

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050818\
 Data File : VT019042.D
 Acq On : 8 May 2018 18:17
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA T/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC020

Quant Time: May 09 04:10:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_T\METHODS\2015\82T050818S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 09 03:54:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.44	168	1057966	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	1823934	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	1576451	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	772095	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	210934	24.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.74%	
34) Dibromofluoromethane	7.35	113	210330	21.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.58%	
49) Toluene-d8	9.90	98	919170	21.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.34%	
61) 4-Bromofluorobenzene	12.22	95	348653	23.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.78	85	255842	26.01	ug/l	94
3) Chloromethane	1.96	50	89638	9.86	ug/l	98
4) Vinyl Chloride	2.10	62	138101	14.15	ug/l	89
5) Bromomethane	2.44	94	118114	21.65	ug/l	98
6) Chloroethane	2.57	64	92522	18.22	ug/l #	87
7) Trichlorofluoromethane	2.93	101	428810m	38.23	ug/l	
8) Diethyl Ether	3.20	74	59327	14.63	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.59	101	201964	20.89	ug/l	96
10) Methyl Iodide	3.76	142	286812	19.10	ug/l	90
11) Tert butyl alcohol	4.53	59	49843	107.68	ug/l #	89
12) 1,1-Dichloroethene	3.56	96	179716	17.97	ug/l	86
13) Acrolein	3.39	56	26145	40.93	ug/l #	80
14) Allyl chloride	4.06	41	384328	21.97	ug/l	93
15) Acrylonitrile	4.70	53	206311	98.57	ug/l	99
16) Acetone	3.60	43	106818	51.11	ug/l	99
17) Carbon Disulfide	3.90	76	713845m	25.97	ug/l	
18) Methyl Acetate	4.08	43	113043	12.68	ug/l	93
19) Methyl tert-butyl Ether	4.76	73	452141	23.87	ug/l	97
20) Methylene Chloride	4.32	84	234493	20.14	ug/l	94
21) trans-1,2-Dichloroethene	4.74	96	259419	24.13	ug/l	90
22) Diisopropyl ether	5.67	45	741612	24.00	ug/l	97
23) Vinyl Acetate	5.61	43	1681365	146.42	ug/l	98
24) 1,1-Dichloroethane	5.56	63	484130	26.49	ug/l	99
25) 2-Butanone	6.57	43	251517	88.15	ug/l	99
26) 2,2-Dichloropropane	6.55	77	201231	23.39	ug/l	100
27) cis-1,2-Dichloroethene	6.55	96	254592	24.25	ug/l	96
28) Bromochloromethane	6.94	49	168959	22.62	ug/l	99
29) Chloroform	7.13	83	458266	27.38	ug/l	99
30) Cyclohexane	7.41	56	526078	25.29	ug/l	96
31) 1,1,1-Trichloroethane	7.33	97	362000	28.26	ug/l	96
35) 1,1-Dichloropropene	7.56	75	422176	23.43	ug/l	96
36) Ethyl Acetate	6.67	43	111865	16.79	ug/l	98
37) Carbon Tetrachloride	7.54	117	337765	22.40	ug/l	98
38) Methylcyclohexane	8.88	83	519476	22.56	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	7.82	78	1160445	23.30	ug/l	99
40) Methacrylonitrile	6.92	41	52648m	13.39	ug/l	
41) 1,2-Dichloroethane	7.90	62	237244	19.80	ug/l	99
42) Isopropyl Acetate	7.96	43	188934	17.30	ug/l	98
43) Trichloroethene	8.63	130	254203	20.13	ug/l	97
44) 1,2-Dichloropropane	8.92	63	254783	22.08	ug/l	94
45) Dibromomethane	9.01	93	101879	20.11	ug/l	95
46) Bromodichloromethane	9.21	83	284709	21.60	ug/l	100
47) Methyl methacrylate	9.01	41	98486	15.90	ug/l	98
48) 1,4-Dioxane	9.01	88	22819	334.28	ug/l	97
50) 4-Methyl-2-Pentanone	9.80	43	538763	83.16	ug/l	95
51) Toluene	9.97	92	653914	21.17	ug/l	94
52) t-1,3-Dichloropropene	10.19	75	263978	20.78	ug/l	96
53) cis-1,3-Dichloropropene	9.65	75	335436	20.92	ug/l	98
54) 1,1,2-Trichloroethane	10.38	97	156904	20.74	ug/l	94
55) Ethyl methacrylate	10.25	69	191838	20.79	ug/l	99
56) 1,3-Dichloropropane	10.53	76	277667	21.15	ug/l	98
57) 2-Chloroethyl Vinyl ether	9.51	63	450205	117.13	ug/l	97
58) 2-Hexanone	10.57	43	391242	79.97	ug/l	96
59) Dibromochloromethane	10.73	129	163867	18.78	ug/l	99
60) 1,2-Dibromoethane	10.82	107	133647	19.16	ug/l	100
63) Tetrachloroethene	10.45	164	205370	17.86	ug/l	95
64) Chlorobenzene	11.25	112	674888	19.88	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.33	131	207568	19.44	ug/l	99
66) Ethyl Benzene	11.33	91	1375212	23.21	ug/l	98
67) m/p-Xylenes	11.45	106	977379	41.30	ug/l	91
68) o-Xylene	11.77	106	448261	20.79	ug/l	97
69) Stvrene	11.79	104	714926	19.91	ug/l	98
70) Bromoform	11.95	173	77143	14.21	ug/l	98
72) Isopropylbenzene	12.08	105	1371599	24.06	ug/l	96
73) N-amyl acetate	11.90	43	200906	18.43	ug/l	94
74) 1,1,2,2-Tetrachloroethane	12.32	83	180642	20.78	ug/l	96
75) 1,2,3-Trichloropropane	12.37	75	138114m	22.64	ug/l	
76) Bromobenzene	12.35	156	243379	19.22	ug/l	94
77) n-propylbenzene	12.42	91	1741568	25.32	ug/l	98
78) 2-Chlorotoluene	12.49	91	962594	24.92	ug/l	98
79) 1,3,5-Trimethylbenzene	12.56	105	1158344	23.62	ug/l	100
80) trans-1,4-Dichloro-2-buten	12.12	75	46756	17.57	ug/l	99
81) 4-Chlorotoluene	12.60	91	1165943	25.14	ug/l	96
82) tert-Butylbenzene	12.82	119	986083m	22.65	ug/l	
83) 1,2,4-Trimethylbenzene	12.86	105	1201459	24.27	ug/l	99
84) sec-Butylbenzene	13.00	105	1488897	24.14	ug/l	98
85) p-Isopropyltoluene	13.12	119	1232486	22.73	ug/l	96
86) 1,3-Dichlorobenzene	13.10	146	527688	20.05	ug/l	98
87) 1,4-Dichlorobenzene	13.19	146	522747	19.97	ug/l	98
88) n-Butylbenzene	13.44	91	1323185	26.31	ug/l	97
89) Hexachloroethane	13.70	117	181452	20.50	ug/l	100
90) 1,2-Dichlorobenzene	13.47	146	439246	19.38	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	14.09	75	27187	20.63	ug/l	88
92) 1,2,4-Trichlorobenzene	14.73	180	295641	19.50	ug/l	91

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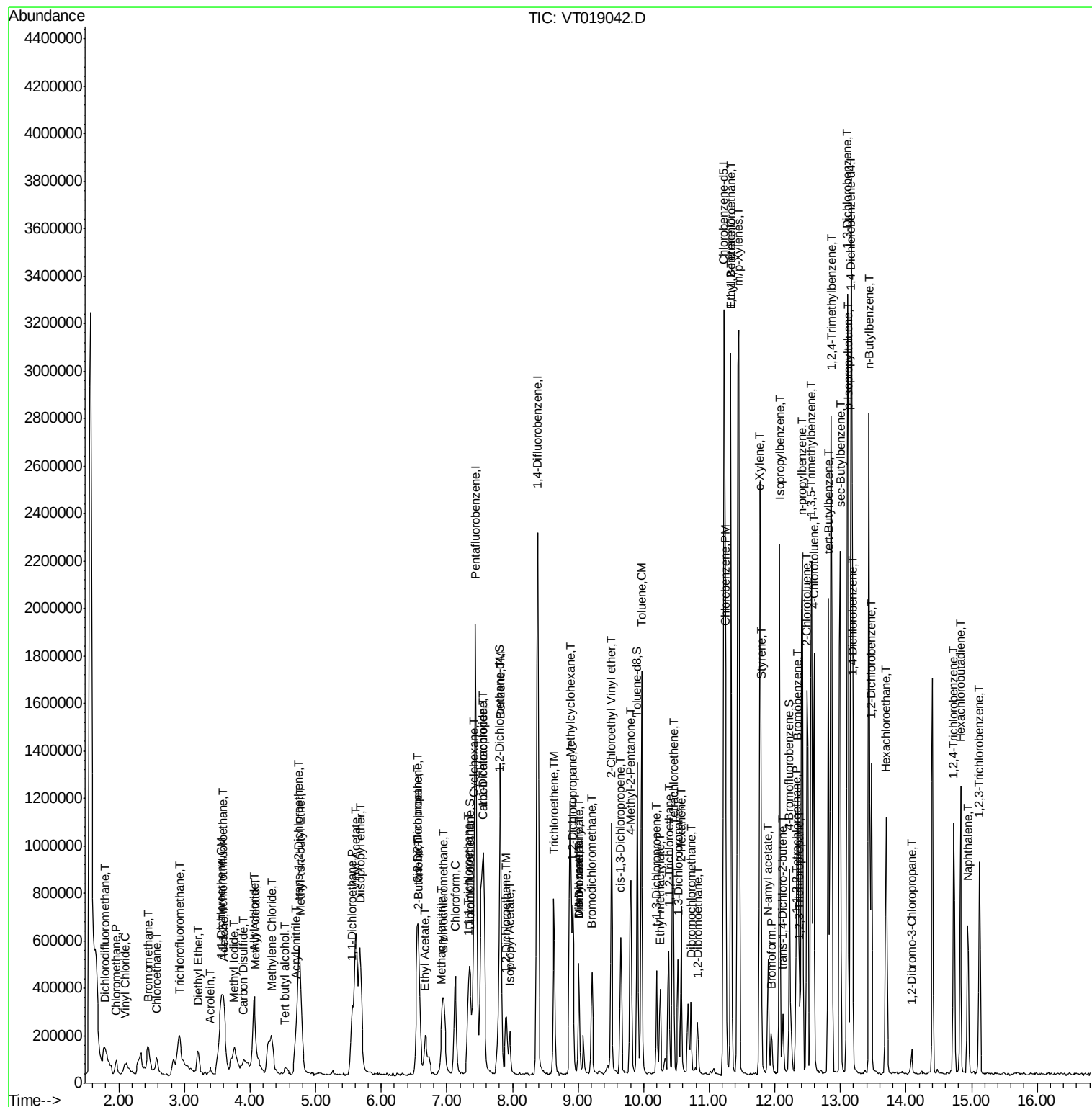
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	14.83	225	208487	20.91	ug/l	96
94) Naphthalene	14.94	128	472878	18.96	ug/l	96
95) 1,2,3-Trichlorobenzene	15.12	180	234323	18.06	ug/l	96

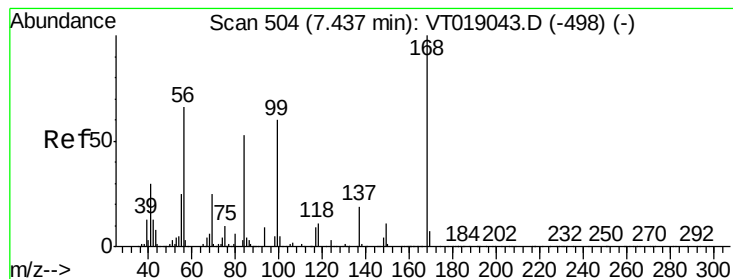
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 504

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

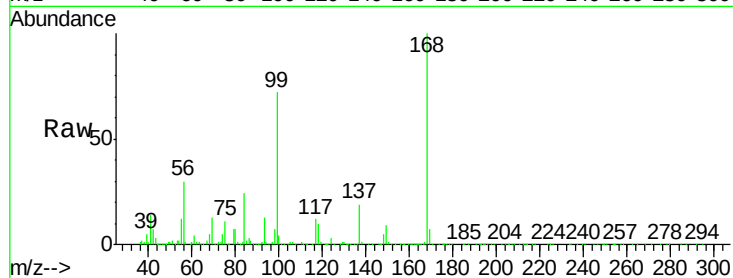
VSTDIC020

Tot Ion:168 Resp: 1057966

Ion Ratio Lower Upper

168 100

99 72.1 59.0 88.4



Abundance Ion 168.00 (167.70 to 168.70): VT0

Ion 99.00 (98.70 to 99.70): VT0

7.44

400000

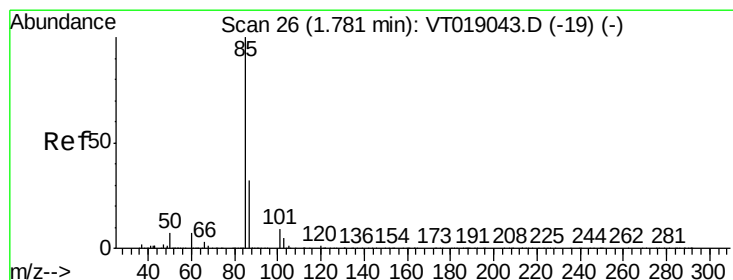
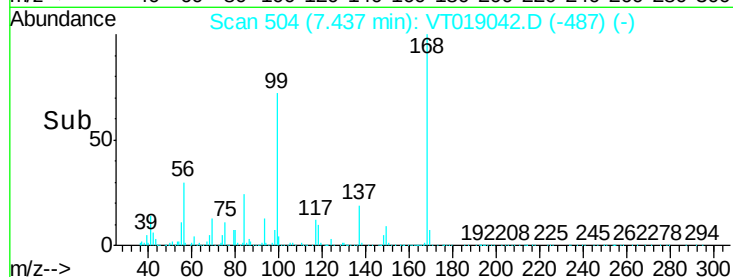
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 26.01 ug/l

RT: 1.78 min Scan# 26

Delta R.T. -0.00 min

Lab File: VT019042.D

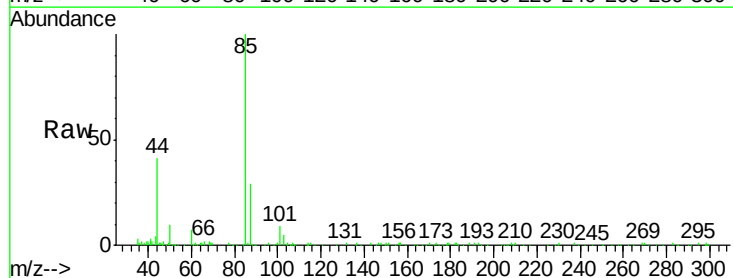
Acq: 8 May 2018 18:17

Tgt Ion: 85 Resp: 255842

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

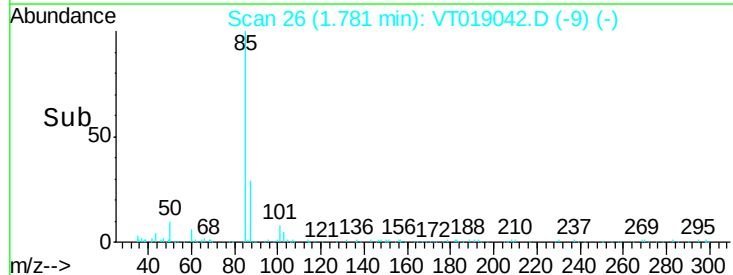
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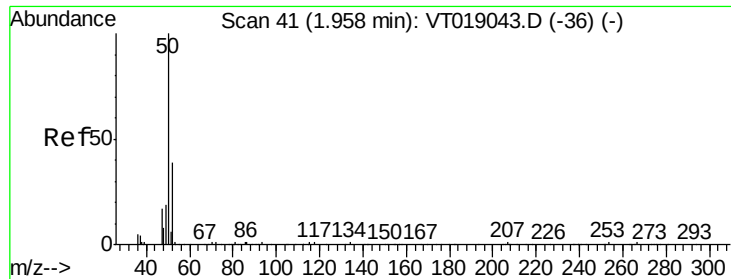
20000

10000

0

Time-->





#3

Chloromethane

Concen: 9.86 ug/l

RT: 1.96 min Scan# 41

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

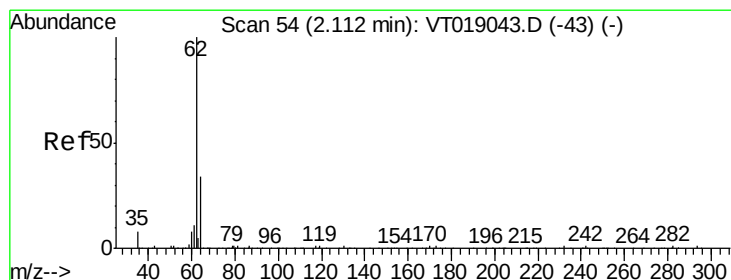
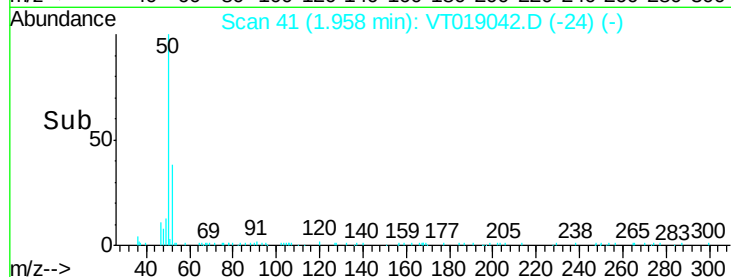
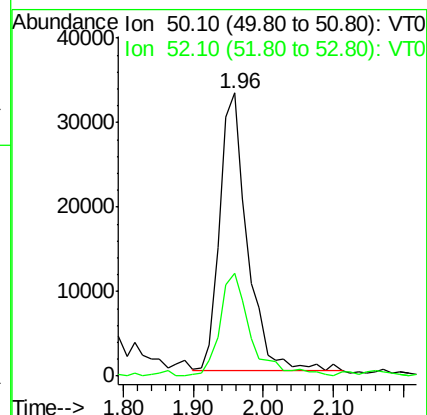
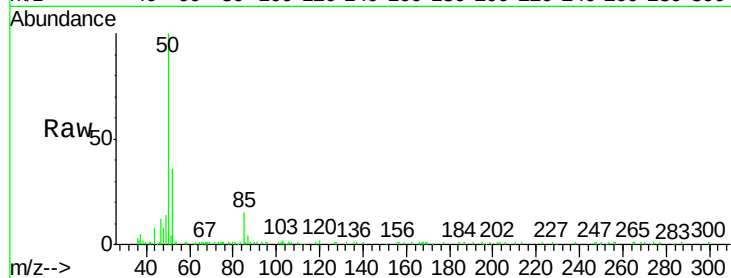
VSTDIC020

Tot Ion: 50 Resp: 89638

Ion Ratio Lower Upper

50 100

52 36.2 30.1 45.1



#4

Vinyl Chloride

Concen: 14.15 ug/l

RT: 2.10 min Scan# 53

Delta R.T. -0.01 min

Lab File: VT019042.D

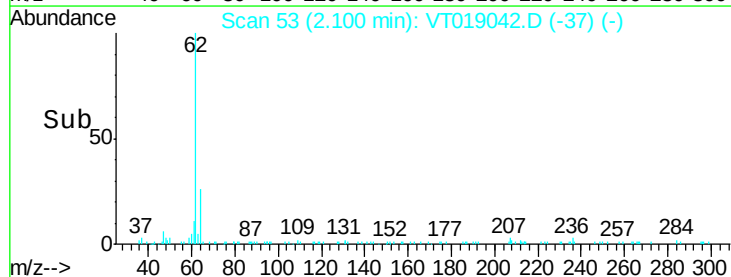
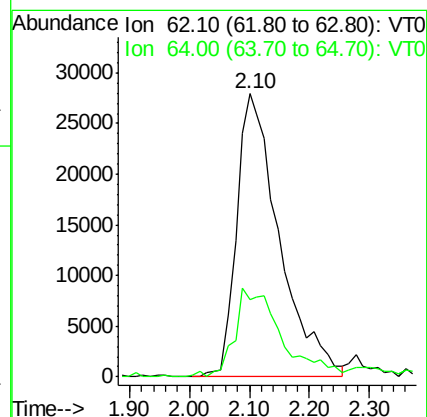
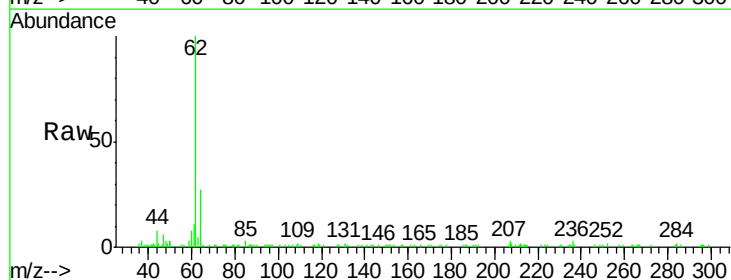
Acq: 8 May 2018 18:17

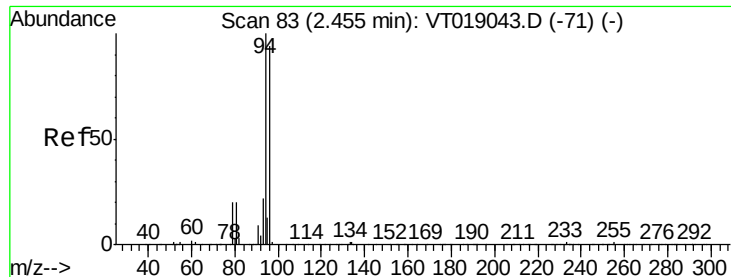
Tgt Ion: 62 Resp: 138101

Ion Ratio Lower Upper

62 100

64 27.3 27.0 40.4





#5

Bromomethane

Concen: 21.65 ug/l

RT: 2.44 min Scan# 82

Delta R.T. -0.01 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

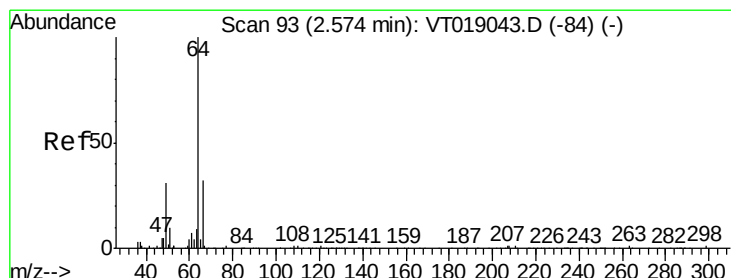
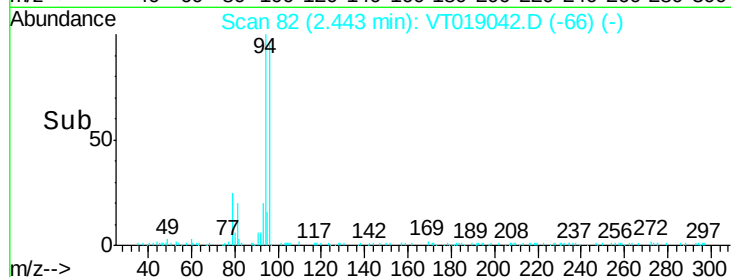
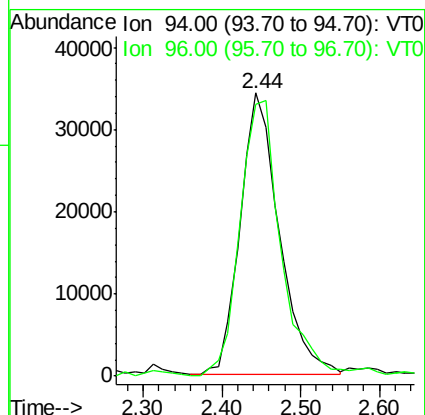
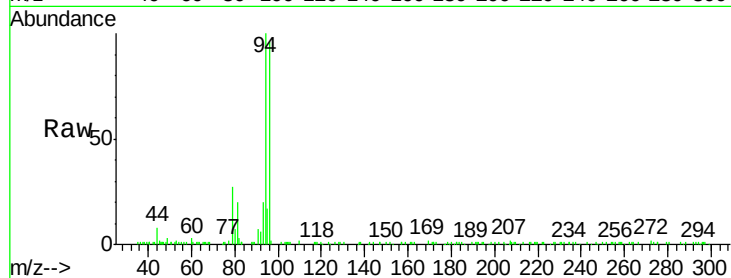
VSTDIC020

Tot Ion: 94 Resp: 118114

Ion Ratio Lower Upper

94 100

96 95.9 75.3 112.9



#6

Chloroethane

Concen: 18.22 ug/l

RT: 2.57 min Scan# 93

Delta R.T. -0.00 min

Lab File: VT019042.D

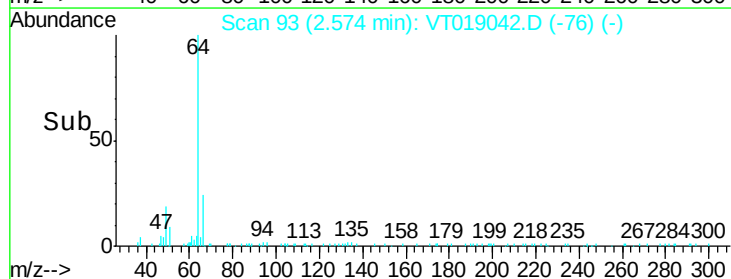
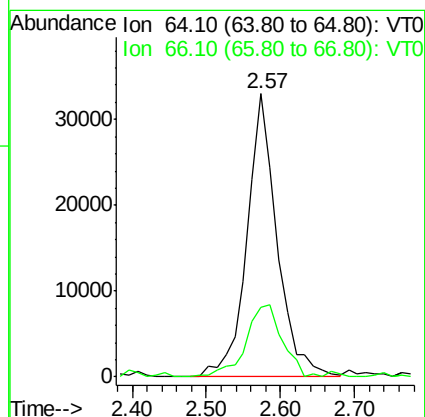
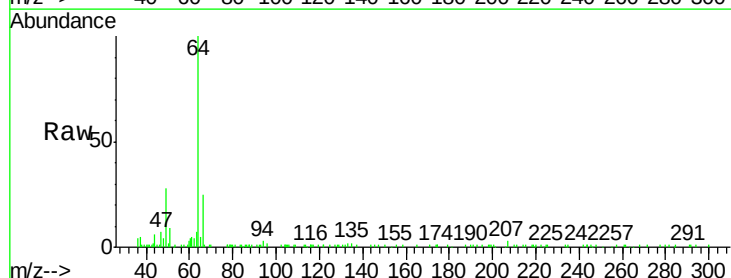
Acq: 8 May 2018 18:17

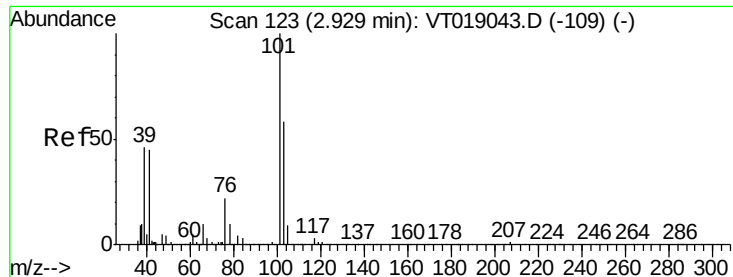
Tgt Ion: 64 Resp: 92522

Ion Ratio Lower Upper

64 100

66 24.8 25.8 38.8#



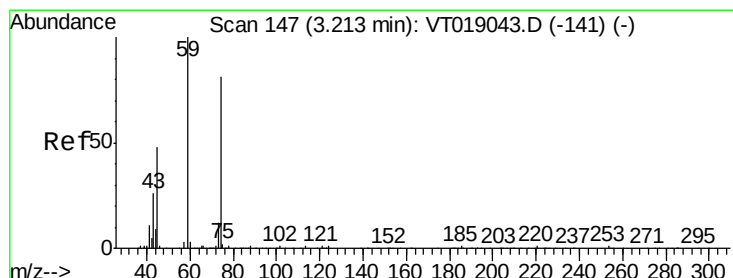
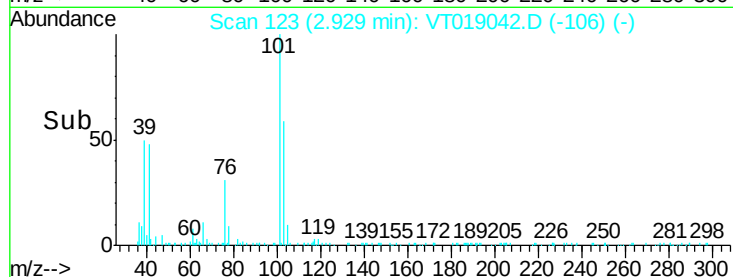
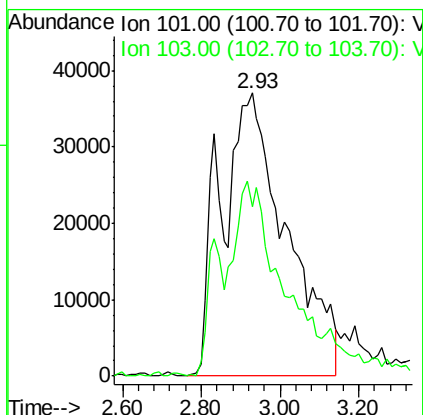
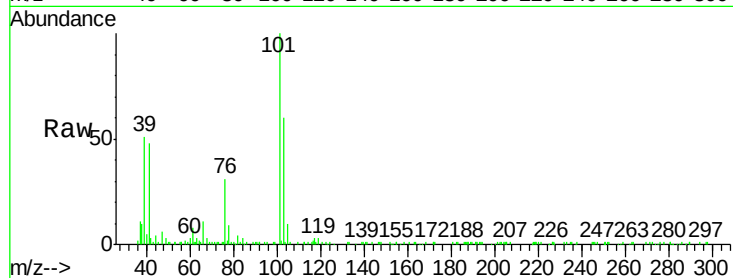


#7

Trichlorofluoromethane
 Concen: 38.23 ug/l m
 RT: 2.93 min Scan# 123
 Delta R.T. -0.00 min
 Lab File: VT019042.D
 Acq: 8 May 2018 18:17

Instrument :
 MSVOA_T
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 VSTDIC020

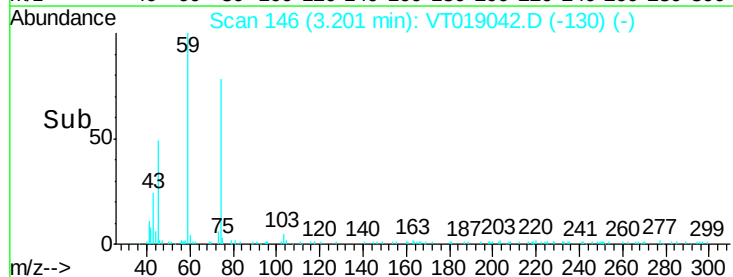
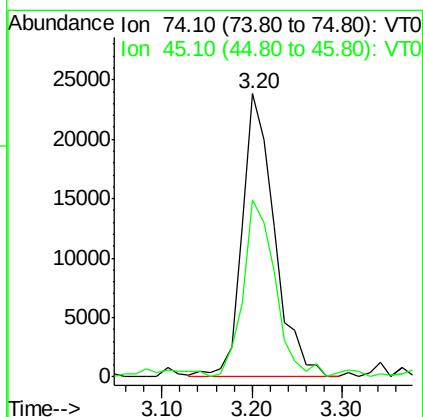
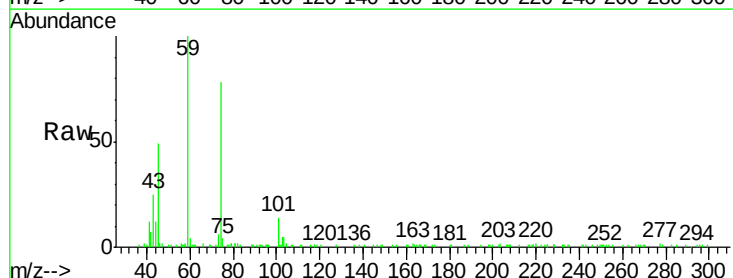
Tot Ion:101 Resp: 428810
 Ion Ratio Lower Upper
 101 100
 103 60.0 46.5 69.7

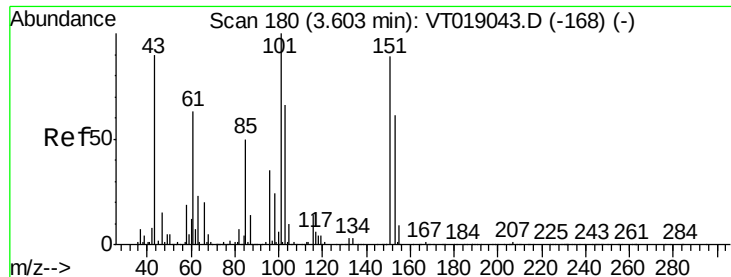


#8

Diethyl Ether
 Concen: 14.63 ug/l
 RT: 3.20 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VT019042.D
 Acq: 8 May 2018 18:17

Tgt Ion: 74 Resp: 59327
 Ion Ratio Lower Upper
 74 100
 45 62.6 29.8 89.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.89 ug/l

RT: 3.59 min Scan# 179

Delta R.T. -0.01 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

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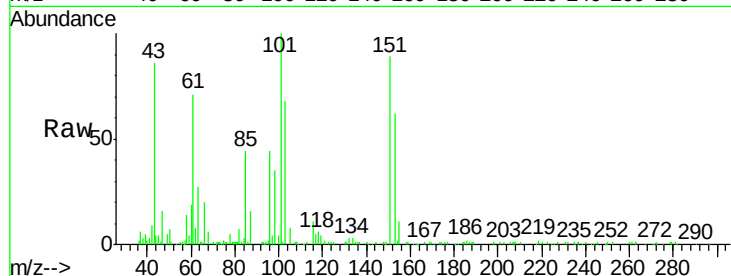
Tot Ion:101 Resp: 201964

