

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050818\
 Data File : VT019047.D
 Acq On : 9 May 2018 00:58
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA T/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 ICSVV050818

Quant Time: May 09 04:41:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_T\METHODS\2015\82T050818S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 09 04:36:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.44	168	1464322	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	2462495	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	2066544	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	954897	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	678039	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
34) Dibromofluoromethane	7.35	113	696736	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
49) Toluene-d8	9.90	98	3081009	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
61) 4-Bromofluorobenzene	12.22	95	1122386	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.78	85	917815	48.99	ug/l	99
3) Chloromethane	1.96	50	382767	59.96	ug/l	97
4) Vinyl Chloride	2.11	62	603709	58.44	ug/l	93
5) Bromomethane	2.46	94	401969	47.68	ug/l	100
6) Chloroethane	2.59	64	339246	53.53	ug/l	96
7) Trichlorofluoromethane	2.93	101	1214311m	43.78	ug/l	
8) Diethyl Ether	3.21	74	229439	54.50	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.60	101	649781	48.33	ug/l	98
10) Methyl Iodide	3.77	142	935941	47.97	ug/l	89
11) Tert butyl alcohol	4.54	59	166969	237.52	ug/l #	94
12) 1,1-Dichloroethene	3.56	96	628077	52.62	ug/l	97
13) Acrolein	3.39	56	90197	262.84	ug/l	88
14) Allyl chloride	4.05	41	1254331m	48.70	ug/l	
15) Acrylonitrile	4.70	53	718742	265.42	ug/l	94
16) Acetone	3.59	43	356030	241.29	ug/l	97
17) Carbon Disulfide	3.90	76	2703678m	54.87	ug/l	
18) Methyl Acetate	4.08	43	362240	47.79	ug/l	94
19) Methyl tert-butyl Ether	4.76	73	1563029	52.25	ug/l	95
20) Methylene Chloride	4.34	84	758736m	47.74	ug/l	
21) trans-1,2-Dichloroethene	4.74	96	875963	49.70	ug/l	97
22) Diisopropyl ether	5.67	45	2412694	50.50	ug/l	98
23) Vinyl Acetate	5.61	43	5313153	250.57	ug/l	100
24) 1,1-Dichloroethane	5.56	63	1644423	49.23	ug/l	98
25) 2-Butanone	6.57	43	788894	237.42	ug/l	92
26) 2,2-Dichloropropane	6.55	77	597409	44.33	ug/l	99
27) cis-1,2-Dichloroethene	6.55	96	894481	51.66	ug/l	98
28) Bromochloromethane	6.94	49	533244	48.08	ug/l	98
29) Chloroform	7.13	83	1530560	48.96	ug/l	97
30) Cyclohexane	7.41	56	1687133	46.60	ug/l	93
31) 1,1,1-Trichloroethane	7.33	97	1163892	48.19	ug/l	97
35) 1,1-Dichloropropene	7.56	75	1387307	48.90	ug/l	99
36) Ethyl Acetate	6.67	43	343320	46.94	ug/l	97
37) Carbon Tetrachloride	7.54	117	1095987	47.26	ug/l	96
