

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050818\
 Data File : VT019040.D
 Acq On : 8 May 2018 17:16
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA T/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC005

Quant Time: May 09 04:03:39 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	1103726	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	1870873	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	1607050	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	748882	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	50964	5.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.28%	
34) Dibromofluoromethane	7.37	113	47194	4.66	ug/l	0.01
Spiked Amount	50.000		Recovery	=	9.32%	
49) Toluene-d8	9.90	98	219862	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
61) 4-Bromofluorobenzene	12.23	95	74995	4.86	ug/l	0.01
Spiked Amount	50.000		Recovery	=	9.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.79	85	79028	7.70	ug/l	95
3) Chloromethane	1.96	50	23277	2.46	ug/l #	73
4) Vinyl Chloride	2.10	62	40195	3.95	ug/l	100
5) Bromomethane	2.44	94	32154	5.65	ug/l	92
6) Chloroethane	2.57	64	25184	4.75	ug/l #	79
7) Trichlorofluoromethane	2.92	101	103649m	8.86	ug/l	
8) Diethyl Ether	3.21	74	15407	3.64	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.60	101	53576	5.31	ug/l	92
10) Methyl Iodide	3.77	142	71212	4.55	ug/l	94
11) Tert butyl alcohol	4.53	59	12818	26.54	ug/l #	62
12) 1,1-Dichloroethene	3.54	96	41583	3.99	ug/l #	71
13) Acrolein	3.40	56	7135m	10.71	ug/l	
14) Allyl chloride	4.06	41	97376	5.34	ug/l	97
15) Acrylonitrile	4.70	53	48382	22.16	ug/l #	91
16) Acetone	3.59	43	35194	16.14	ug/l #	82
17) Carbon Disulfide	4.06	76	167302m	5.83	ug/l	
18) Methyl Acetate	4.08	43	32122	3.46	ug/l	97
19) Methyl tert-butyl Ether	4.77	73	96965	4.91	ug/l #	87
20) Methylene Chloride	4.29	84	68468	5.64	ug/l #	87
21) trans-1,2-Dichloroethene	4.75	96	67212	5.99	ug/l	90
22) Diisopropyl ether	5.69	45	164388	5.10	ug/l #	95
23) Vinyl Acetate	5.61	43	372028	31.05	ug/l	96
24) 1,1-Dichloroethane	5.56	63	127066	6.66	ug/l	97
25) 2-Butanone	6.57	43	65648	22.05	ug/l	96
26) 2,2-Dichloropropane	6.55	77	53052	5.91	ug/l	88
27) cis-1,2-Dichloroethene	6.56	96	60284	5.50	ug/l	97
28) Bromochloromethane	6.94	49	41972	5.39	ug/l	96
29) Chloroform	7.13	83	118126	6.77	ug/l	89
30) Cyclohexane	7.43	56	153532	7.08	ug/l #	79
31) 1,1,1-Trichloroethane	7.33	97	84397	6.32	ug/l #	89
35) 1,1-Dichloropropene	7.57	75	104680	5.66	ug/l	99
36) Ethyl Acetate	6.68	43	29783	4.36	ug/l	98
37) Carbon Tetrachloride	7.54	117	85378	5.52	ug/l	91
38) Methylcyclohexane	8.88	83	118668	5.02	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	7.82	78	295994	5.79	ug/l	99
40) Methacrylonitrile	6.90	41	15287	3.79	ug/l #	74
41) 1,2-Dichloroethane	7.91	62	63038	5.13	ug/l	91
42) Isopropyl Acetate	7.96	43	41561	3.71	ug/l #	91
43) Trichloroethene	8.63	130	61856	4.78	ug/l	87
44) 1,2-Dichloropropane	8.93	63	65387	5.52	ug/l	96
45) Dibromomethane	9.01	93	25744	4.95	ug/l	89
46) Bromodichloromethane	9.21	83	74093	5.48	ug/l #	97
47) Methyl methacrylate	9.01	41	20831	3.28	ug/l #	88
48) 1,4-Dioxane	9.01	88	8472	120.99	ug/l #	78
50) 4-Methyl-2-Pentanone	9.80	43	129299	19.46	ug/l	93
51) Toluene	9.97	92	152950	4.83	ug/l	97
52) t-1,3-Dichloropropene	10.19	75	60146	4.62	ug/l	90
53) cis-1,3-Dichloropropene	9.65	75	76458	4.65	ug/l	94
54) 1,1,2-Trichloroethane	10.38	97	42300	5.45	ug/l	91
55) Ethyl methacrylate	10.25	69	39206	4.14	ug/l	96
56) 1,3-Dichloropropane	10.53	76	67094	4.98	ug/l	95
57) 2-Chloroethyl Vinyl ether	9.51	63	100682	25.54	ug/l	95
58) 2-Hexanone	10.57	43	92438	18.42	ug/l	91
59) Dibromochloromethane	10.73	129	38611	4.31	ug/l	98
60) 1,2-Dibromoethane	10.82	107	32759	4.58	ug/l	89
63) Tetrachloroethene	10.45	164	45495	3.88	ug/l	92
64) Chlorobenzene	11.25	112	163205	4.71	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.33	131	49779	4.57	ug/l	92
66) Ethyl Benzene	11.33	91	310597	5.14	ug/l	95
67) m/p-Xylenes	11.45	106	223506	9.26	ug/l	76
68) o-Xylene	11.77	106	103487	4.71	ug/l	93
69) Stvrene	11.79	104	158373	4.33	ug/l	93
70) Bromoform	11.95	173	17348	3.13	ug/l #	91
72) Isopropylbenzene	12.08	105	299298	5.41	ug/l	96
73) N-amyl acetate	11.90	43	44303	4.19	ug/l	94
74) 1,1,2,2-Tetrachloroethane	12.32	83	45793	5.43	ug/l	98
75) 1,2,3-Trichloropropane	12.37	75	27968m	4.73	ug/l	
76) Bromobenzene	12.35	156	55925	4.55	ug/l	96
77) n-propylbenzene	12.42	91	397400	5.96	ug/l	100
78) 2-Chlorotoluene	12.49	91	215290	5.75	ug/l	97
79) 1,3,5-Trimethylbenzene	12.56	105	253846	5.34	ug/l	95
80) trans-1,4-Dichloro-2-buten	12.12	75	10802	4.18	ug/l	97
81) 4-Chlorotoluene	12.60	91	280177	6.23	ug/l	93
82) tert-Butylbenzene	12.82	119	213037m	5.05	ug/l	
83) 1,2,4-Trimethylbenzene	12.86	105	260930	5.43	ug/l	98
84) sec-Butylbenzene	13.00	105	318804	5.33	ug/l	92
85) p-Isopropyltoluene	13.12	119	269901	5.13	ug/l	94
86) 1,3-Dichlorobenzene	13.11	146	128394	5.03	ug/l	93
87) 1,4-Dichlorobenzene	13.19	146	119443	4.70	ug/l	97
88) n-Butylbenzene	13.44	91	287623	5.90	ug/l	92
89) Hexachloroethane	13.70	117	40151	4.68	ug/l	90
90) 1,2-Dichlorobenzene	13.47	146	103150	4.69	ug/l	98
91) 1,2-Dibromo-3-Chloropropan	14.09	75	5267	4.12	ug/l	80
92) 1,2,4-Trichlorobenzene	14.73	180	62691	4.26	ug/l	93

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ClientSampleId :
VSTDICC005

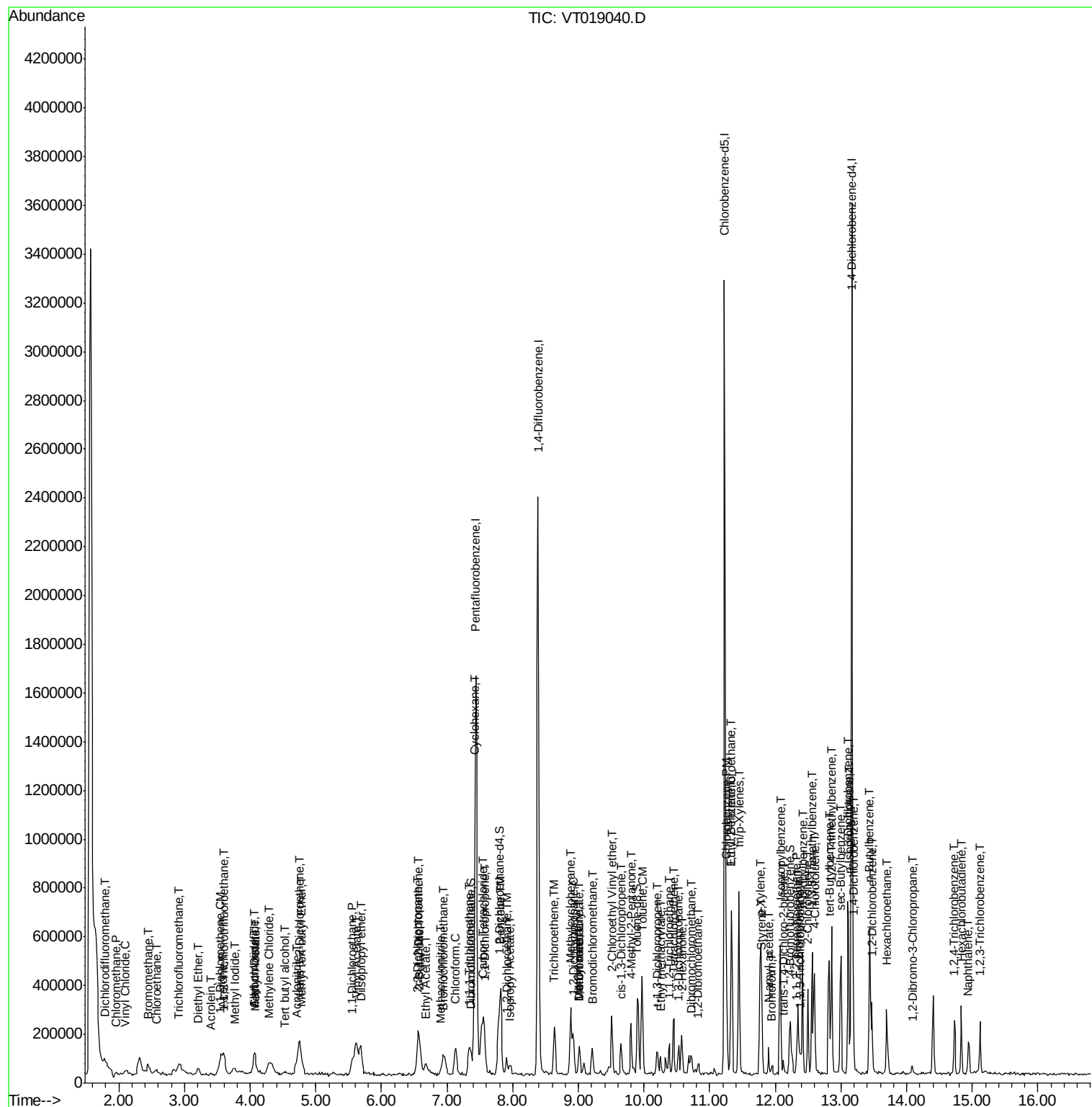
Quant Time: May 09 04:03:39 2018
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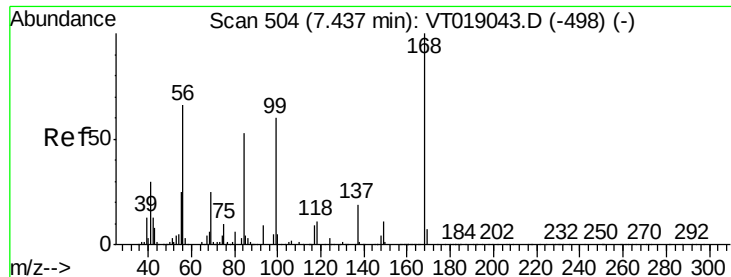
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	14.83	225	48090	4.97	ug/l	95
94) Naphthalene	14.94	128	102268	4.23	ug/l	96
95) 1,2,3-Trichlorobenzene	15.12	180	58383	4.64	ug/l	89

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

Instrument :
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ClientSampleId :
VSTDIC005

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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: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

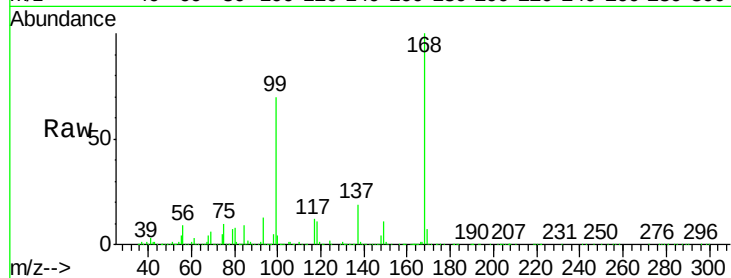
VSTDIC005

Tot Ion:168 Resp: 1103726

Ion Ratio Lower Upper

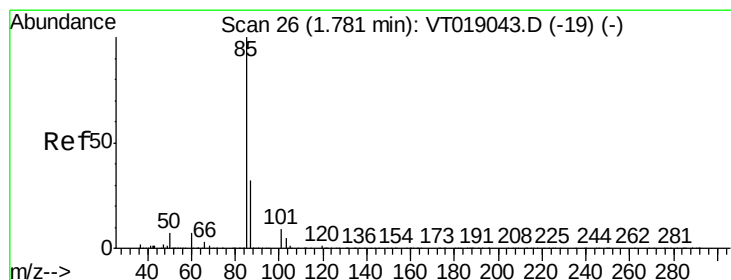
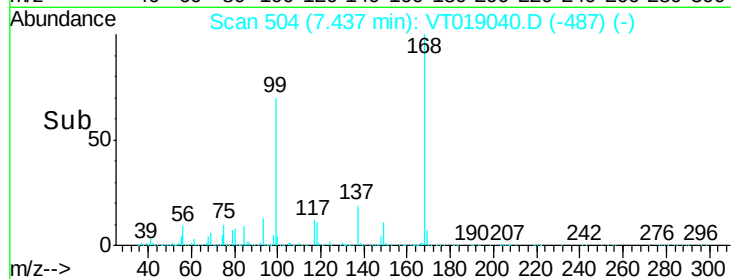
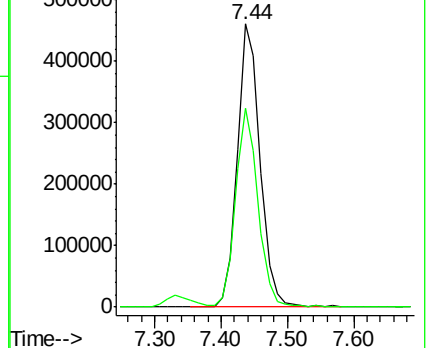
168 100

99 70.3 59.0 88.4



Abundance Ion 168.00 (167.70 to 168.70): VT0

Ion 99.00 (98.70 to 99.70): VT0



#2

Dichlorodifluoromethane

Concen: 7.70 ug/l

RT: 1.79 min Scan# 27

Delta R.T. 0.01 min

Lab File: VT019040.D

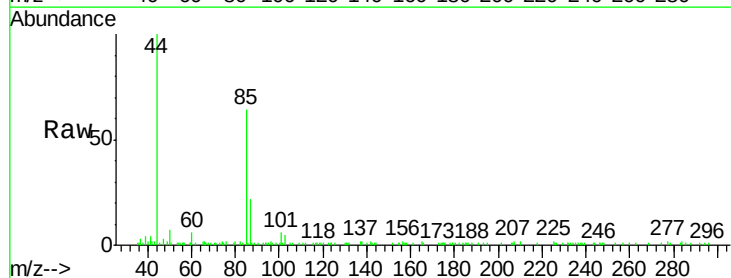
Acq: 8 May 2018 17:16

Tgt Ion: 85 Resp: 79028

Ion Ratio Lower Upper

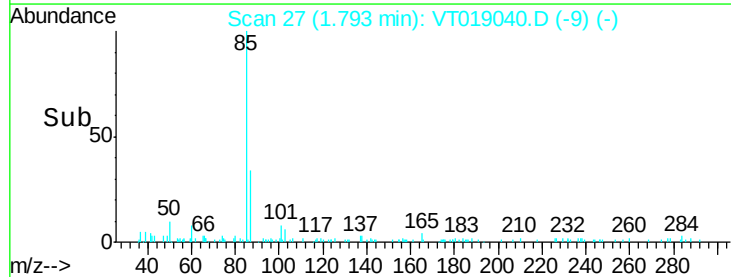
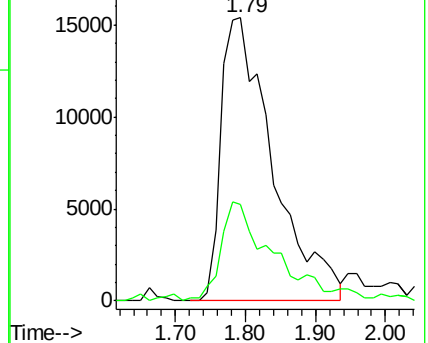
85 100

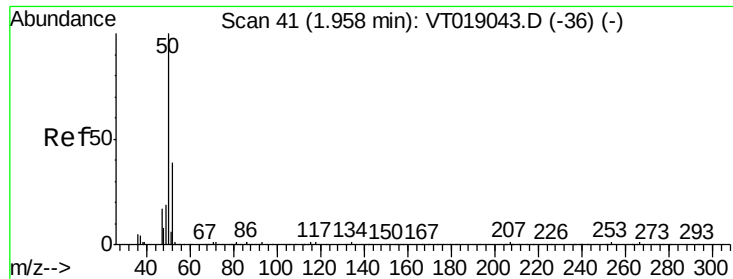
87 35.2 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VT0

Ion 87.00 (86.70 to 87.70): VT0

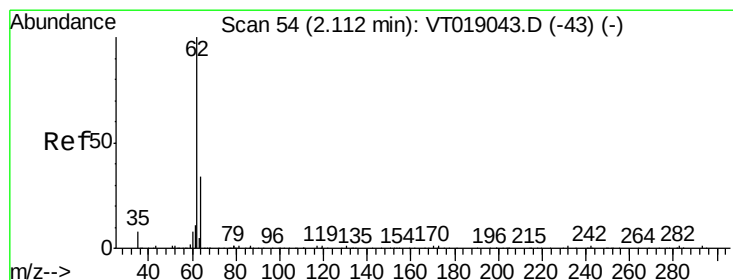
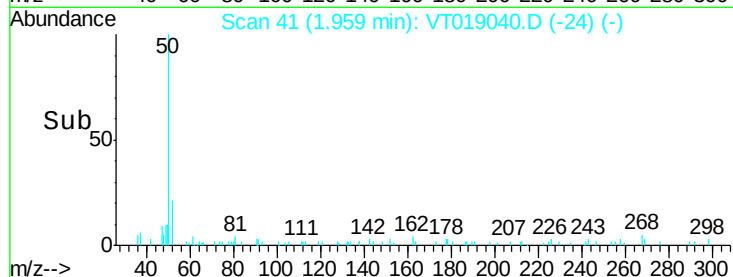
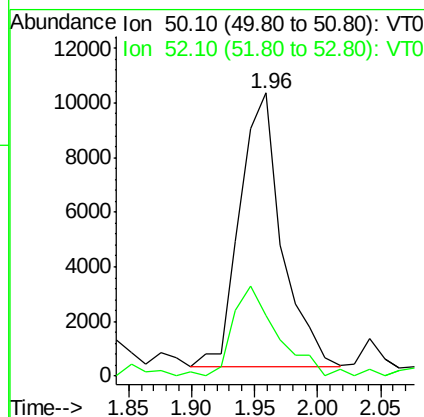
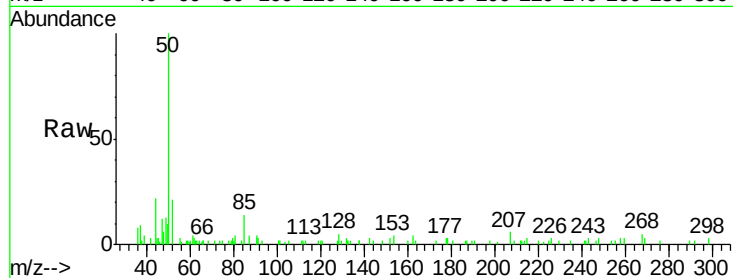




#3
Chloromethane
Concen: 2.46 ug/l
RT: 1.96 min Scan# 41
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

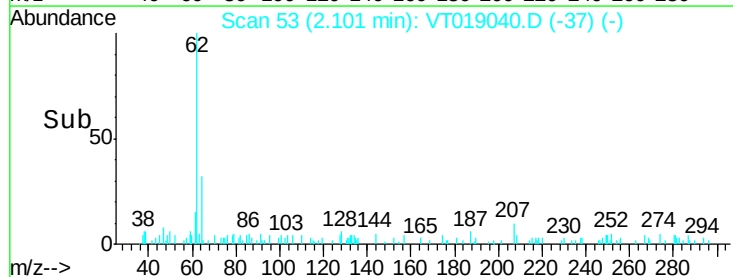
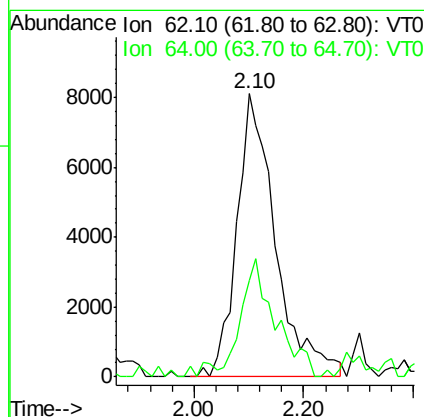
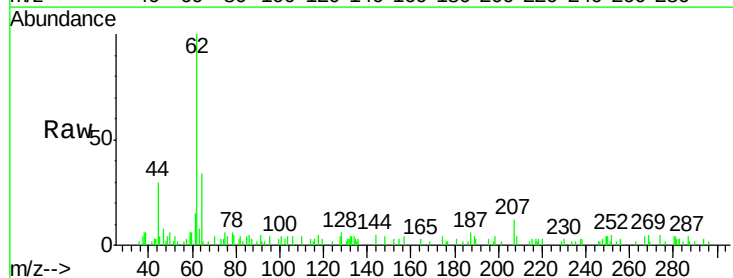
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

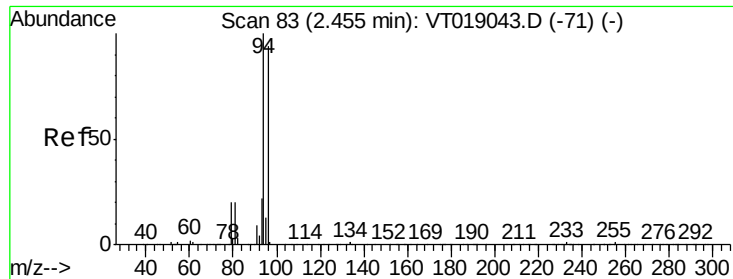
Tot Ion: 50 Resp: 23277
Ion Ratio Lower Upper
50 100
52 21.3 30.1 45.1#



#4
Vinyl Chloride
Concen: 3.95 ug/l
RT: 2.10 min Scan# 53
Delta R.T. -0.01 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

Tgt Ion: 62 Resp: 40195
Ion Ratio Lower Upper
62 100
64 33.9 27.0 40.4





#5

Bromomethane

Concen: 5.65 ug/l

RT: 2.44 min Scan# 82

Delta R.T. -0.01 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

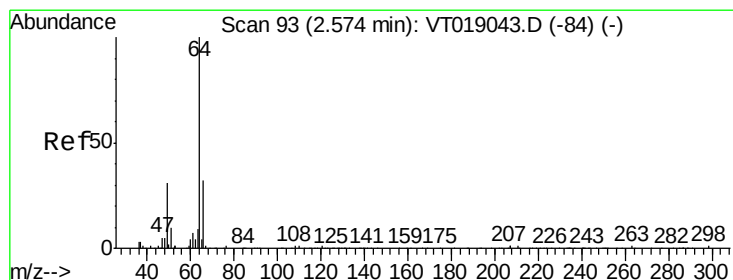
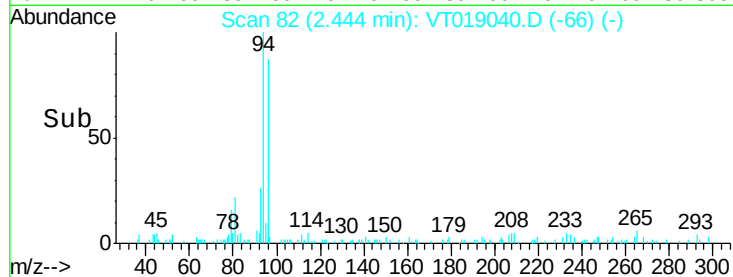
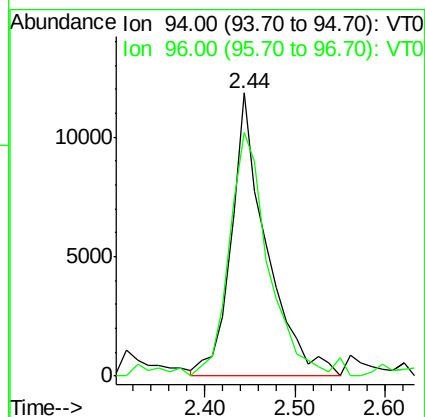
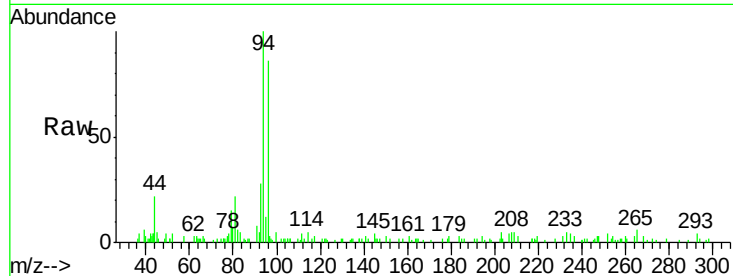
VSTDIC005

Tot Ion: 94 Resp: 32154

Ion Ratio Lower Upper

94 100

96 86.0 75.3 112.9



#6

Chloroethane

Concen: 4.75 ug/l

RT: 2.57 min Scan# 93

Delta R.T. 0.00 min

Lab File: VT019040.D

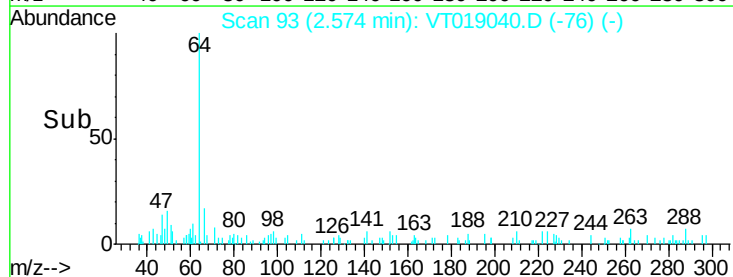
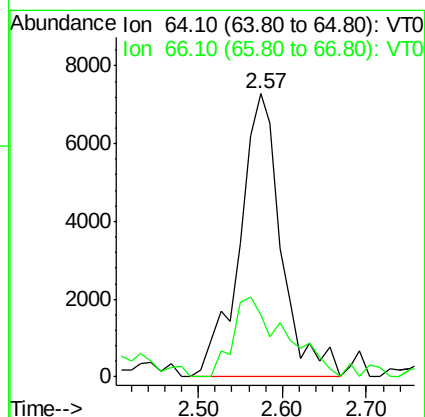
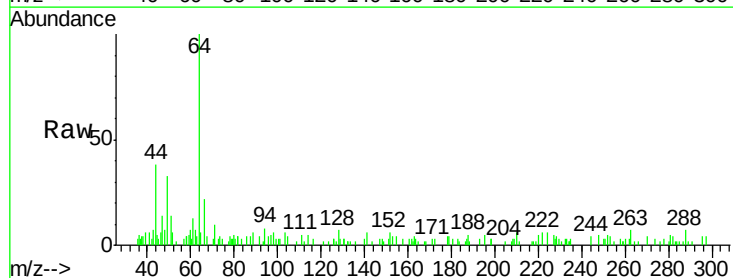
Acq: 8 May 2018 17:16

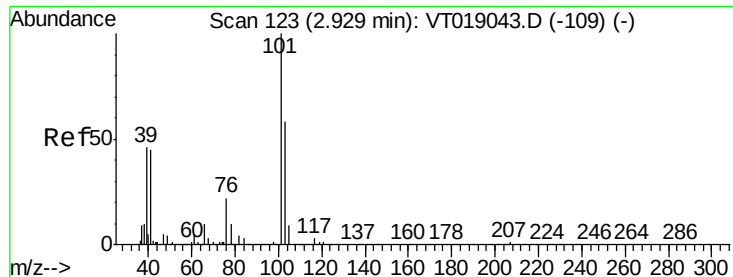
Tgt Ion: 64 Resp: 25184

Ion Ratio Lower Upper

64 100

66 20.5 25.8 38.8#



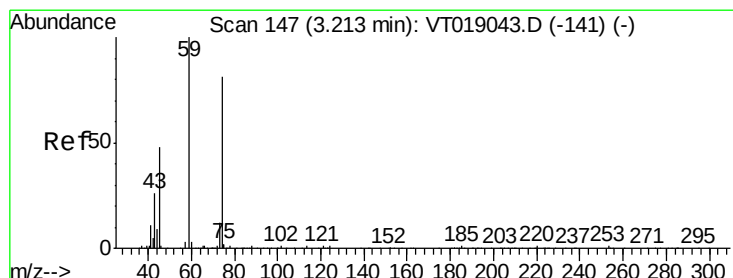
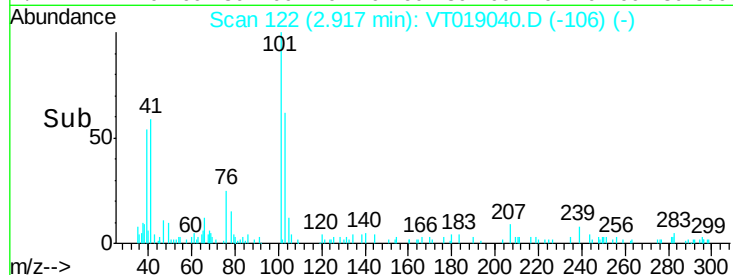
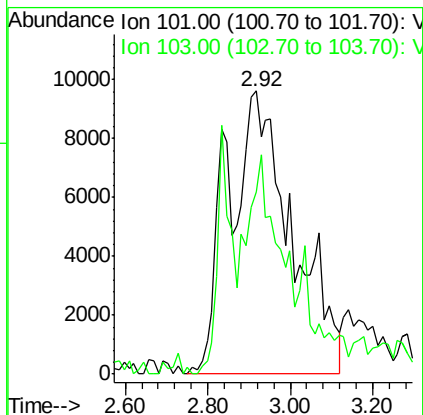
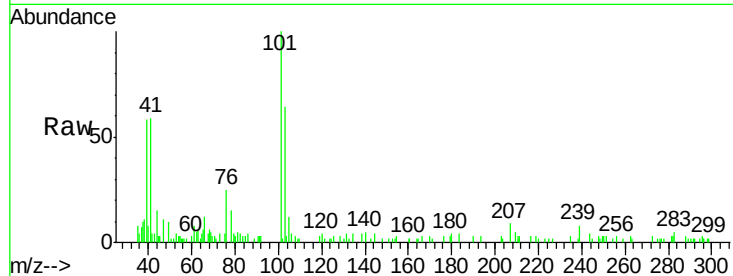


#7

Trichlorofluoromethane
 Concen: 8.86 ug/l m
 RT: 2.92 min Scan# 122
 Delta R.T. -0.01 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

Instrument :
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 ClientSampleId :
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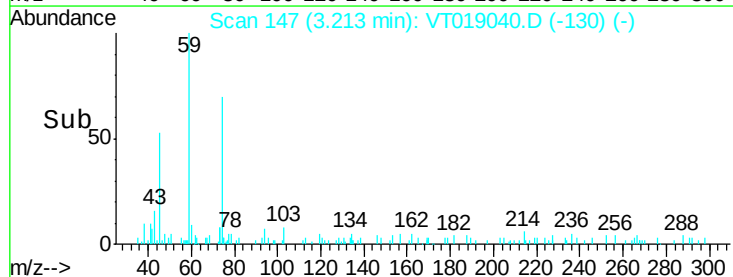
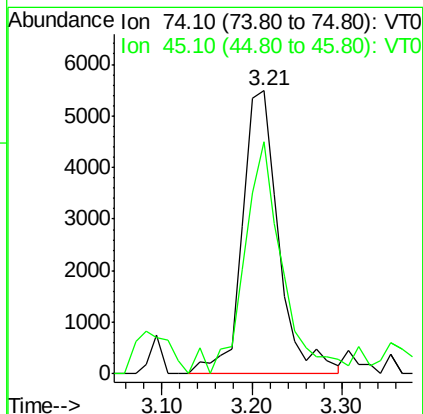
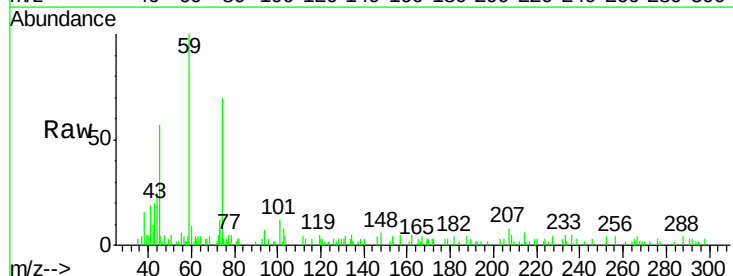
Tot Ion:101 Resp: 103649
 Ion Ratio Lower Upper
 101 100
 103 64.2 46.5 69.7

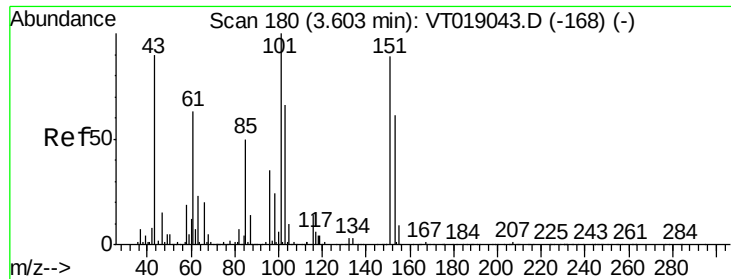


#8

Diethyl Ether
 Concen: 3.64 ug/l
 RT: 3.21 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