Ion Ratio Lower Upper

101 100

85 44.4 39.5 59.3

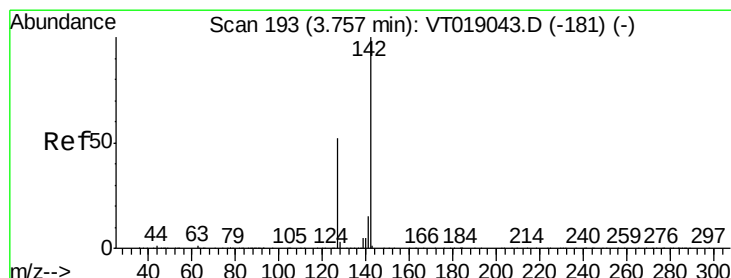
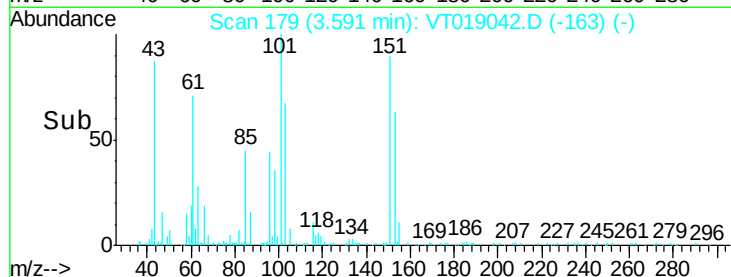
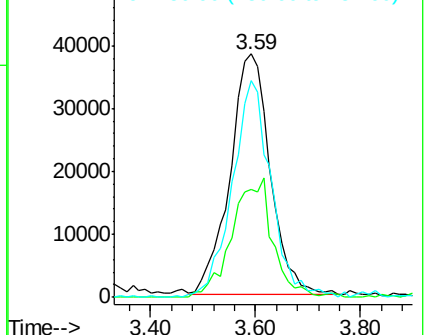
151 88.9 69.9 104.9



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: 19.10 ug/l

RT: 3.76 min Scan# 193

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

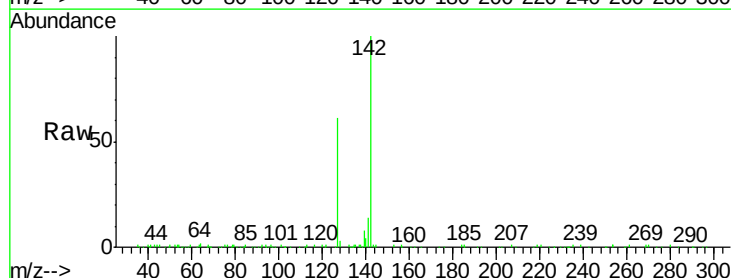
Tgt Ion:142 Resp: 286812

Ion Ratio Lower Upper

142 100

127 60.8 41.8 62.8

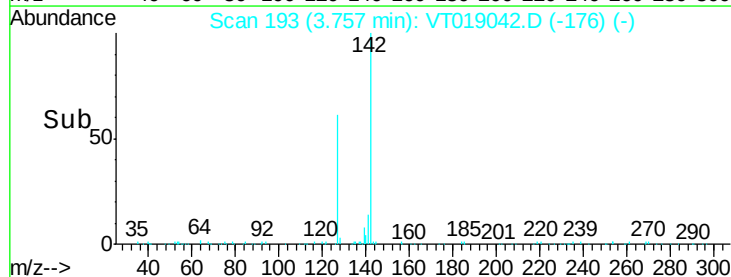
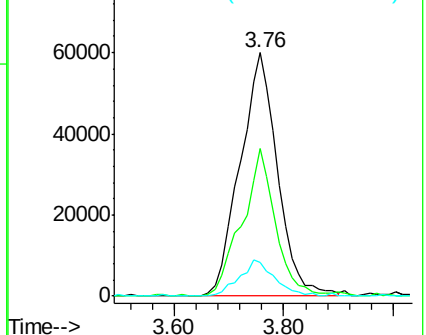
141 13.8 12.0 18.0

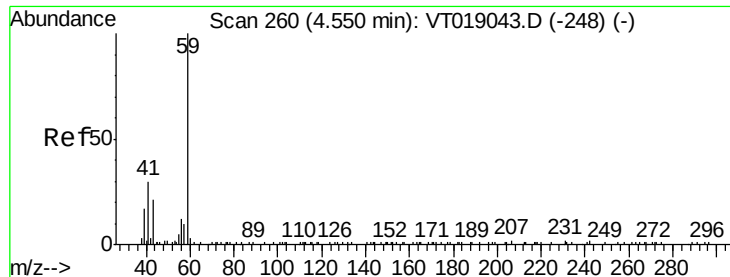


Abundance Ion 141.90 (141.60 to 142.60): V

Ion 126.90 (126.60 to 127.60): V

Ion 140.90 (140.60 to 141.60): V



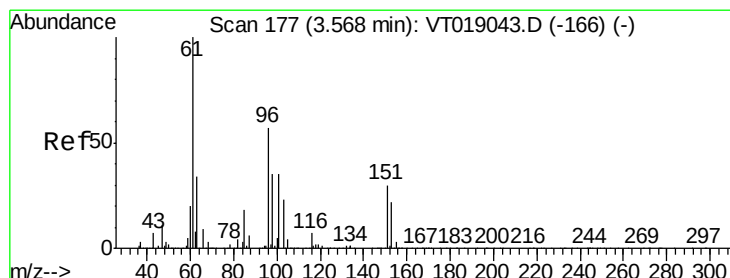
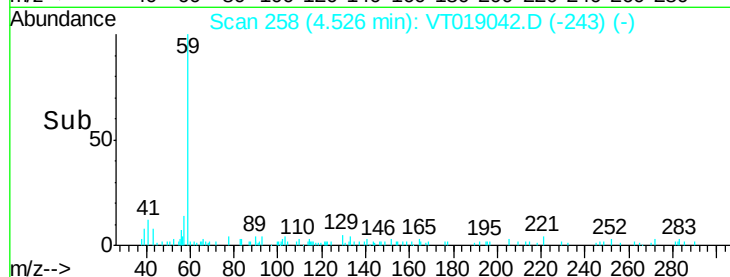
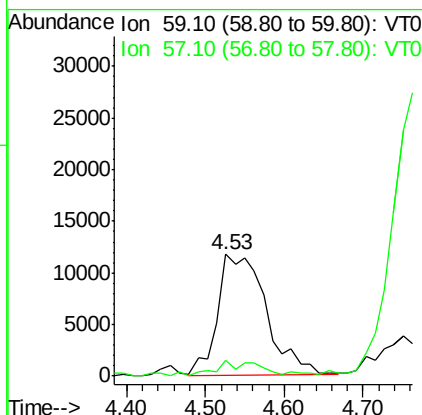
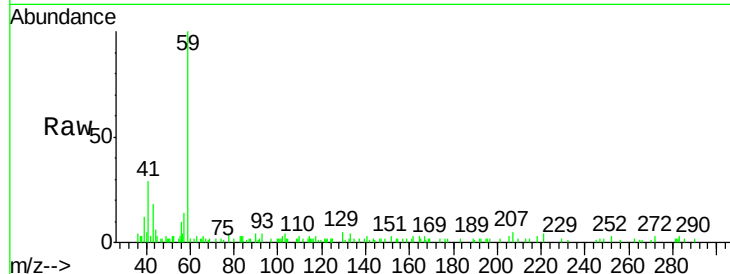


#11

Tert butyl alcohol
Concen: 107.68 ug/l
RT: 4.53 min Scan# 258
Delta R.T. -0.02 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC020

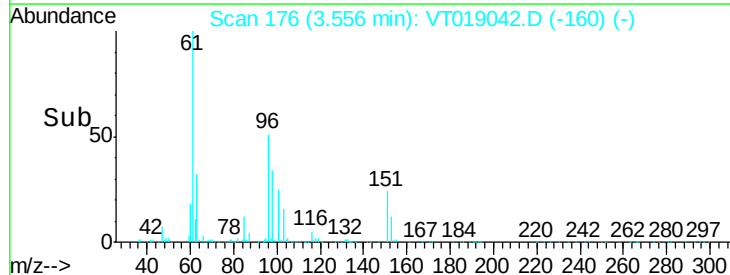
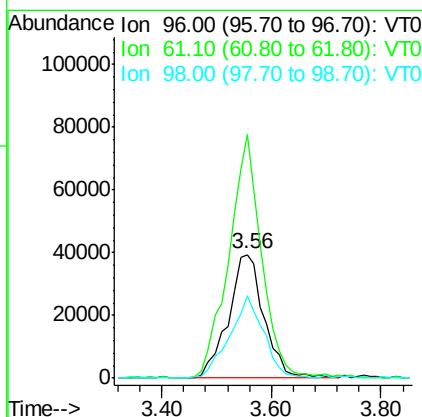
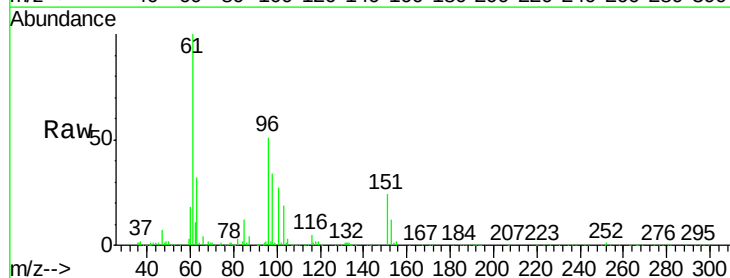
Tot Ion: 59 Resp: 49843
Ion Ratio Lower Upper
59 100
57 13.5 7.7 11.5#

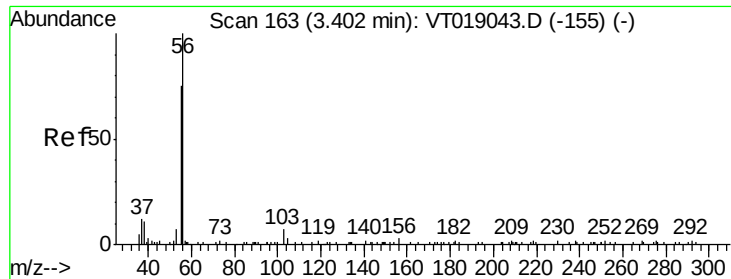


#12

1,1-Dichloroethene
Concen: 17.97 ug/l
RT: 3.56 min Scan# 176
Delta R.T. -0.01 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

Tgt Ion: 96 Resp: 179716
Ion Ratio Lower Upper
96 100
61 197.0 139.4 209.2
98 66.2 49.4 74.2





#13

Acrolein

Concen: 40.93 ug/l

RT: 3.39 min Scan# 162

Delta R.T. -0.01 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

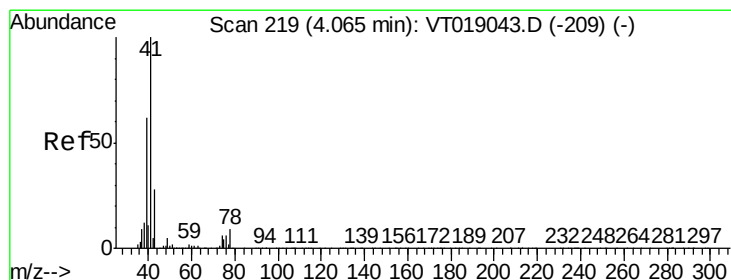
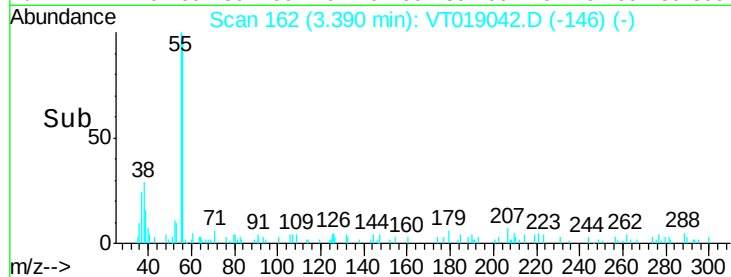
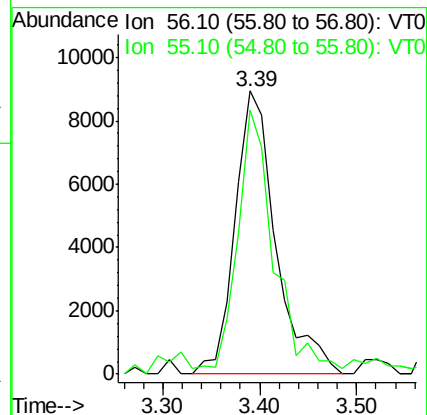
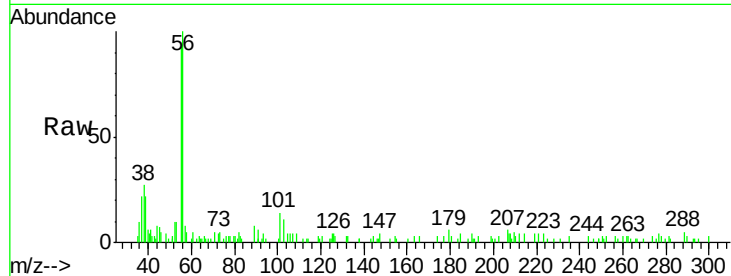
VSTDIC020

Tot Ion: 56 Resp: 26145

Ion Ratio Lower Upper

56 100

55 93.4 60.8 91.2#



#14

Allyl chloride

Concen: 21.97 ug/l

RT: 4.06 min Scan# 219

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

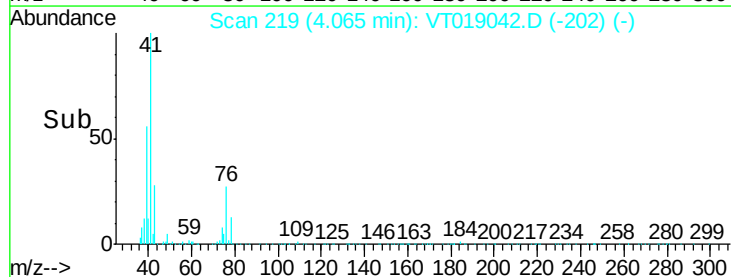
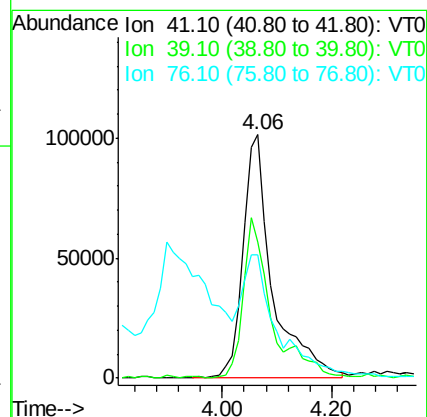
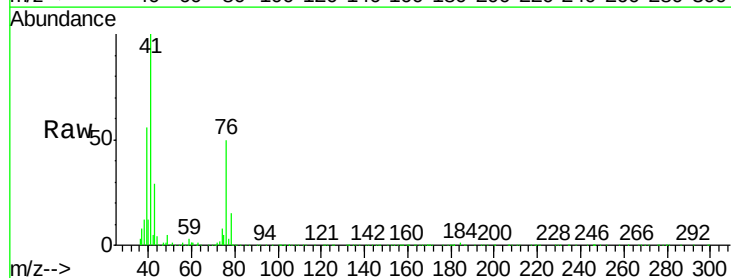
Tgt Ion: 41 Resp: 384328

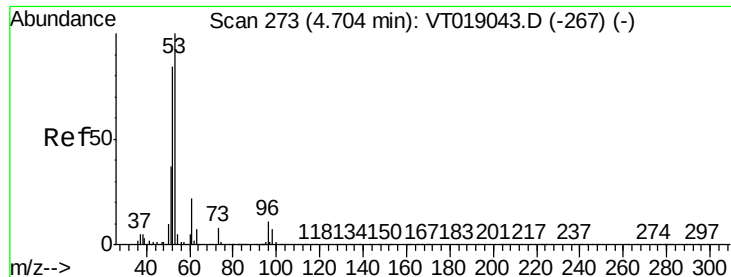
Ion Ratio Lower Upper

41 100

39 55.8 49.5 74.3

76 50.4 44.0 66.0





#15

Acrylonitrile

Concen: 98.57 ug/l

RT: 4.70 min Scan# 273

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

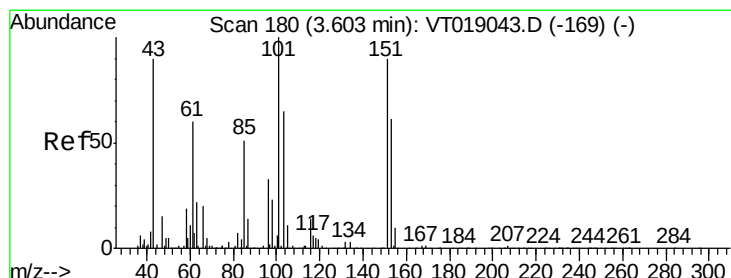
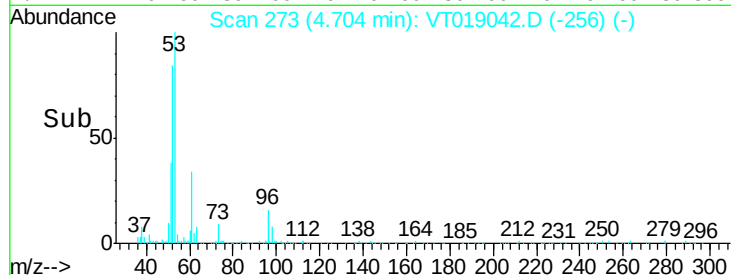
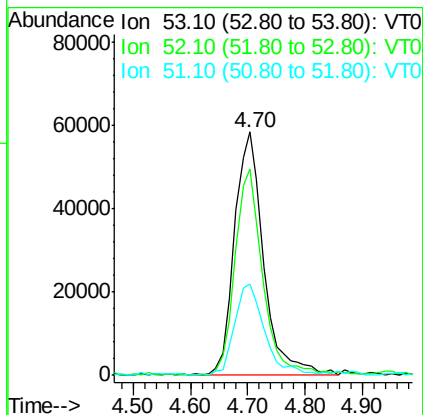
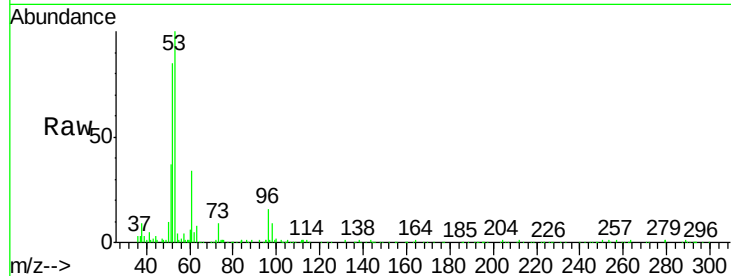
Tot Ion: 53 Resp: 206311

Ion Ratio Lower Upper

53 100

52 84.6 67.4 101.0

51 37.4 29.6 44.4



#16

Acetone

Concen: 51.11 ug/l

RT: 3.60 min Scan# 180

Delta R.T. -0.00 min

Lab File: VT019042.D

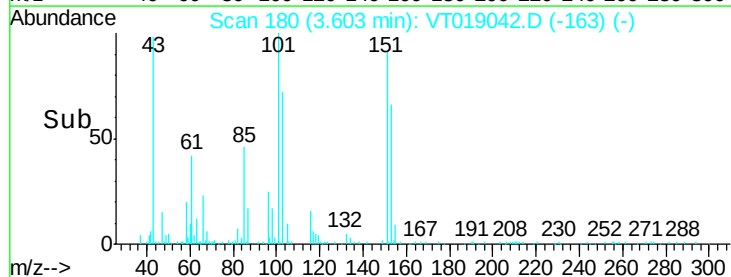
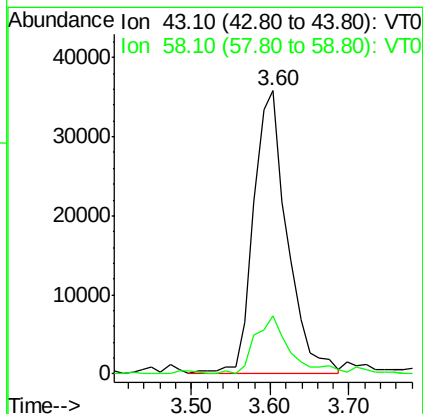
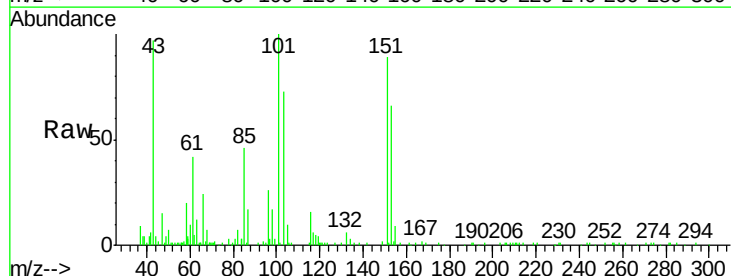
Acq: 8 May 2018 18:17

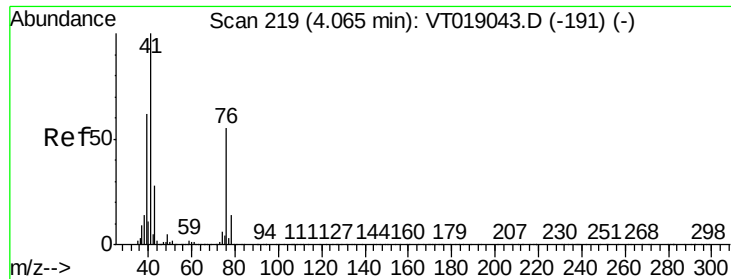
Tgt Ion: 43 Resp: 106818

Ion Ratio Lower Upper

43 100

58 20.4 16.7 25.1





#17

Carbon Disulfide

Concen: 25.97 ug/l m

RT: 3.90 min Scan# 205

Delta R.T. -0.17 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

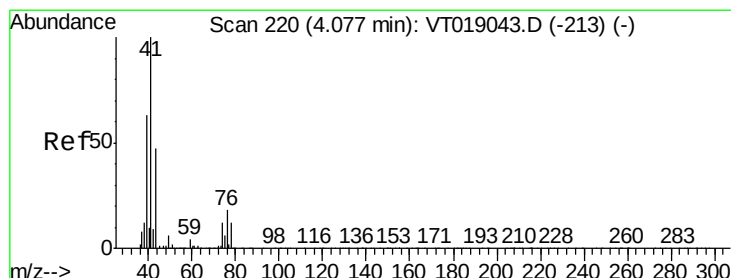
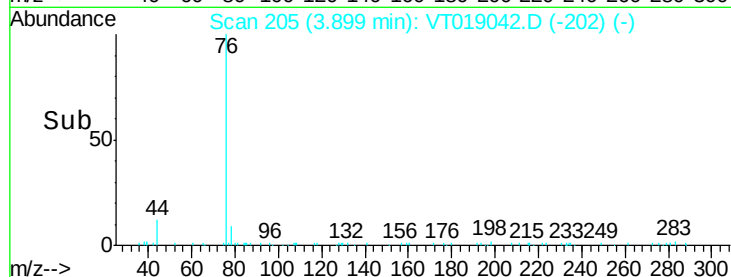
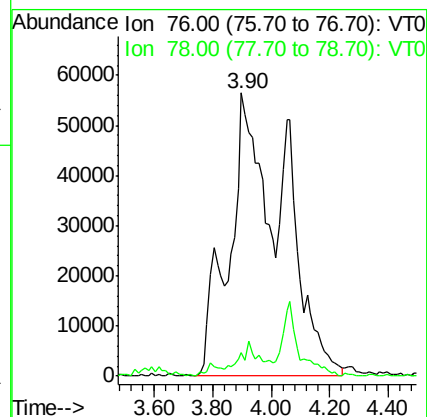
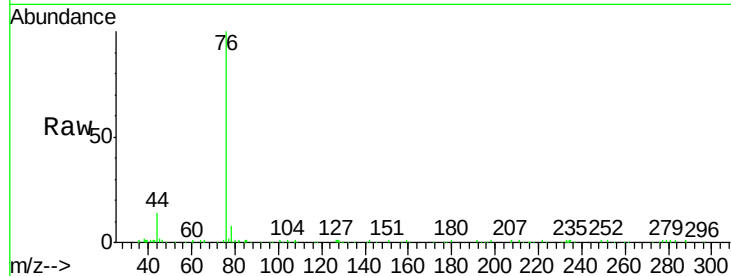
VSTDIC020

Tot Ion: 76 Resp: 713845

Ion Ratio Lower Upper

76 100

78 8.5 19.8 29.8#



#18

Methyl Acetate

Concen: 12.68 ug/l

RT: 4.08 min Scan# 220

Delta R.T. -0.00 min

Lab File: VT019042.D

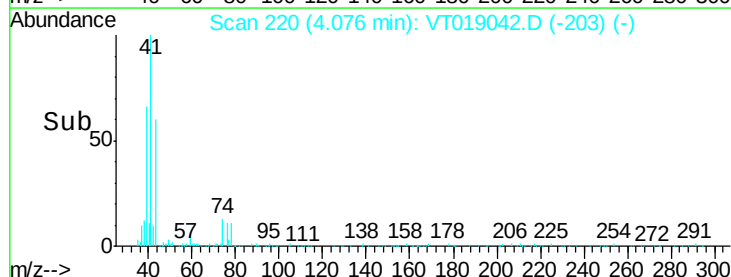
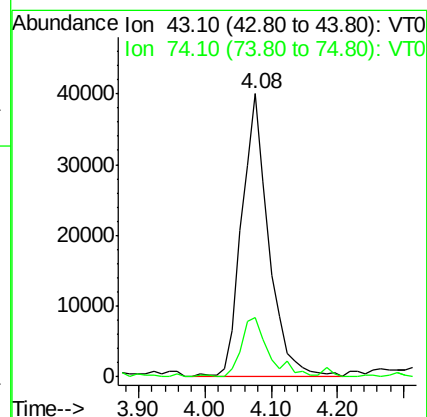
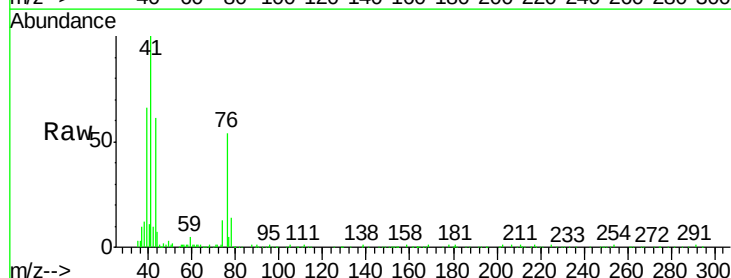
Acq: 8 May 2018 18:17

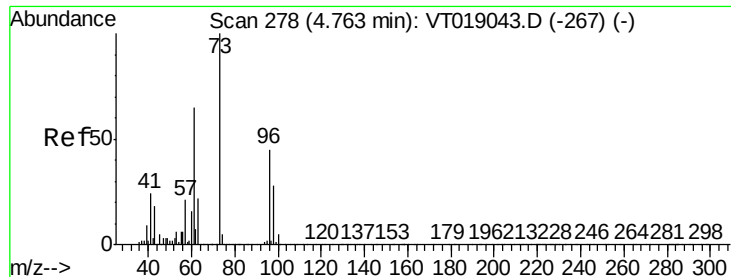
Tgt Ion: 43 Resp: 113043

Ion Ratio Lower Upper

43 100

74 21.1 19.8 29.8



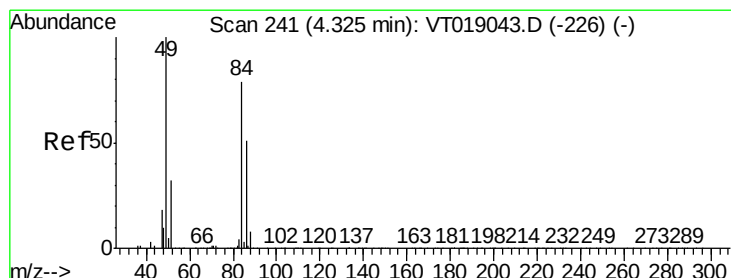
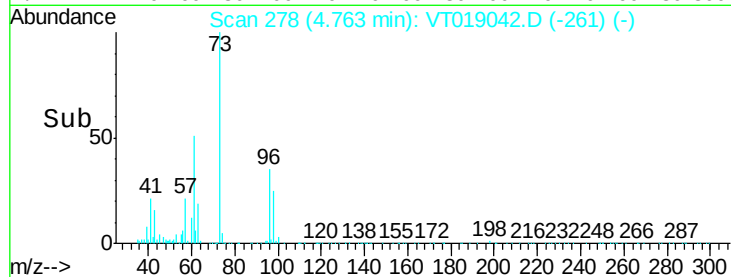
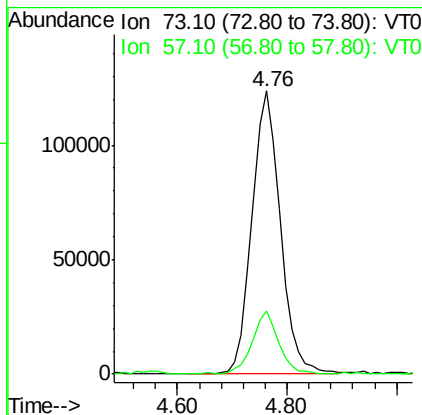
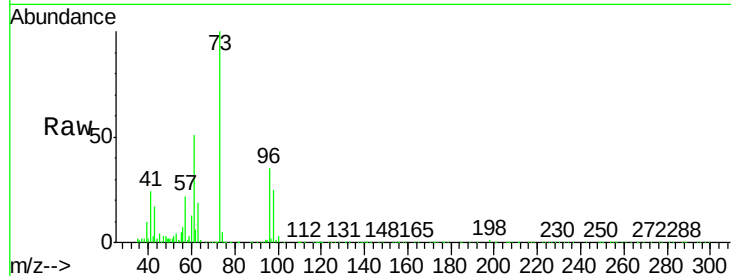


#19

Methyl tert-butyl Ether
Concen: 23.87 ug/l
RT: 4.76 min Scan# 278
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC020

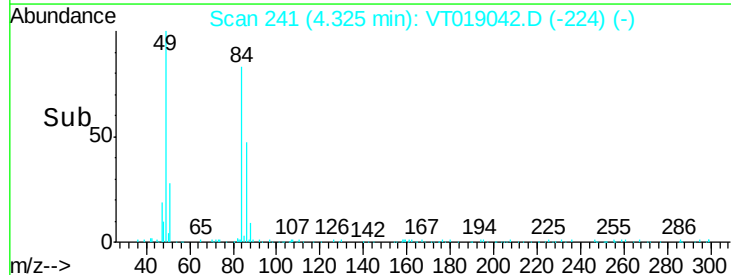
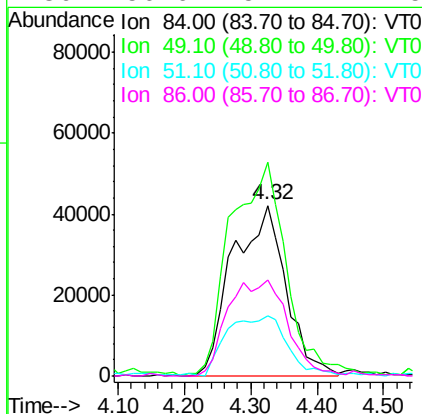
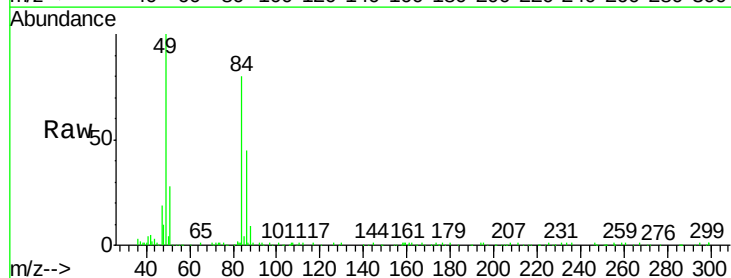
Tot Ion: 73 Resp: 452141
Ion Ratio Lower Upper
73 100
57 22.2 16.6 25.0

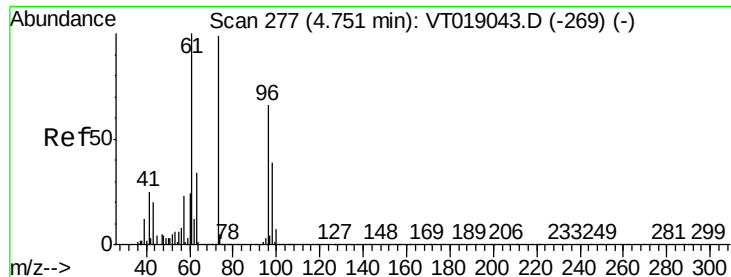


#20

Methylene Chloride
Concen: 20.14 ug/l
RT: 4.32 min Scan# 241
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

Tgt Ion: 84 Resp: 234493
Ion Ratio Lower Upper
84 100
49 125.4 103.0 154.4
51 35.1 33.3 49.9
86 56.6 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 24.13 ug/l

RT: 4.74 min Scan# 276

Delta R.T. -0.01 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

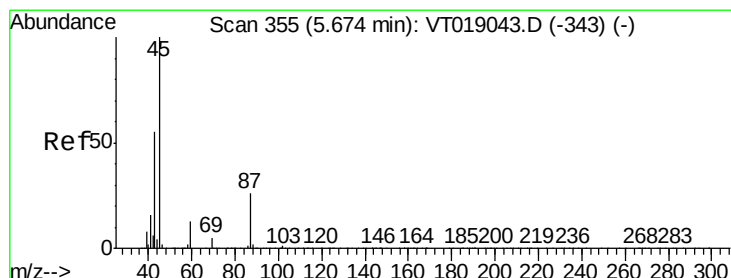
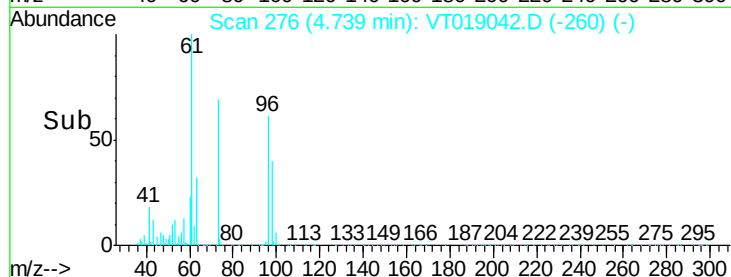
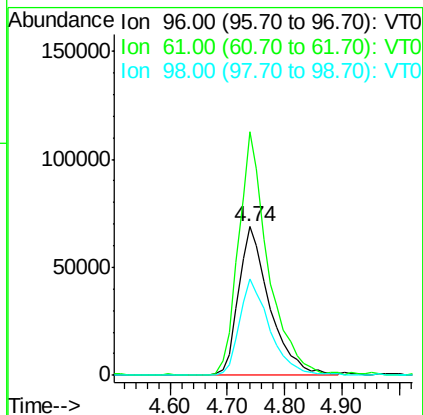
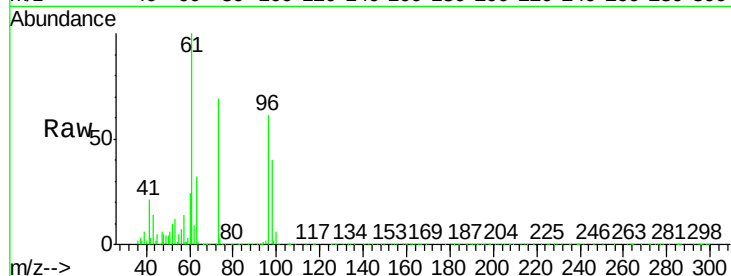
Tot Ion: 96 Resp: 259419

