

Data File : VT019044.D

Acq On : 8 May 2018 19:19

Operator : SY/MD

Sample : VSTDIC075

Misc : 5.00g/5mL/MSVOA_T/SOIL

ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

Quant Time: May 09 03:58:22 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	1157888	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	1938269	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	1712823	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	818733	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	788583	83.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	166.50%	
34) Dibromofluoromethane	7.35	113	785991	74.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.76%	
49) Toluene-d8	9.90	98	3509760	76.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.12%	
61) 4-Bromofluorobenzene	12.22	95	1339677	83.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.78	85	1062052	98.65	ug/l	93
3) Chloromethane	1.96	50	369426	37.15	ug/l	99
4) Vinyl Chloride	2.11	62	608343	56.96	ug/l	98
5) Bromomethane	2.46	94	480000	80.37	ug/l	97
6) Chloroethane	2.57	64	357401	64.32	ug/l	94
7) Trichlorofluoromethane	2.93	101	762917	62.15	ug/l	96
8) Diethyl Ether	3.21	74	225533	50.83	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.60	101	744071	70.32	ug/l	99
10) Methyl Iodide	3.77	142	1086236	66.11	ug/l	95
11) Tert butyl alcohol	4.55	59	174426	344.31	ug/l	99
12) 1,1-Dichloroethene	3.57	96	663879	60.65	ug/l	98
13) Acrolein	3.40	56	76584	109.54	ug/l	99
14) Allyl chloride	4.06	41	1406684	73.47	ug/l	96
15) Acrylonitrile	4.70	53	736802	321.65	ug/l	98
16) Acetone	3.59	43	350263	153.14	ug/l	94
17) Carbon Disulfide	4.06	76	827906	27.52	ug/l	99
18) Methyl Acetate	4.08	43	390378	40.03	ug/l	96
19) Methyl tert-butyl Ether	4.76	73	1644454	79.34	ug/l	96
20) Methylene Chloride	4.32	84	807684	63.38	ug/l	100
21) trans-1,2-Dichloroethene	4.74	96	961280	81.69	ug/l	93
22) Diisopropyl ether	5.67	45	2673683	79.06	ug/l	99
23) Vinyl Acetate	5.61	43	5872538	467.26	ug/l	99
24) 1,1-Dichloroethane	5.56	63	1815670	90.78	ug/l	98
25) 2-Butanone	6.57	43	859816	275.34	ug/l	98
26) 2,2-Dichloropropane	6.55	77	718173	76.28	ug/l	96
27) cis-1,2-Dichloroethene	6.56	96	961975	83.72	ug/l	96
28) Bromochloromethane	6.94	49	602054	73.64	ug/l	96
29) Chloroform	7.13	83	1670392	91.20	ug/l	95
30) Cyclohexane	7.43	56	1983763	87.15	ug/l	95
31) 1,1,1-Trichloroethane	7.33	97	1338623	95.49	ug/l	94
35) 1,1-Dichloropropene	7.56	75	1570036	81.99	ug/l	98
36) Ethyl Acetate	6.67	43	379812	53.66	ug/l	97
37) Carbon Tetrachloride	7.54	117	1286546	80.30	ug/l	98
38) Methylcyclohexane	8.88	83	1925843	78.70	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	7.82	78	4021143	75.97	ug/l	97
40) Methacrylonitrile	6.92	41	242669	58.08	ug/l	92
41) 1,2-Dichloroethane	7.91	62	862143	67.70	ug/l	99
42) Isopropyl Acetate	7.96	43	699028	60.23	ug/l	100
43) Trichloroethene	8.63	130	924402	68.88	ug/l	96
44) 1,2-Dichloropropane	8.92	63	946468	77.18	ug/l	97
45) Dibromomethane	9.01	93	360708	67.01	ug/l	93
46) Bromodichloromethane	9.21	83	1088348	77.69	ug/l	100
47) Methyl methacrylate	9.01	41	371155	56.39	ug/l	97
48) 1,4-Dioxane	9.01	88	80471	1109.30	ug/l	95
50) 4-Methyl-2-Pentanone	9.80	43	1854076	269.31	ug/l	97
51) Toluene	9.97	92	2417401	73.65	ug/l	96
52) t-1,3-Dichloropropene	10.19	75	1045237	77.44	ug/l	95
53) cis-1,3-Dichloropropene	9.65	75	1327379	77.91	ug/l	96
54) 1,1,2-Trichloroethane	10.38	97	541738	67.39	ug/l	99
55) Ethyl methacrylate	10.25	69	731681	74.62	ug/l	98
56) 1,3-Dichloropropane	10.53	76	1021703	73.22	ug/l	97
57) 2-Chloroethyl Vinyl ether	9.51	63	1601642	392.12	ug/l	99
58) 2-Hexanone	10.57	43	1383888	266.18	ug/l	100
59) Dibromochloromethane	10.73	129	603752	65.10	ug/l	99
60) 1,2-Dibromoethane	10.82	107	499422	67.37	ug/l	99
63) Tetrachloroethene	10.45	164	825800	66.11	ug/l	97
64) Chlorobenzene	11.25	112	2424418	65.71	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.33	131	811343	69.95	ug/l	98
66) Ethyl Benzene	11.33	91	4816757	74.83	ug/l	96
67) m/p-Xylenes	11.45	106	3551422	138.12	ug/l	94
68) o-Xylene	11.77	106	1694654	72.33	ug/l	96
69) Styrene	11.79	104	2606880	66.83	ug/l	98
70) Bromoform	11.95	173	302062	51.20	ug/l	99
72) Isopropylbenzene	12.08	105	4787813	79.20	ug/l	98
73) N-amyl acetate	11.90	43	771852	66.78	ug/l	98
74) 1,1,2,2-Tetrachloroethane	12.32	83	656956	71.28	ug/l	98
75) 1,2,3-Trichloropropane	12.37	75	885162	136.86	ug/l	96
76) Bromobenzene	12.35	156	901588	67.15	ug/l	94
77) n-propylbenzene	12.42	91	5936913	81.39	ug/l	96
78) 2-Chlorotoluene	12.49	91	3479557	84.95	ug/l	97
79) 1,3,5-Trimethylbenzene	12.56	105	4184956	80.46	ug/l	97
80) trans-1,4-Dichloro-2-buten	12.12	75	189809	67.26	ug/l	96
81) 4-Chlorotoluene	12.60	91	4168416	84.77	ug/l	99
82) tert-Butylbenzene	12.82	119	4367190	94.61	ug/l	98
83) 1,2,4-Trimethylbenzene	12.86	105	4226087	80.50	ug/l	98
84) sec-Butylbenzene	13.00	105	5160464	78.91	ug/l	96
85) p-Isopropyltoluene	13.12	119	4416272	76.79	ug/l	99
86) 1,3-Dichlorobenzene	13.10	146	1934748	69.33	ug/l	98
87) 1,4-Dichlorobenzene	13.19	146	1862515	67.09	ug/l	99
88) n-Butylbenzene	13.44	91	4628846	86.78	ug/l	97
89) Hexachloroethane	13.70	117	783871	83.51	ug/l	98
90) 1,2-Dichlorobenzene	13.47	146	1630338	67.84	ug/l	99
91) 1,2-Dibromo-3-Chloropropan	14.09	75	98992	70.86	ug/l	91
92) 1,2,4-Trichlorobenzene	14.73	180	1104820	68.73	ug/l	96

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

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

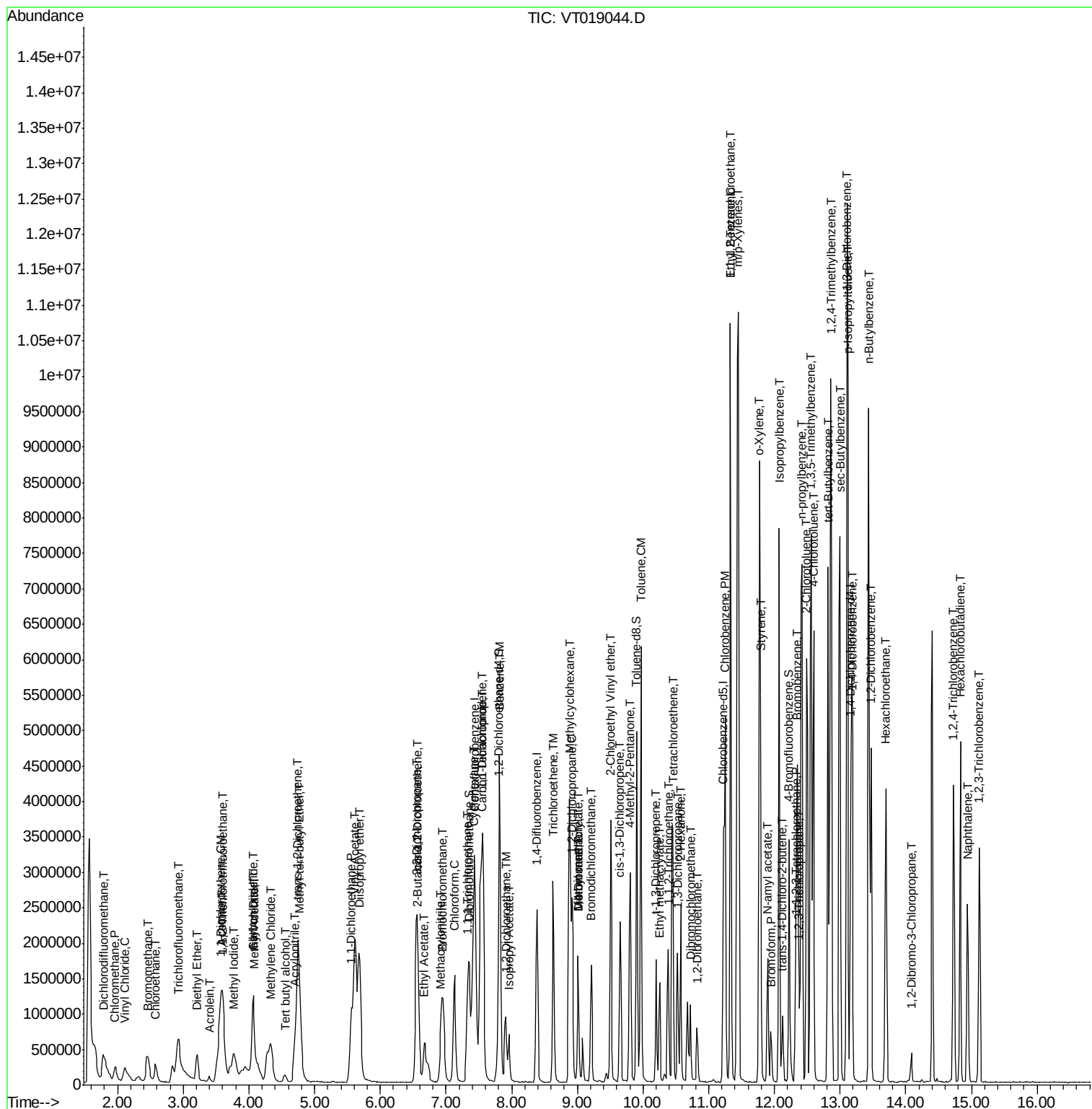
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	14.83	225	826456	78.17	ug/l	95
94) Naphthalene	14.94	128	1798813	68.03	ug/l	99
95) 1,2,3-Trichlorobenzene	15.12	180	909281	66.10	ug/l	98

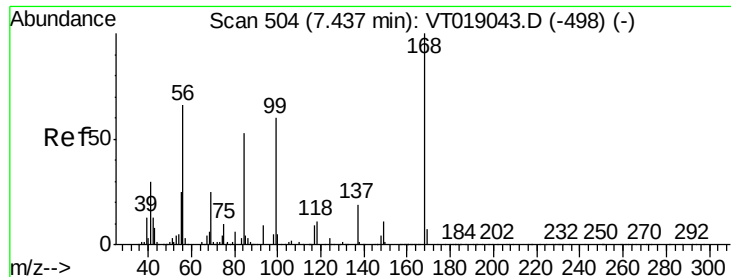
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 504

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

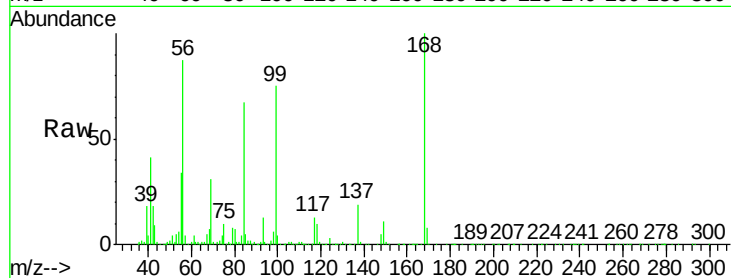
VSTDIC075

Tgt Ion:168 Resp: 1157888

Ion Ratio Lower Upper

168 100

99 75.5 59.0 88.4



Abundance Ion 168.00 (167.70 to 168.70): VT0

Ion 99.00 (98.70 to 99.70): VT0

7.44

500000

400000

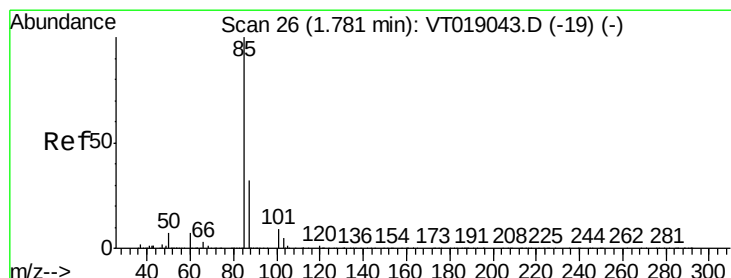
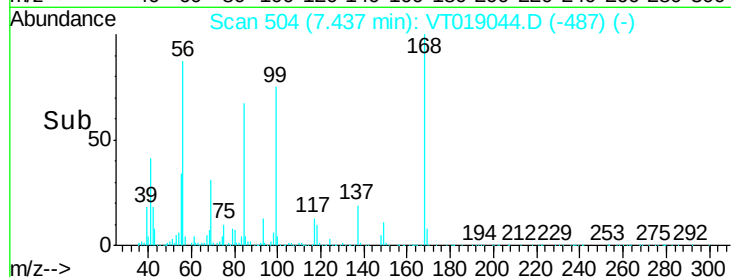
300000

200000

100000

0

Time--> 7.30 7.40 7.50



#2

Dichlorodifluoromethane

Concen: 98.65 ug/l

RT: 1.78 min Scan# 26

Delta R.T. -0.00 min

Lab File: VT019044.D

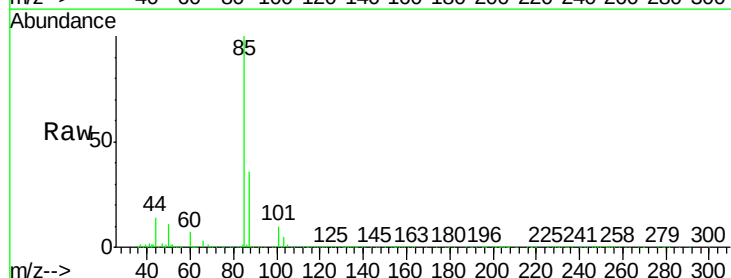
Acq: 8 May 2018 19:19

Tgt Ion: 85 Resp: 1062052

Ion Ratio Lower Upper

85 100

87 36.2 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VT0

Ion 87.00 (86.70 to 87.70): VT0

1.78

200000

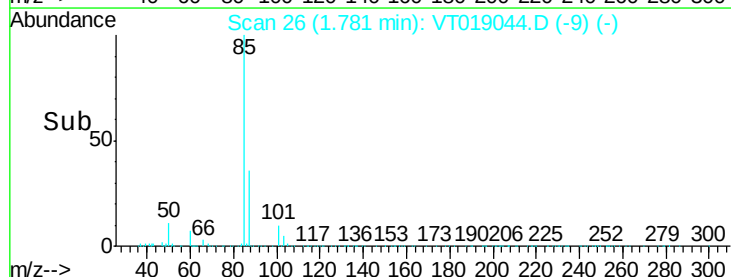
150000

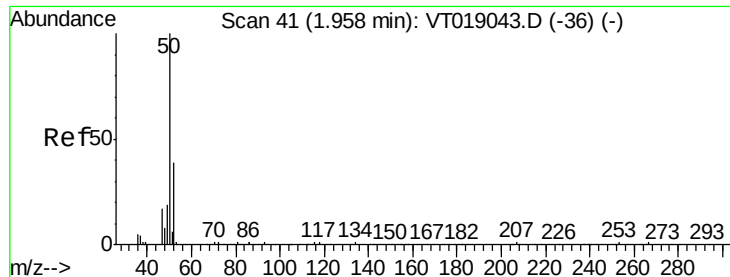
100000

50000

0

Time--> 1.60 1.70 1.80 1.90 2.00





#3

Chloromethane

Concen: 37.15 ug/l

RT: 1.96 min Scan# 41

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

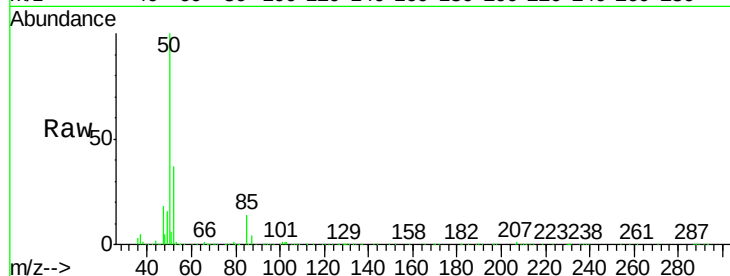
VSTDIC075

Tgt Ion: 50 Resp: 369426

Ion Ratio Lower Upper

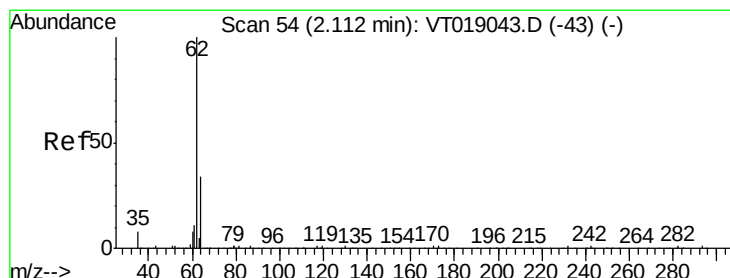
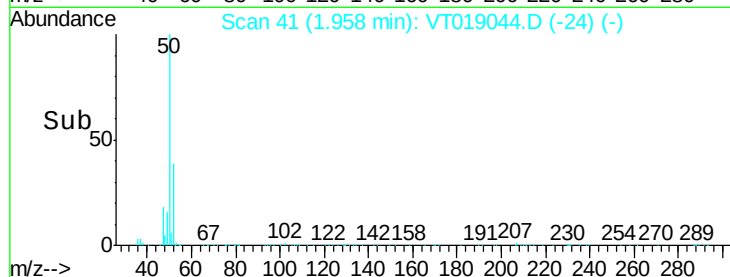
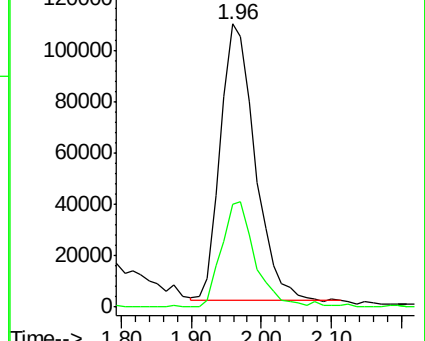
50 100

52 37.0 30.1 45.1



Abundance Ion 50.10 (49.80 to 50.80): VT0

Ion 52.10 (51.80 to 52.80): VT0



#4

Vinyl Chloride

Concen: 56.96 ug/l

RT: 2.11 min Scan# 54

Delta R.T. -0.00 min

Lab File: VT019044.D

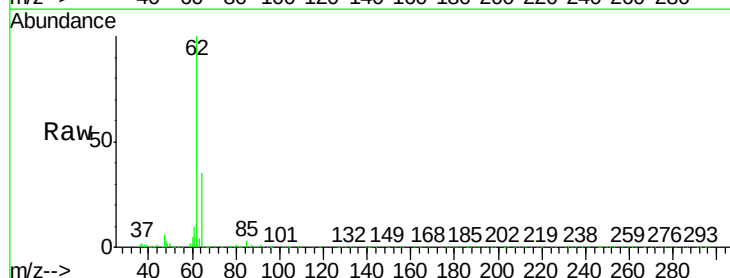
Acq: 8 May 2018 19:19

Tgt Ion: 62 Resp: 608343

Ion Ratio Lower Upper

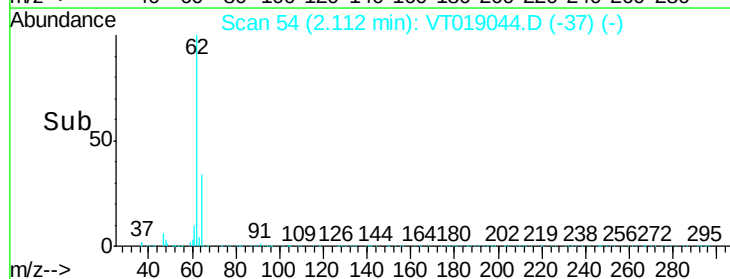
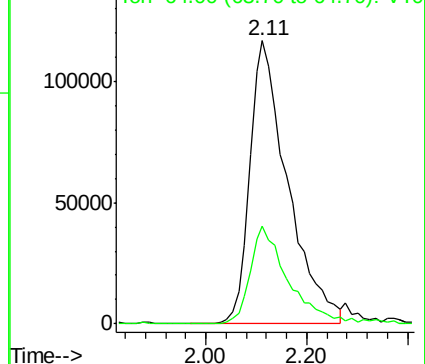
62 100

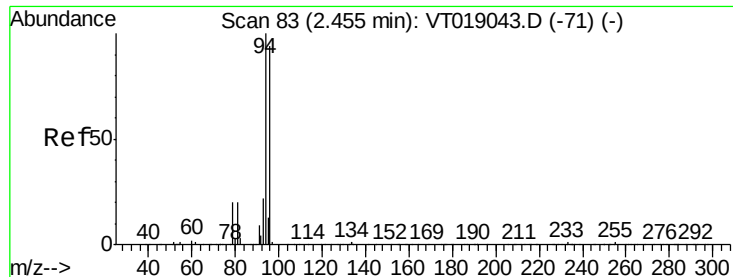
64 34.6 27.0 40.4



Abundance Ion 62.10 (61.80 to 62.80): VT0

Ion 64.00 (63.70 to 64.70): VT0





#5

Bromomethane

Concen: 80.37 ug/l

RT: 2.46 min Scan# 83

Delta R.T. -0.00 min

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ClientSampleId :

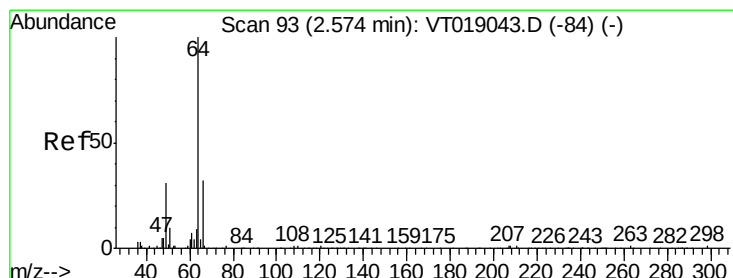
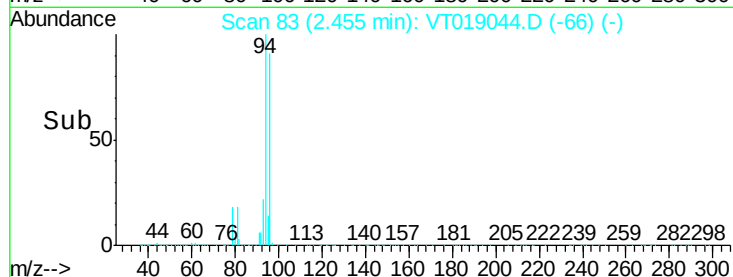
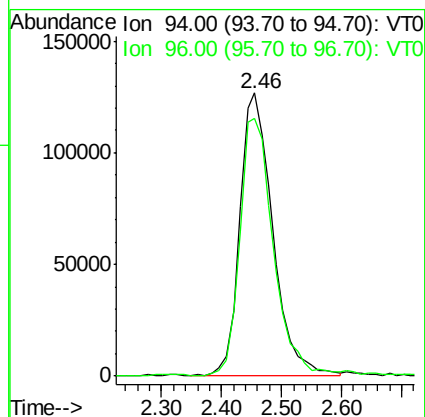
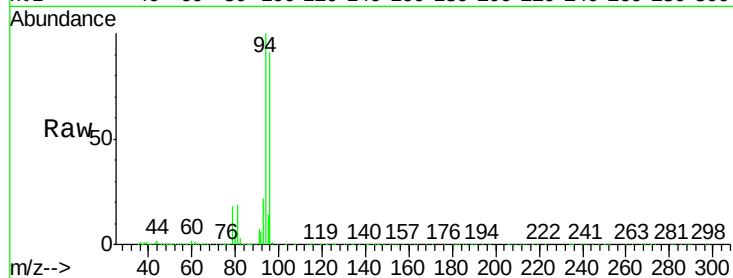
VSTDIC075

Tgt Ion: 94 Resp: 480000

Ion Ratio Lower Upper

94 100

96 91.1 75.3 112.9



#6

Chloroethane

Concen: 64.32 ug/l

RT: 2.57 min Scan# 93

Delta R.T. -0.00 min

Lab File: VT019044.D

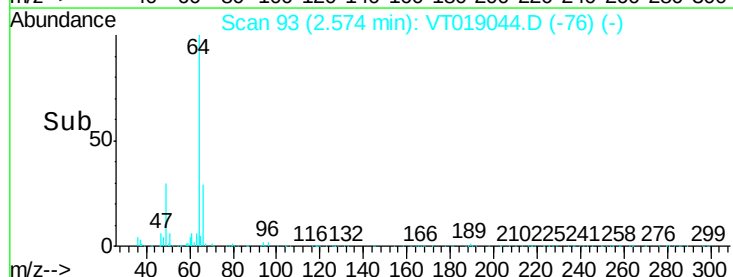
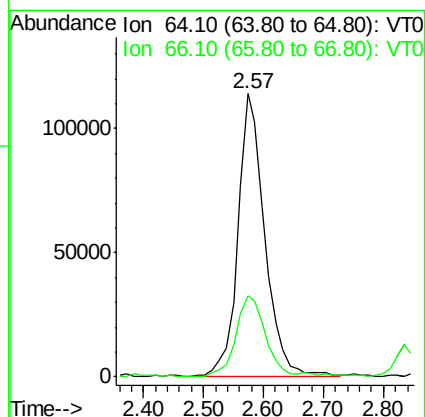
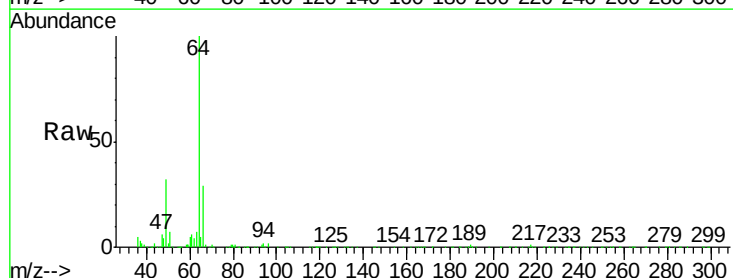
Acq: 8 May 2018 19:19

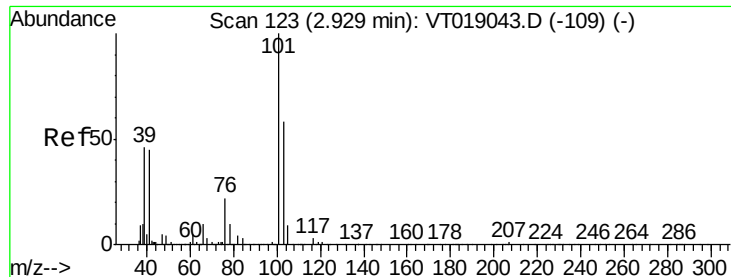
Tgt Ion: 64 Resp: 357401

Ion Ratio Lower Upper

64 100

66 28.9 25.8 38.8





#7

Trichlorofluoromethane

Concen: 62.15 ug/l

RT: 2.93 min Scan# 123

Delta R.T. -0.00 min

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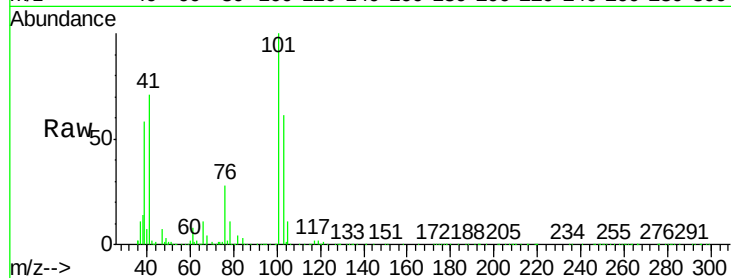
VSTDIC075

Tgt Ion:101 Resp: 762917

Ion Ratio Lower Upper

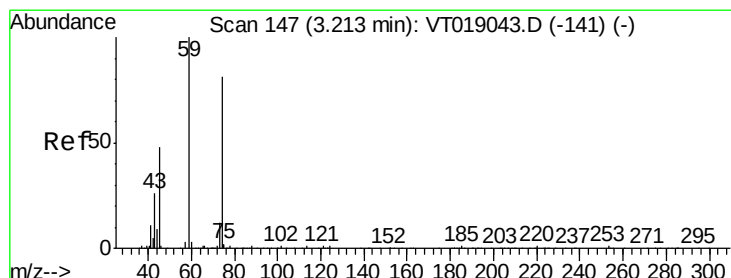
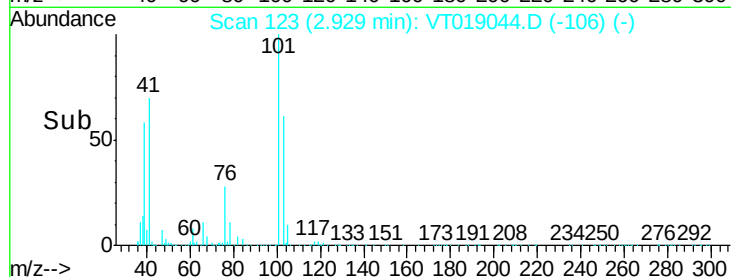
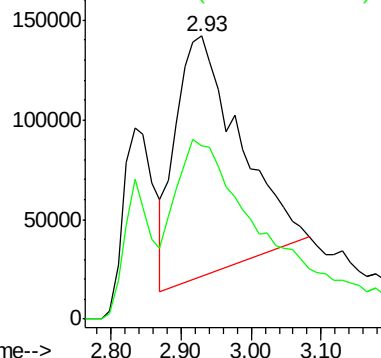
101 100

103 61.3 46.5 69.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 50.83 ug/l

RT: 3.21 min Scan# 147

Delta R.T. -0.00 min

Lab File: VT019044.D

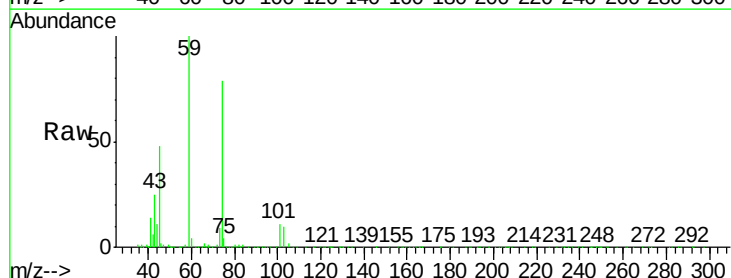
Acq: 8 May 2018 19:19

Tgt Ion: 74 Resp: 225533

Ion Ratio Lower Upper

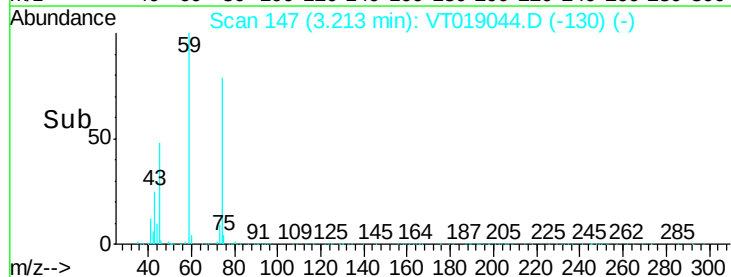
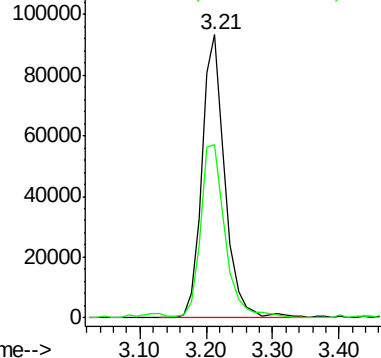
74 100

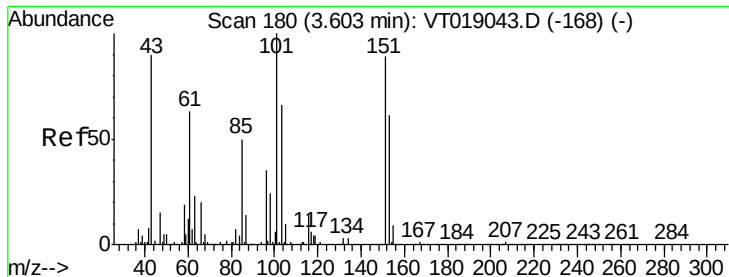
45 61.1 29.8 89.4



Abundance Ion 74.10 (73.80 to 74.80): VT0

Ion 45.10 (44.80 to 45.80): VT0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 70.32 ug/l