Tgt Ion: 74 Resp: 15407
 Ion Ratio Lower Upper
 74 100
 45 81.8 29.8 89.4

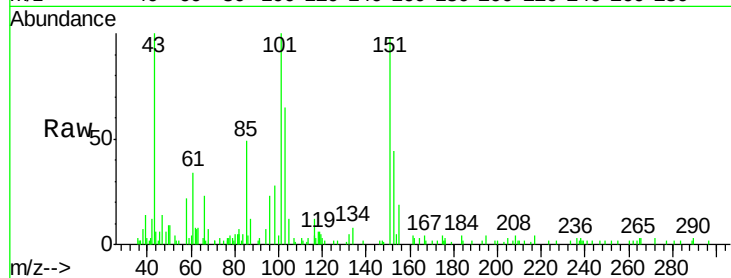




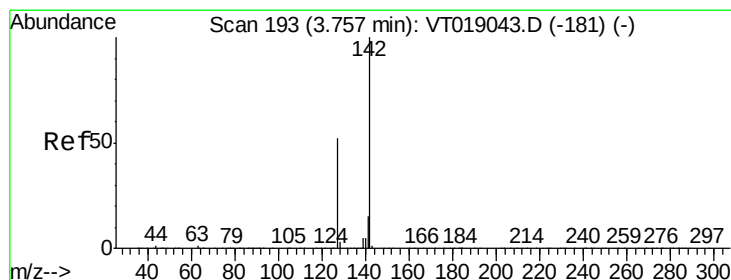
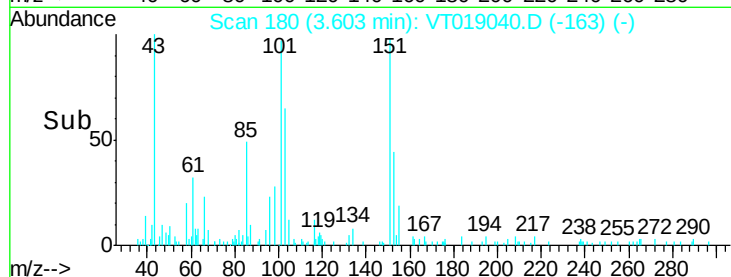
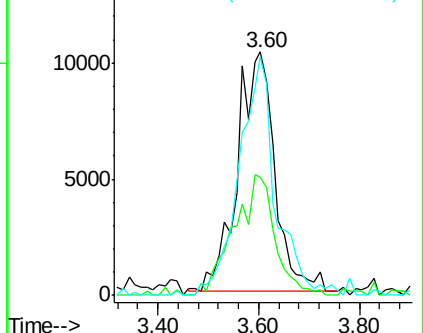
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.31 ug/l
 RT: 3.60 min Scan# 180
 Delta R.T. 0.00 min
 Lab File: VT019040.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.5	59.3
151	98.0	69.9	104.9

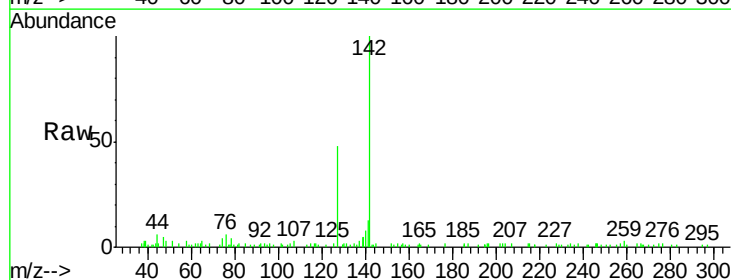


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VT019040.D (-168) (-)
 Ion 150.90 (150.60 to 151.60): V

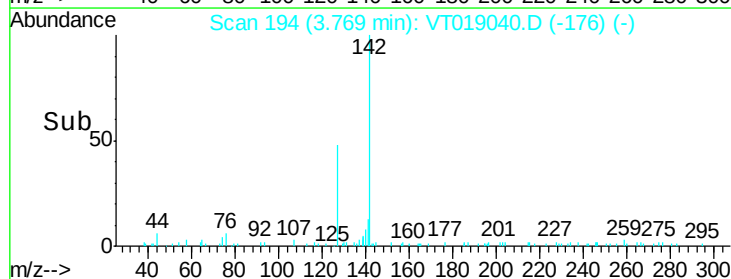
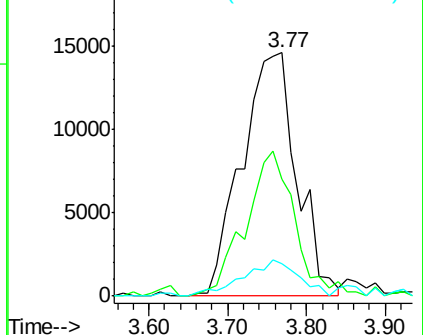


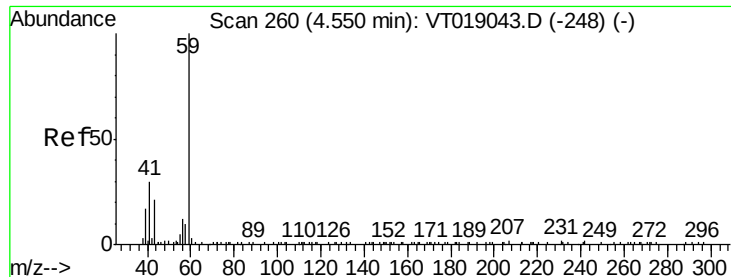
#10
 Methyl Iodide
 Concen: 4.55 ug/l
 RT: 3.77 min Scan# 194
 Delta R.T. 0.01 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.8	41.8	62.8
141	13.1	12.0	18.0



Abundance Ion 141.90 (141.60 to 142.60): V
 Ion 126.90 (126.60 to 127.60): V
 Ion 140.90 (140.60 to 141.60): V



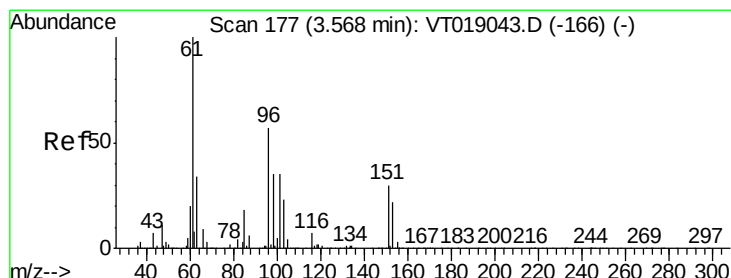
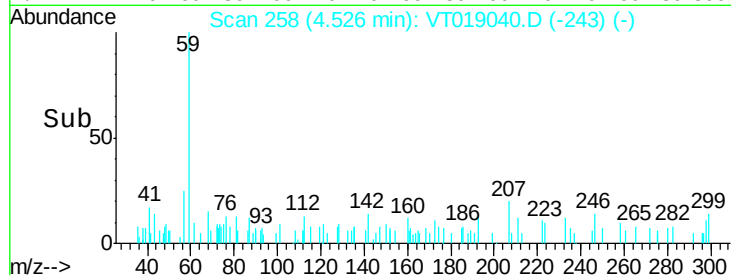
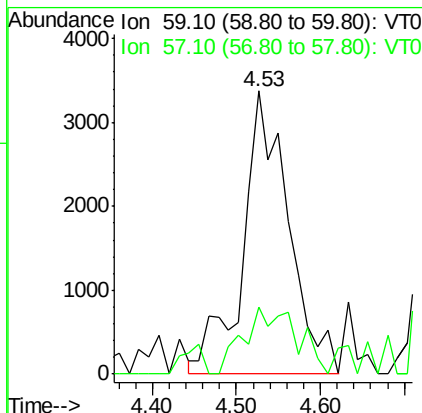
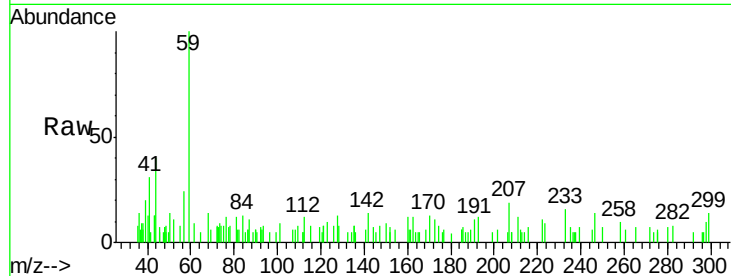


#11

Tert butyl alcohol
 Concen: 26.54 ug/l
 RT: 4.53 min Scan# 258
 Delta R.T. -0.02 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC005

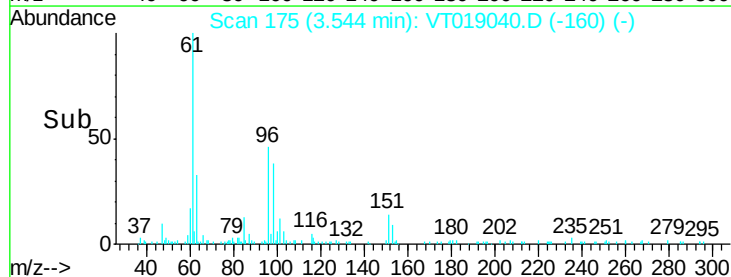
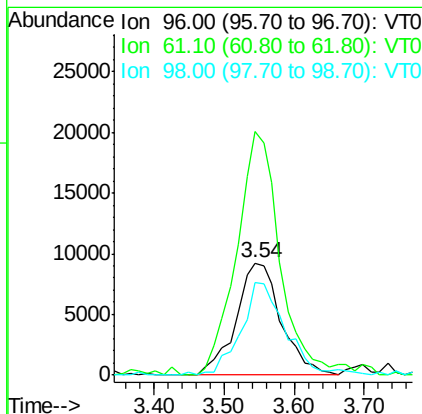
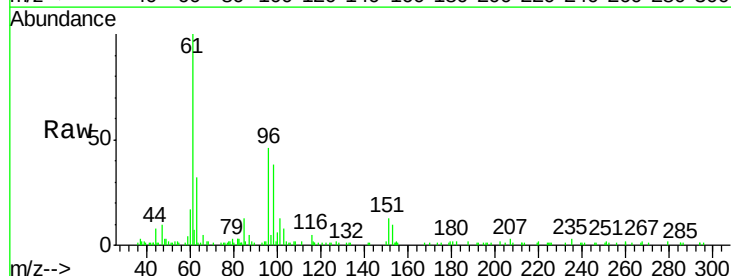
Tot Ion: 59 Resp: 12818
 Ion Ratio Lower Upper
 59 100
 57 23.6 7.7 11.5#

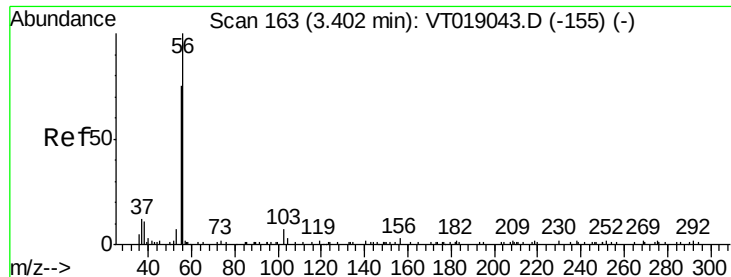


#12

1,1-Dichloroethene
 Concen: 3.99 ug/l
 RT: 3.54 min Scan# 175
 Delta R.T. -0.02 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

Tgt Ion: 96 Resp: 41583
 Ion Ratio Lower Upper
 96 100
 61 216.8 139.4 209.2#
 98 82.1 49.4 74.2#





#13

Acrolein

Concen: 10.71 ug/l m

RT: 3.40 min Scan# 163

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

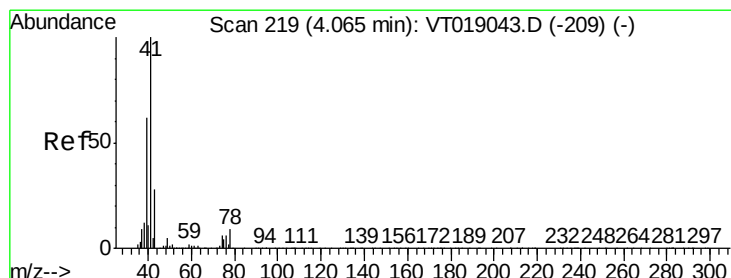
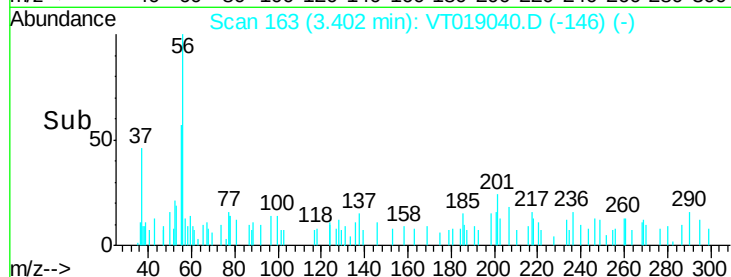
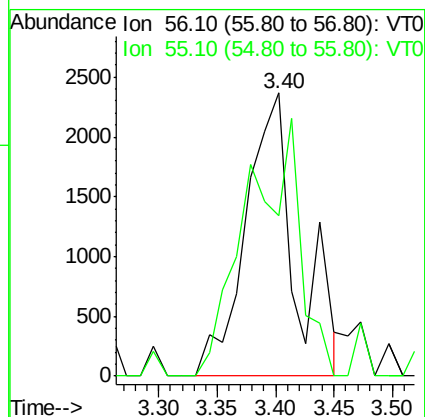
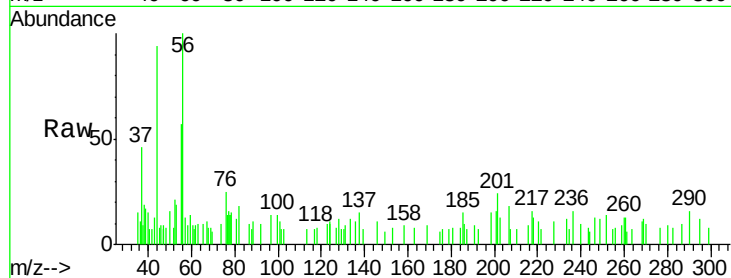
VSTDIC005

Tot Ion: 56 Resp: 7135

Ion Ratio Lower Upper

56 100

55 56.6 60.8 91.2#



#14

Allyl chloride

Concen: 5.34 ug/l

RT: 4.06 min Scan# 219

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

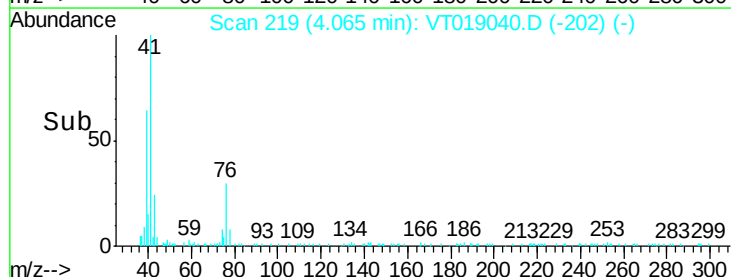
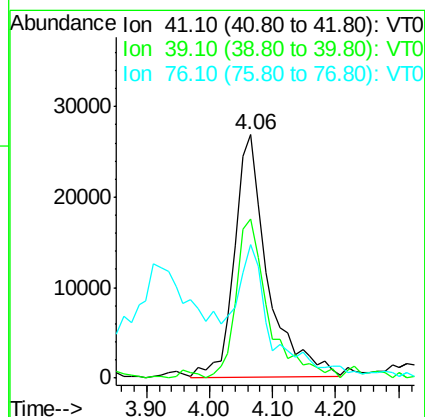
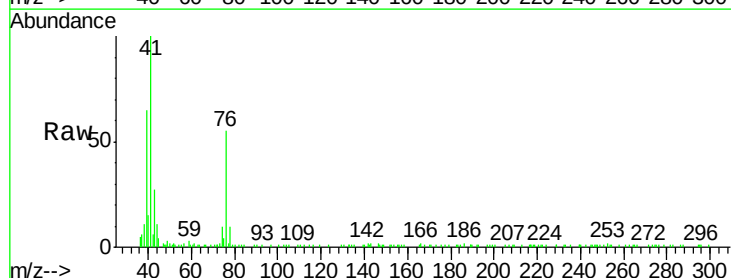
Tgt Ion: 41 Resp: 97376

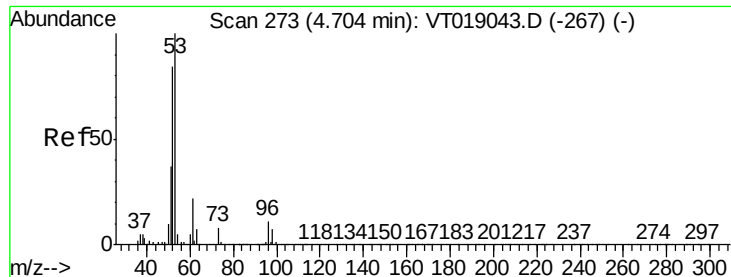
Ion Ratio Lower Upper

41 100

39 65.4 49.5 74.3

76 54.9 44.0 66.0





#15

Acrylonitrile

Concen: 22.16 ug/l

RT: 4.70 min Scan# 273

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

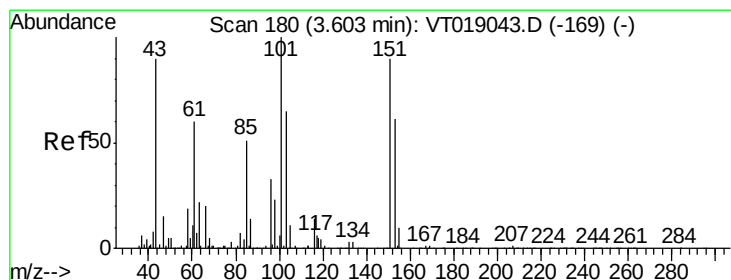
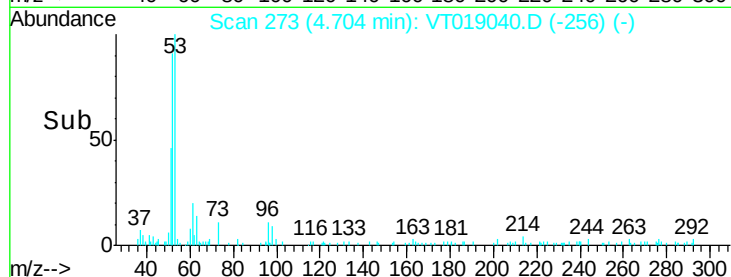
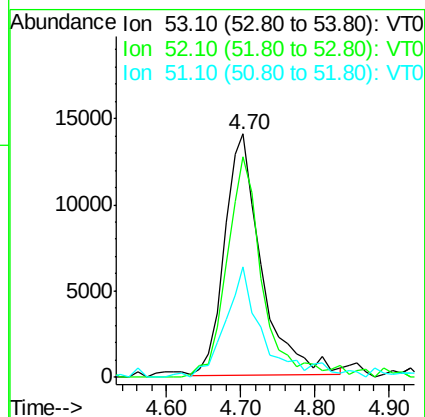
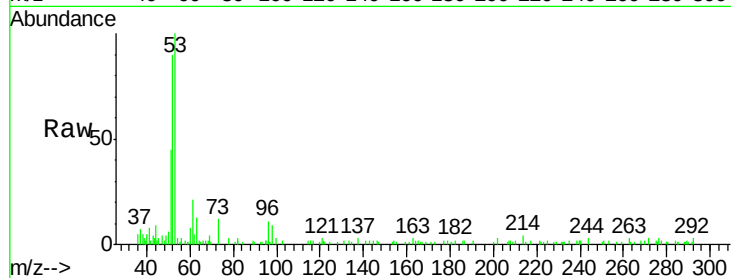
Tot Ion: 53 Resp: 48382

Ion Ratio Lower Upper

53 100

52 90.4 67.4 101.0

51 45.4 29.6 44.4#



#16

Acetone

Concen: 16.14 ug/l

RT: 3.59 min Scan# 179

Delta R.T. -0.01 min

Lab File: VT019040.D

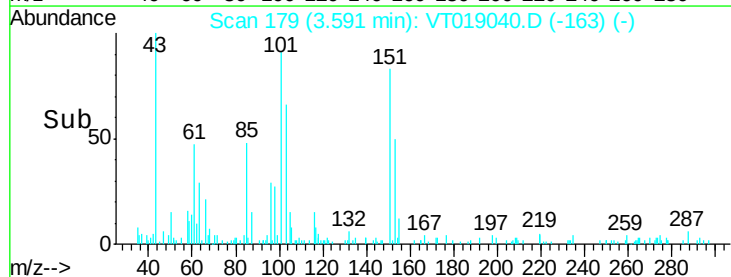
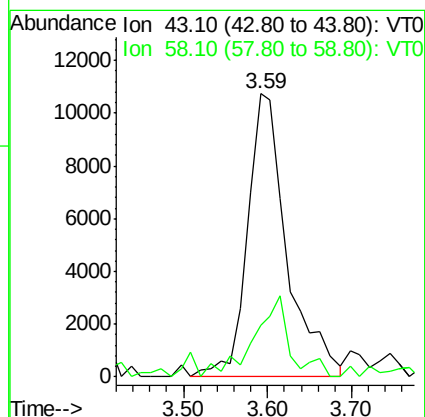
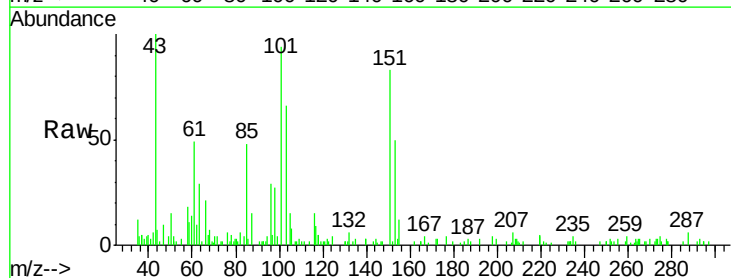
Acq: 8 May 2018 17:16

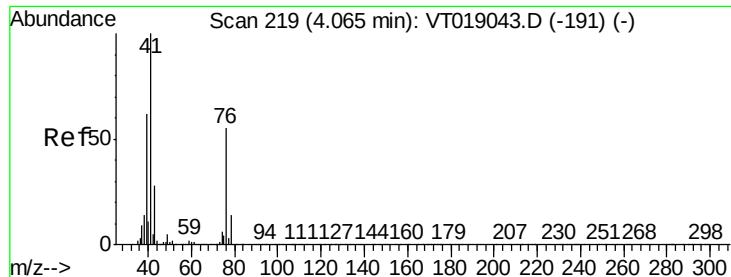
Tgt Ion: 43 Resp: 35194

Ion Ratio Lower Upper

43 100

58 29.5 16.7 25.1#

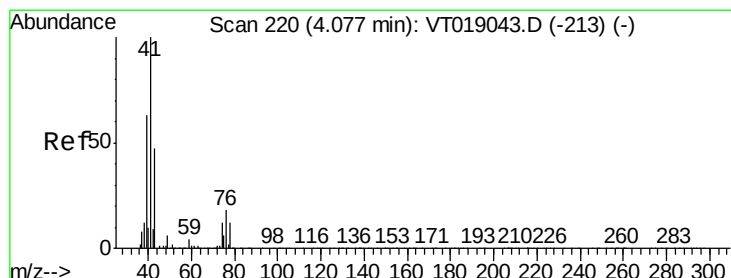
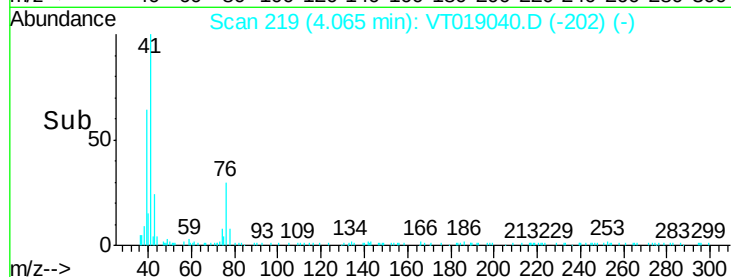
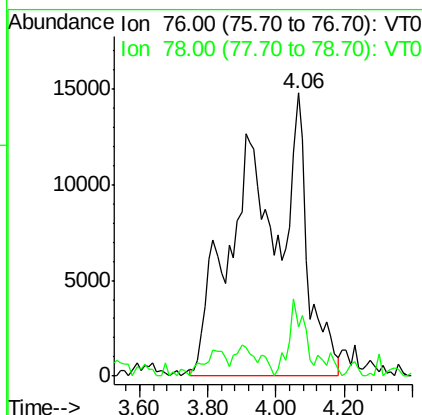
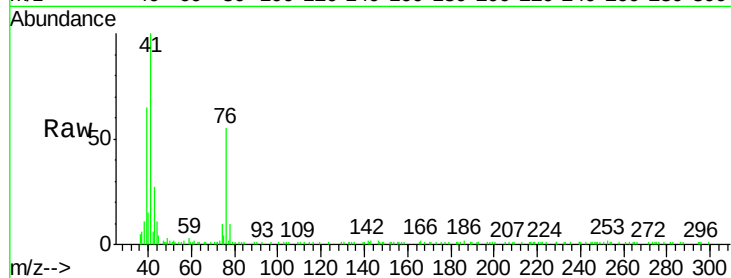




#17
Carbon Disulfide
Concen: 5.83 ug/l m
RT: 4.06 min Scan# 219
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

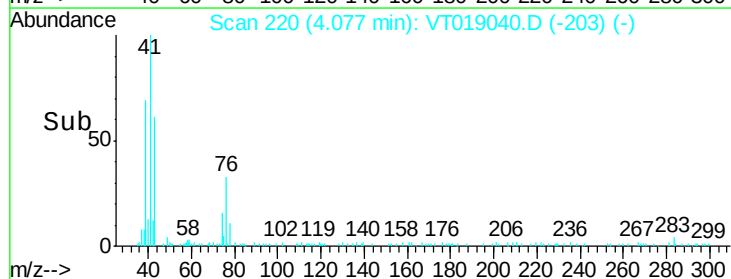
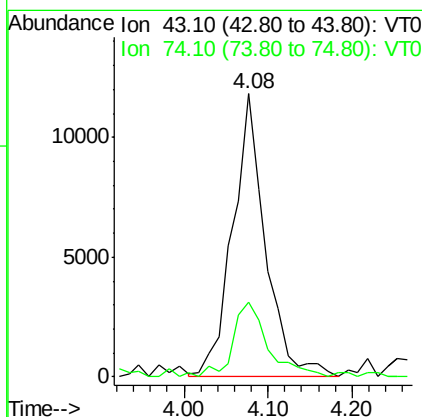
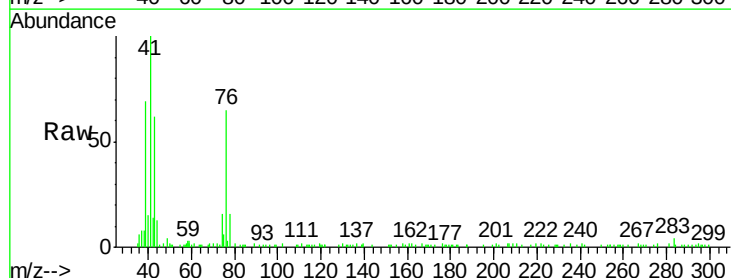
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

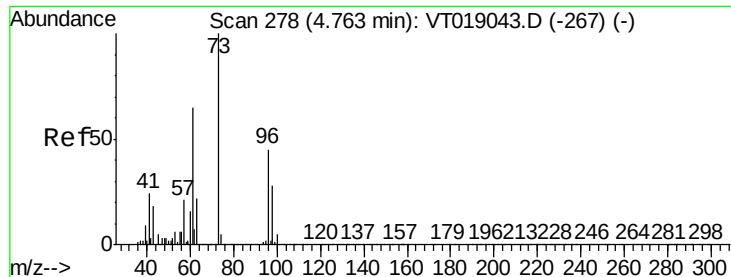
Tot Ion: 76 Resp: 167302
Ion Ratio Lower Upper
76 100
78 17.4 19.8 29.8#



#18
Methyl Acetate
Concen: 3.46 ug/l
RT: 4.08 min Scan# 220
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

Tgt Ion: 43 Resp: 32122
Ion Ratio Lower Upper
43 100
74 26.3 19.8 29.8



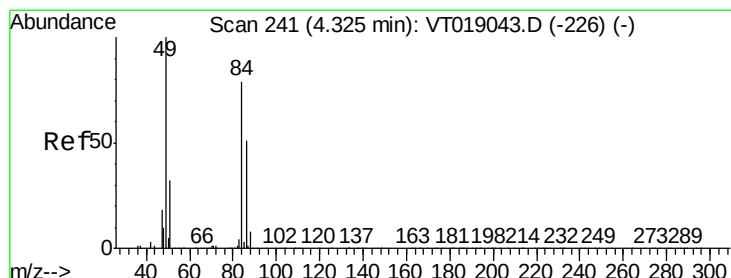
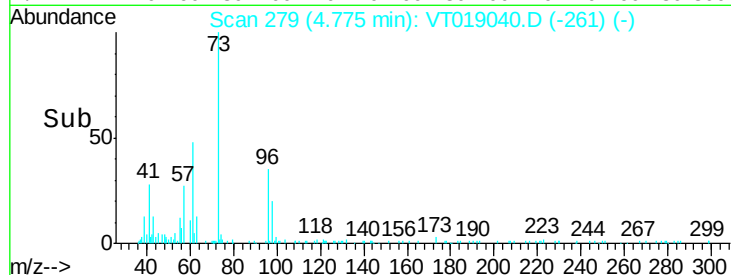
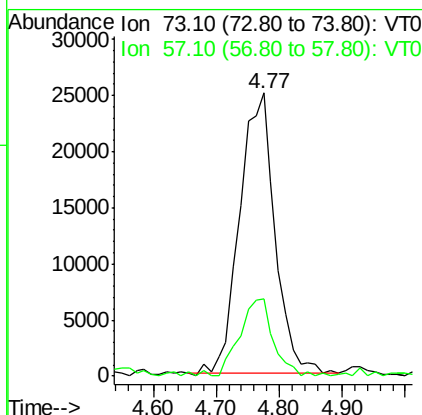
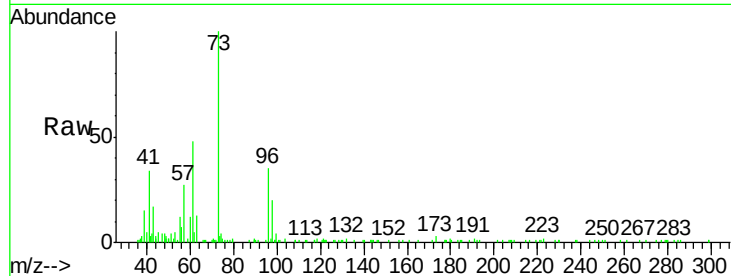


#19

Methyl tert-butyl Ether
 Concen: 4.91 ug/l
 RT: 4.77 min Scan# 279
 Delta R.T. 0.01 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC005

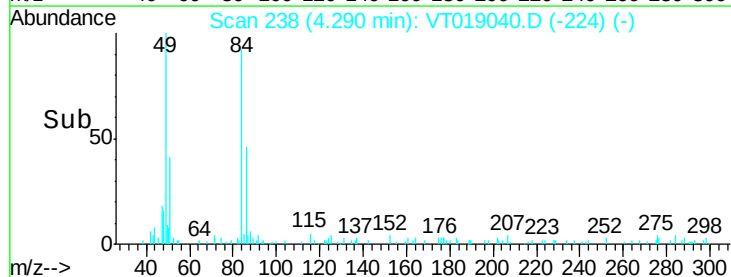
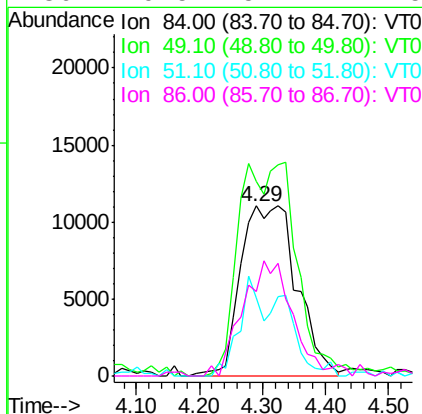
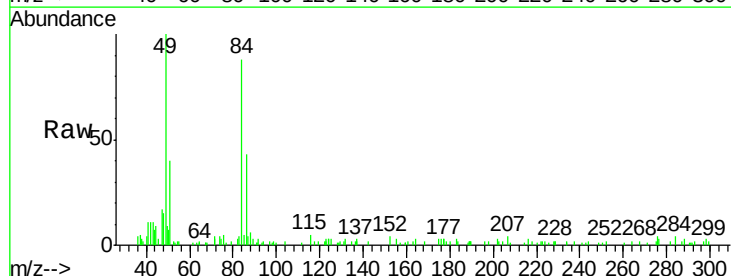
Tot Ion: 73 Resp: 96965
 Ion Ratio Lower Upper
 73 100
 57 26.6 16.6 25.0#

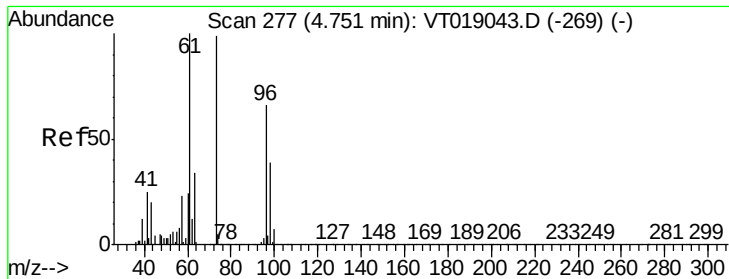


#20

Methylene Chloride
 Concen: 5.64 ug/l
 RT: 4.29 min Scan# 238
 Delta R.T. -0.04 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

Tgt Ion: 84 Resp: 68468
 Ion Ratio Lower Upper
 84 100
 49 114.2 103.0 154.4
 51 46.1 33.3 49.9
 86 49.5 51.7 77.5#