Ion Ratio Lower Upper

96 100

61 164.1 120.8 181.2

98 65.1 47.4 71.2



#22

Diisopropyl ether

Concen: 24.00 ug/l

RT: 5.67 min Scan# 355

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Tgt Ion: 45 Resp: 741612

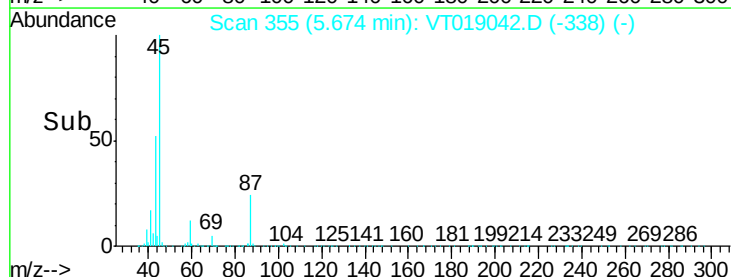
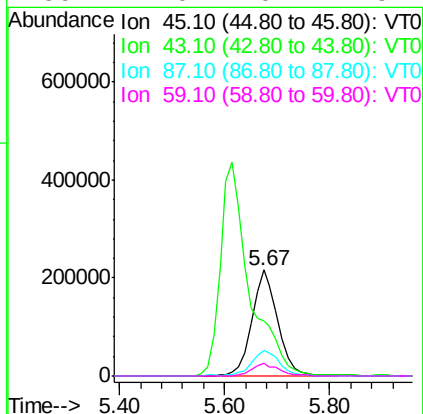
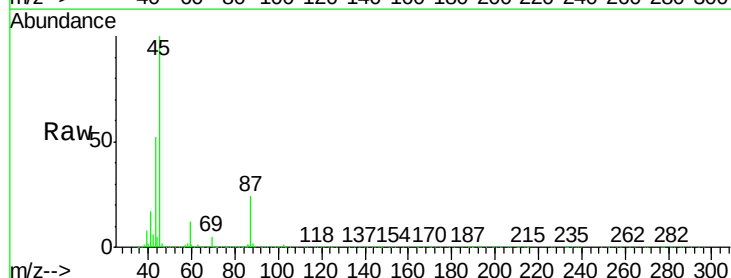
Ion Ratio Lower Upper

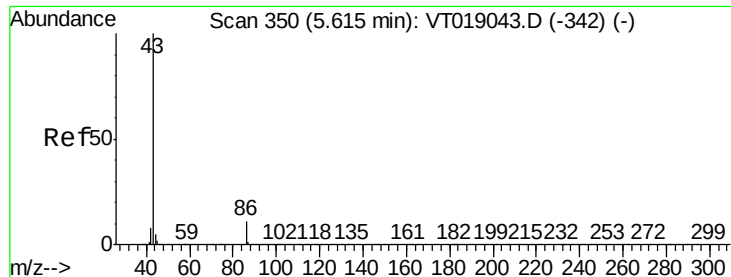
45 100

43 52.0 43.8 65.6

87 24.2 20.8 31.2

59 12.0 10.2 15.4





#23

Vinyl Acetate

Concen: 146.42 ug/l

RT: 5.61 min Scan# 350

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

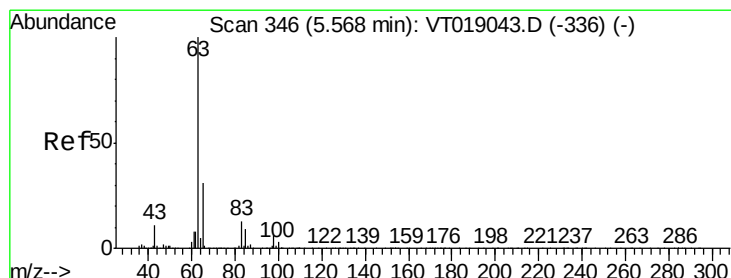
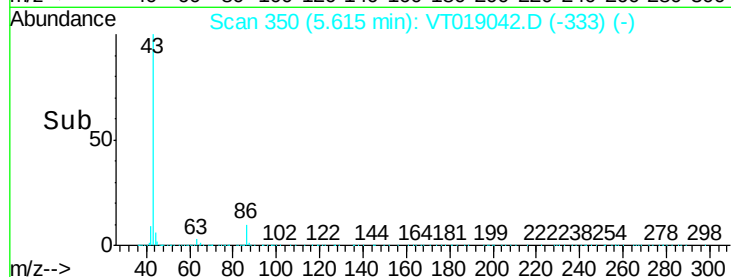
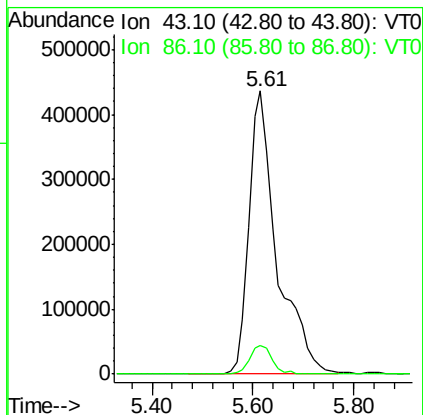
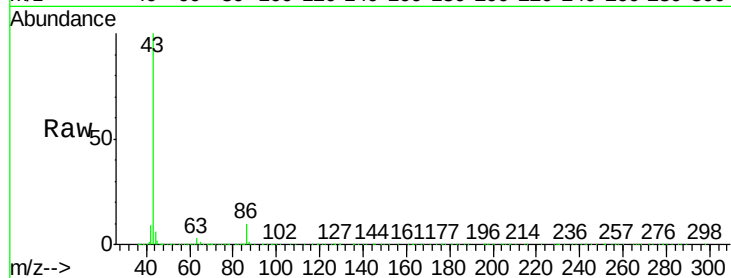
VSTDIC020

Tot Ion: 43 Resp: 1681365

Ion Ratio Lower Upper

43 100

86 10.1 8.6 13.0



#24

1,1-Dichloroethane

Concen: 26.49 ug/l

RT: 5.56 min Scan# 345

Delta R.T. -0.01 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

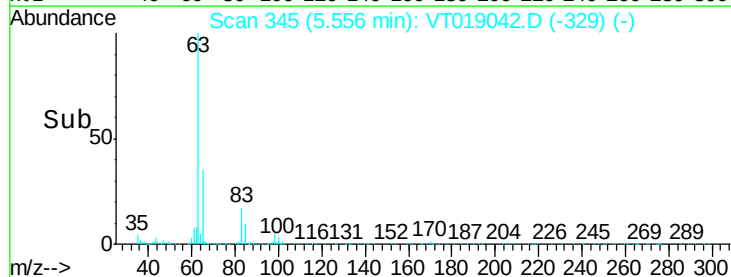
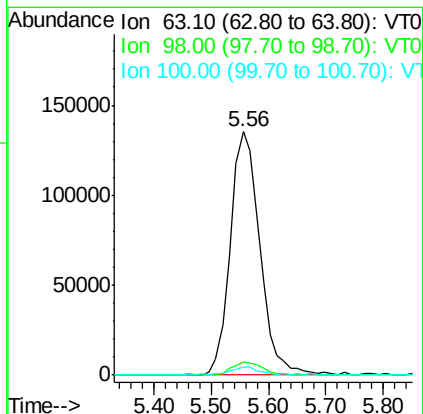
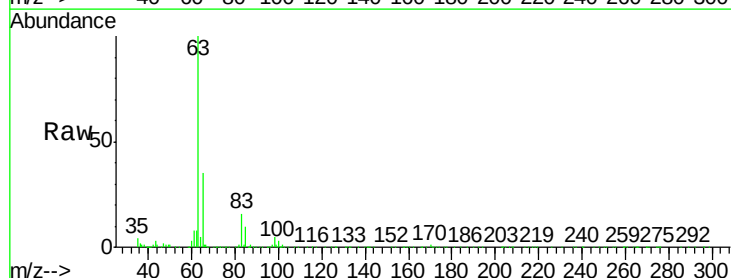
Tgt Ion: 63 Resp: 484130

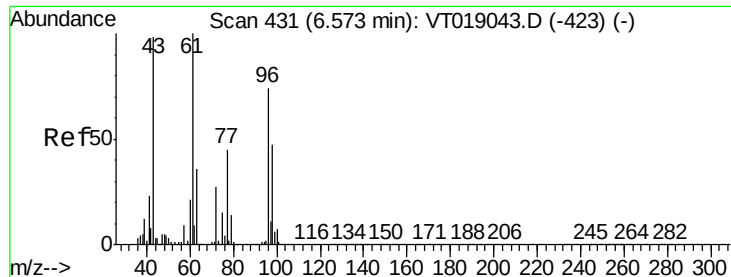
Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.4

100 3.3 1.7 5.1

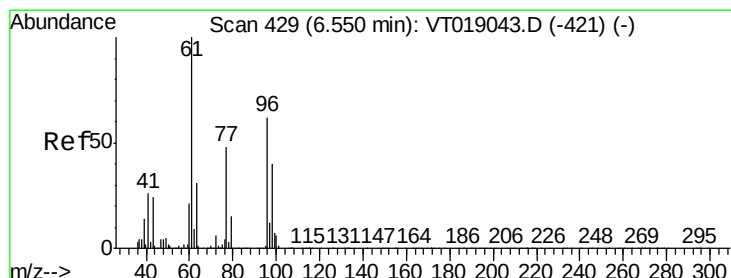
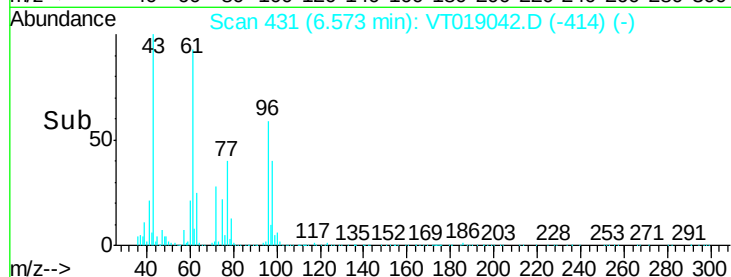
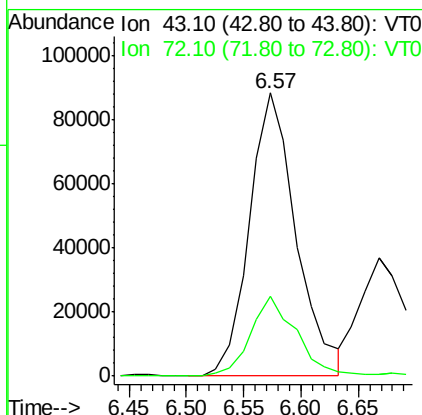
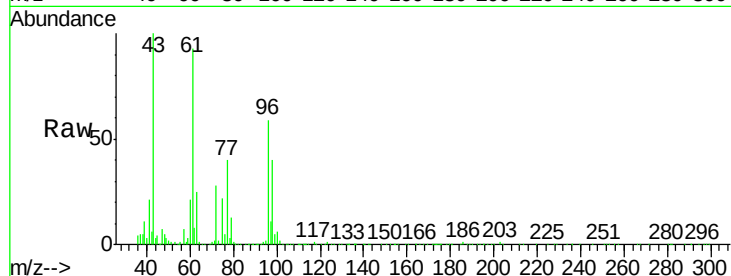




#25
2-Butanone
Concen: 88.15 ug/l
RT: 6.57 min Scan# 431
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

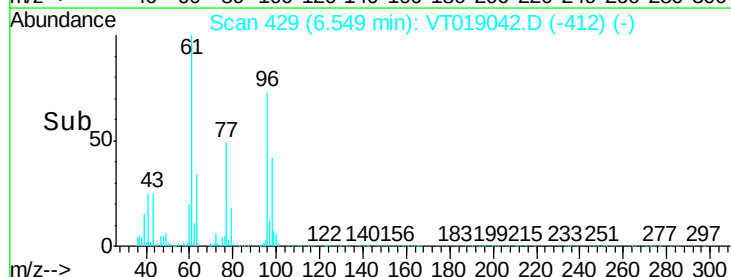
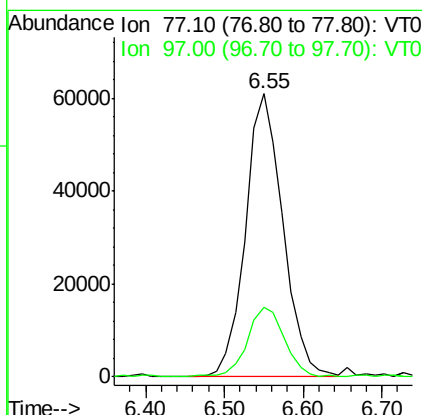
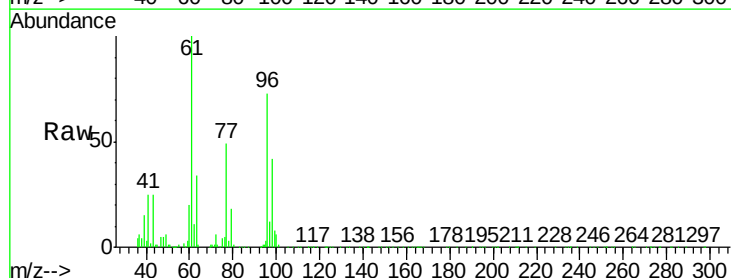
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC020

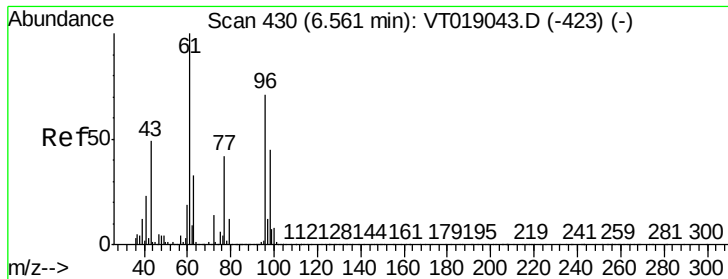
Tot Ion: 43 Resp: 251517
Ion Ratio Lower Upper
43 100
72 28.1 22.1 33.1



#26
2,2-Dichloropropane
Concen: 23.39 ug/l
RT: 6.55 min Scan# 429
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

Tgt Ion: 77 Resp: 201231
Ion Ratio Lower Upper
77 100
97 24.4 12.2 36.4



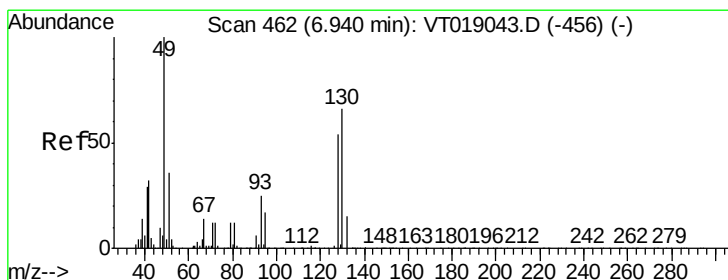
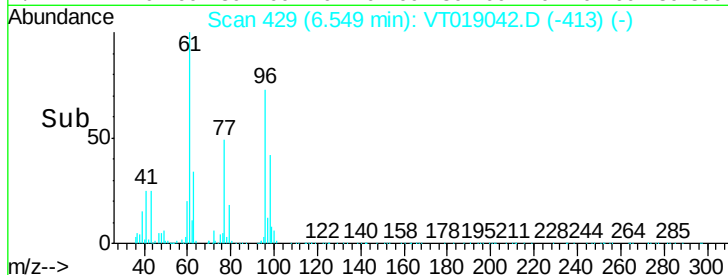
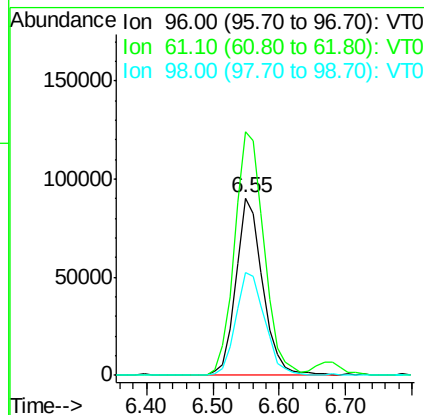
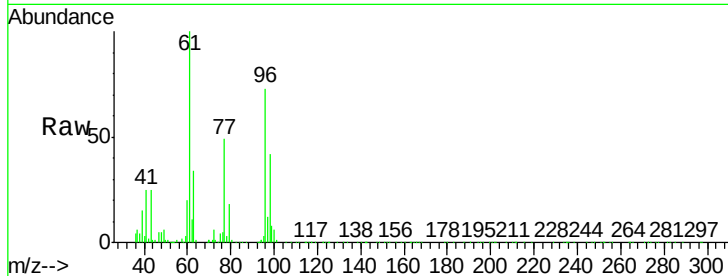


#27

cis-1,2-Dichloroethene
Concen: 24.25 ug/l
RT: 6.55 min Scan# 429
Delta R.T. -0.01 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC020

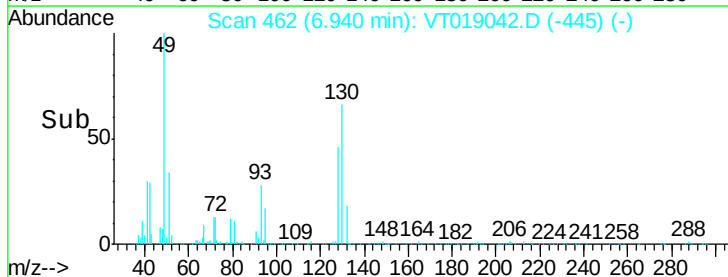
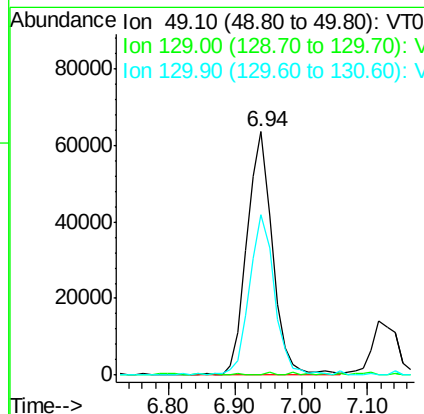
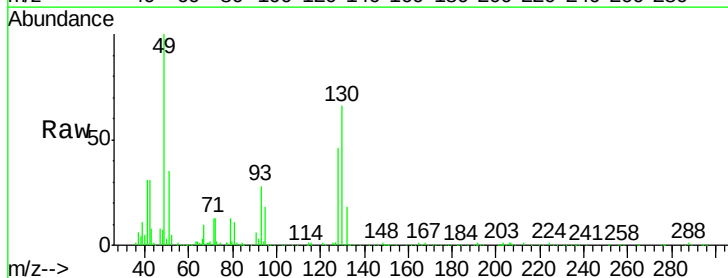
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	282.0
98	57.8	0.0	125.8

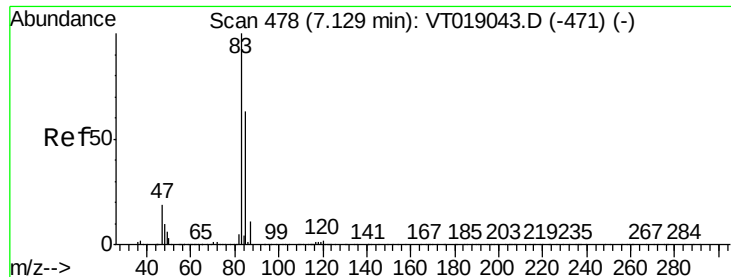


#28

Bromochloromethane
Concen: 22.62 ug/l
RT: 6.94 min Scan# 462
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	66.0	52.4	78.6





#29

Chloroform

Concen: 27.38 ug/l

RT: 7.13 min Scan# 478

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

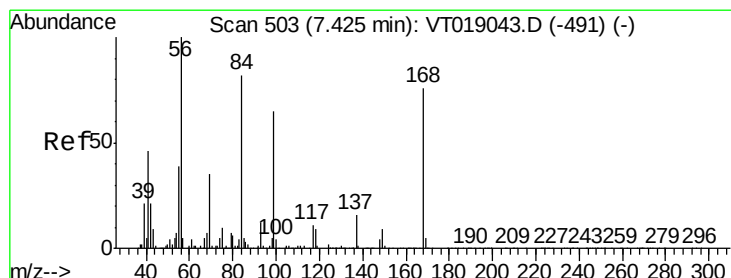
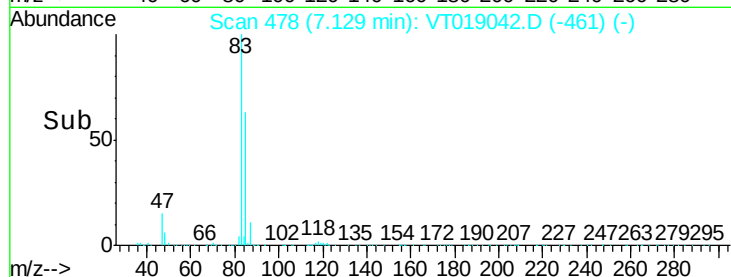
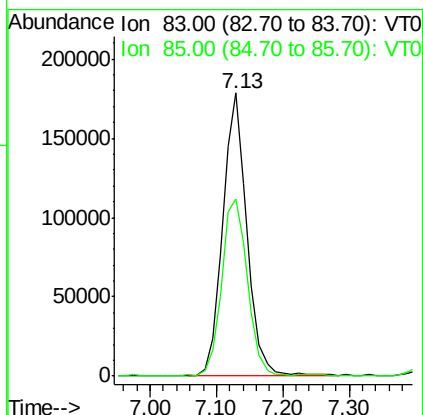
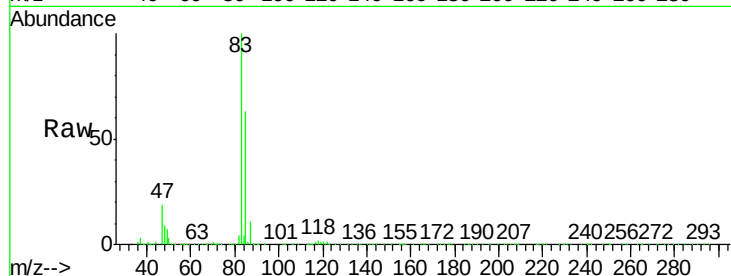
VSTDIC020

Tot Ion: 83 Resp: 458266

Ion Ratio Lower Upper

83 100

85 62.6 50.6 76.0



#30

Cyclohexane

Concen: 25.29 ug/l

RT: 7.41 min Scan# 502

Delta R.T. -0.01 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

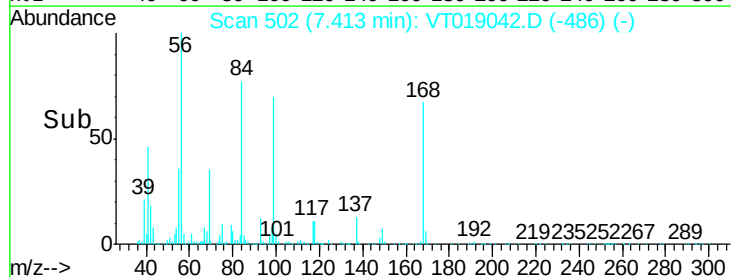
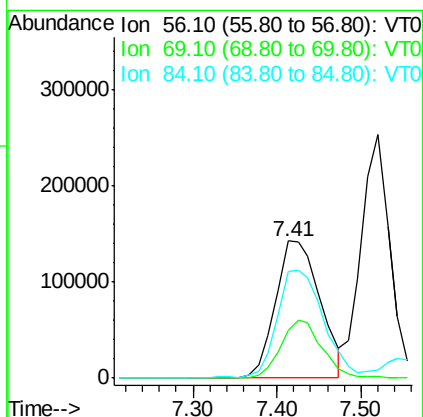
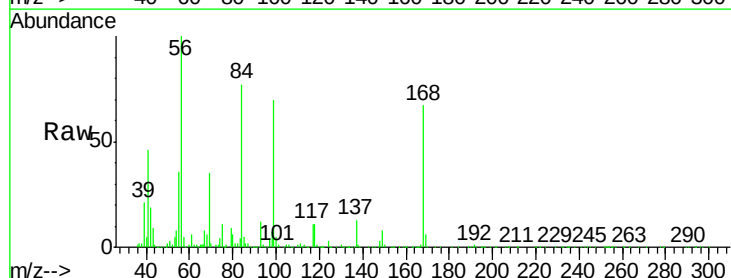
Tgt Ion: 56 Resp: 526078

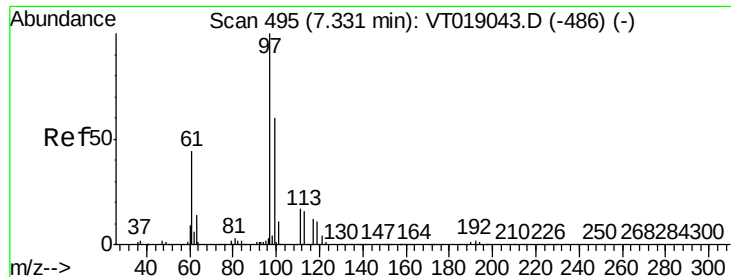
Ion Ratio Lower Upper

56 100

69 35.2 28.2 42.2

84 77.5 65.6 98.4





#31

1,1,1-Trichloroethane

Concen: 28.26 ug/l

RT: 7.33 min Scan# 495

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

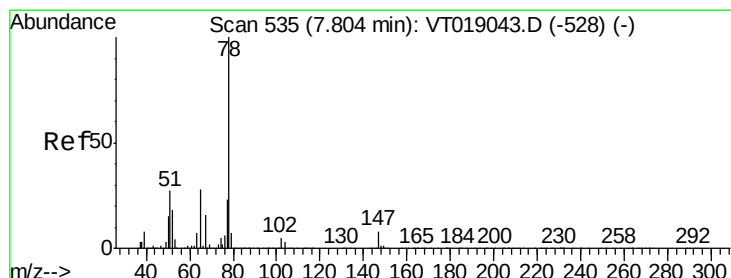
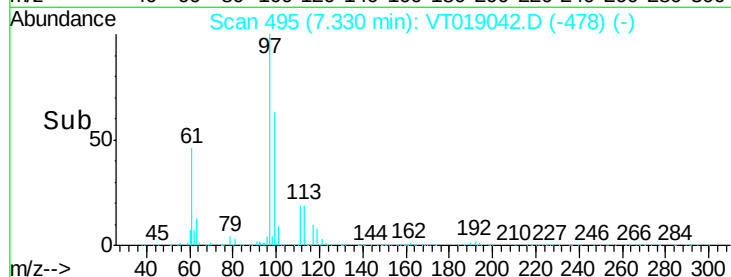
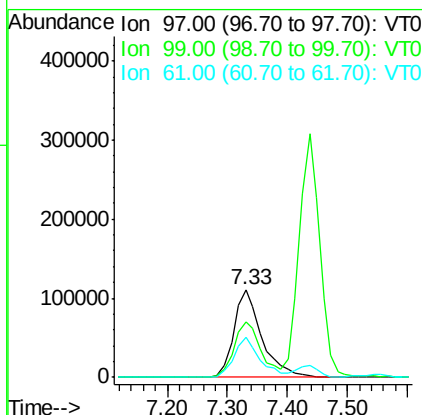
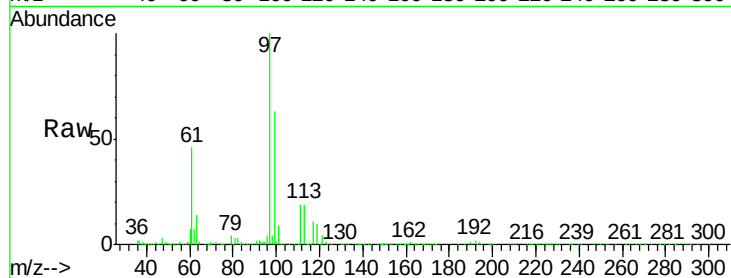
Tot Ion: 97 Resp: 362000

Ion Ratio Lower Upper

97 100

99 63.5 47.6 71.4

61 45.9 35.3 52.9



#32

1,2-Dichloroethane-d4

Concen: 24.37 ug/l

RT: 7.80 min Scan# 535

Delta R.T. -0.00 min

Lab File: VT019042.D

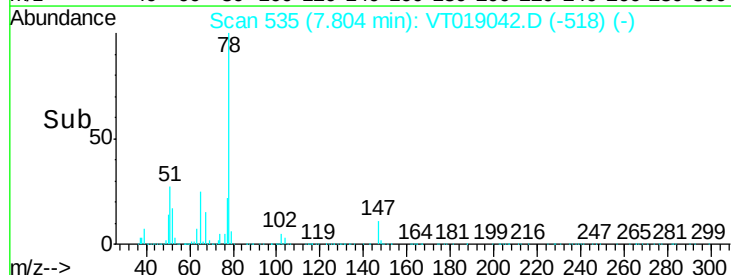
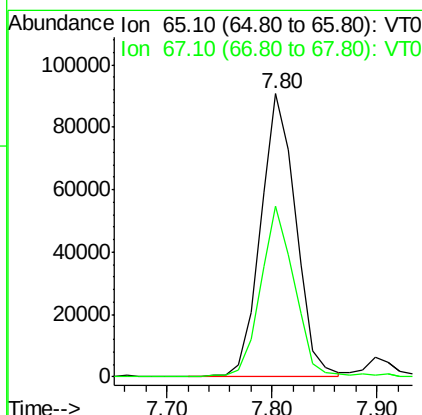
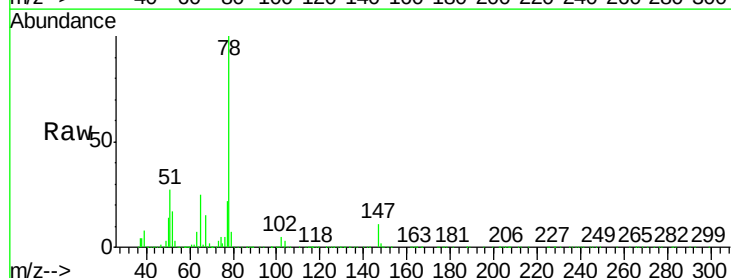
Acq: 8 May 2018 18:17

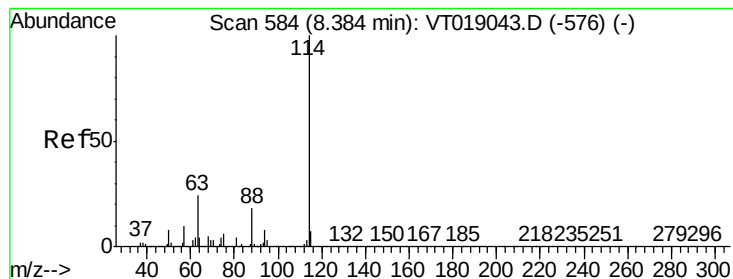
Tgt Ion: 65 Resp: 210934

Ion Ratio Lower Upper

65 100

67 60.4 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: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

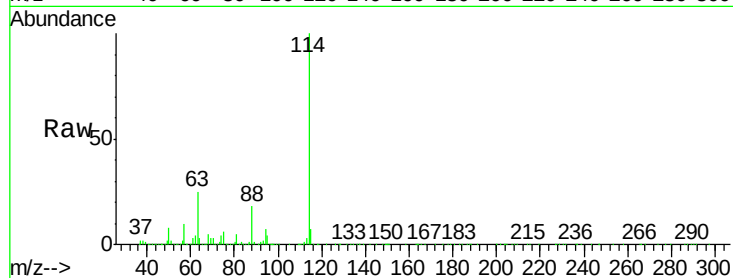
Tot Ion:114 Resp: 1823934

Ion Ratio Lower Upper

114 100

63 24.7 0.0 48.8

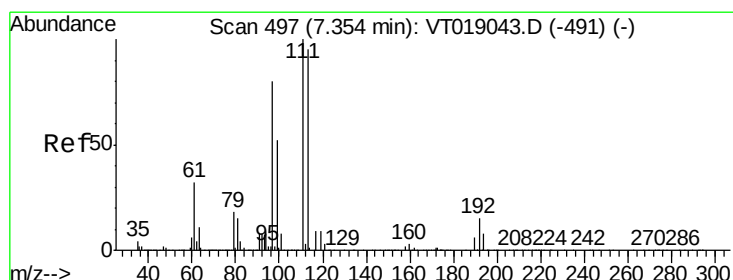
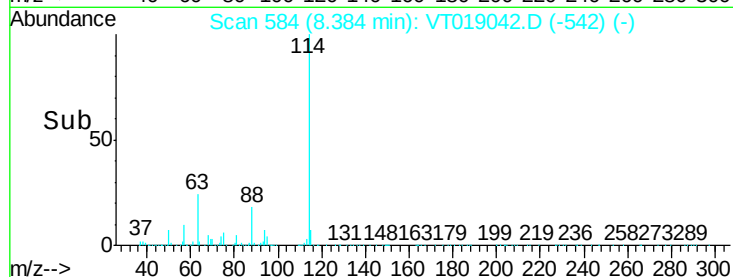
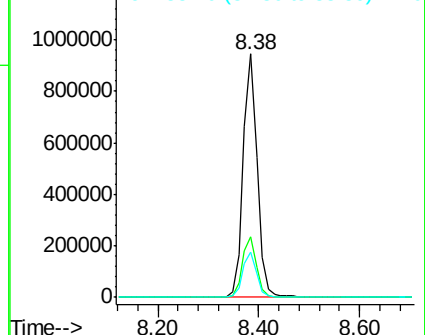
88 18.4 0.0 37.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VT0