RT: 3.60 min Scan# 180

Delta R.T. -0.00 min

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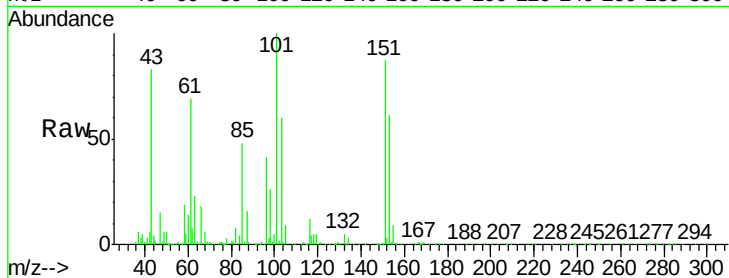
Tgt Ion:101 Resp: 744071

Ion Ratio Lower Upper

101 100

85 47.6 39.5 59.3

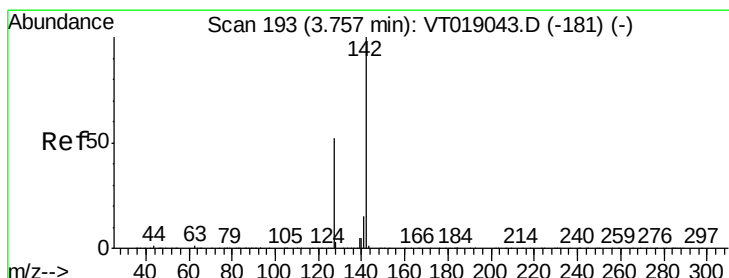
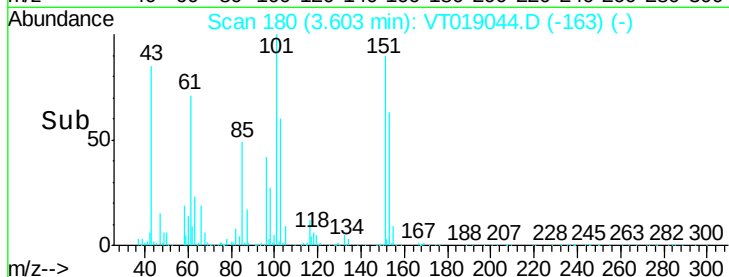
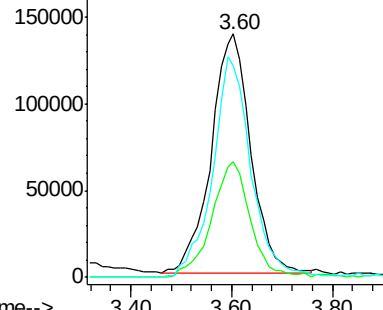
151 86.8 69.9 104.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VT0

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 66.11 ug/l

RT: 3.77 min Scan# 194

Delta R.T. 0.01 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

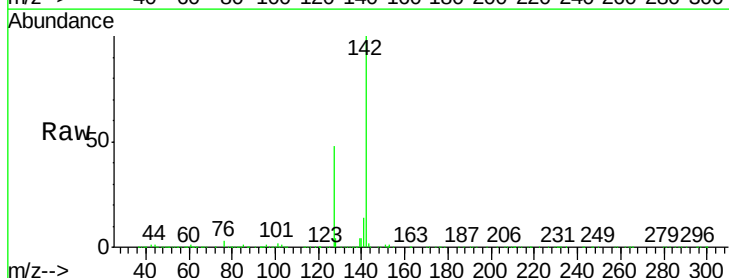
Tgt Ion:142 Resp: 1086236

Ion Ratio Lower Upper

142 100

127 48.2 41.8 62.8

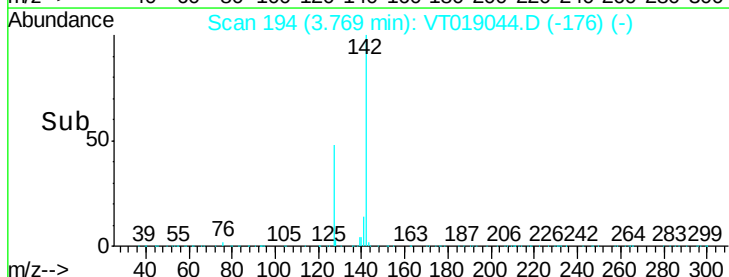
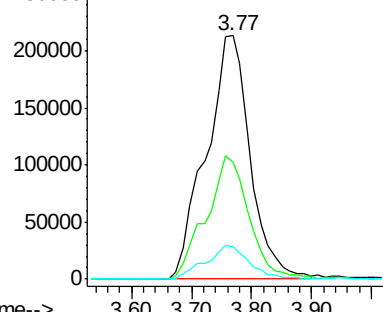
141 13.6 12.0 18.0

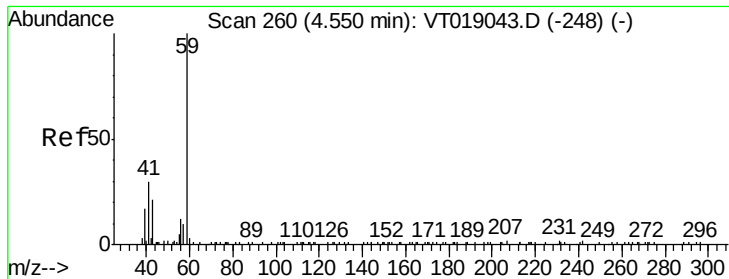


Abundance Ion 141.90 (141.60 to 142.60): V

Ion 126.90 (126.60 to 127.60): V

Ion 140.90 (140.60 to 141.60): V



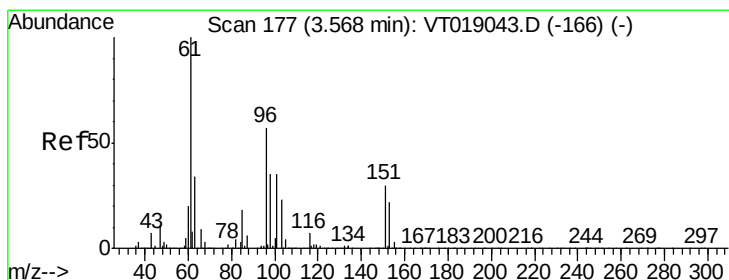
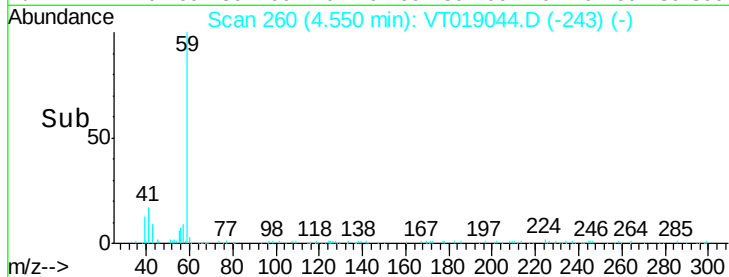
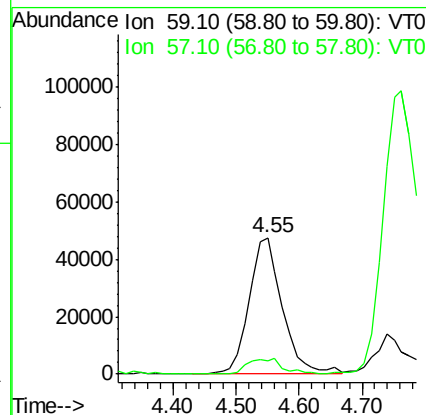
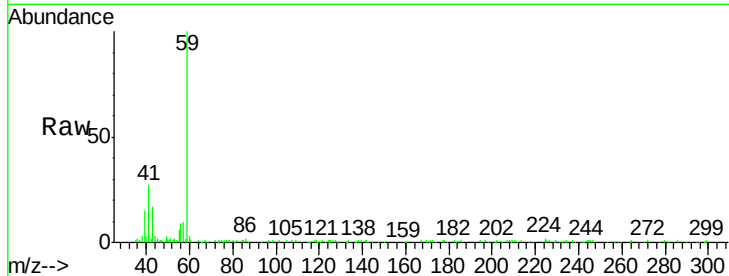


#11

Tert butyl alcohol
Concen: 344.31 ug/l
RT: 4.55 min Scan# 260
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

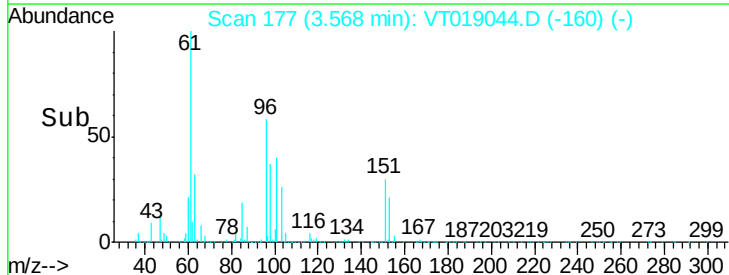
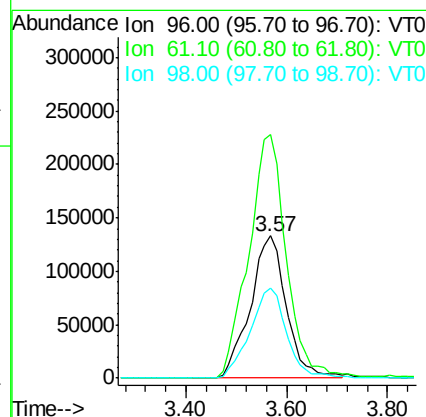
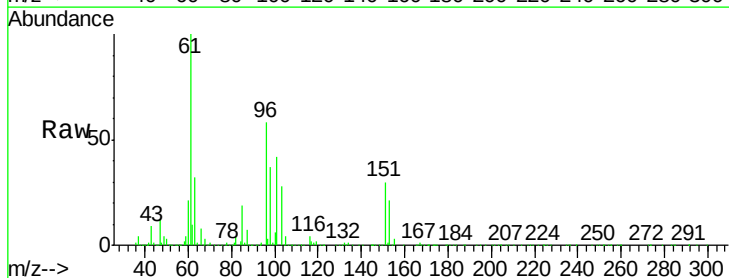
Tgt Ion: 59 Resp: 174426
Ion Ratio Lower Upper
59 100
57 9.9 7.7 11.5

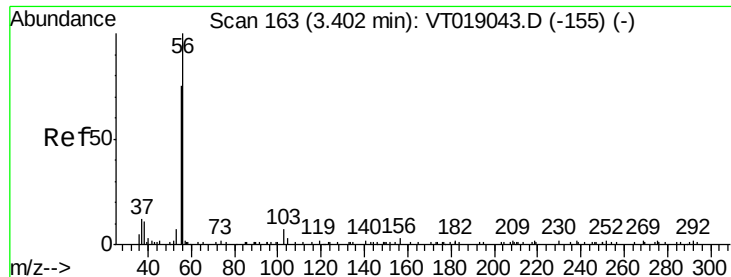


#12

1,1-Dichloroethene
Concen: 60.65 ug/l
RT: 3.57 min Scan# 177
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Tgt Ion: 96 Resp: 663879
Ion Ratio Lower Upper
96 100
61 171.3 139.4 209.2
98 63.2 49.4 74.2





#13

Acrolein

Concen: 109.54 ug/l

RT: 3.40 min Scan# 163

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

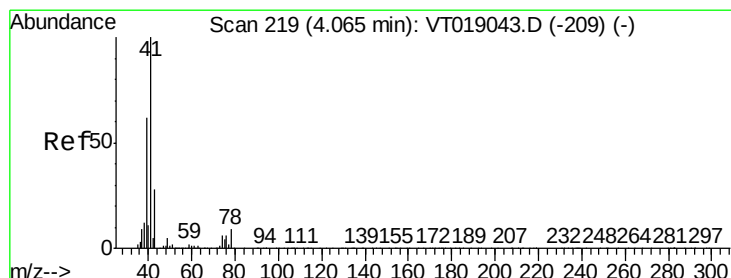
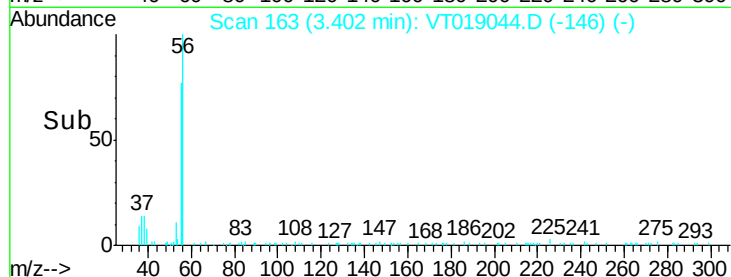
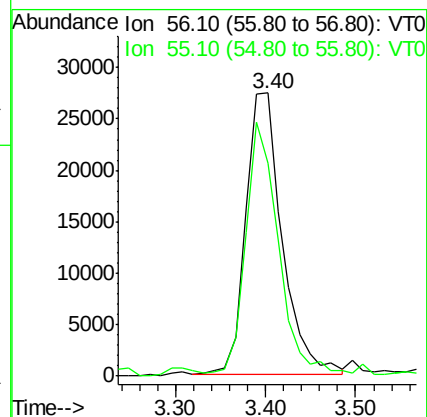
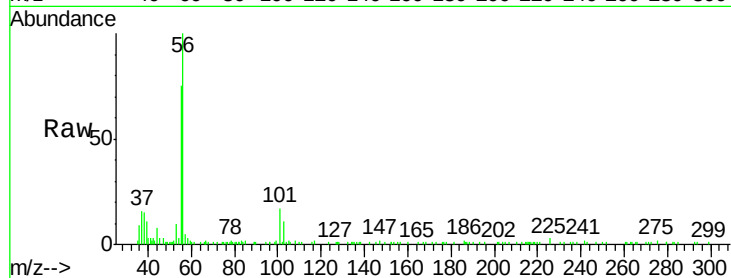
VSTDIC075

Tgt Ion: 56 Resp: 76584

Ion Ratio Lower Upper

56 100

55 75.4 60.8 91.2



#14

Allyl chloride

Concen: 73.47 ug/l

RT: 4.06 min Scan# 219

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

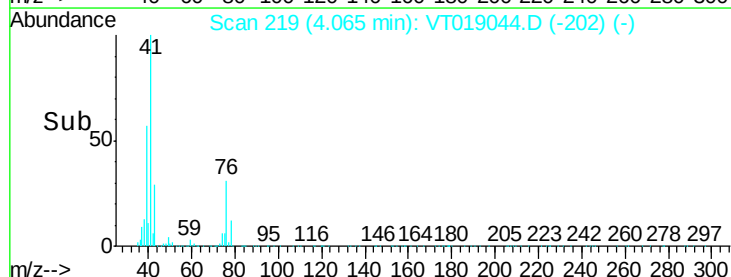
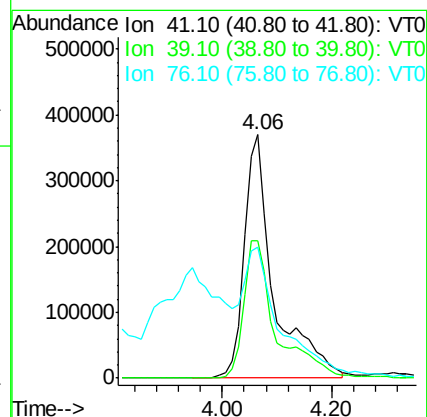
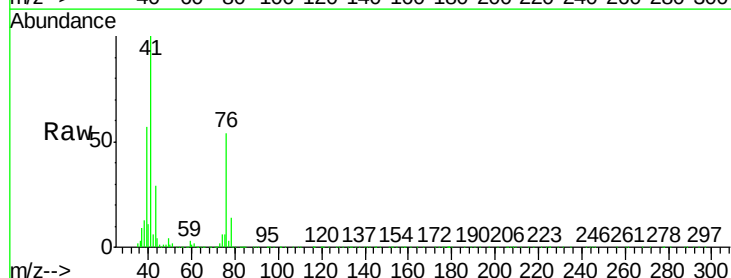
Tgt Ion: 41 Resp: 1406684

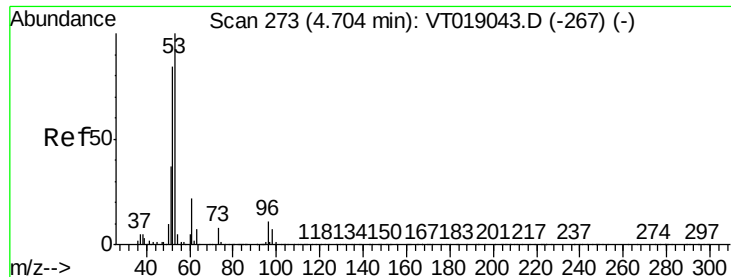
Ion Ratio Lower Upper

41 100

39 56.6 49.5 74.3

76 54.1 44.0 66.0





#15

Acrylonitrile

Concen: 321.65 ug/l

RT: 4.70 min Scan# 273

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC075

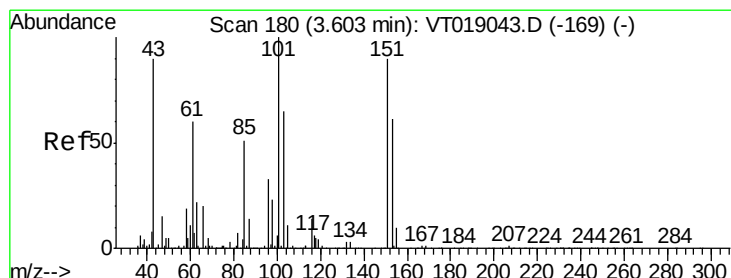
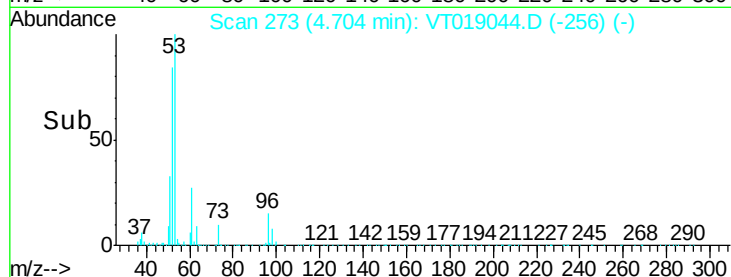
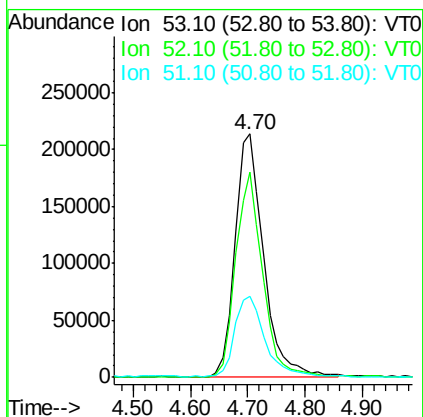
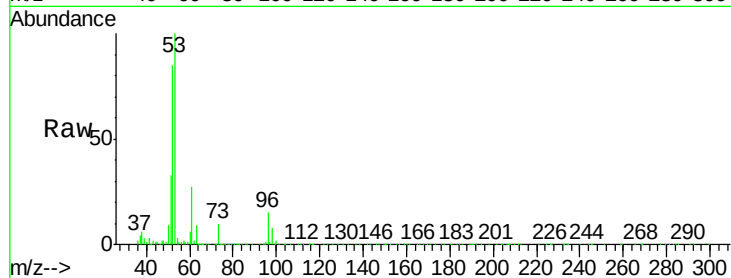
Tgt Ion: 53 Resp: 736802

Ion Ratio Lower Upper

53 100

52 84.5 67.4 101.0

51 33.3 29.6 44.4



#16

Acetone

Concen: 153.14 ug/l

RT: 3.59 min Scan# 179

Delta R.T. -0.01 min

Lab File: VT019044.D

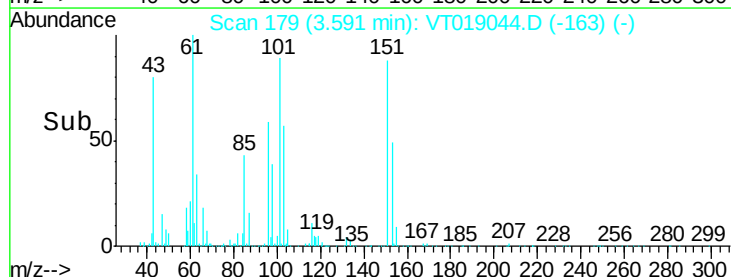
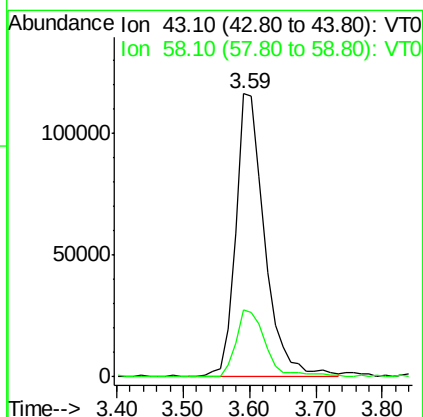
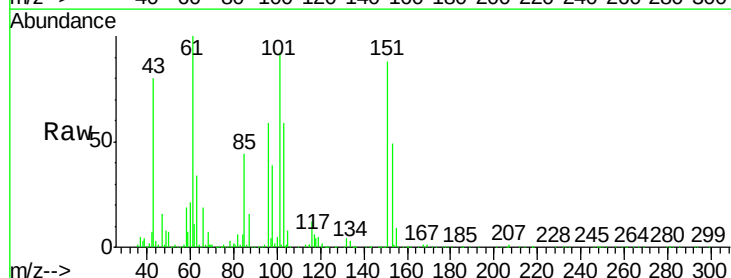
Acq: 8 May 2018 19:19

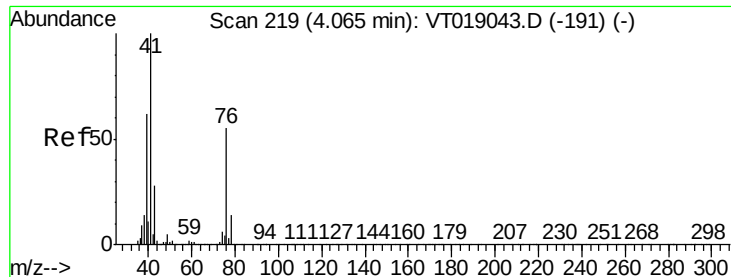
Tgt Ion: 43 Resp: 350263

Ion Ratio Lower Upper

43 100

58 23.7 16.7 25.1

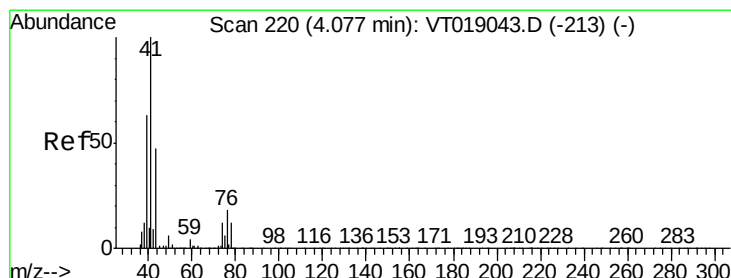
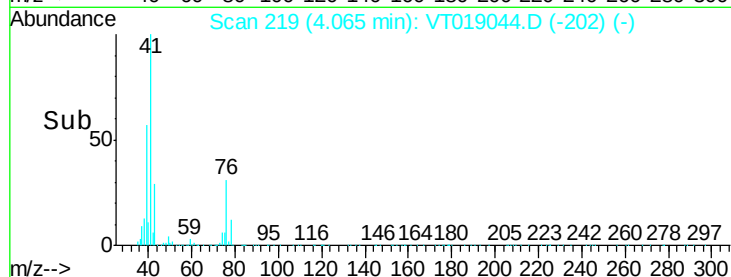
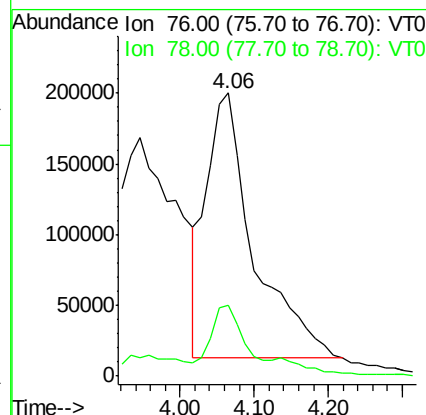
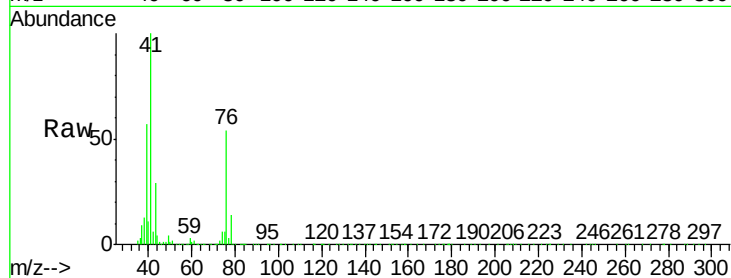




#17
Carbon Disulfide
Concen: 27.52 ug/l
RT: 4.06 min Scan# 219
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

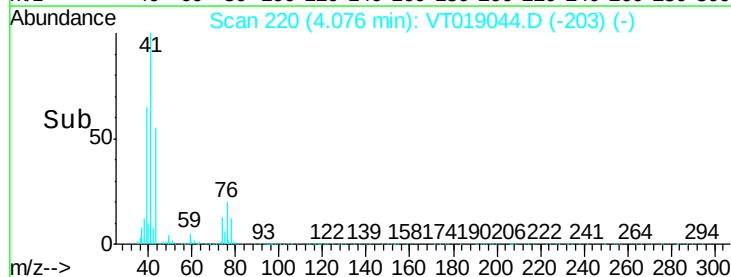
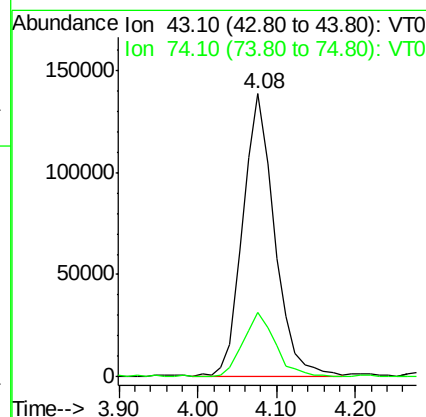
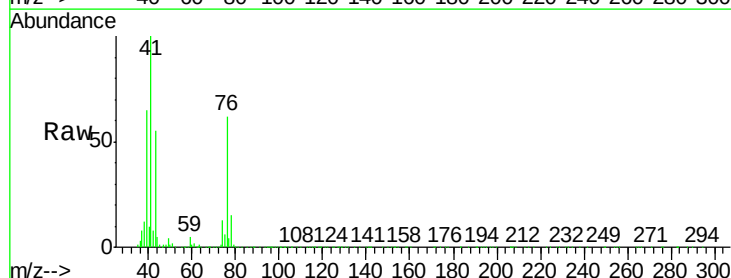
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

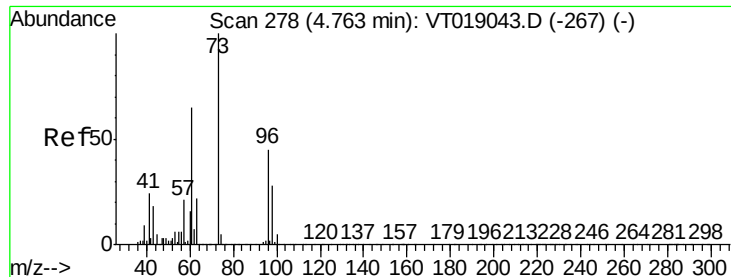
Tgt Ion: 76 Resp: 827906
Ion Ratio Lower Upper
76 100
78 25.2 19.8 29.8



#18
Methyl Acetate
Concen: 40.03 ug/l
RT: 4.08 min Scan# 220
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Tgt Ion: 43 Resp: 390378
Ion Ratio Lower Upper
43 100
74 22.9 19.8 29.8

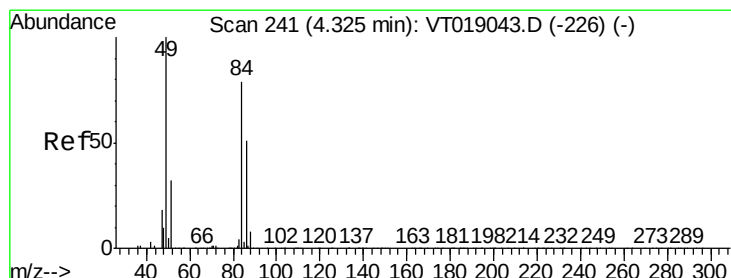
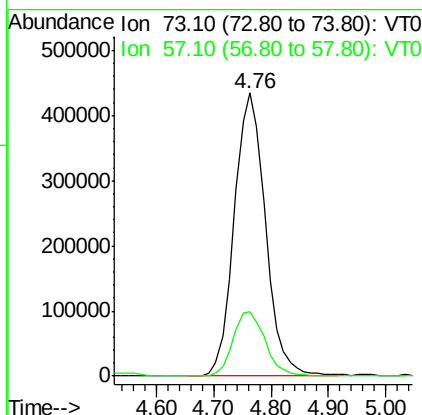
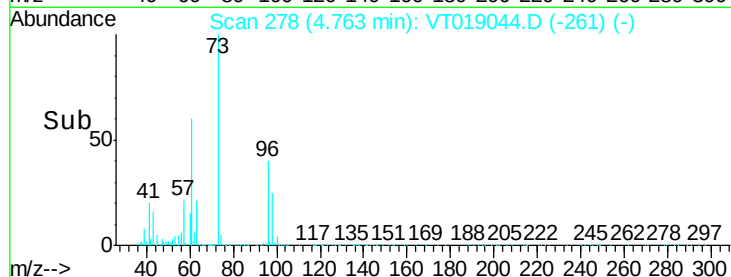
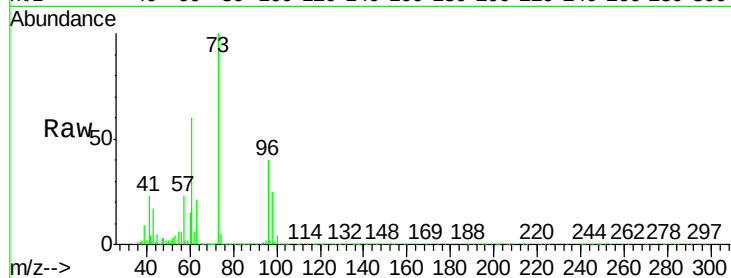




#19
Methyl tert-butyl Ether
Concen: 79.34 ug/l
RT: 4.76 min Scan# 278
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

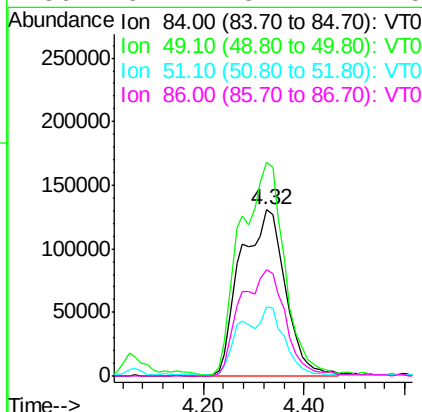
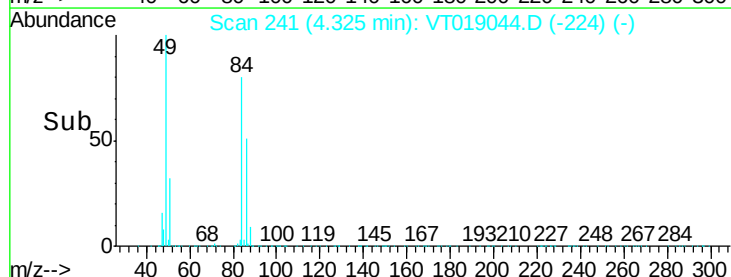
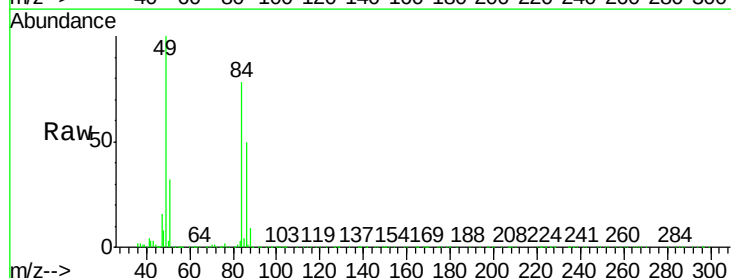
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

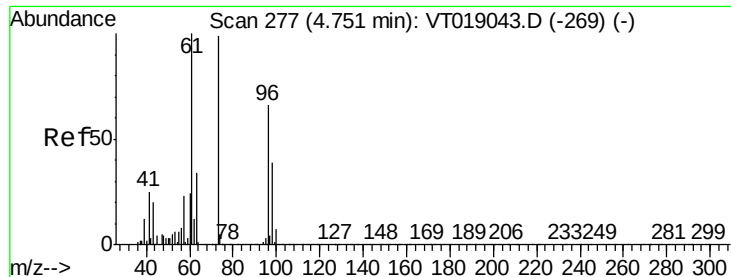
Tgt Ion: 73 Resp: 1644454
Ion Ratio Lower Upper
73 100
57 22.7 16.6 25.0



#20
Methylene Chloride
Concen: 63.38 ug/l
RT: 4.32 min Scan# 241
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Tgt Ion: 84 Resp: 807684
Ion Ratio Lower Upper
84 100
49 128.7 103.0 154.4
51 41.7 33.3 49.9
86 64.1 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 81.69 ug/l