38) Methylcyclohexane	8.88	83	1744743	51.51	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed May 09 04:36:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	7.82	78	3640528	49.11	ug/l	98
40) Methacrylonitrile	6.92	41	188805	46.74	ug/l #	96
41) 1,2-Dichloroethane	7.91	62	756502	46.98	ug/l	98
42) Isopropyl Acetate	7.96	43	634260	50.37	ug/l	97
43) Trichloroethene	8.63	130	819491	48.06	ug/l	95
44) 1,2-Dichloropropane	8.92	63	843431	48.53	ug/l	99
45) Dibromomethane	9.01	93	320315	46.88	ug/l	96
46) Bromodichloromethane	9.21	83	958950	48.30	ug/l	99
47) Methyl methacrylate	9.01	41	335904	51.61	ug/l	97
48) 1,4-Dioxane	9.01	88	82032	1044.71	ug/l	91
50) 4-Methyl-2-Pentanone	9.80	43	1745167	252.75	ug/l	96
51) Toluene	9.97	92	2147044	50.11	ug/l	98
52) t-1,3-Dichloropropene	10.19	75	891938	49.40	ug/l	96
53) cis-1,3-Dichloropropene	9.65	75	1172795	51.00	ug/l	94
54) 1,1,2-Trichloroethane	10.38	97	492855	47.51	ug/l	99
55) Ethyl methacrylate	10.25	69	662374	53.29	ug/l	98
56) 1,3-Dichloropropane	10.53	76	904216	48.72	ug/l	94
57) 2-Chloroethyl Vinyl ether	9.51	63	1566254	273.44	ug/l	100
58) 2-Hexanone	10.57	43	1235757	246.83	ug/l	95
59) Dibromochloromethane	10.73	129	515067	47.74	ug/l	97
60) 1,2-Dibromoethane	10.82	107	425958	47.50	ug/l	92
63) Tetrachloroethene	10.45	164	741984	52.47	ug/l	98
64) Chlorobenzene	11.25	112	2086840	48.75	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.33	131	665033	47.87	ug/l	98
66) Ethyl Benzene	11.33	91	4245739	51.72	ug/l	97
67) m/p-Xylenes	11.45	106	3132622	102.64	ug/l	97
68) o-Xylene	11.77	106	1452660	50.73	ug/l	98
69) Stvrene	11.78	104	2259947	50.97	ug/l #	89
70) Bromoform	11.95	173	256154	48.52	ug/l	96
72) Isopropylbenzene	12.08	105	4156687	53.92	ug/l	99
73) N-amyl acetate	11.90	43	682180	53.67	ug/l	96
74) 1,1,2,2-Tetrachloroethane	12.32	83	554324	48.86	ug/l	95
75) 1,2,3-Trichloropropane	12.37	75	426977m	52.57	ug/l	
76) Bromobenzene	12.35	156	776981	50.89	ug/l	99
77) n-propylbenzene	12.42	91	5154177	48.81	ug/l	98
78) 2-Chlorotoluene	12.49	91	2976268	52.60	ug/l	99
79) 1,3,5-Trimethylbenzene	12.56	105	3574379	53.40	ug/l	99
80) trans-1,4-Dichloro-2-buten	12.12	75	160562	52.56	ug/l	94
81) 4-Chlorotoluene	12.60	91	3513344	51.10	ug/l	98
82) tert-Butylbenzene	12.82	119	3140585m	53.84	ug/l	
83) 1,2,4-Trimethylbenzene	12.86	105	3628269	53.46	ug/l	96
84) sec-Butylbenzene	13.00	105	4400179	53.54	ug/l	98
85) p-Isopropyltoluene	13.12	119	3743650	54.19	ug/l	99
86) 1,3-Dichlorobenzene	13.11	146	1615101	50.14	ug/l	98
87) 1,4-Dichlorobenzene	13.19	146	1564172	49.96	ug/l	99
88) n-Butylbenzene	13.44	91	3927491	53.05	ug/l	98
89) Hexachloroethane	13.70	117	607488	50.69	ug/l	100
90) 1,2-Dichlorobenzene	13.47	146	1364691	50.68	ug/l	98
91) 1,2-Dibromo-3-Chloropropan	14.09	75	87427	53.47	ug/l	87
92) 1,2,4-Trichlorobenzene	14.73	180	917625	50.99	ug/l	97