Ion 88.10 (87.80 to 88.80): VT0



#34

Dibromofluoromethane

Concen: 21.29 ug/l

RT: 7.35 min Scan# 497

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

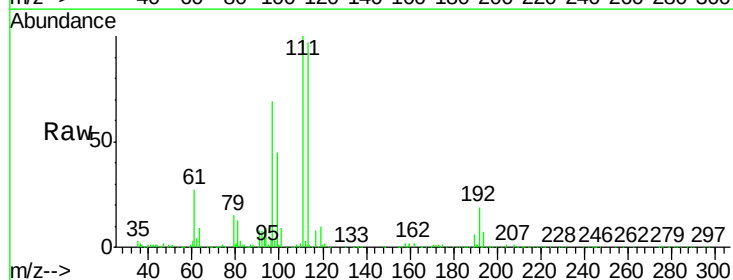
Tgt Ion:113 Resp: 210330

Ion Ratio Lower Upper

113 100

111 103.0 84.0 126.0

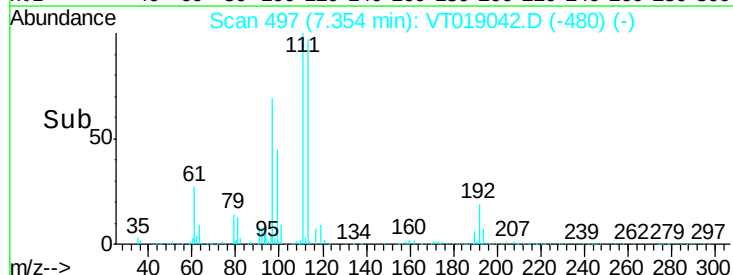
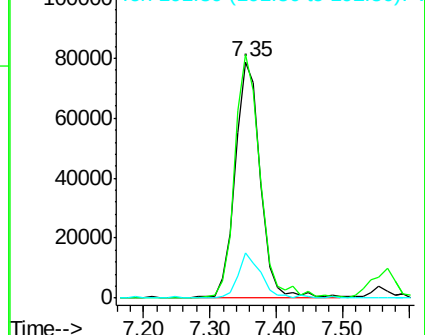
192 19.2 12.9 19.3

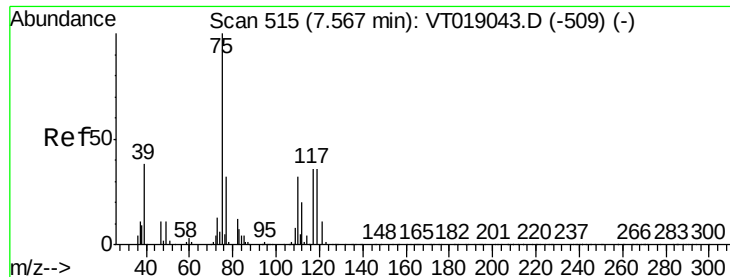


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#35

1,1-Dichloropropene

Concen: 23.43 ug/l

RT: 7.56 min Scan# 514

Delta R.T. -0.01 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

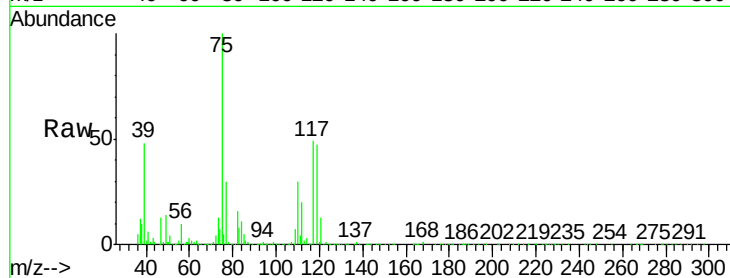
Tot Ion: 75 Resp: 422176

Ion Ratio Lower Upper

75 100

110 30.0 15.9 47.6

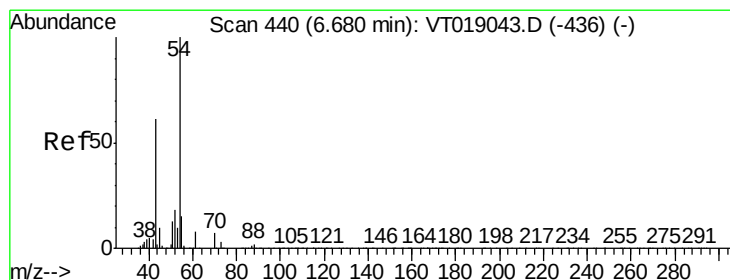
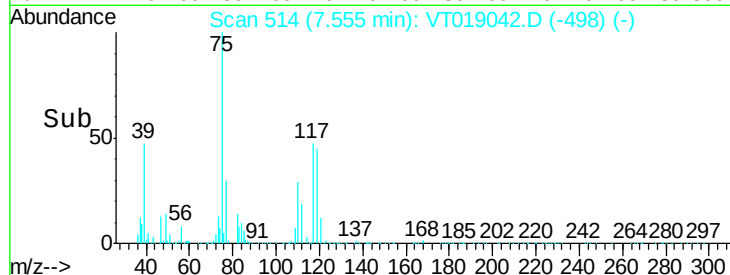
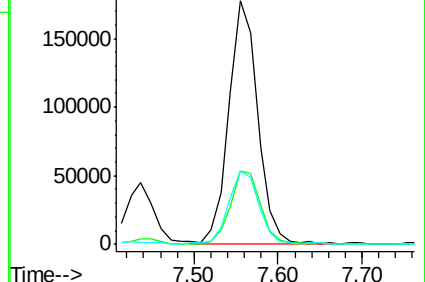
77 30.0 25.9 38.9



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 110.00 (109.70 to 110.70): VT0

Ion 77.00 (76.70 to 77.70): VT0



#36

Ethyl Acetate

Concen: 16.79 ug/l

RT: 6.67 min Scan# 439

Delta R.T. -0.01 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

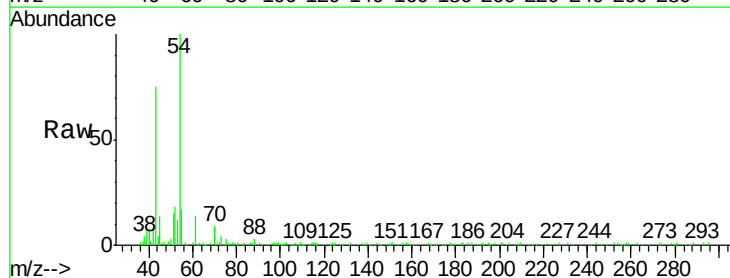
Tgt Ion: 43 Resp: 111865

Ion Ratio Lower Upper

43 100

61 18.1 14.2 21.2

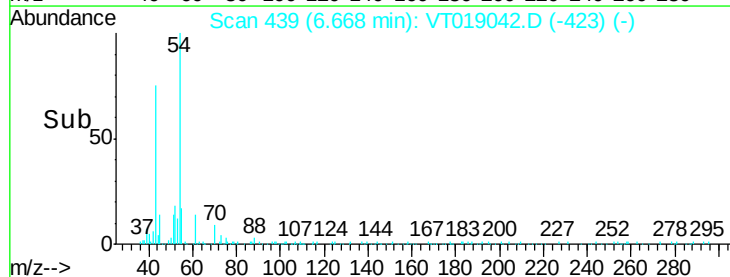
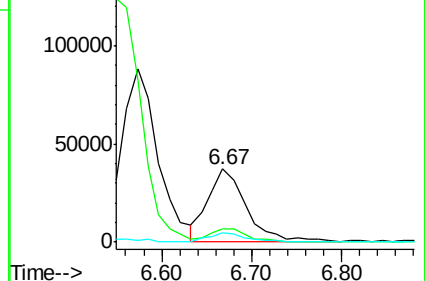
70 12.0 8.4 12.6

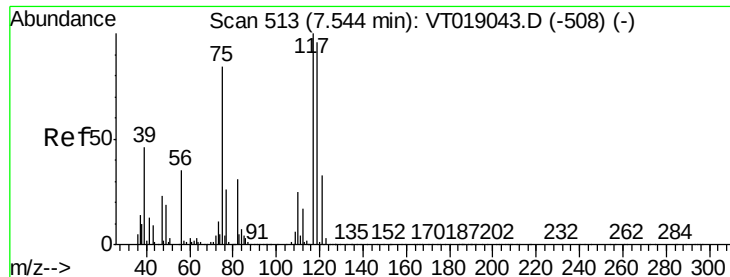


Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 61.10 (60.80 to 61.80): VT0

Ion 70.10 (69.80 to 70.80): VT0





#37

Carbon Tetrachloride

Concen: 22.40 ug/l

RT: 7.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

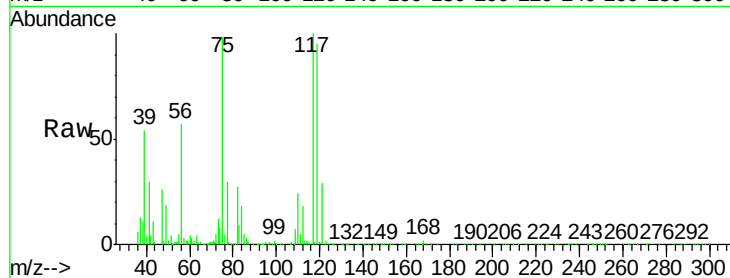
Tot Ion:117 Resp: 337765

Ion Ratio Lower Upper

117 100

119 94.6 76.5 114.7

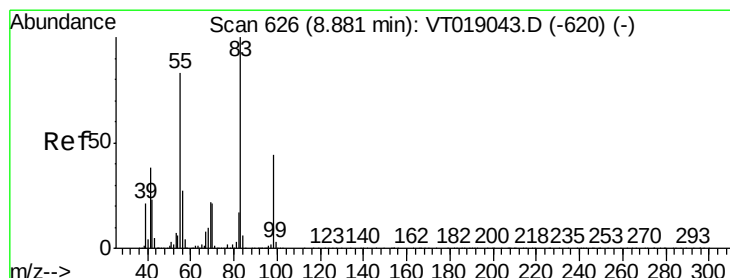
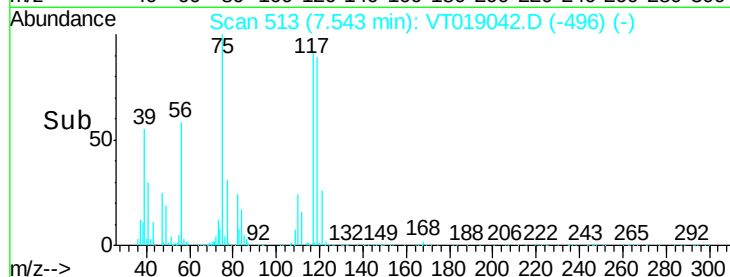
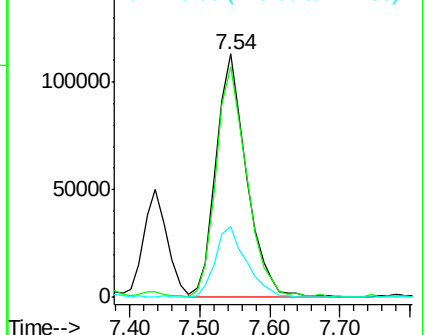
121 28.9 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

Ion 120.90 (120.60 to 121.60): V



#38

Methylcyclohexane

Concen: 22.56 ug/l

RT: 8.88 min Scan# 626

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

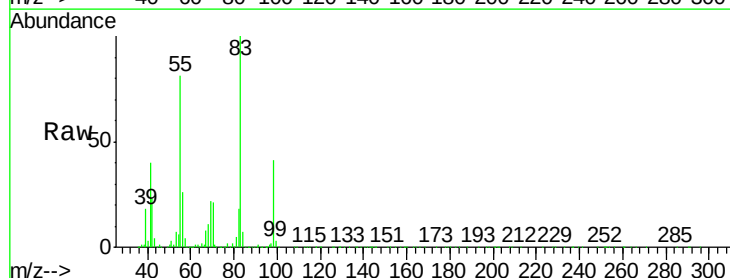
Tgt Ion: 83 Resp: 519476

Ion Ratio Lower Upper

83 100

55 81.0 66.7 100.1

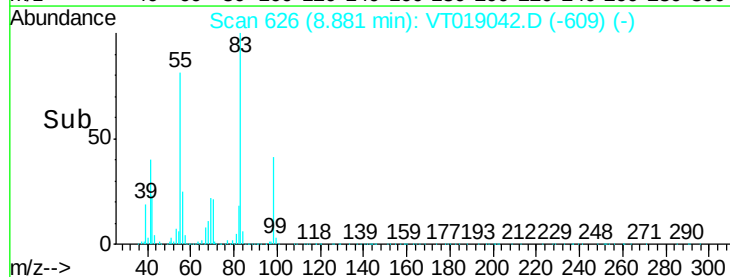
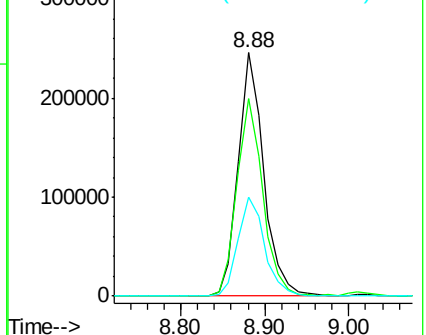
98 40.7 35.5 53.3

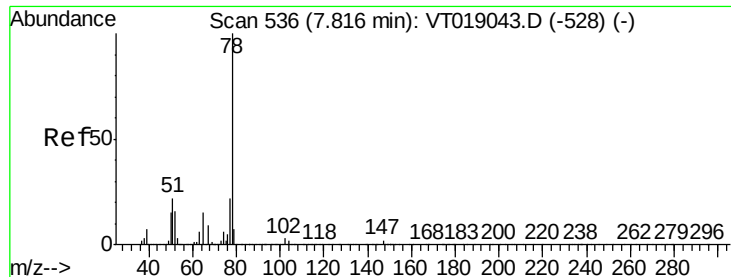


Abundance Ion 83.10 (82.80 to 83.80): VT0

Ion 55.10 (54.80 to 55.80): VT0

Ion 98.10 (97.80 to 98.80): VT0





#39

Benzene

Concen: 23.30 ug/l

RT: 7.82 min Scan# 536

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

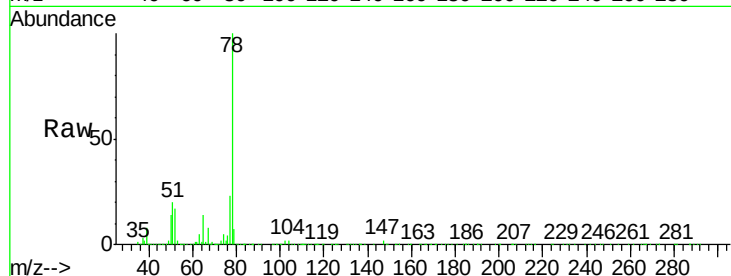
Tot Ion: 78 Resp: 1160445

Ion Ratio Lower Upper

78 100

77 22.7 18.0 27.0

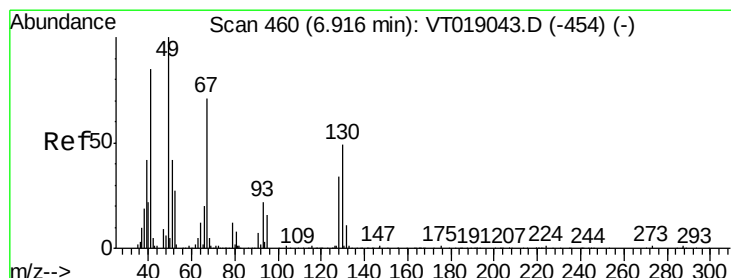
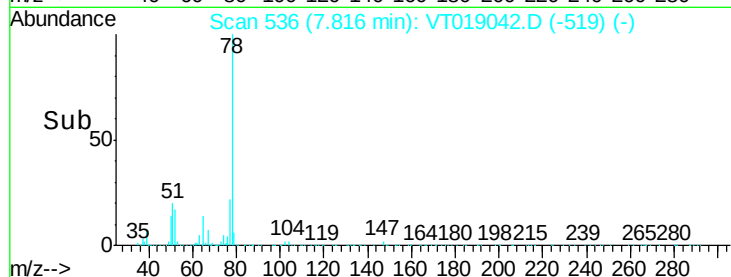
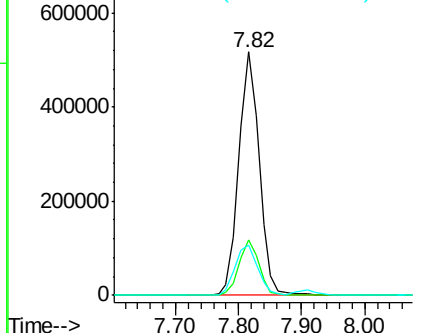
51 20.5 17.3 25.9



Abundance Ion 78.10 (77.80 to 78.80): VT0

Ion 77.10 (76.80 to 77.80): VT0

Ion 51.10 (50.80 to 51.80): VT0



#40

Methacrylonitrile

Concen: 13.39 ug/l m

RT: 6.92 min Scan# 460

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Tgt Ion: 41 Resp: 52648

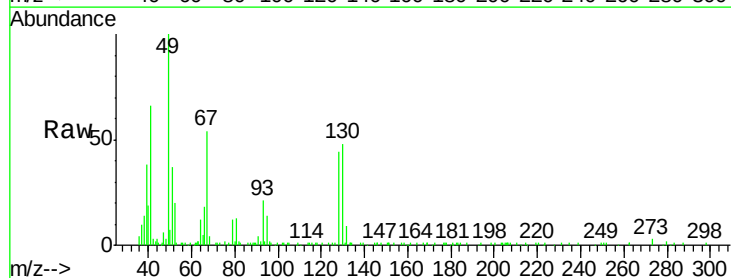
Ion Ratio Lower Upper

41 100

39 57.7 39.4 59.0

67 82.0 66.8 100.2

52 30.6 25.5 38.3

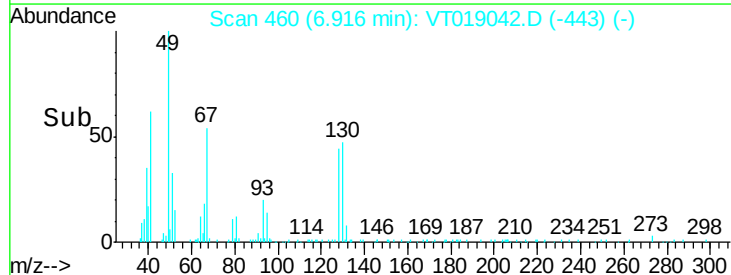
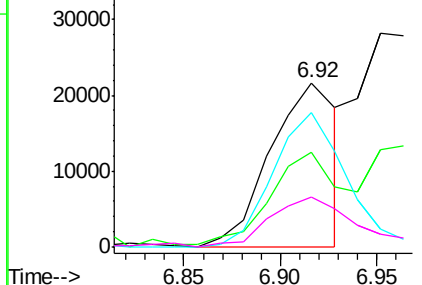


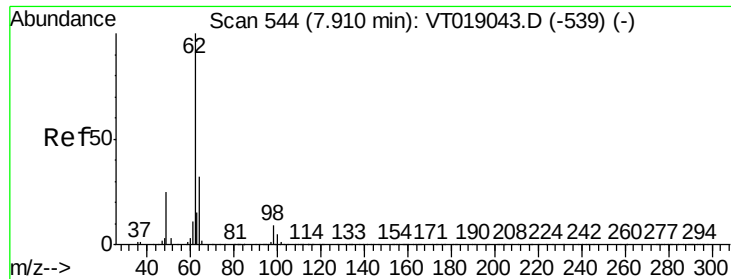
Abundance Ion 41.10 (40.80 to 41.80): VT0

Ion 39.10 (38.80 to 39.80): VT0

Ion 67.10 (66.80 to 67.80): VT0

Ion 52.10 (51.80 to 52.80): VT0

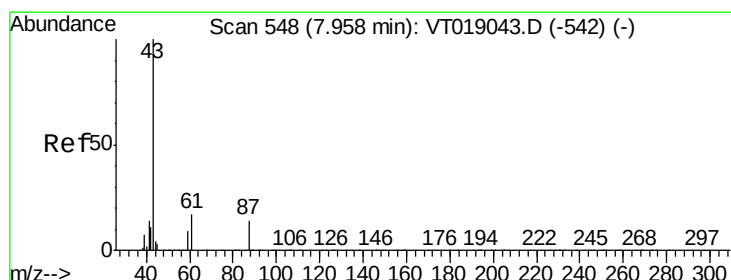
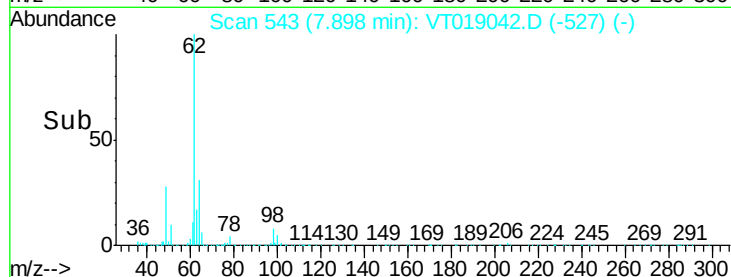
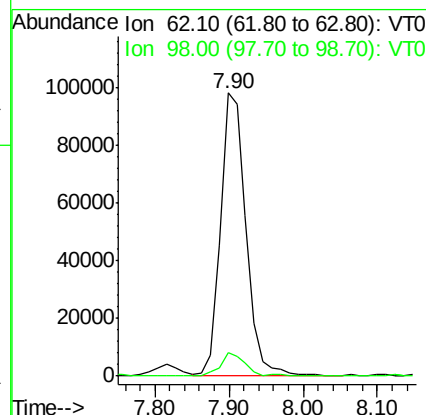
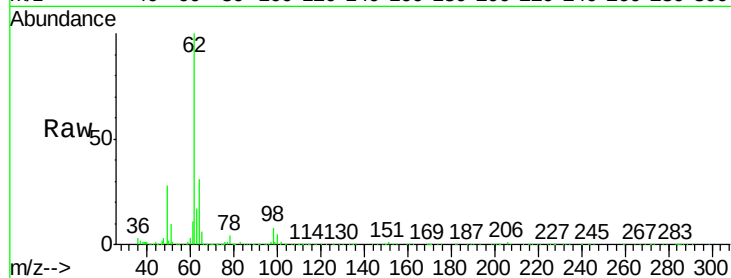




#41
 1,2-Dichloroethane
 Concen: 19.80 ug/l
 RT: 7.90 min Scan# 543
 Delta R.T. -0.01 min
 Lab File: VT019042.D
 Acq: 8 May 2018 18:17

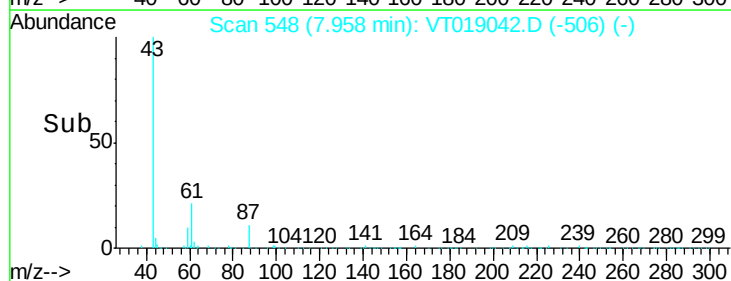
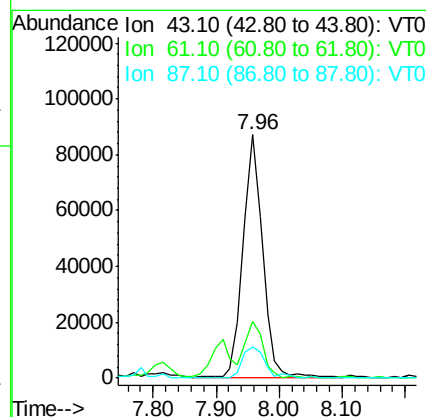
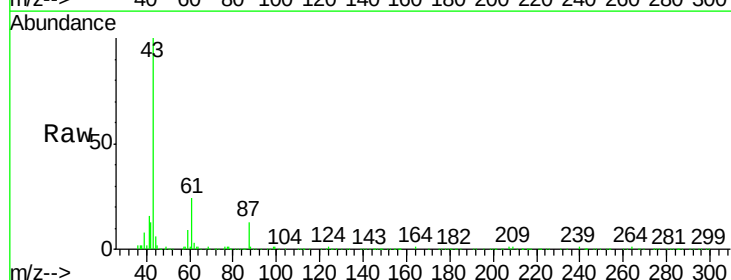
Instrument :
 MSVOA_T
 ClientSampled :
 VSTDIC020

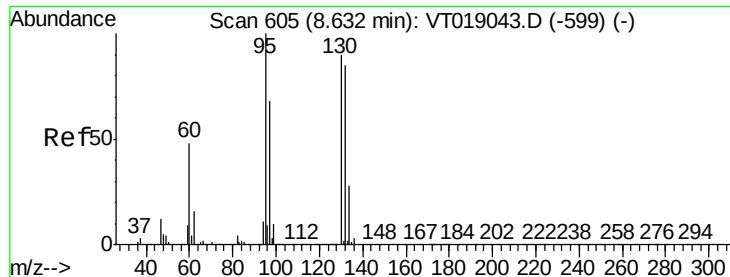
Tot Ion: 62 Resp: 237244
 Ion Ratio Lower Upper
 62 100
 98 8.2 0.0 17.4



#42
 Isopropyl Acetate
 Concen: 17.30 ug/l
 RT: 7.96 min Scan# 548
 Delta R.T. -0.00 min
 Lab File: VT019042.D
 Acq: 8 May 2018 18:17

Tgt Ion: 43 Resp: 188934
 Ion Ratio Lower Upper
 43 100
 61 23.5 17.9 26.9
 87 12.8 11.0 16.6





#43

Trichloroethene

Concen: 20.13 ug/l

RT: 8.63 min Scan# 605

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

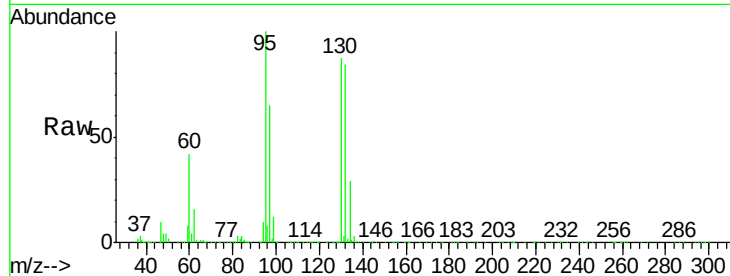
VSTDIC020

Tot Ion:130 Resp: 254203

Ion Ratio Lower Upper

130 100

95 114.5 0.0 222.6



Abundance Ion 129.90 (129.60 to 130.60): VT0

Ion 95.00 (94.70 to 95.70): VT0

8.63

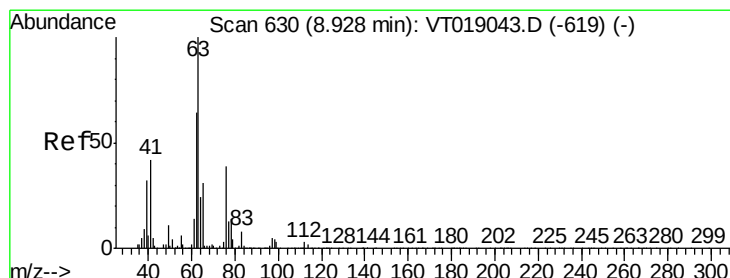
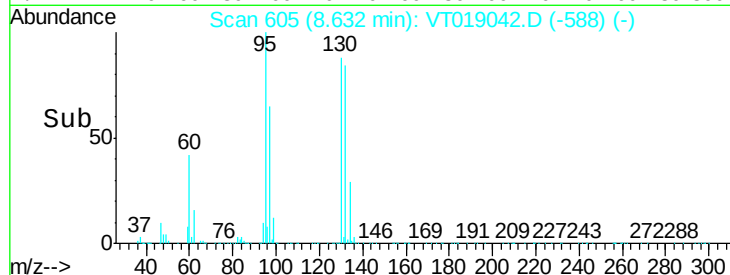
150000

100000

50000

0

Time--> 8.50 8.60 8.70



#44

1,2-Dichloropropane

Concen: 22.08 ug/l

RT: 8.92 min Scan# 629

Delta R.T. -0.01 min

Lab File: VT019042.D

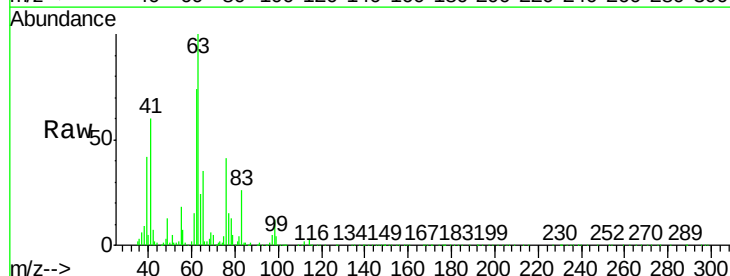
Acq: 8 May 2018 18:17

Tgt Ion: 63 Resp: 254783

Ion Ratio Lower Upper

63 100

65 34.6 25.0 37.4



Abundance Ion 63.10 (62.80 to 63.80): VT0

Ion 65.10 (64.80 to 65.80): VT0

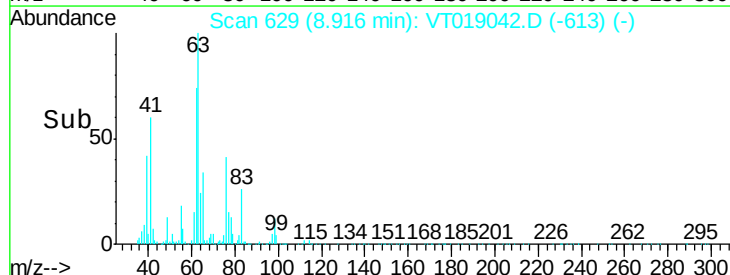
8.92

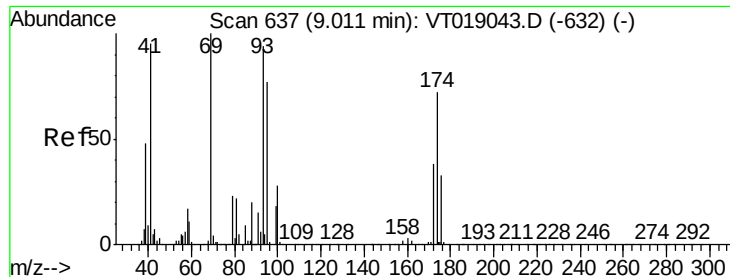
100000

50000

0

Time--> 8.80 8.90 9.00 9.10





#45

Dibromomethane

Concen: 20.11 ug/l

RT: 9.01 min Scan# 637

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

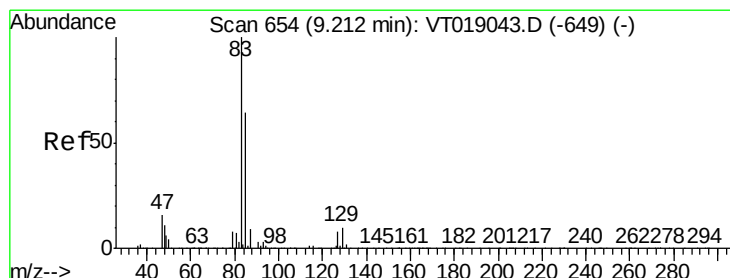
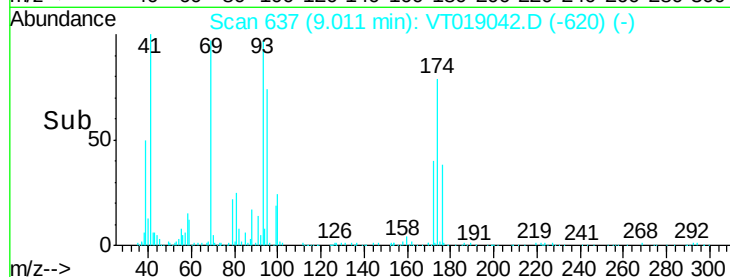
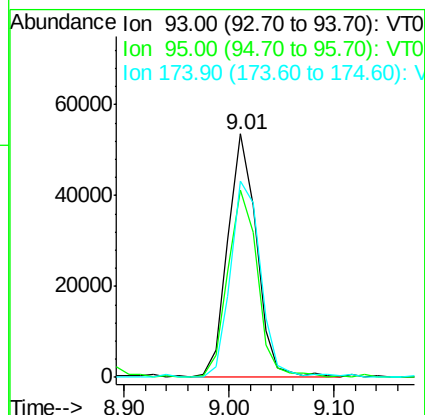
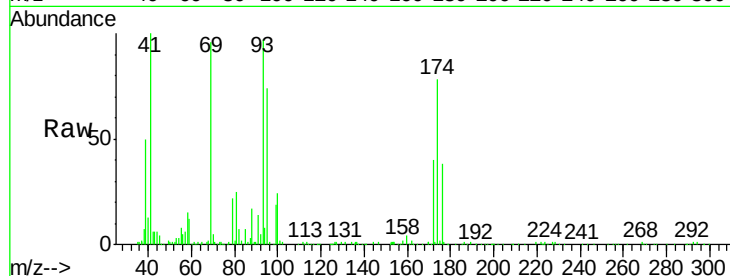
Tot Ion: 93 Resp: 101879

