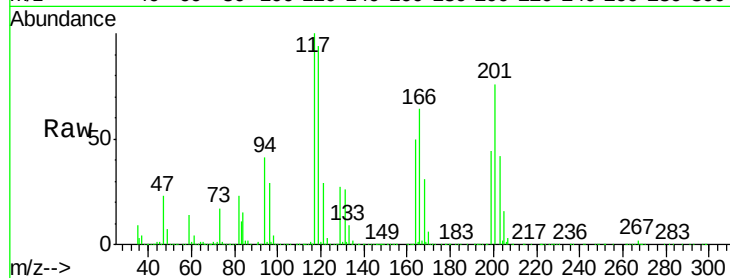
VT0509SBSD01

Tot Ion:117 Resp: 195496

Ion Ratio Lower Upper

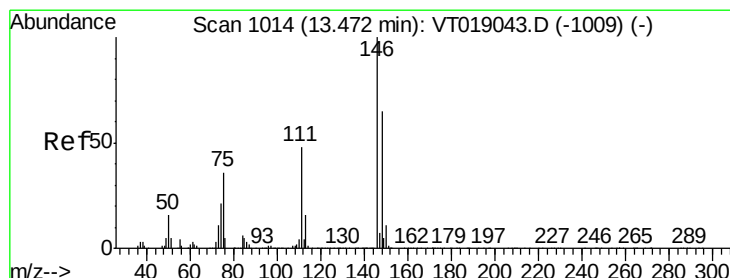
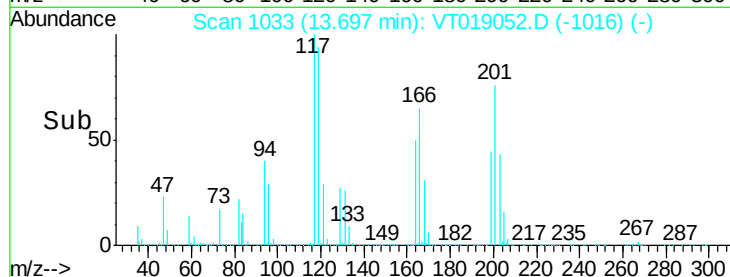
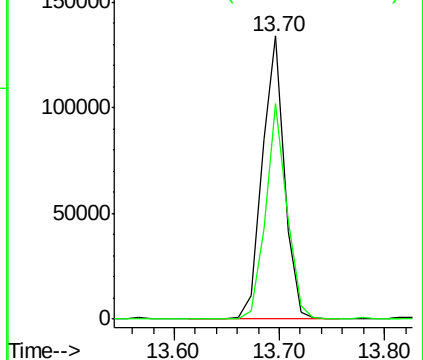
117 100

201 76.0 39.4 118.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 200.80 (200.50 to 201.50): V



#90

1,2-Dichlorobenzene

Concen: 21.14 ug/l

RT: 13.47 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

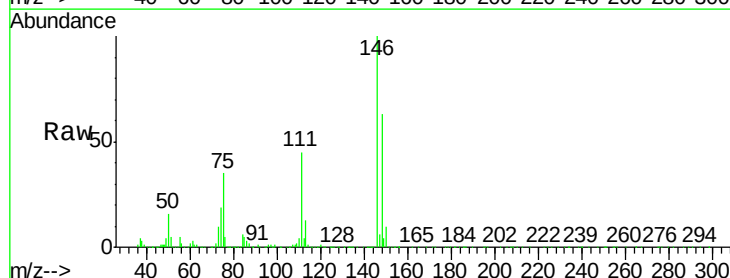
Tgt Ion:146 Resp: 469461

Ion Ratio Lower Upper

146 100

111 45.2 23.8 71.2

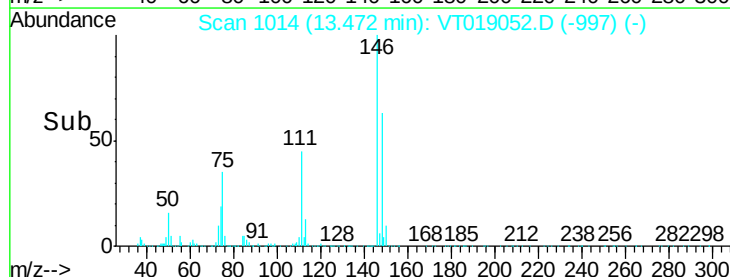
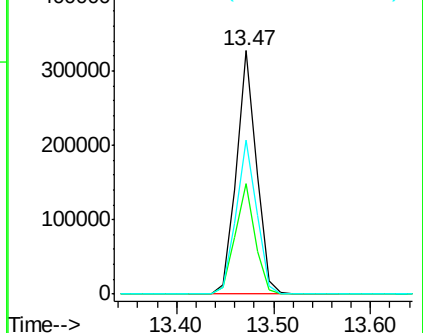
148 63.3 32.7 98.1