#21

trans-1,2-Dichloroethene

Concen: 5.99 ug/l

RT: 4.75 min Scan# 277

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

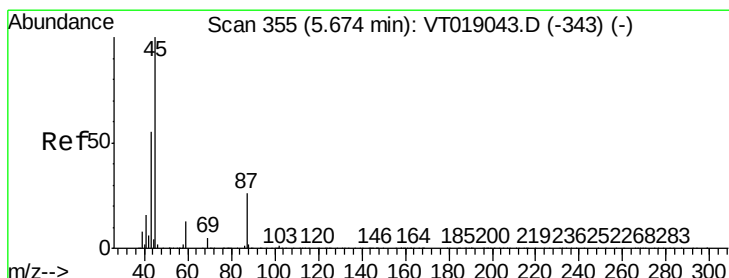
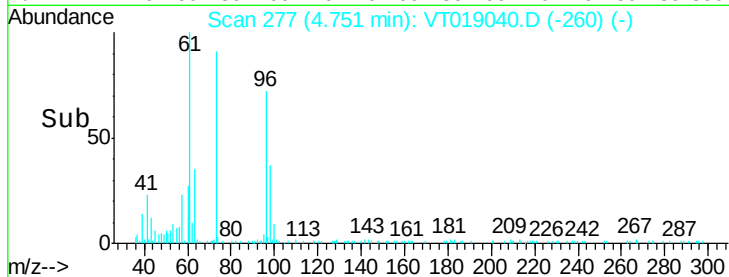
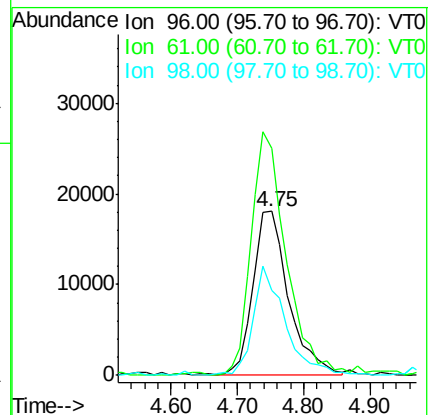
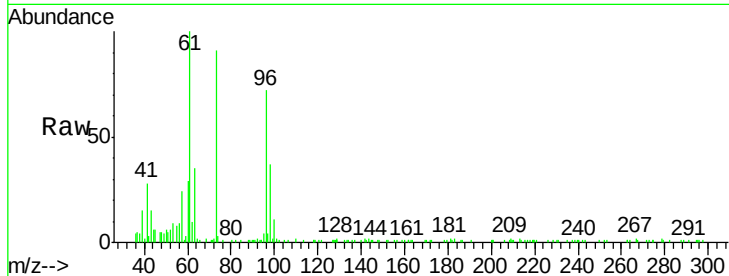
Tot Ion: 96 Resp: 67212

Ion Ratio Lower Upper

96 100

61 139.0 120.8 181.2

98 51.7 47.4 71.2



#22

Diisopropyl ether

Concen: 5.10 ug/l

RT: 5.69 min Scan# 356

Delta R.T. 0.01 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Tgt Ion: 45 Resp: 164388

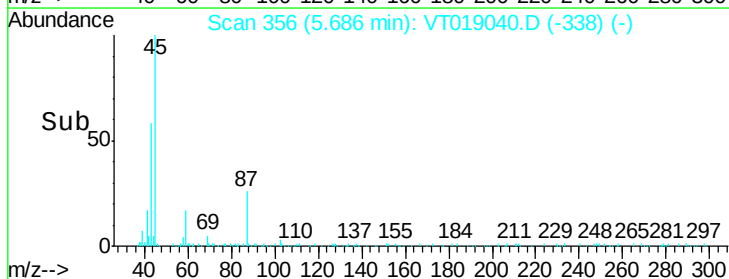
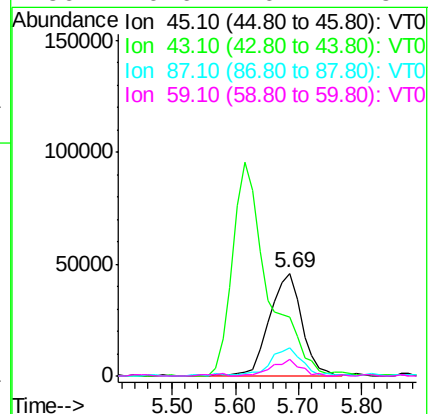
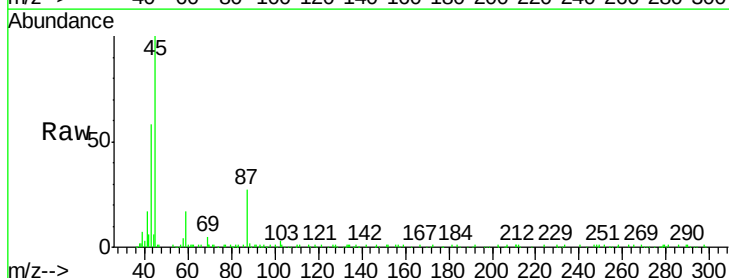
Ion Ratio Lower Upper

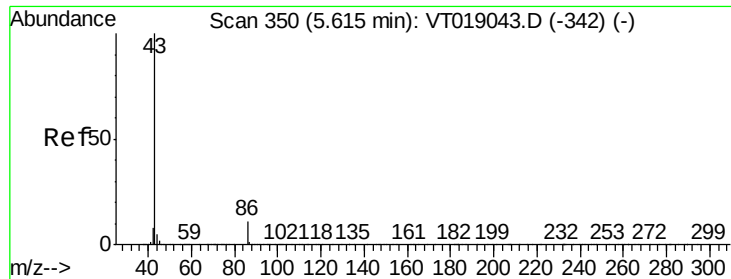
45 100

43 57.9 43.8 65.6

87 27.3 20.8 31.2

59 16.6 10.2 15.4#

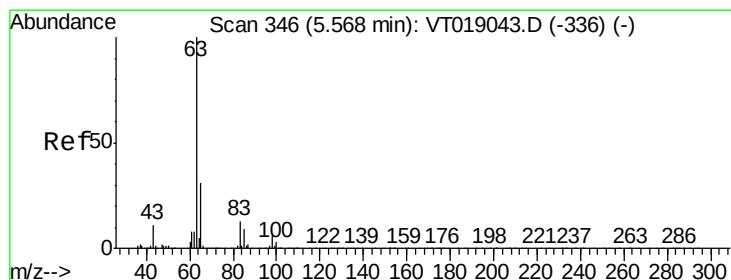
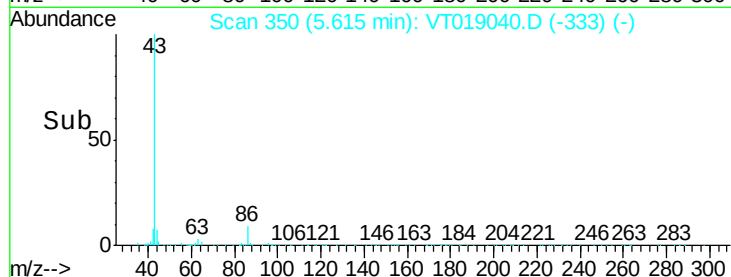
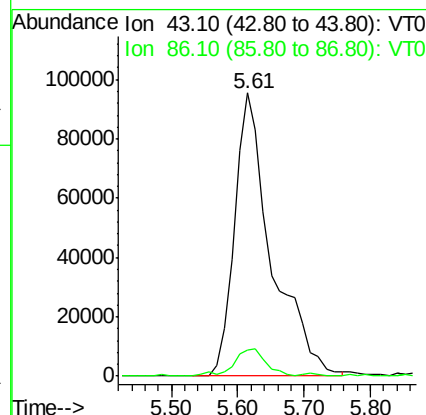
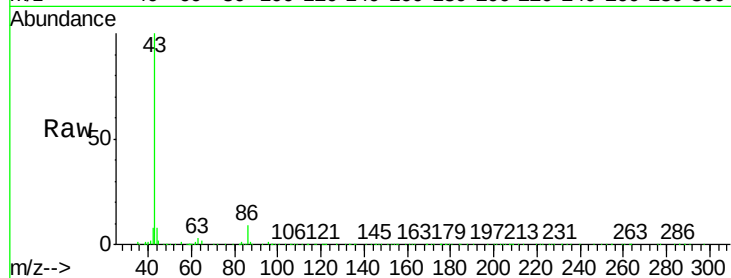




#23
 Vinyl Acetate
 Concen: 31.05 ug/l
 RT: 5.61 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

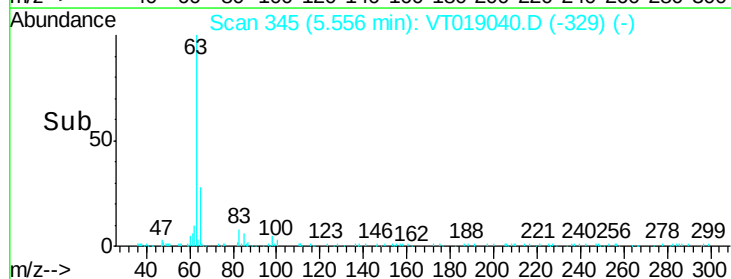
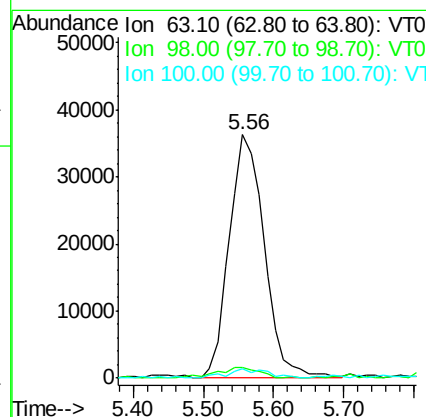
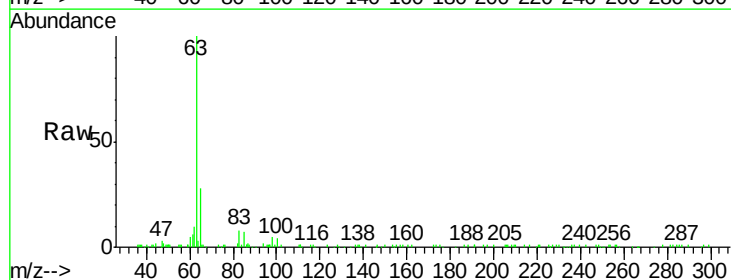
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC005

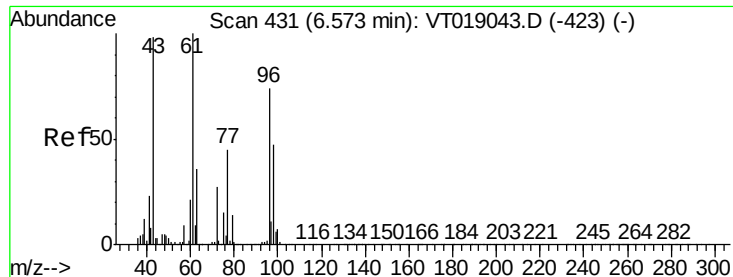
Tot Ion: 43 Resp: 372028
 Ion Ratio Lower Upper
 43 100
 86 9.3 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 6.66 ug/l
 RT: 5.56 min Scan# 345
 Delta R.T. -0.01 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

Tgt Ion: 63 Resp: 127066
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.8 8.4
 100 3.9 1.7 5.1

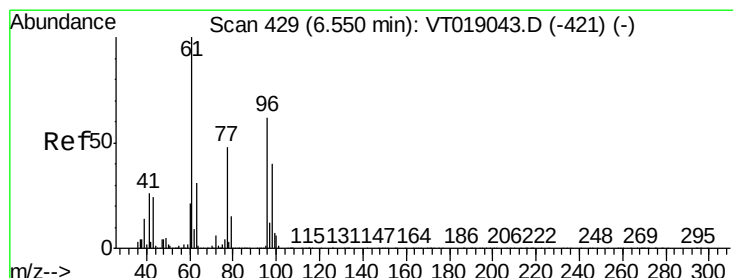
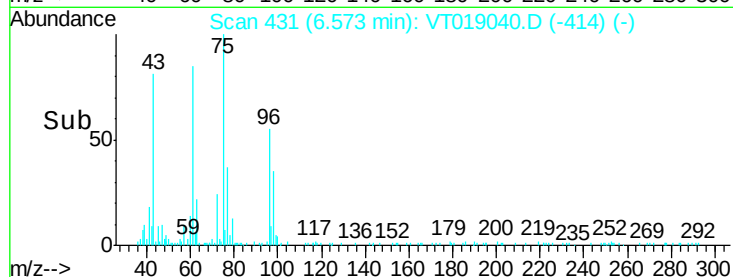
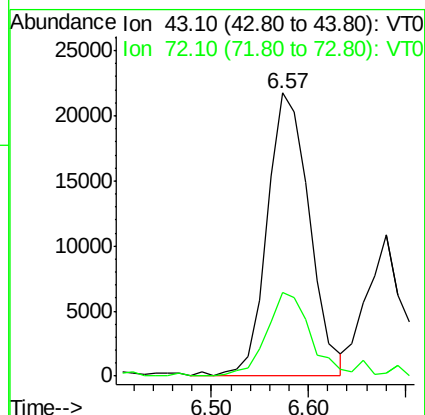
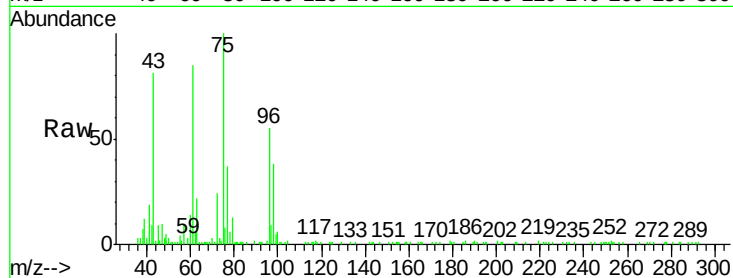




#25
2-Butanone
Concen: 22.05 ug/l
RT: 6.57 min Scan# 431
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

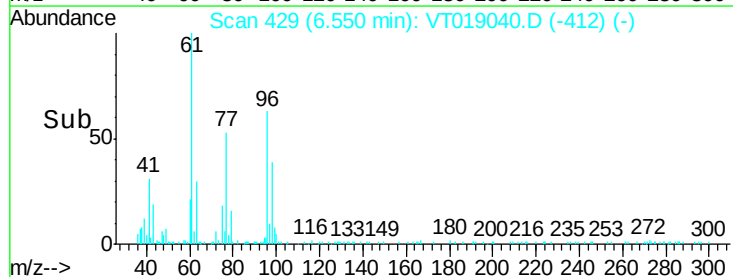
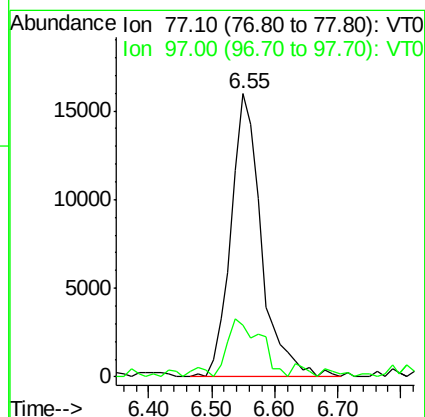
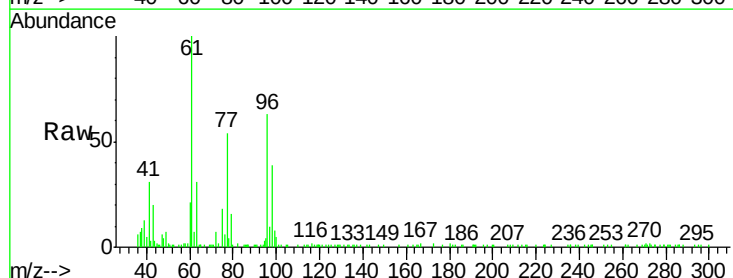
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

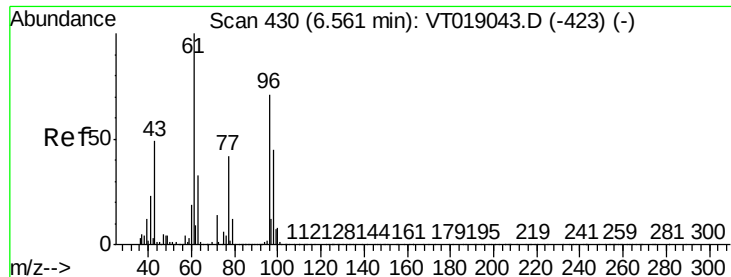
Tot Ion: 43 Resp: 65648
Ion Ratio Lower Upper
43 100
72 29.6 22.1 33.1



#26
2,2-Dichloropropane
Concen: 5.91 ug/l
RT: 6.55 min Scan# 429
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

Tgt Ion: 77 Resp: 53052
Ion Ratio Lower Upper
77 100
97 18.2 12.2 36.4



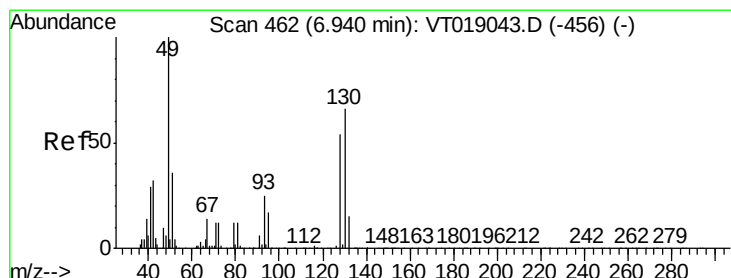
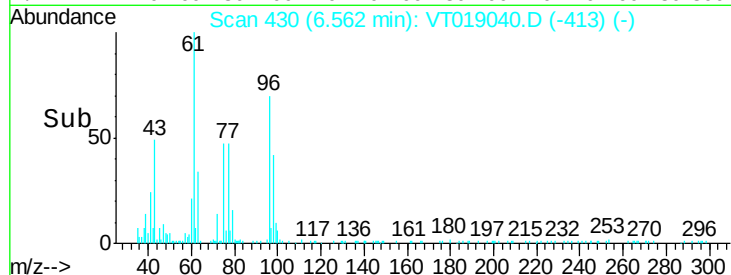
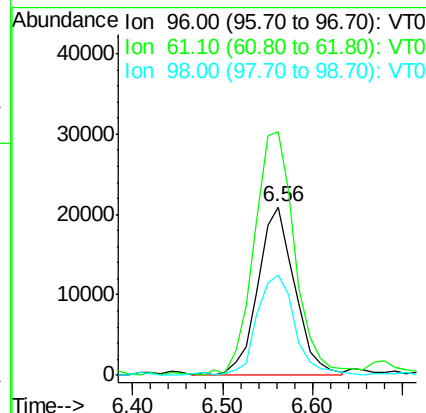
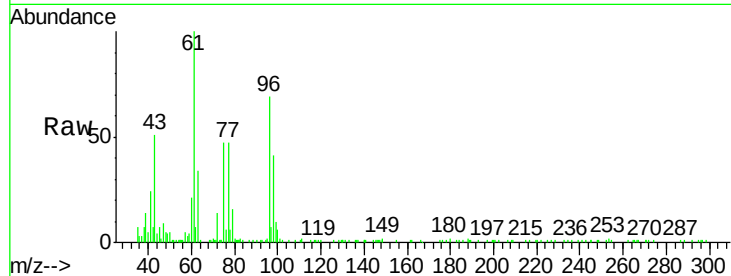


#27

cis-1,2-Dichloroethene
Concen: 5.50 ug/l
RT: 6.56 min Scan# 430
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

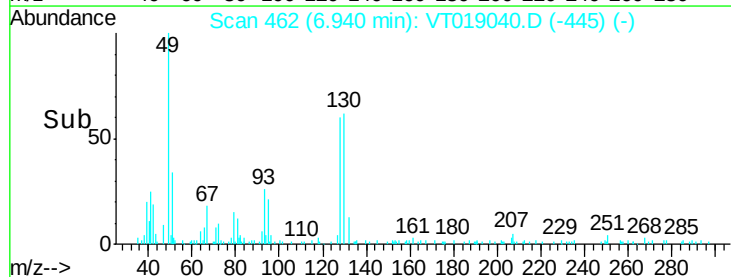
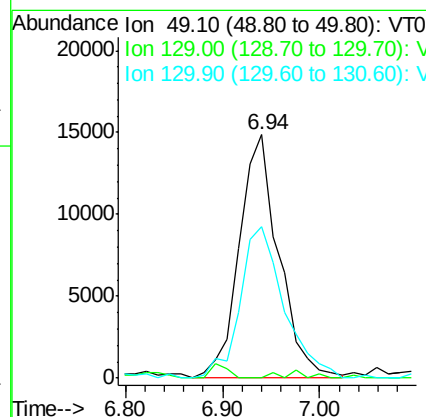
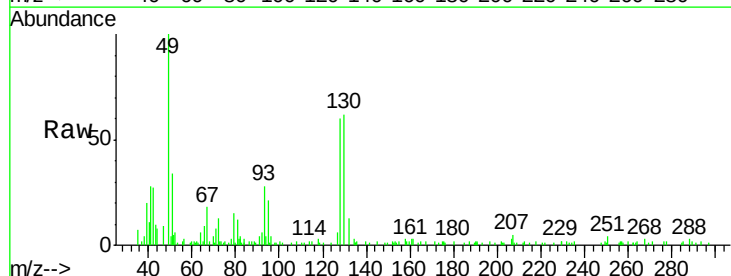
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	282.0
98	59.9	0.0	125.8

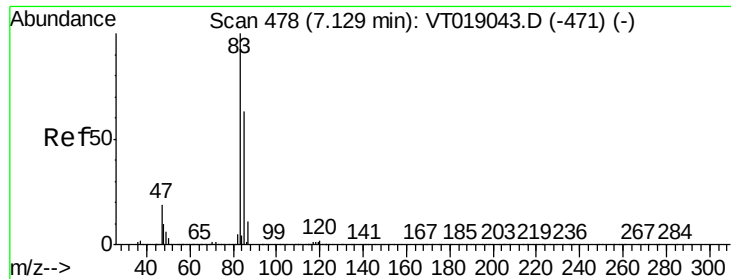


#28

Bromochloromethane
Concen: 5.39 ug/l
RT: 6.94 min Scan# 462
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	62.4	52.4	78.6





#29

Chloroform

Concen: 6.77 ug/l

RT: 7.13 min Scan# 478

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

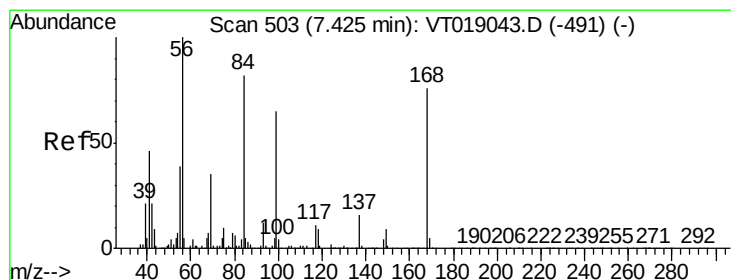
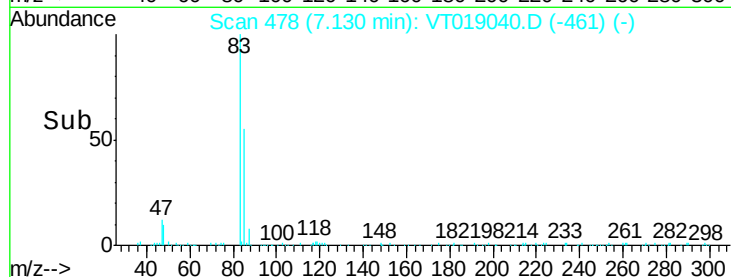
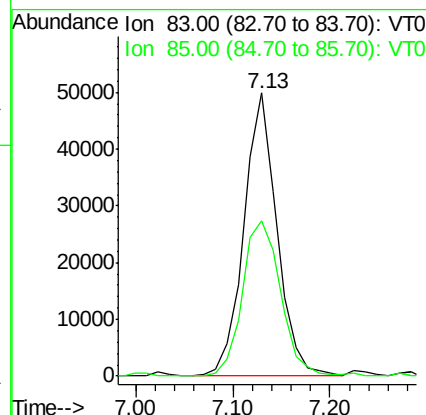
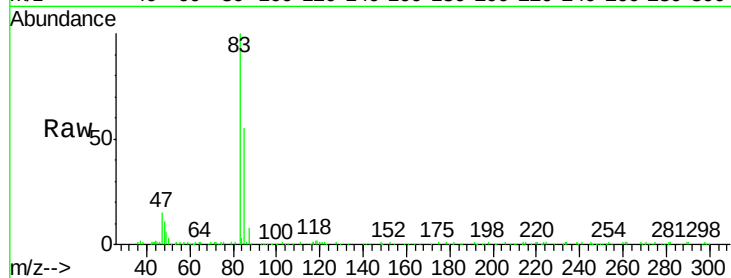
VSTDIC005

Tot Ion: 83 Resp: 118126

Ion Ratio Lower Upper

83 100

85 55.1 50.6 76.0



#30

Cyclohexane

Concen: 7.08 ug/l

RT: 7.43 min Scan# 503

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

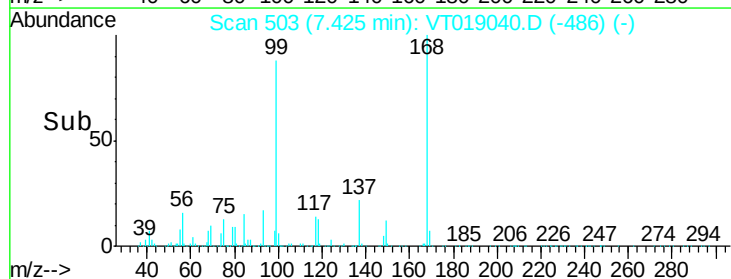
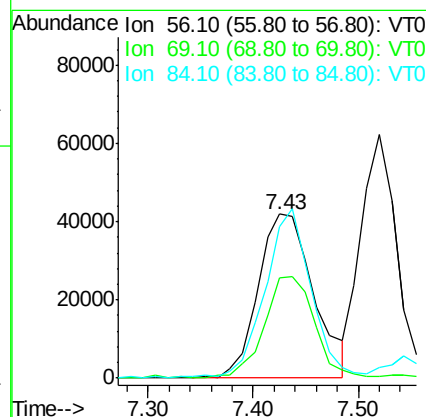
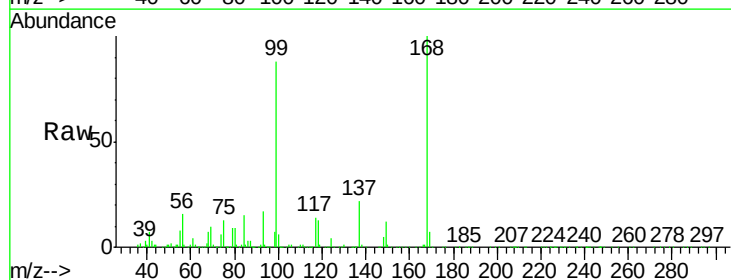
Tgt Ion: 56 Resp: 153532

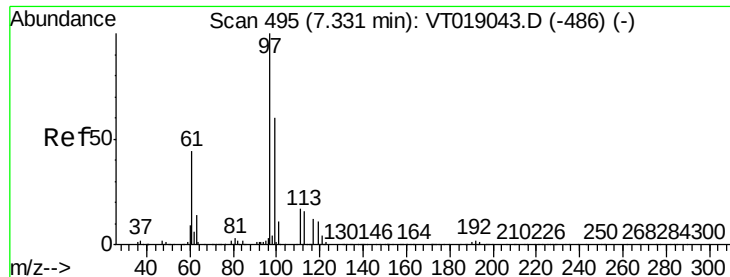
Ion Ratio Lower Upper

56 100

69 60.9 28.2 42.2#

84 92.1 65.6 98.4





#31

1,1,1-Trichloroethane

Concen: 6.32 ug/l

RT: 7.33 min Scan# 495

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

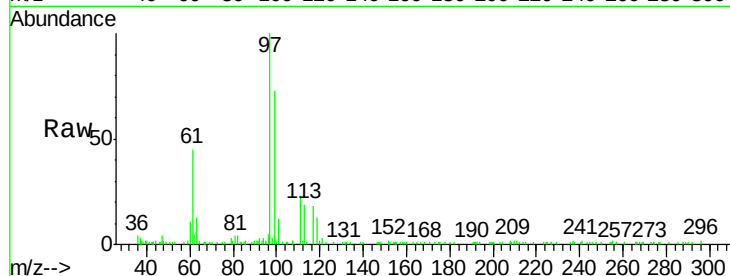
Tot Ion: 97 Resp: 84397

Ion Ratio Lower Upper

97 100

99 73.2 47.6 71.4#

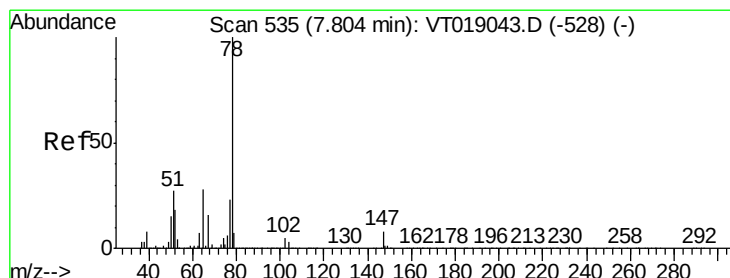
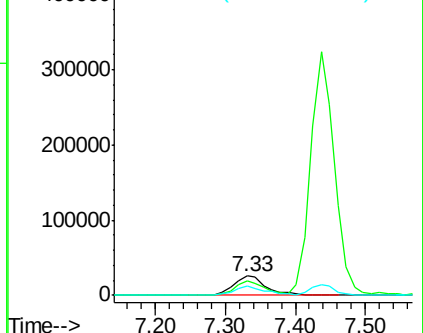
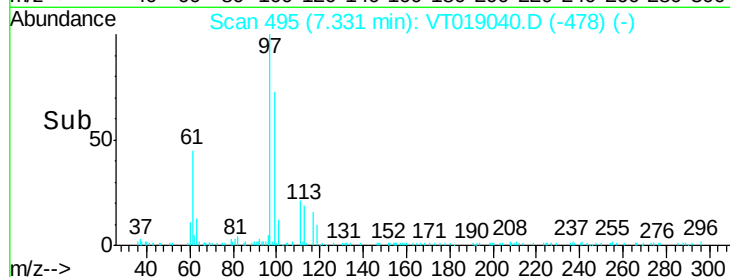
61 45.2 35.3 52.9



Abundance Ion 97.00 (96.70 to 97.70): VT0

Ion 99.00 (98.70 to 99.70): VT0

Ion 61.00 (60.70 to 61.70): VT0



#32

1,2-Dichloroethane-d4

Concen: 5.64 ug/l

RT: 7.80 min Scan# 535

Delta R.T. 0.00 min

Lab File: VT019040.D

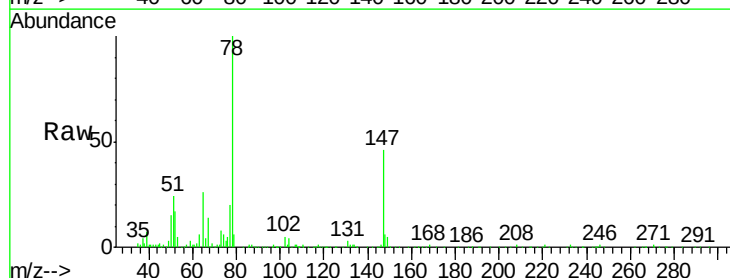
Acq: 8 May 2018 17:16

Tgt Ion: 65 Resp: 50964

Ion Ratio Lower Upper

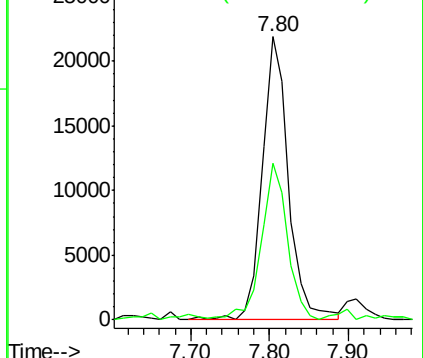
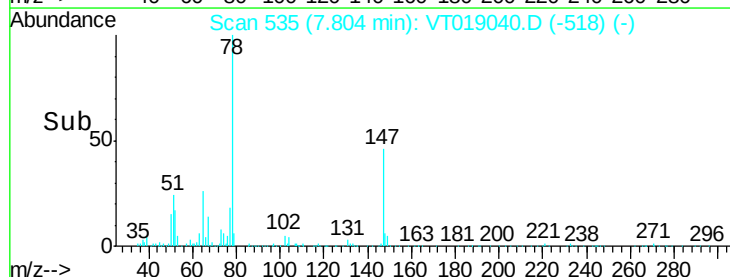
65 100

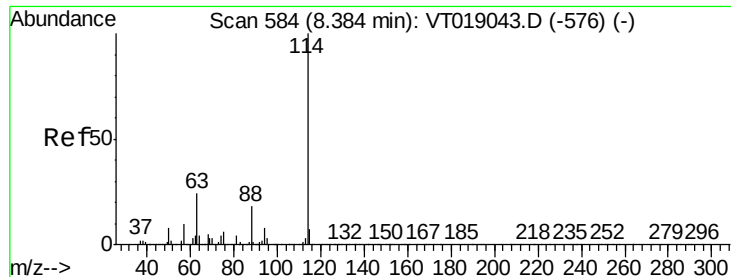
67 55.3 0.0 114.2



Abundance Ion 65.10 (64.80 to 65.80): VT0

Ion 67.10 (66.80 to 67.80): VT0

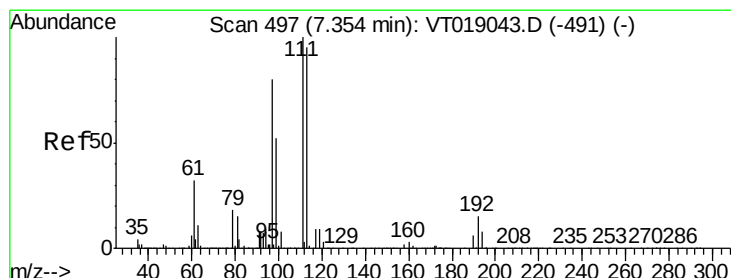
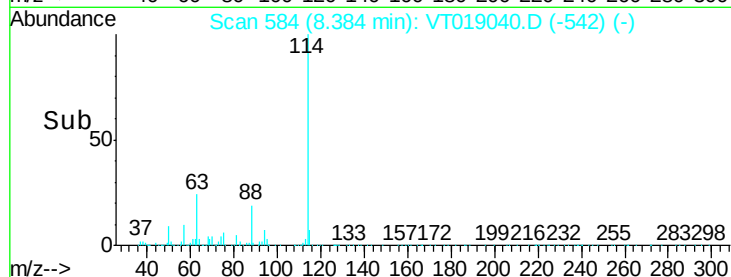
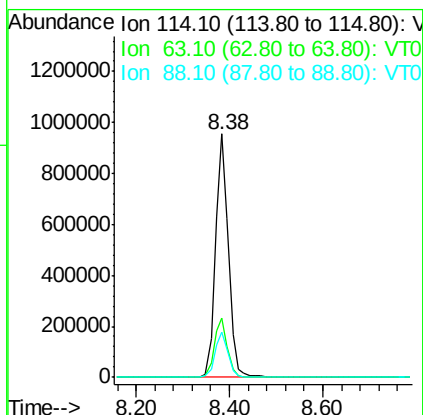
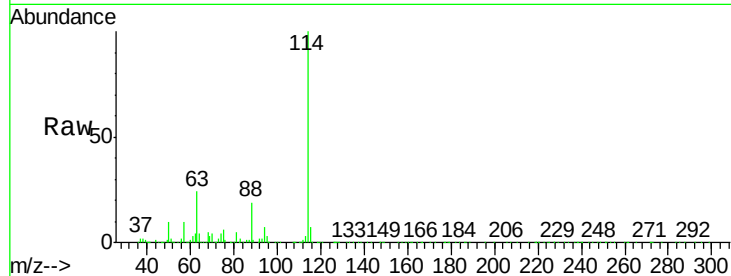