Ion Ratio Lower Upper

93 100

95 76.9 65.5 98.3

174 80.6 60.9 91.3



#46

Bromodichloromethane

Concen: 21.60 ug/l

RT: 9.21 min Scan# 654

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

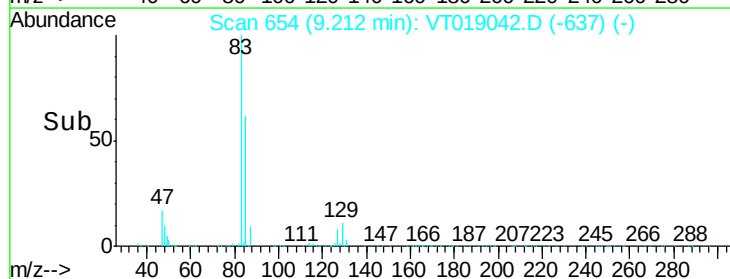
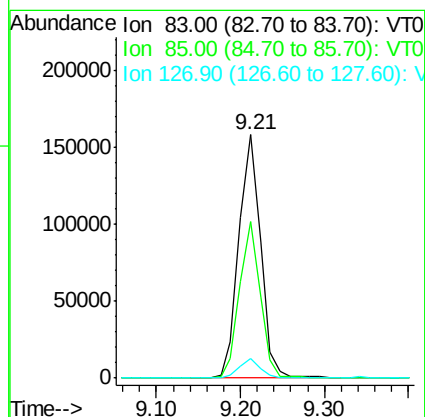
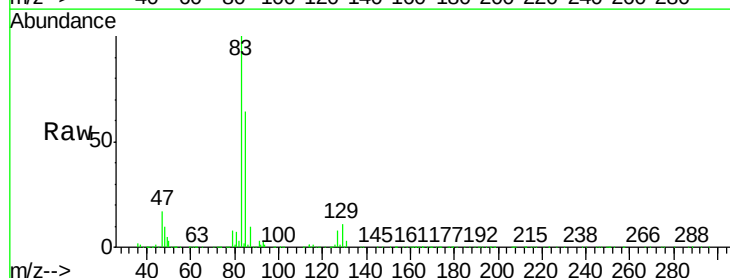
Tgt Ion: 83 Resp: 284709

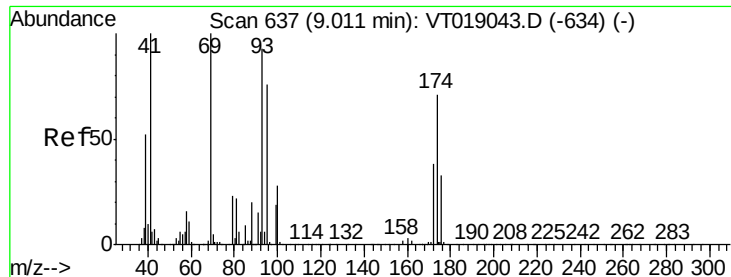
Ion Ratio Lower Upper

83 100

85 64.1 51.3 76.9

127 8.3 6.1 9.1

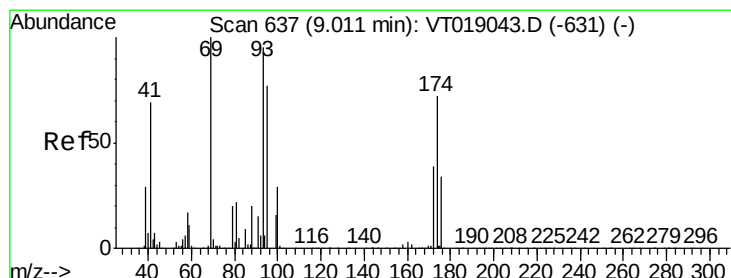
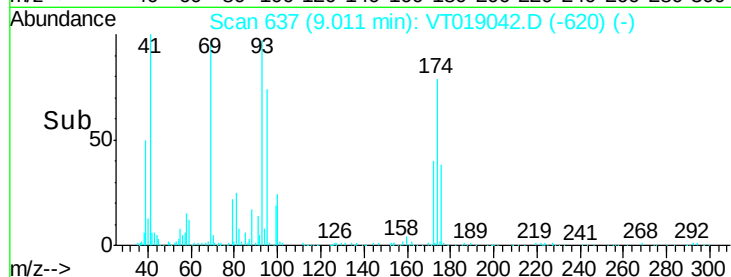
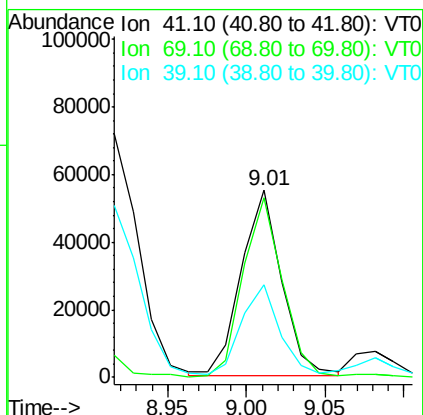
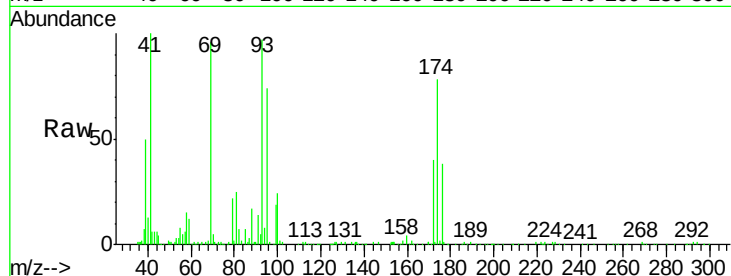




#47
Methyl methacrylate
Concen: 15.90 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

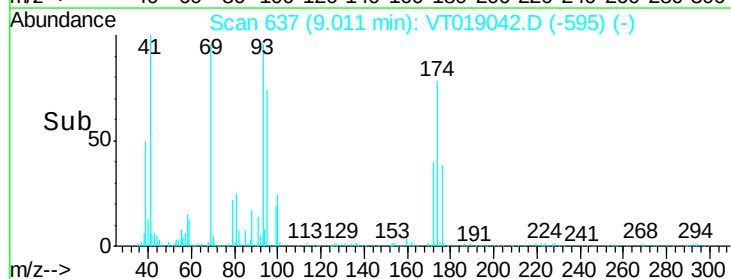
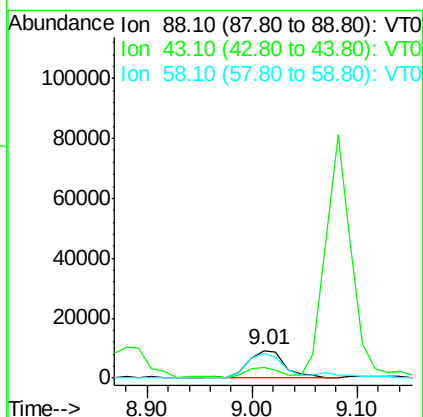
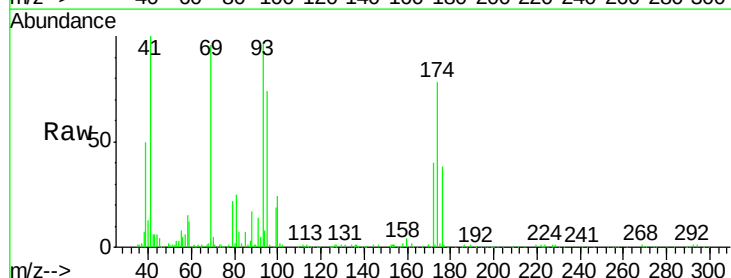
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC020

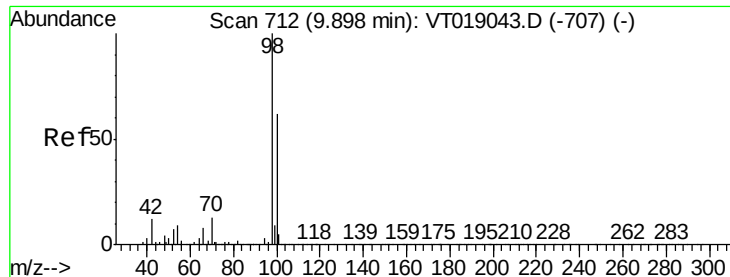
Tot Ion: 41 Resp: 98486
Ion Ratio Lower Upper
41 100
69 96.0 78.4 117.6
39 49.7 41.4 62.2



#48
1,4-Dioxane
Concen: 334.28 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

Tgt Ion: 88 Resp: 22819
Ion Ratio Lower Upper
88 100
43 38.6 30.5 45.7
58 88.4 67.5 101.3





#49

Toluene-d8

Concen: 21.17 ug/l

RT: 9.90 min Scan# 712

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

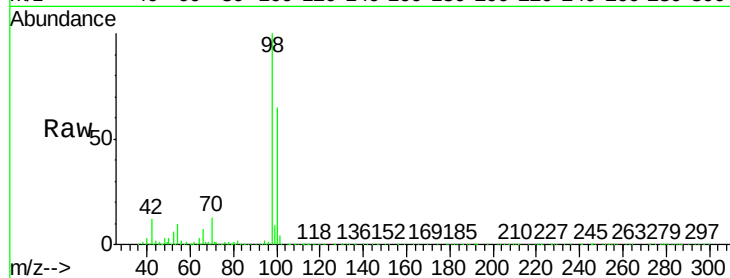
VSTDIC020

Tot Ion: 98 Resp: 919170

Ion Ratio Lower Upper

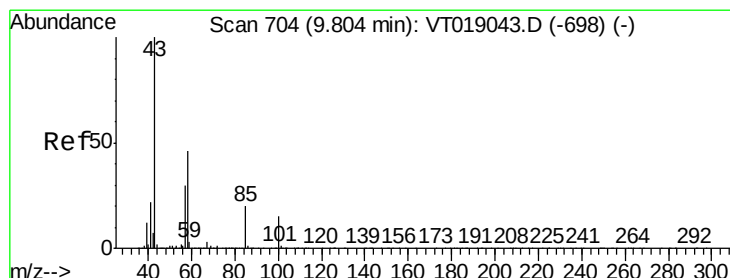
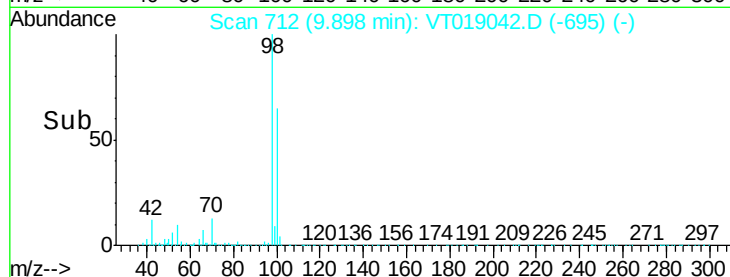
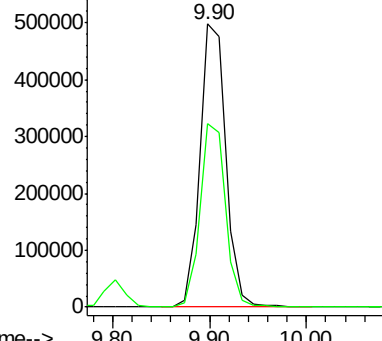
98 100

100 64.9 50.0 75.0



Abundance Ion 98.10 (97.80 to 98.80): VT0

Ion 100.10 (99.80 to 100.80): VT0



#50

4-Methyl-2-Pentanone

Concen: 83.16 ug/l

RT: 9.80 min Scan# 704

Delta R.T. -0.00 min

Lab File: VT019042.D

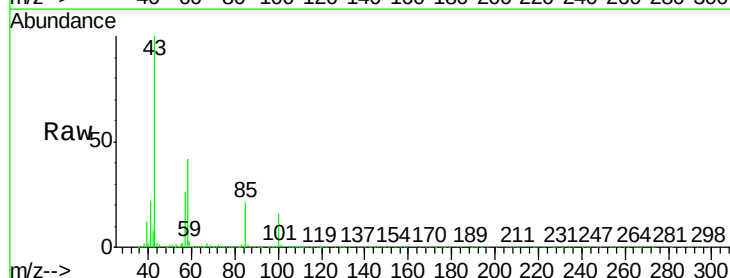
Acq: 8 May 2018 18:17

Tgt Ion: 43 Resp: 538763

Ion Ratio Lower Upper

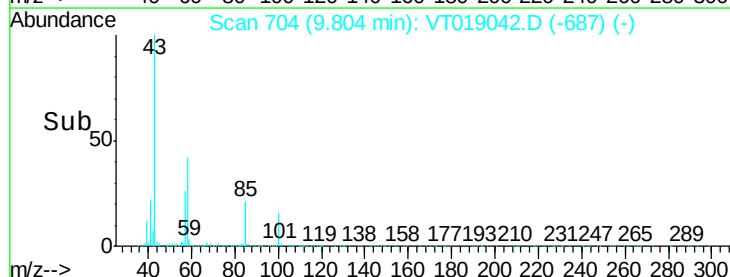
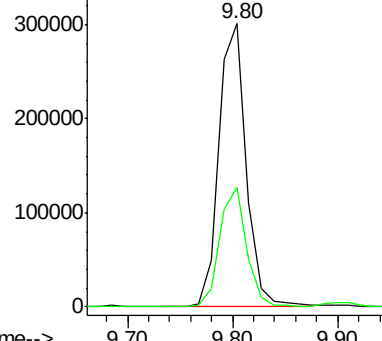
43 100

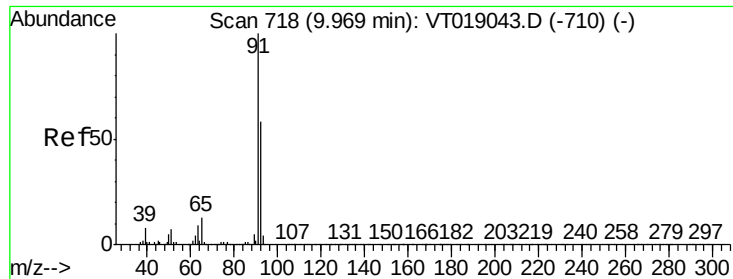
58 42.3 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 58.10 (57.80 to 58.80): VT0





#51

Toluene

Concen: 21.17 ug/l

RT: 9.97 min Scan# 718

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

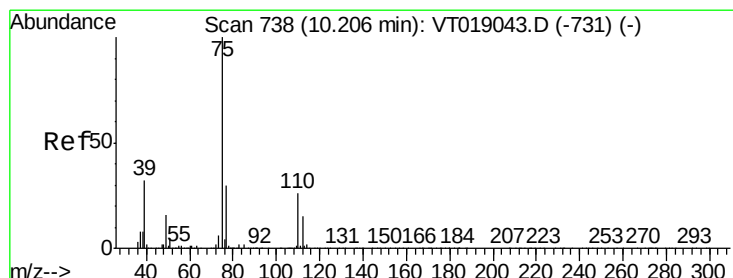
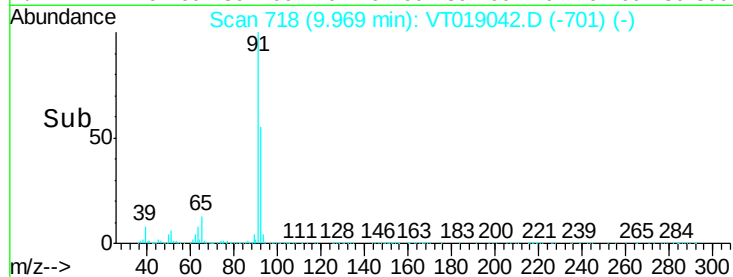
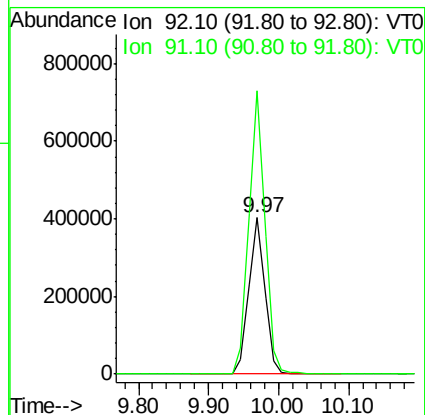
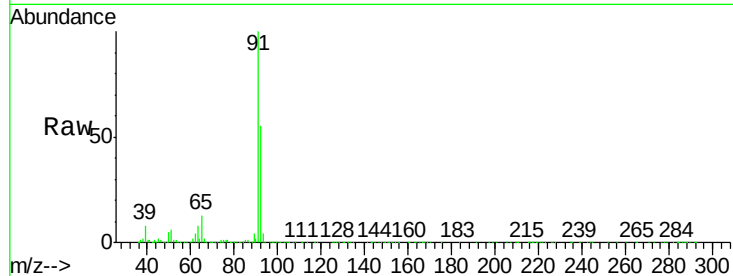
VSTDIC020

Tot Ion: 92 Resp: 653914

Ion Ratio Lower Upper

92 100

91 181.1 137.8 206.6



#52

t-1,3-Dichloropropene

Concen: 20.78 ug/l

RT: 10.19 min Scan# 737

Delta R.T. -0.01 min

Lab File: VT019042.D

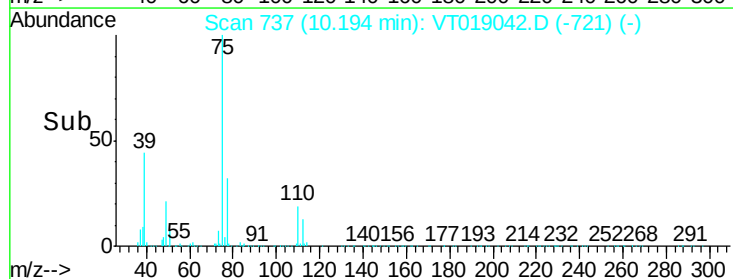
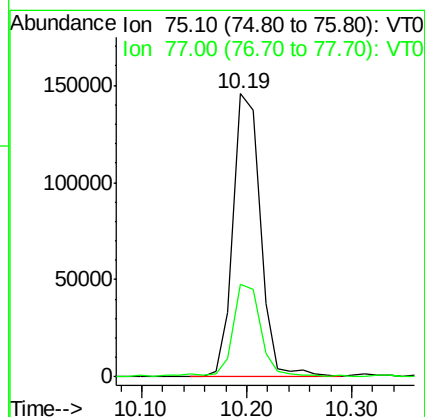
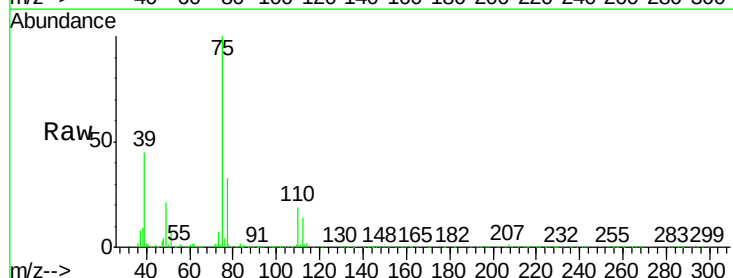
Acq: 8 May 2018 18:17

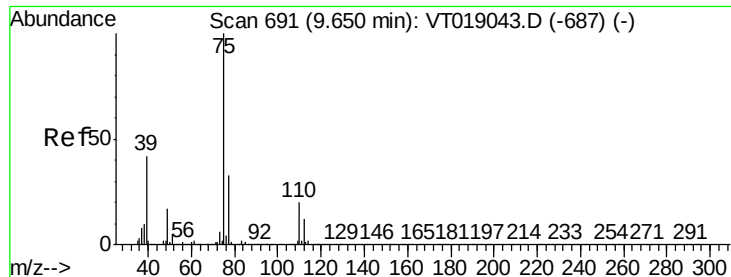
Tgt Ion: 75 Resp: 263978

Ion Ratio Lower Upper

75 100

77 32.6 24.6 36.8





#53

cis-1,3-Dichloropropene

Concen: 20.92 ug/l

RT: 9.65 min Scan# 691

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

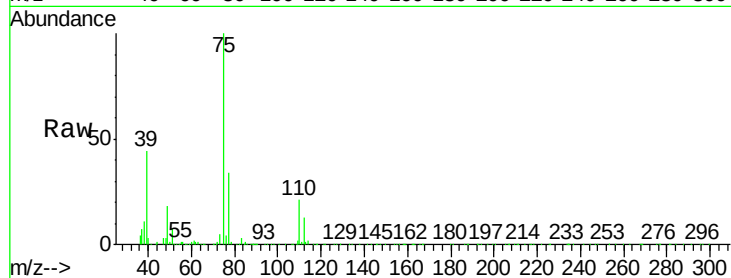
Tot Ion: 75 Resp: 335436

Ion Ratio Lower Upper

75 100

77 34.3 26.6 39.8

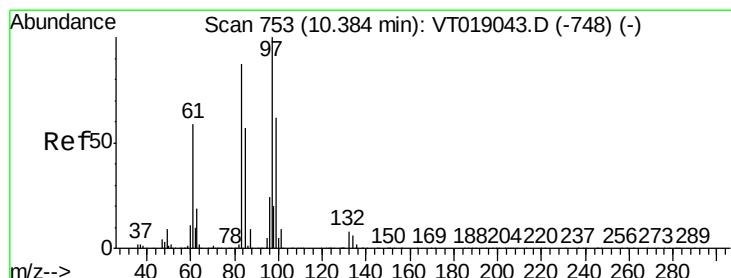
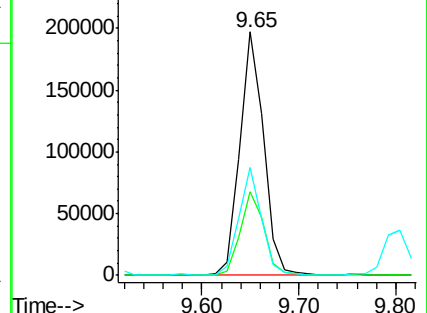
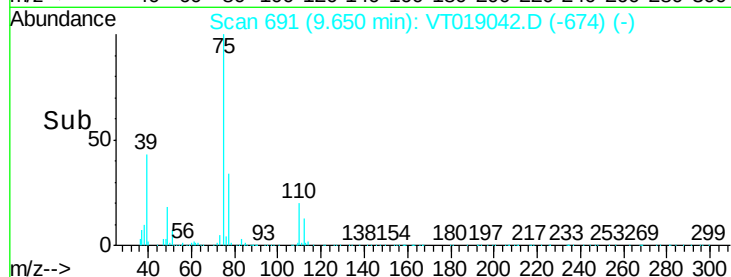
39 44.4 34.1 51.1



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 77.00 (76.70 to 77.70): VT0

Ion 39.10 (38.80 to 39.80): VT0



#54

1,1,2-Trichloroethane

Concen: 20.74 ug/l

RT: 10.38 min Scan# 753

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Tgt Ion: 97 Resp: 156904

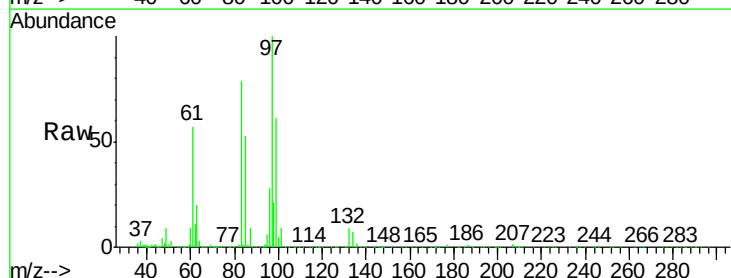
Ion Ratio Lower Upper

97 100

83 78.9 69.7 104.5

85 52.8 46.1 69.1

99 60.7 49.6 74.4

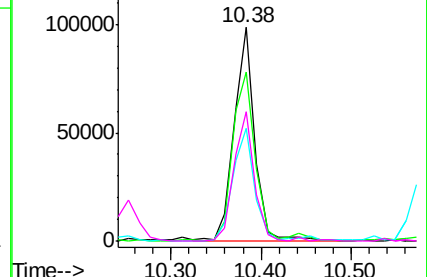
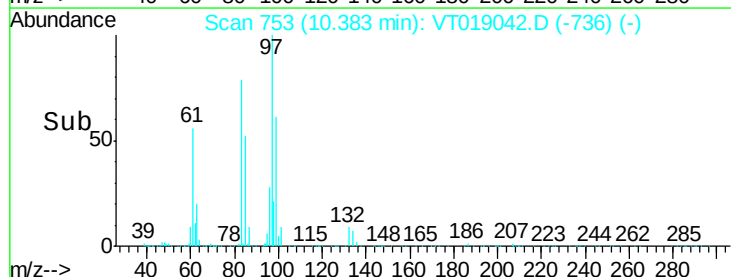


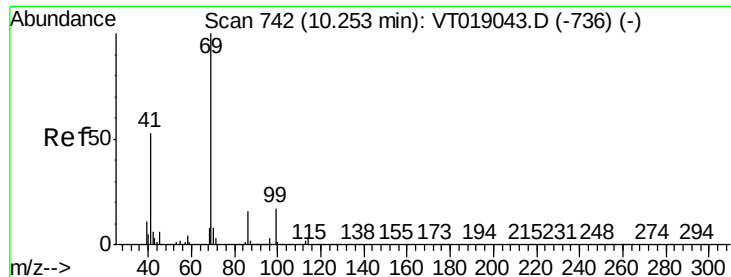
Abundance Ion 97.00 (96.70 to 97.70): VT0

Ion 83.00 (82.70 to 83.70): VT0

Ion 85.00 (84.70 to 85.70): VT0

Ion 99.00 (98.70 to 99.70): VT0





#55

Ethyl methacrylate

Concen: 20.79 ug/l

RT: 10.25 min Scan# 742

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

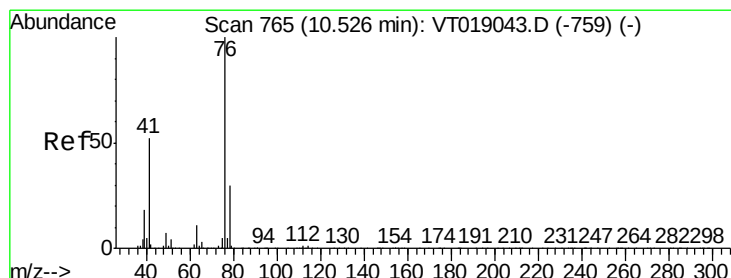
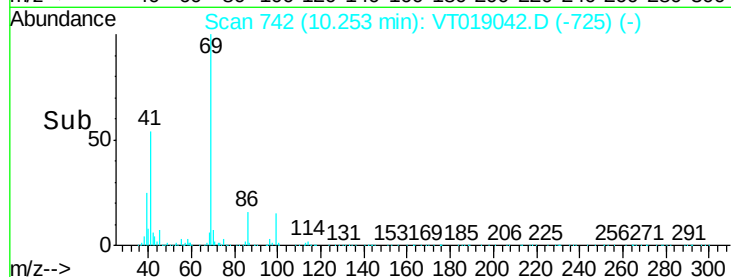
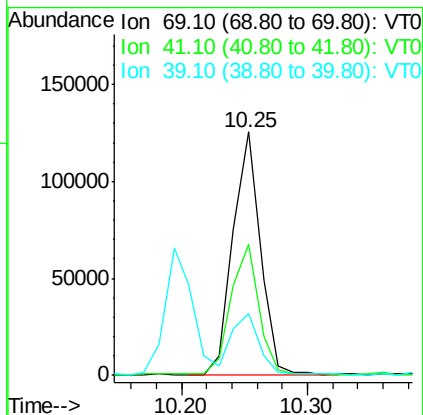
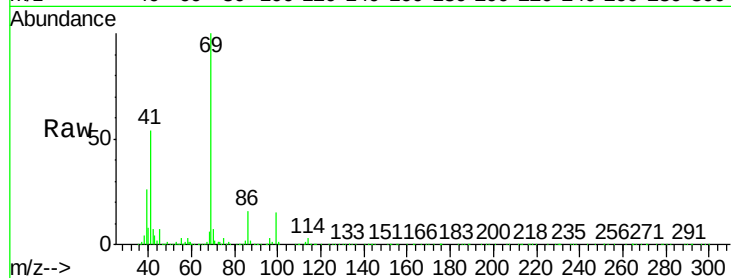
Tot Ion: 69 Resp: 191838

Ion Ratio Lower Upper

69 100

41 54.0 42.9 64.3

39 25.7 21.2 31.8



#56

1,3-Dichloropropane

Concen: 21.15 ug/l

RT: 10.53 min Scan# 765

Delta R.T. -0.00 min

Lab File: VT019042.D

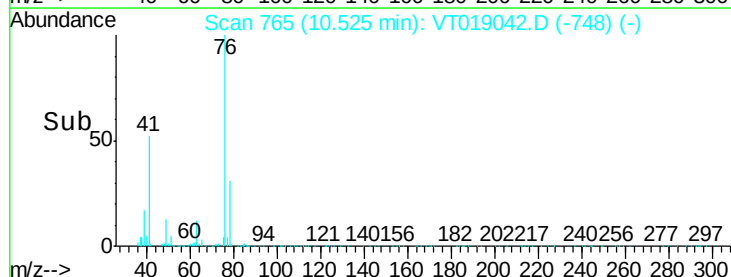
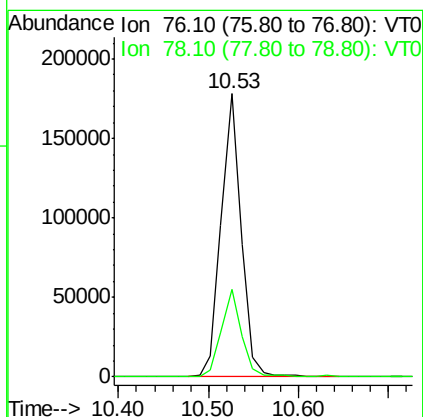
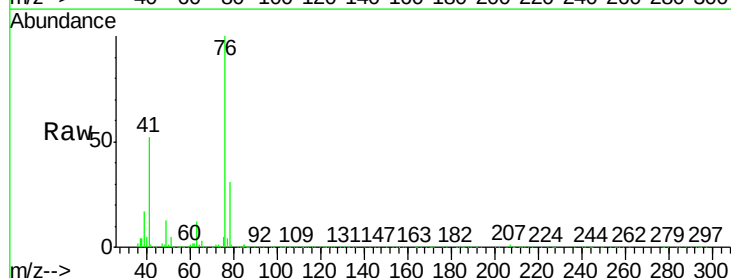
Acq: 8 May 2018 18:17

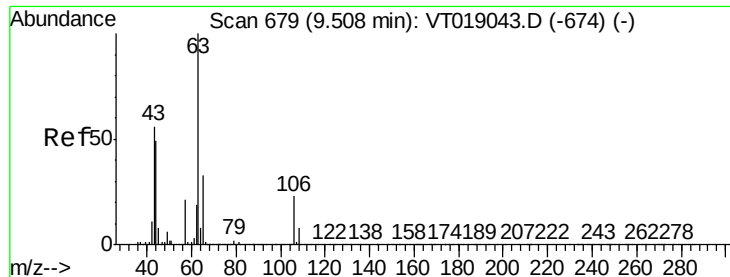
Tgt Ion: 76 Resp: 277667

Ion Ratio Lower Upper

76 100

78 31.1 24.1 36.1

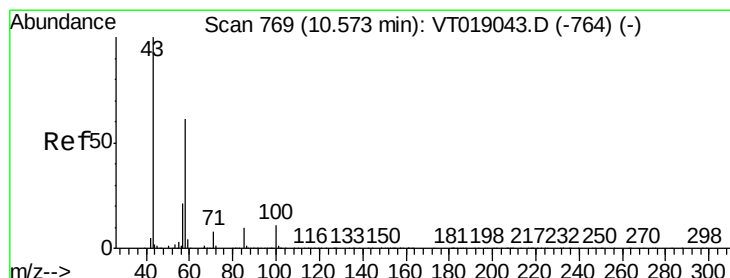
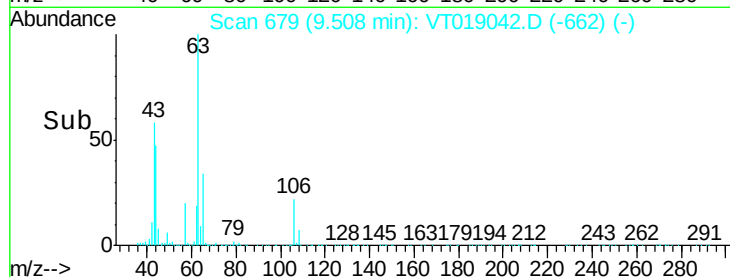
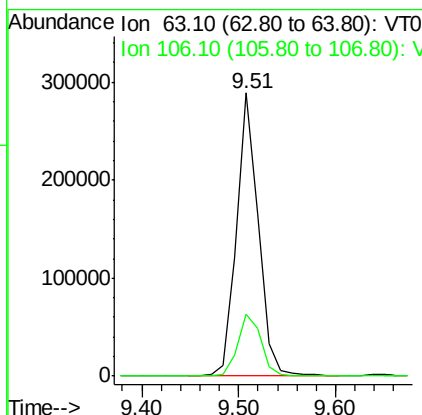
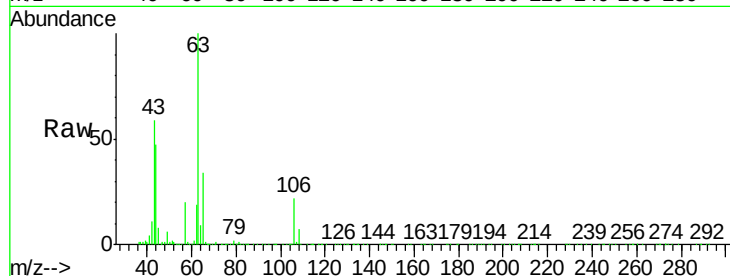




#57
2-Chloroethyl Vinyl ether
Concen: 117.13 ug/l
RT: 9.51 min Scan# 679
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

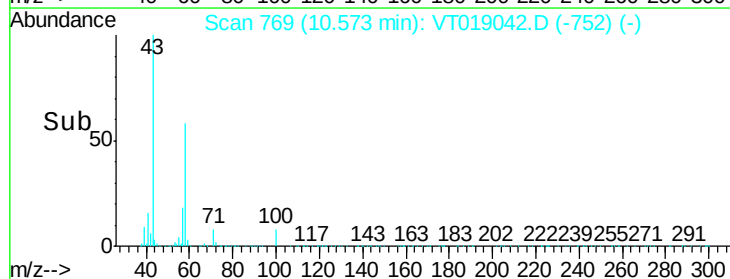
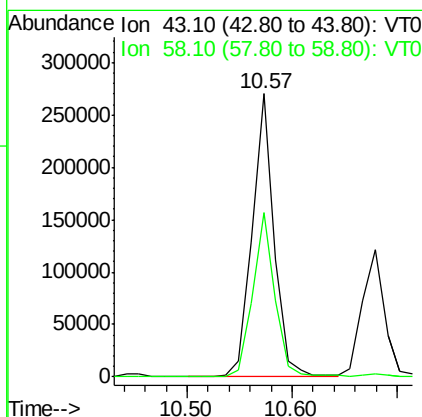
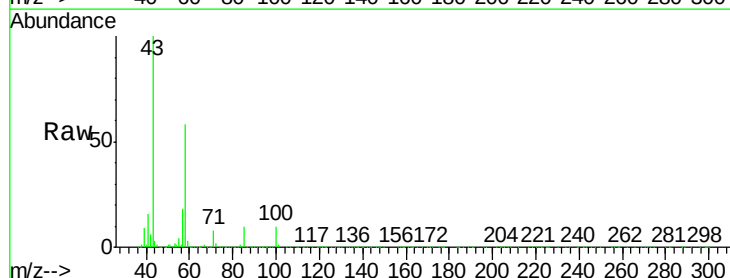
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC020