RT: 4.74 min Scan# 276

Delta R.T. -0.01 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC075

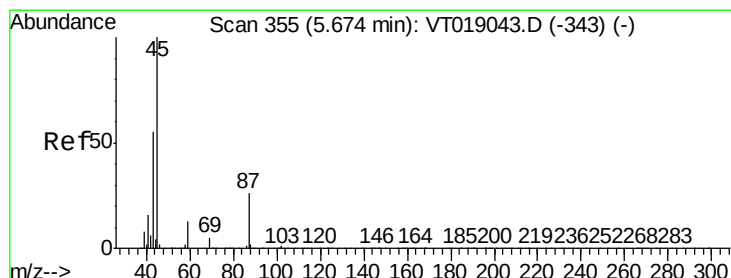
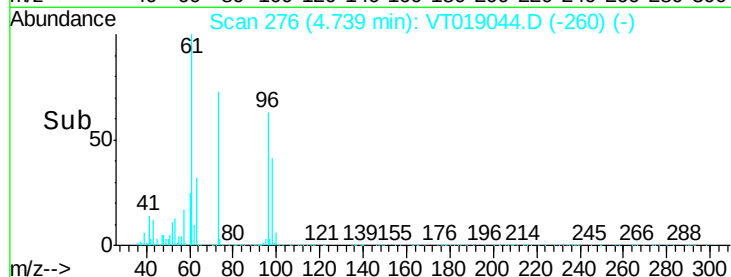
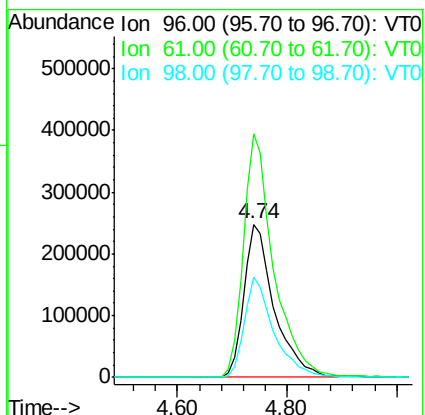
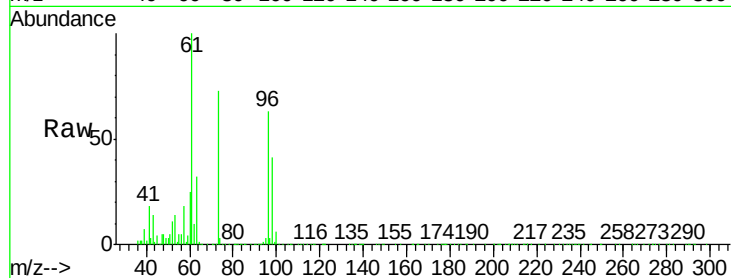
Tgt Ion: 96 Resp: 961280

Ion Ratio Lower Upper

96 100

61 158.8 120.8 181.2

98 65.6 47.4 71.2



#22

Diisopropyl ether

Concen: 79.06 ug/l

RT: 5.67 min Scan# 355

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Tgt Ion: 45 Resp: 2673683

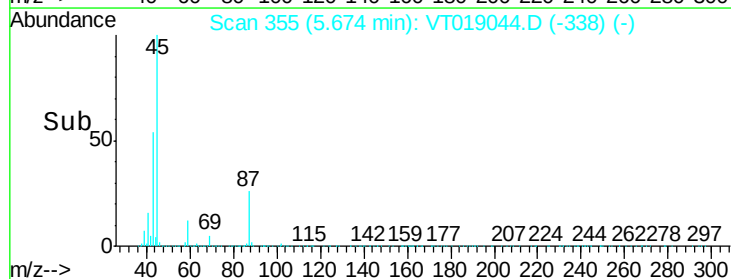
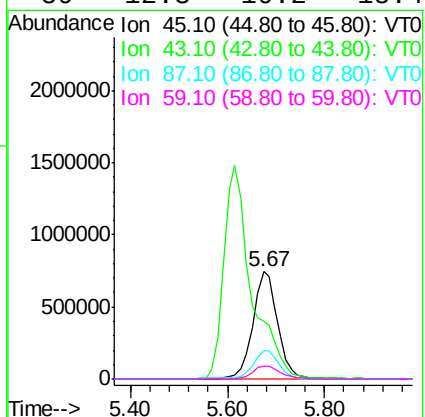
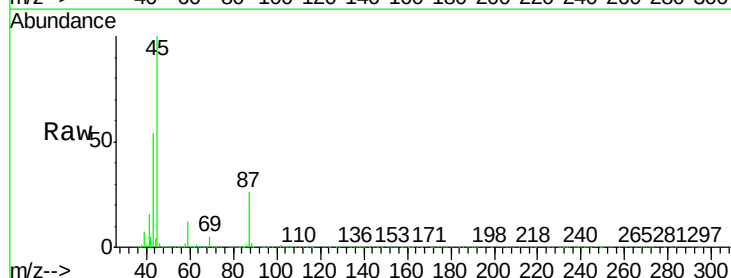
Ion Ratio Lower Upper

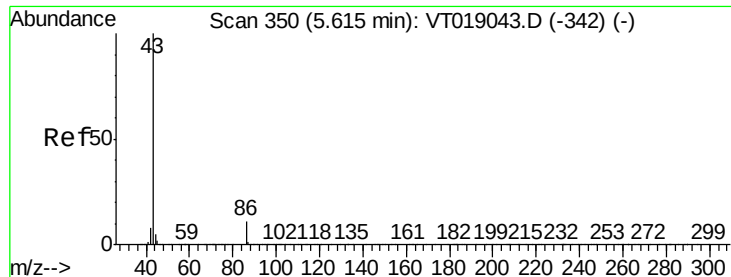
45 100

43 53.8 43.8 65.6

87 26.1 20.8 31.2

59 12.3 10.2 15.4





#23

Vinyl Acetate

Concen: 467.26 ug/l

RT: 5.61 min Scan# 350

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

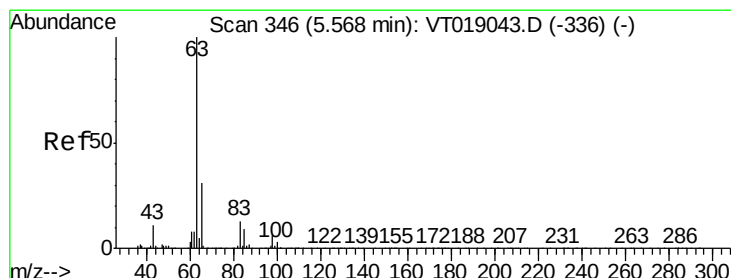
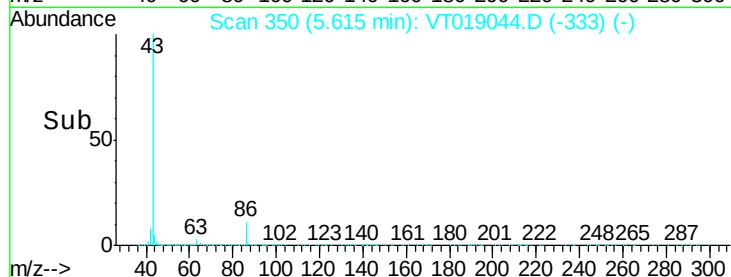
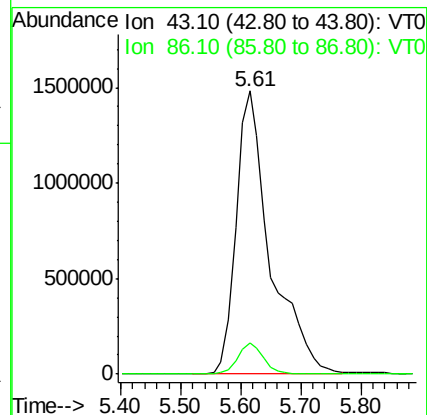
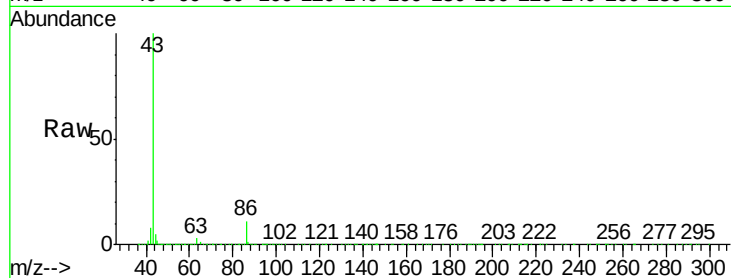
VSTDIC075

Tgt Ion: 43 Resp: 5872538

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0



#24

1,1-Dichloroethane

Concen: 90.78 ug/l

RT: 5.56 min Scan# 345

Delta R.T. -0.01 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

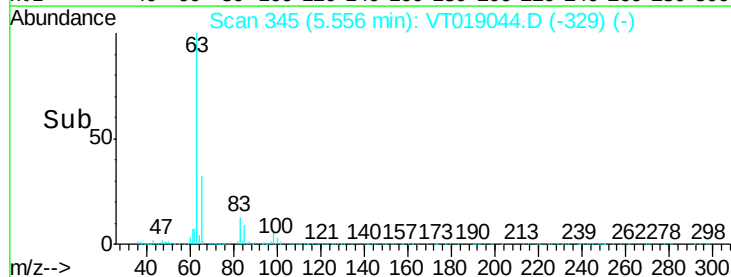
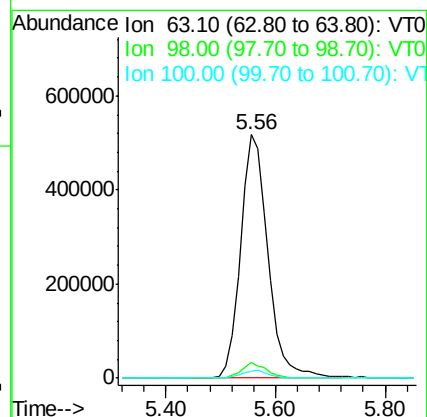
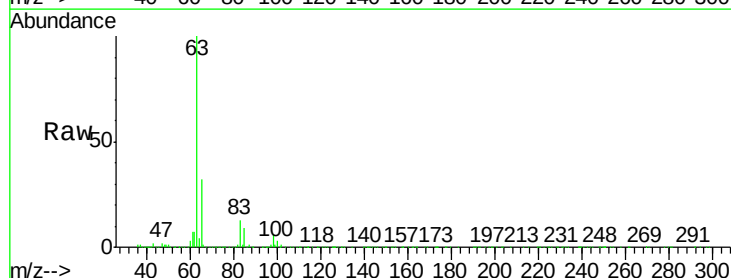
Tgt Ion: 63 Resp: 1815670

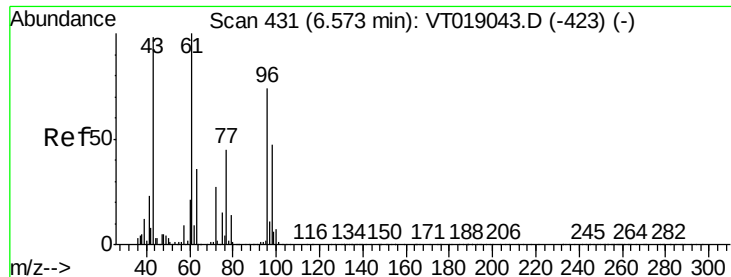
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.0 1.7 5.1





#25

2-Butanone

Concen: 275.34 ug/l

RT: 6.57 min Scan# 431

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

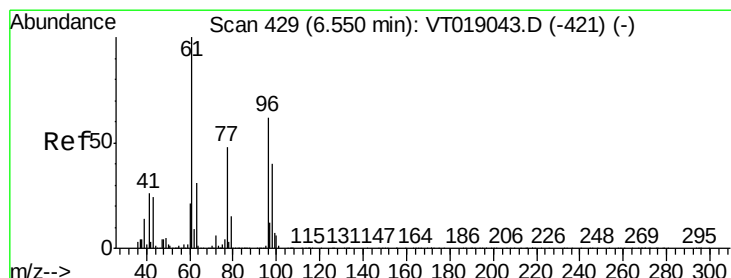
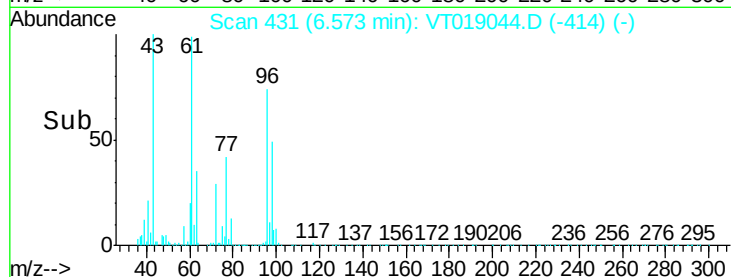
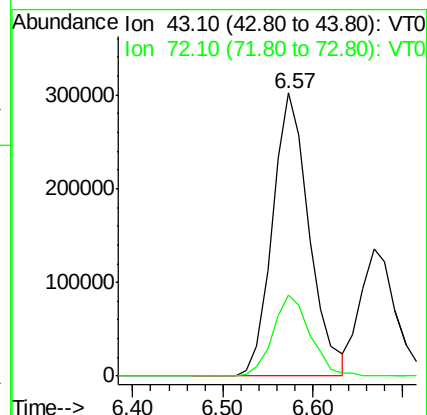
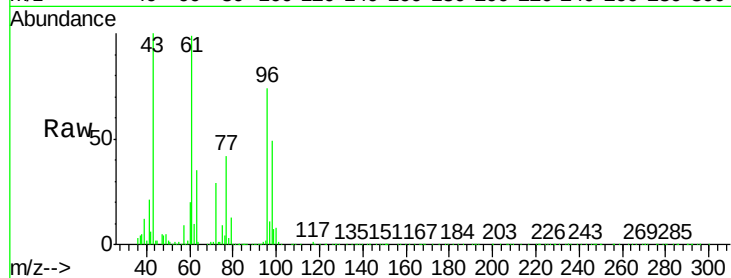
VSTDIC075

Tgt Ion: 43 Resp: 859816

Ion Ratio Lower Upper

43 100

72 28.6 22.1 33.1



#26

2,2-Dichloropropane

Concen: 76.28 ug/l

RT: 6.55 min Scan# 429

Delta R.T. -0.00 min

Lab File: VT019044.D

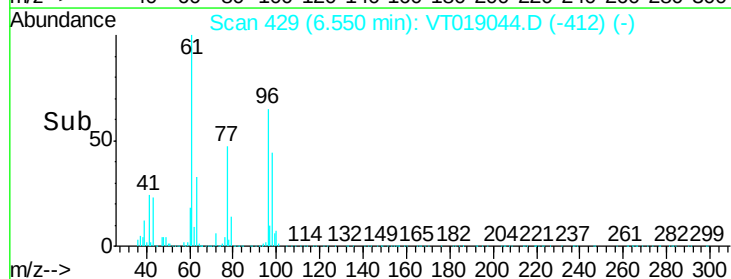
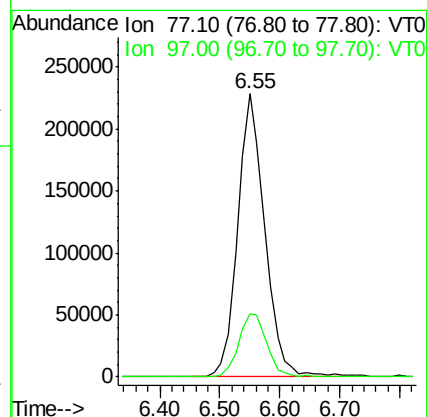
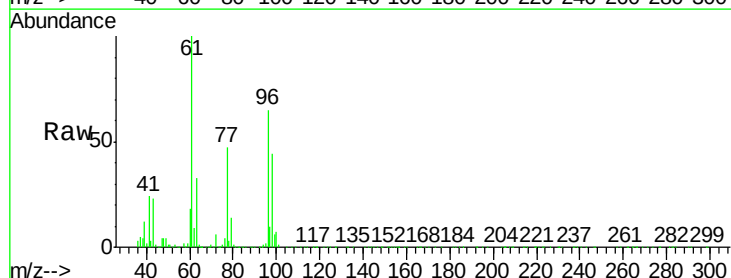
Acq: 8 May 2018 19:19

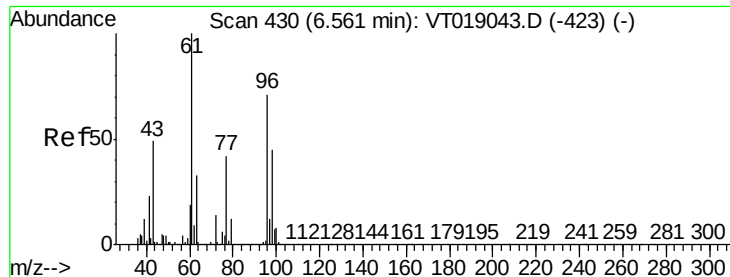
Tgt Ion: 77 Resp: 718173

Ion Ratio Lower Upper

77 100

97 22.2 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 83.72 ug/l

RT: 6.56 min Scan# 430

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC075

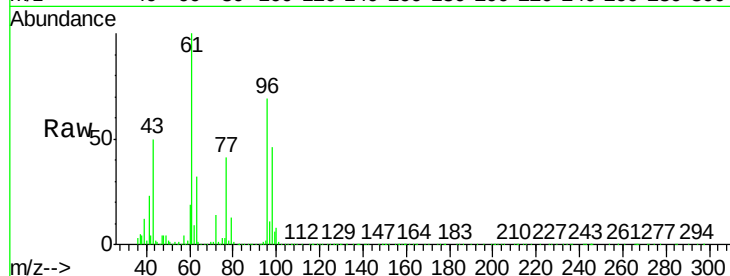
Tgt Ion: 96 Resp: 961975

Ion Ratio Lower Upper

96 100

61 145.2 0.0 282.0

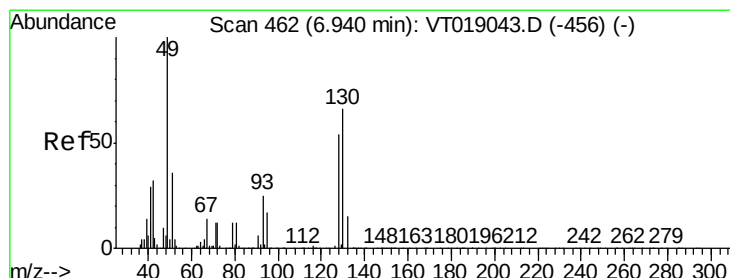
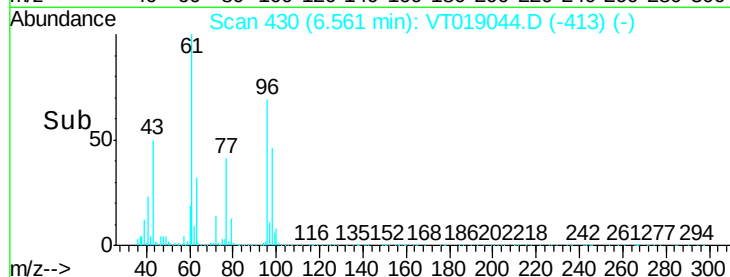
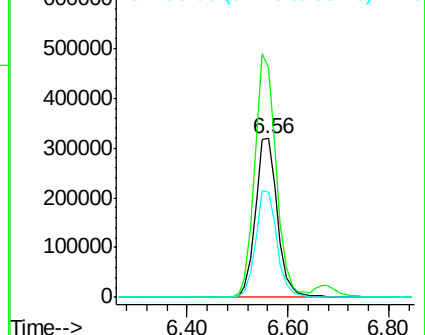
98 66.7 0.0 125.8



Abundance Ion 96.00 (95.70 to 96.70): VT0

Ion 61.10 (60.80 to 61.80): VT0

Ion 98.00 (97.70 to 98.70): VT0



#28

Bromochloromethane

Concen: 73.64 ug/l

RT: 6.94 min Scan# 462

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

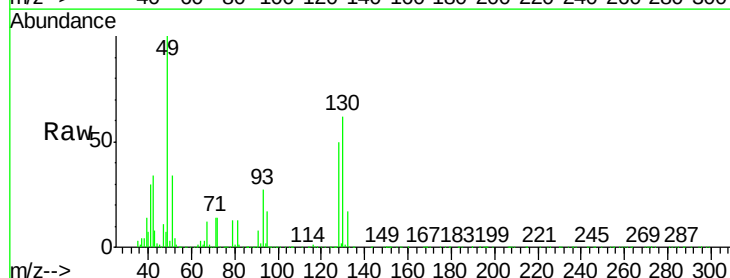
Tgt Ion: 49 Resp: 602054

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.8

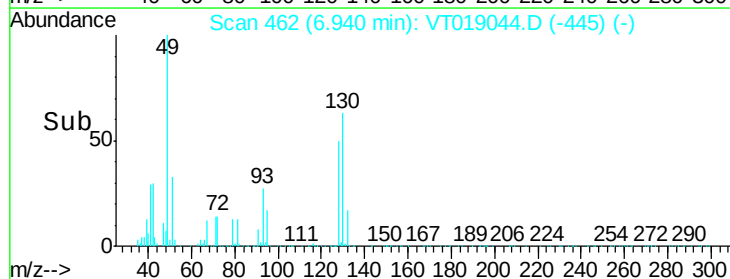
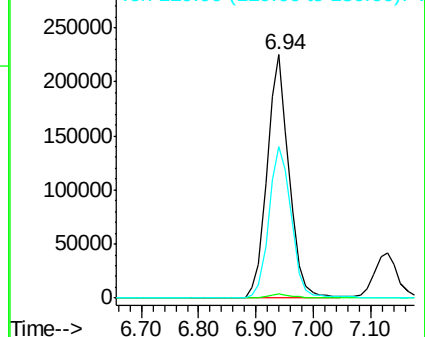
130 62.4 52.4 78.6

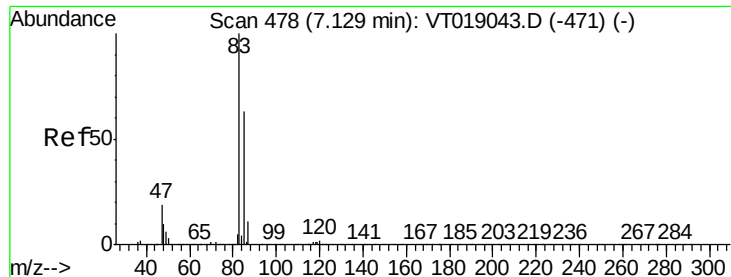


Abundance Ion 49.10 (48.80 to 49.80): VT0

Ion 129.00 (128.70 to 129.70): V

Ion 129.90 (129.60 to 130.60): V

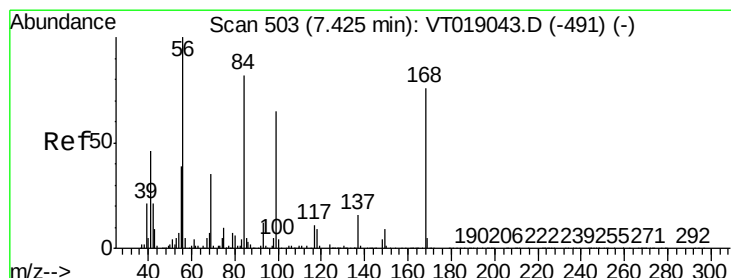
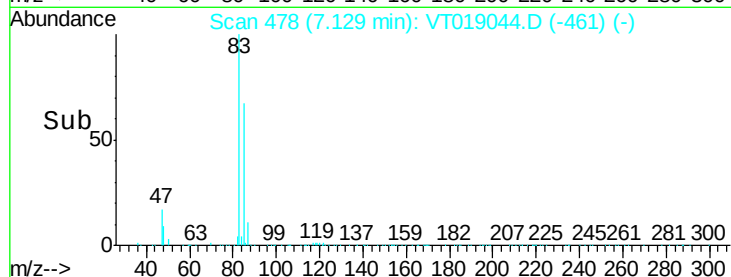
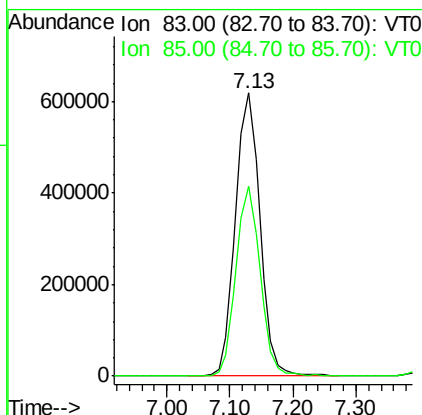
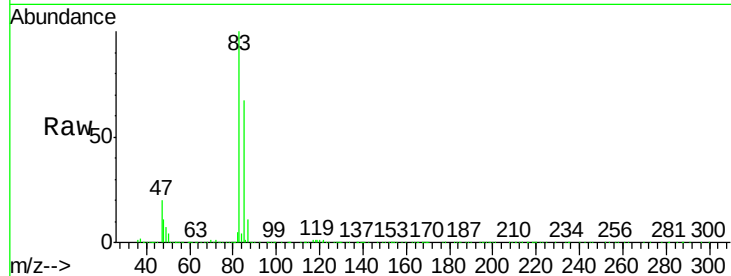




#29
Chloroform
Concen: 91.20 ug/l
RT: 7.13 min Scan# 478
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

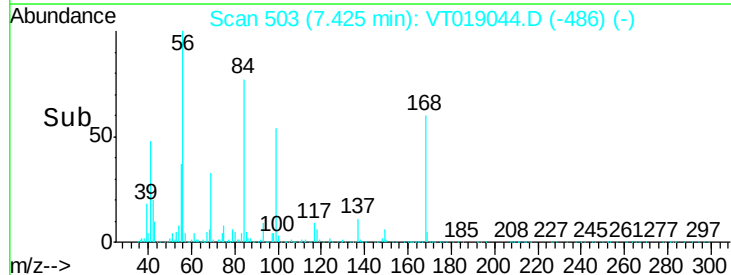
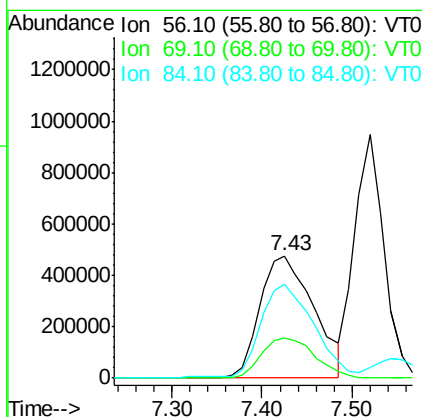
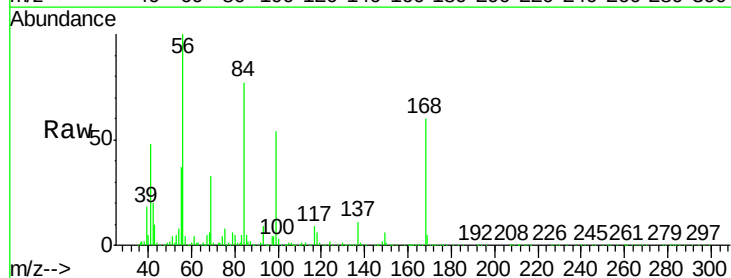
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

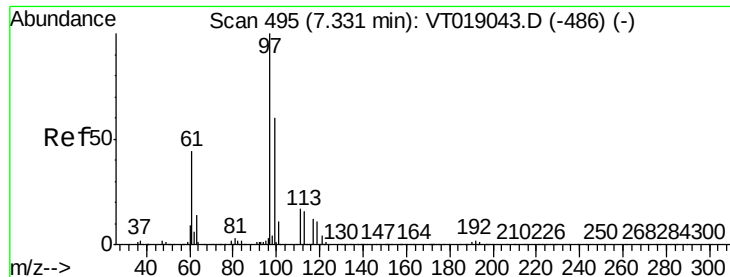
Tgt Ion: 83 Resp: 1670392
Ion Ratio Lower Upper
83 100
85 67.1 50.6 76.0



#30
Cyclohexane
Concen: 87.15 ug/l
RT: 7.43 min Scan# 503
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Tgt Ion: 56 Resp: 1983763
Ion Ratio Lower Upper
56 100
69 33.0 28.2 42.2
84 76.9 65.6 98.4





#31

1,1,1-Trichloroethane

Concen: 95.49 ug/l

RT: 7.33 min Scan# 495

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC075

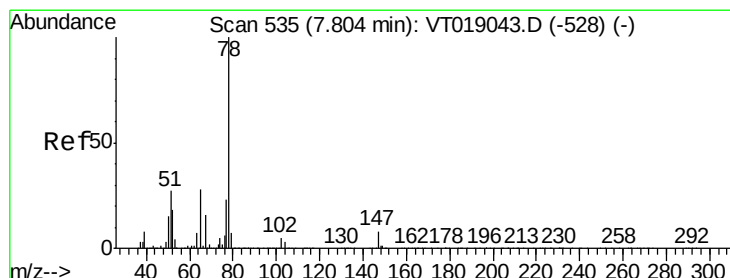
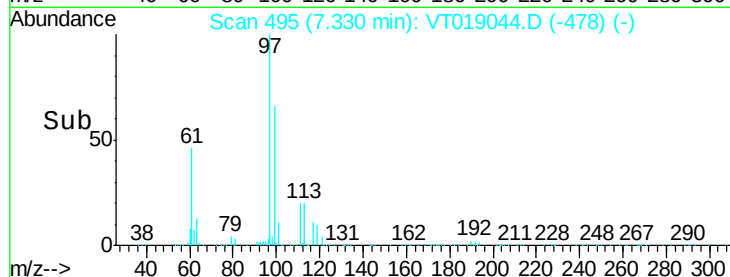
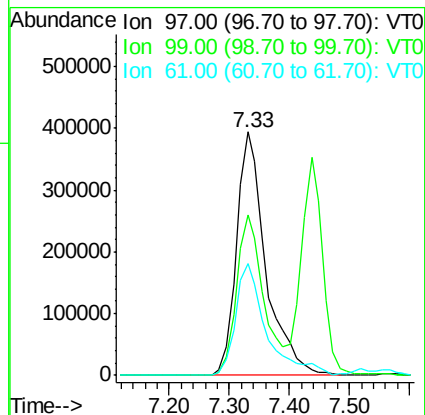
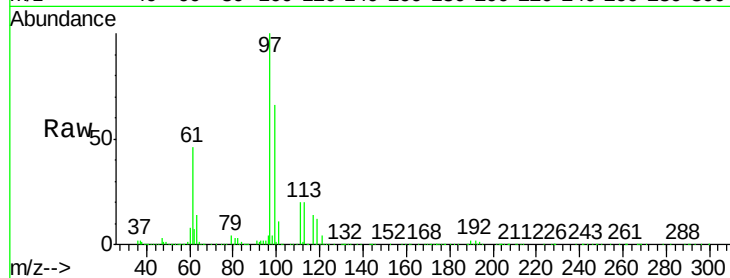
Tgt Ion: 97 Resp: 1338623

Ion Ratio Lower Upper

97 100

99 65.7 47.6 71.4

61 46.1 35.3 52.9



#32

1,2-Dichloroethane-d4

Concen: 83.25 ug/l

RT: 7.80 min Scan# 535

Delta R.T. -0.00 min

Lab File: VT019044.D

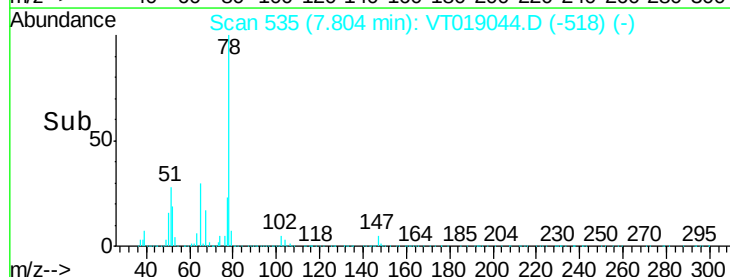
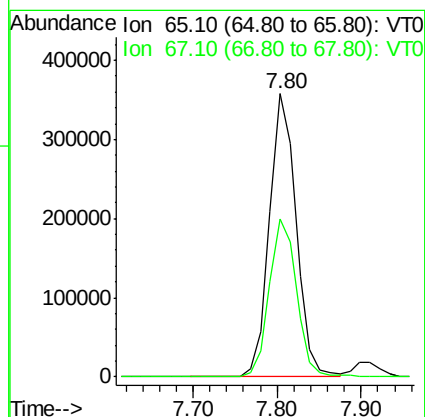
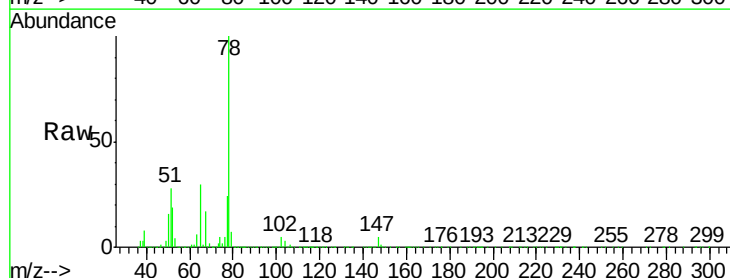
Acq: 8 May 2018 19:19

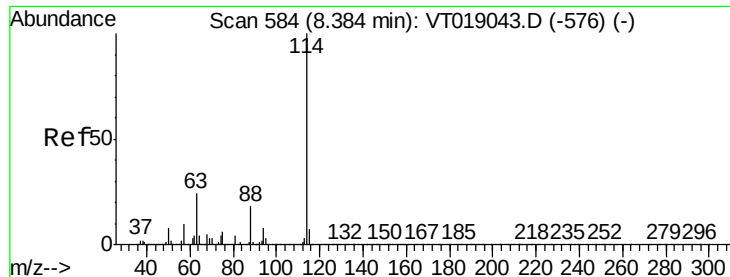
Tgt Ion: 65 Resp: 788583

Ion Ratio Lower Upper

65 100

67 55.7 0.0 114.2

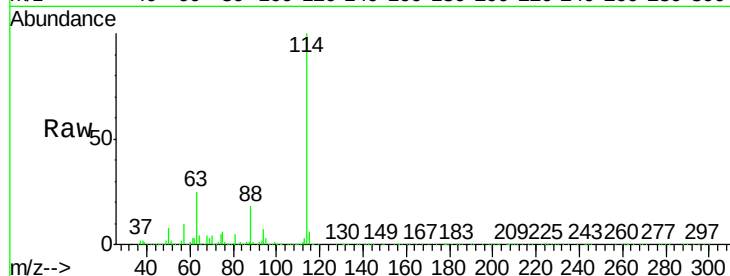




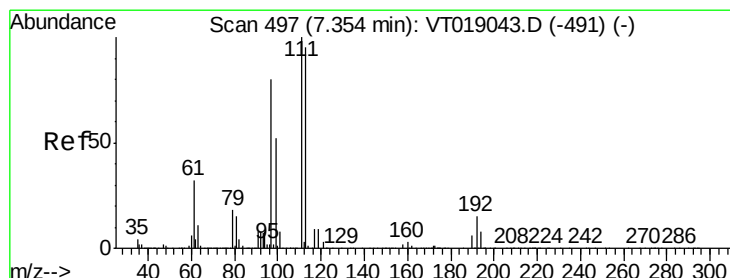
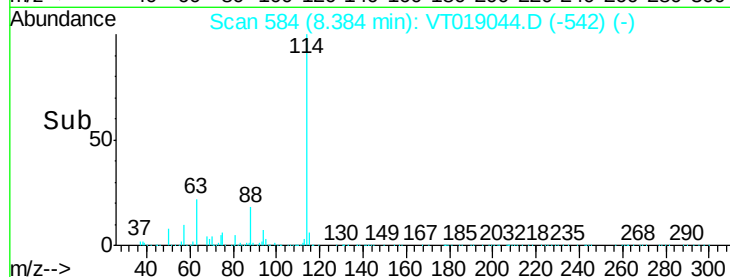
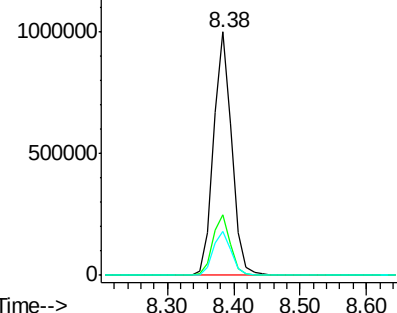
#33
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.38 min Scan# 584
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