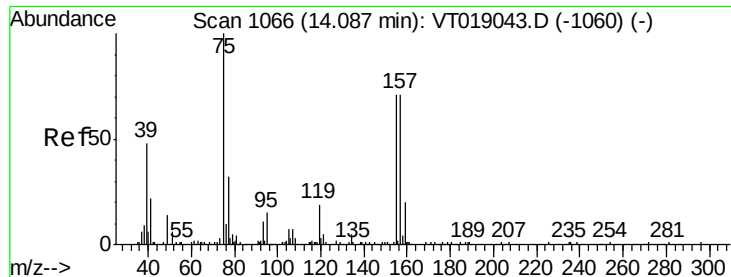


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#91

1,2-Dibromo-3-Chloropropane

Concen: 19.77 ug/l

RT: 14.09 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBSD01

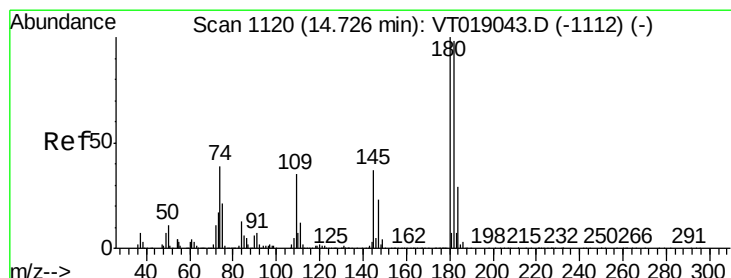
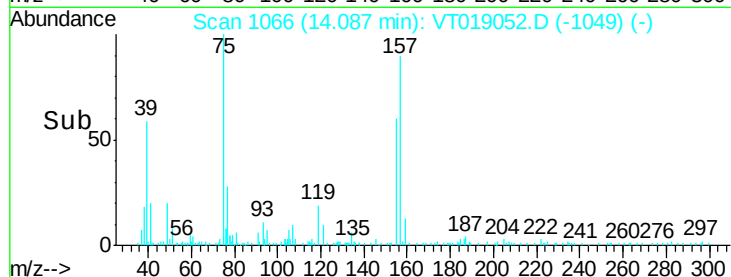
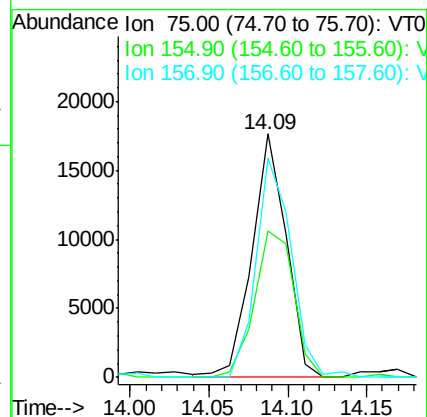
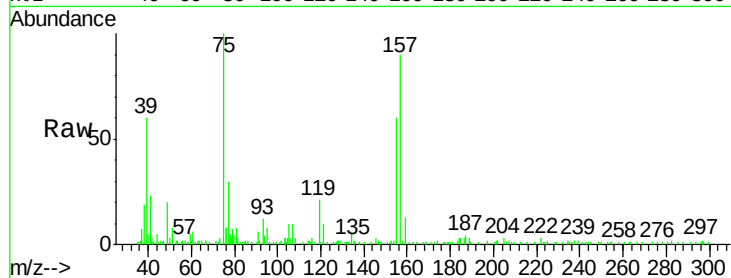
Tot Ion: 75 Resp: 26661