#33
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.38 min Scan# 584
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

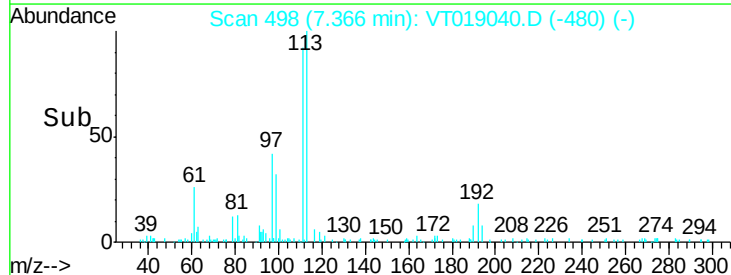
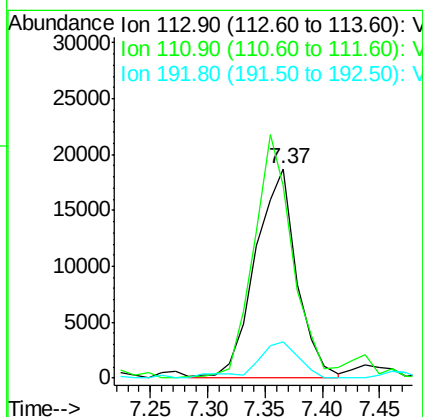
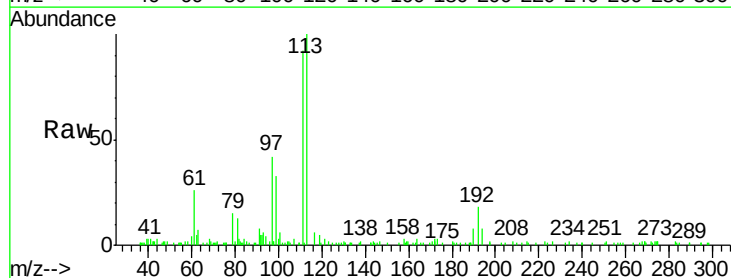
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

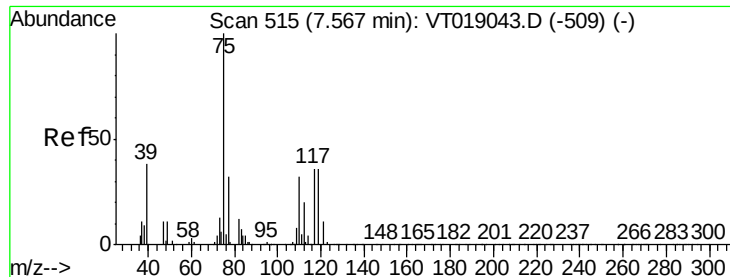
Tot Ion:114 Resp: 1870873
Ion Ratio Lower Upper
114 100
63 24.5 0.0 48.8
88 18.6 0.0 37.0



#34
Dibromofluoromethane
Concen: 4.66 ug/l
RT: 7.37 min Scan# 498
Delta R.T. 0.01 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

Tgt Ion:113 Resp: 47194
Ion Ratio Lower Upper
113 100
111 91.6 84.0 126.0
192 17.5 12.9 19.3





#35

1,1-Dichloropropene

Concen: 5.66 ug/l

RT: 7.57 min Scan# 515

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

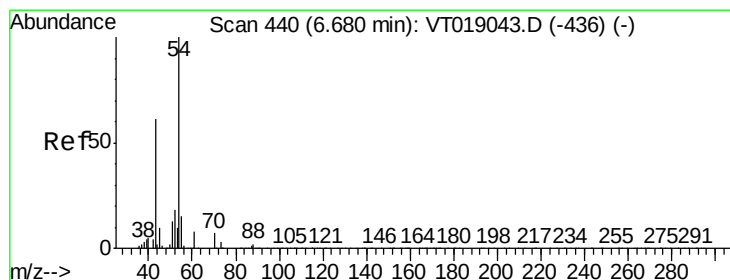
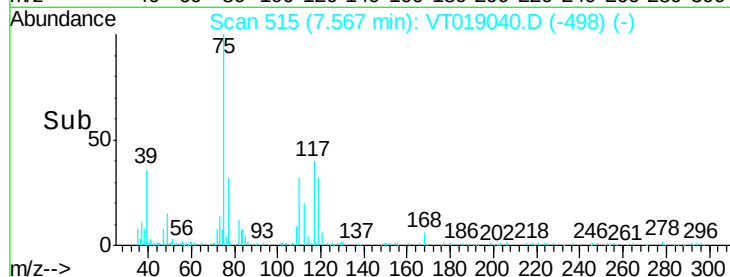
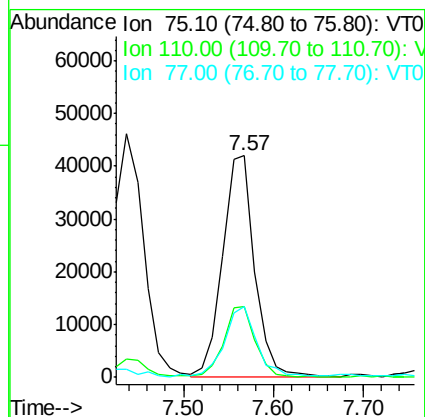
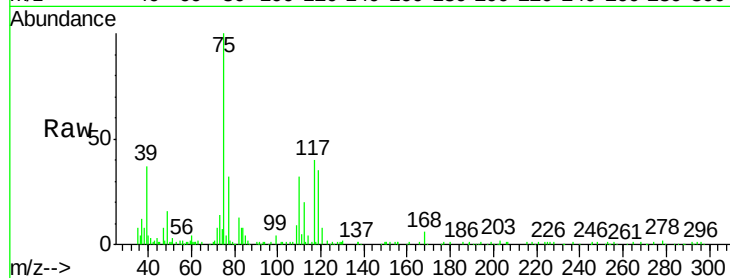
Tot Ion: 75 Resp: 104680

Ion Ratio Lower Upper

75 100

110 32.2 15.9 47.6

77 32.2 25.9 38.9



#36

Ethyl Acetate

Concen: 4.36 ug/l

RT: 6.68 min Scan# 440

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

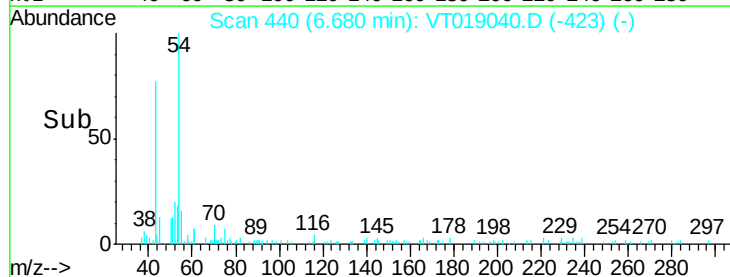
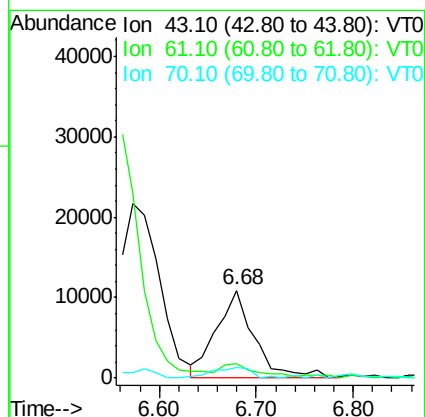
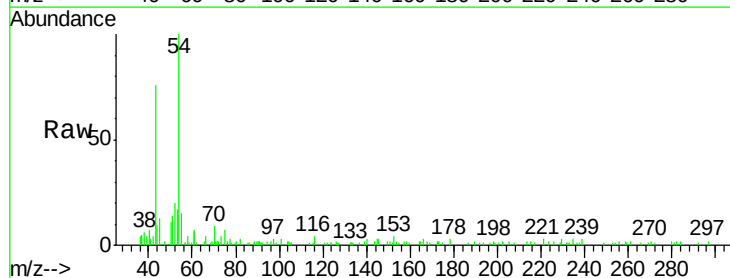
Tgt Ion: 43 Resp: 29783

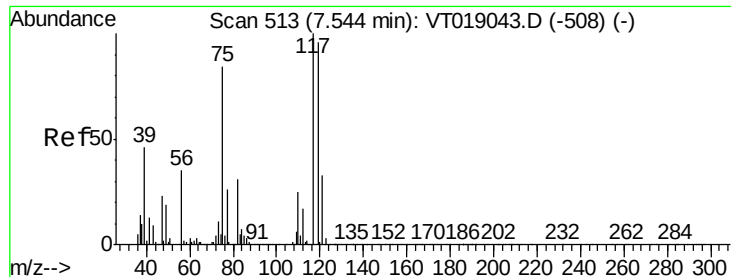
Ion Ratio Lower Upper

43 100

61 18.6 14.2 21.2

70 11.7 8.4 12.6





#37

Carbon Tetrachloride

Concen: 5.52 ug/l

RT: 7.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

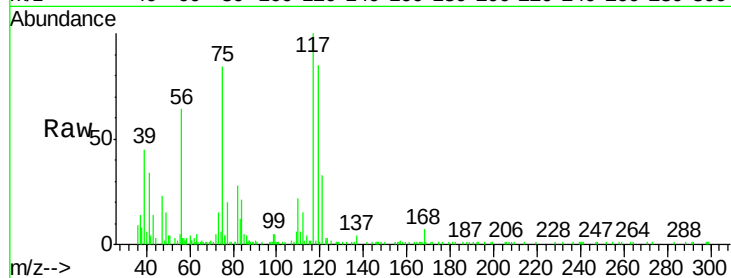
Tot Ion:117 Resp: 85378

Ion Ratio Lower Upper

117 100

119 84.9 76.5 114.7

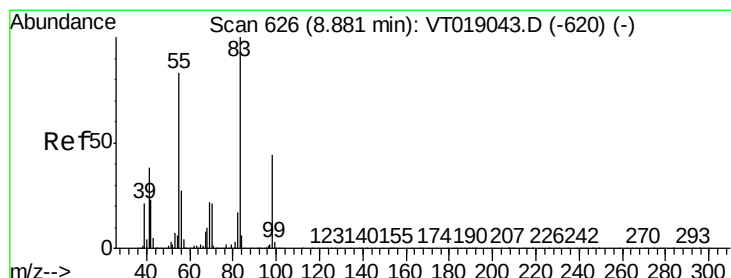
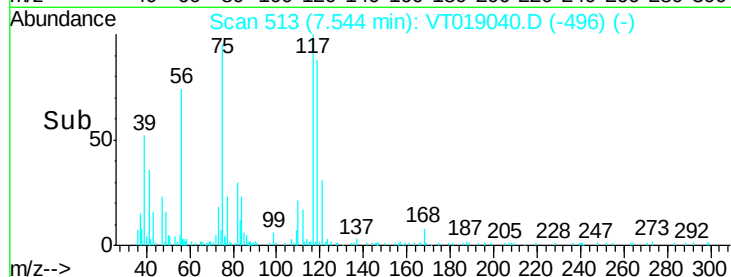
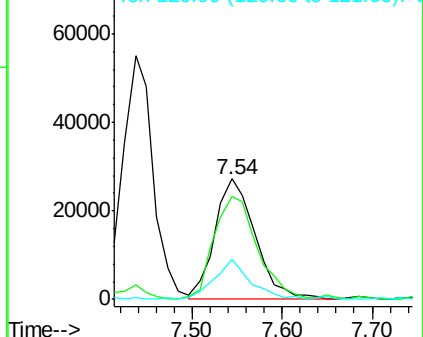
121 33.4 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

Ion 120.90 (120.60 to 121.60): V



#38

Methylcyclohexane

Concen: 5.02 ug/l

RT: 8.88 min Scan# 626

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

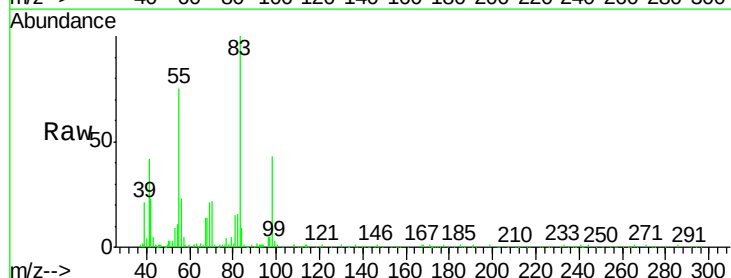
Tgt Ion: 83 Resp: 118668

Ion Ratio Lower Upper

83 100

55 75.4 66.7 100.1

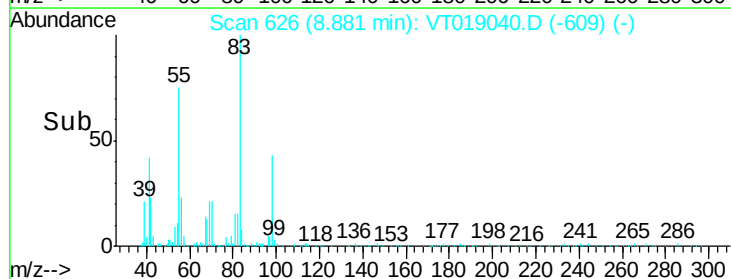
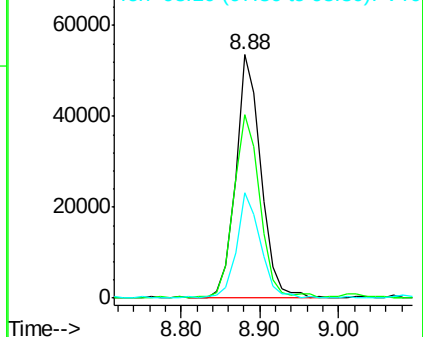
98 43.1 35.5 53.3

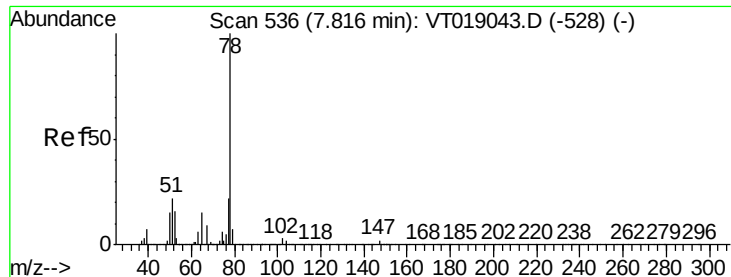


Abundance Ion 83.10 (82.80 to 83.80): VT0

Ion 55.10 (54.80 to 55.80): VT0

Ion 98.10 (97.80 to 98.80): VT0





#39

Benzene

Concen: 5.79 ug/l

RT: 7.82 min Scan# 536

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

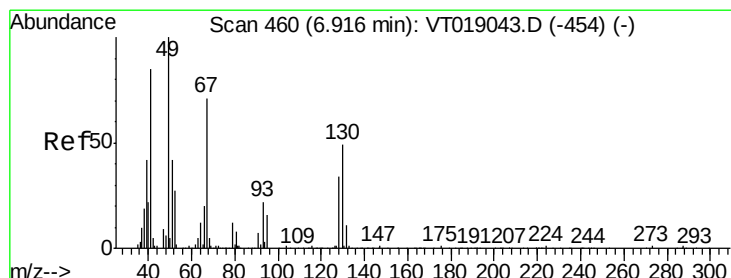
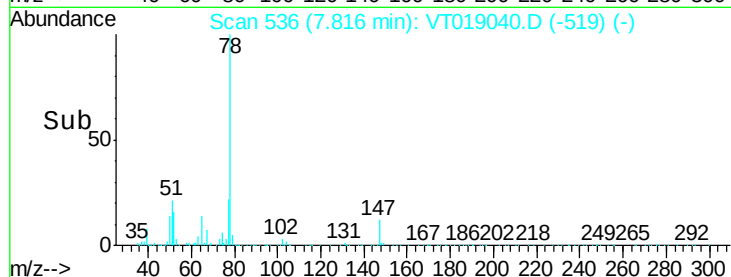
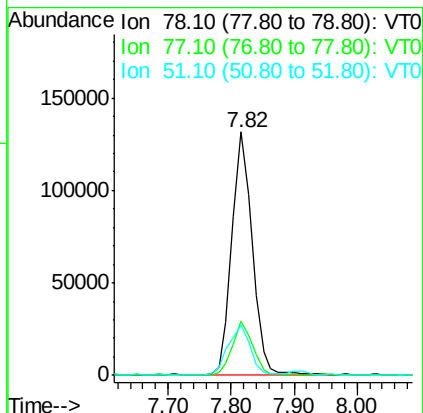
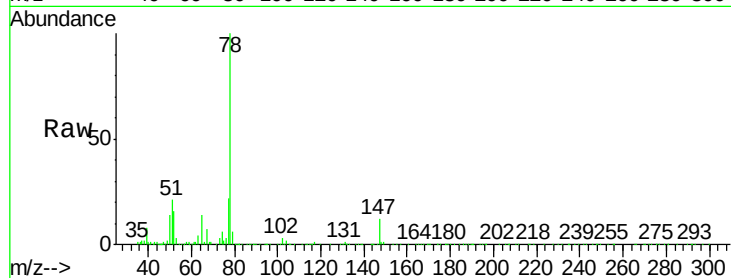
Tot Ion: 78 Resp: 295994

Ion Ratio Lower Upper

78 100

77 22.2 18.0 27.0

51 20.6 17.3 25.9



#40

Methacrylonitrile

Concen: 3.79 ug/l

RT: 6.90 min Scan# 459

Delta R.T. -0.01 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Tgt Ion: 41 Resp: 15287

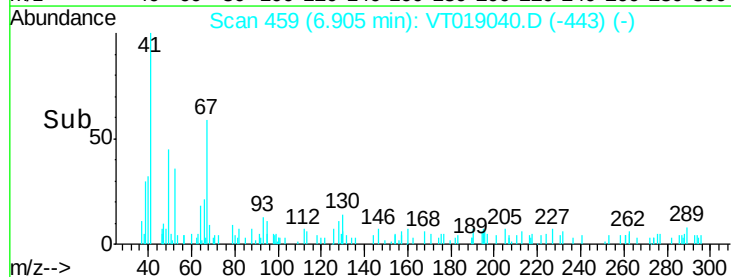
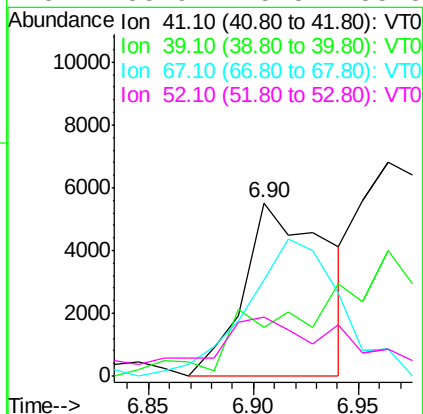
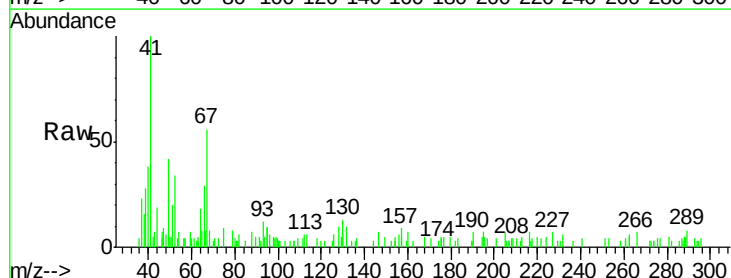
Ion Ratio Lower Upper

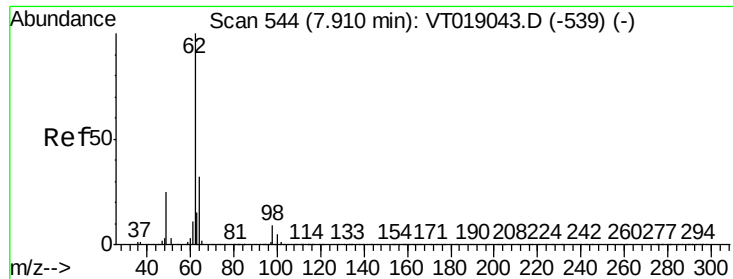
41 100

39 28.0 39.4 59.0#

67 55.7 66.8 100.2#

52 33.9 25.5 38.3

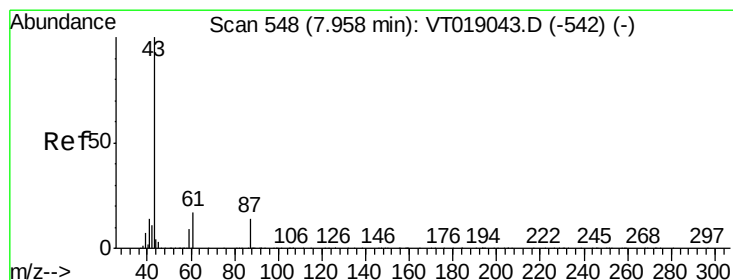
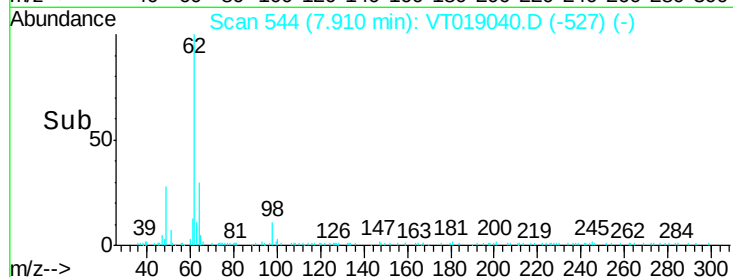
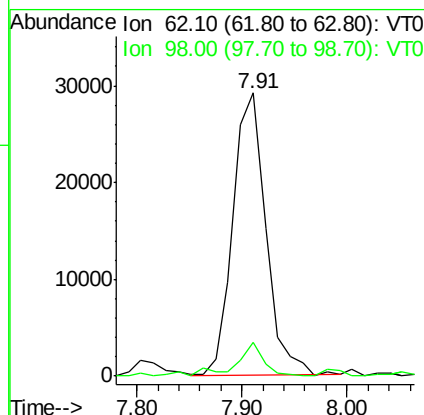
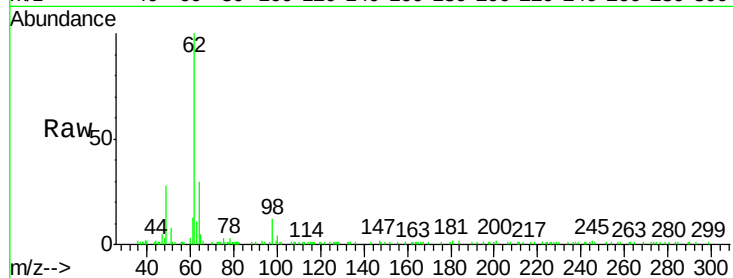




#41
 1,2-Dichloroethane
 Concen: 5.13 ug/l
 RT: 7.91 min Scan# 544
 Delta R.T. 0.00 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

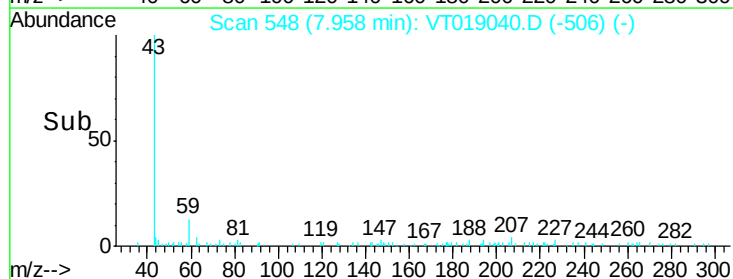
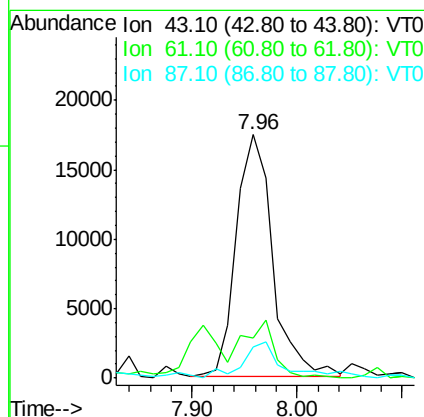
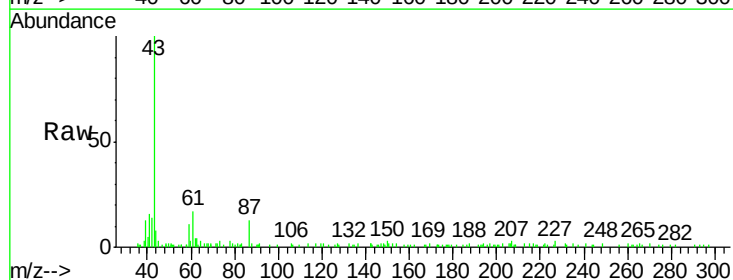
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC005

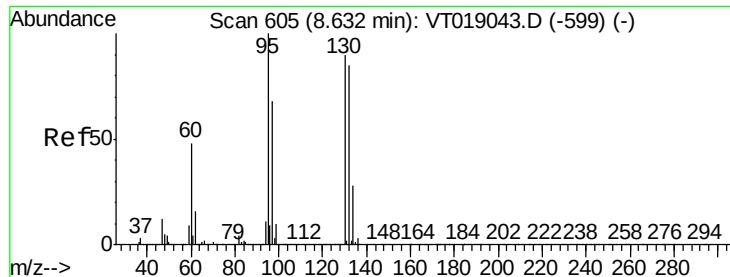
Tot Ion: 62 Resp: 63038
 Ion Ratio Lower Upper
 62 100
 98 11.8 0.0 17.4



#42
 Isopropyl Acetate
 Concen: 3.71 ug/l
 RT: 7.96 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

Tgt Ion: 43 Resp: 41561
 Ion Ratio Lower Upper
 43 100
 61 16.6 17.9 26.9#
 87 12.6 11.0 16.6





#43

Trichloroethene

Concen: 4.78 ug/l

RT: 8.63 min Scan# 605

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

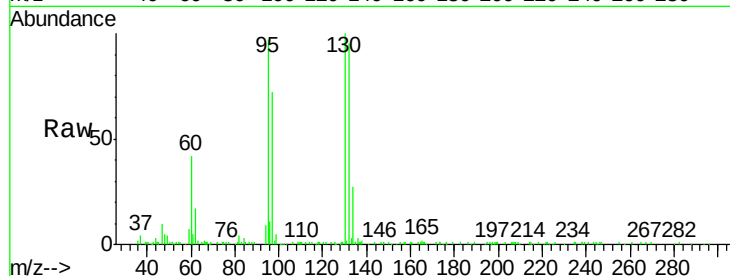
VSTDIC005

Tot Ion:130 Resp: 61856

Ion Ratio Lower Upper

130 100

95 97.4 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

40000

30000

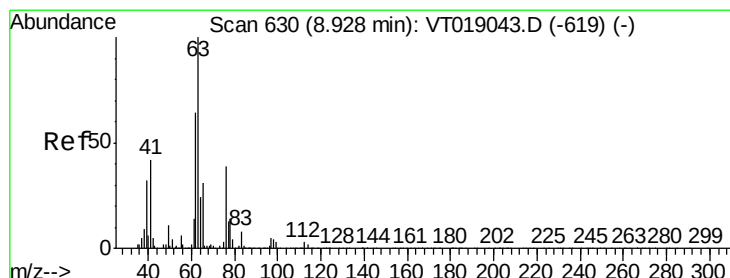
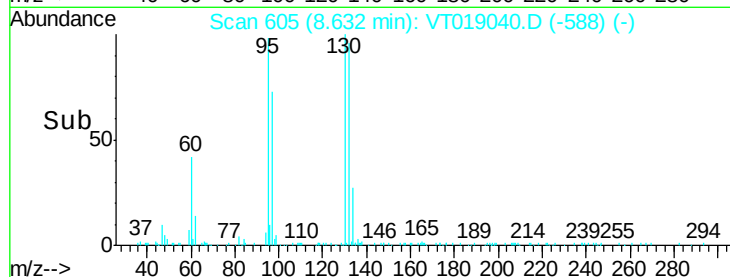
20000

10000

0

8.50 8.55 8.60 8.65 8.70

Time-->



#44

1,2-Dichloropropane

Concen: 5.52 ug/l

RT: 8.93 min Scan# 630

Delta R.T. 0.00 min

Lab File: VT019040.D

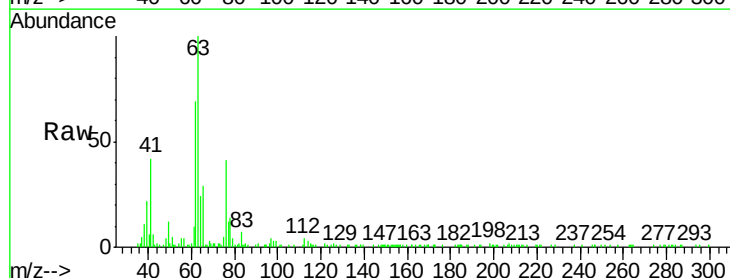
Acq: 8 May 2018 17:16

Tgt Ion: 63 Resp: 65387

Ion Ratio Lower Upper

63 100

65 29.2 25.0 37.4



Abundance Ion 63.10 (62.80 to 63.80): VT0

Ion 65.10 (64.80 to 65.80): VT0

8.93

30000

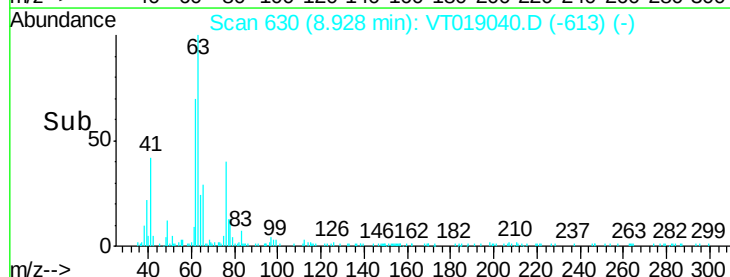
20000

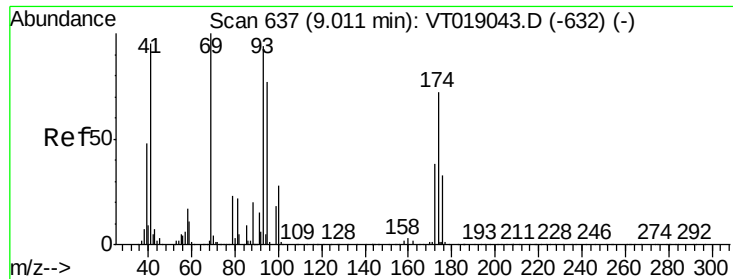
10000

0

8.80 8.90 9.00 9.10

Time-->

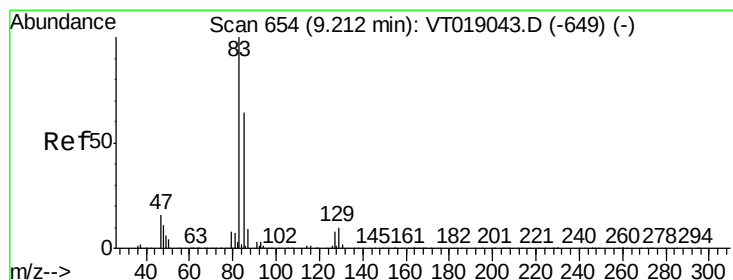
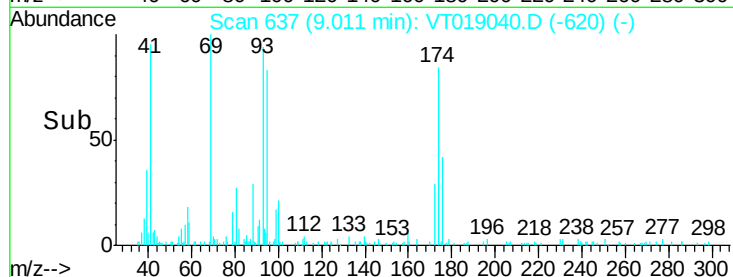
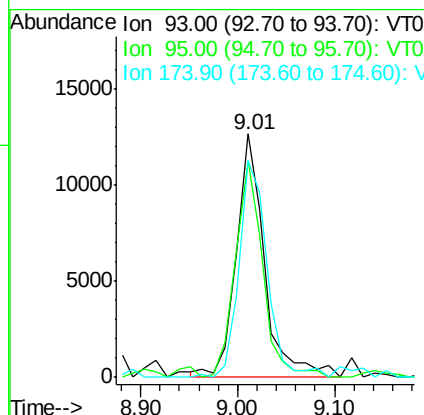
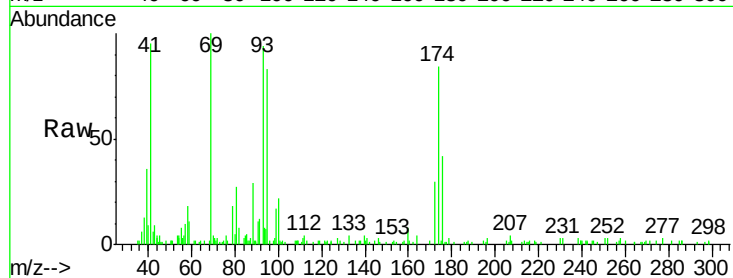