Tgt Ion:114 Resp: 1938269
Ion Ratio Lower Upper
114 100
63 24.7 0.0 48.8
88 18.3 0.0 37.0

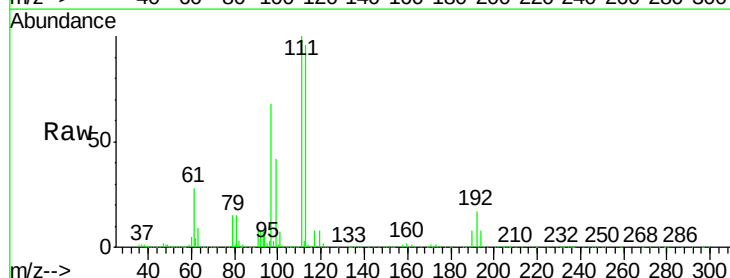


Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VT0
Ion 88.10 (87.80 to 88.80): VT0

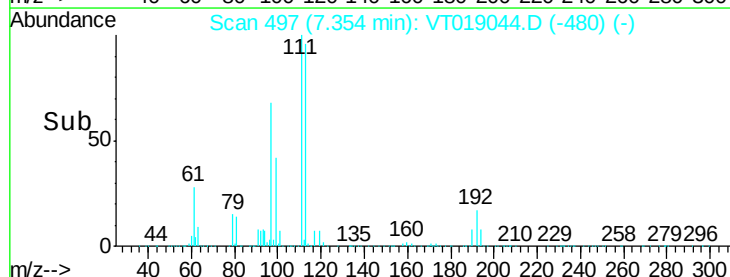
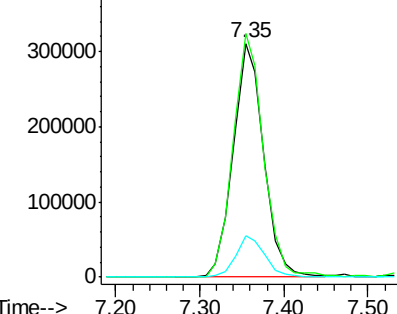


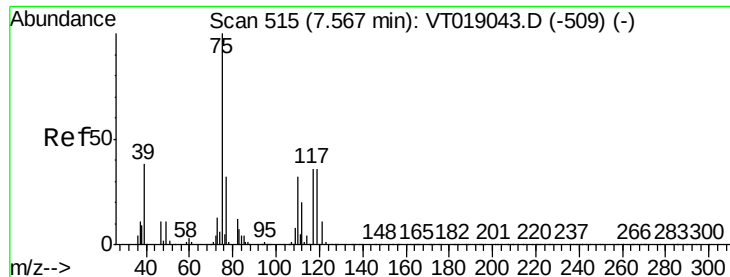
#34
Dibromofluoromethane
Concen: 74.88 ug/l
RT: 7.35 min Scan# 497
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Tgt Ion:113 Resp: 785991
Ion Ratio Lower Upper
113 100
111 104.3 84.0 126.0
192 17.7 12.9 19.3



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V





#35

1,1-Dichloropropene

Concen: 81.99 ug/l

RT: 7.56 min Scan# 514

Delta R.T. -0.01 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC075

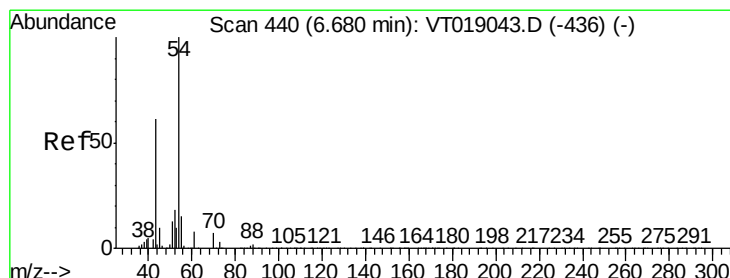
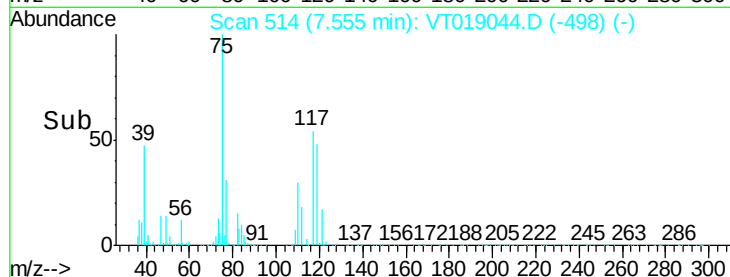
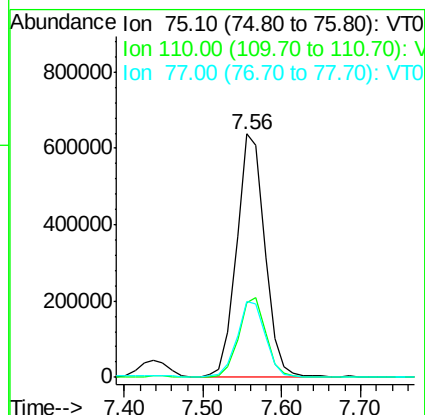
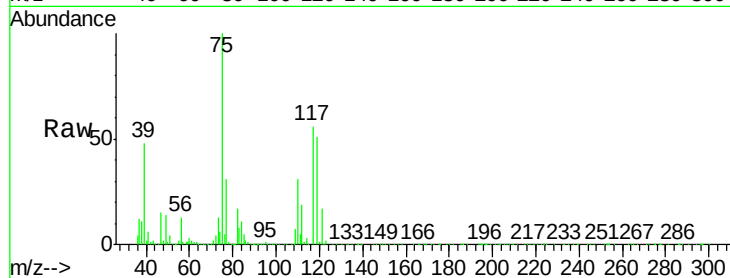
Tgt Ion: 75 Resp: 1570036

Ion Ratio Lower Upper

75 100

110 30.9 15.9 47.6

77 31.2 25.9 38.9



#36

Ethyl Acetate

Concen: 53.66 ug/l

RT: 6.67 min Scan# 439

Delta R.T. -0.01 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

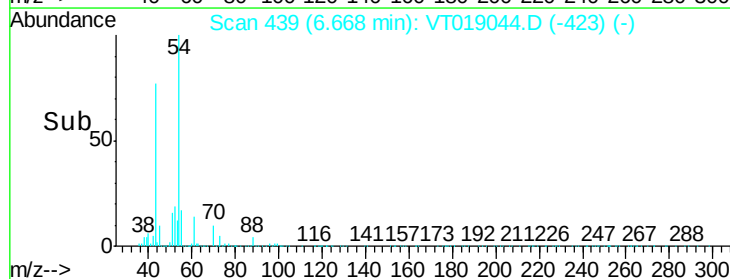
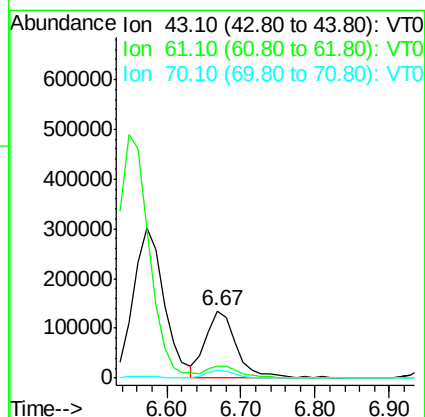
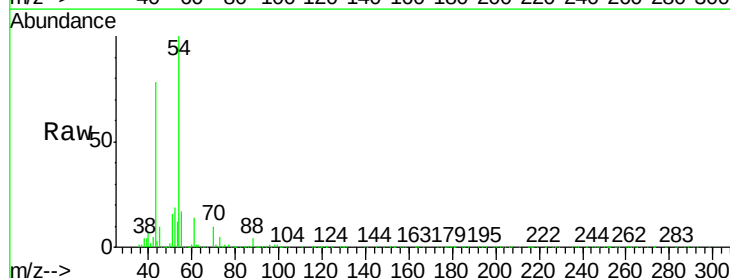
Tgt Ion: 43 Resp: 379812

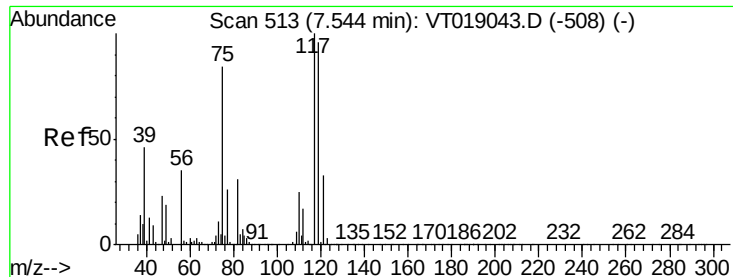
Ion Ratio Lower Upper

43 100

61 18.4 14.2 21.2

70 12.5 8.4 12.6





#37

Carbon Tetrachloride

Concen: 80.30 ug/l

RT: 7.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC075

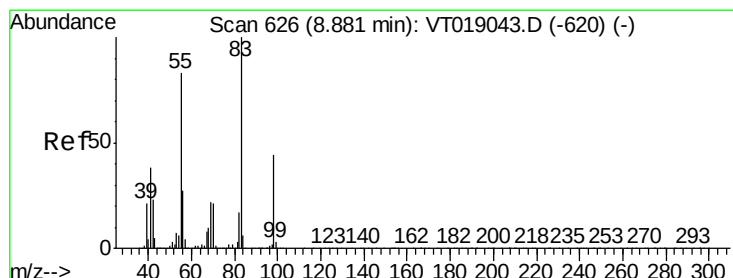
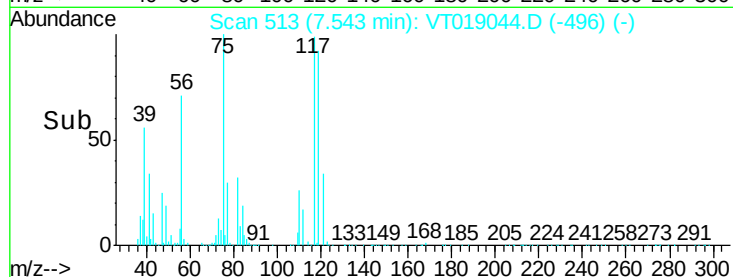
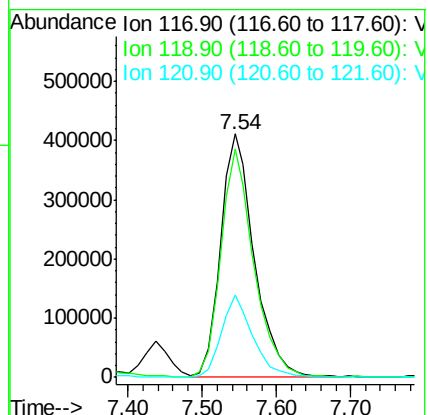
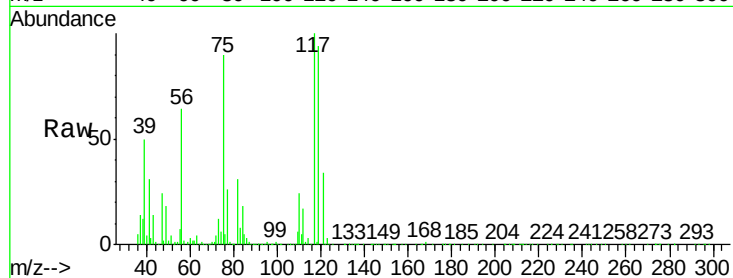
Tgt Ion:117 Resp: 1286546

Ion Ratio Lower Upper

117 100

119 93.6 76.5 114.7

121 34.0 26.0 39.0



#38

Methylcyclohexane

Concen: 78.70 ug/l

RT: 8.88 min Scan# 626

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

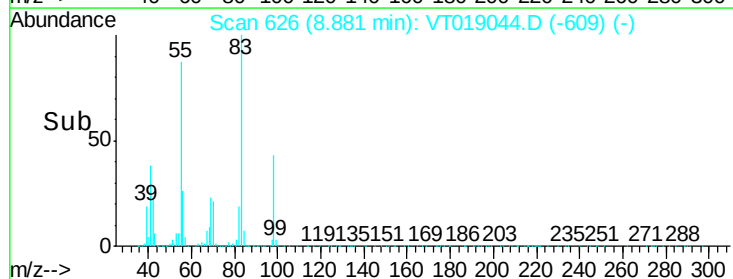
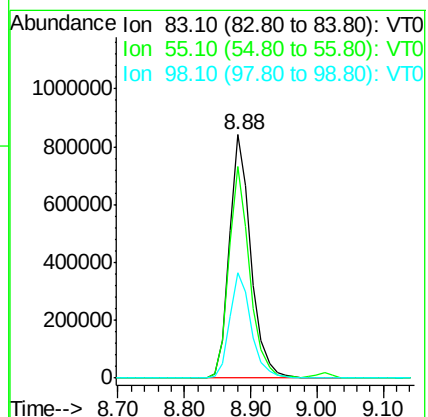
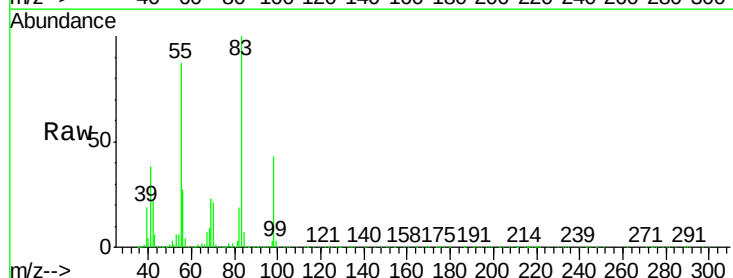
Tgt Ion: 83 Resp: 1925843

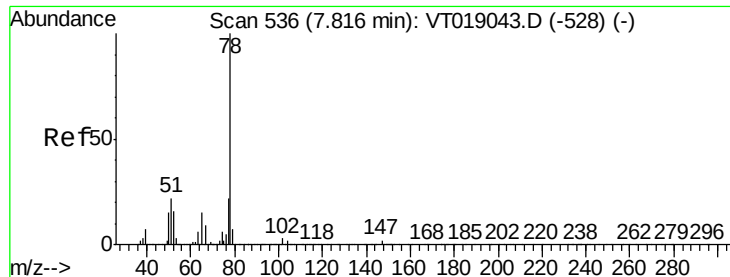
Ion Ratio Lower Upper

83 100

55 87.1 66.7 100.1

98 43.5 35.5 53.3





#39

Benzene

Concen: 75.97 ug/l

RT: 7.82 min Scan# 536

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC075

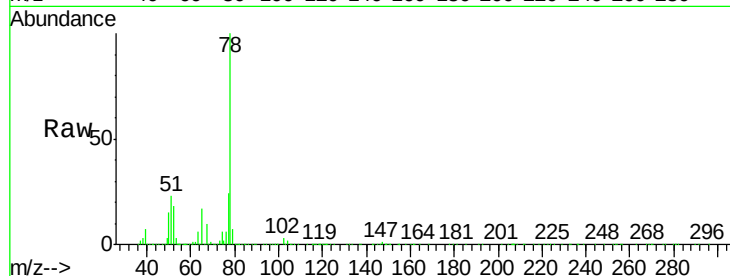
Tgt Ion: 78 Resp: 4021143

Ion Ratio Lower Upper

78 100

77 23.8 18.0 27.0

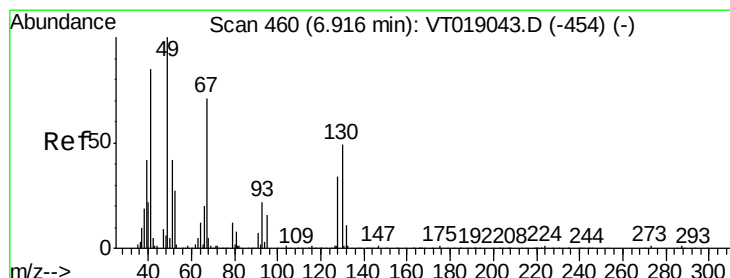
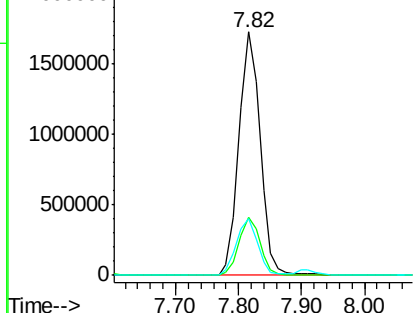
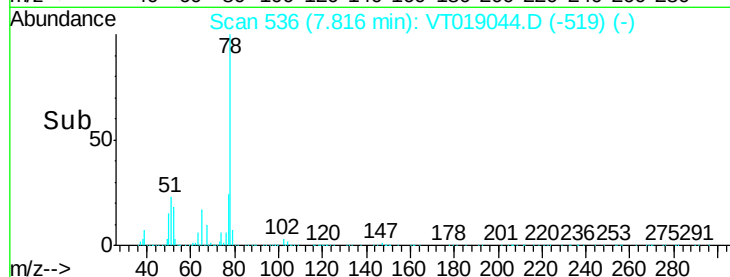
51 23.1 17.3 25.9



Abundance Ion 78.10 (77.80 to 78.80): VT0

Ion 77.10 (76.80 to 77.80): VT0

Ion 51.10 (50.80 to 51.80): VT0



#40

Methacrylonitrile

Concen: 58.08 ug/l

RT: 6.92 min Scan# 460

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Tgt Ion: 41 Resp: 242669

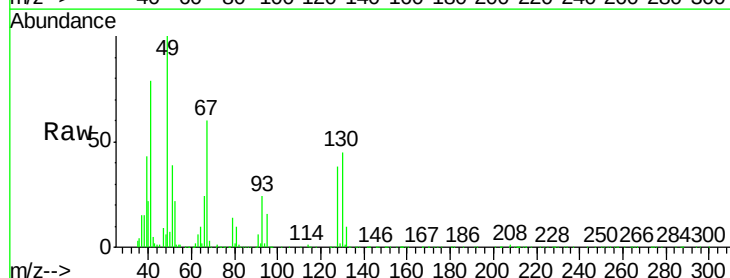
Ion Ratio Lower Upper

41 100

39 54.5 39.4 59.0

67 75.4 66.8 100.2

52 27.7 25.5 38.3

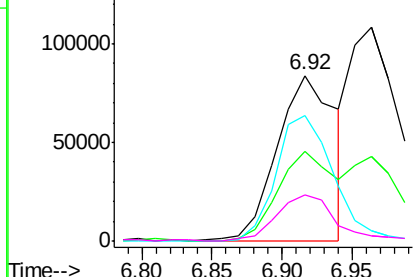
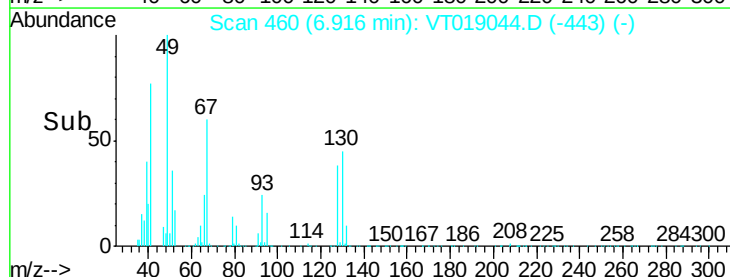


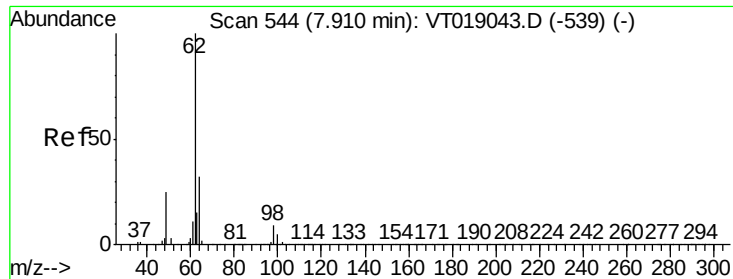
Abundance Ion 41.10 (40.80 to 41.80): VT0

Ion 39.10 (38.80 to 39.80): VT0

Ion 67.10 (66.80 to 67.80): VT0

Ion 52.10 (51.80 to 52.80): VT0

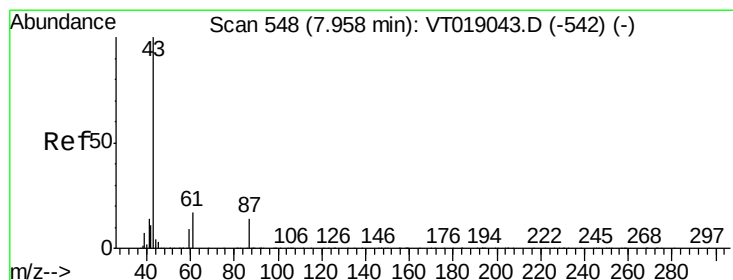
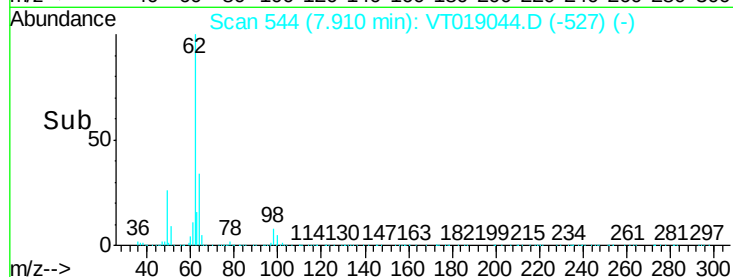
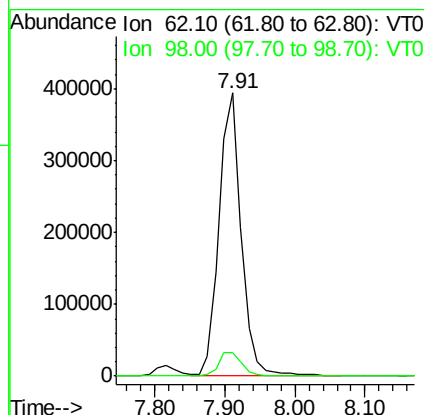
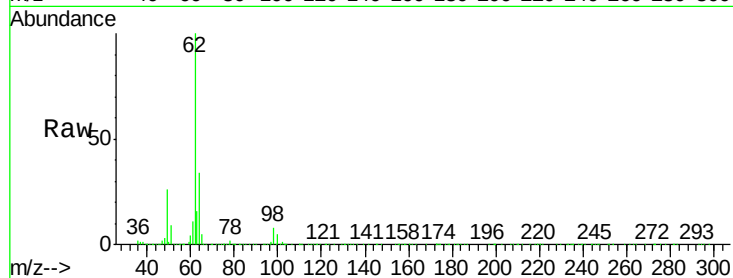




#41
 1,2-Dichloroethane
 Concen: 67.70 ug/l
 RT: 7.91 min Scan# 544
 Delta R.T. -0.00 min
 Lab File: VT019044.D
 Acq: 8 May 2018 19:19

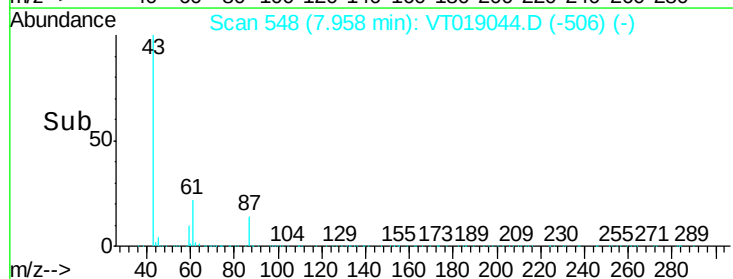
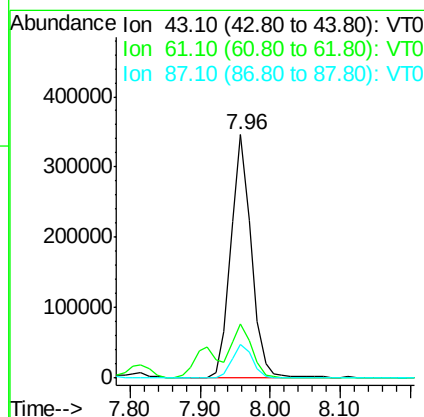
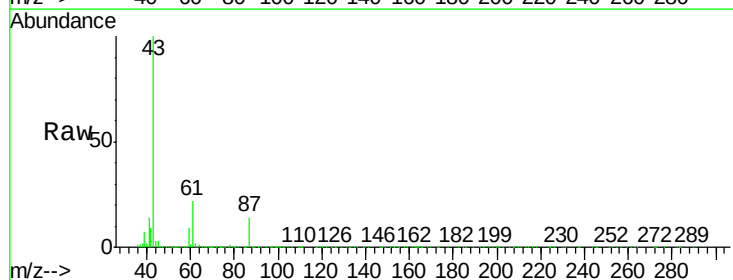
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC075

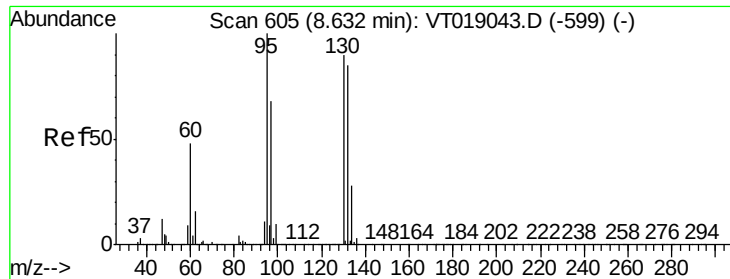
Tgt Ion: 62 Resp: 862143
 Ion Ratio Lower Upper
 62 100
 98 8.4 0.0 17.4



#42
 Isopropyl Acetate
 Concen: 60.23 ug/l
 RT: 7.96 min Scan# 548
 Delta R.T. -0.00 min
 Lab File: VT019044.D
 Acq: 8 May 2018 19:19

Tgt Ion: 43 Resp: 699028
 Ion Ratio Lower Upper
 43 100
 61 22.4 17.9 26.9
 87 14.1 11.0 16.6





#43

Trichloroethene

Concen: 68.88 ug/l

RT: 8.63 min Scan# 605

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

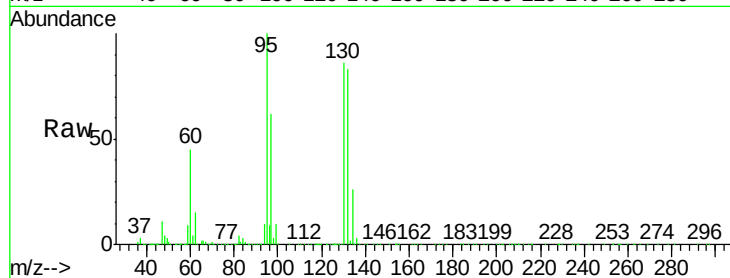
VSTDIC075

Tgt Ion:130 Resp: 924402

Ion Ratio Lower Upper

130 100

95 115.9 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

600000

500000

400000

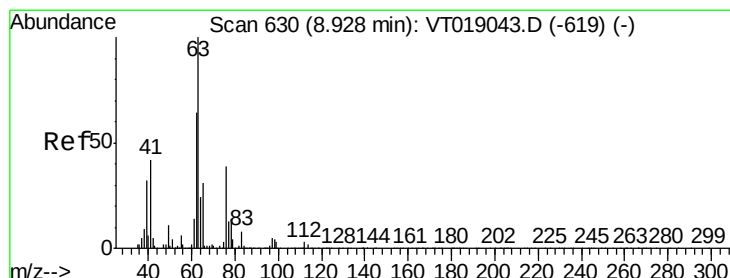
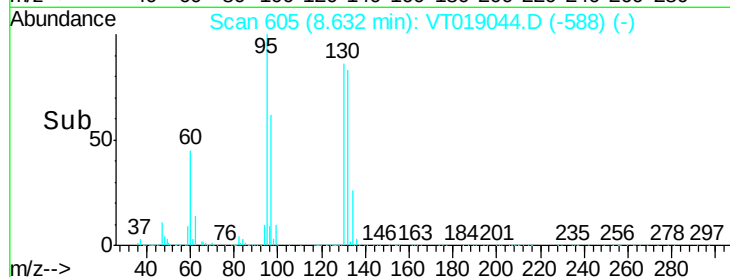
300000

200000

100000

0

Time--> 8.50 8.60 8.70 8.80



#44

1,2-Dichloropropane

Concen: 77.18 ug/l

RT: 8.92 min Scan# 629

Delta R.T. -0.01 min

Lab File: VT019044.D

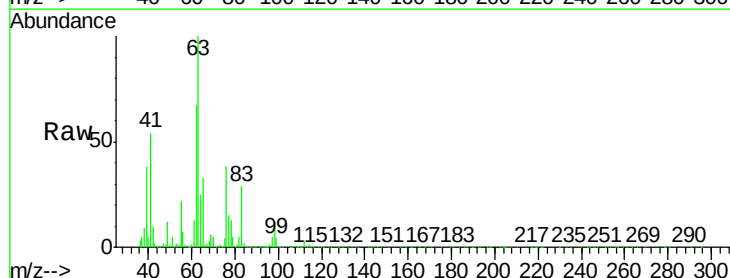
Acq: 8 May 2018 19:19

Tgt Ion: 63 Resp: 946468

Ion Ratio Lower Upper

63 100

65 32.7 25.0 37.4



Abundance Ion 63.10 (62.80 to 63.80): VT0

Ion 65.10 (64.80 to 65.80): VT0

8.92

500000

400000

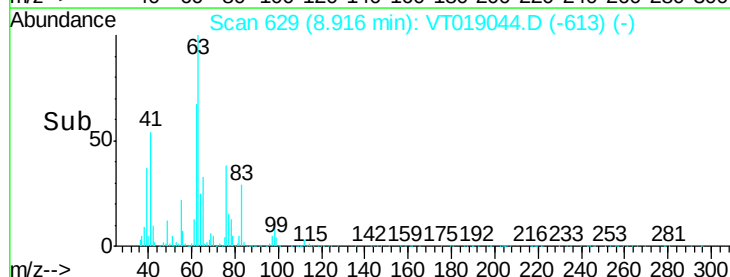
300000

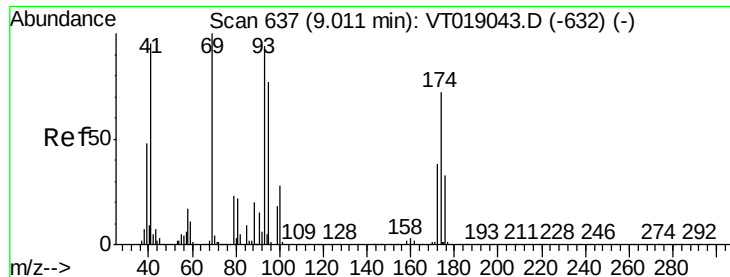
200000

100000

0

Time--> 8.80 8.90 9.00 9.10

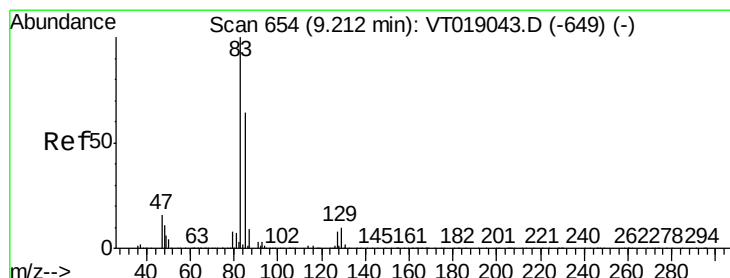
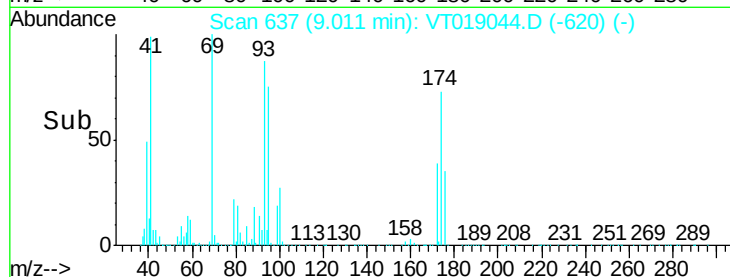
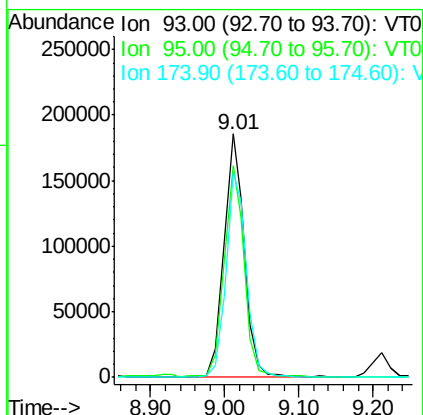
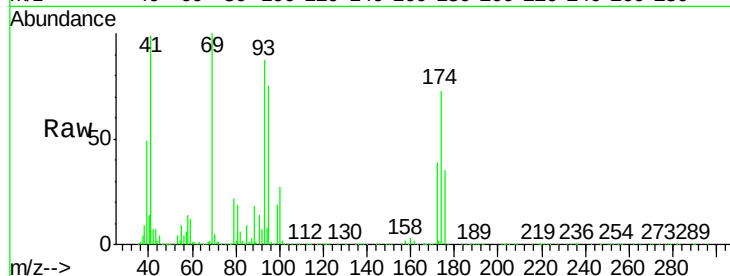