Ion Ratio Lower Upper

75 100

155 59.9 35.6 106.8

157 89.9 35.8 107.3



#92

1,2,4-Trichlorobenzene

Concen: 19.07 ug/l

RT: 14.73 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

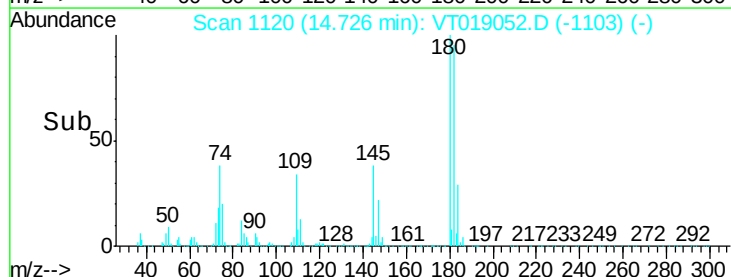
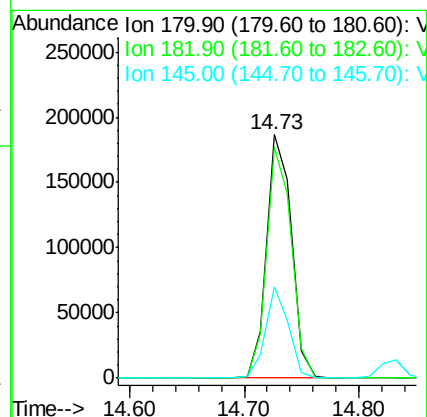
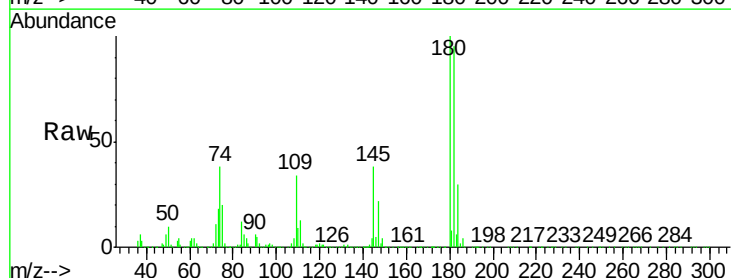
Tgt Ion: 180 Resp: 283078

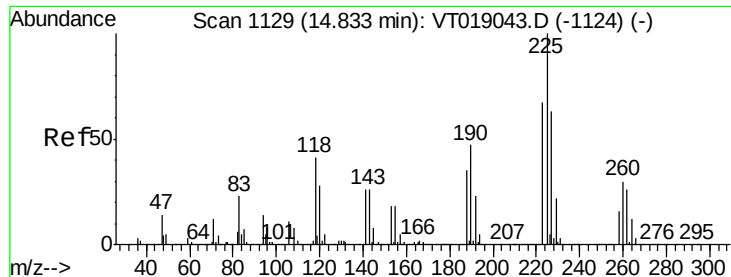
Ion Ratio Lower Upper

180 100

182 94.7 49.0 147.0

145 37.7 18.3 54.9





#93

Hexachlorobutadiene

Concen: 19.49 ug/l

RT: 14.83 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

Instrument :

MSVOA_T

ClientSampleId :

VT0509SBSD01

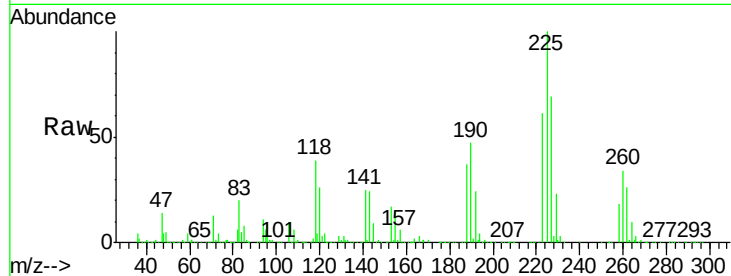
Tot Ion:225 Resp: 211298

Ion Ratio Lower Upper

225 100

223 61.1 33.5 100.4

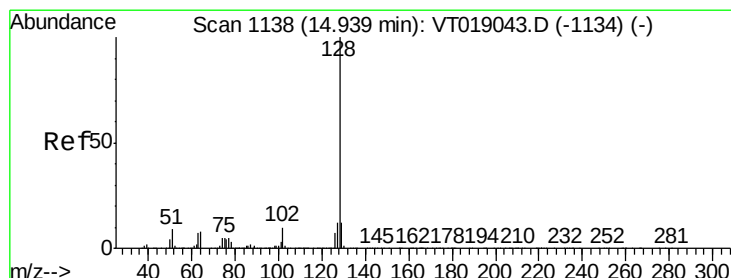
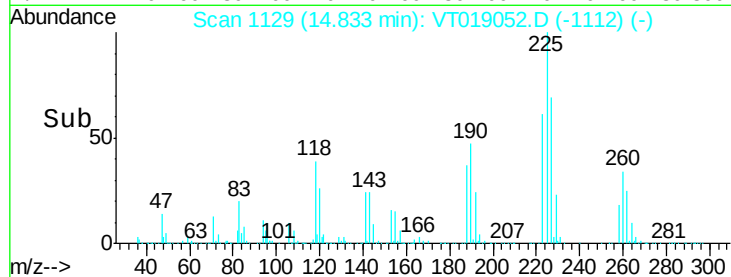
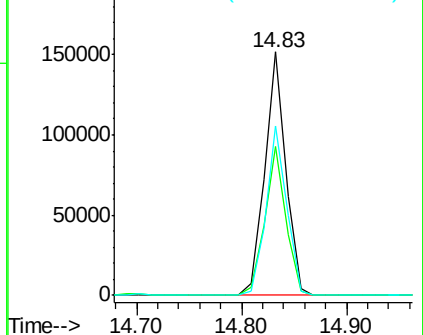
227 69.3 31.7 95.1