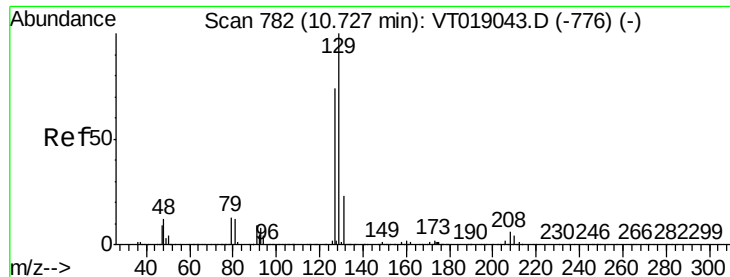
Tot Ion: 63 Resp: 450205
Ion Ratio Lower Upper
63 100
106 22.1 18.7 28.1



#58
2-Hexanone
Concen: 79.97 ug/l
RT: 10.57 min Scan# 769
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

Tgt Ion: 43 Resp: 391242
Ion Ratio Lower Upper
43 100
58 58.1 30.6 92.0

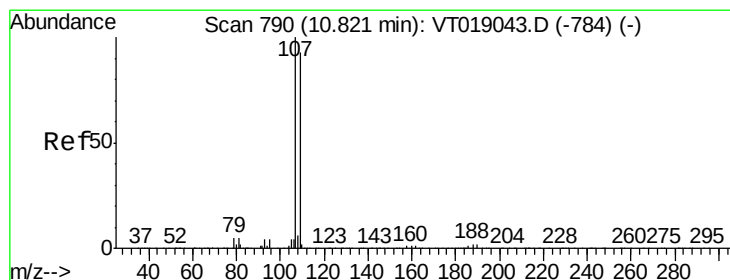
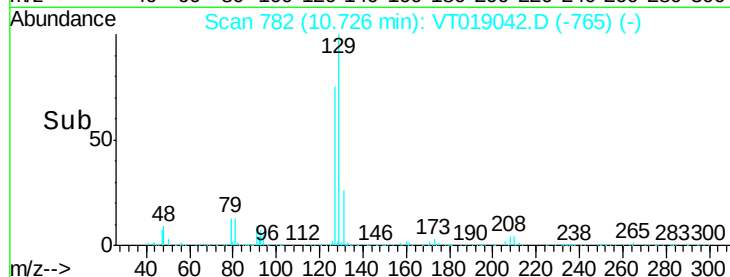
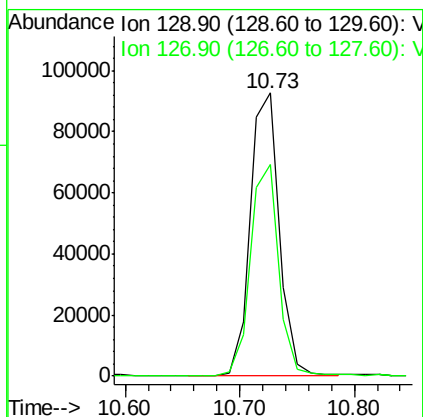
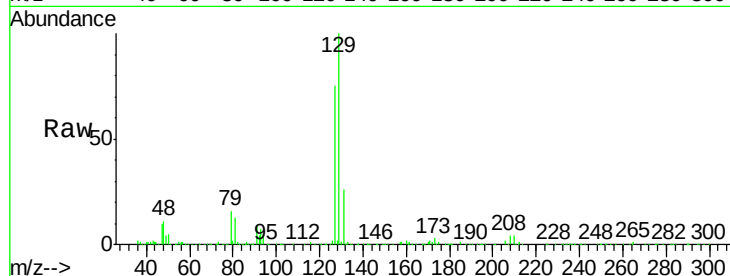




#59
Dibromochloromethane
Concen: 18.78 ug/l
RT: 10.73 min Scan# 782
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

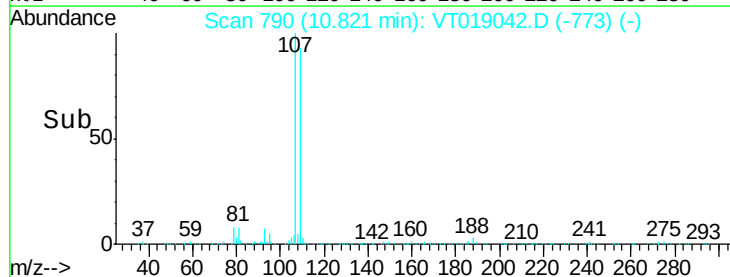
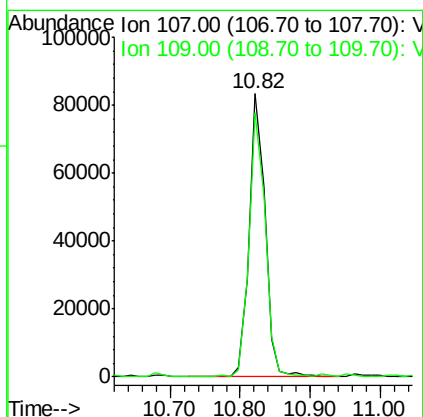
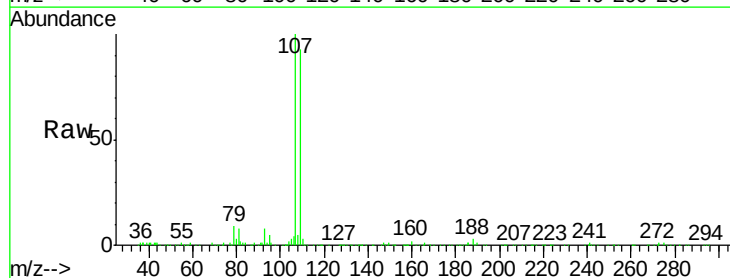
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC020

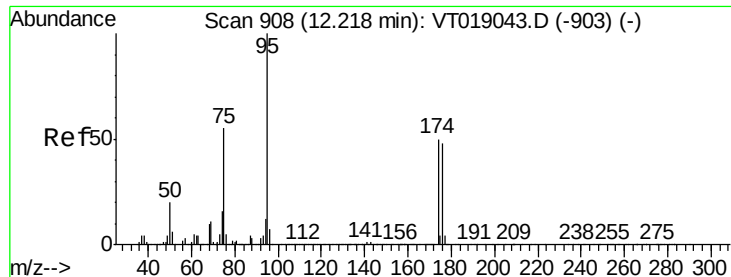
Tot Ion:129 Resp: 163867
Ion Ratio Lower Upper
129 100
127 75.0 37.3 111.8



#60
1,2-Dibromoethane
Concen: 19.16 ug/l
RT: 10.82 min Scan# 790
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

Tgt Ion:107 Resp: 133647
Ion Ratio Lower Upper
107 100
109 93.1 74.3 111.5





#61

4-Bromofluorobenzene

Concen: 23.19 ug/l

RT: 12.22 min Scan# 908

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

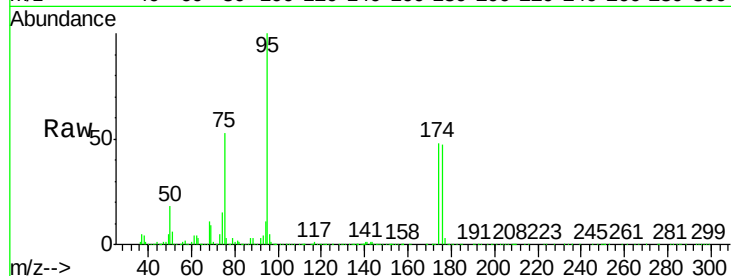
Tot Ion: 95 Resp: 348653

Ion Ratio Lower Upper

95 100

174 47.5 0.0 100.0

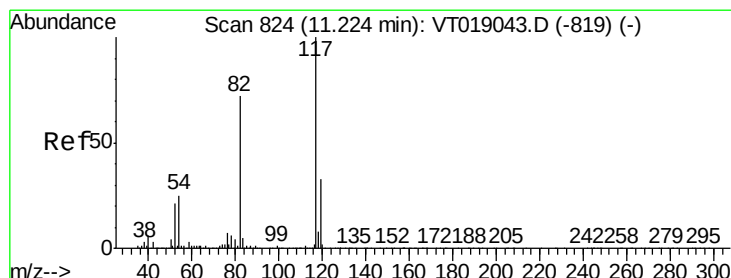
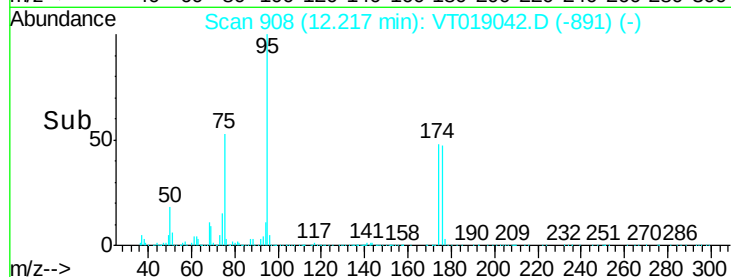
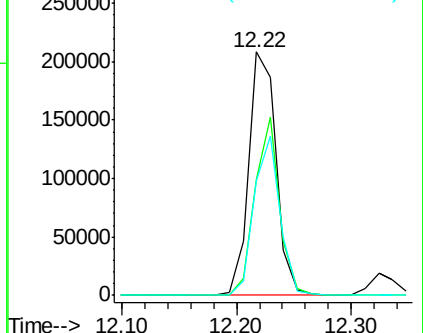
176 47.2 0.0 96.6



Abundance Ion 95.10 (94.80 to 95.80): VT0

Ion 174.00 (173.70 to 174.70): VT0

Ion 176.00 (175.70 to 176.70): VT0



#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.22 min Scan# 824

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

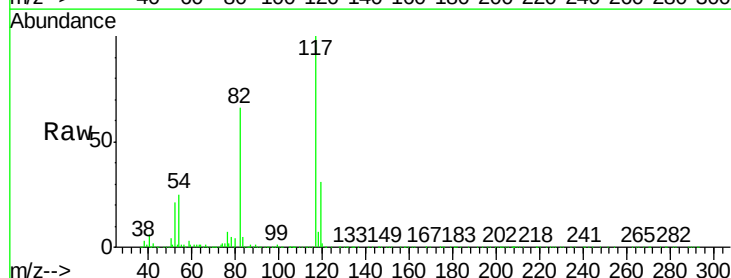
Tgt Ion: 117 Resp: 1576451

Ion Ratio Lower Upper

117 100

82 66.5 57.6 86.4

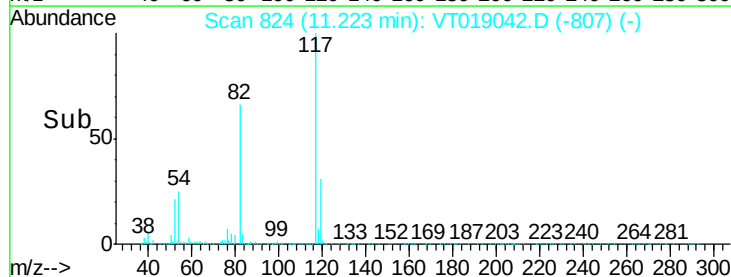
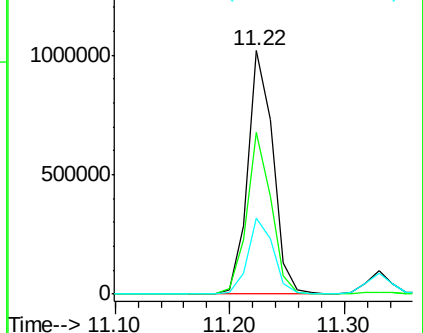
119 30.9 26.6 40.0

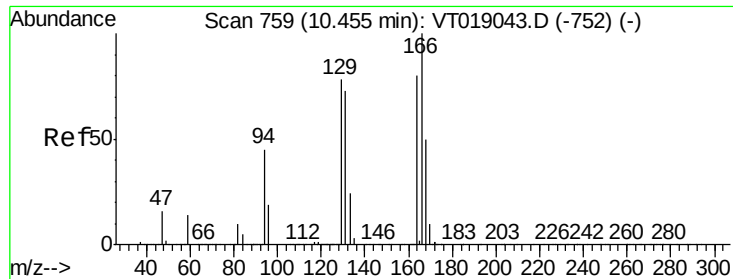


Abundance Ion 117.10 (116.80 to 117.80): VT0

Ion 82.10 (81.80 to 82.80): VT0

Ion 119.10 (118.80 to 119.80): VT0





#63

Tetrachloroethene

Concen: 17.86 ug/l

RT: 10.45 min Scan# 759

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

Tot Ion:164 Resp: 205370

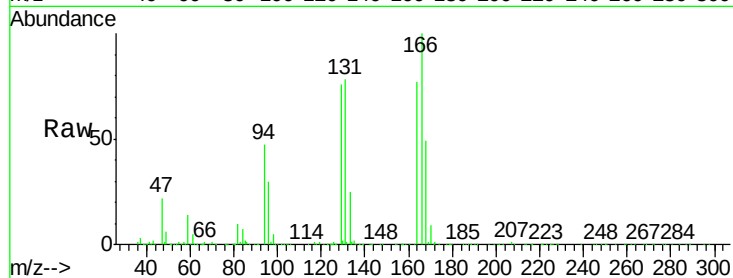
Ion Ratio Lower Upper

164 100

166 129.9 100.6 151.0

129 98.9 78.1 117.1

131 101.6 73.2 109.8

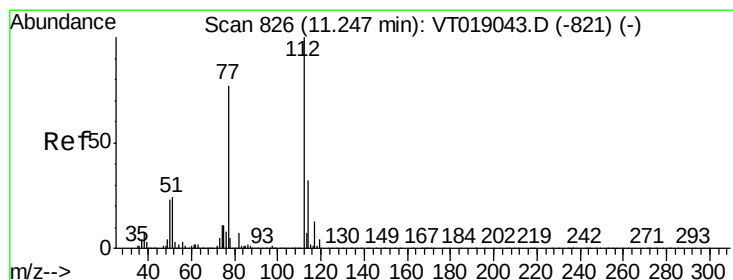
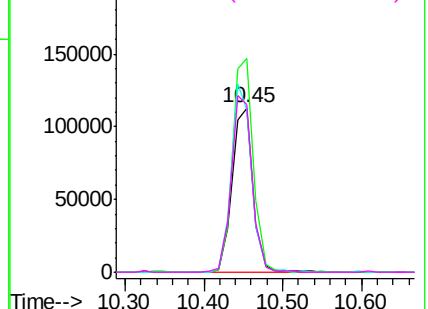
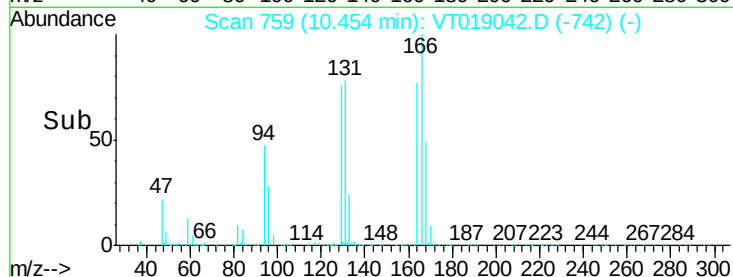


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#64

Chlorobenzene

Concen: 19.88 ug/l

RT: 11.25 min Scan# 826

Delta R.T. -0.00 min

Lab File: VT019042.D

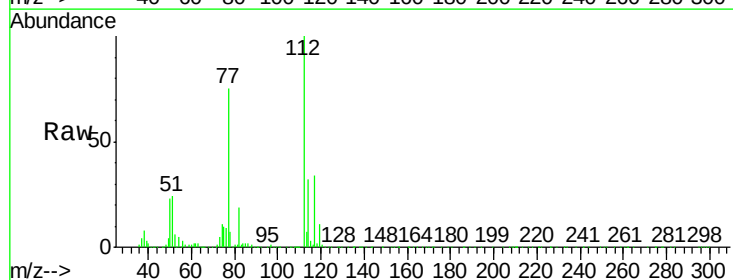
Acq: 8 May 2018 18:17

Tgt Ion:112 Resp: 674888

Ion Ratio Lower Upper

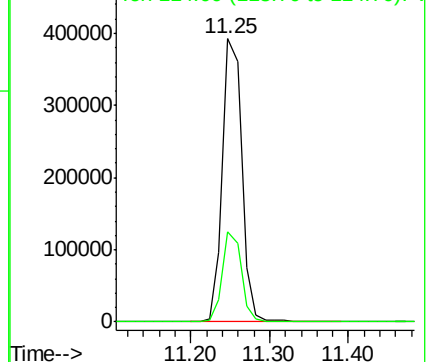
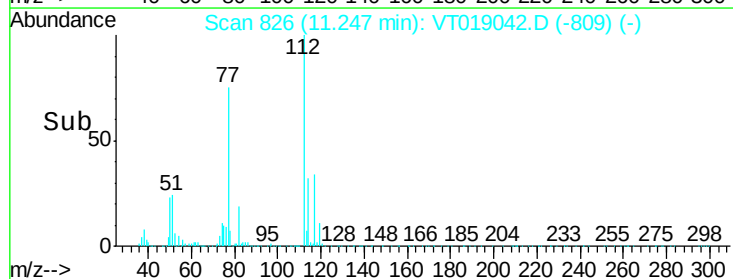
112 100

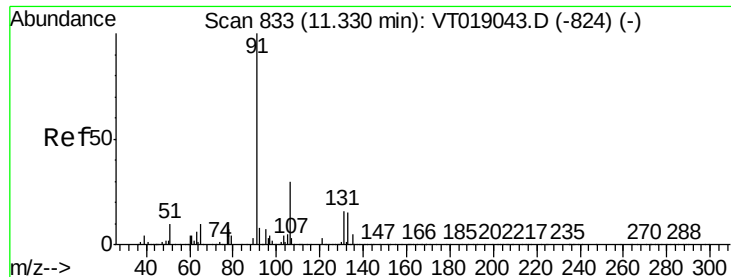
114 31.9 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 19.44 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

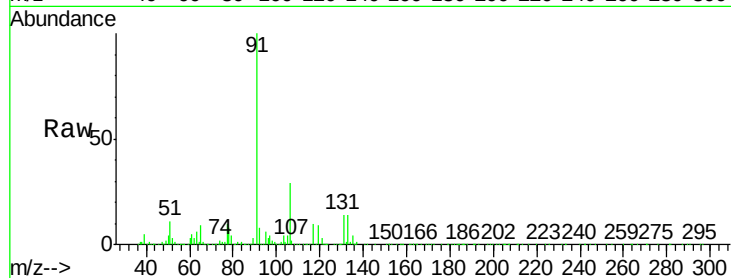
Tot Ion:131 Resp: 207568

Ion Ratio Lower Upper

131 100

133 93.9 47.8 143.3

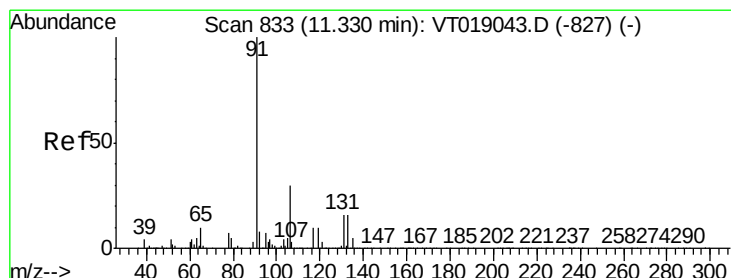
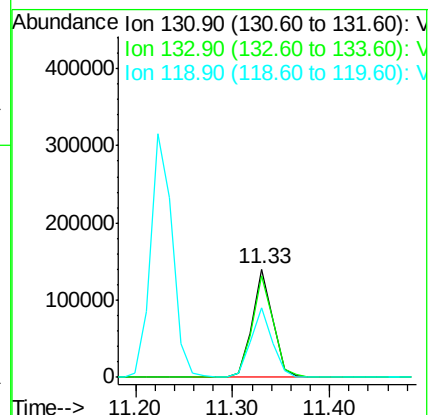
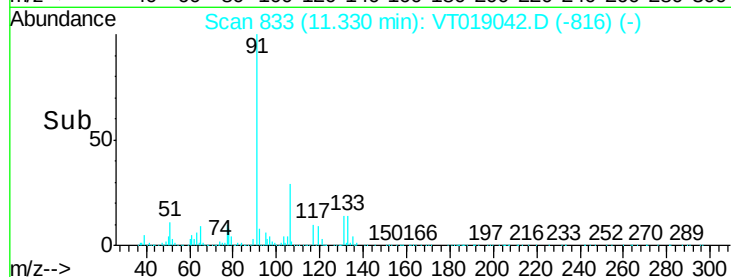
119 64.3 31.8 95.4



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.90 (118.60 to 119.60): V



#66

Ethyl Benzene

Concen: 23.21 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019042.D

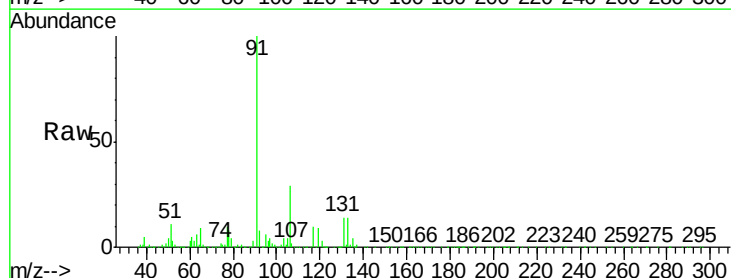
Acq: 8 May 2018 18:17

Tgt Ion: 91 Resp: 1375212

Ion Ratio Lower Upper

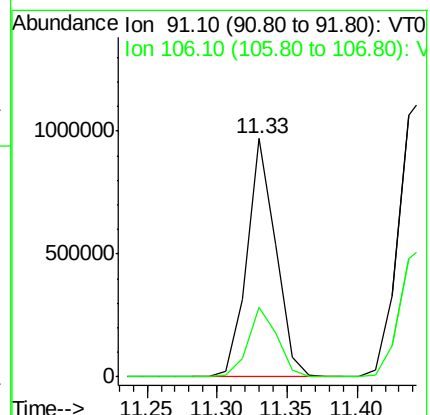
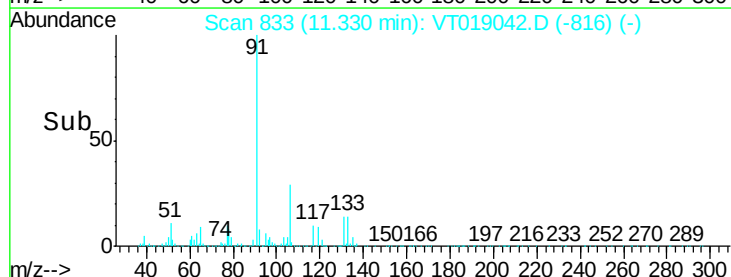
91 100

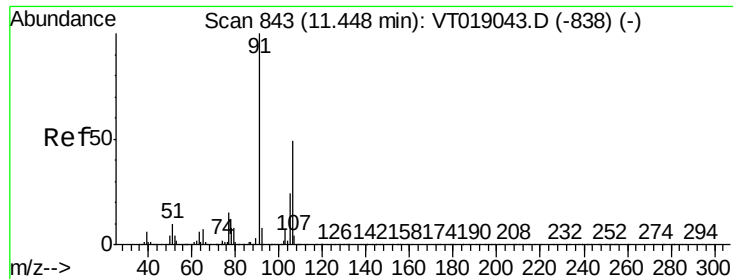
106 29.2 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 106.10 (105.80 to 106.80): V

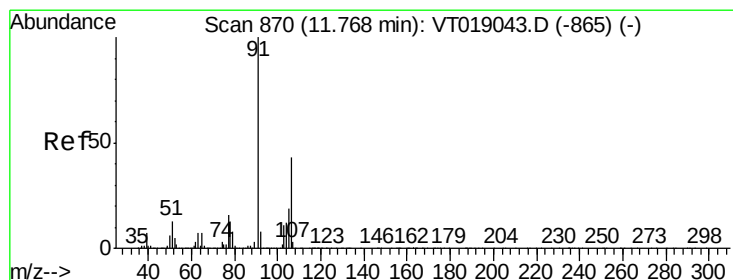
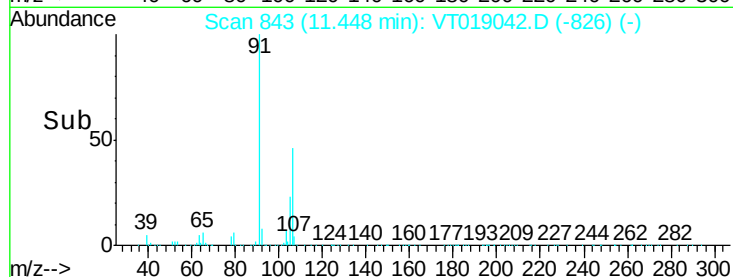
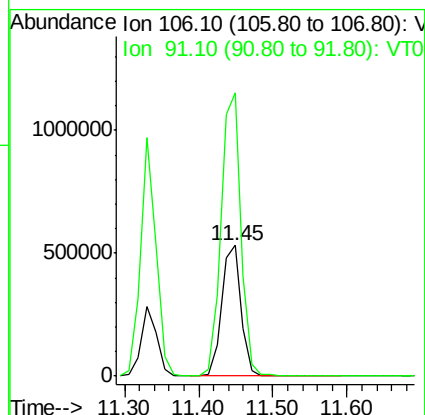
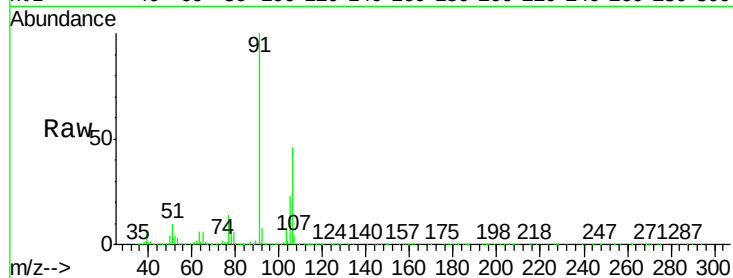




#67
m/p-Xylenes
Concen: 41.30 ug/l
RT: 11.45 min Scan# 843
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

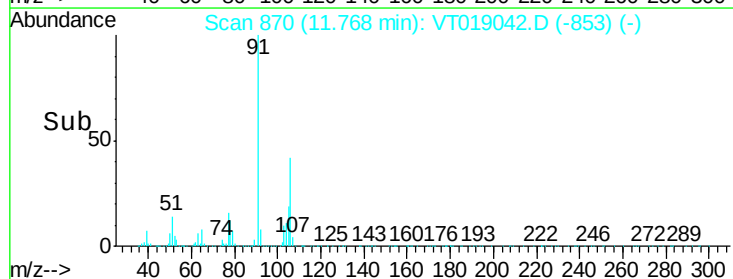
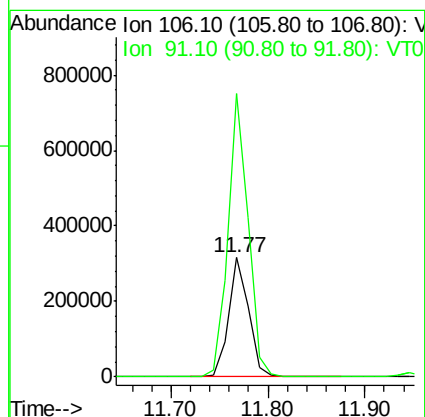
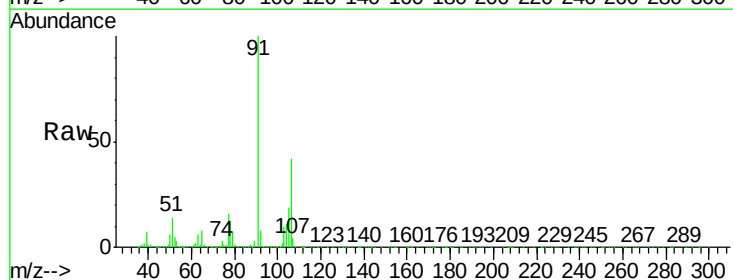
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC020

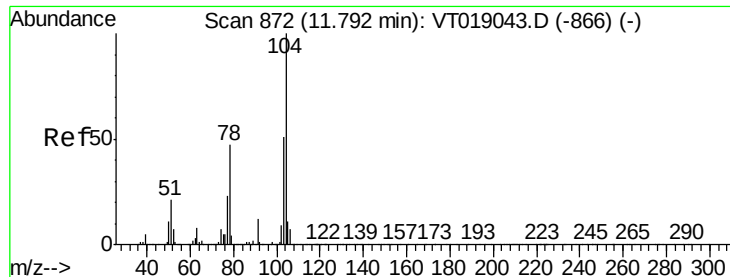
Tot Ion:106 Resp: 977379
Ion Ratio Lower Upper
106 100
91 216.9 162.2 243.4



#68
o-Xylene
Concen: 20.79 ug/l
RT: 11.77 min Scan# 870
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

Tgt Ion:106 Resp: 448261
Ion Ratio Lower Upper
106 100
91 237.7 116.0 348.0

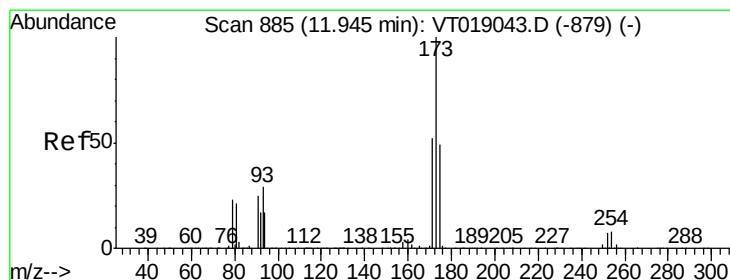
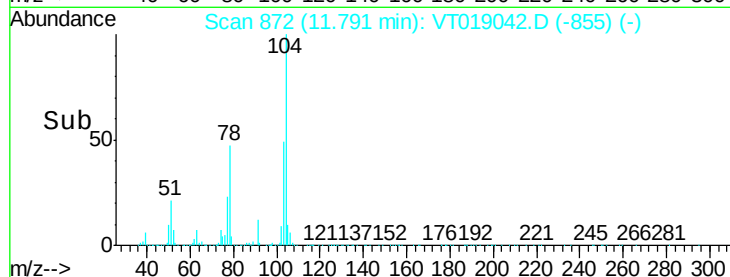
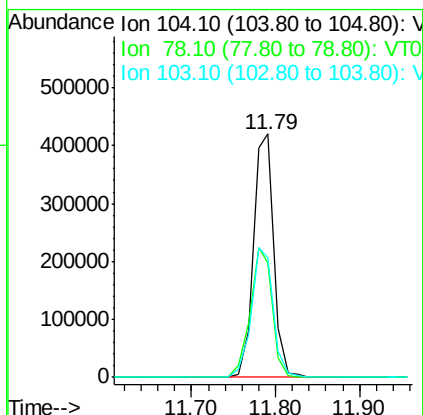
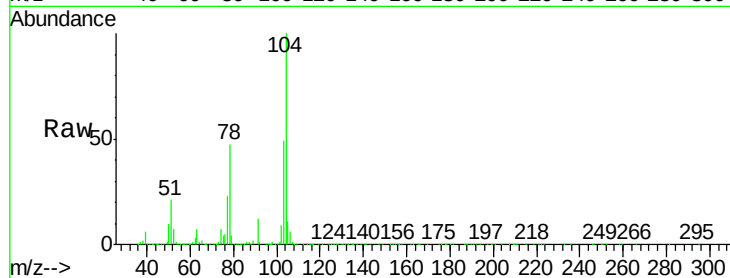




#69
Stvrene
Concen: 19.91 ug/l
RT: 11.79 min Scan# 872
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

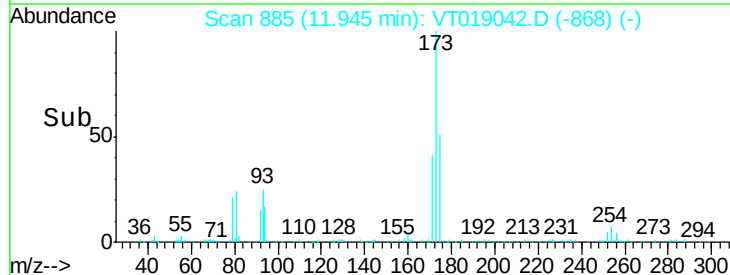
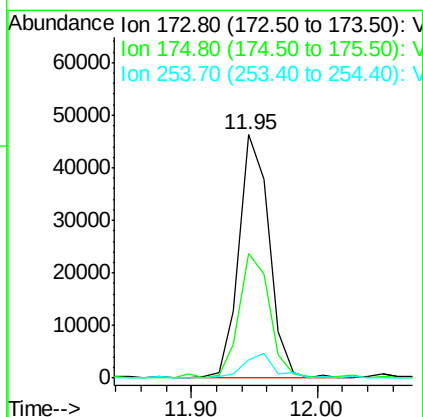
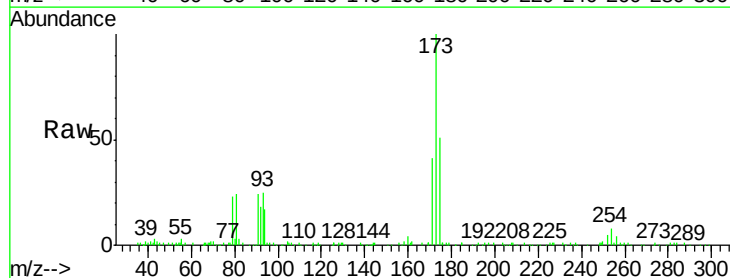
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC020