#45
Dibromomethane
Concen: 67.01 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

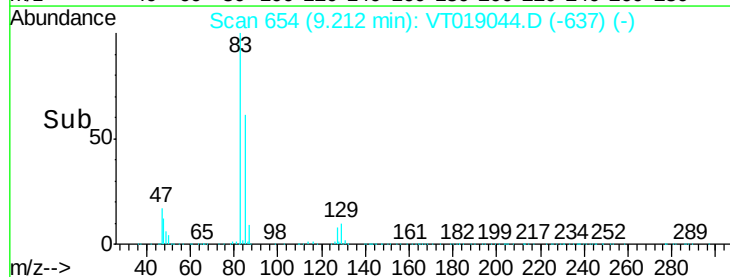
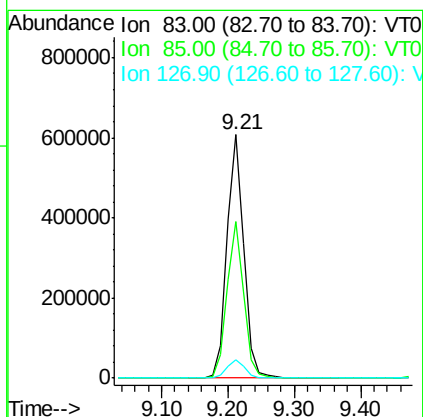
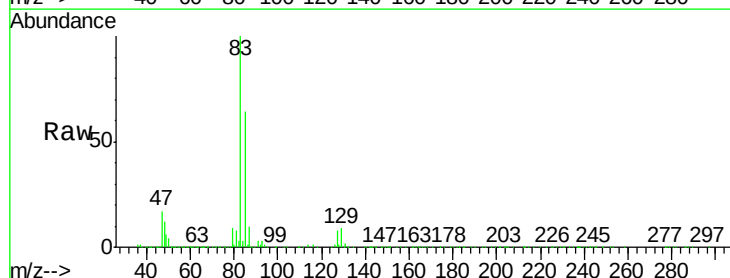
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

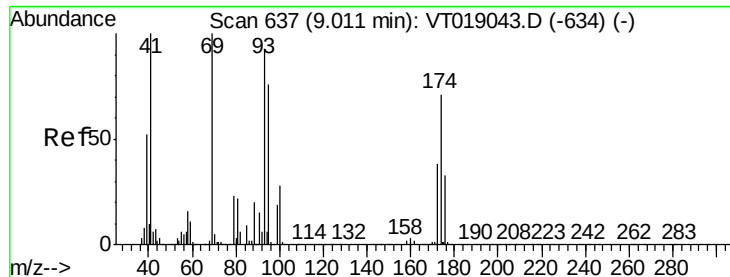
Tgt Ion: 93 Resp: 360708
Ion Ratio Lower Upper
93 100
95 86.7 65.5 98.3
174 84.1 60.9 91.3



#46
Bromodichloromethane
Concen: 77.69 ug/l
RT: 9.21 min Scan# 654
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Tgt Ion: 83 Resp: 1088348
Ion Ratio Lower Upper
83 100
85 64.1 51.3 76.9
127 7.7 6.1 9.1





#47

Methyl methacrylate

Concen: 56.39 ug/l

RT: 9.01 min Scan# 637

Delta R.T. -0.00 min

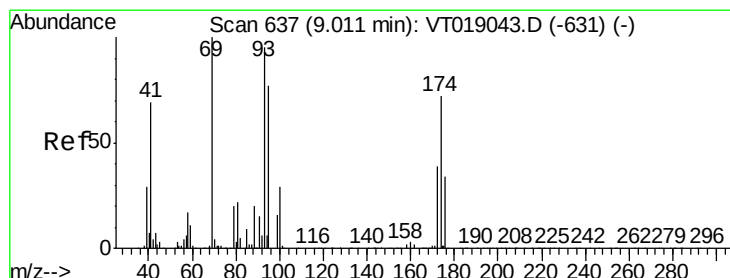
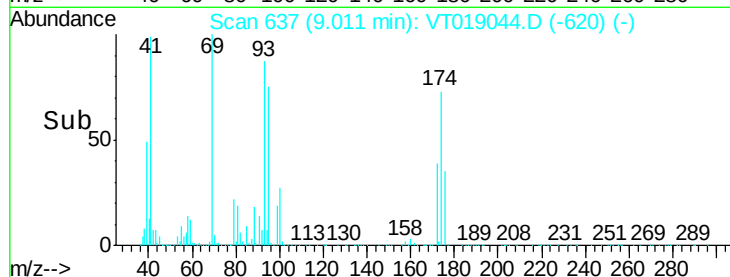
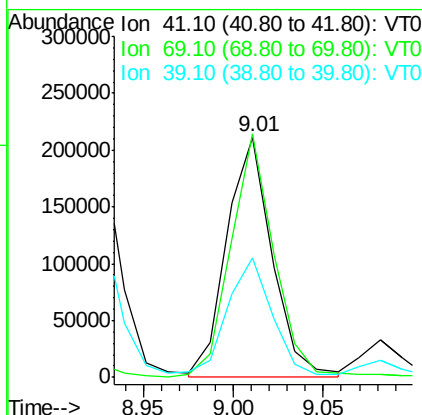
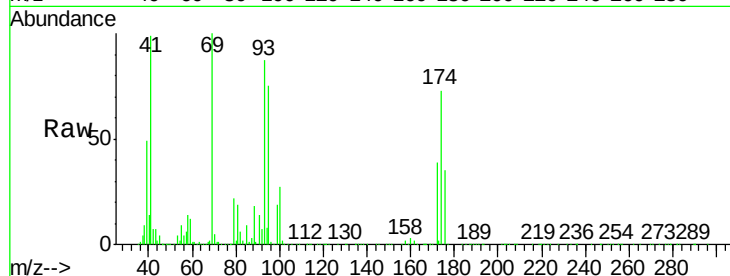
Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

Tgt Ion: 41 Resp: 371155

Ion	Ratio	Lower	Upper
41	100		
69	101.4	78.4	117.6
39	49.5	41.4	62.2



#48

1,4-Dioxane

Concen: 1109.30 ug/l

RT: 9.01 min Scan# 637

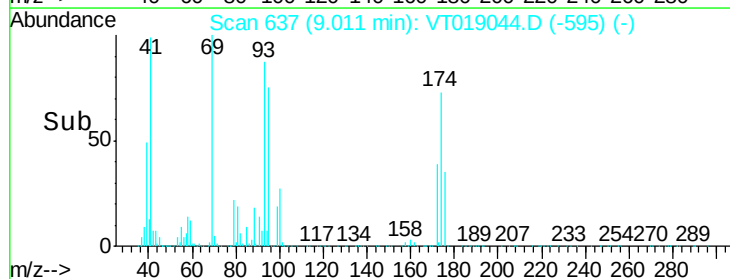
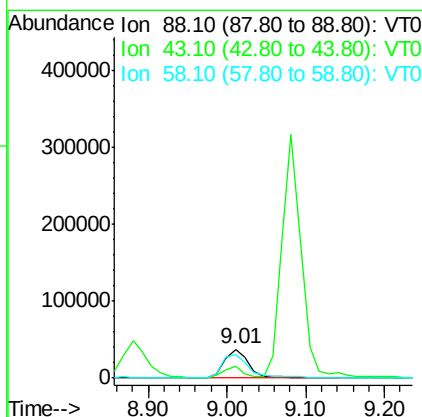
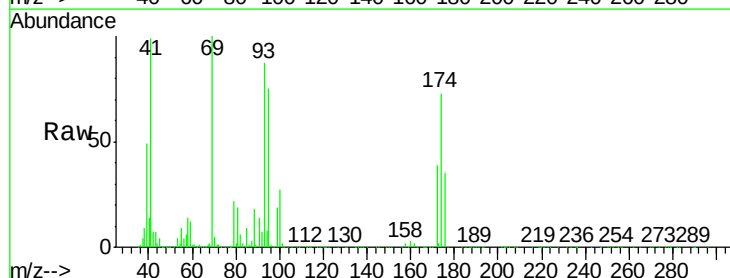
Delta R.T. -0.00 min

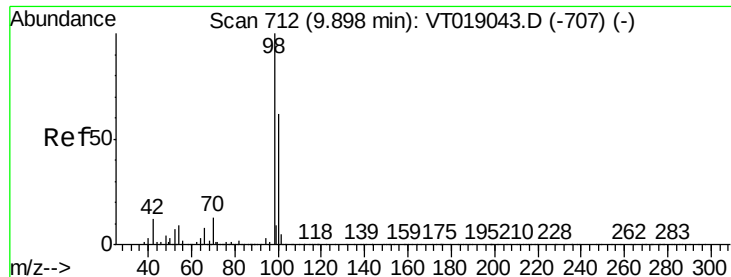
Lab File: VT019044.D

Acq: 8 May 2018 19:19

Tgt Ion: 88 Resp: 80471

Ion	Ratio	Lower	Upper
88	100		
43	39.3	30.5	45.7
58	78.6	67.5	101.3





#49

Toluene-d8

Concen: 76.06 ug/l

RT: 9.90 min Scan# 712

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

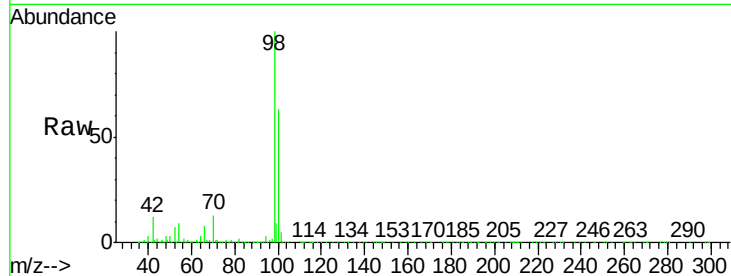
VSTDIC075

Tgt Ion: 98 Resp: 3509760

Ion Ratio Lower Upper

98 100

100 63.3 50.0 75.0



Abundance Ion 98.10 (97.80 to 98.80): VT0

Ion 100.10 (99.80 to 100.80): VT0

9.90

2000000

1500000

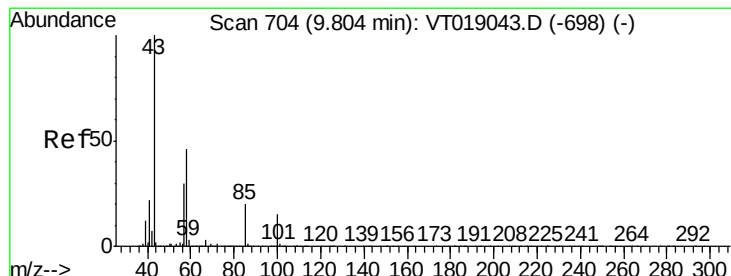
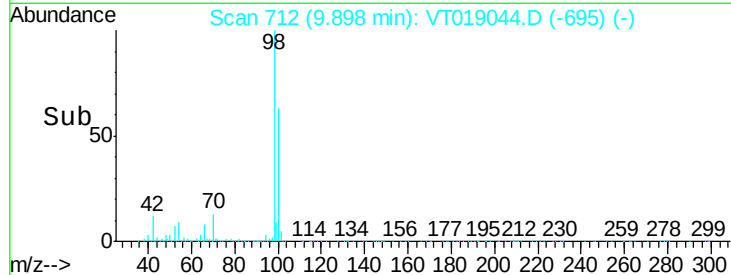
1000000

500000

0

9.80 9.90 10.00 10.10

Time-->



#50

4-Methyl-2-Pentanone

Concen: 269.31 ug/l

RT: 9.80 min Scan# 704

Delta R.T. -0.00 min

Lab File: VT019044.D

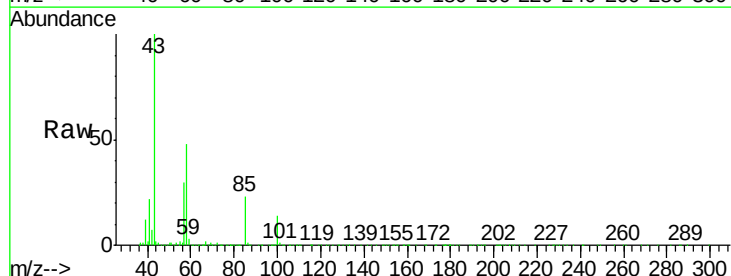
Acq: 8 May 2018 19:19

Tgt Ion: 43 Resp: 1854076

Ion Ratio Lower Upper

43 100

58 48.0 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 58.10 (57.80 to 58.80): VT0

1200000

1000000

800000

600000

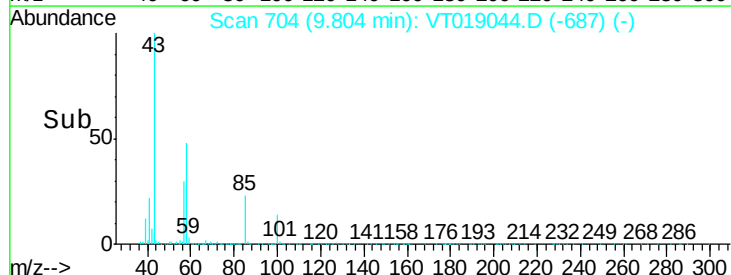
400000

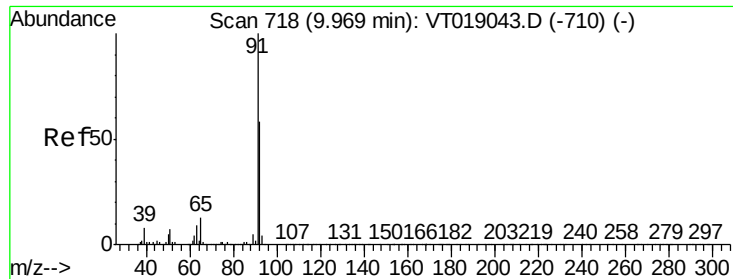
200000

0

9.70 9.80 9.90

Time-->





#51

Toluene

Concen: 73.65 ug/l

RT: 9.97 min Scan# 718

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

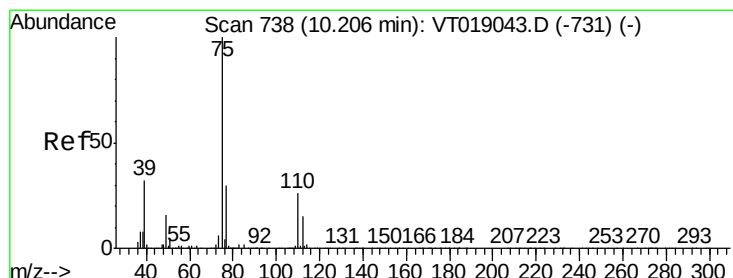
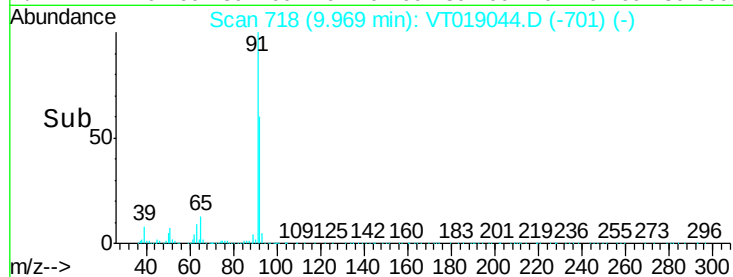
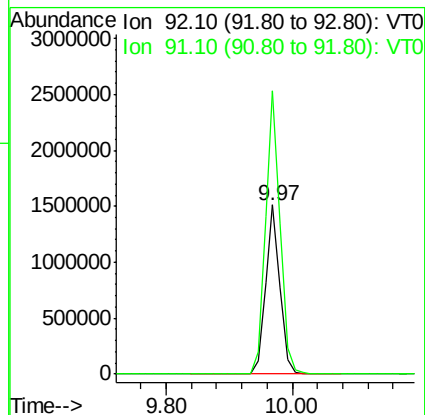
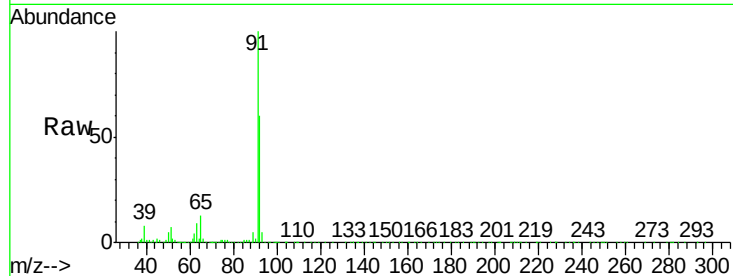
VSTDIC075

Tgt Ion: 92 Resp: 2417401

Ion Ratio Lower Upper

92 100

91 167.2 137.8 206.6



#52

t-1,3-Dichloropropene

Concen: 77.44 ug/l

RT: 10.19 min Scan# 737

Delta R.T. -0.01 min

Lab File: VT019044.D

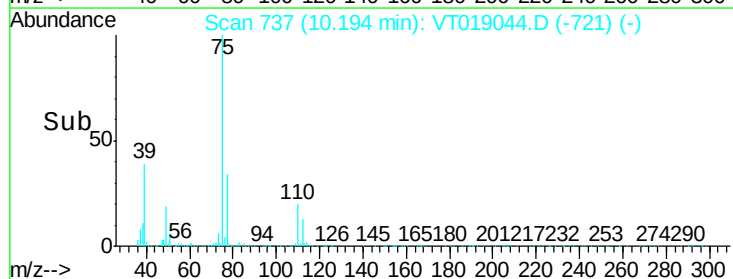
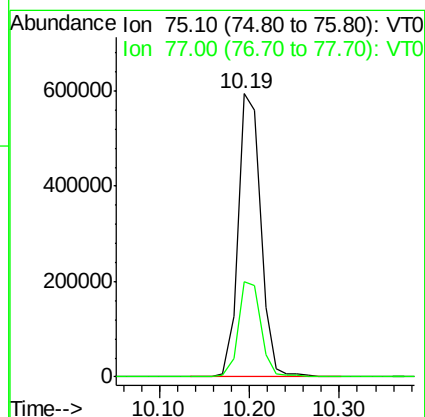
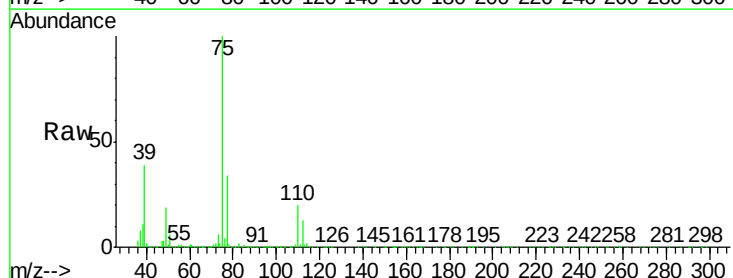
Acq: 8 May 2018 19:19

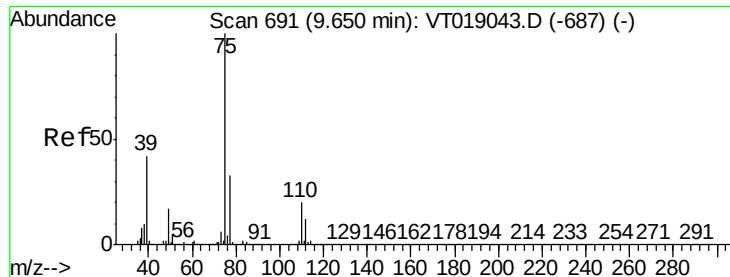
Tgt Ion: 75 Resp: 1045237

Ion Ratio Lower Upper

75 100

77 33.7 24.6 36.8





#53

cis-1,3-Dichloropropene

Concen: 77.91 ug/l

RT: 9.65 min Scan# 691

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC075

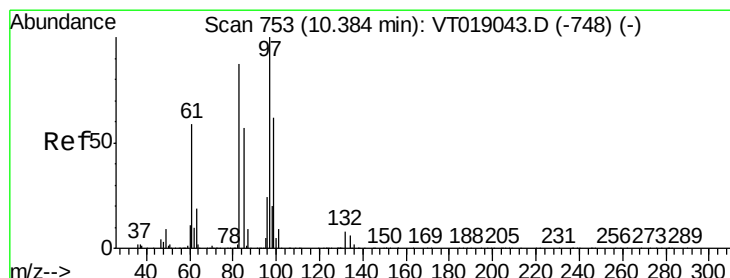
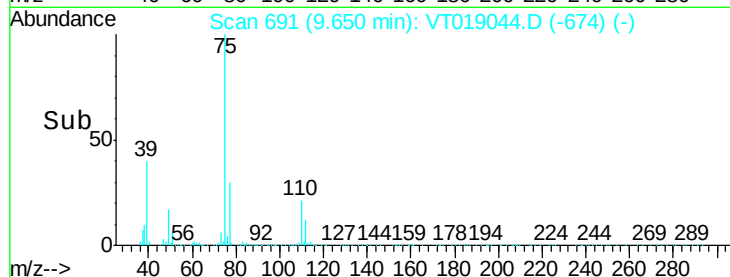
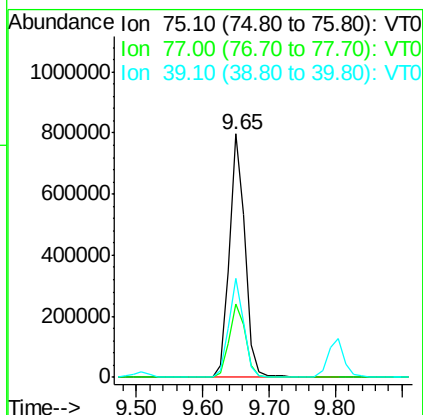
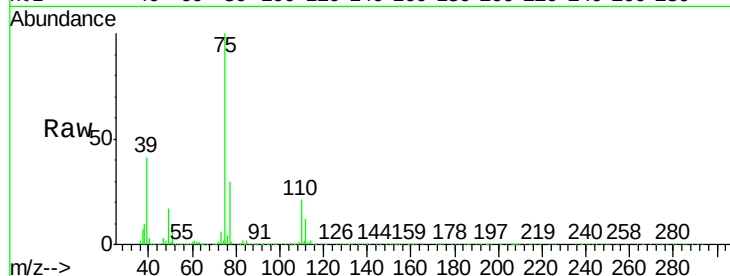
Tgt Ion: 75 Resp: 1327379

Ion Ratio Lower Upper

75 100

77 30.1 26.6 39.8

39 40.6 34.1 51.1



#54

1,1,2-Trichloroethane

Concen: 67.39 ug/l

RT: 10.38 min Scan# 753

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Tgt Ion: 97 Resp: 541738

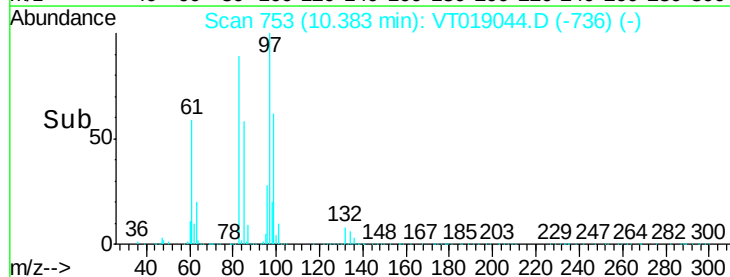
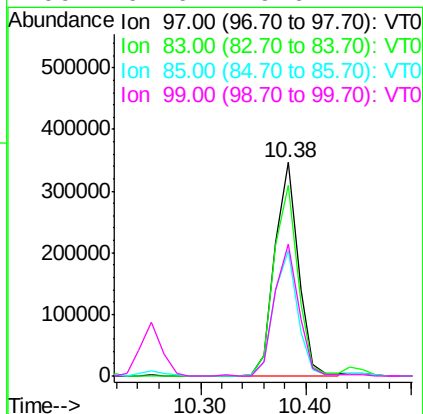
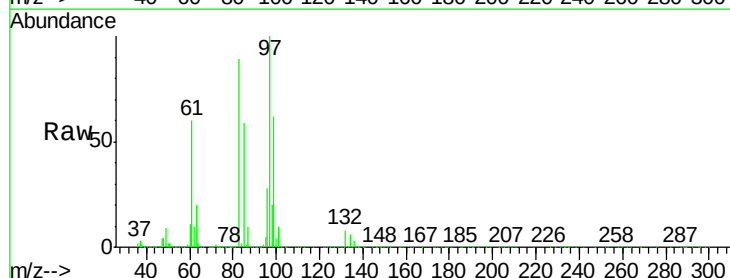
Ion Ratio Lower Upper

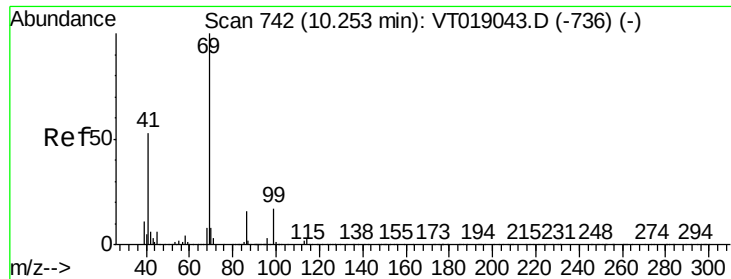
97 100

83 89.1 69.7 104.5

85 58.6 46.1 69.1

99 61.6 49.6 74.4





#55

Ethyl methacrylate

Concen: 74.62 ug/l

RT: 10.25 min Scan# 742

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC075

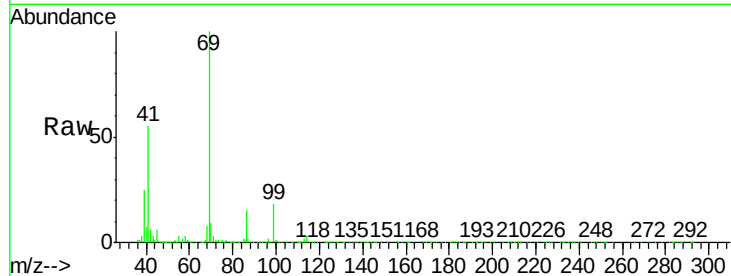
Tgt Ion: 69 Resp: 731681

Ion Ratio Lower Upper

69 100

41 54.7 42.9 64.3

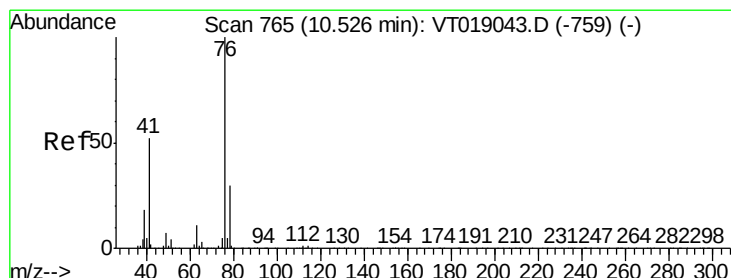
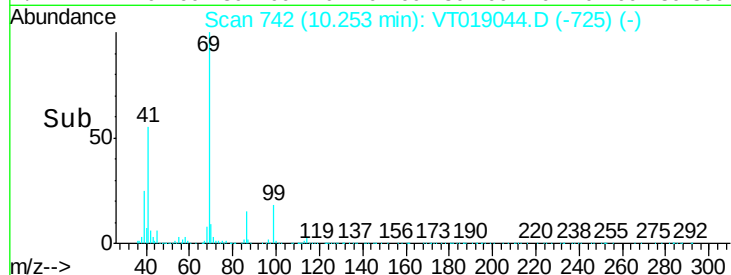
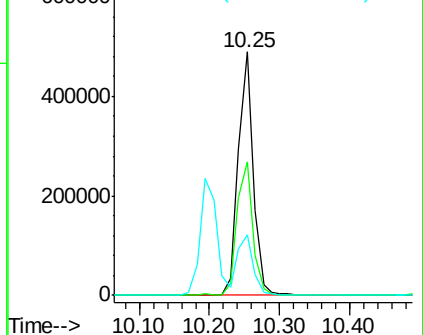
39 25.1 21.2 31.8



Abundance Ion 69.10 (68.80 to 69.80): VT0

Ion 41.10 (40.80 to 41.80): VT0

Ion 39.10 (38.80 to 39.80): VT0



#56

1,3-Dichloropropane

Concen: 73.22 ug/l

RT: 10.53 min Scan# 765

Delta R.T. -0.00 min

Lab File: VT019044.D

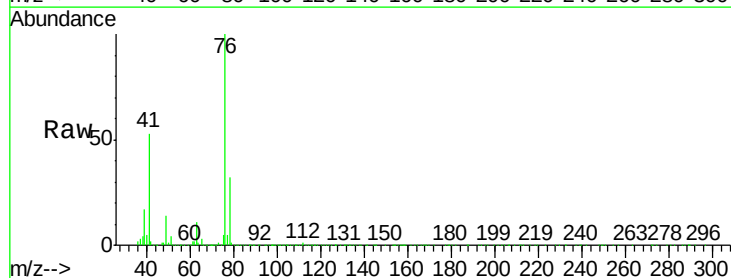
Acq: 8 May 2018 19:19

Tgt Ion: 76 Resp: 1021703

Ion Ratio Lower Upper

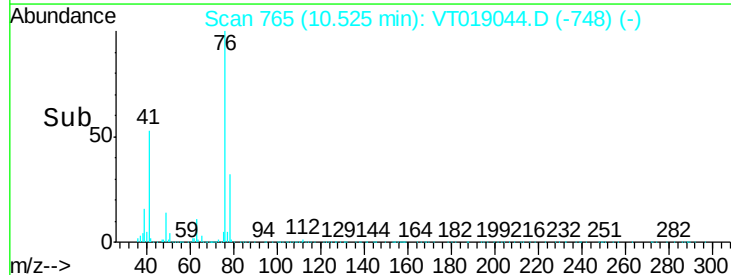
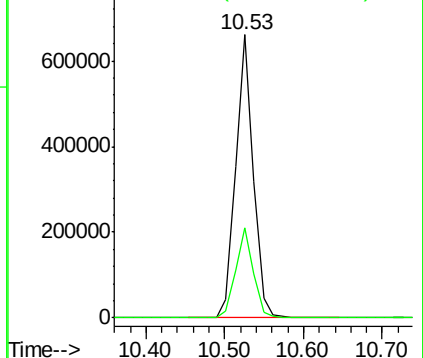
76 100

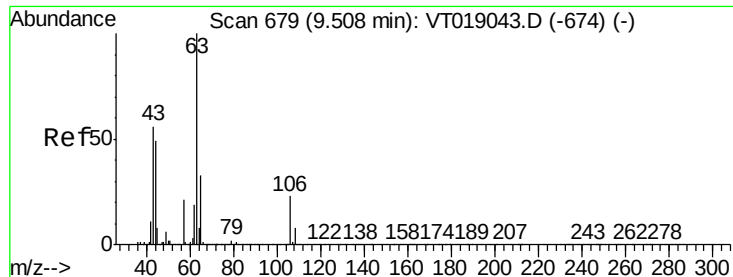
78 32.0 24.1 36.1



Abundance Ion 76.10 (75.80 to 76.80): VT0

Ion 78.10 (77.80 to 78.80): VT0





#57

2-Chloroethyl Vinyl ether

Concen: 392.12 ug/l

RT: 9.51 min Scan# 679

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

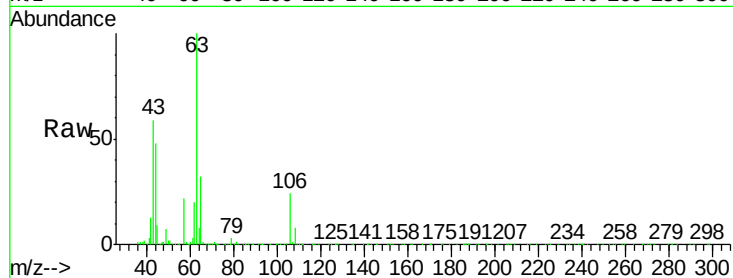
VSTDIC075

Tgt Ion: 63 Resp: 1601642

Ion Ratio Lower Upper

63 100

106 23.7 18.7 28.1



Abundance Ion 63.10 (62.80 to 63.80): VT0

Ion 106.10 (105.80 to 106.80): VT0

9.51

1000000

800000

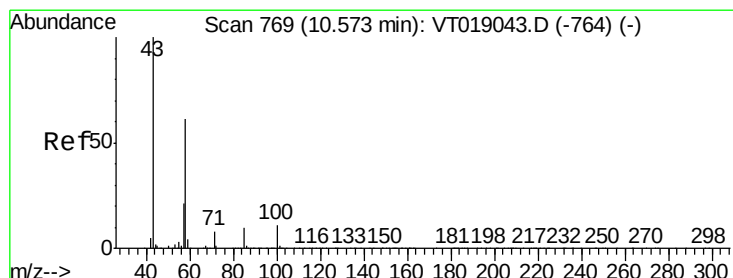
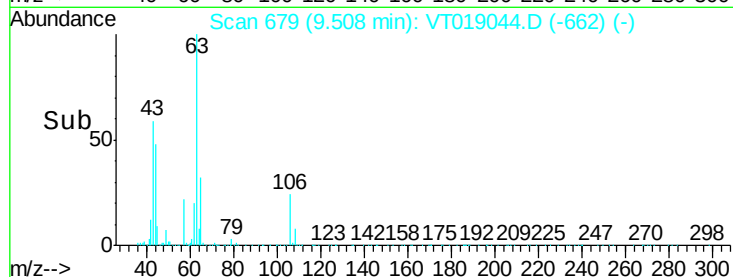
600000