Abundance Ion 224.80 (224.50 to 225.50): V

Ion 222.80 (222.50 to 223.50): V

Ion 226.80 (226.50 to 227.50): V



#94

Naphthalene

Concen: 18.74 ug/l

RT: 14.94 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VT019052.D

Acq: 9 May 2018 12:14

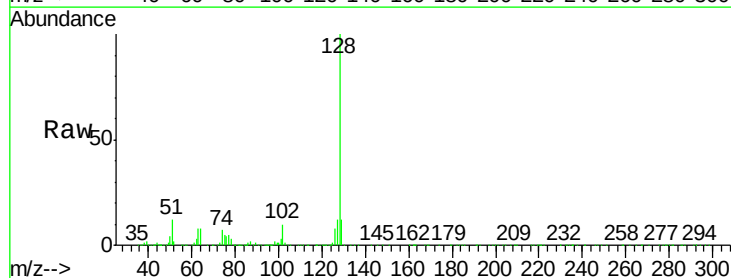
Tgt Ion:128 Resp: 449213

Ion Ratio Lower Upper

128 100

127 12.3 9.9 14.9

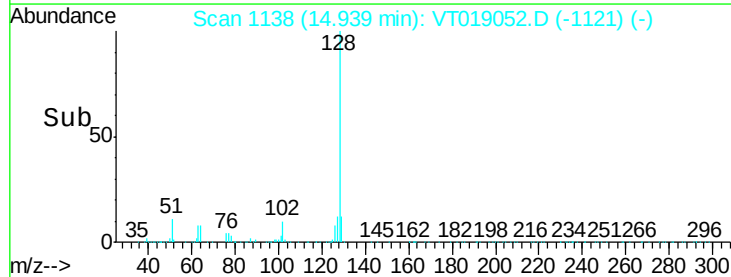
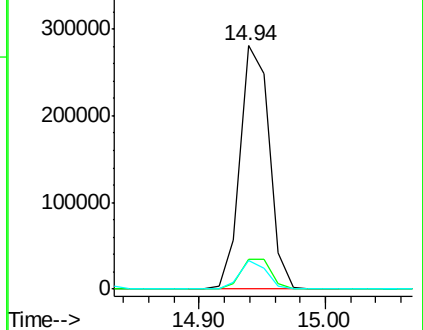
129 11.7 9.3 13.9

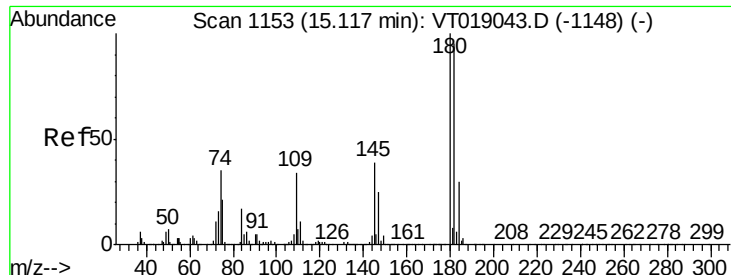


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

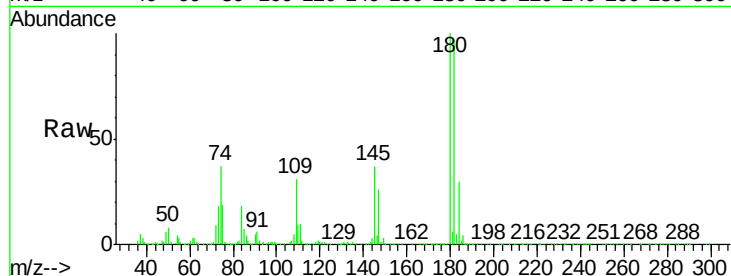




#95
 1,2,3-Trichlorobenzene
 Concen: 19.44 ug/l
 RT: 15.12 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VT019052.D
 Acq: 9 May 2018 12:14

Instrument :
 MSVOA_T
 ClientSampleId :
 VT0509SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.7	143.1
145	36.7	19.4	58.1



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 145.00 (144.70 to 145.70): V