#45
Dibromomethane
Concen: 4.95 ug/l
RT: 9.01 min Scan# 637
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

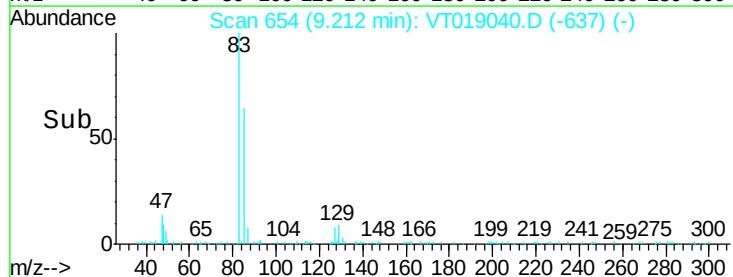
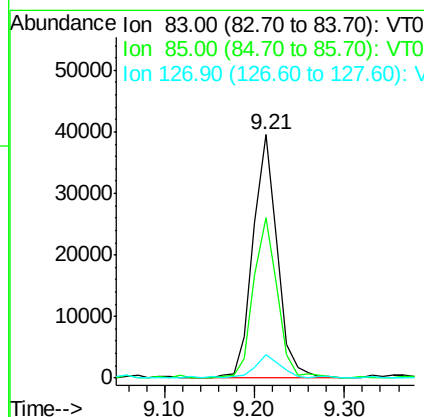
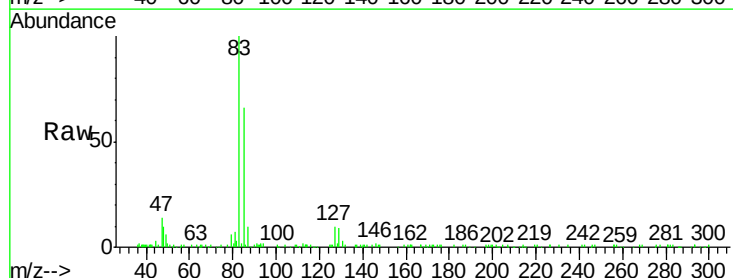
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

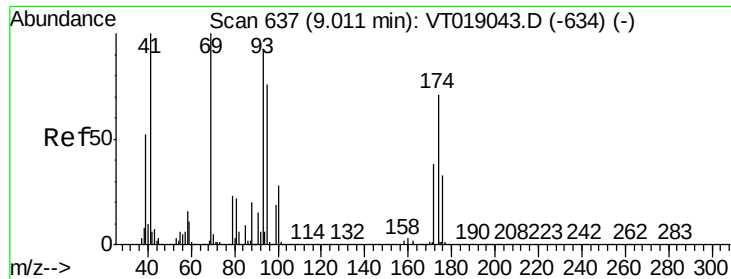
Tot Ion: 93 Resp: 25744
Ion Ratio Lower Upper
93 100
95 88.9 65.5 98.3
174 89.0 60.9 91.3



#46
Bromodichloromethane
Concen: 5.48 ug/l
RT: 9.21 min Scan# 654
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

Tgt Ion: 83 Resp: 74093
Ion Ratio Lower Upper
83 100
85 66.1 51.3 76.9
127 9.5 6.1 9.1#

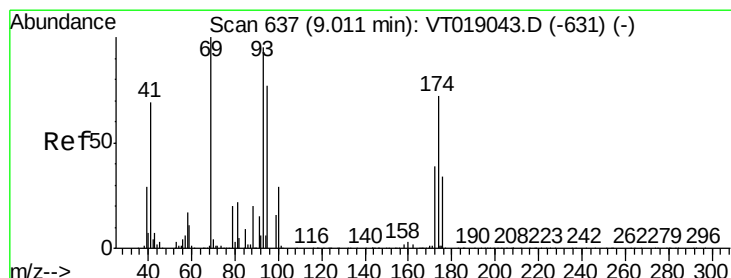
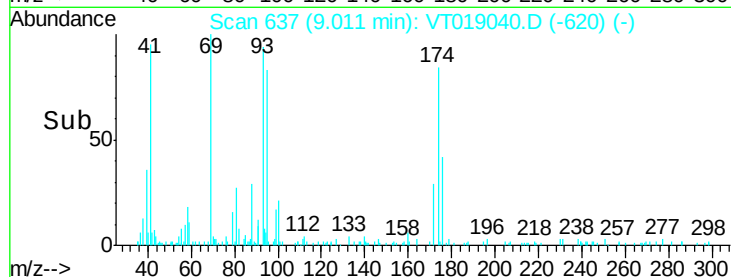
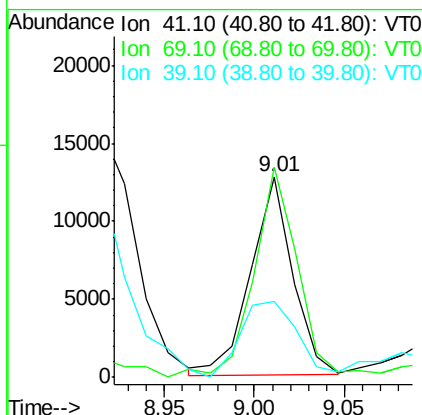
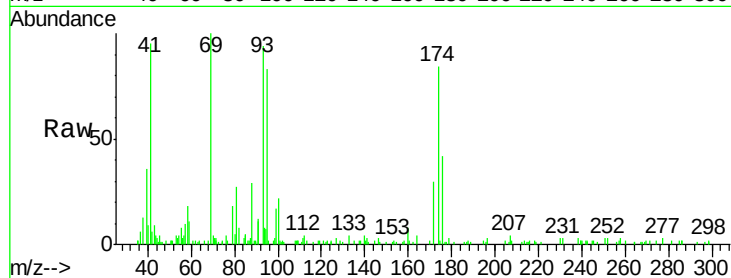




#47
Methvl methacrylate
Concen: 3.28 ug/l
RT: 9.01 min Scan# 637
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

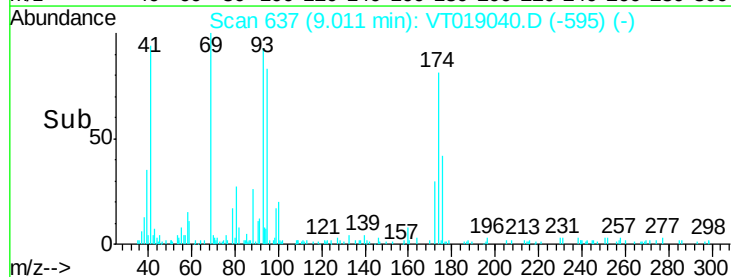
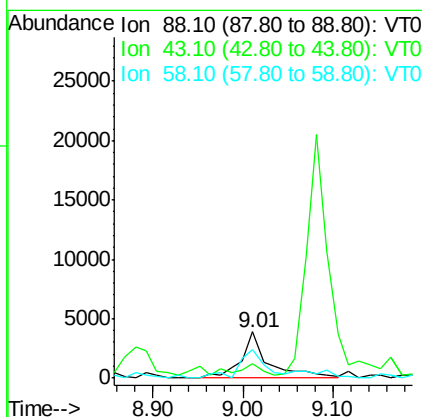
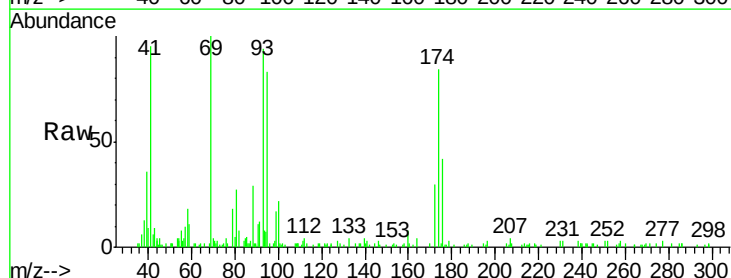
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

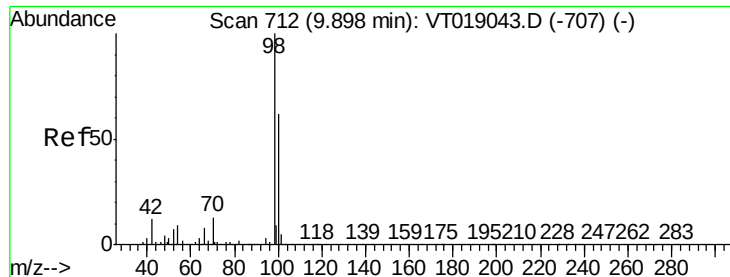
Tot Ion: 41 Resp: 20831
Ion Ratio Lower Upper
41 100
69 105.1 78.4 117.6
39 37.9 41.4 62.2#



#48
1,4-Dioxane
Concen: 120.99 ug/l
RT: 9.01 min Scan# 637
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

Tgt Ion: 88 Resp: 8472
Ion Ratio Lower Upper
88 100
43 47.9 30.5 45.7#
58 61.7 67.5 101.3#





#49

Toluene-d8

Concen: 4.94 ug/l

RT: 9.90 min Scan# 712

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

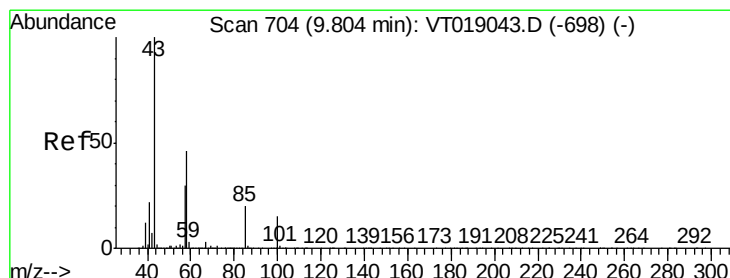
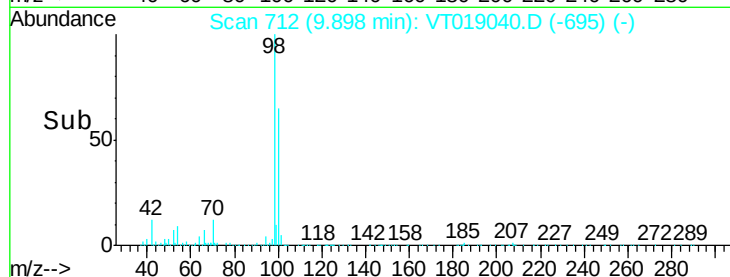
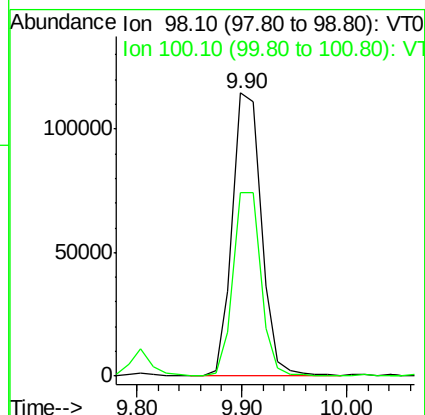
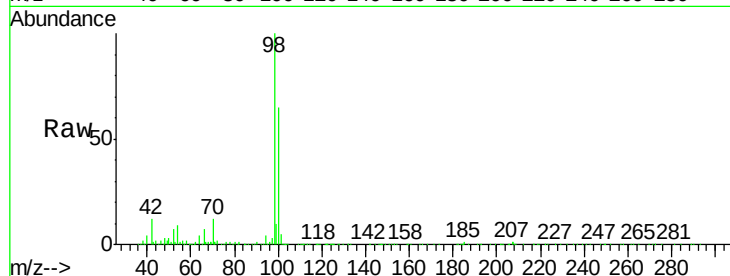
VSTDIC005

Tot Ion: 98 Resp: 219862

Ion Ratio Lower Upper

98 100

100 64.6 50.0 75.0



#50

4-Methyl-2-Pentanone

Concen: 19.46 ug/l

RT: 9.80 min Scan# 704

Delta R.T. 0.00 min

Lab File: VT019040.D

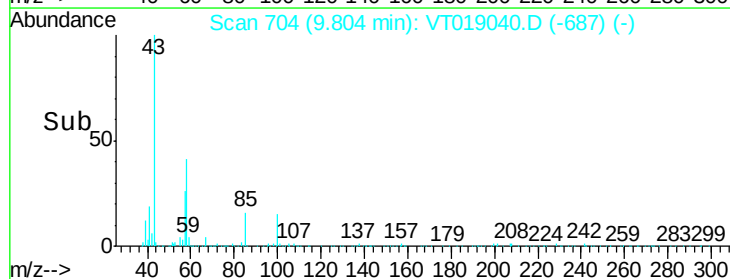
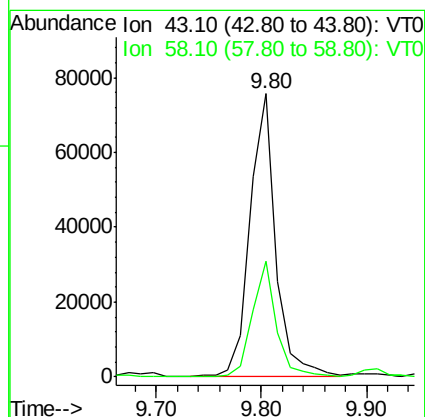
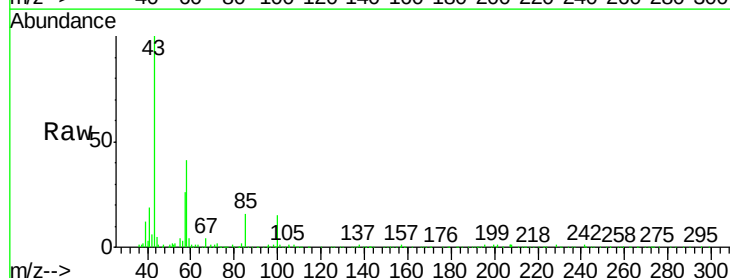
Acq: 8 May 2018 17:16

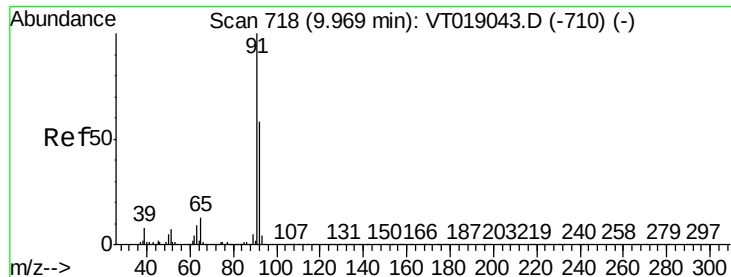
Tgt Ion: 43 Resp: 129299

Ion Ratio Lower Upper

43 100

58 40.8 36.6 54.8





#51

Toluene

Concen: 4.83 ug/l

RT: 9.97 min Scan# 718

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

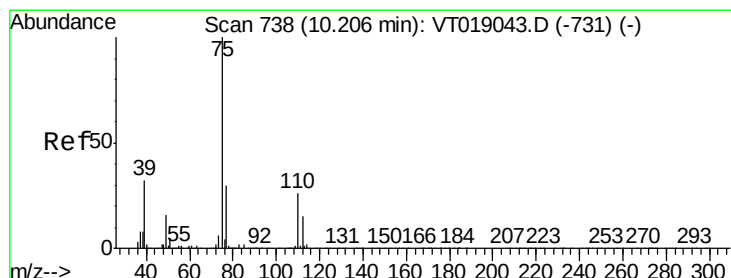
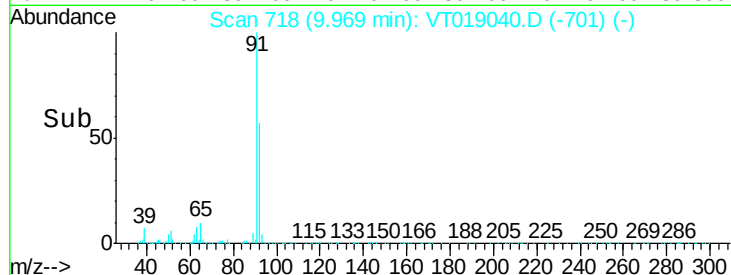
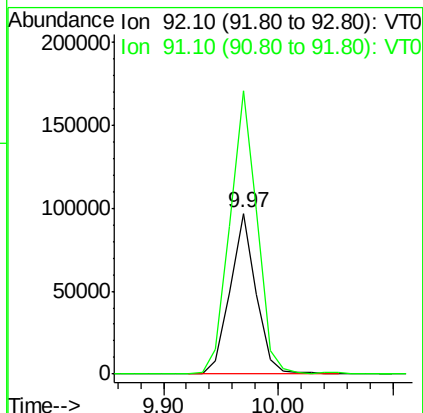
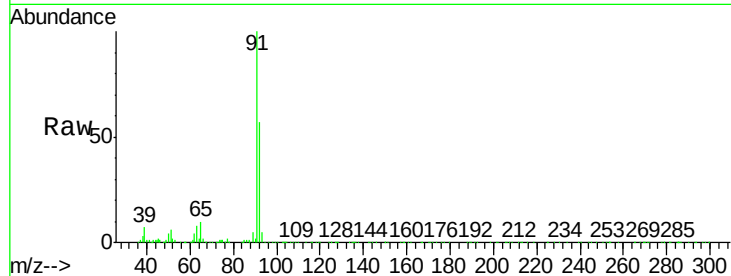
VSTDIC005

Tot Ion: 92 Resp: 152950

Ion Ratio Lower Upper

92 100

91 176.2 137.8 206.6



#52

t-1,3-Dichloropropene

Concen: 4.62 ug/l

RT: 10.19 min Scan# 737

Delta R.T. -0.01 min

Lab File: VT019040.D

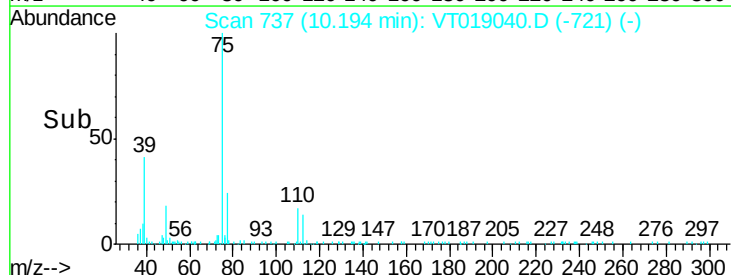
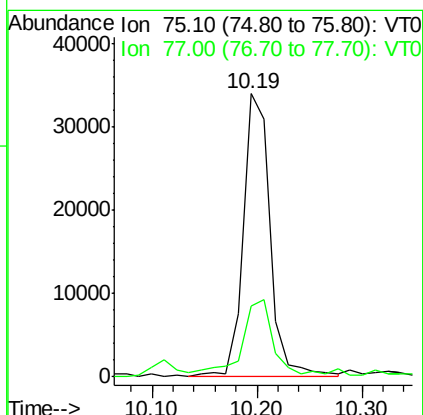
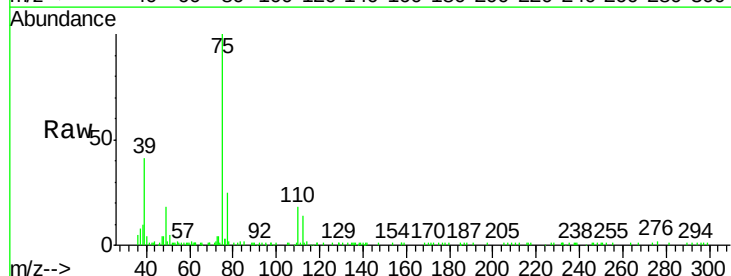
Acq: 8 May 2018 17:16

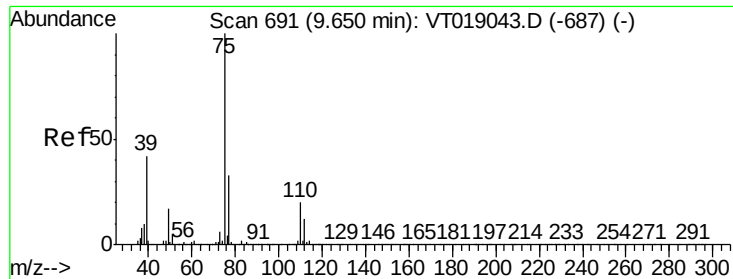
Tgt Ion: 75 Resp: 60146

Ion Ratio Lower Upper

75 100

77 25.1 24.6 36.8





#53

cis-1,3-Dichloropropene

Concen: 4.65 ug/l

RT: 9.65 min Scan# 691

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

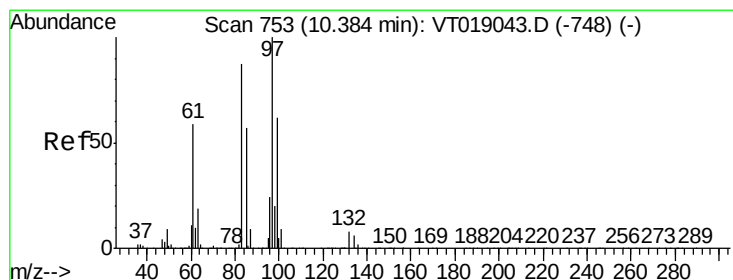
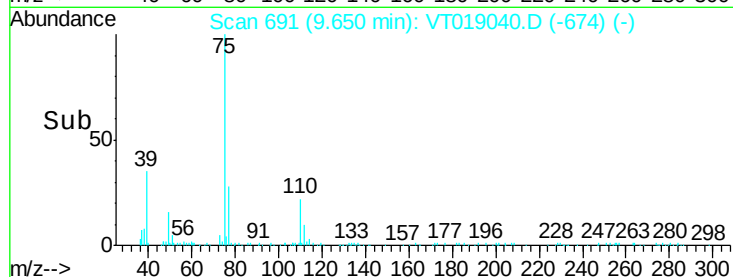
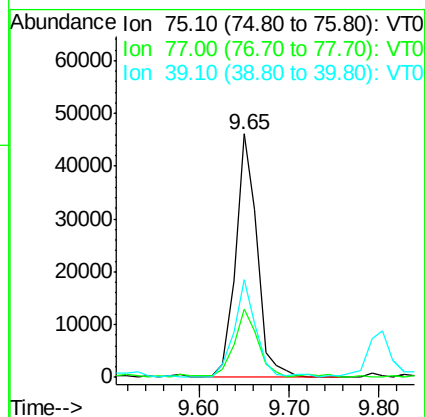
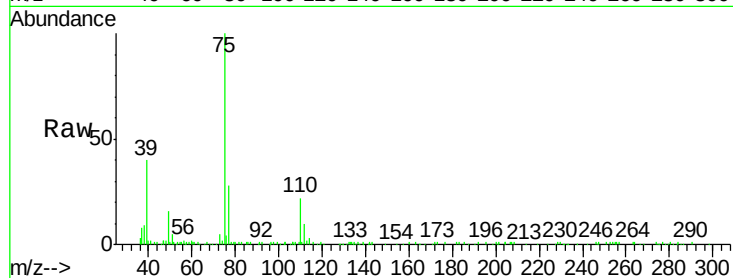
Tot Ion: 75 Resp: 76458

Ion Ratio Lower Upper

75 100

77 28.0 26.6 39.8

39 40.1 34.1 51.1



#54

1,1,2-Trichloroethane

Concen: 5.45 ug/l

RT: 10.38 min Scan# 753

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Tgt Ion: 97 Resp: 42300

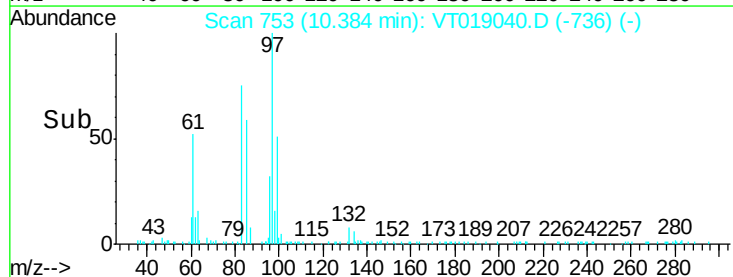
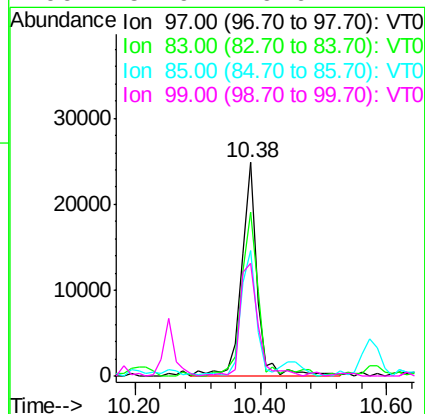
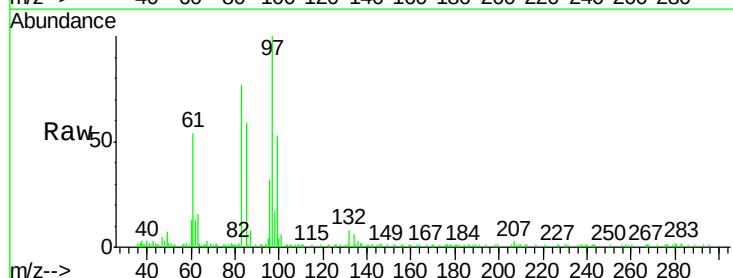
Ion Ratio Lower Upper

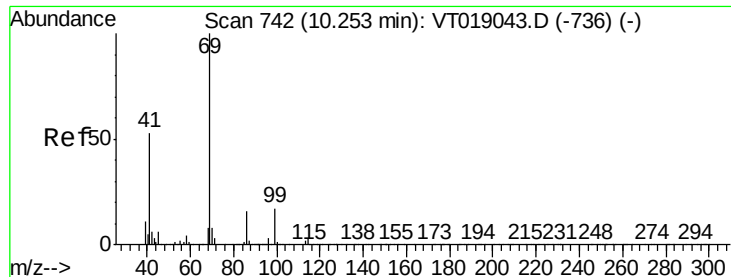
97 100

83 76.6 69.7 104.5

85 58.6 46.1 69.1

99 52.9 49.6 74.4





#55

Ethyl methacrylate

Concen: 4.14 ug/l

RT: 10.25 min Scan# 742

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

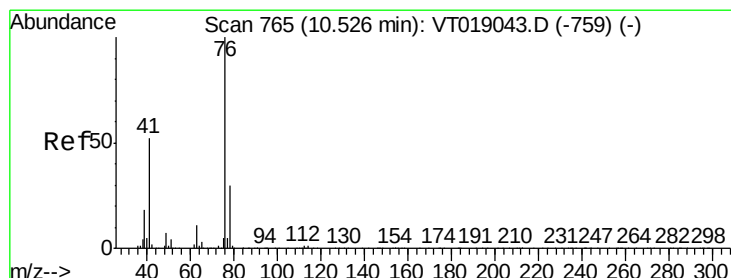
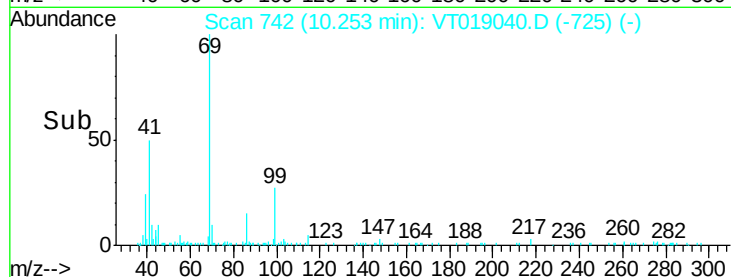
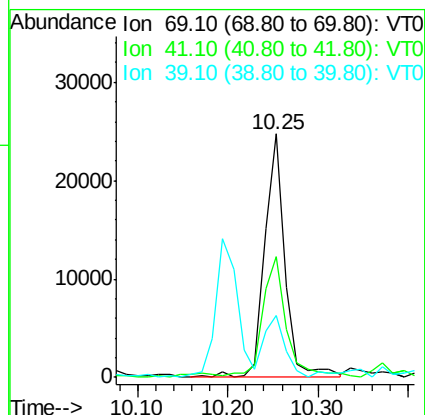
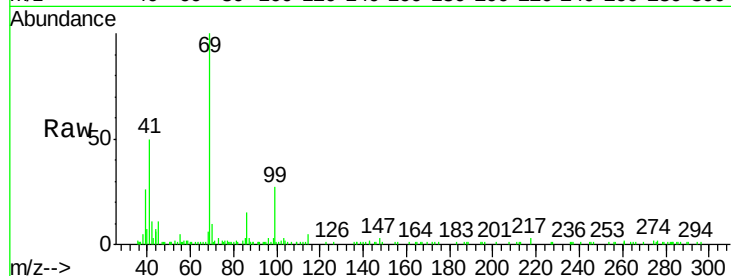
Tot Ion: 69 Resp: 39206

Ion Ratio Lower Upper

69 100

41 49.6 42.9 64.3

39 25.7 21.2 31.8



#56

1,3-Dichloropropane

Concen: 4.98 ug/l

RT: 10.53 min Scan# 765

Delta R.T. 0.00 min

Lab File: VT019040.D

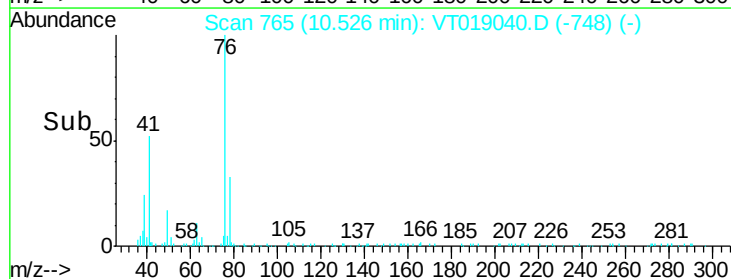
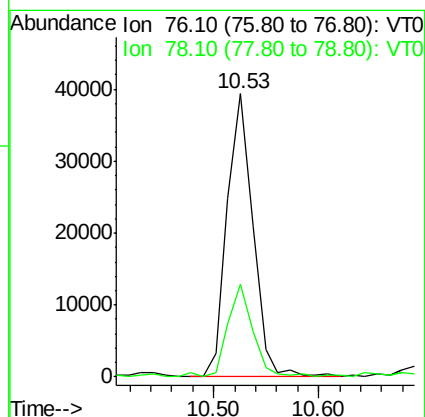
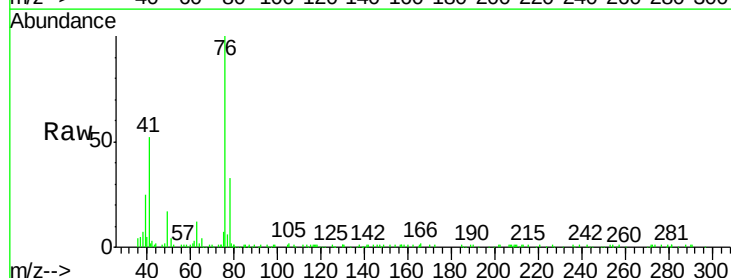
Acq: 8 May 2018 17:16

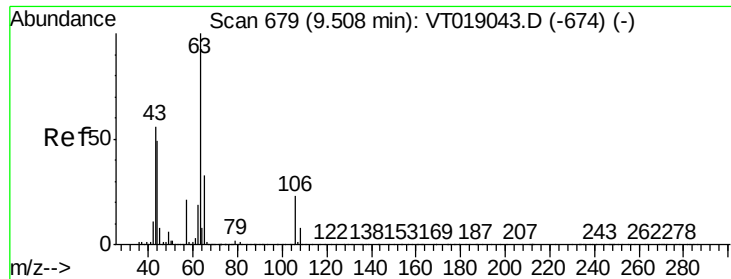
Tgt Ion: 76 Resp: 67094

Ion Ratio Lower Upper

76 100

78 32.8 24.1 36.1

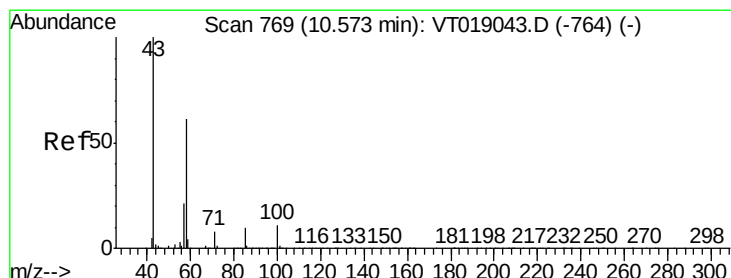
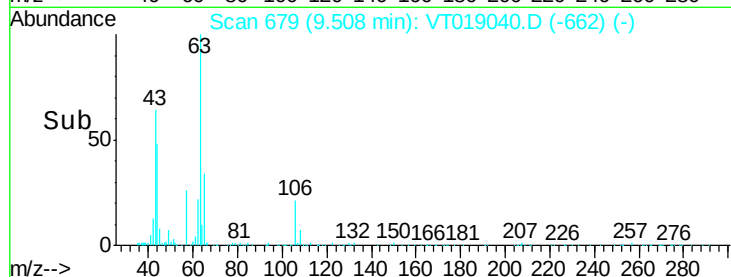
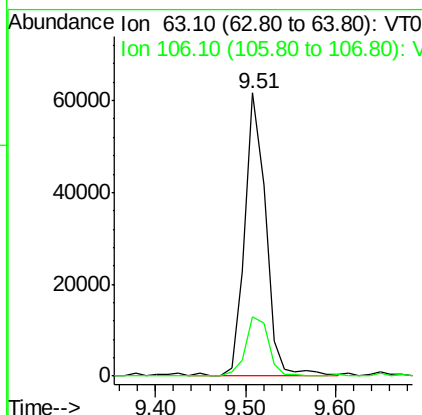
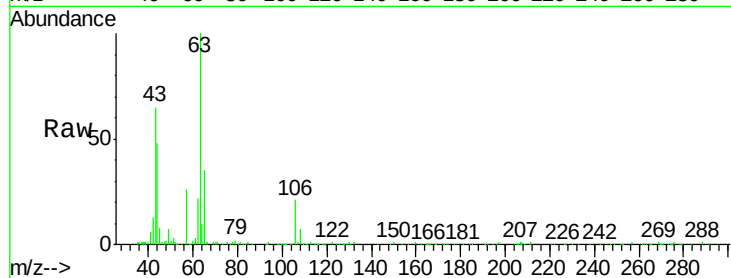