400000

200000

0

Time-->



#58

2-Hexanone

Concen: 266.18 ug/l

RT: 10.57 min Scan# 769

Delta R.T. -0.00 min

Lab File: VT019044.D

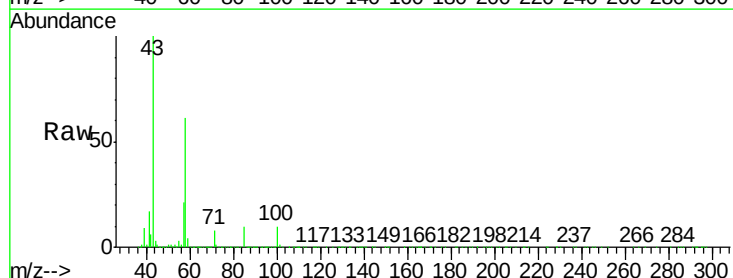
Acq: 8 May 2018 19:19

Tgt Ion: 43 Resp: 1383888

Ion Ratio Lower Upper

43 100

58 61.4 30.6 92.0



Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 58.10 (57.80 to 58.80): VT0

10.57

1000000

800000

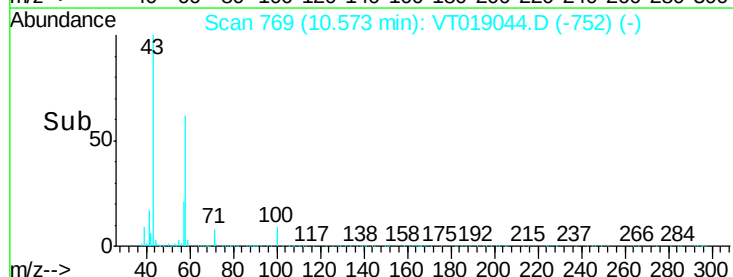
600000

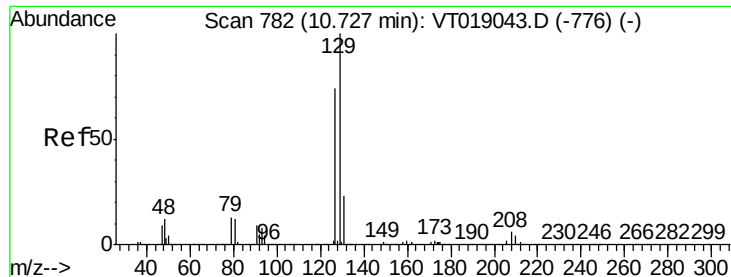
400000

200000

0

Time-->





#59

Dibromochloromethane

Concen: 65.10 ug/l

RT: 10.73 min Scan# 782

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

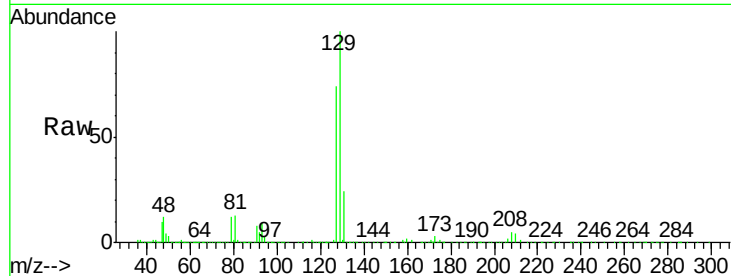
VSTDIC075

Tgt Ion:129 Resp: 603752

Ion Ratio Lower Upper

129 100

127 74.0 37.3 111.8



Abundance Ion 128.90 (128.60 to 129.60): V

Ion 126.90 (126.60 to 127.60): V

10.73

400000

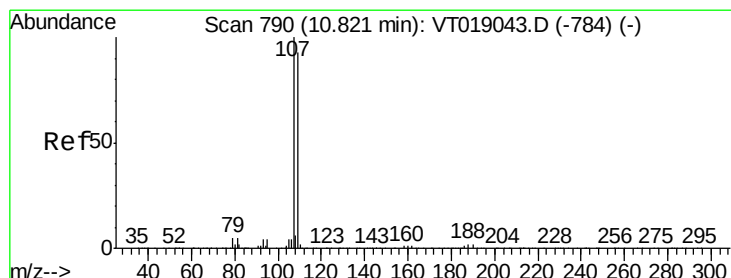
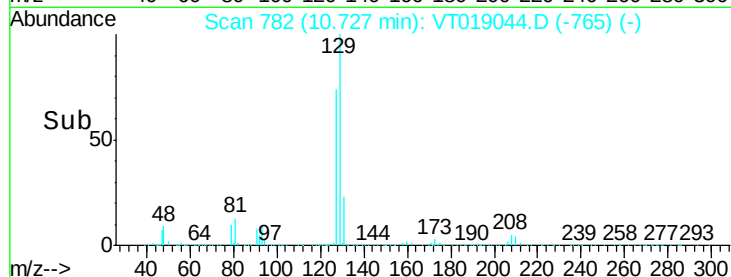
300000

200000

100000

0

Time-->



#60

1,2-Dibromoethane

Concen: 67.37 ug/l

RT: 10.82 min Scan# 790

Delta R.T. -0.00 min

Lab File: VT019044.D

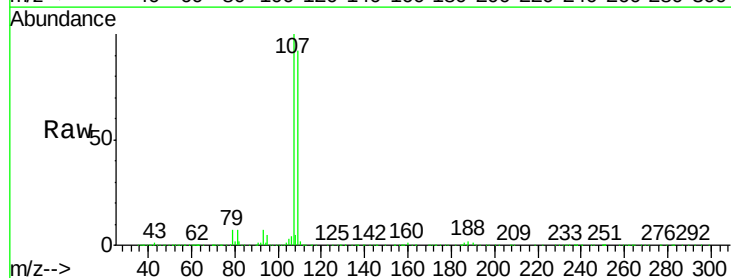
Acq: 8 May 2018 19:19

Tgt Ion:107 Resp: 499422

Ion Ratio Lower Upper

107 100

109 92.0 74.3 111.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.82

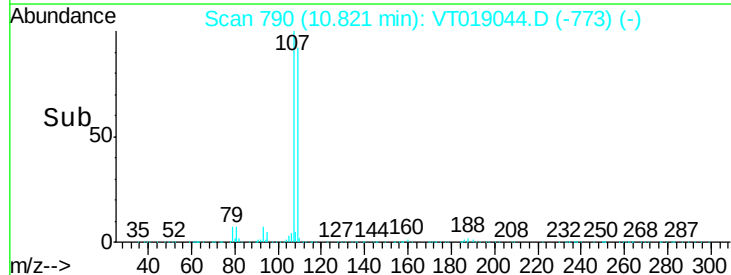
300000

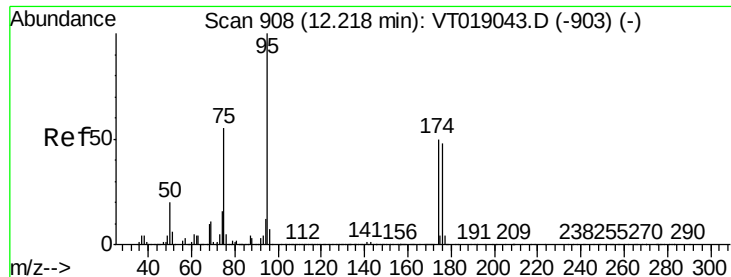
200000

100000

0

Time-->

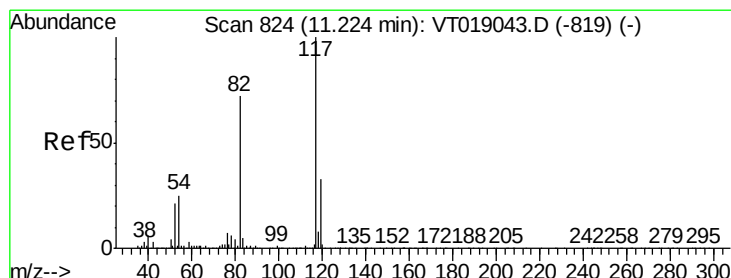
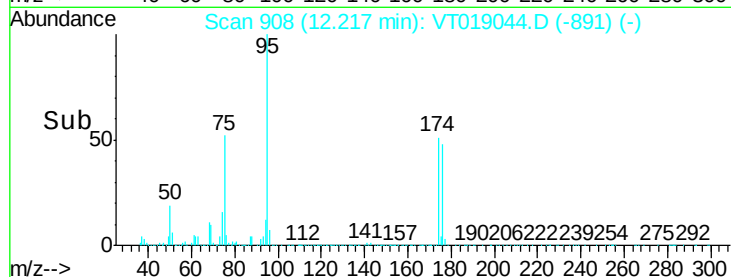
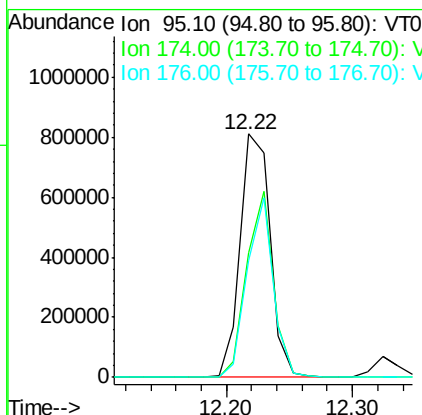
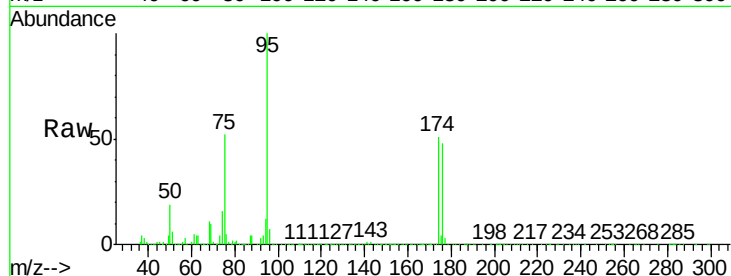




#61
4-Bromofluorobenzene
Concen: 83.87 ug/l
RT: 12.22 min Scan# 908
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

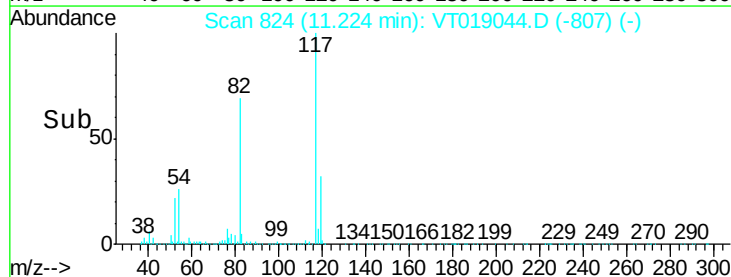
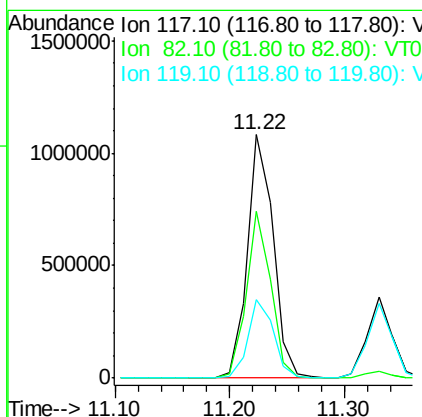
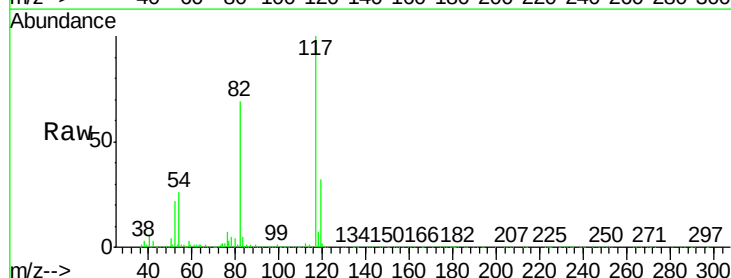
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

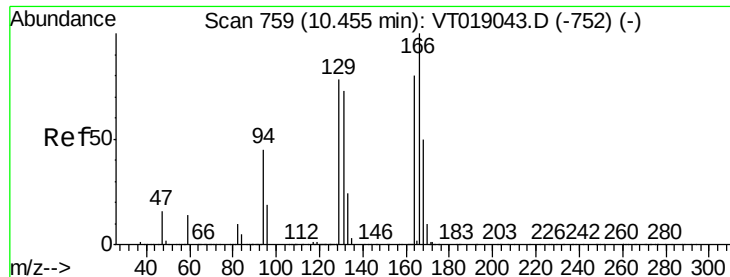
Tgt Ion: 95 Resp: 1339677
Ion Ratio Lower Upper
95 100
174 51.1 0.0 100.0
176 47.8 0.0 96.6



#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.22 min Scan# 824
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Tgt Ion: 117 Resp: 1712823
Ion Ratio Lower Upper
117 100
82 68.6 57.6 86.4
119 32.4 26.6 40.0

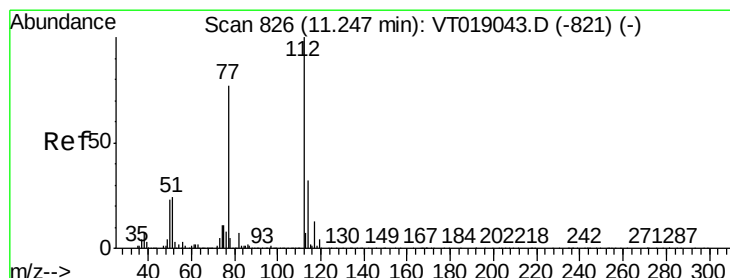
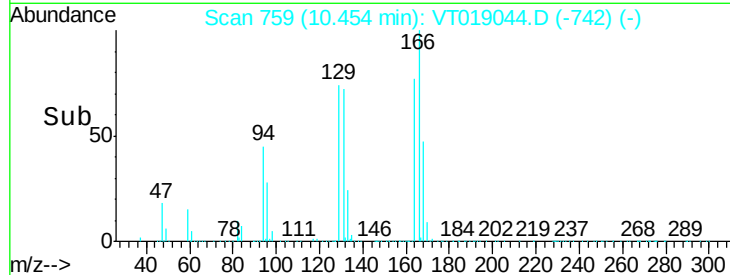
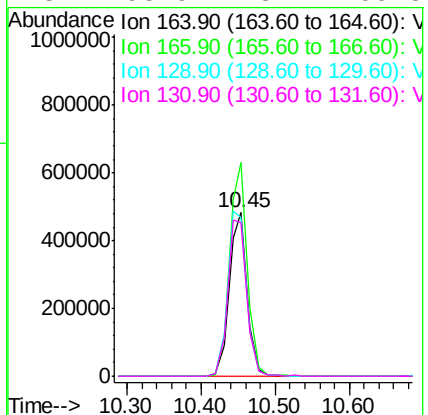
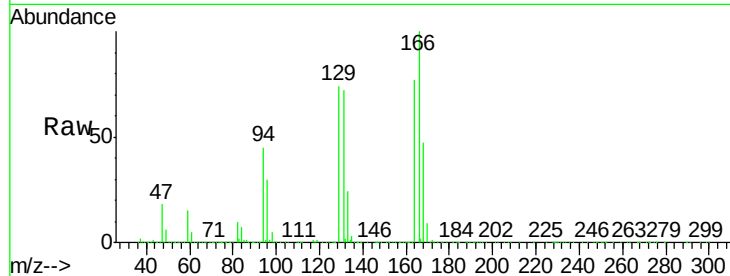




#63
Tetrachloroethene
Concen: 66.11 ug/l
RT: 10.45 min Scan# 759
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

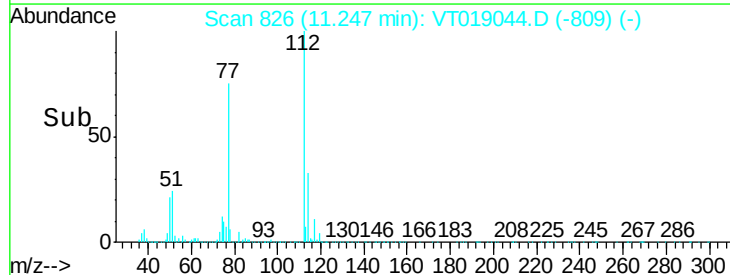
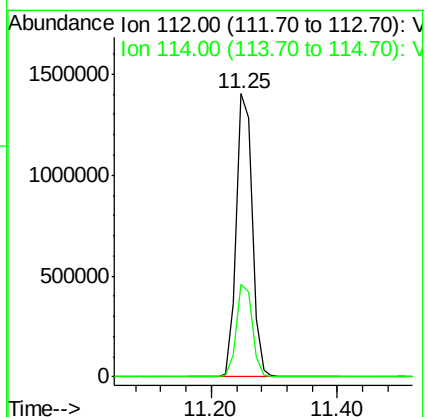
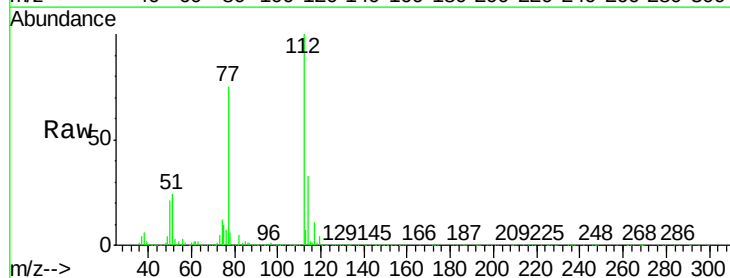
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

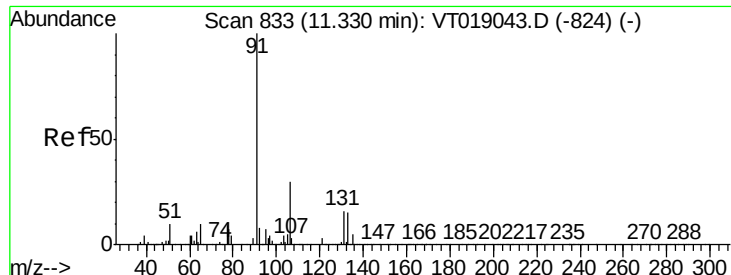
Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	100.6	151.0
129	97.1	78.1	117.1
131	93.9	73.2	109.8



#64
Chlorobenzene
Concen: 65.71 ug/l
RT: 11.25 min Scan# 826
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.5	38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 69.95 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC075

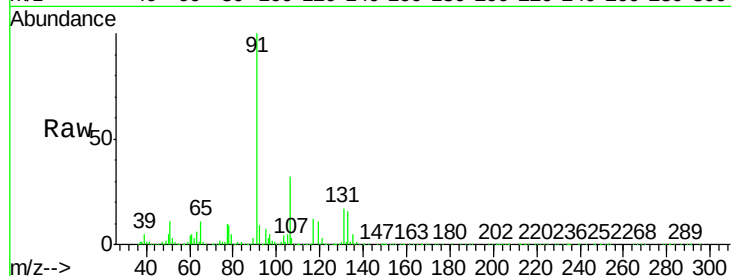
Tgt Ion:131 Resp: 811343

Ion Ratio Lower Upper

131 100

133 94.1 47.8 143.3

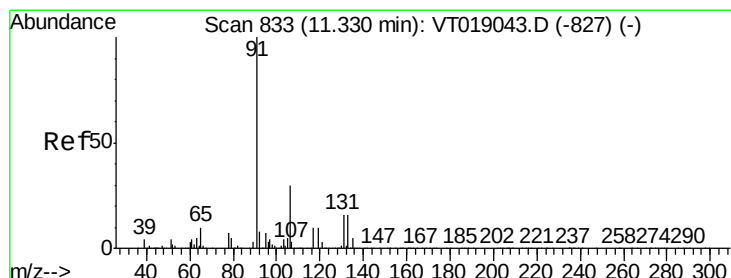
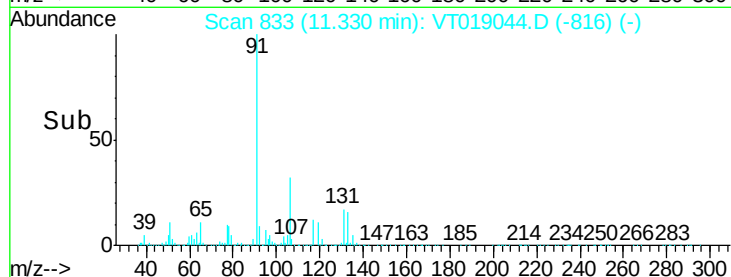
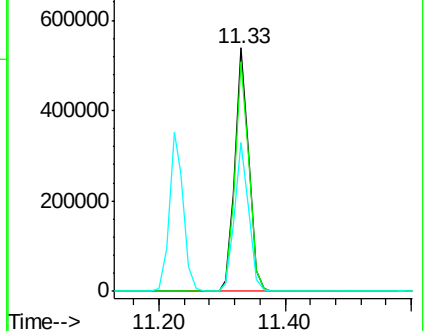
119 61.2 31.8 95.4



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: 74.83 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019044.D

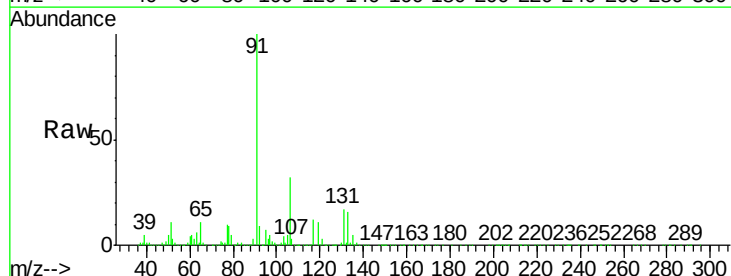
Acq: 8 May 2018 19:19

Tgt Ion: 91 Resp: 4816757

Ion Ratio Lower Upper

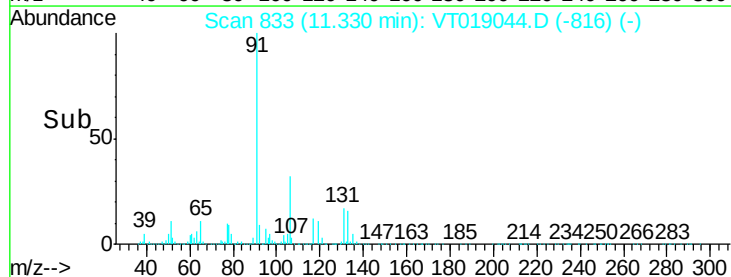
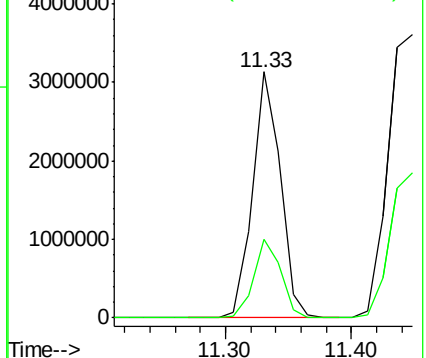
91 100

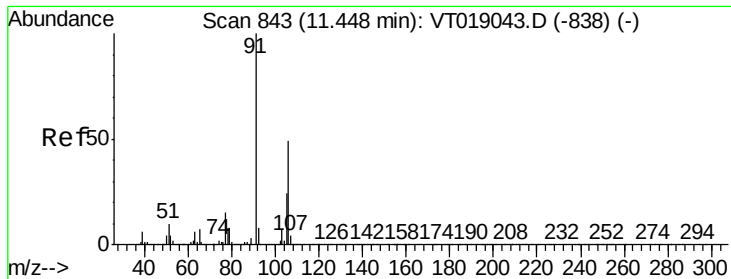
106 32.1 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 106.10 (105.80 to 106.80): V

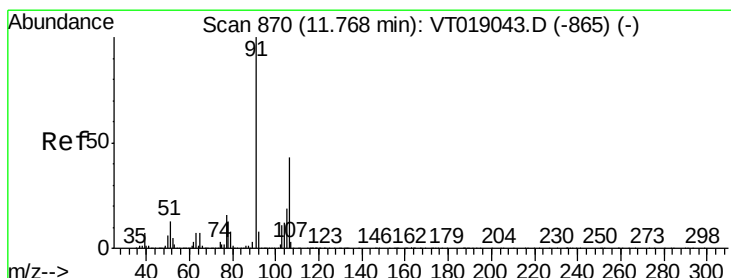
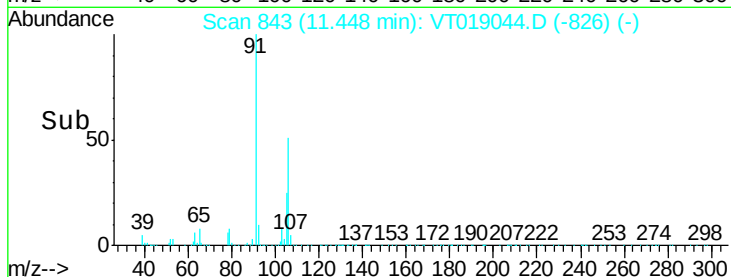
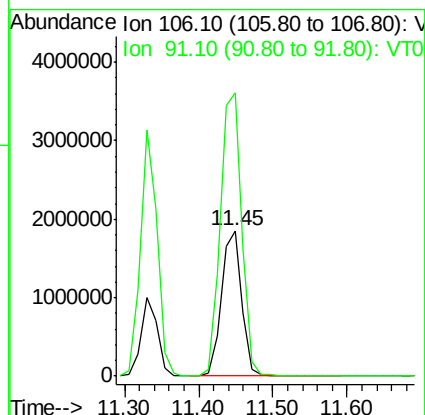
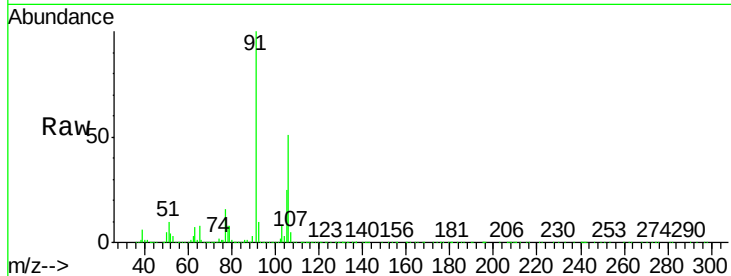




#67
m/p-Xylenes
Concen: 138.12 ug/l
RT: 11.45 min Scan# 843
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

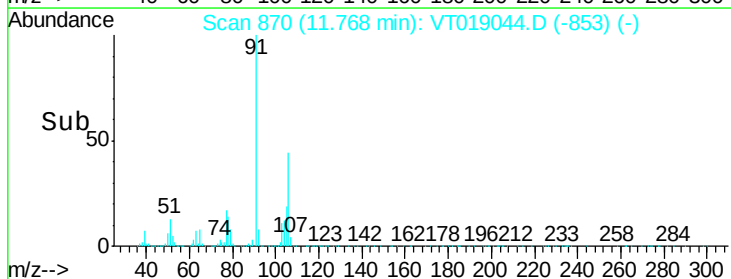
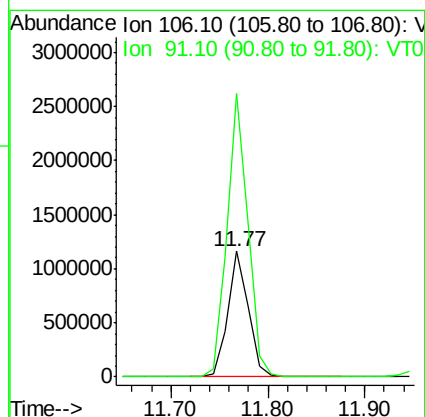
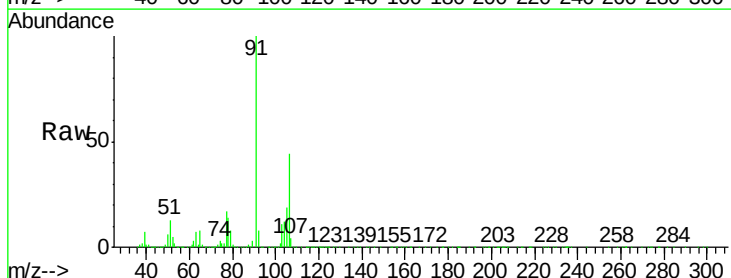
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

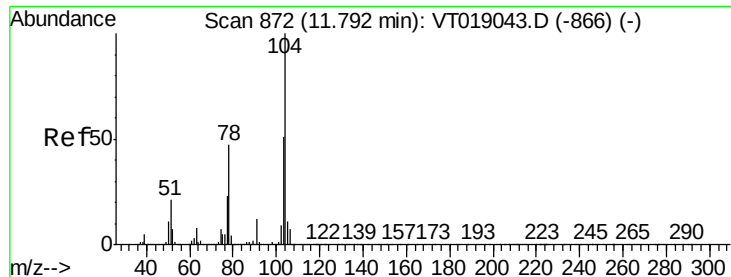
Tgt Ion:106 Resp: 3551422
Ion Ratio Lower Upper
106 100
91 194.3 162.2 243.4



#68
o-Xylene
Concen: 72.33 ug/l
RT: 11.77 min Scan# 870
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Tgt Ion:106 Resp: 1694654
Ion Ratio Lower Upper
106 100
91 225.4 116.0 348.0

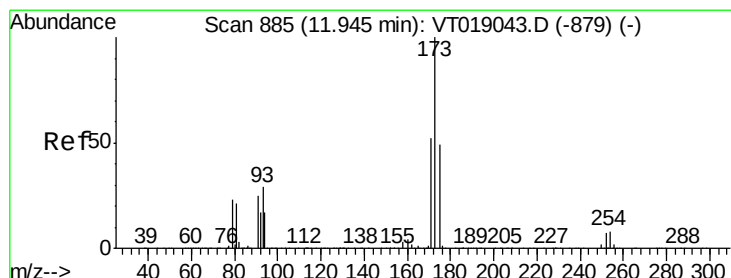
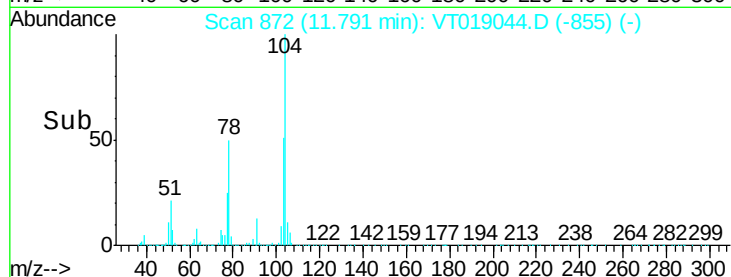
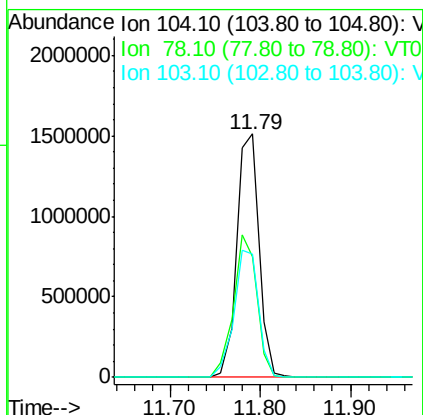
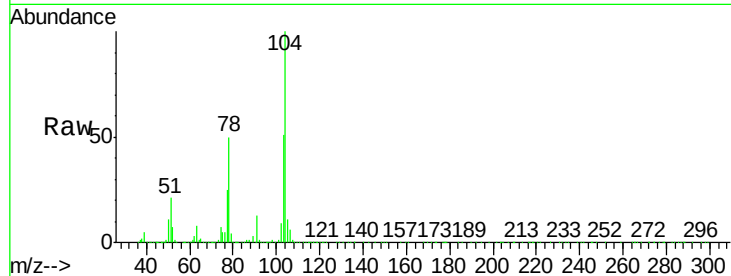




#69
Styrene
Concen: 66.83 ug/l
RT: 11.79 min Scan# 872
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

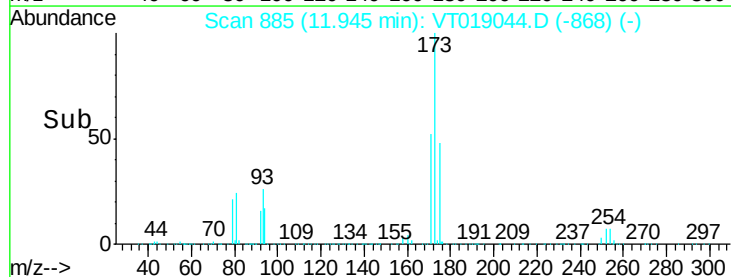
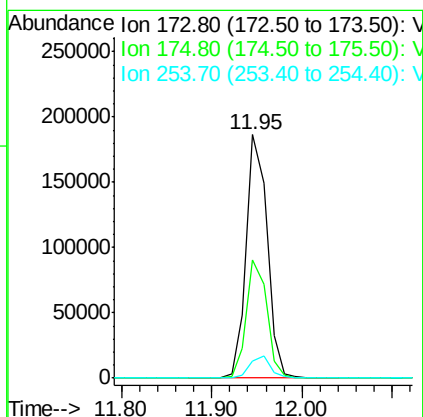
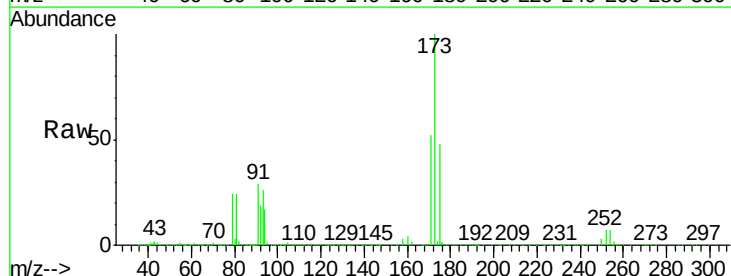
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

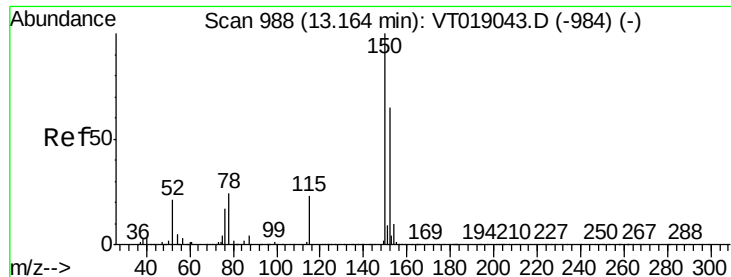
Tgt Ion:104 Resp: 2606880
Ion Ratio Lower Upper
104 100
78 49.8 38.0 57.0
103 50.9 40.6 61.0