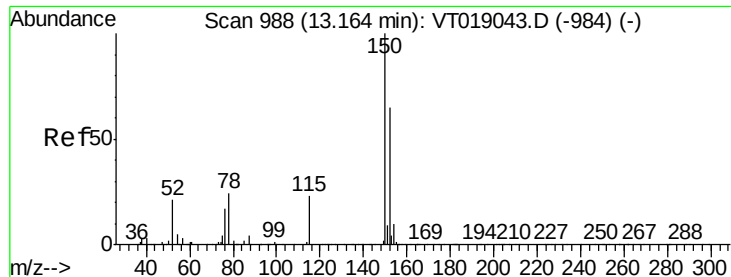
Tot Ion:104 Resp: 714926
Ion Ratio Lower Upper
104 100
78 47.1 38.0 57.0
103 49.0 40.6 61.0



#70
Bromoform
Concen: 14.21 ug/l
RT: 11.95 min Scan# 885
Delta R.T. -0.00 min
Lab File: VT019042.D
Acq: 8 May 2018 18:17

Tgt Ion:173 Resp: 77143
Ion Ratio Lower Upper
173 100
175 51.0 24.6 73.8
254 7.7 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: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

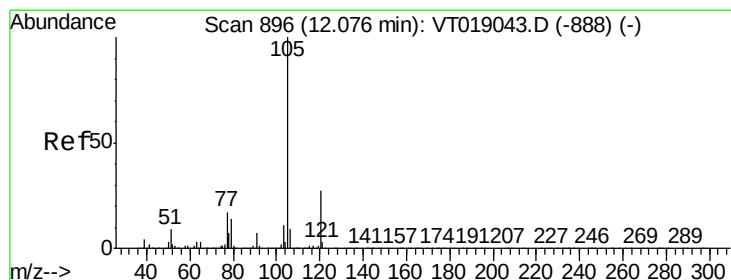
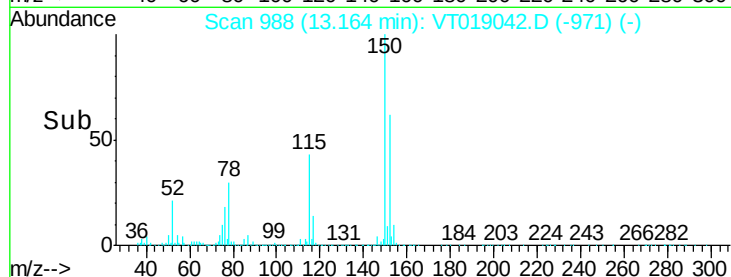
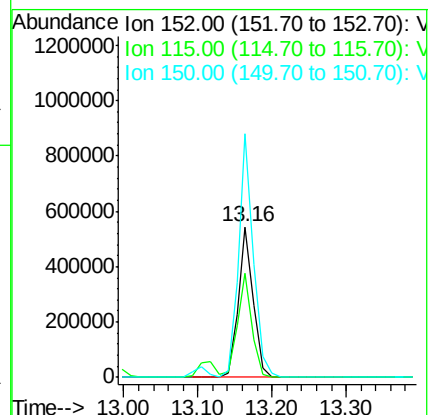
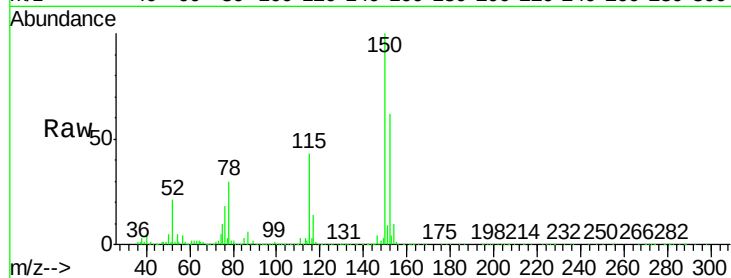
Tot Ion:152 Resp: 772095

Ion Ratio Lower Upper

152 100

115 69.2 34.2 102.6

150 161.5 0.0 321.2



#72

Isopropylbenzene

Concen: 24.06 ug/l

RT: 12.08 min Scan# 896

Delta R.T. -0.00 min

Lab File: VT019042.D

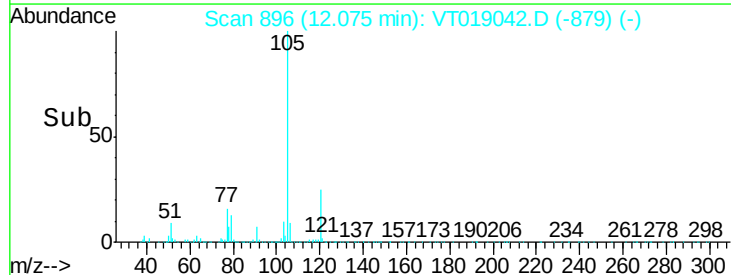
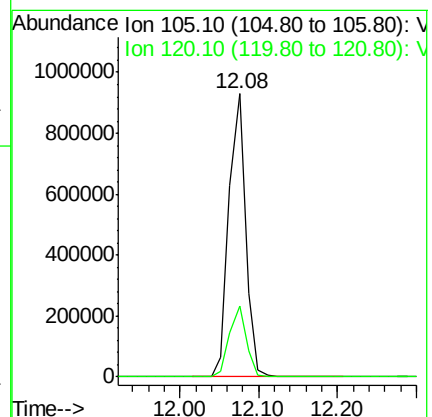
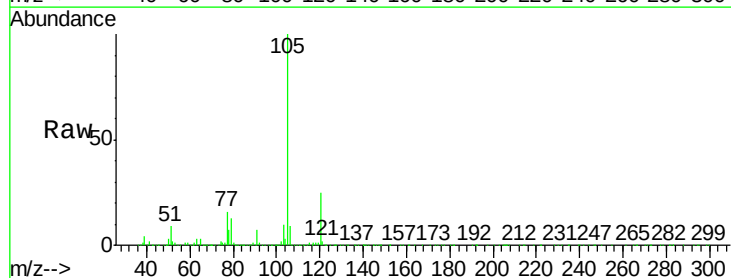
Acq: 8 May 2018 18:17

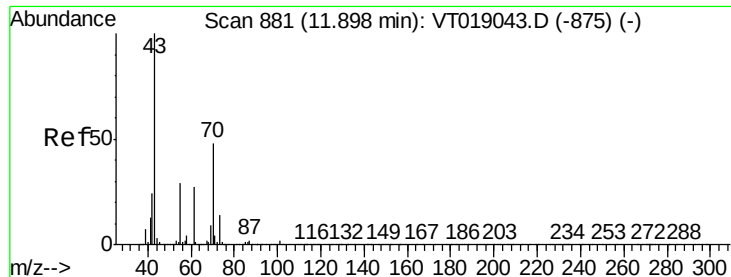
Tgt Ion:105 Resp: 1371599

Ion Ratio Lower Upper

105 100

120 25.2 13.6 40.8





#73

N-amvl acetate

Concen: 18.43 ug/l

RT: 11.90 min Scan# 881

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 200906

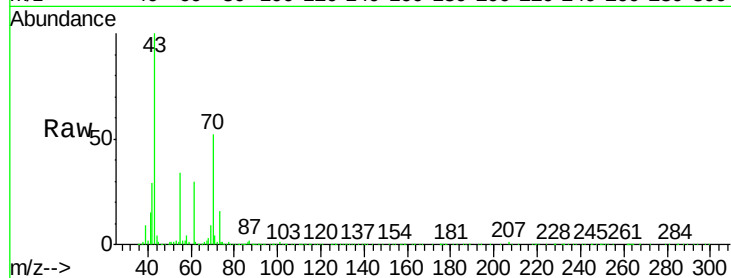
Ion Ratio Lower Upper

43 100

70 51.8 38.2 57.4

55 33.5 23.5 35.3

61 29.5 21.7 32.5

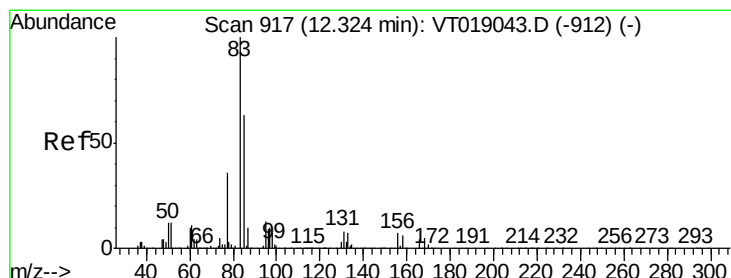
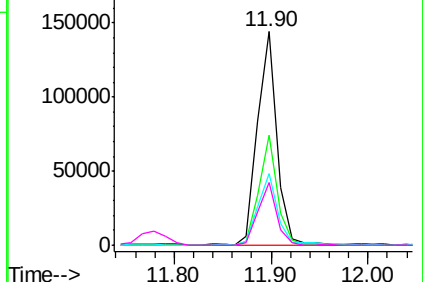
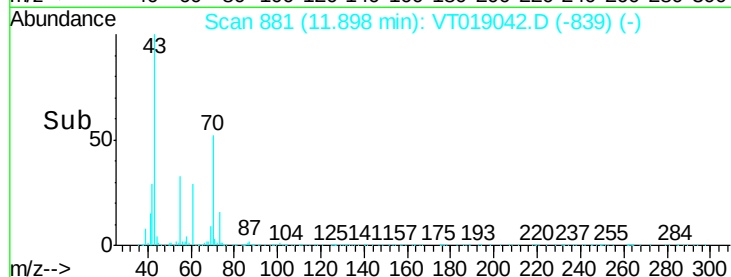


Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 70.10 (69.80 to 70.80): VT0

Ion 55.10 (54.80 to 55.80): VT0

Ion 61.10 (60.80 to 61.80): VT0



#74

1,1,2,2-Tetrachloroethane

Concen: 20.78 ug/l

RT: 12.32 min Scan# 917

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

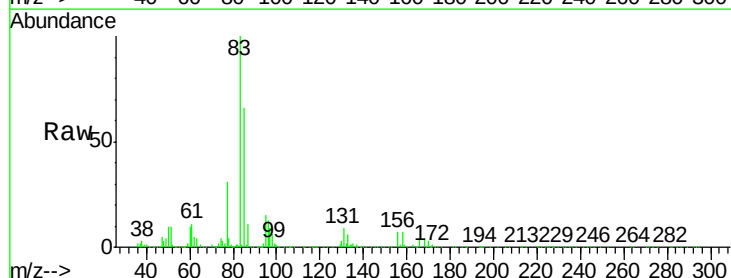
Tgt Ion: 83 Resp: 180642

Ion Ratio Lower Upper

83 100

131 8.9 4.0 12.2

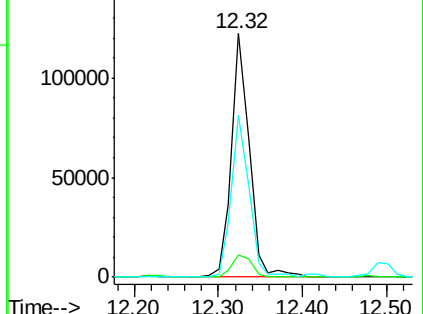
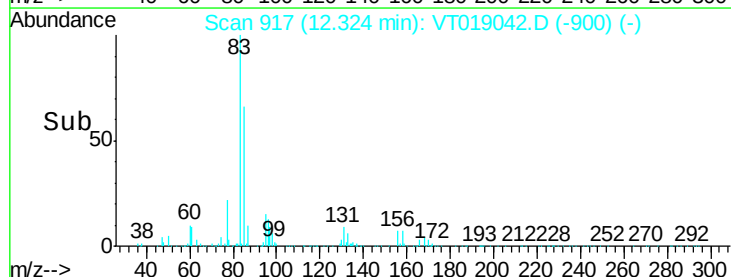
85 66.5 31.4 94.3

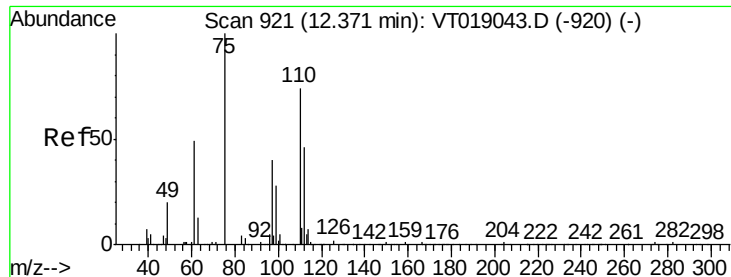


Abundance Ion 83.00 (82.70 to 83.70): VT0

Ion 131.00 (130.70 to 131.70): VT0

Ion 85.00 (84.70 to 85.70): VT0





#75

1,2,3-Trichloropropane

Concen: 22.64 ug/l m

RT: 12.37 min Scan# 921

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

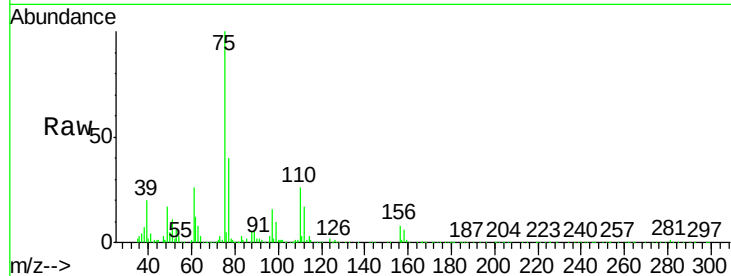
VSTDIC020

Tot Ion: 75 Resp: 138114

Ion Ratio Lower Upper

75 100

77 39.6 21.1 63.1



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 77.10 (76.80 to 77.80): VT0

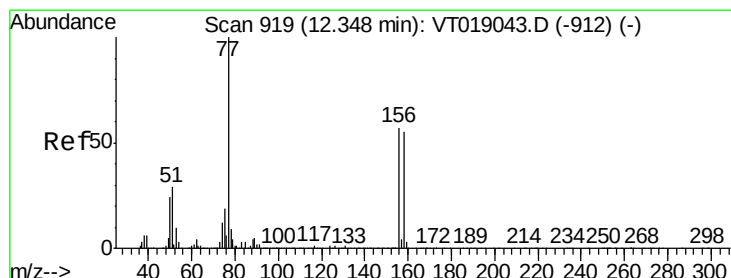
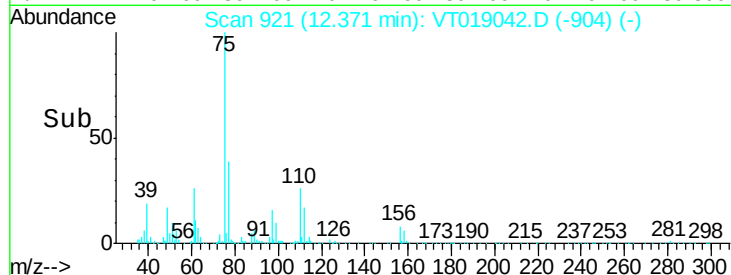
300000

200000

100000

0

Time-->



#76

Bromobenzene

Concen: 19.22 ug/l

RT: 12.35 min Scan# 919

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

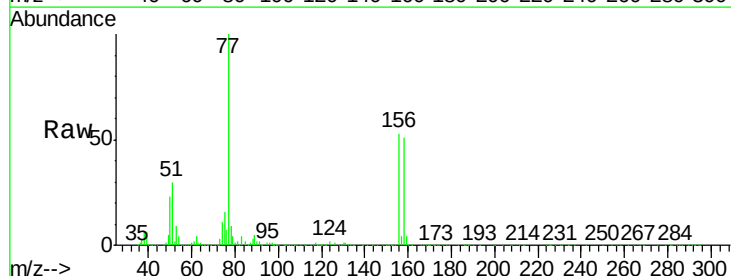
Tgt Ion: 156 Resp: 243379

Ion Ratio Lower Upper

156 100

77 186.9 87.8 263.4

158 95.1 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

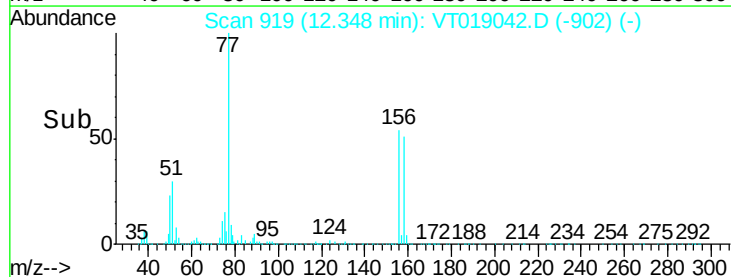
300000

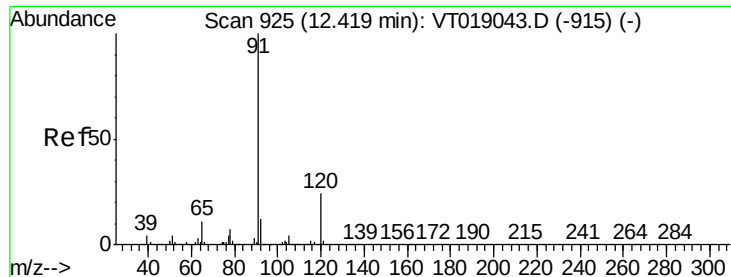
200000

100000

0

Time-->





#77

n-propylbenzene

Concen: 25.32 ug/l

RT: 12.42 min Scan# 925

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

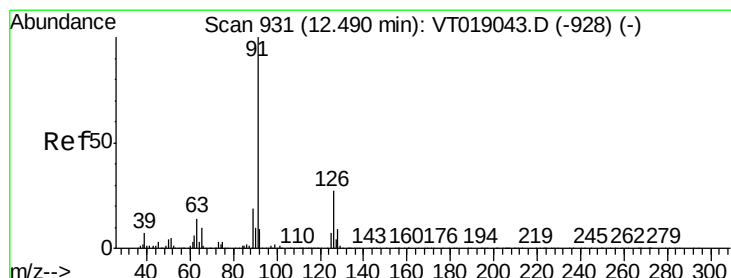
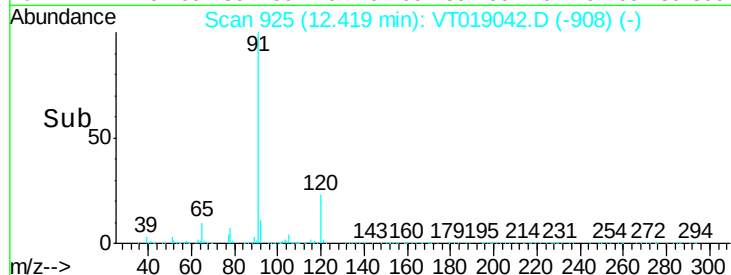
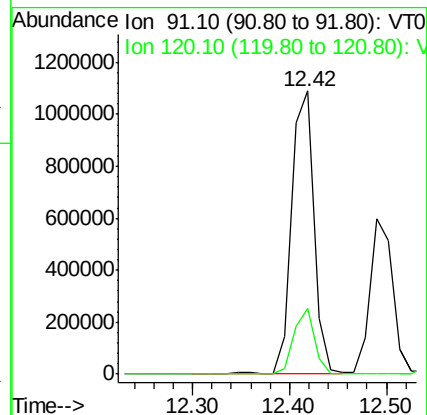
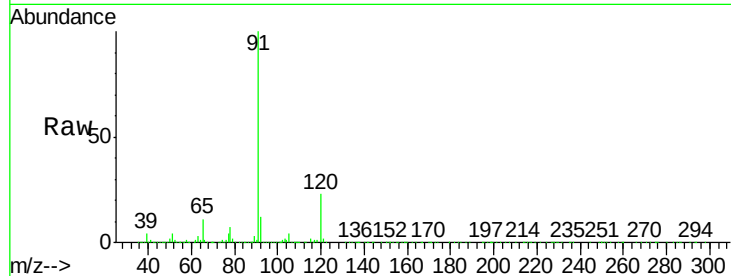
VSTDIC020

Tot Ion: 91 Resp: 1741568

Ion Ratio Lower Upper

91 100

120 23.2 12.0 36.1



#78

2-Chlorotoluene

Concen: 24.92 ug/l

RT: 12.49 min Scan# 931

Delta R.T. -0.00 min

Lab File: VT019042.D

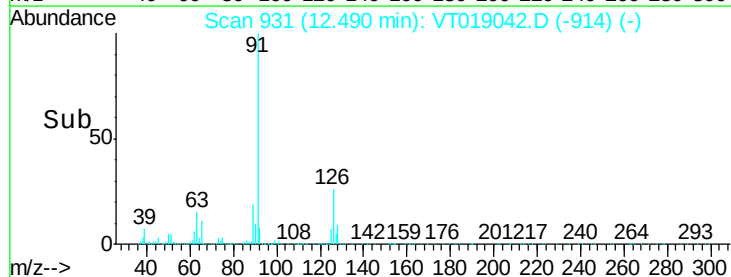
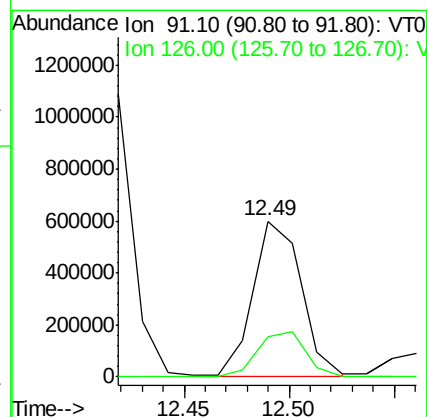
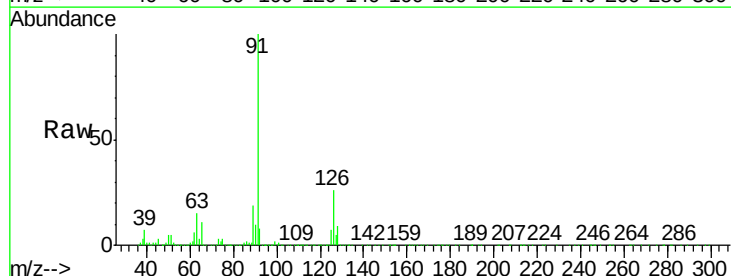
Acq: 8 May 2018 18:17

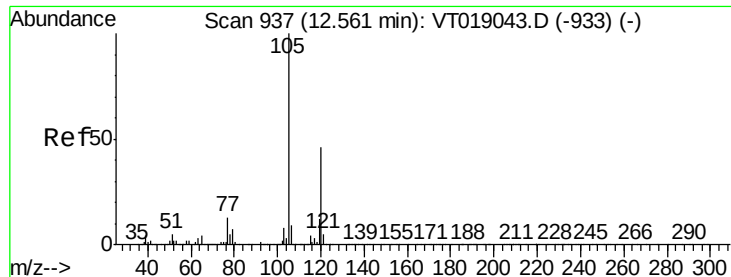
Tgt Ion: 91 Resp: 962594

Ion Ratio Lower Upper

91 100

126 26.2 13.5 40.5

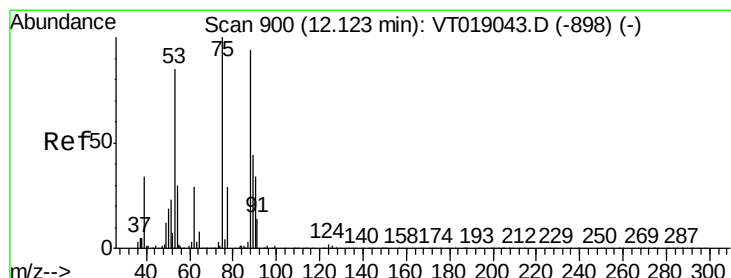
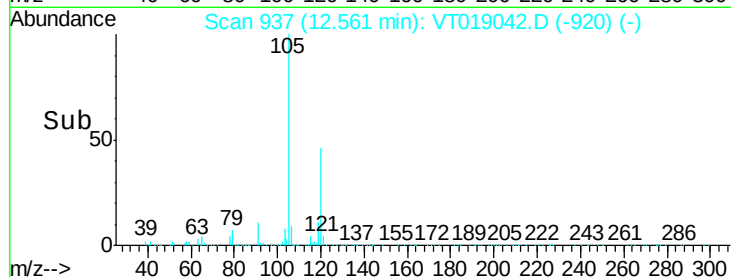
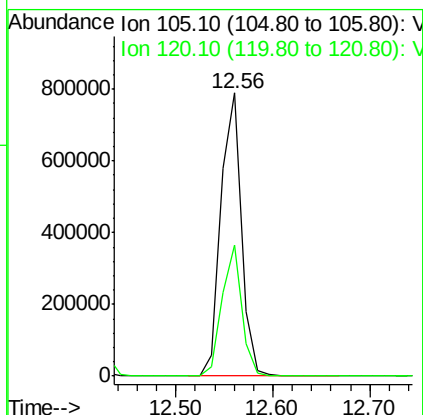
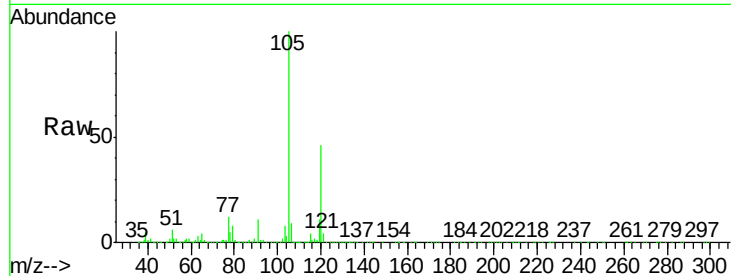




#79
 1,3,5-Trimethylbenzene
 Concen: 23.62 ug/l
 RT: 12.56 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VT019042.D
 Acq: 8 May 2018 18:17

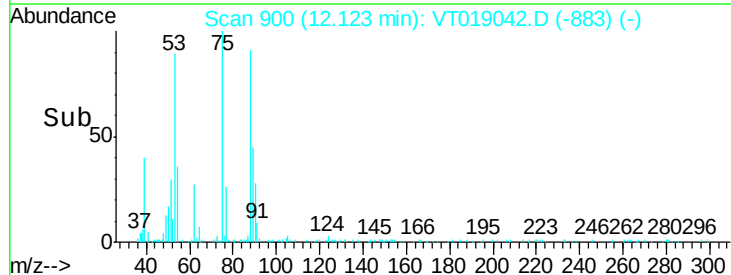
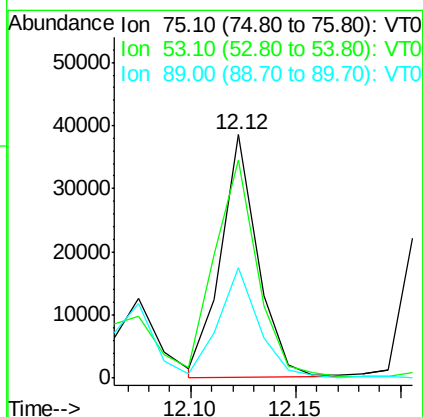
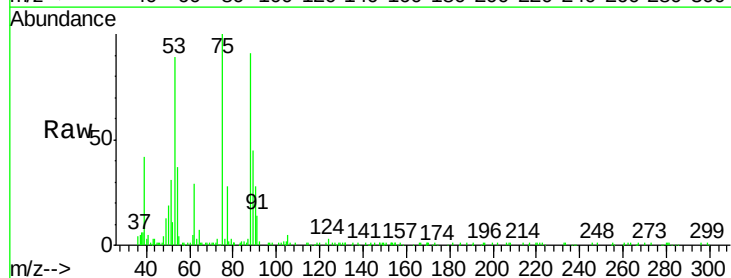
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC020

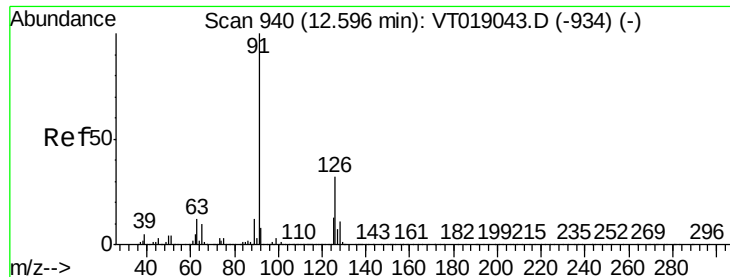
Tot Ion:105 Resp: 1158344
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.2 69.5



#80
 trans-1,4-Dichloro-2-butene
 Concen: 17.57 ug/l
 RT: 12.12 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VT019042.D
 Acq: 8 May 2018 18:17

Tgt Ion: 75 Resp: 46756
 Ion Ratio Lower Upper
 75 100
 53 89.5 70.8 106.2
 89 45.4 35.8 53.8





#81

4-Chlorotoluene

Concen: 25.14 ug/l

RT: 12.60 min Scan# 940

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

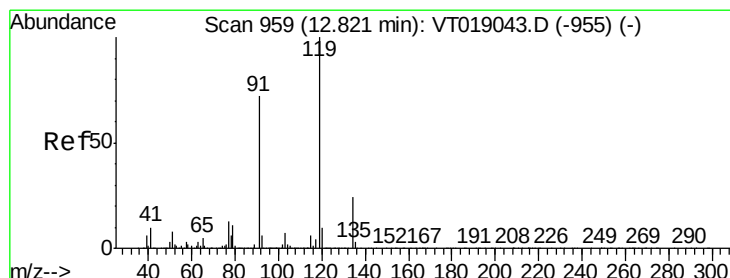
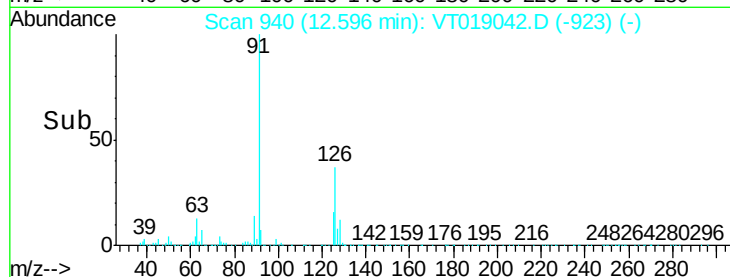
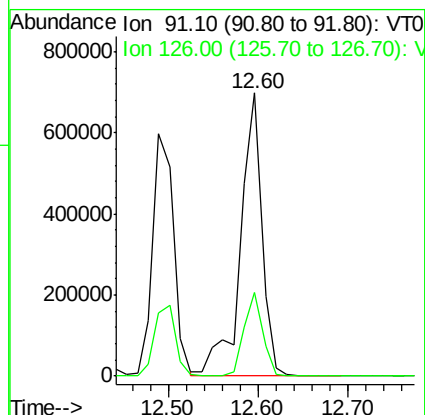
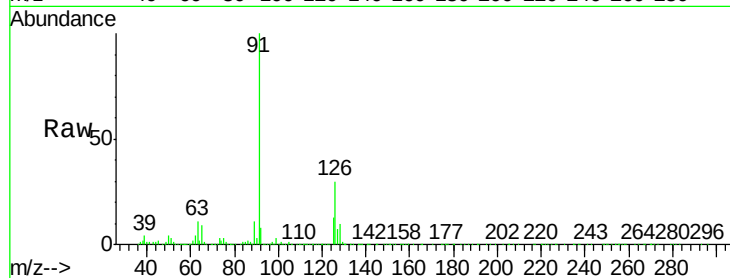
VSTDIC020

Tot Ion: 91 Resp: 1165943

Ion Ratio Lower Upper

91 100

126 29.7 16.0 47.9



#82

tert-Butylbenzene

Concen: 22.65 ug/l m

RT: 12.82 min Scan# 959

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

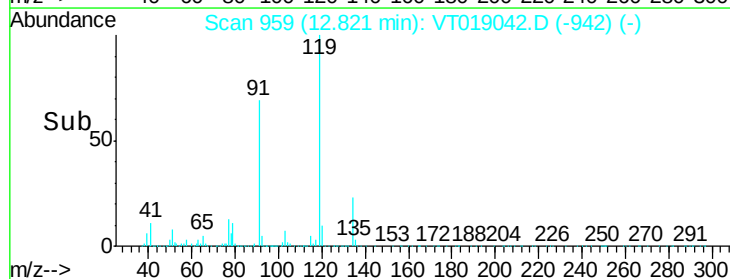
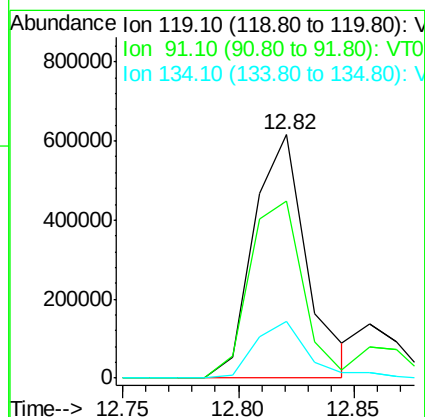
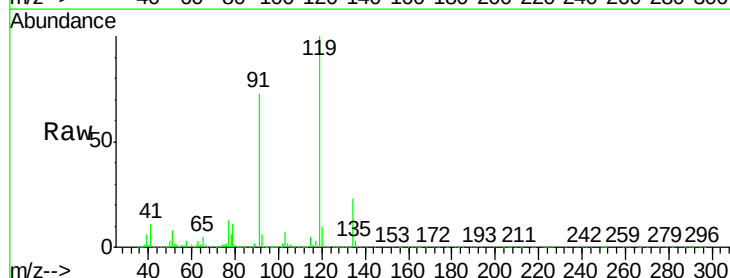
Tgt Ion: 119 Resp: 986083