#57
 2-Chloroethyl Vinyl ether
 Concen: 25.54 ug/l
 RT: 9.51 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

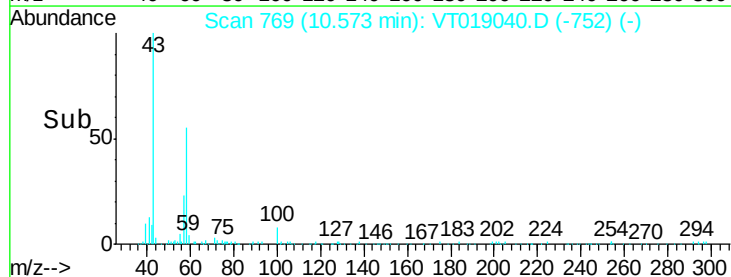
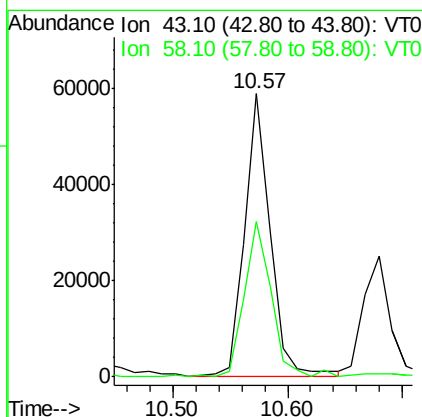
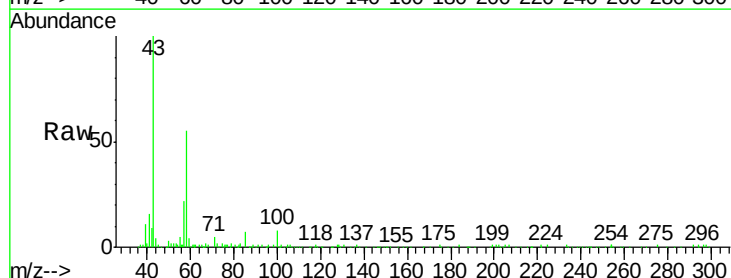
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC005

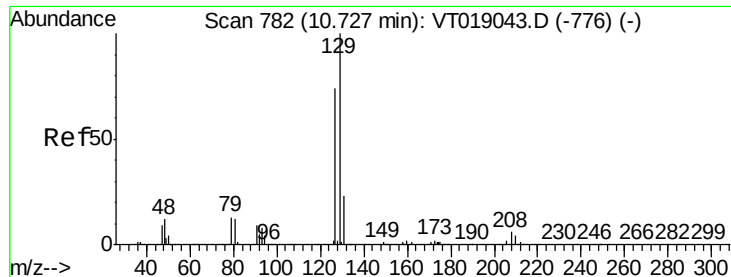
Tot Ion: 63 Resp: 100682
 Ion Ratio Lower Upper
 63 100
 106 21.2 18.7 28.1



#58
 2-Hexanone
 Concen: 18.42 ug/l
 RT: 10.57 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

Tgt Ion: 43 Resp: 92438
 Ion Ratio Lower Upper
 43 100
 58 54.7 30.6 92.0





#59

Dibromochloromethane

Concen: 4.31 ug/l

RT: 10.73 min Scan# 782

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

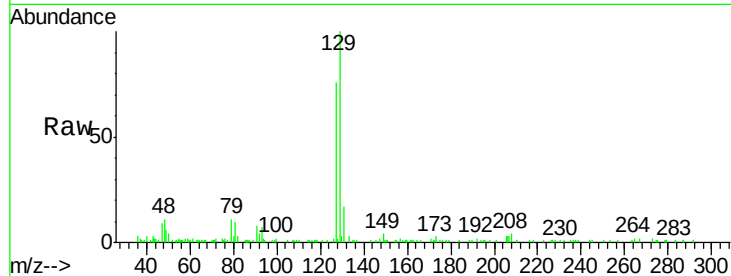
VSTDIC005

Tot Ion:129 Resp: 38611

Ion Ratio Lower Upper

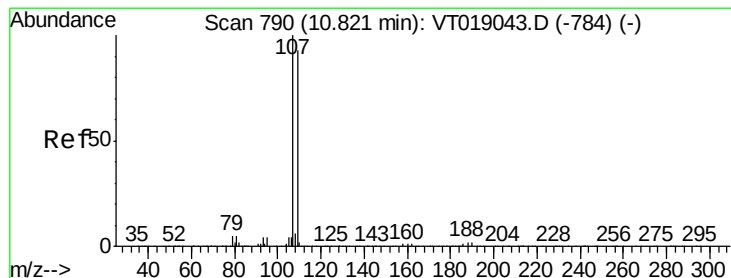
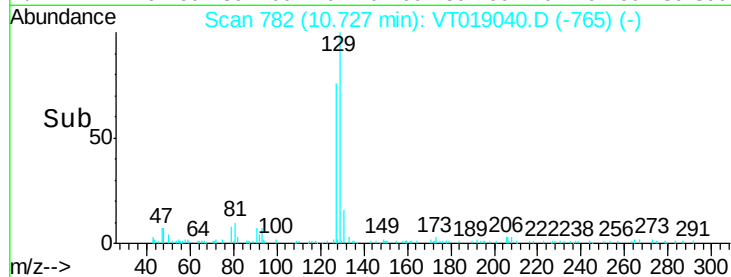
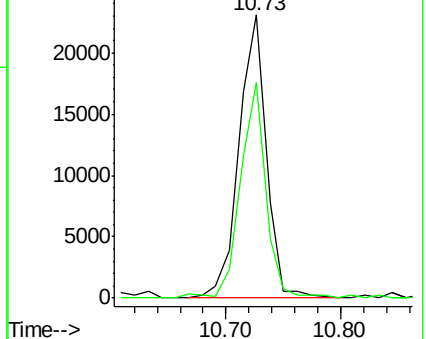
129 100

127 76.2 37.3 111.8



Abundance Ion 128.90 (128.60 to 129.60): V

Ion 126.90 (126.60 to 127.60): V



#60

1,2-Dibromoethane

Concen: 4.58 ug/l

RT: 10.82 min Scan# 790

Delta R.T. 0.00 min

Lab File: VT019040.D

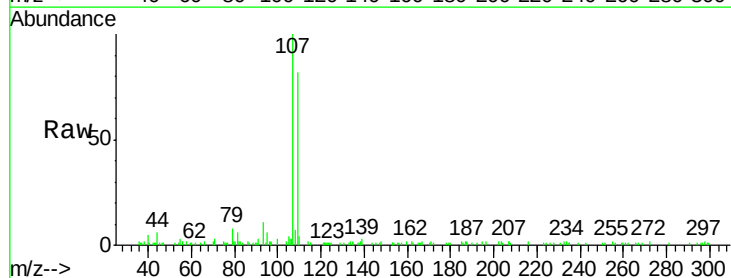
Acq: 8 May 2018 17:16

Tgt Ion:107 Resp: 32759

Ion Ratio Lower Upper

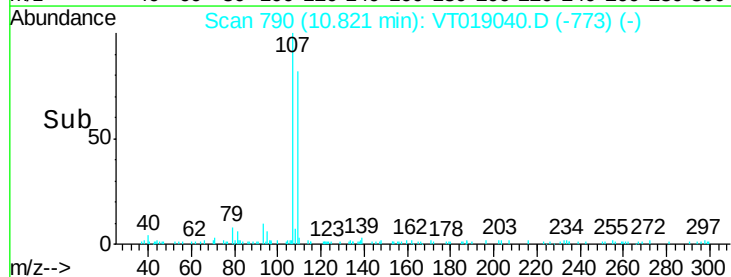
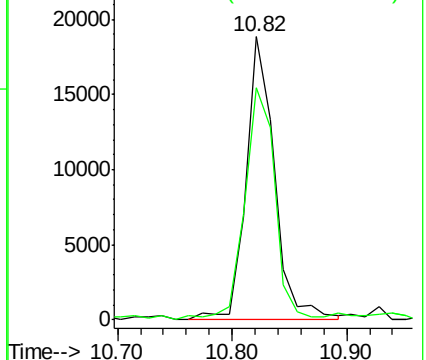
107 100

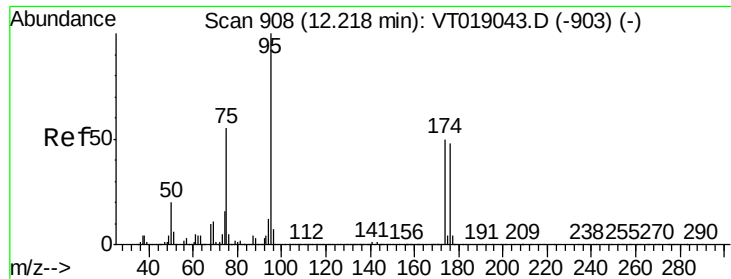
109 82.2 74.3 111.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#61

4-Bromofluorobenzene

Concen: 4.86 ug/l

RT: 12.23 min Scan# 909

Delta R.T. 0.01 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

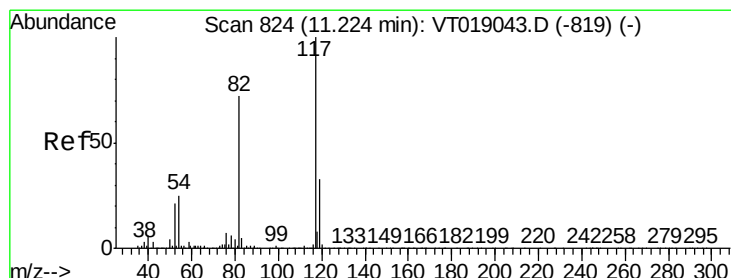
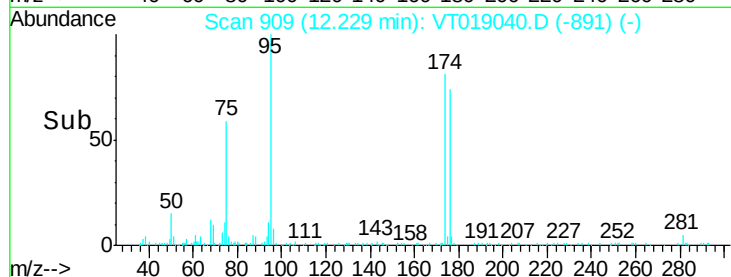
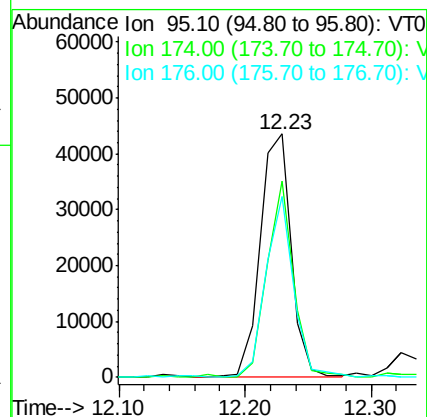
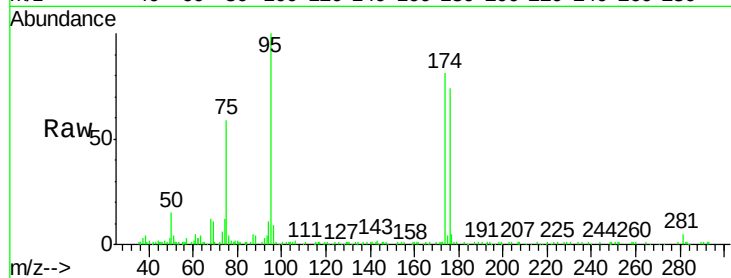
Tot Ion: 95 Resp: 74995

Ion Ratio Lower Upper

95 100

174 80.7 0.0 100.0

176 74.2 0.0 96.6



#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.22 min Scan# 824

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

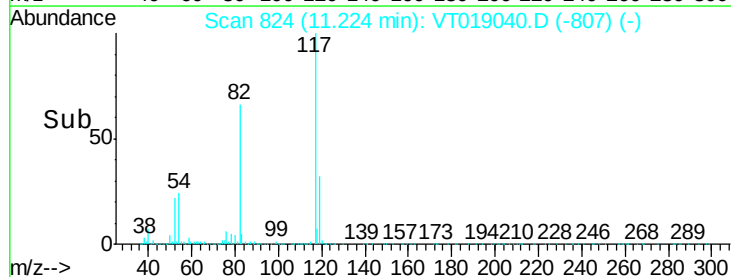
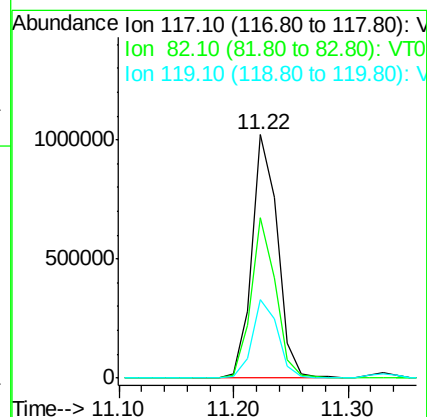
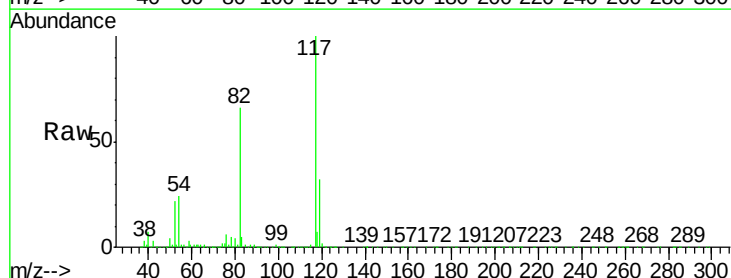
Tgt Ion: 117 Resp: 1607050

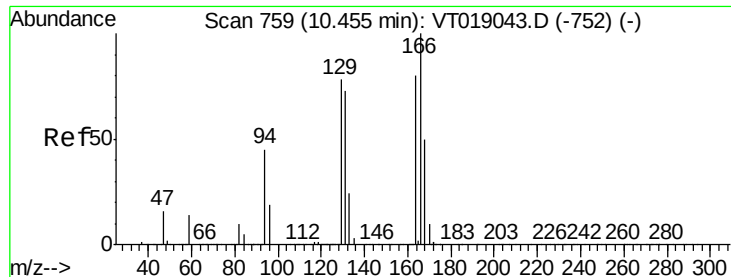
Ion Ratio Lower Upper

117 100

82 65.8 57.6 86.4

119 32.0 26.6 40.0

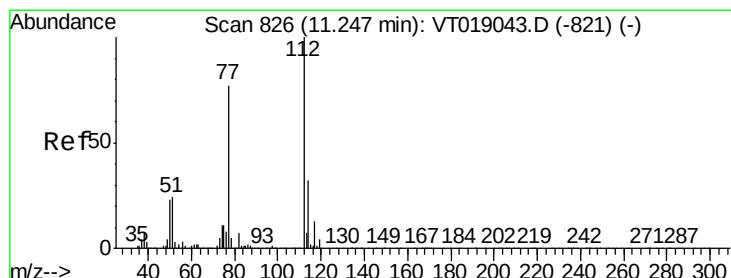
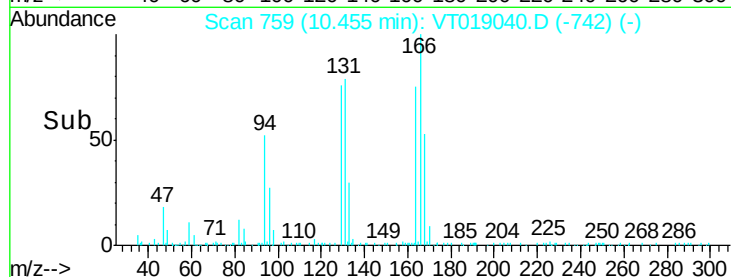
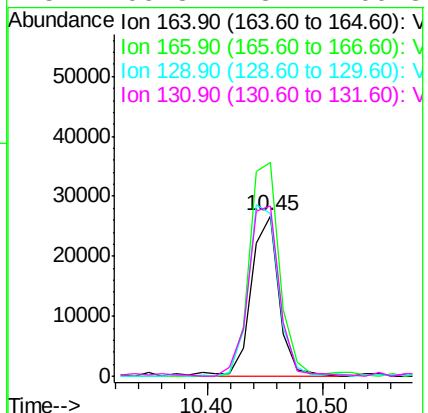
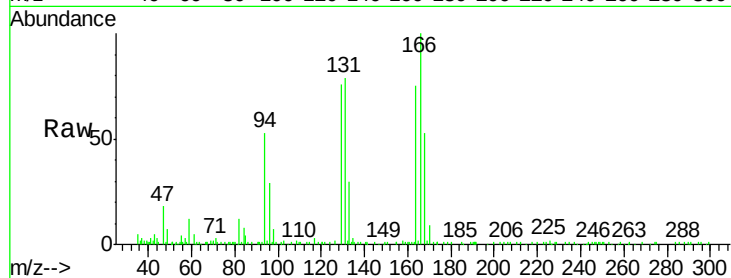




#63
Tetrachloroethene
Concen: 3.88 ug/l
RT: 10.45 min Scan# 759
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

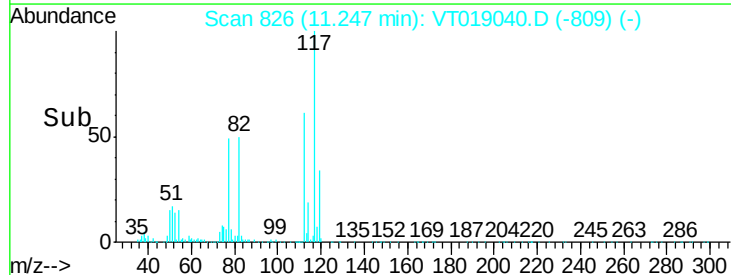
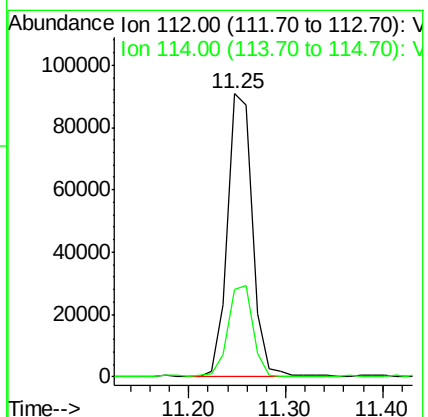
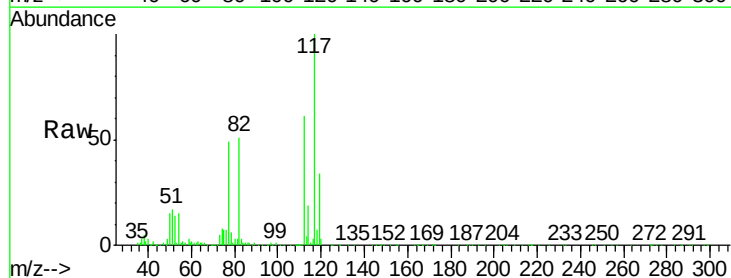
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

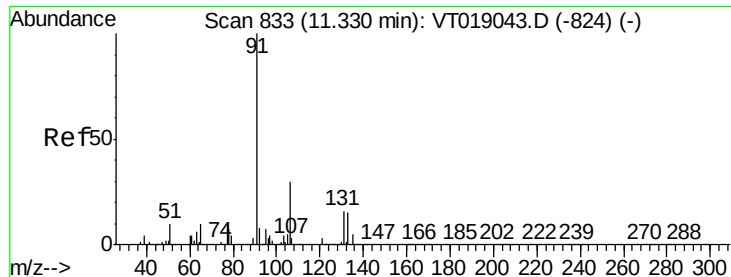
Tot Ion	Ratio	Lower	Upper
164	100		
166	133.2	100.6	151.0
129	101.0	78.1	117.1
131	105.8	73.2	109.8



#64
Chlorobenzene
Concen: 4.71 ug/l
RT: 11.25 min Scan# 826
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.5	38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 4.57 ug/l

RT: 11.33 min Scan# 833

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

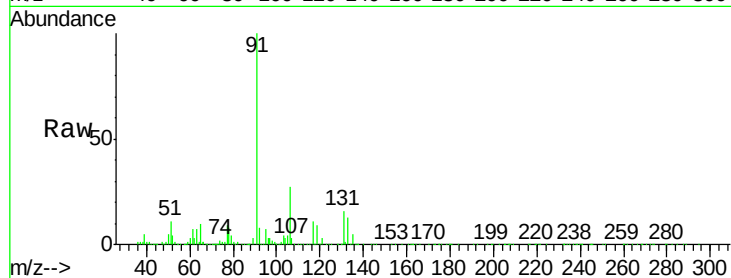
Tot Ion:131 Resp: 49779

Ion Ratio Lower Upper

131 100

133 84.7 47.8 143.3

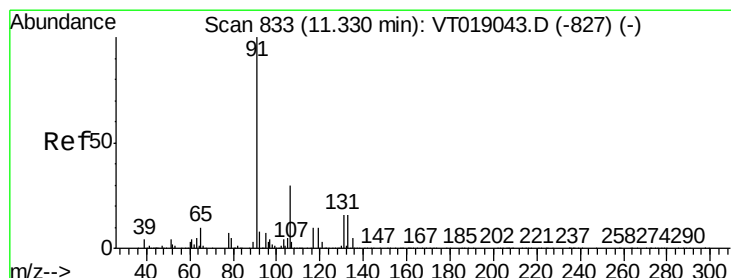
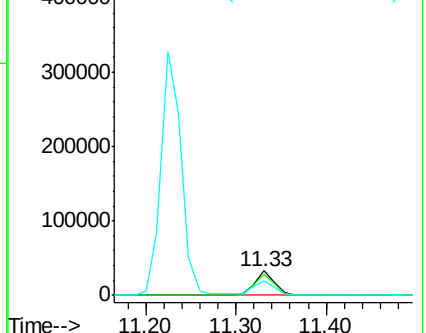
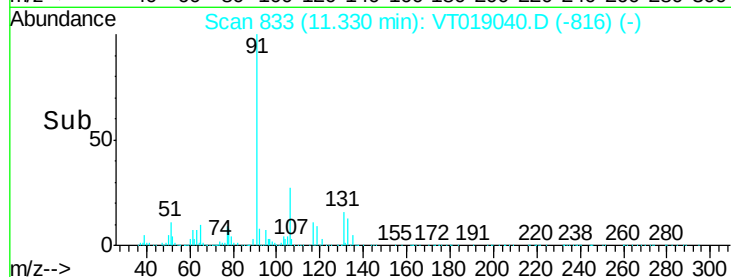
119 60.4 31.8 95.4



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: 5.14 ug/l

RT: 11.33 min Scan# 833

Delta R.T. 0.00 min

Lab File: VT019040.D

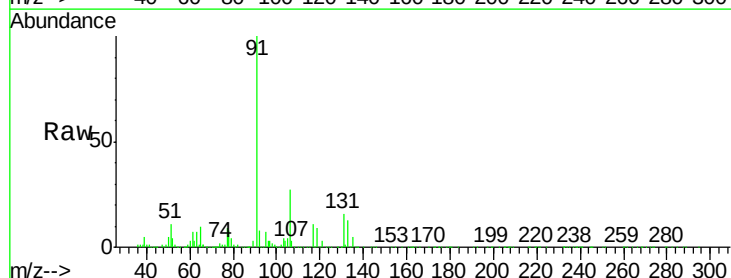
Acq: 8 May 2018 17:16

Tgt Ion: 91 Resp: 310597

Ion Ratio Lower Upper

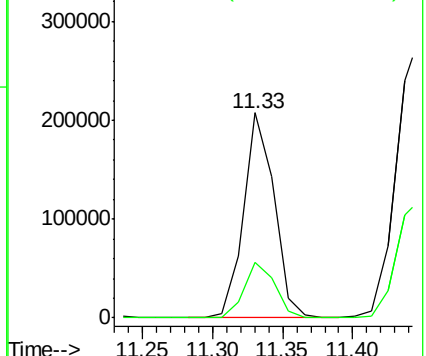
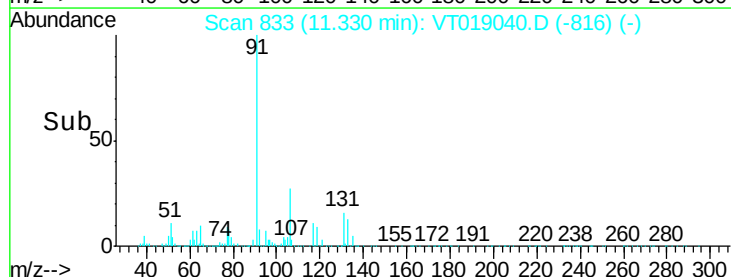
91 100

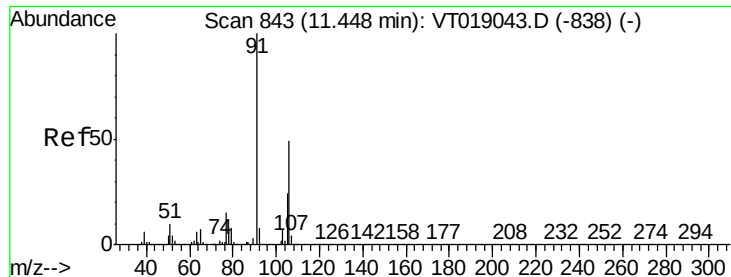
106 27.3 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 106.10 (105.80 to 106.80): V

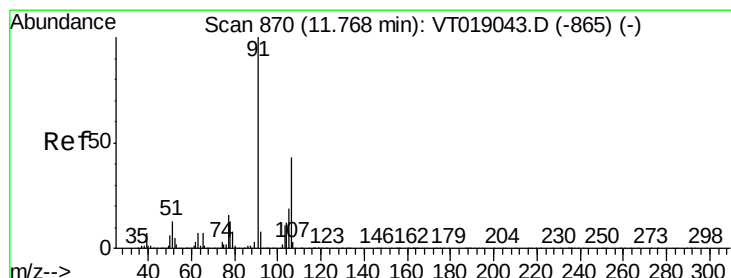
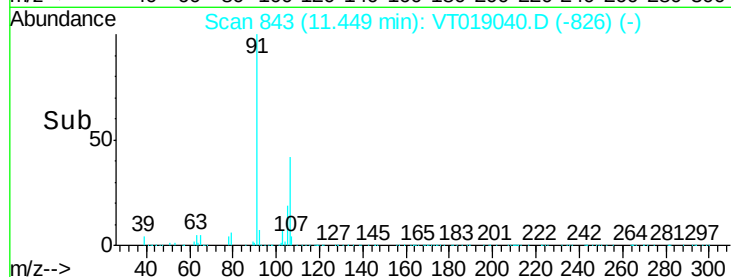
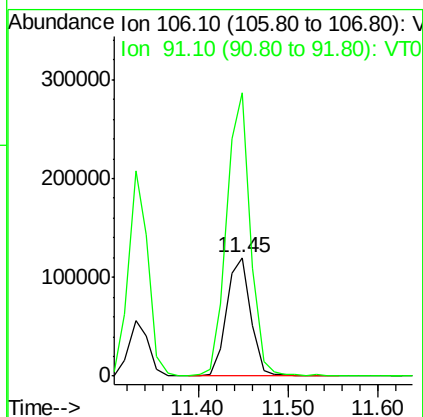
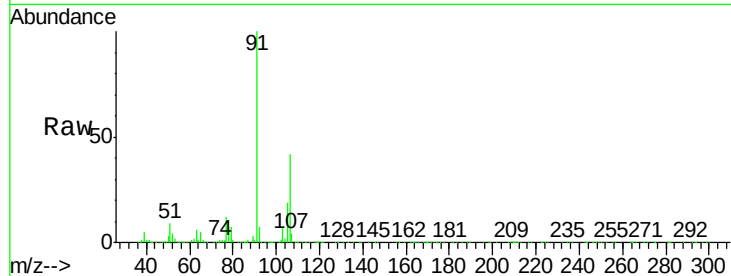




#67
m/p-Xylenes
Concen: 9.26 ug/l
RT: 11.45 min Scan# 843
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

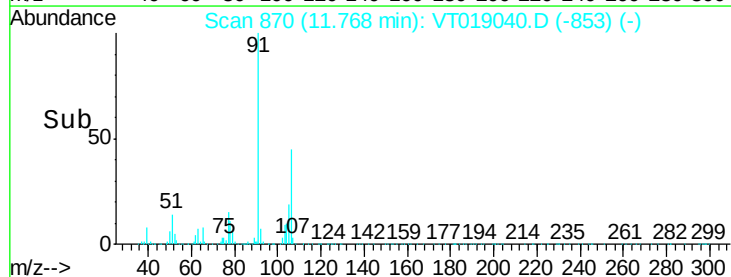
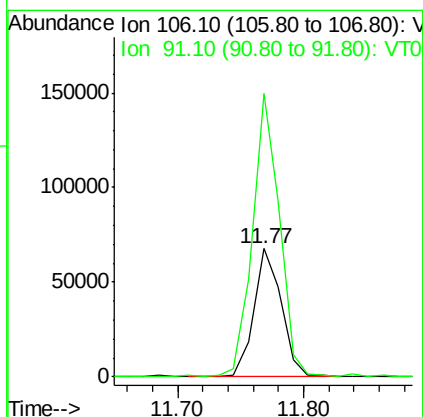
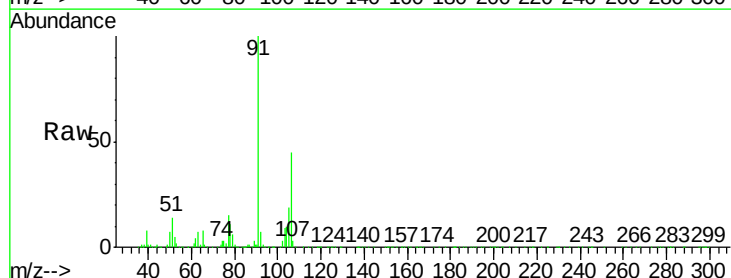
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

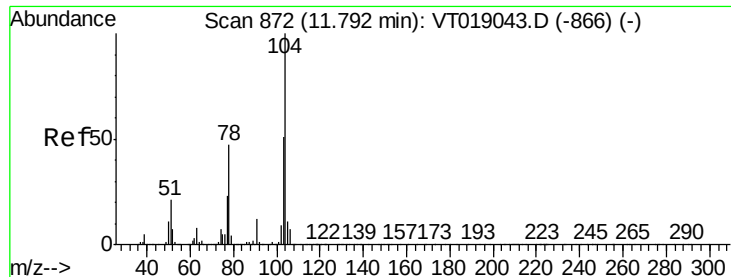
Tot Ion:106 Resp: 223506
Ion Ratio Lower Upper
106 100
91 239.3 162.2 243.4



#68
o-Xylene
Concen: 4.71 ug/l
RT: 11.77 min Scan# 870
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

Tgt Ion:106 Resp: 103487
Ion Ratio Lower Upper
106 100
91 220.9 116.0 348.0

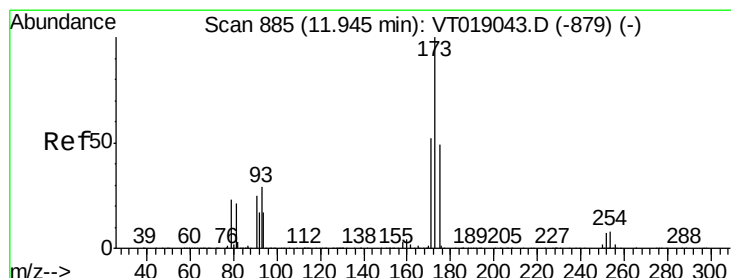
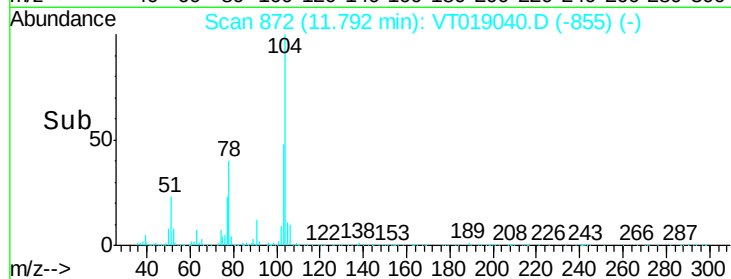
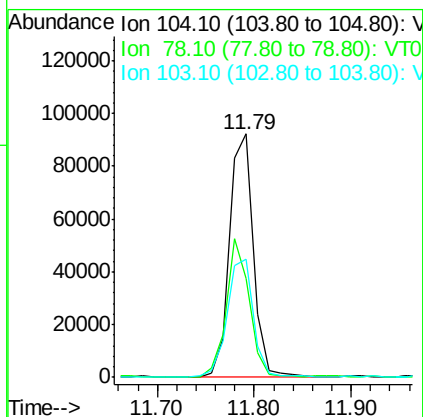
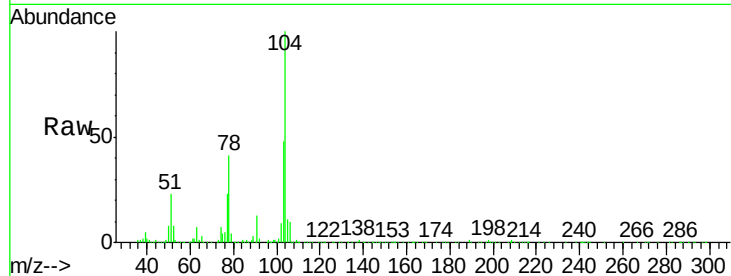




#69
Stvrene
Concen: 4.33 ug/l
RT: 11.79 min Scan# 872
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