#70
Bromoform
Concen: 51.20 ug/l
RT: 11.95 min Scan# 885
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Tgt Ion:173 Resp: 302062
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.8
254 7.0 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: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC075

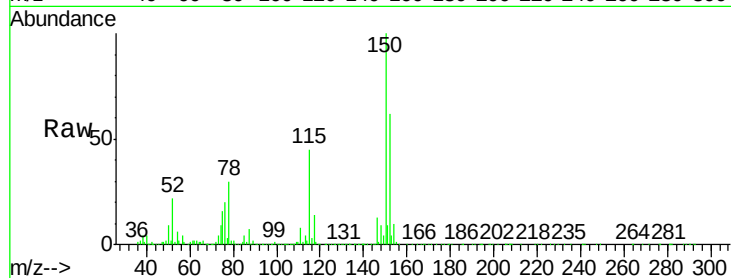
Tgt Ion:152 Resp: 818733

Ion Ratio Lower Upper

152 100

115 73.1 34.2 102.6

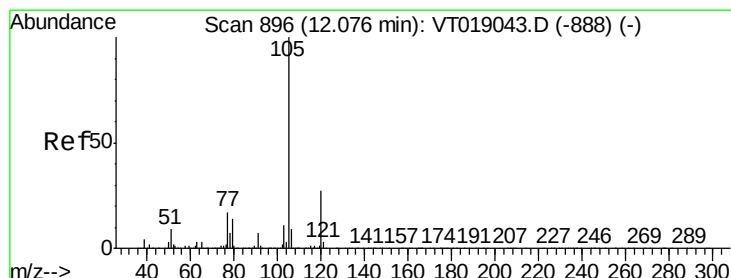
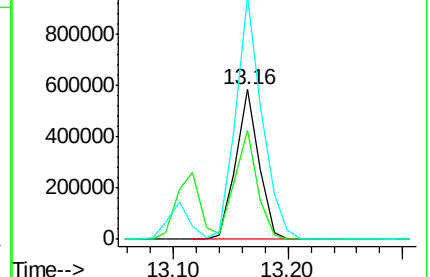
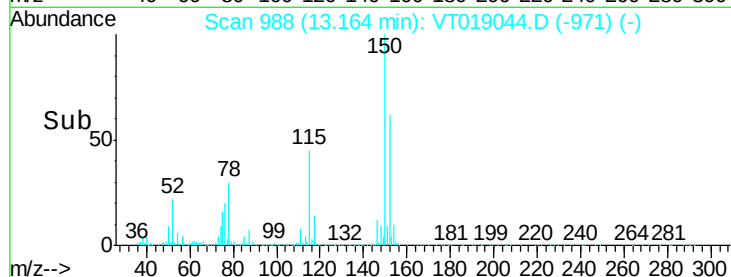
150 162.3 0.0 321.2



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: 79.20 ug/l

RT: 12.08 min Scan# 896

Delta R.T. -0.00 min

Lab File: VT019044.D

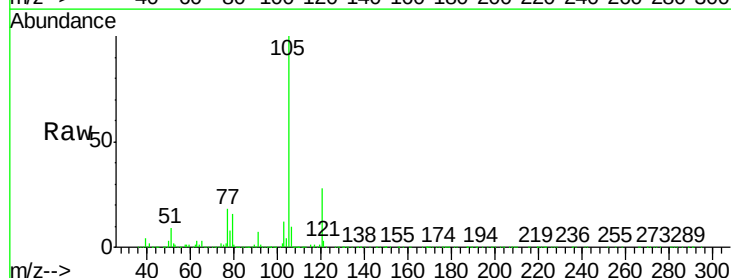
Acq: 8 May 2018 19:19

Tgt Ion:105 Resp: 4787813

Ion Ratio Lower Upper

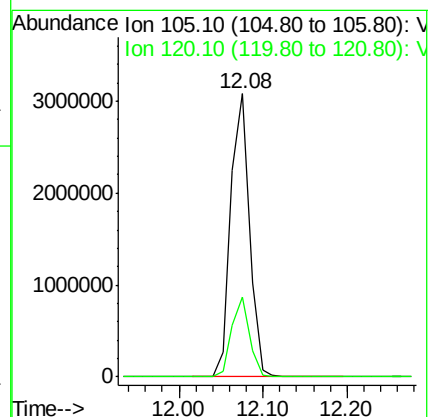
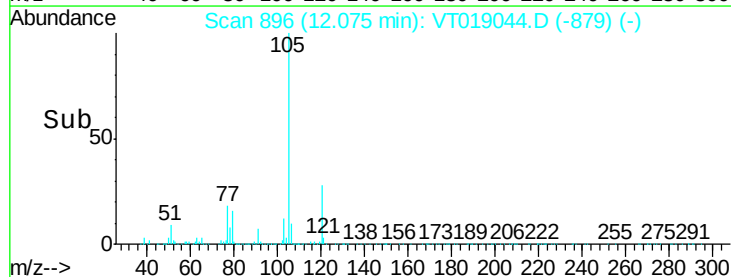
105 100

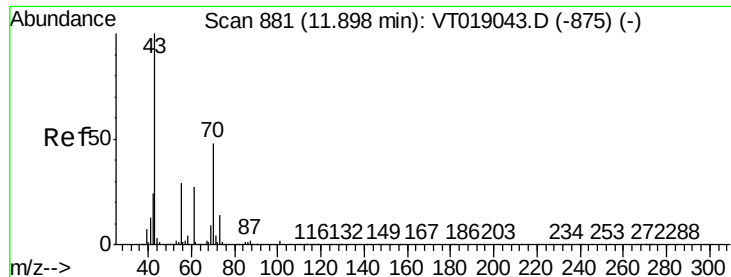
120 28.1 13.6 40.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V





#73

N-amyI acetate

Concen: 66.78 ug/l

RT: 11.90 min Scan# 881

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC075

Tgt Ion: 43 Resp: 771852

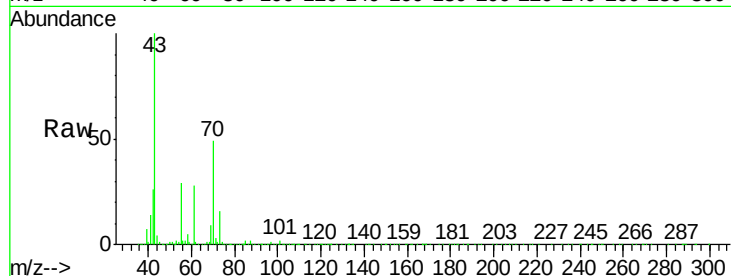
Ion Ratio Lower Upper

43 100

70 49.2 38.2 57.4

55 29.0 23.5 35.3

61 28.3 21.7 32.5

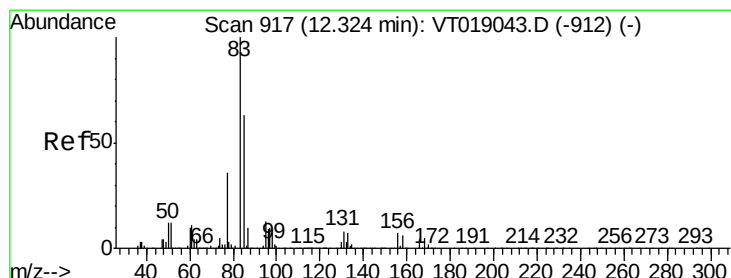
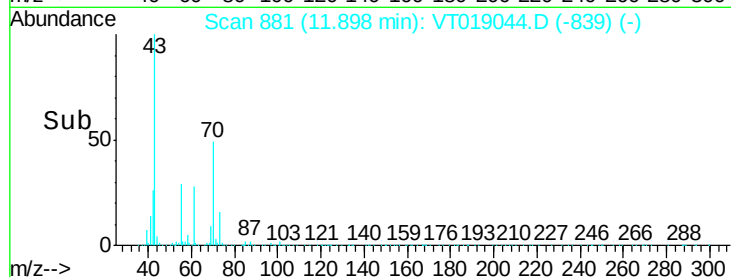
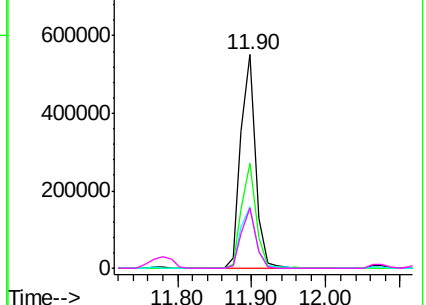


Abundance Ion 43.10 (42.80 to 43.80): VT0

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: 71.28 ug/l

RT: 12.32 min Scan# 917

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

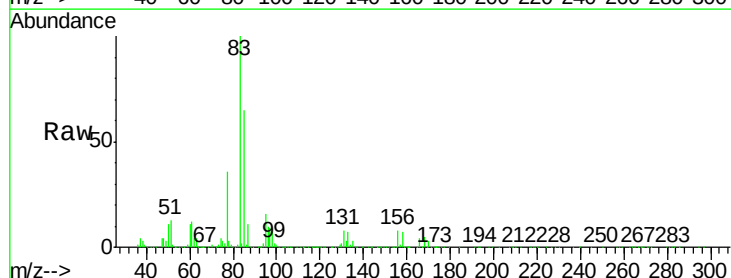
Tgt Ion: 83 Resp: 656956

Ion Ratio Lower Upper

83 100

131 8.2 4.0 12.2

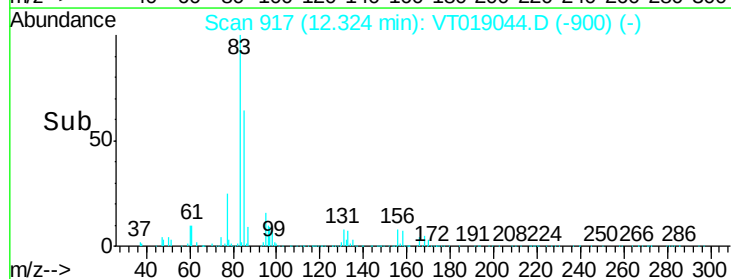
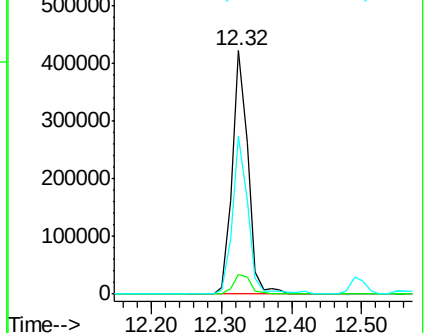
85 64.7 31.4 94.3

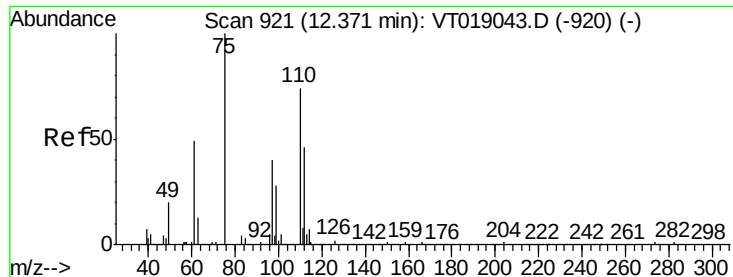


Abundance Ion 83.00 (82.70 to 83.70): VT0

Ion 131.00 (130.70 to 131.70): VT0

Ion 85.00 (84.70 to 85.70): VT0





#75

1,2,3-Trichloropropane

Concen: 136.86 ug/l

RT: 12.37 min Scan# 921

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

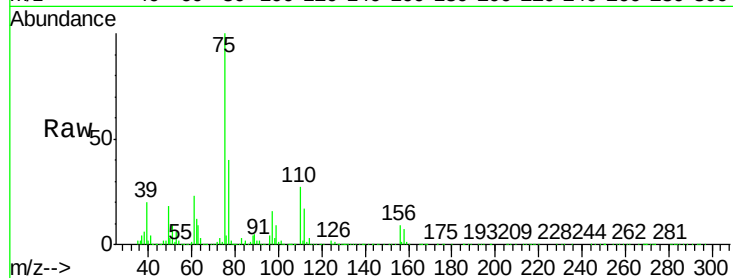
VSTDIC075

Tgt Ion: 75 Resp: 885162

Ion Ratio Lower Upper

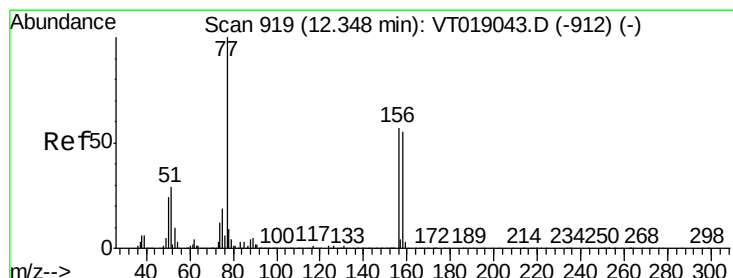
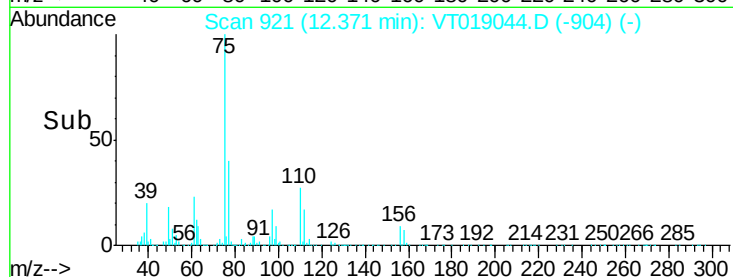
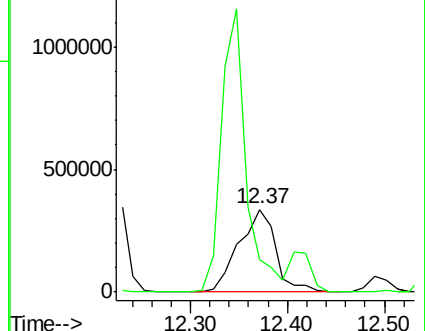
75 100

77 39.8 21.1 63.1



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 77.10 (76.80 to 77.80): VT0



#76

Bromobenzene

Concen: 67.15 ug/l

RT: 12.35 min Scan# 919

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

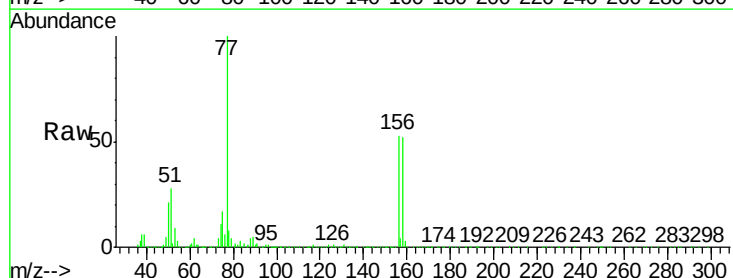
Tgt Ion: 156 Resp: 901588

Ion Ratio Lower Upper

156 100

77 187.1 87.8 263.4

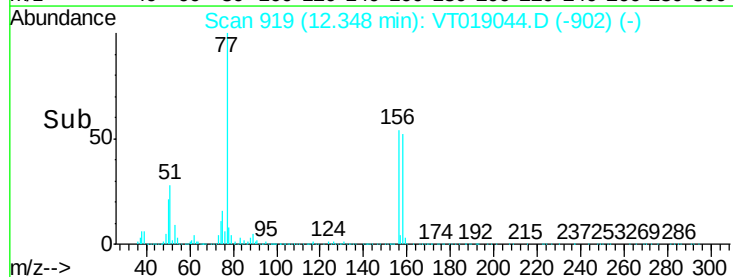
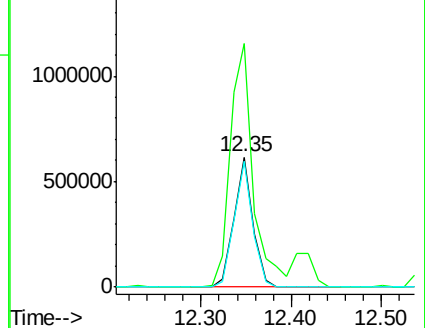
158 97.1 48.3 144.8

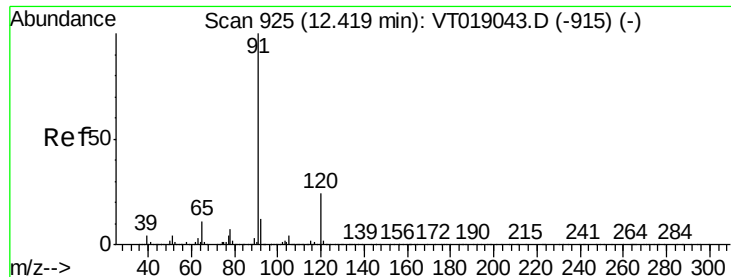


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.10 (76.80 to 77.80): VT0

Ion 158.00 (157.70 to 158.70): V

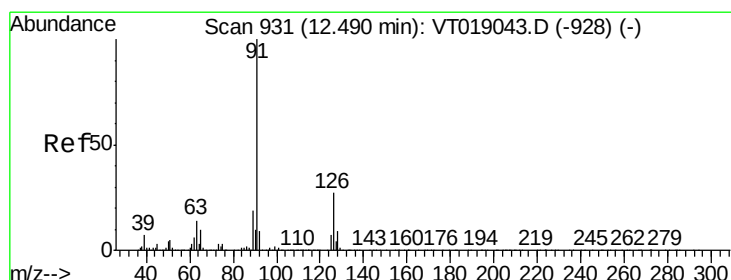
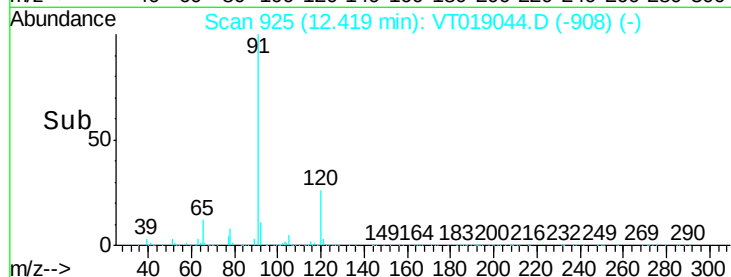
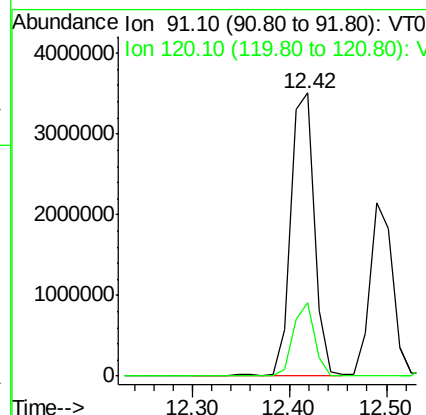
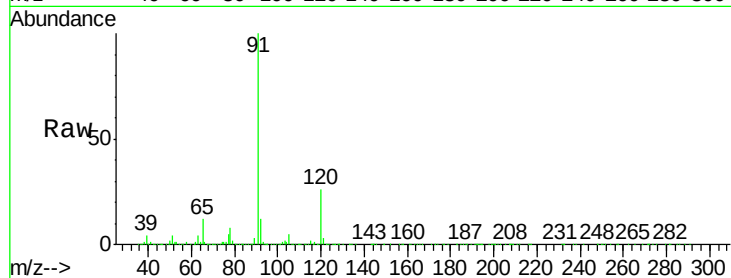




#77
n-propylbenzene
Concen: 81.39 ug/l
RT: 12.42 min Scan# 925
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

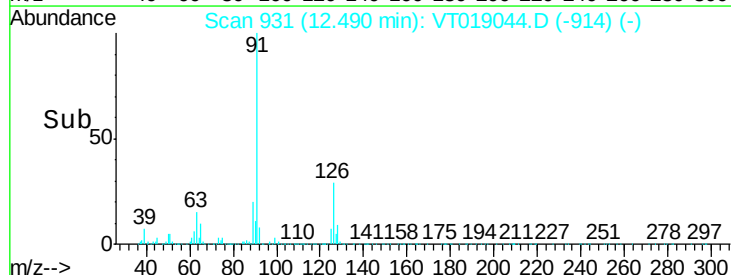
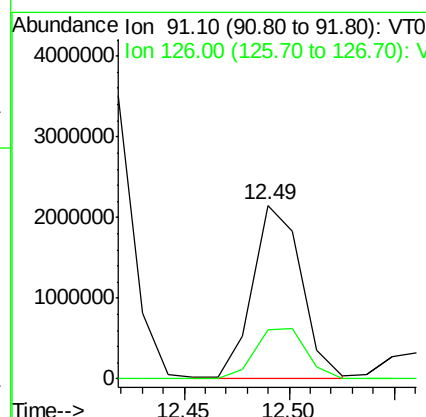
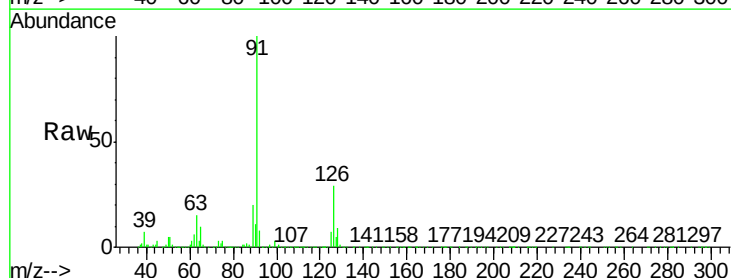
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

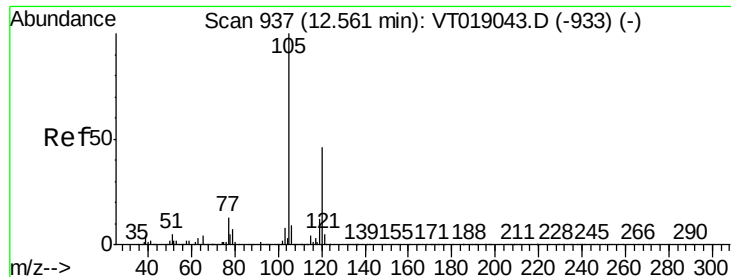
Tgt Ion: 91 Resp: 5936913
Ion Ratio Lower Upper
91 100
120 25.9 12.0 36.1



#78
2-Chlorotoluene
Concen: 84.95 ug/l
RT: 12.49 min Scan# 931
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Tgt Ion: 91 Resp: 3479557
Ion Ratio Lower Upper
91 100
126 28.7 13.5 40.5

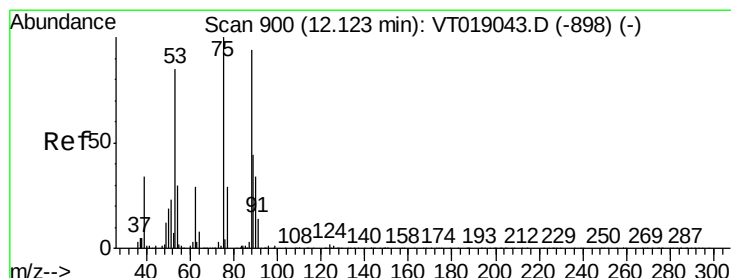
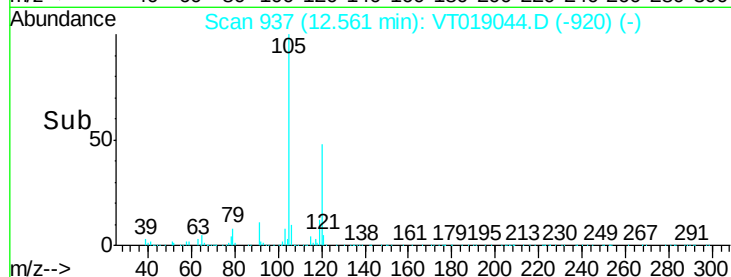
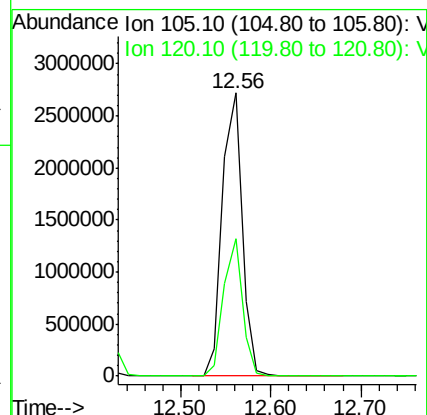
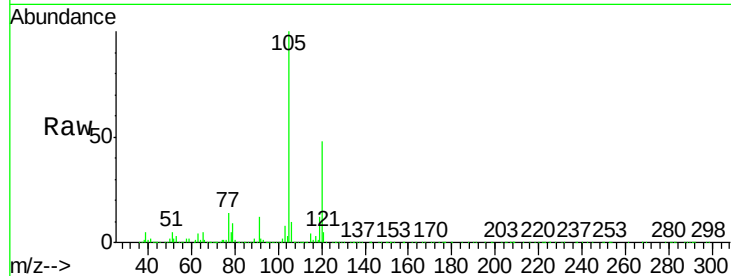




#79
 1,3,5-Trimethylbenzene
 Concen: 80.46 ug/l
 RT: 12.56 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VT019044.D
 Acq: 8 May 2018 19:19

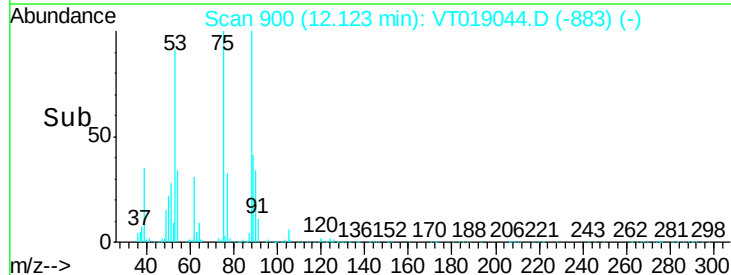
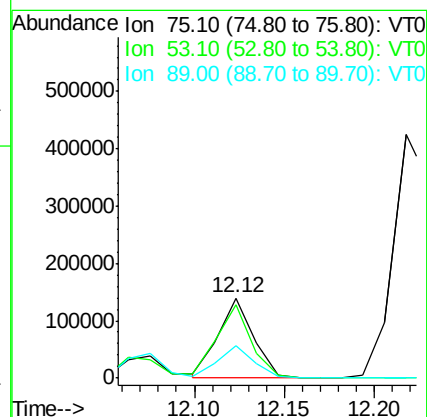
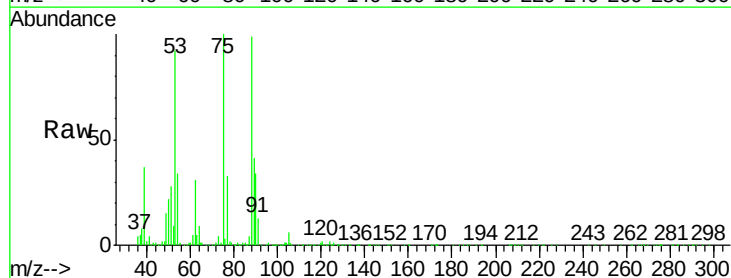
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC075

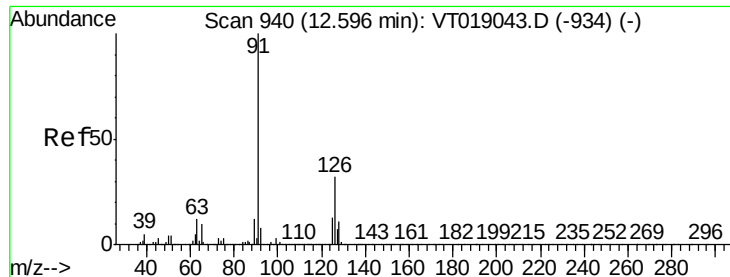
Tgt Ion:105 Resp: 4184956
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.2 69.5



#80
 trans-1,4-Dichloro-2-butene
 Concen: 67.26 ug/l
 RT: 12.12 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VT019044.D
 Acq: 8 May 2018 19:19

Tgt Ion: 75 Resp: 189809
 Ion Ratio Lower Upper
 75 100
 53 91.8 70.8 106.2
 89 41.2 35.8 53.8





#81

4-Chlorotoluene

Concen: 84.77 ug/l

RT: 12.60 min Scan# 940

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

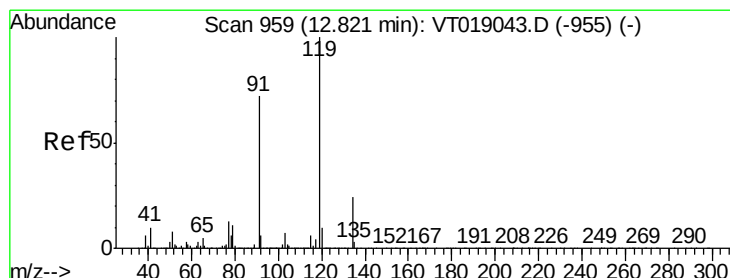
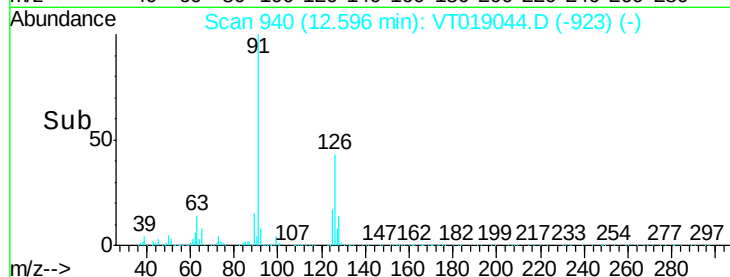
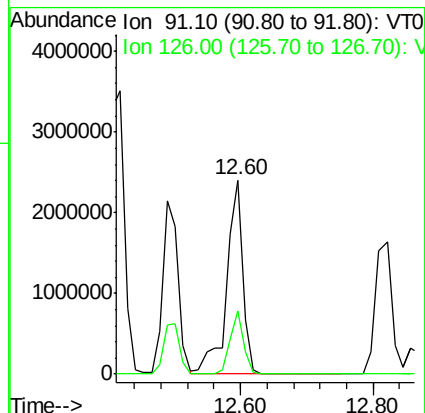
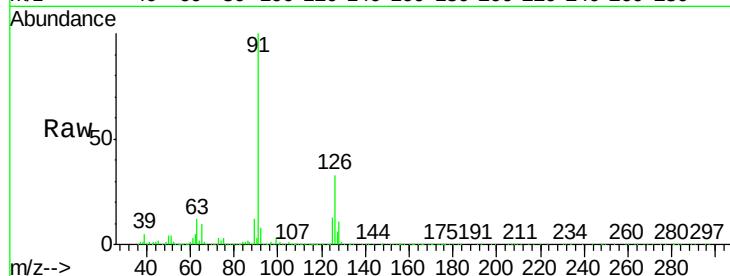
VSTDIC075

Tgt Ion: 91 Resp: 4168416

Ion Ratio Lower Upper

91 100

126 32.6 16.0 47.9



#82

tert-Butylbenzene

Concen: 94.61 ug/l

RT: 12.82 min Scan# 959

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

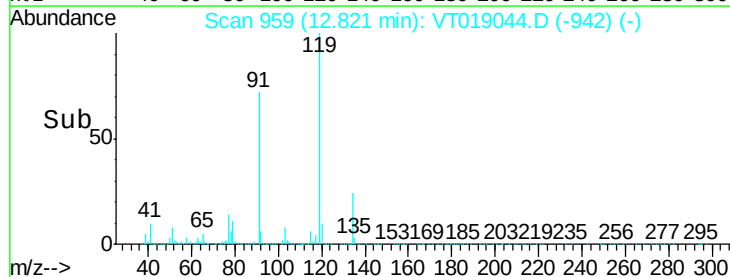
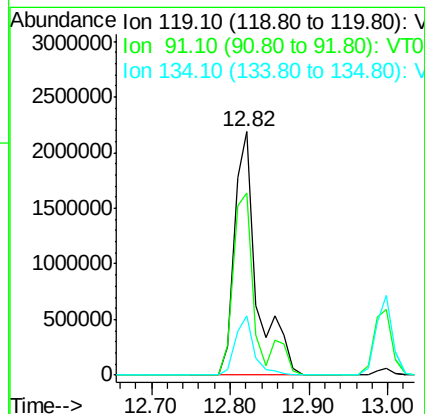
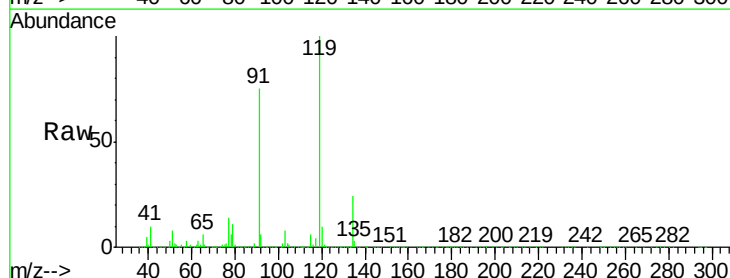
Tgt Ion: 119 Resp: 4367190