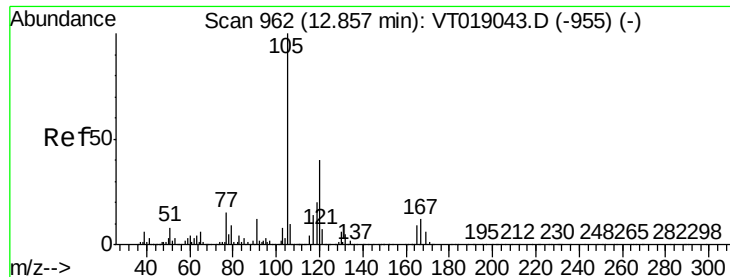
Ion Ratio Lower Upper

119 100

91 72.9 36.1 108.3

134 23.5 12.0 36.1





#83

1,2,4-Trimethylbenzene

Concen: 24.27 ug/l

RT: 12.86 min Scan# 962

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

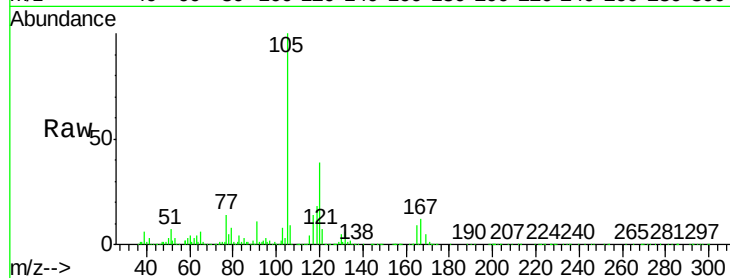
VSTDIC020

Tot Ion:105 Resp: 1201459

Ion Ratio Lower Upper

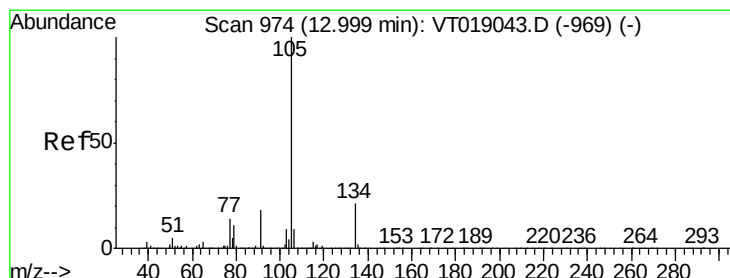
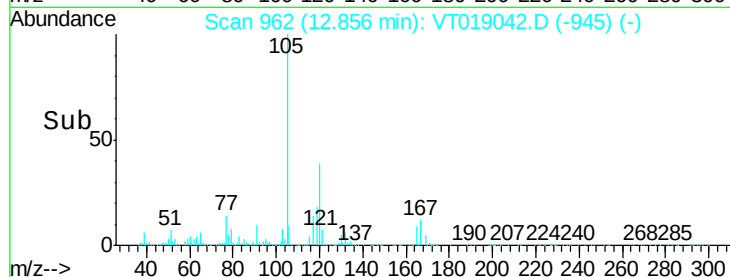
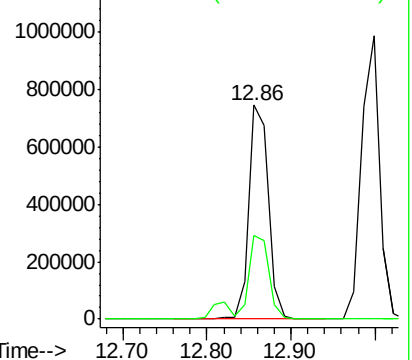
105 100

120 39.3 20.0 59.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V



#84

sec-Butylbenzene

Concen: 24.14 ug/l

RT: 13.00 min Scan# 974

Delta R.T. -0.00 min

Lab File: VT019042.D

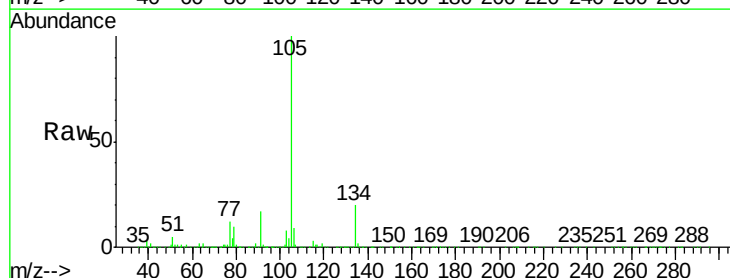
Acq: 8 May 2018 18:17

Tgt Ion:105 Resp: 1488897

Ion Ratio Lower Upper

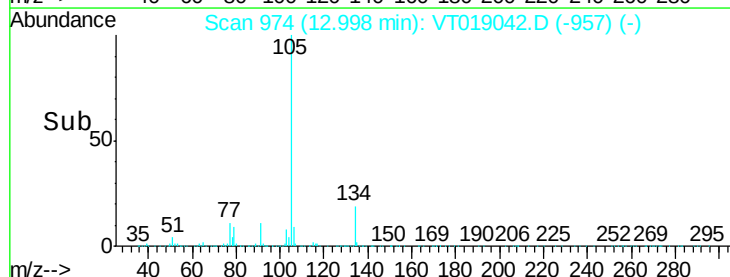
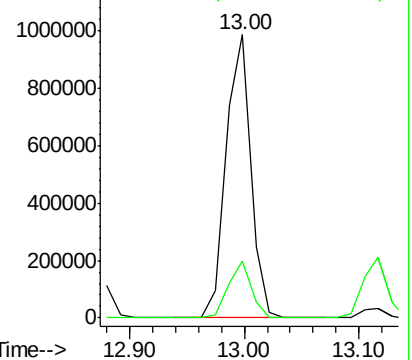
105 100

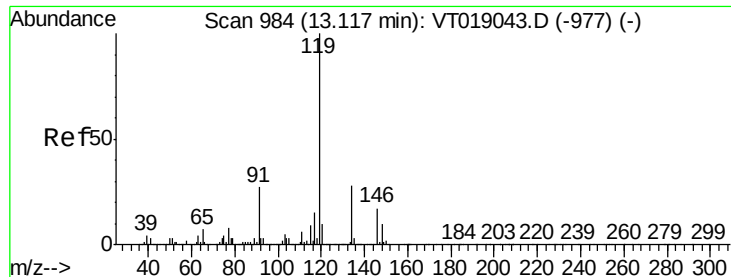
134 20.0 10.4 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.10 (133.80 to 134.80): V

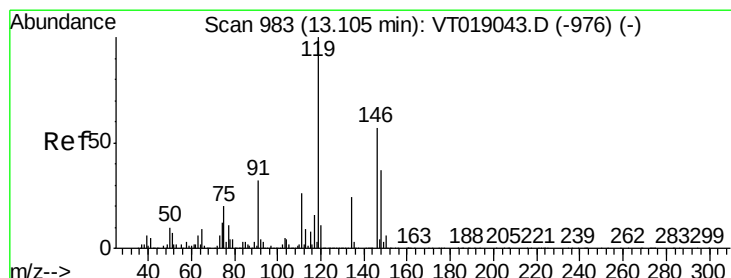
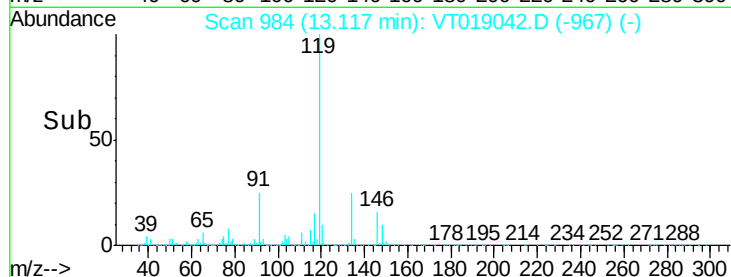
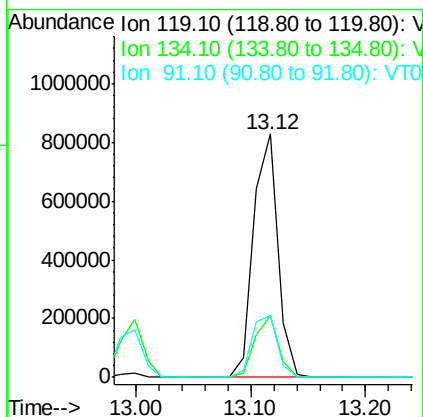
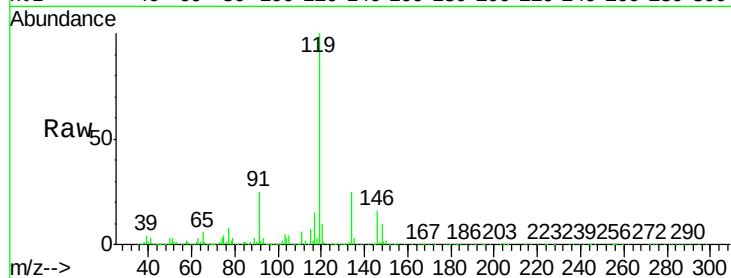




#85
 p-Isopropyltoluene
 Concen: 22.73 ug/l
 RT: 13.12 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VT019042.D
 Acq: 8 May 2018 18:17

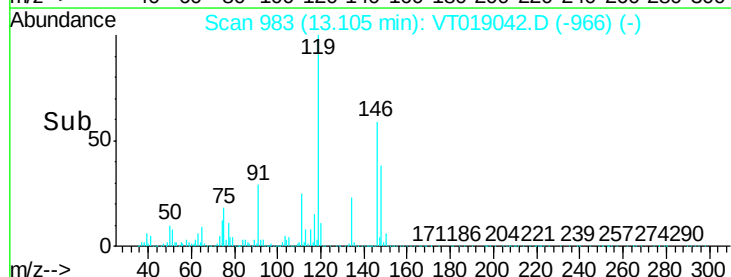
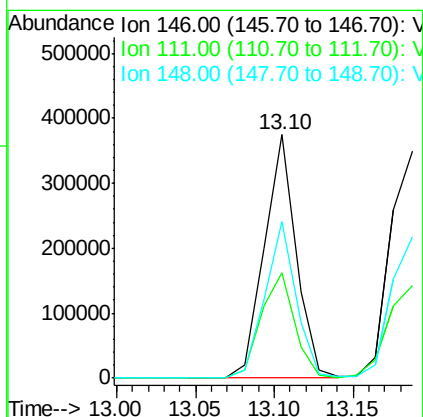
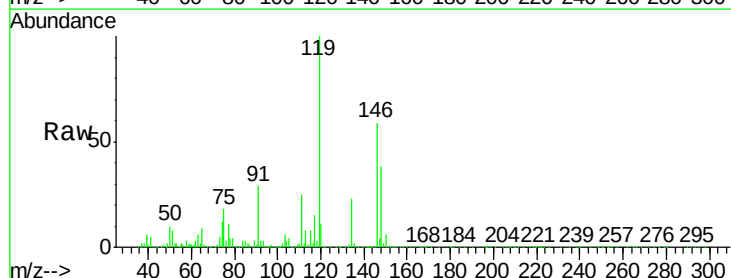
Instrument :
 MSVOA_T
 ClientSampled :
 VSTDIC020

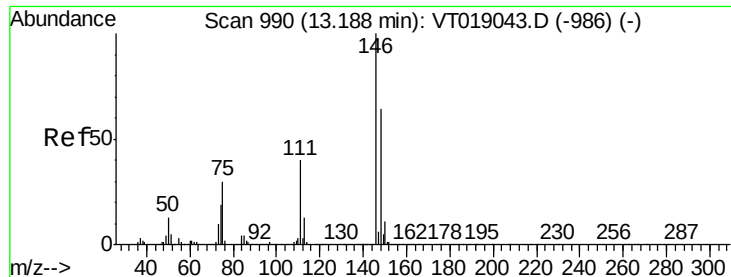
Tot Ion:119 Resp: 1232486
 Ion Ratio Lower Upper
 119 100
 134 25.4 14.1 42.3
 91 25.3 13.5 40.4



#86
 1,3-Dichlorobenzene
 Concen: 20.05 ug/l
 RT: 13.10 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VT019042.D
 Acq: 8 May 2018 18:17

Tgt Ion:146 Resp: 527688
 Ion Ratio Lower Upper
 146 100
 111 43.1 23.1 69.2
 148 64.3 32.5 97.5

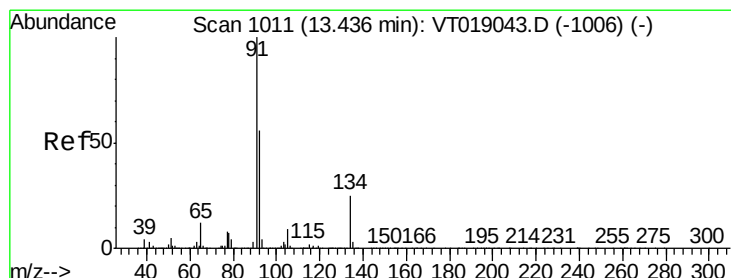
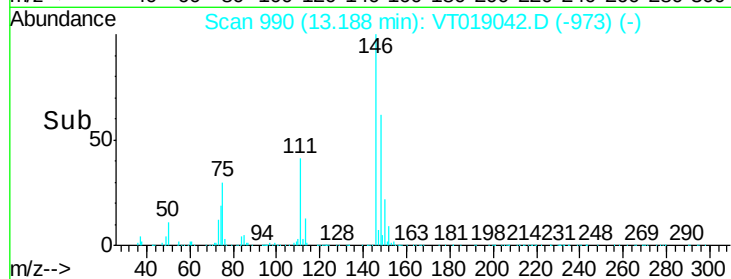
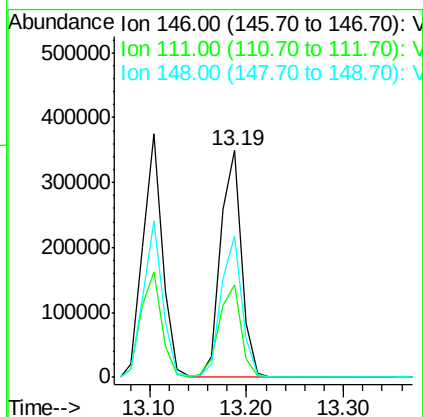
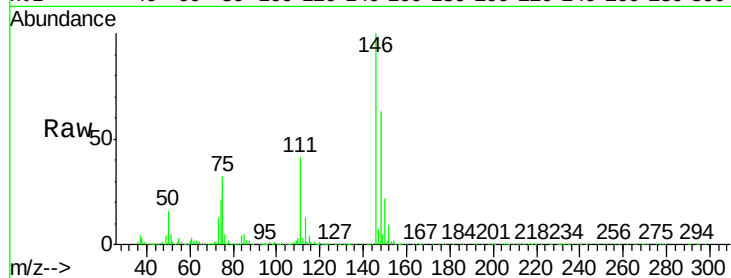




#87
 1,4-Dichlorobenzene
 Concen: 19.97 ug/l
 RT: 13.19 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VT019042.D
 Acq: 8 May 2018 18:17

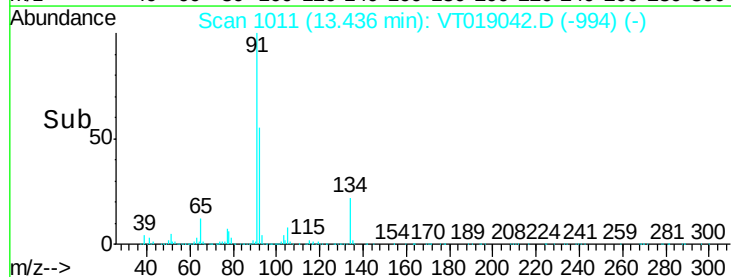
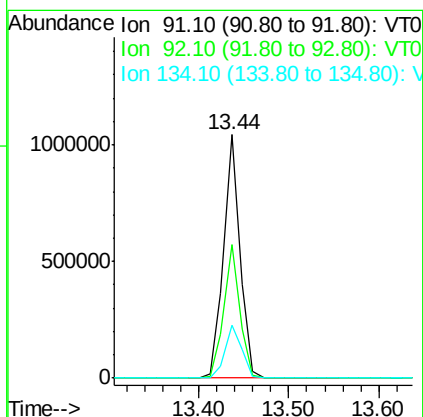
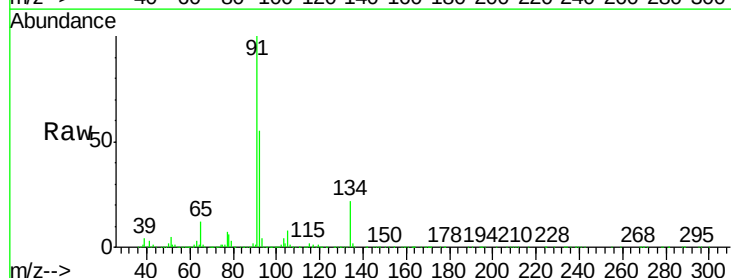
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC020

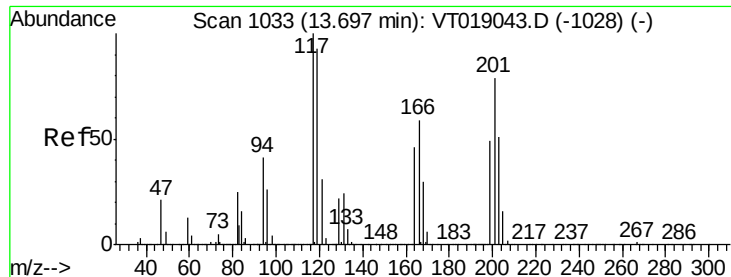
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	62.5	32.3	96.8



#88
 n-Butylbenzene
 Concen: 26.31 ug/l
 RT: 13.44 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VT019042.D
 Acq: 8 May 2018 18:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	28.0	84.0
134	21.6	12.4	37.0





#89

Hexachloroethane

Concen: 20.50 ug/l

RT: 13.70 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

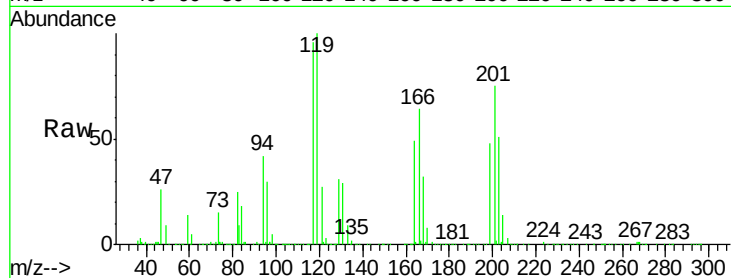
VSTDIC020

Tot Ion:117 Resp: 181452

Ion Ratio Lower Upper

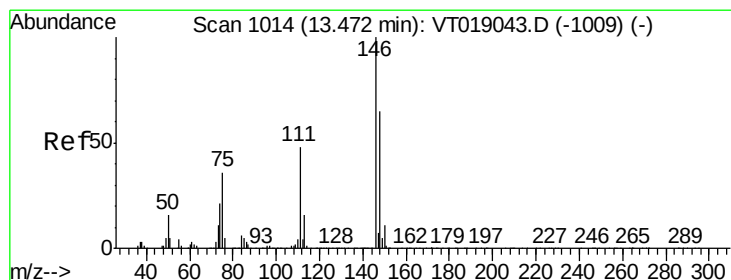
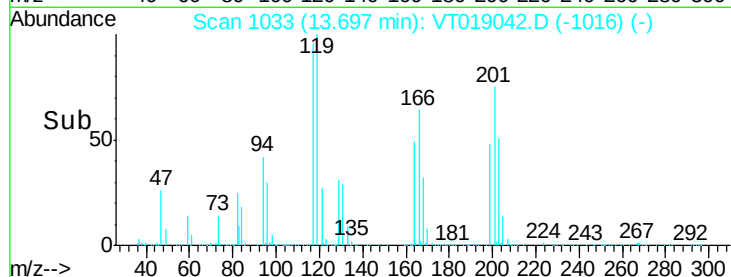
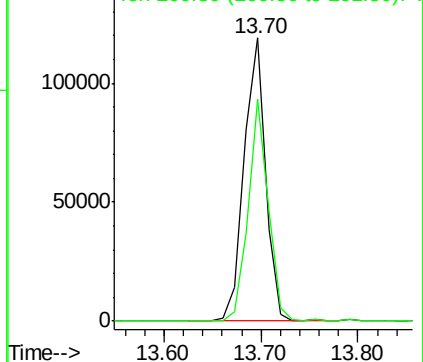
117 100

201 78.3 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: 19.38 ug/l

RT: 13.47 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

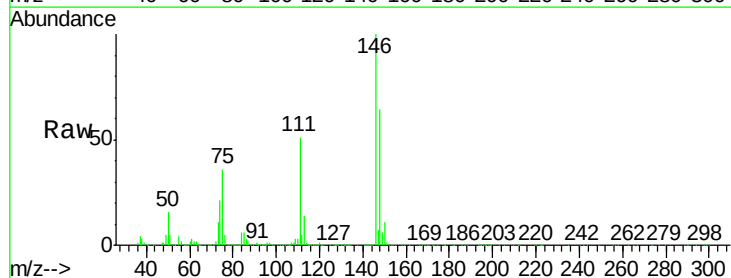
Tgt Ion:146 Resp: 439246

Ion Ratio Lower Upper

146 100

111 50.6 23.8 71.2

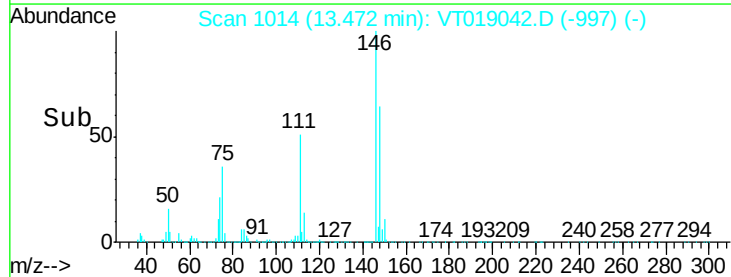
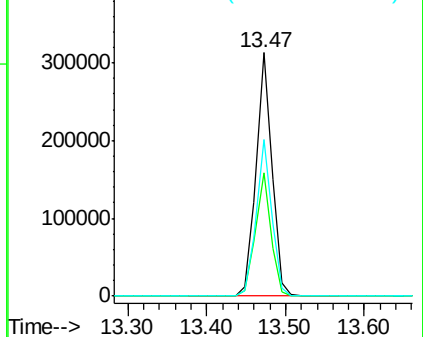
148 64.2 32.7 98.1

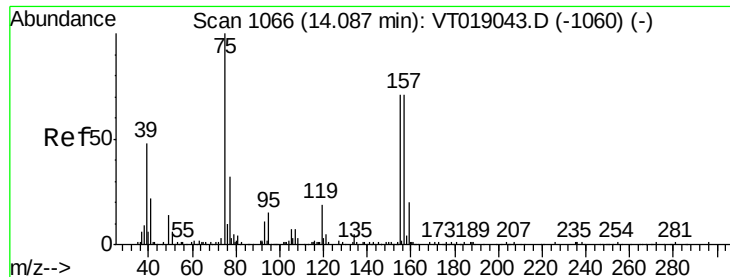


Abundance Ion 146.00 (145.70 to 146.70): V

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: 20.63 ug/l

RT: 14.09 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

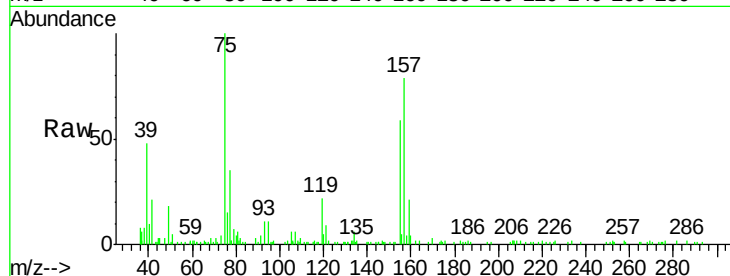
Tot Ion: 75 Resp: 27187

Ion	Ratio	Lower	Upper
75	100		
155	58.9	35.6	106.8
157	78.9	35.8	107.3

75 100

155 58.9 35.6 106.8

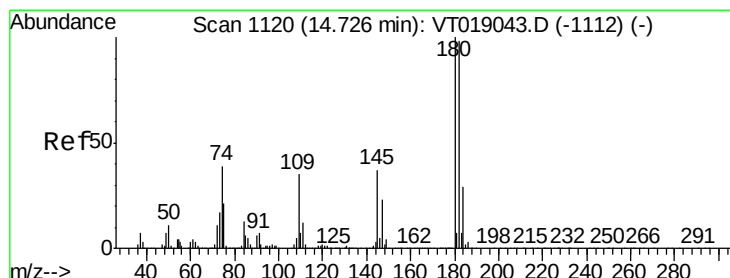
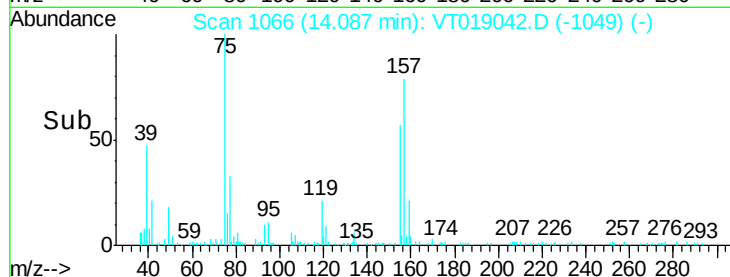
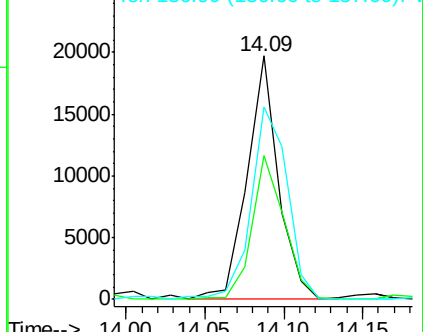
157 78.9 35.8 107.3



Abundance Ion 75.00 (74.70 to 75.70): VT019042.D (-1049) (-)

Ion 154.90 (154.60 to 155.60): VT019042.D (-1049) (-)

Ion 156.90 (156.60 to 157.60): VT019042.D (-1049) (-)



#92

1,2,4-Trichlorobenzene

Concen: 19.50 ug/l

RT: 14.73 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

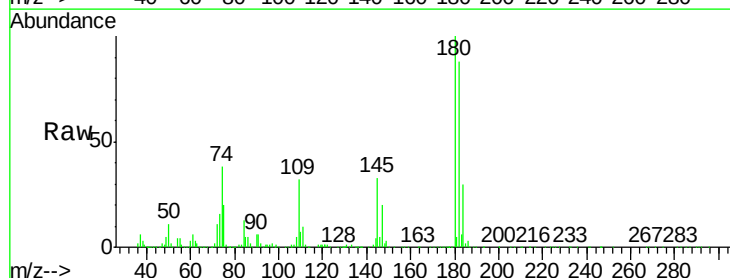
Tgt Ion: 180 Resp: 295641

Ion	Ratio	Lower	Upper
180	100		
182	88.4	49.0	147.0
145	32.5	18.3	54.9

180 100

182 88.4 49.0 147.0

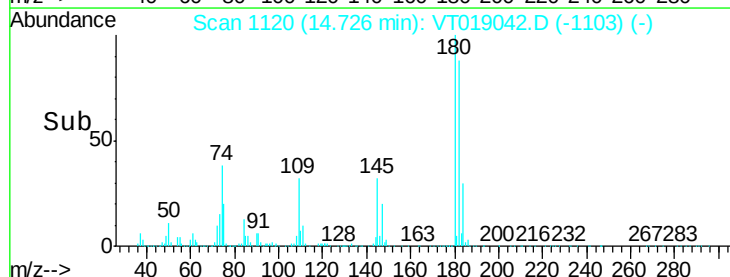
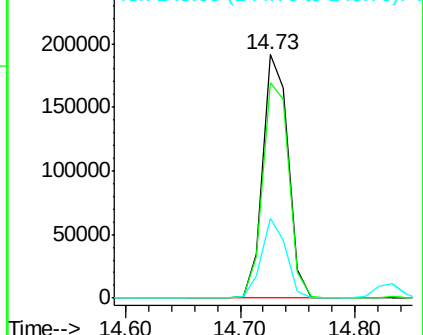
145 32.5 18.3 54.9

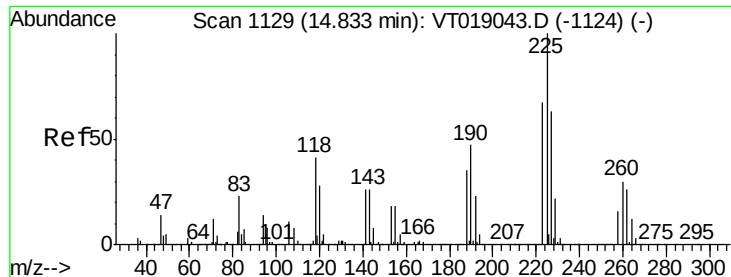


Abundance Ion 179.90 (179.60 to 180.60): VT019042.D (-1103) (-)

Ion 181.90 (181.60 to 182.60): VT019042.D (-1103) (-)

Ion 145.00 (144.70 to 145.70): VT019042.D (-1103) (-)





#93

Hexachlorobutadiene

Concen: 20.91 ug/l

RT: 14.83 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

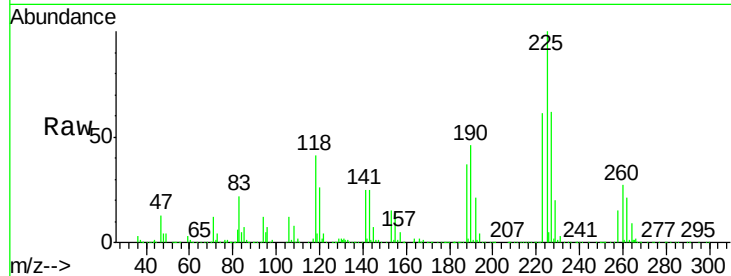
Tot Ion:225 Resp: 208487

Ion Ratio Lower Upper

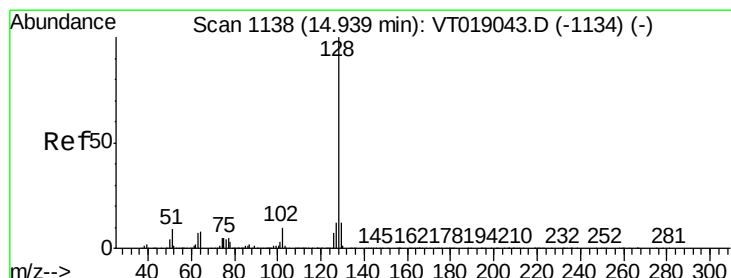
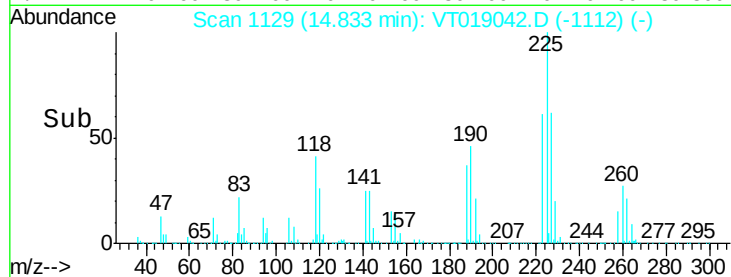
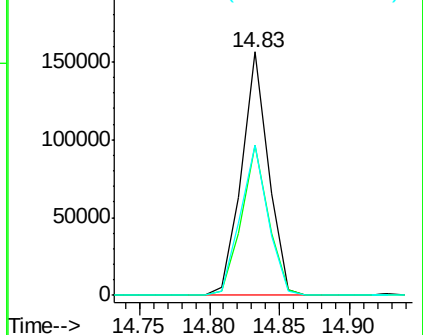
225 100

223 61.5 33.5 100.4

227 61.9 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: 18.96 ug/l

RT: 14.94 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

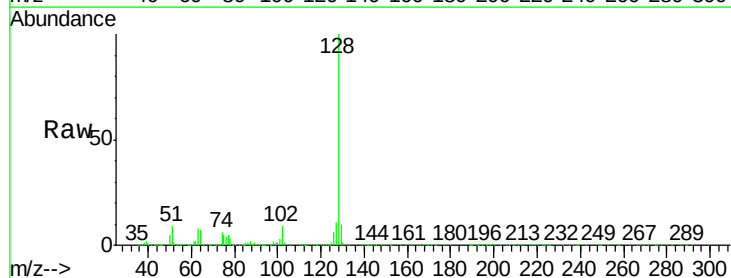
Tgt Ion:128 Resp: 472878

Ion Ratio Lower Upper

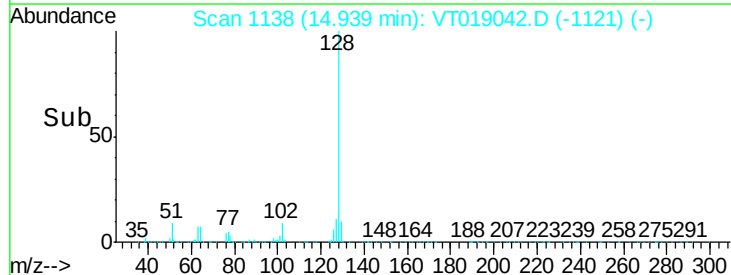
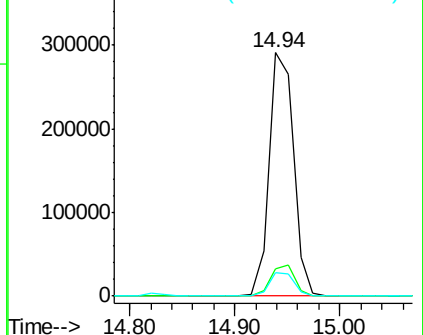
128 100

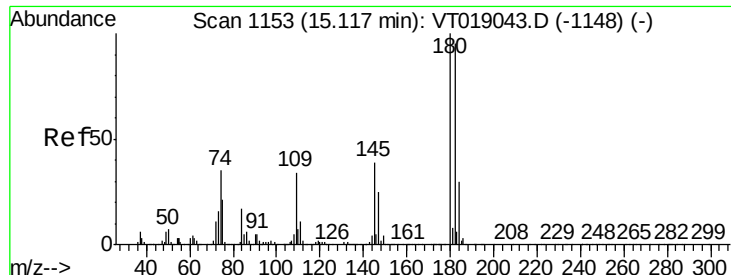
127 11.3 9.9 14.9

129 9.9 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: 18.06 ug/l

RT: 15.12 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VT019042.D

Acq: 8 May 2018 18:17

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

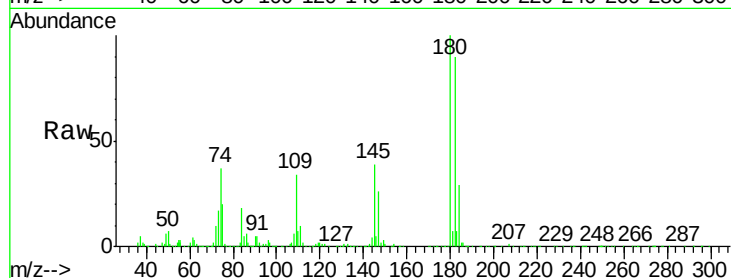
Tot Ion:180 Resp: 234323

Ion Ratio Lower Upper

180 100

182 90.1 47.7 143.1

145 39.5 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