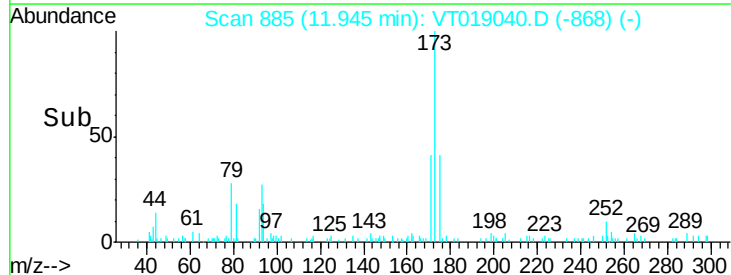
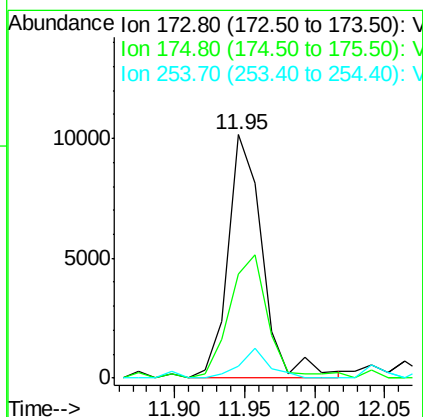
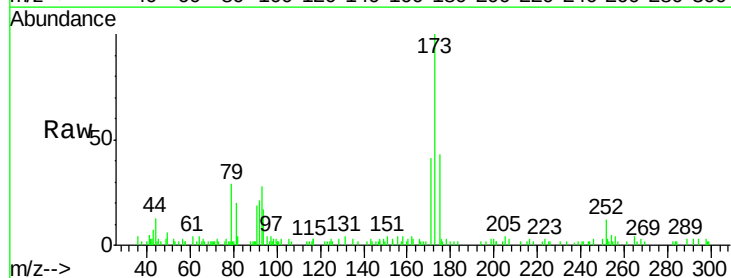
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

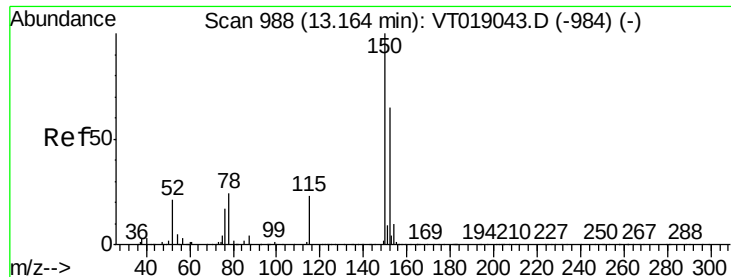
Tot Ion	Ratio	Lower	Upper
104	100		
78	40.6	38.0	57.0
103	48.3	40.6	61.0



#70
Bromoform
Concen: 3.13 ug/l
RT: 11.95 min Scan# 885
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

Tgt Ion	Ratio	Lower	Upper
173	100		
175	42.7	24.6	73.8
254	4.9	6.1	9.1#





#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.16 min Scan# 988

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampled :

VSTDIC005

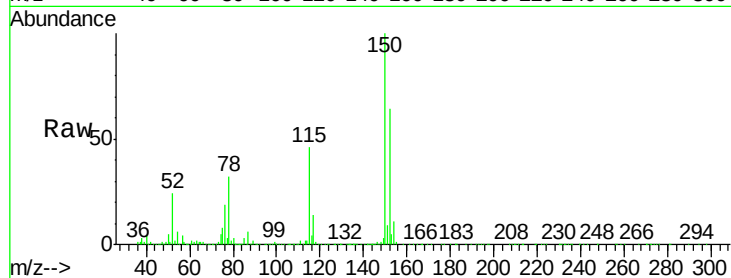
Tot Ion:152 Resp: 748882

Ion Ratio Lower Upper

152 100

115 71.6 34.2 102.6

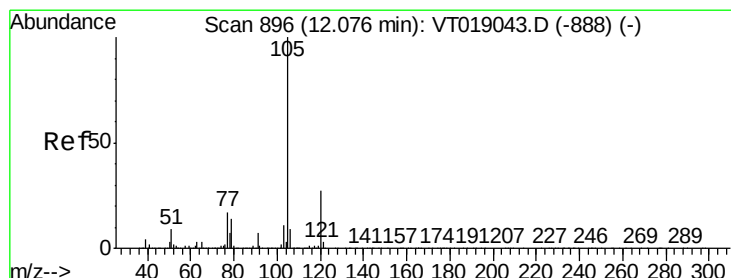
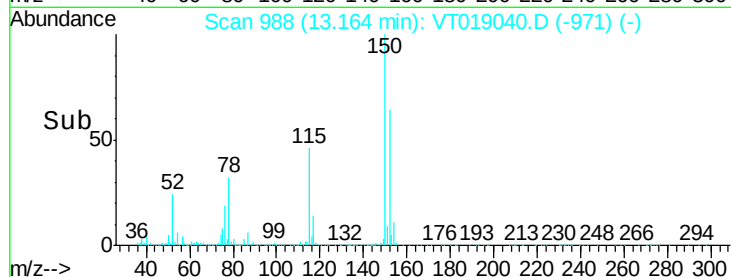
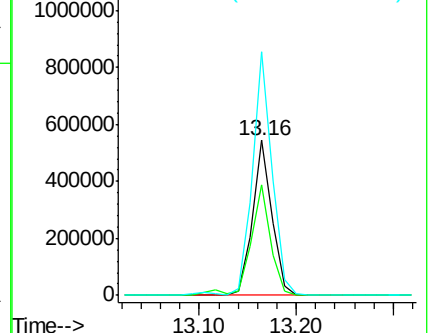
150 157.0 0.0 321.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#72

Isopropylbenzene

Concen: 5.41 ug/l

RT: 12.08 min Scan# 896

Delta R.T. 0.00 min

Lab File: VT019040.D

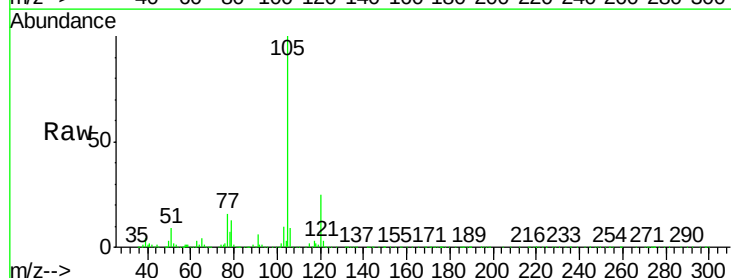
Acq: 8 May 2018 17:16

Tgt Ion:105 Resp: 299298

Ion Ratio Lower Upper

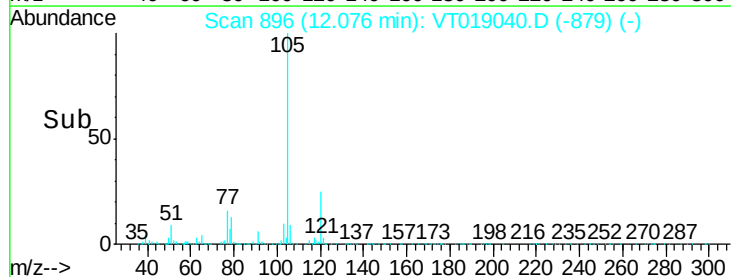
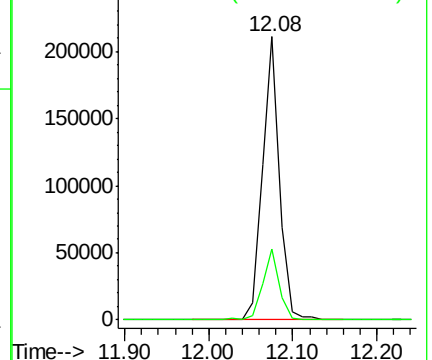
105 100

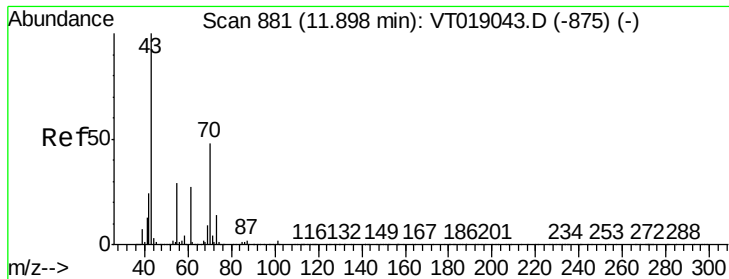
120 24.9 13.6 40.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V





#73

N-amvl acetate

Concen: 4.19 ug/l

RT: 11.90 min Scan# 881

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 44303

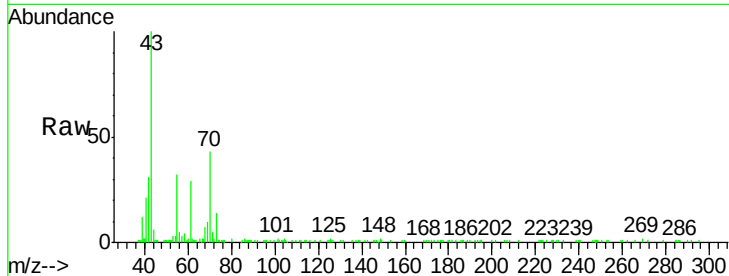
Ion Ratio Lower Upper

43 100

70 43.1 38.2 57.4

55 31.6 23.5 35.3

61 29.4 21.7 32.5

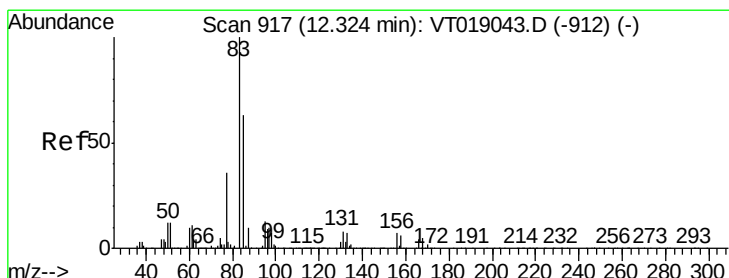
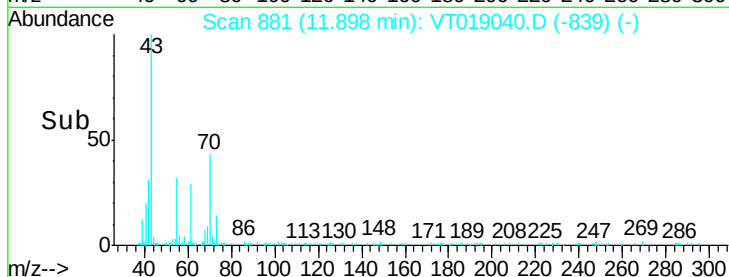
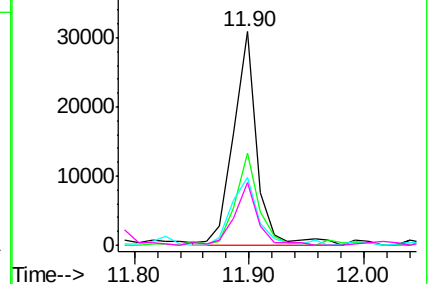


Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 70.10 (69.80 to 70.80): VT0

Ion 55.10 (54.80 to 55.80): VT0

Ion 61.10 (60.80 to 61.80): VT0



#74

1,1,2,2-Tetrachloroethane

Concen: 5.43 ug/l

RT: 12.32 min Scan# 917

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

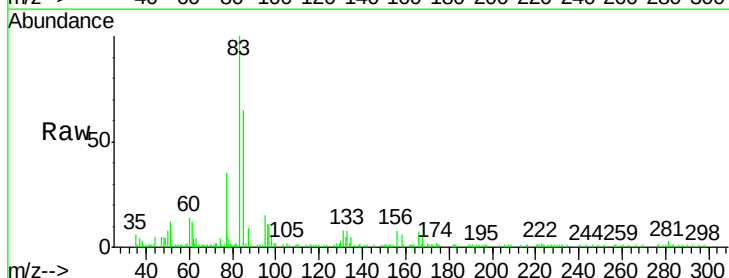
Tgt Ion: 83 Resp: 45793

Ion Ratio Lower Upper

83 100

131 7.8 4.0 12.2

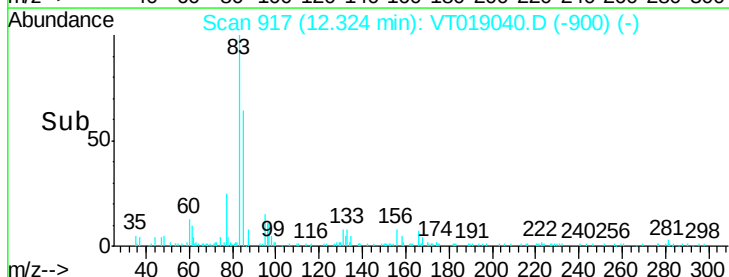
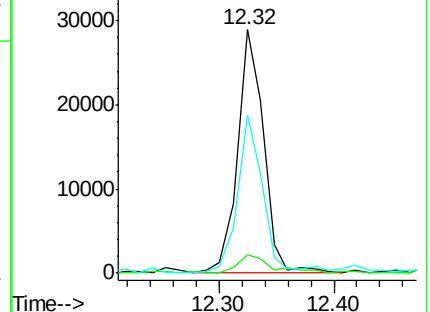
85 64.7 31.4 94.3

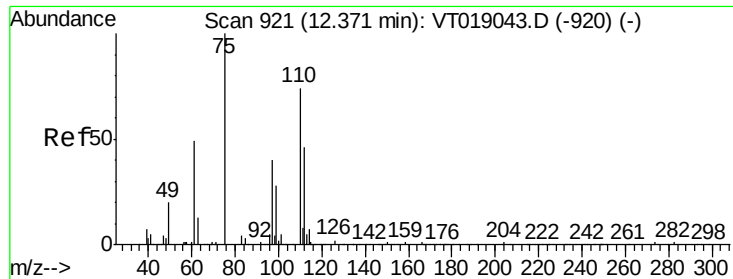


Abundance Ion 83.00 (82.70 to 83.70): VT0

Ion 131.00 (130.70 to 131.70): VT0

Ion 85.00 (84.70 to 85.70): VT0

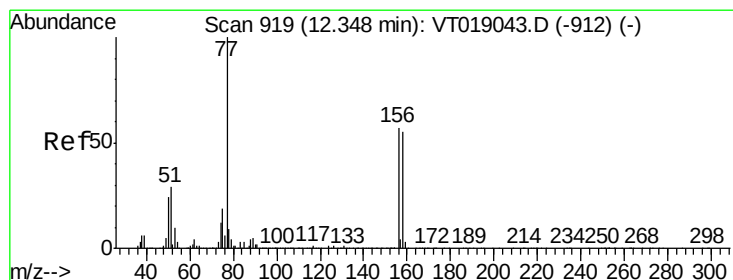
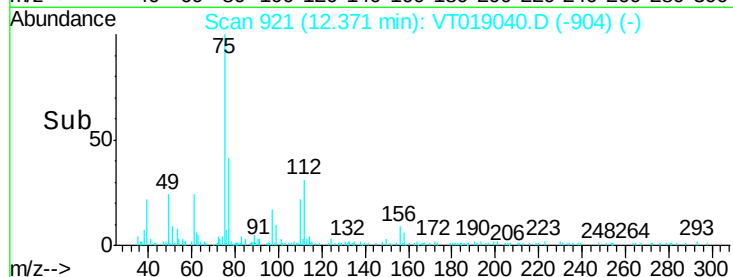
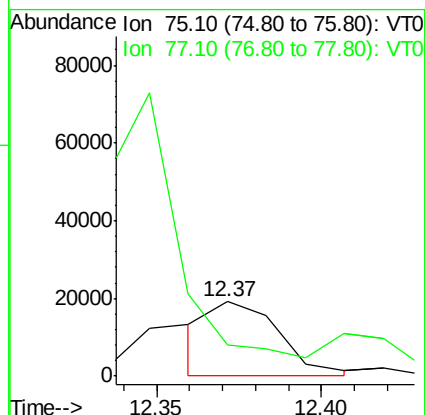
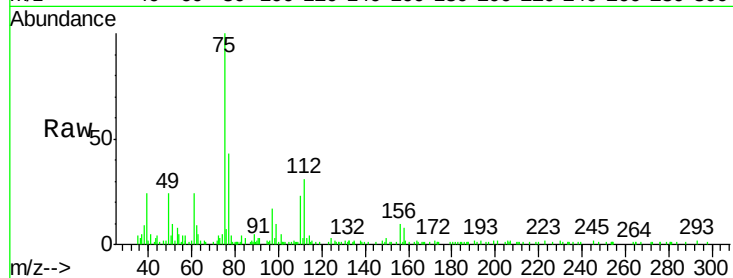




#75
1,2,3-Trichloropropane
Concen: 4.73 ug/l m
RT: 12.37 min Scan# 921
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

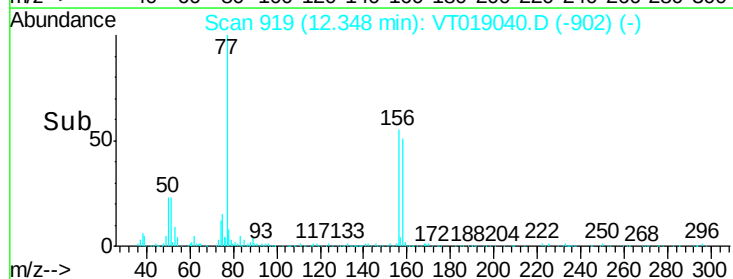
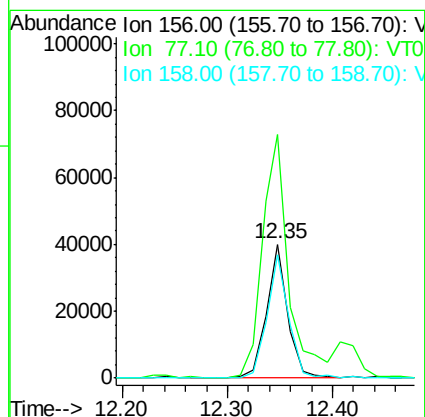
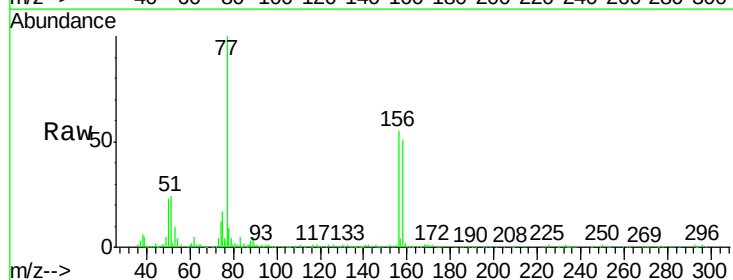
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

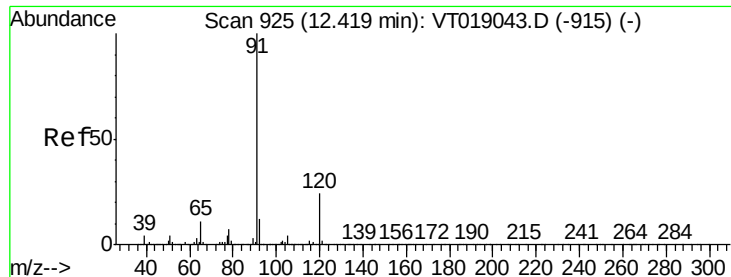
Tot Ion: 75 Resp: 27968
Ion Ratio Lower Upper
75 100
77 42.6 21.1 63.1



#76
Bromobenzene
Concen: 4.55 ug/l
RT: 12.35 min Scan# 919
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

Tgt Ion: 156 Resp: 55925
Ion Ratio Lower Upper
156 100
77 181.6 87.8 263.4
158 91.9 48.3 144.8





#77

n-propylbenzene

Concen: 5.96 ug/l

RT: 12.42 min Scan# 925

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

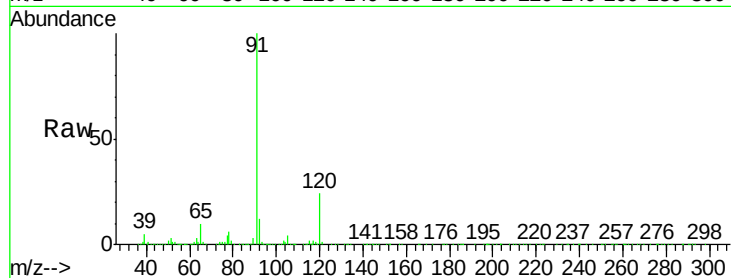
VSTDIC005

Tot Ion: 91 Resp: 397400

Ion Ratio Lower Upper

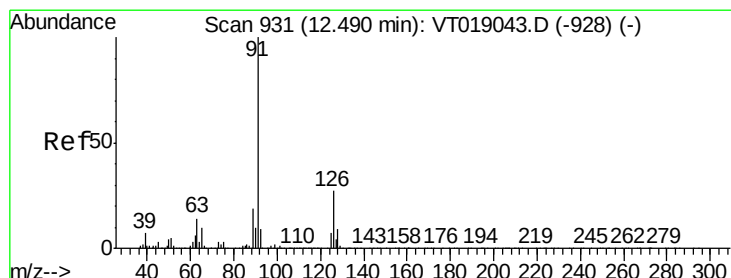
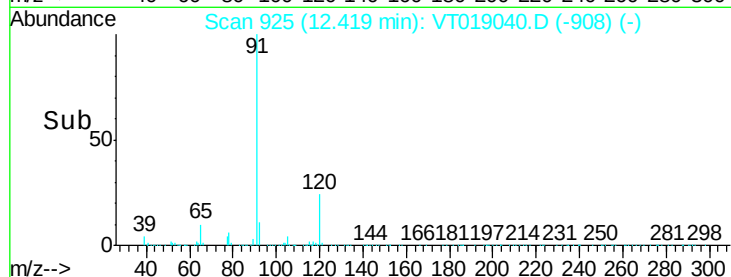
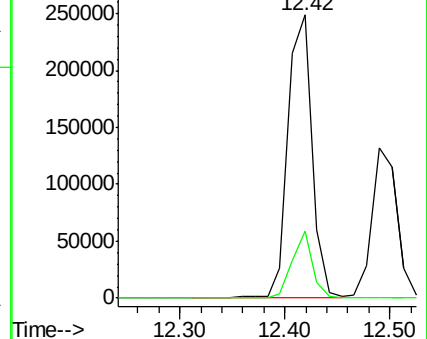
91 100

120 23.9 12.0 36.1



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 120.10 (119.80 to 120.80): VT0



#78

2-Chlorotoluene

Concen: 5.75 ug/l

RT: 12.49 min Scan# 931

Delta R.T. 0.00 min

Lab File: VT019040.D

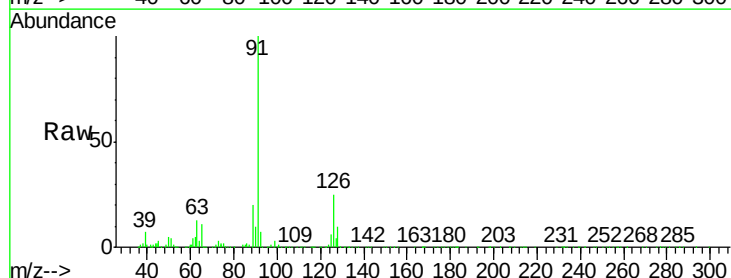
Acq: 8 May 2018 17:16

Tgt Ion: 91 Resp: 215290

Ion Ratio Lower Upper

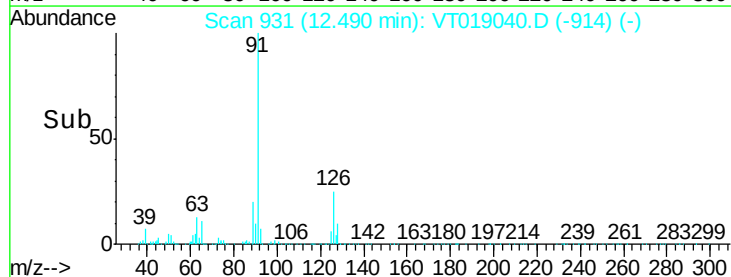
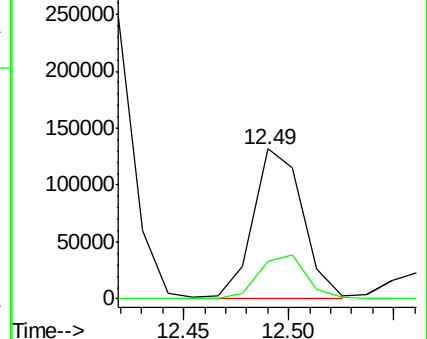
91 100

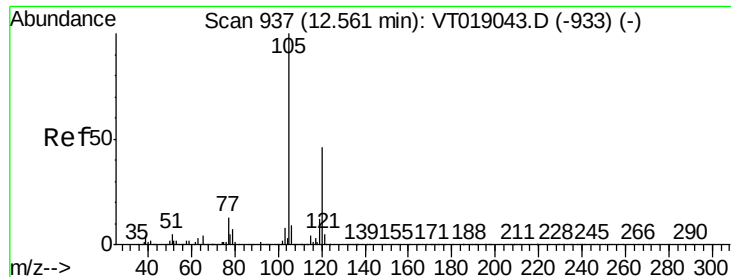
126 25.2 13.5 40.5



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 126.00 (125.70 to 126.70): VT0





#79

1,3,5-Trimethylbenzene

Concen: 5.34 ug/l

RT: 12.56 min Scan# 937

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

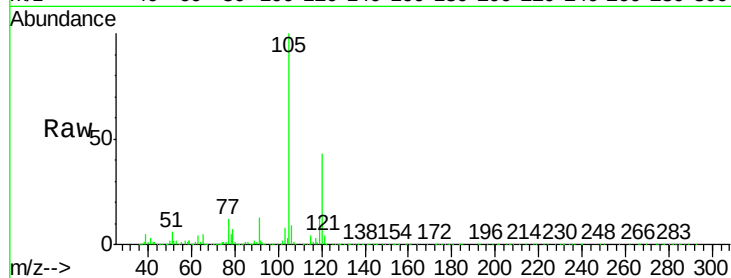
VSTDIC005

Tot Ion:105 Resp: 253846

Ion Ratio Lower Upper

105 100

120 42.7 23.2 69.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V

12.56

200000

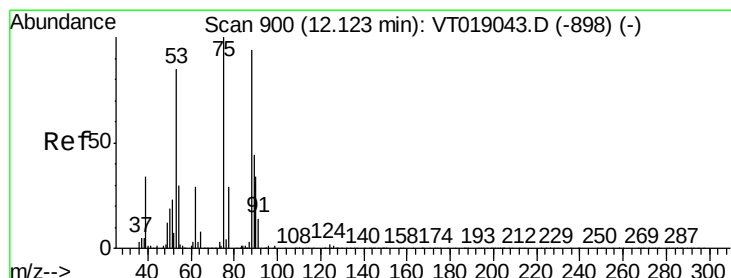
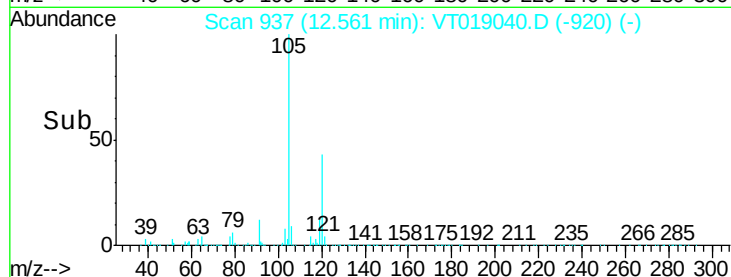
150000

100000

50000

0

Time-->



#80

trans-1,4-Dichloro-2-butene

Concen: 4.18 ug/l

RT: 12.12 min Scan# 900

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

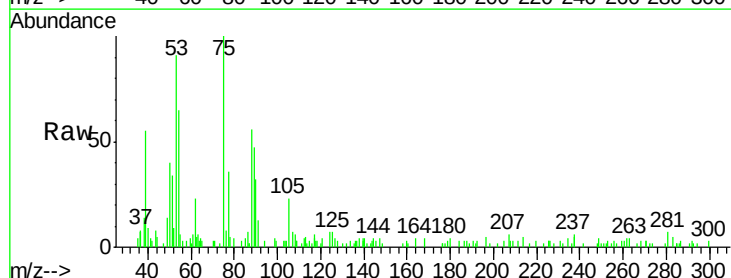
Tgt Ion: 75 Resp: 10802

Ion Ratio Lower Upper

75 100

53 90.6 70.8 106.2

89 47.3 35.8 53.8



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 53.10 (52.80 to 53.80): VT0

Ion 89.00 (88.70 to 89.70): VT0

10000

8000

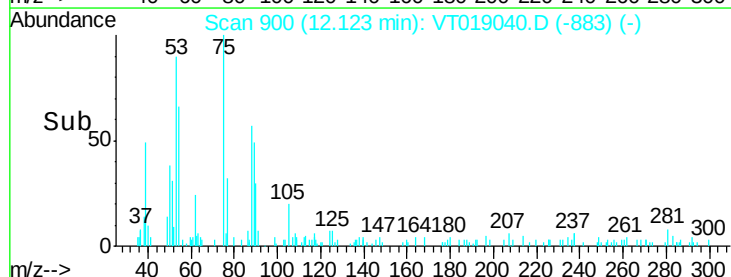
6000

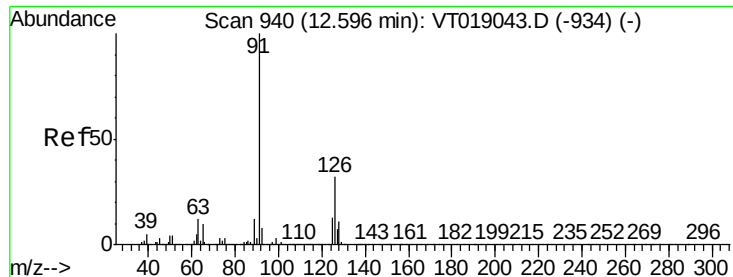
4000

2000

0

Time-->

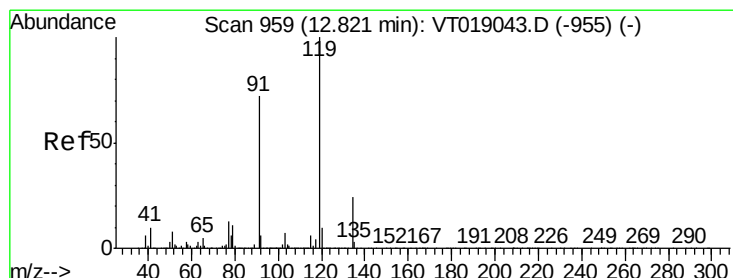
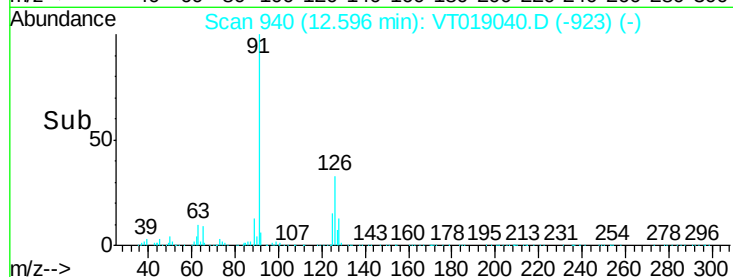
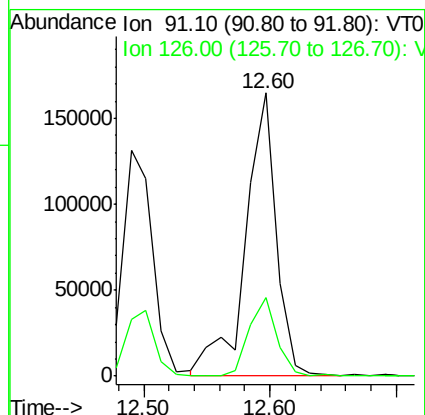
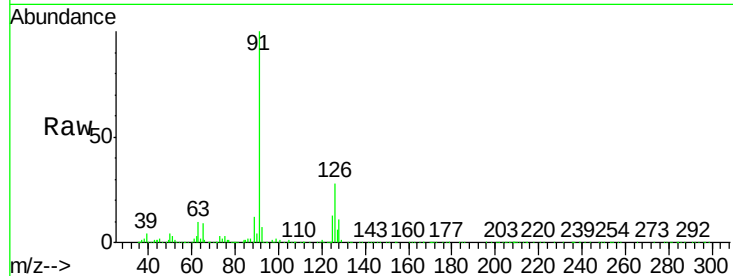




#81
4-Chlorotoluene
Concen: 6.23 ug/l
RT: 12.60 min Scan# 940
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

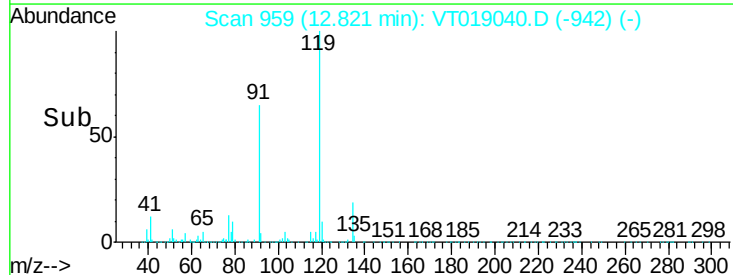
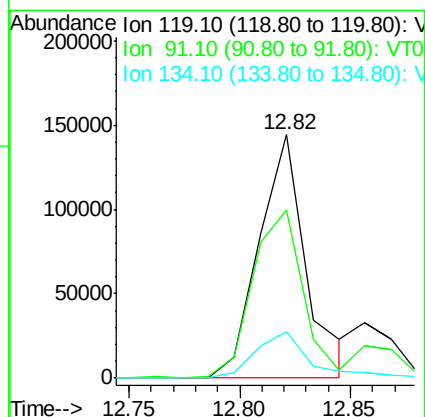
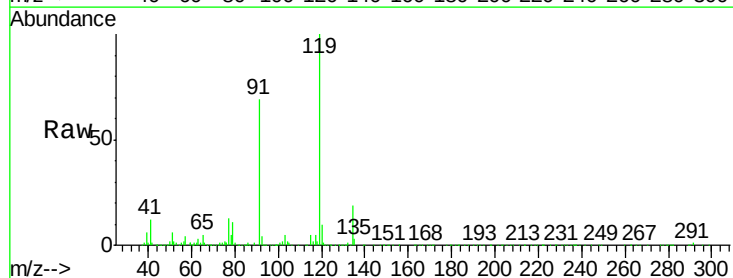
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