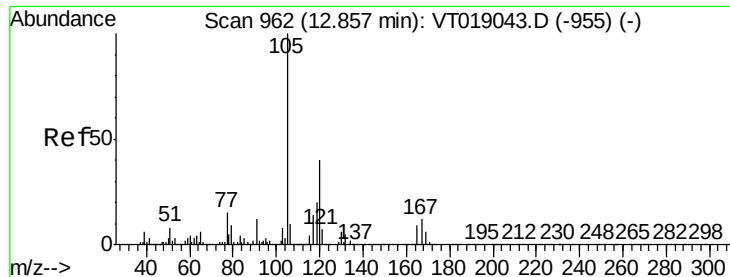
Ion Ratio Lower Upper

119 100

91 74.8 36.1 108.3

134 24.2 12.0 36.1

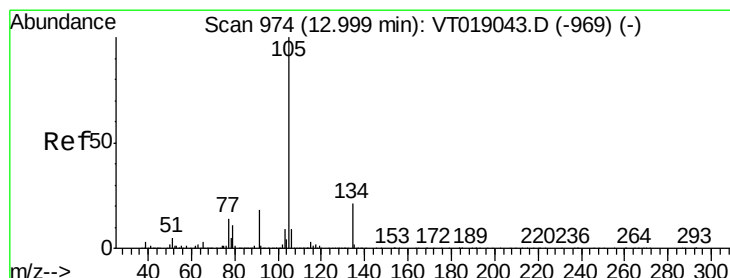
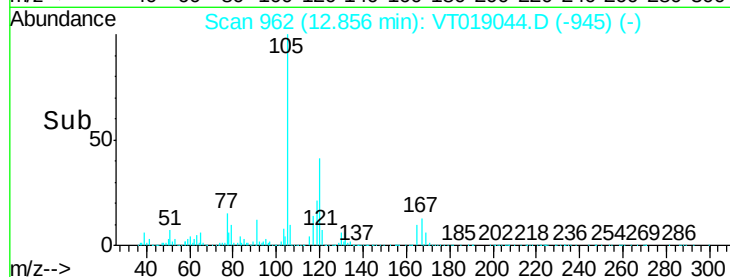
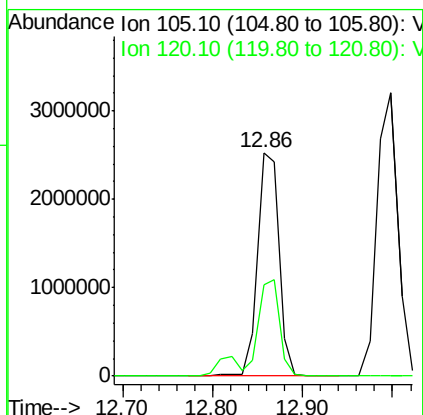
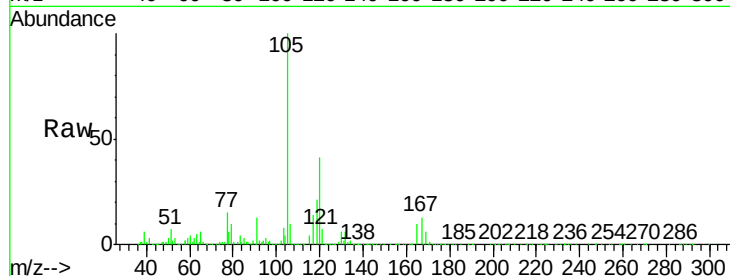




#83
 1,2,4-Trimethylbenzene
 Concen: 80.50 ug/l
 RT: 12.86 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: VT019044.D
 Acq: 8 May 2018 19:19

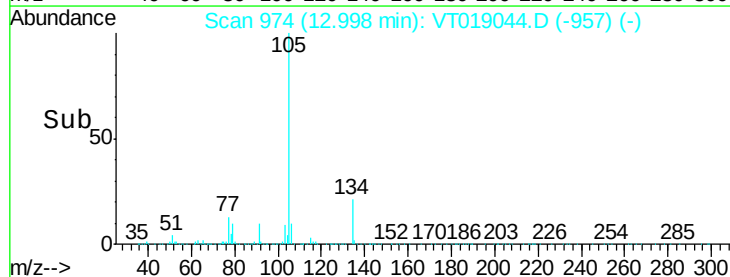
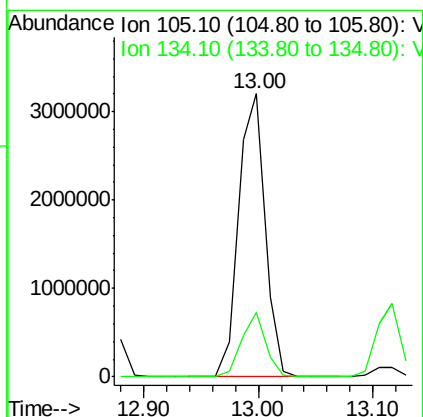
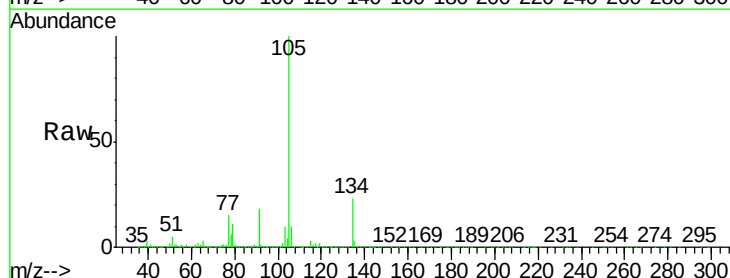
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC075

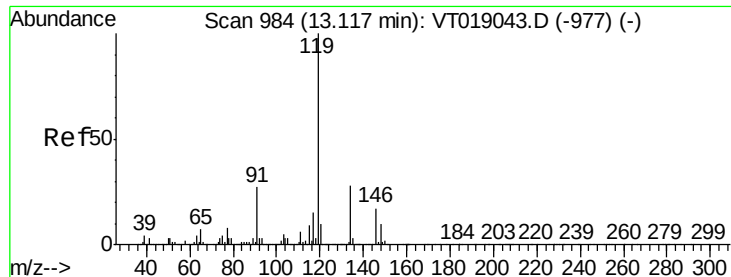
Tgt Ion:105 Resp: 4226087
 Ion Ratio Lower Upper
 105 100
 120 41.0 20.0 59.9



#84
 sec-Butylbenzene
 Concen: 78.91 ug/l
 RT: 13.00 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VT019044.D
 Acq: 8 May 2018 19:19

Tgt Ion:105 Resp: 5160464
 Ion Ratio Lower Upper
 105 100
 134 22.6 10.4 31.2

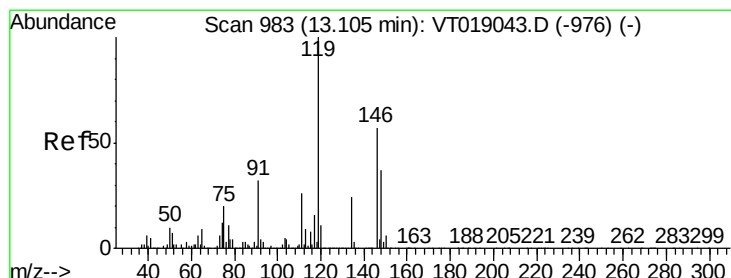
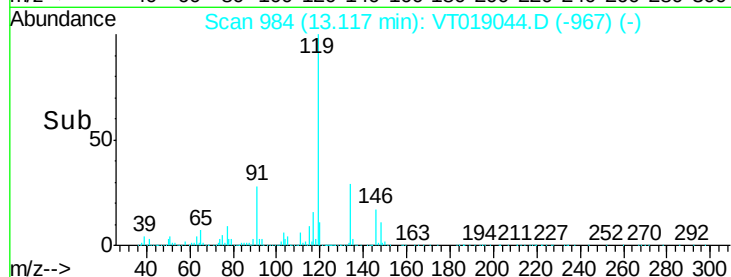
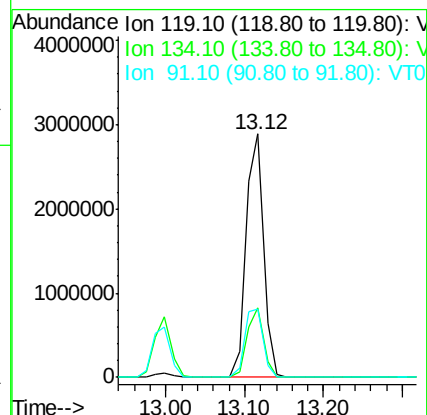
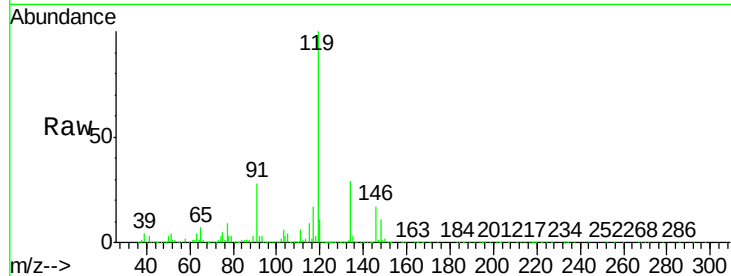




#85
p-Isopropyltoluene
Concen: 76.79 ug/l
RT: 13.12 min Scan# 984
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

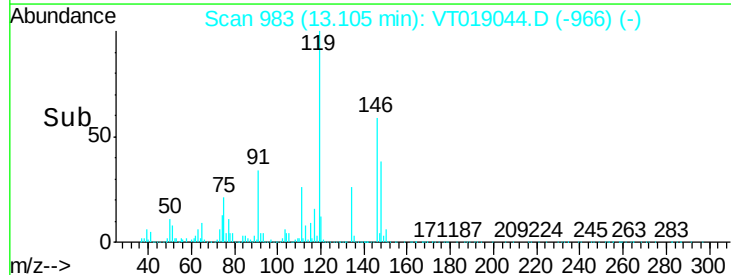
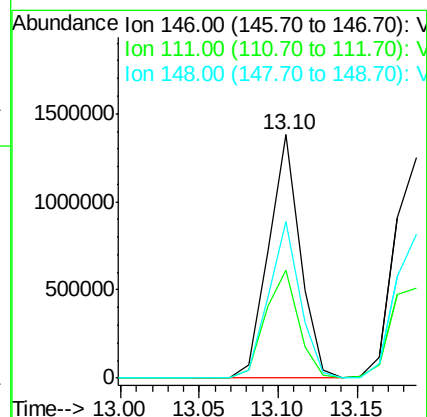
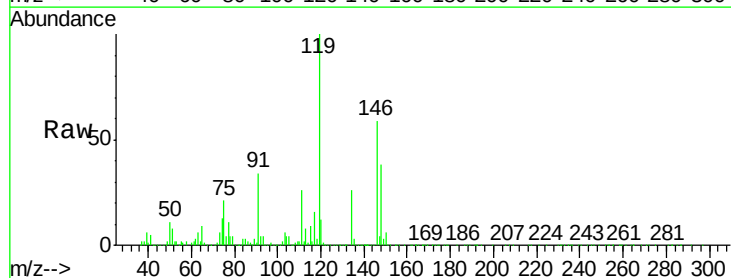
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

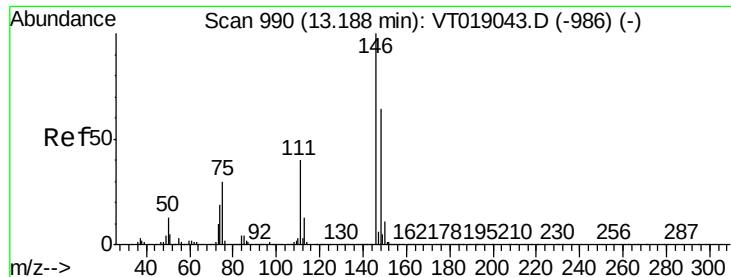
Tgt Ion:119 Resp: 4416272
Ion Ratio Lower Upper
119 100
134 28.7 14.1 42.3
91 28.0 13.5 40.4



#86
1,3-Dichlorobenzene
Concen: 69.33 ug/l
RT: 13.10 min Scan# 983
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Tgt Ion:146 Resp: 1934748
Ion Ratio Lower Upper
146 100
111 44.4 23.1 69.2
148 64.1 32.5 97.5

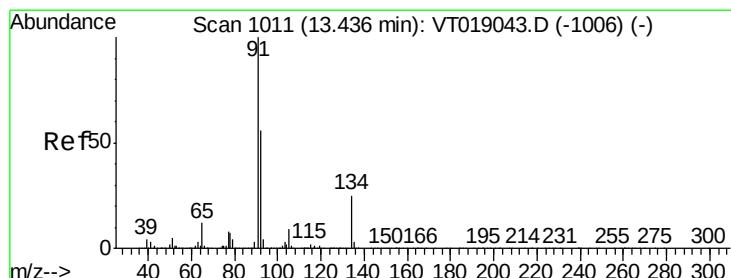
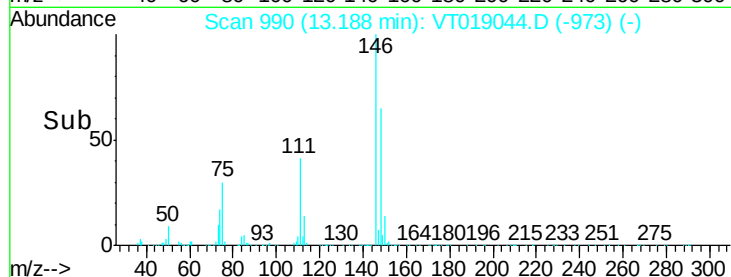
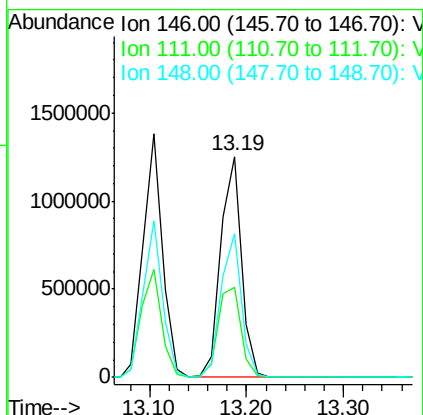
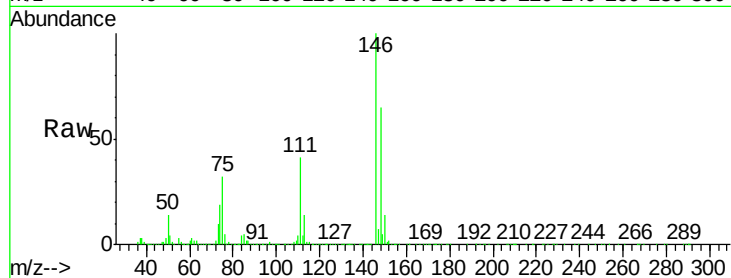




#87
 1,4-Dichlorobenzene
 Concen: 67.09 ug/l
 RT: 13.19 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VT019044.D
 Acq: 8 May 2018 19:19

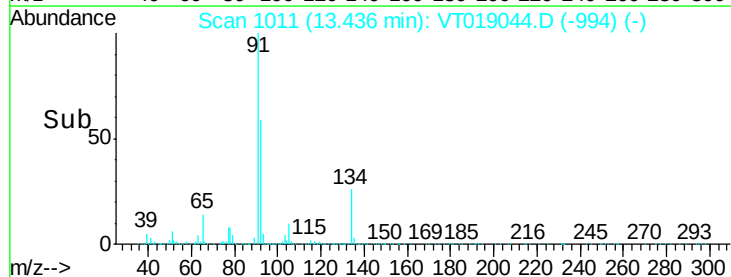
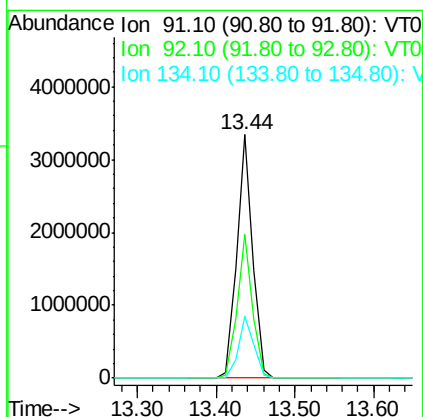
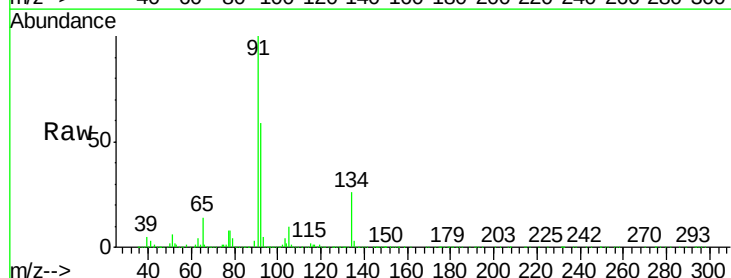
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC075

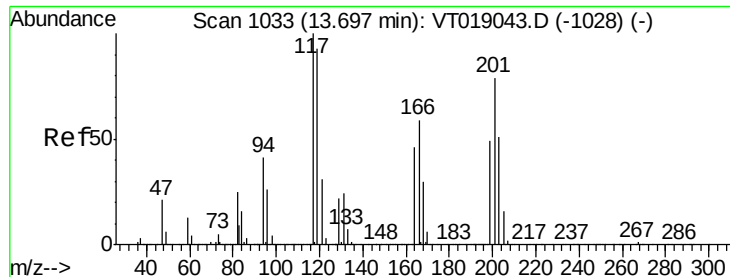
Tgt Ion:146 Resp: 1862515
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.3 60.8
 148 64.8 32.3 96.8



#88
 n-Butylbenzene
 Concen: 86.78 ug/l
 RT: 13.44 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VT019044.D
 Acq: 8 May 2018 19:19

Tgt Ion: 91 Resp: 4628846
 Ion Ratio Lower Upper
 91 100
 92 58.8 28.0 84.0
 134 25.7 12.4 37.0





#89

Hexachloroethane

Concen: 83.51 ug/l

RT: 13.70 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

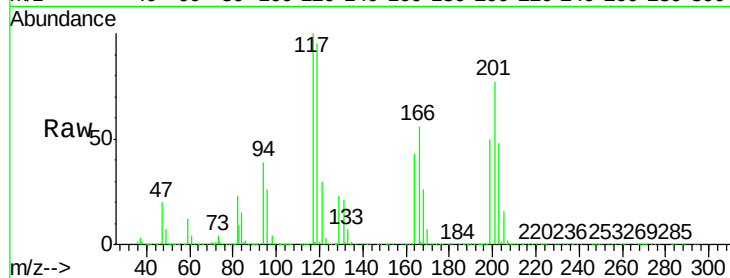
VSTDIC075

Tgt Ion:117 Resp: 783871

Ion Ratio Lower Upper

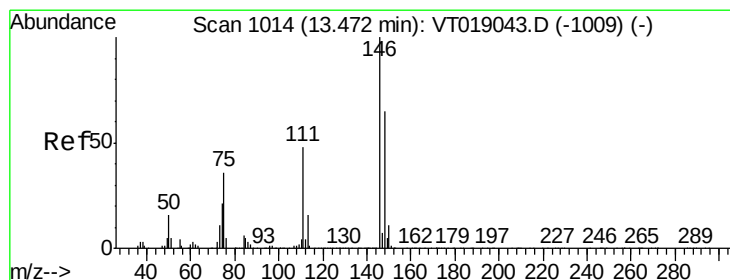
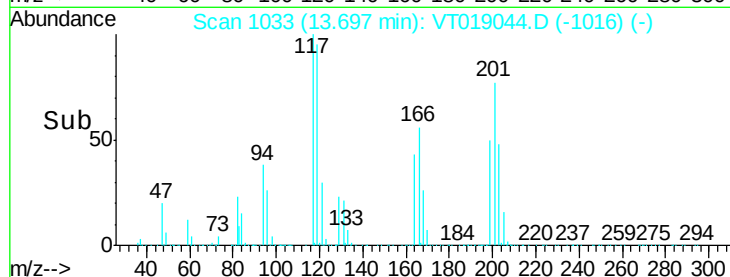
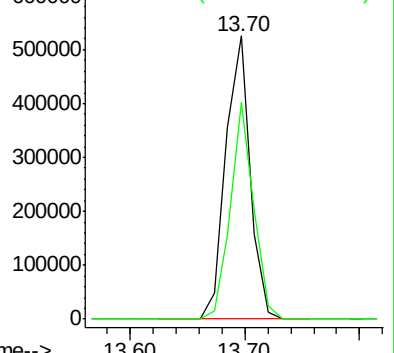
117 100

201 76.8 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: 67.84 ug/l

RT: 13.47 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

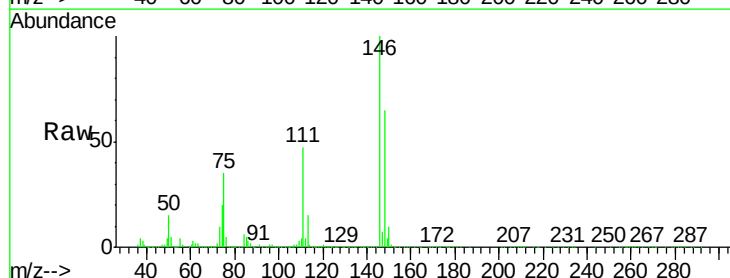
Tgt Ion:146 Resp: 1630338

Ion Ratio Lower Upper

146 100

111 46.9 23.8 71.2

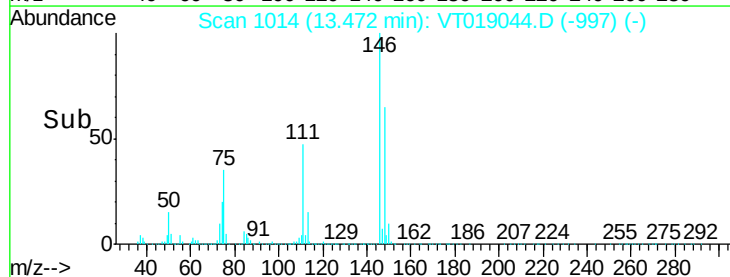
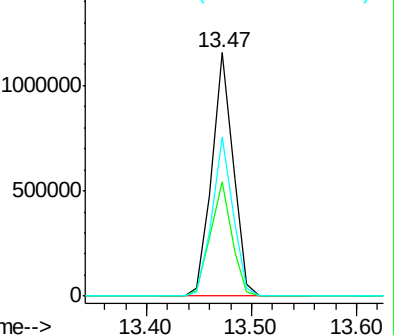
148 65.1 32.7 98.1

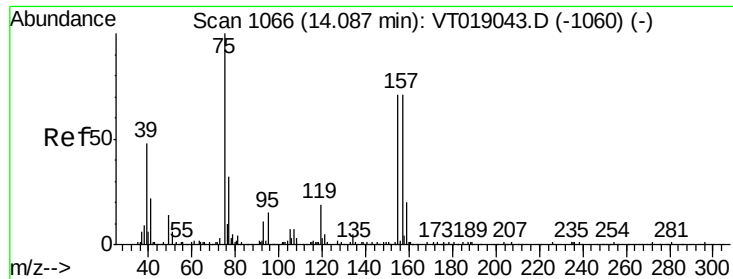


Abundance Ion 146.00 (145.70 to 146.70): V

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: 70.86 ug/l

RT: 14.09 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC075

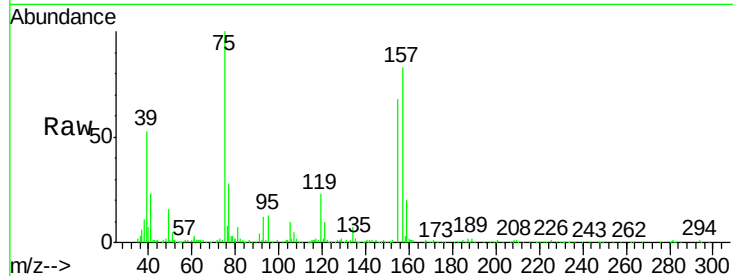
Tgt Ion: 75 Resp: 98992

Ion Ratio Lower Upper

75 100

155 68.0 35.6 106.8

157 83.3 35.8 107.3

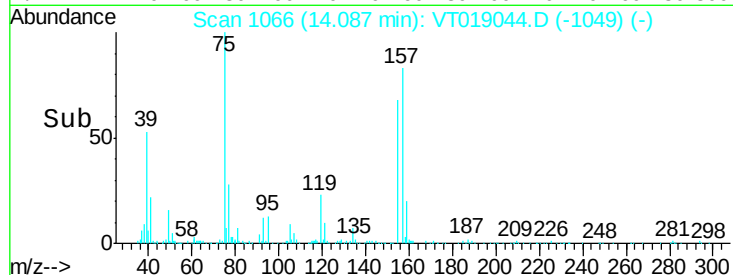


Abundance Ion 75.00 (74.70 to 75.70): VT019043.D (-1060) (-)

Ion 154.90 (154.60 to 155.60): VT019043.D (-1060) (-)

Ion 156.90 (156.60 to 157.60): VT019043.D (-1060) (-)

Time-->

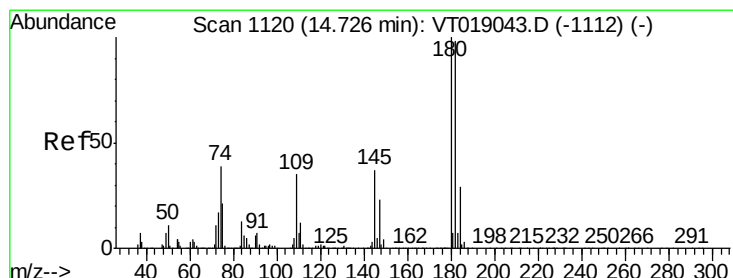


Abundance Ion 75.00 (74.70 to 75.70): VT019044.D (-1049) (-)

Ion 154.90 (154.60 to 155.60): VT019044.D (-1049) (-)

Ion 156.90 (156.60 to 157.60): VT019044.D (-1049) (-)

Time-->



#92

1,2,4-Trichlorobenzene

Concen: 68.73 ug/l

RT: 14.73 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VT019044.D

Acq: 8 May 2018 19:19

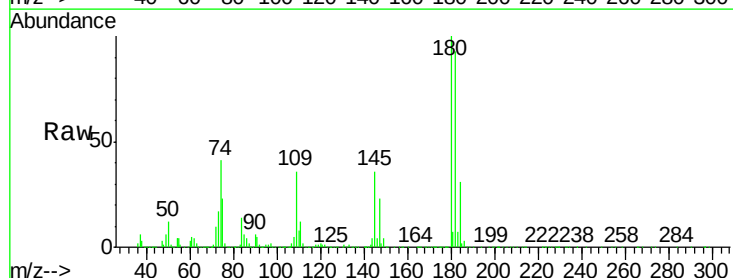
Tgt Ion: 180 Resp: 1104820

Ion Ratio Lower Upper

180 100

182 93.3 49.0 147.0

145 36.1 18.3 54.9

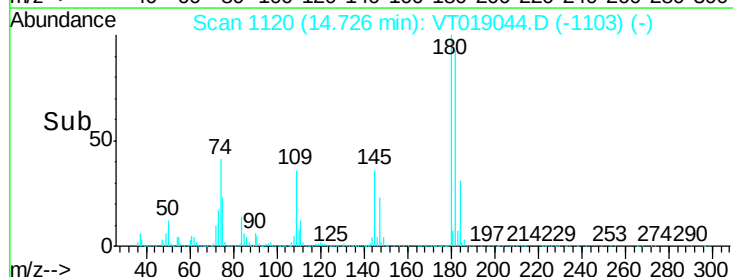


Abundance Ion 179.90 (179.60 to 180.60): VT019043.D (-1112) (-)

Ion 181.90 (181.60 to 182.60): VT019043.D (-1112) (-)

Ion 145.00 (144.70 to 145.70): VT019043.D (-1112) (-)

Time-->

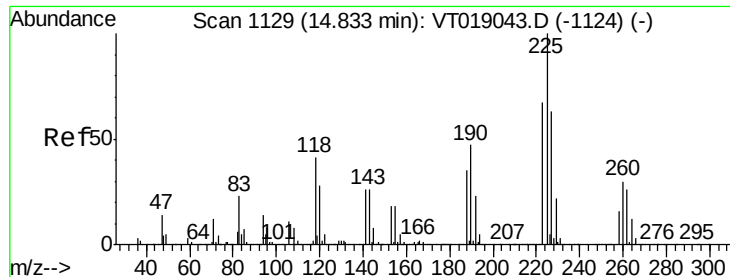


Abundance Ion 179.90 (179.60 to 180.60): VT019044.D (-1103) (-)

Ion 181.90 (181.60 to 182.60): VT019044.D (-1103) (-)

Ion 145.00 (144.70 to 145.70): VT019044.D (-1103) (-)

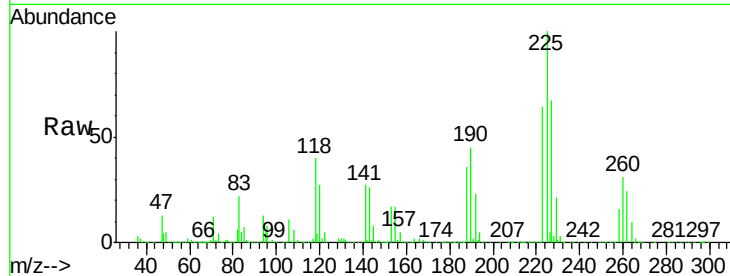
Time-->



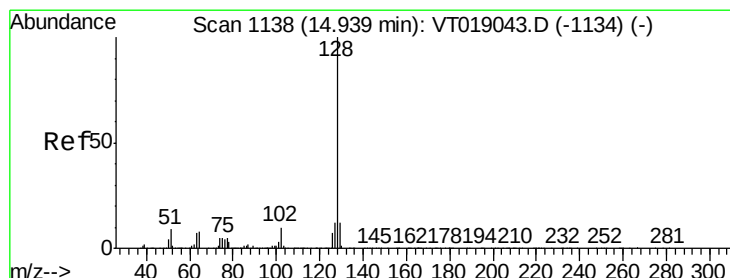
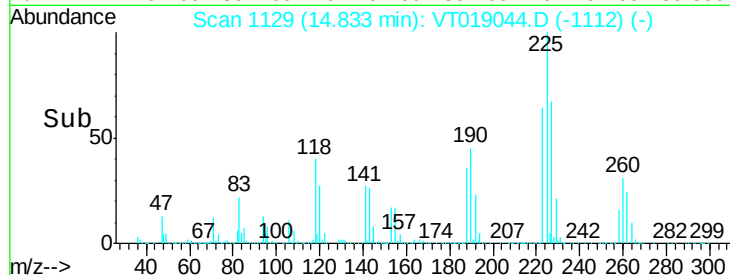
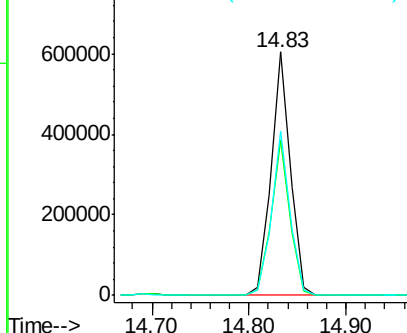
#93
Hexachlorobutadiene
Concen: 78.17 ug/l
RT: 14.83 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC075

Tgt Ion:225 Resp: 826456
Ion Ratio Lower Upper
225 100
223 63.6 33.5 100.4
227 67.4 31.7 95.1

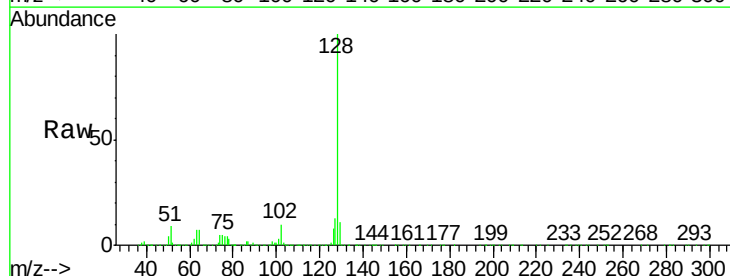


Abundance Ion 224.80 (224.50 to 225.50): V
Ion 222.80 (222.50 to 223.50): V
Ion 226.80 (226.50 to 227.50): V

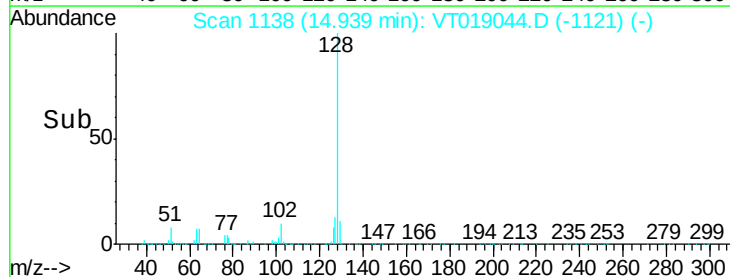
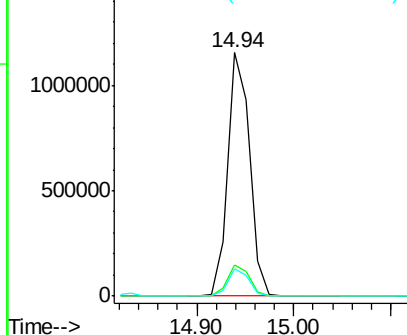


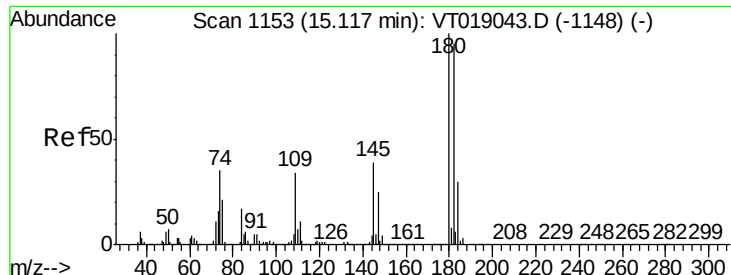
#94
Naphthalene
Concen: 68.03 ug/l
RT: 14.94 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VT019044.D
Acq: 8 May 2018 19:19

Tgt Ion:128 Resp: 1798813
Ion Ratio Lower Upper
128 100
127 12.9 9.9 14.9
129 11.1 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

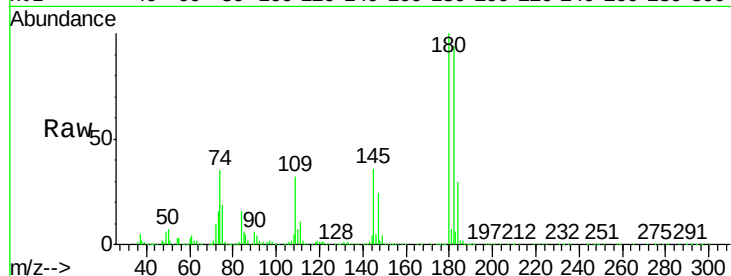




#95
 1,2,3-Trichlorobenzene
 Concen: 66.10 ug/l
 RT: 15.12 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VT019044.D
 Acq: 8 May 2018 19:19

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.7	143.1
145	36.5	19.4	58.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 145.00 (144.70 to 145.70): V