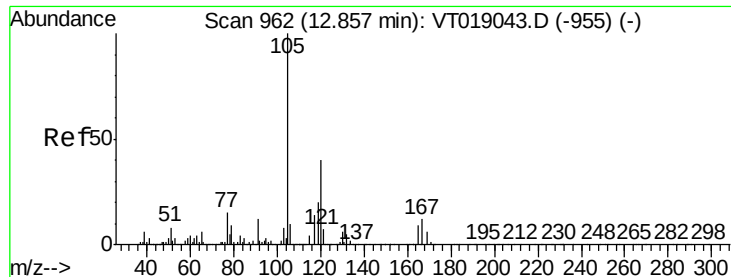
Tot Ion: 91 Resp: 280177
Ion Ratio Lower Upper
91 100
126 28.0 16.0 47.9



#82
tert-Butylbenzene
Concen: 5.05 ug/l m
RT: 12.82 min Scan# 959
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

Tgt Ion: 119 Resp: 213037
Ion Ratio Lower Upper
119 100
91 69.0 36.1 108.3
134 19.3 12.0 36.1





#83

1,2,4-Trimethylbenzene

Concen: 5.43 ug/l

RT: 12.86 min Scan# 962

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

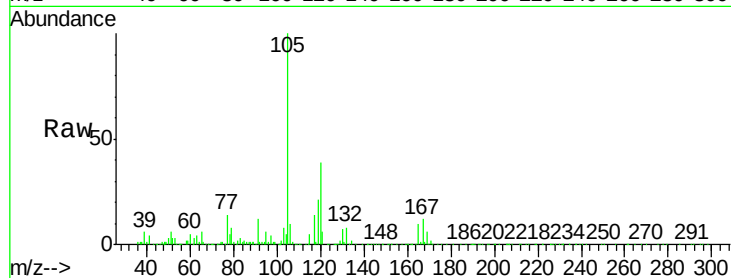
VSTDIC005

Tot Ion:105 Resp: 260930

Ion Ratio Lower Upper

105 100

120 38.6 20.0 59.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V

250000

200000

150000

100000

50000

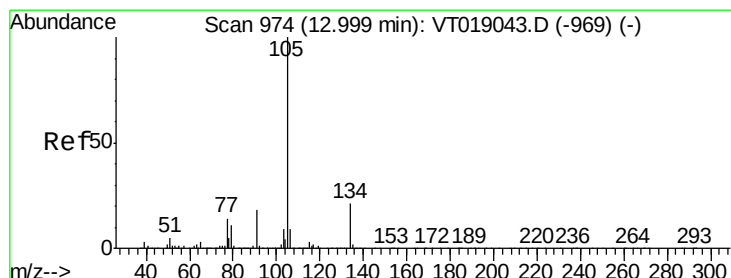
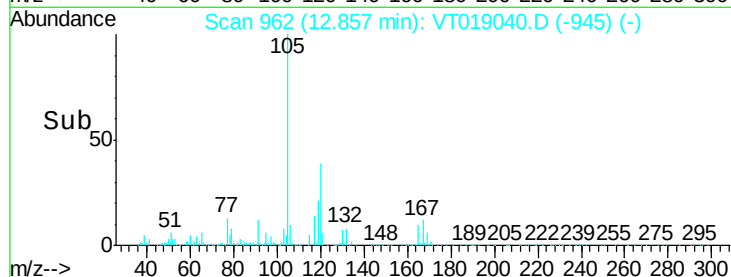
0

12.70

12.80

12.90

Time-->



#84

sec-Butylbenzene

Concen: 5.33 ug/l

RT: 13.00 min Scan# 974

Delta R.T. 0.00 min

Lab File: VT019040.D

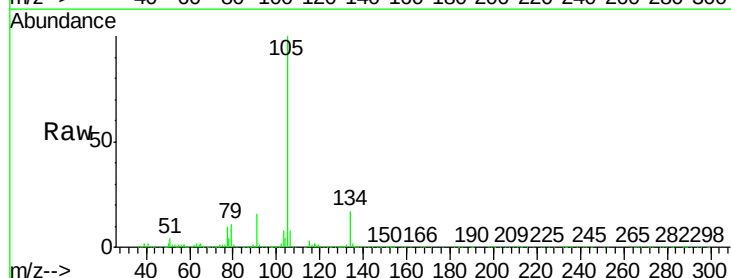
Acq: 8 May 2018 17:16

Tgt Ion:105 Resp: 318804

Ion Ratio Lower Upper

105 100

134 17.3 10.4 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.10 (133.80 to 134.80): V

250000

200000

150000

100000

50000

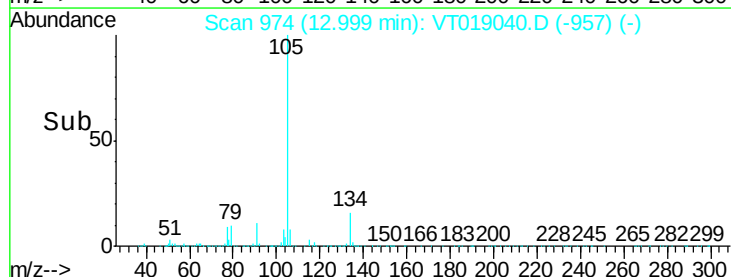
0

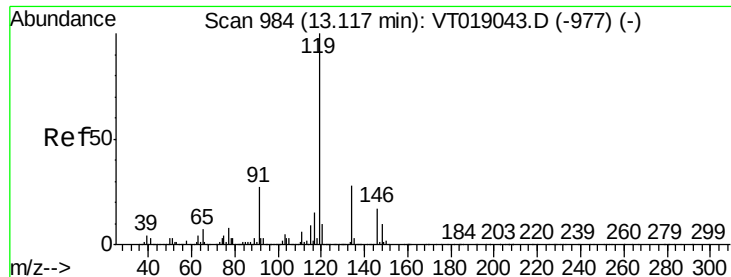
12.90

13.00

13.10

Time-->

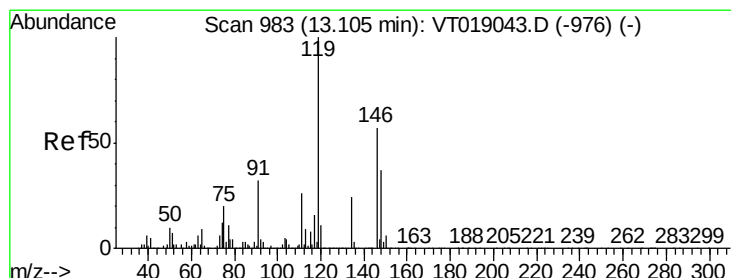
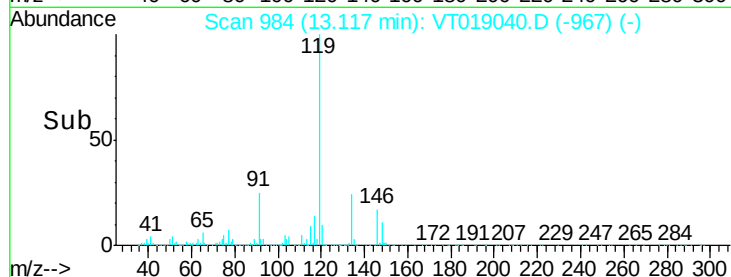
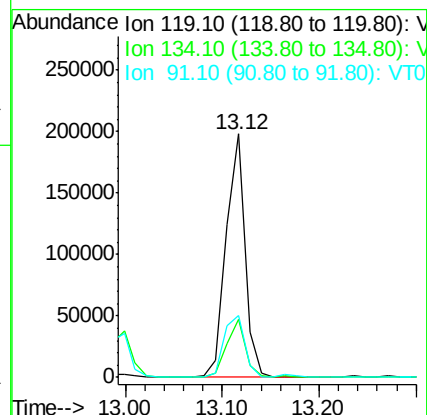
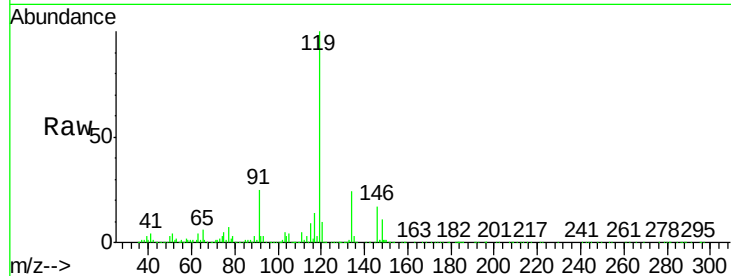




#85
p-Isopropyltoluene
Concen: 5.13 ug/l
RT: 13.12 min Scan# 984
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

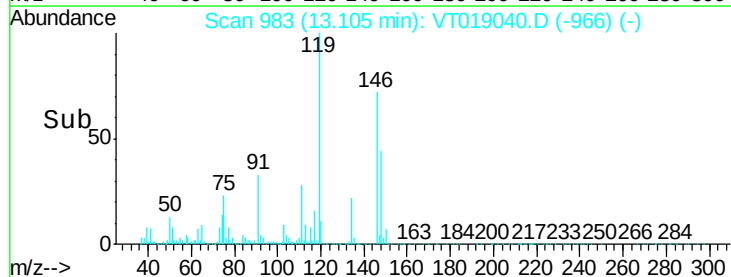
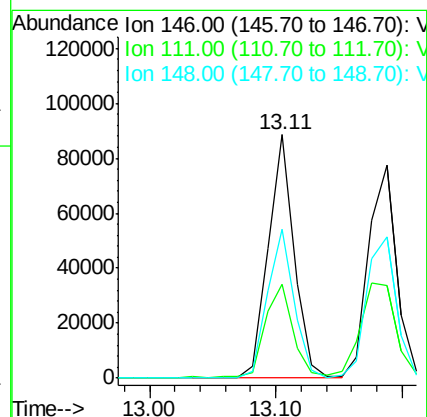
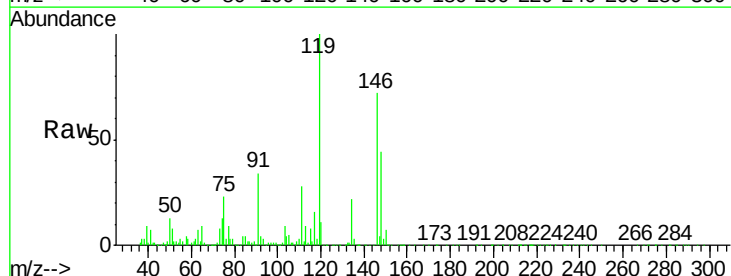
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

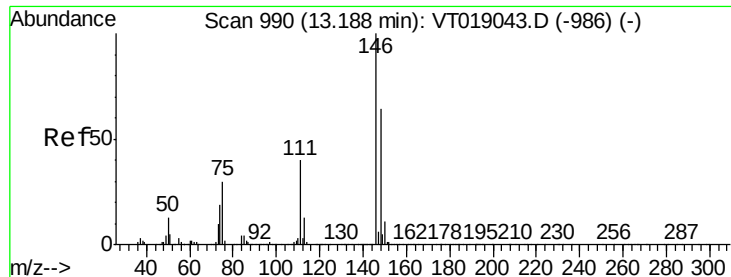
Tot Ion	Ratio	Lower	Upper
119	100		
134	23.7	14.1	42.3
91	25.3	13.5	40.4



#86
1,3-Dichlorobenzene
Concen: 5.03 ug/l
RT: 13.11 min Scan# 983
Delta R.T. 0.00 min
Lab File: VT019040.D
Acq: 8 May 2018 17:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	23.1	69.2
148	61.3	32.5	97.5

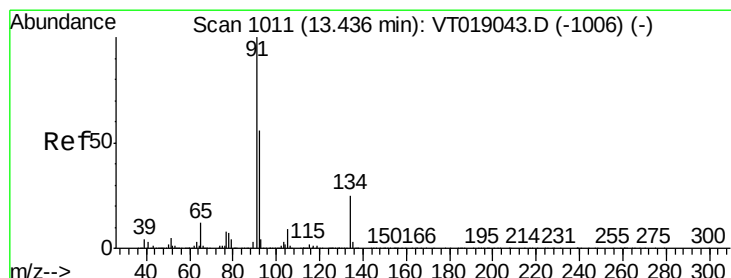
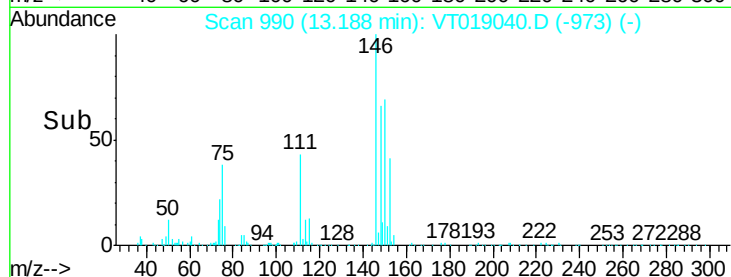
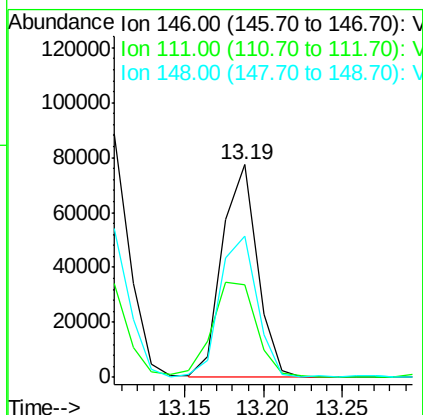
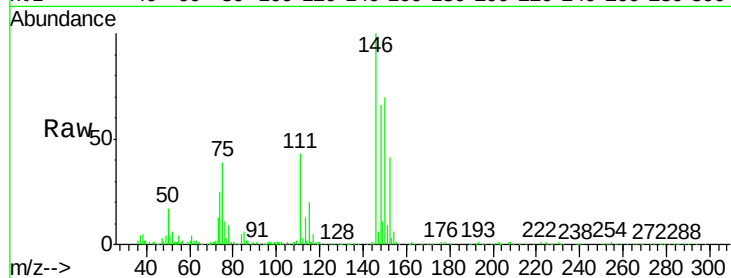




#87
 1,4-Dichlorobenzene
 Concen: 4.70 ug/l
 RT: 13.19 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

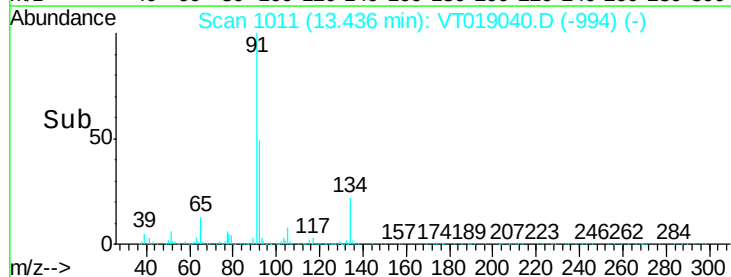
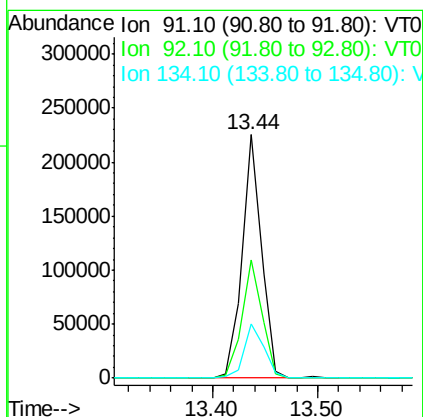
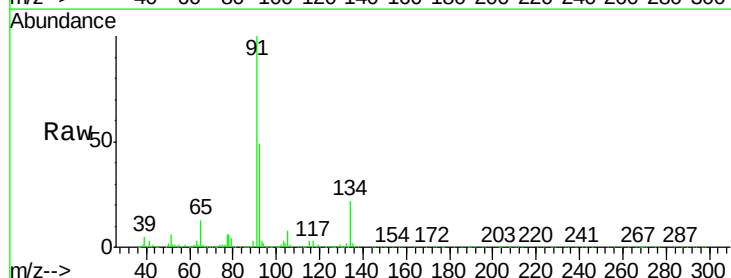
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC005

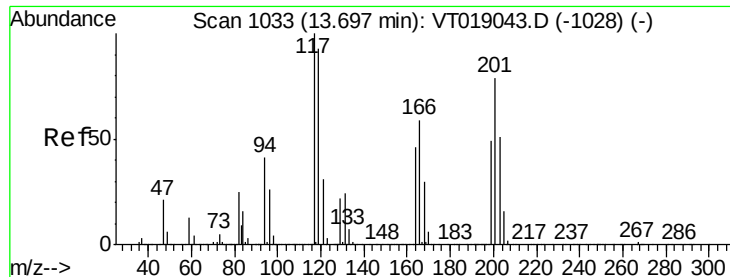
Tot Ion:146 Resp: 119443
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.3 60.8
 148 66.5 32.3 96.8



#88
 n-Butylbenzene
 Concen: 5.90 ug/l
 RT: 13.44 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VT019040.D
 Acq: 8 May 2018 17:16

Tgt Ion: 91 Resp: 287623
 Ion Ratio Lower Upper
 91 100
 92 48.7 28.0 84.0
 134 22.4 12.4 37.0





#89

Hexachloroethane

Concen: 4.68 ug/l

RT: 13.70 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

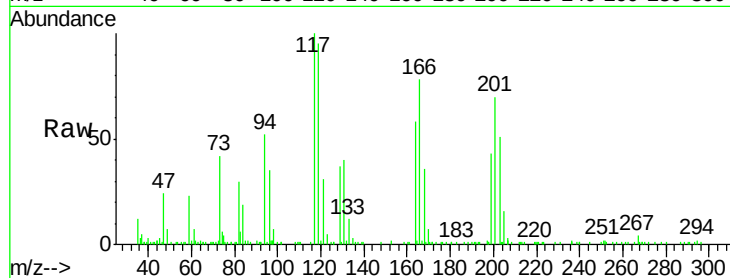
VSTDIC005

Tot Ion:117 Resp: 40151

Ion Ratio Lower Upper

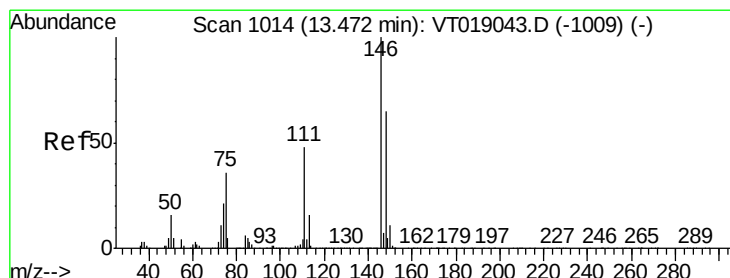
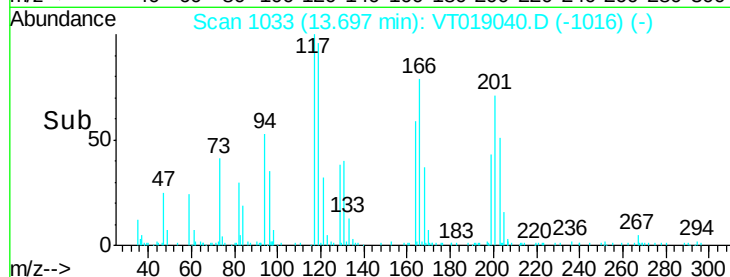
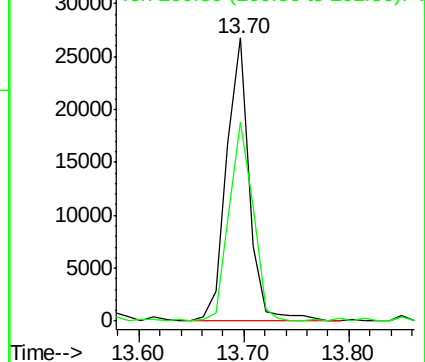
117 100

201 70.3 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: 4.69 ug/l

RT: 13.47 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

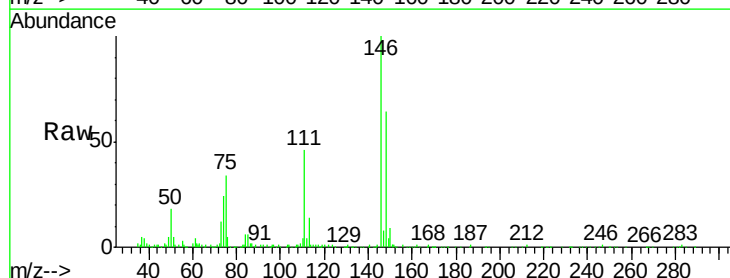
Tgt Ion:146 Resp: 103150

Ion Ratio Lower Upper

146 100

111 45.8 23.8 71.2

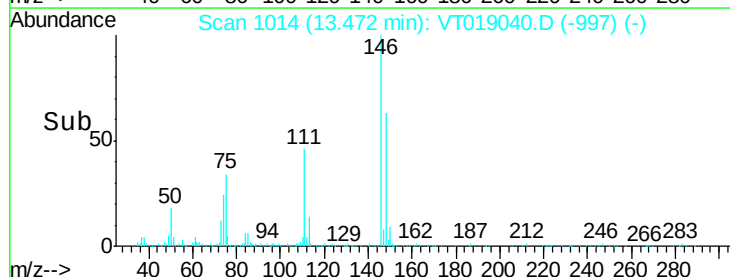
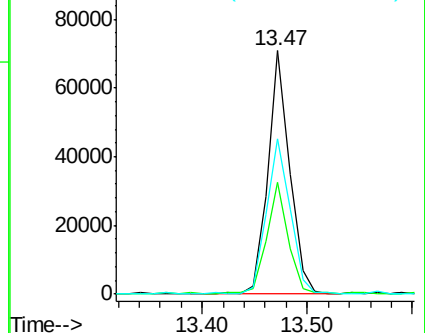
148 63.6 32.7 98.1

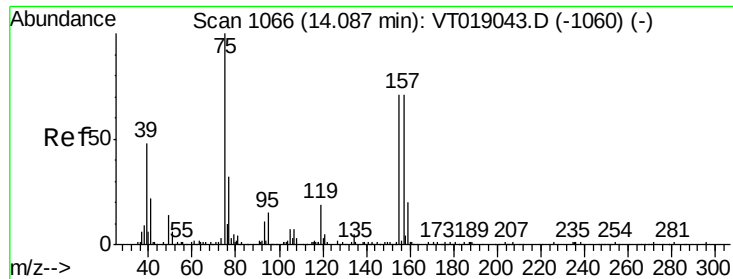


Abundance Ion 146.00 (145.70 to 146.70): V

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: 4.12 ug/l

RT: 14.09 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

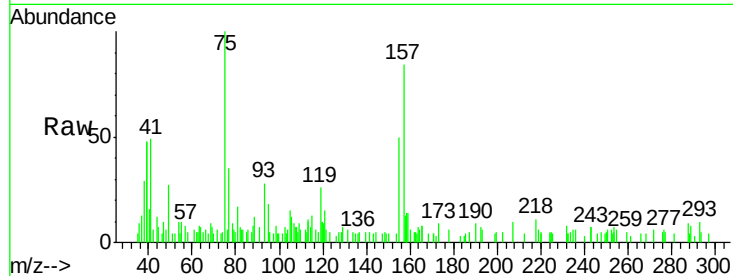
Tot Ion: 75 Resp: 5267

Ion Ratio Lower Upper

75 100

155 50.5 35.6 106.8

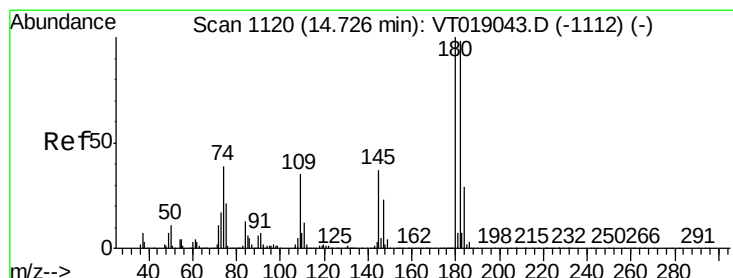
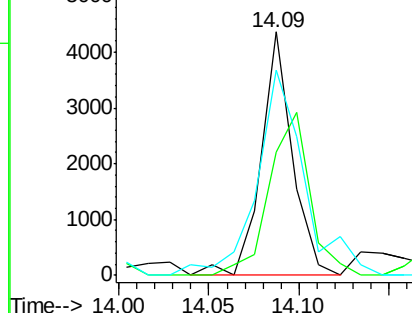
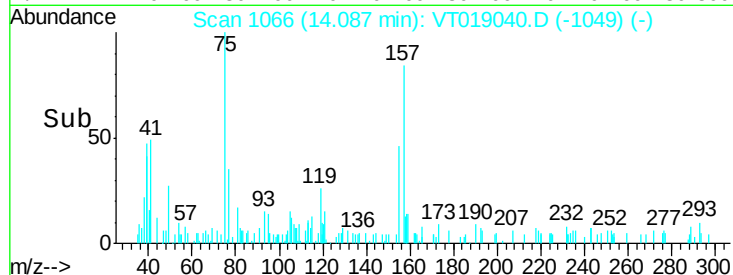
157 84.4 35.8 107.3



Abundance Ion 75.00 (74.70 to 75.70): VT019040.D (-1049) (-)

Ion 154.90 (154.60 to 155.60): VT019040.D (-1049) (-)

Ion 156.90 (156.60 to 157.60): VT019040.D (-1049) (-)



#92

1,2,4-Trichlorobenzene

Concen: 4.26 ug/l

RT: 14.73 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

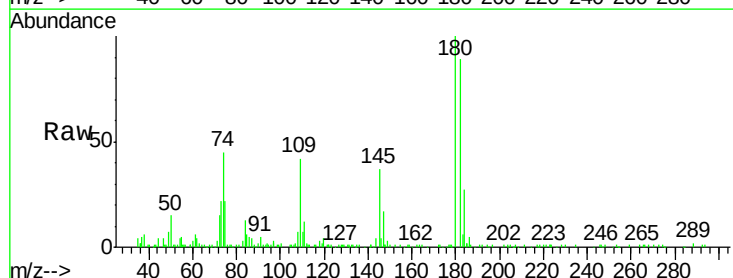
Tgt Ion: 180 Resp: 62691

Ion Ratio Lower Upper

180 100

182 89.3 49.0 147.0

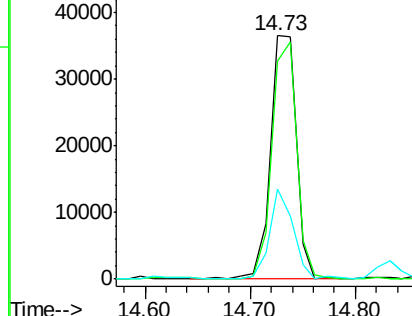
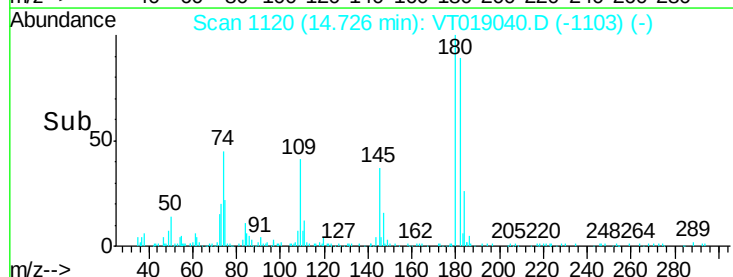
145 37.1 18.3 54.9

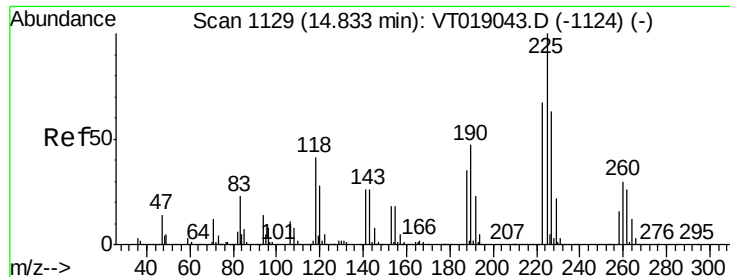


Abundance Ion 179.90 (179.60 to 180.60): VT019040.D (-1103) (-)

Ion 181.90 (181.60 to 182.60): VT019040.D (-1103) (-)

Ion 145.00 (144.70 to 145.70): VT019040.D (-1103) (-)





#93

Hexachlorobutadiene

Concen: 4.97 ug/l

RT: 14.83 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

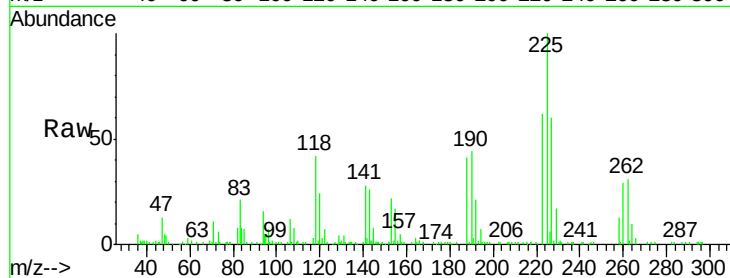
Tot Ion:225 Resp: 48090

Ion Ratio Lower Upper

225 100

223 62.3 33.5 100.4

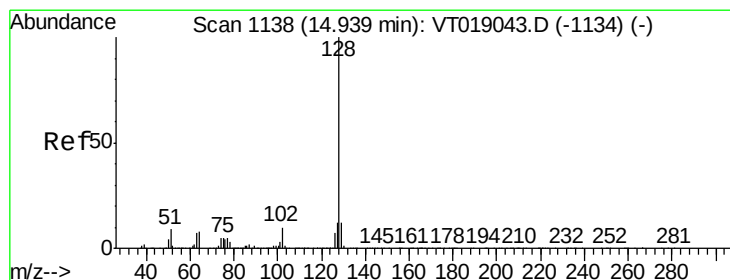
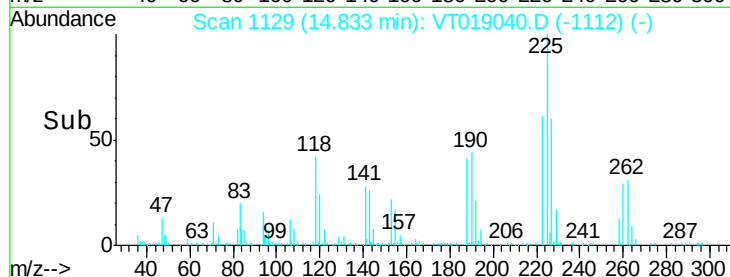
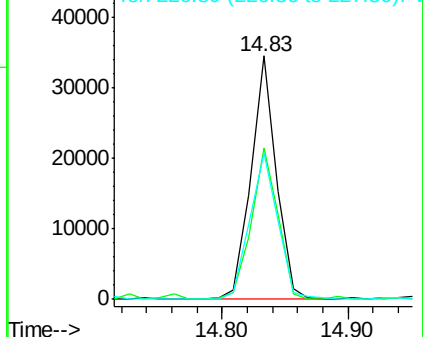
227 59.9 31.7 95.1



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: 4.23 ug/l

RT: 14.94 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

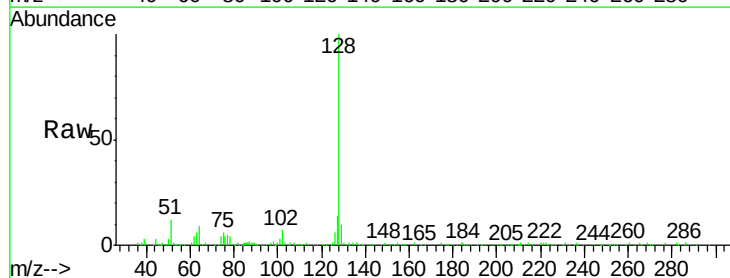
Tgt Ion:128 Resp: 102268

Ion Ratio Lower Upper

128 100

127 13.8 9.9 14.9

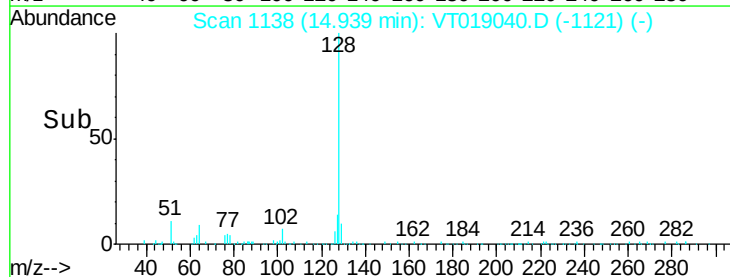
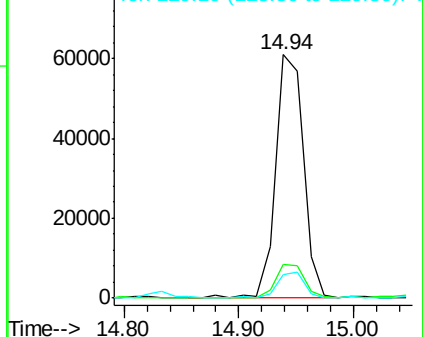
129 9.7 9.3 13.9

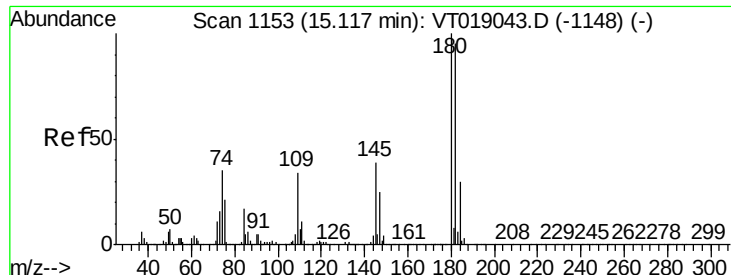


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#95

1,2,3-Trichlorobenzene

Concen: 4.64 ug/l

RT: 15.12 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VT019040.D

Acq: 8 May 2018 17:16

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

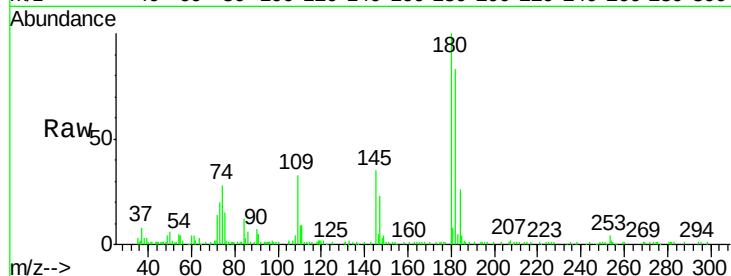
Tot Ion:180 Resp: 58383

Ion Ratio Lower Upper

180 100

182 83.2 47.7 143.1

145 35.1 19.4 58.1



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 145.00 (144.70 to 145.70): V