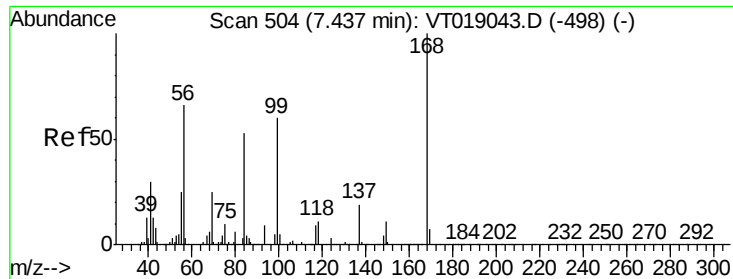
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Quant Title : SW846 8260
QLast Update : Wed May 09 04:36:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	14.83	225	668887	50.88	ug/l	97
94) Naphthalene	14.94	128	1626379	55.94	ug/l	99
95) 1,2,3-Trichlorobenzene	15.12	180	762507	51.33	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 504

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

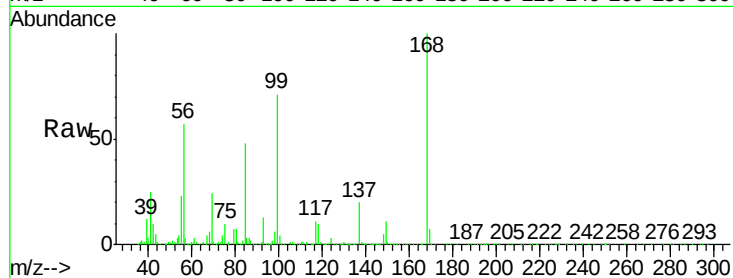
ICVVT050818

Tot Ion:168 Resp: 1464322

Ion Ratio Lower Upper

168 100

99 70.6 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

600000

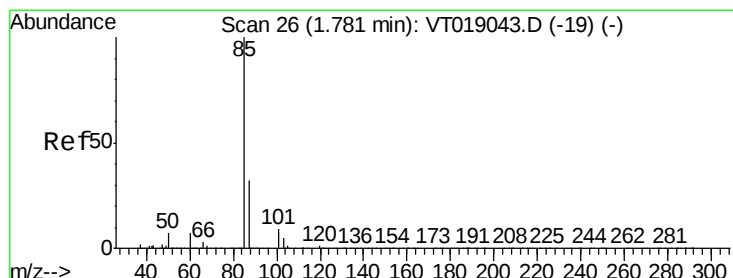
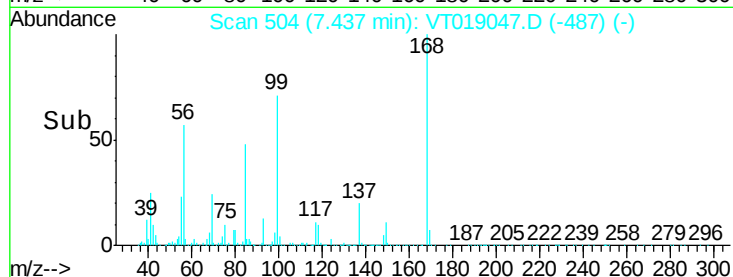
400000

200000

0

7.30 7.40 7.50 7.60

Time-->



#2

Dichlorodifluoromethane

Concen: 48.99 ug/l

RT: 1.78 min Scan# 26

Delta R.T. -0.00 min

Lab File: VT019047.D

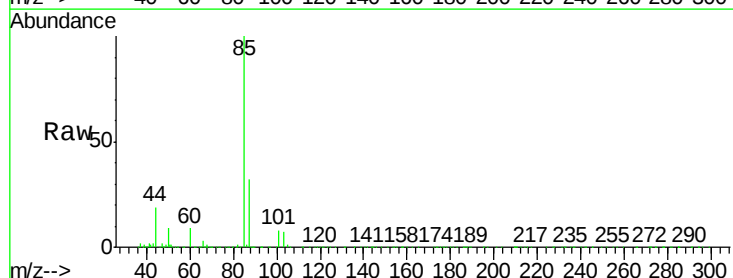
Acq: 9 May 2018 00:58

Tgt Ion: 85 Resp: 917815

Ion Ratio Lower Upper

85 100

87 31.8 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

150000

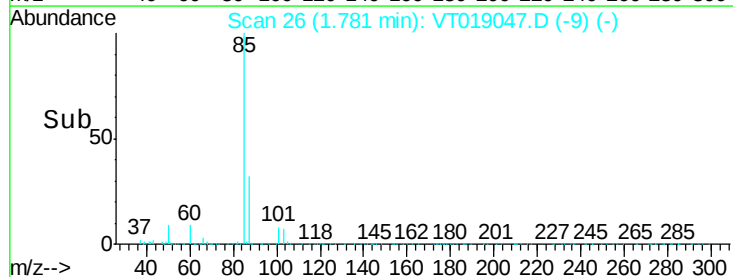
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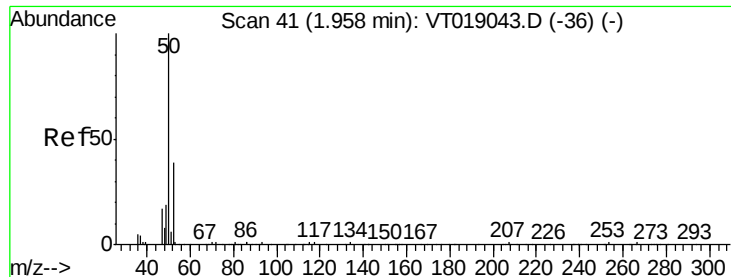
50000

0

1.60 1.70 1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 59.96 ug/l

RT: 1.96 min Scan# 41

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

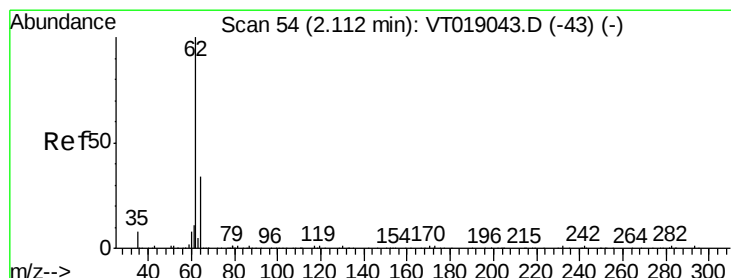
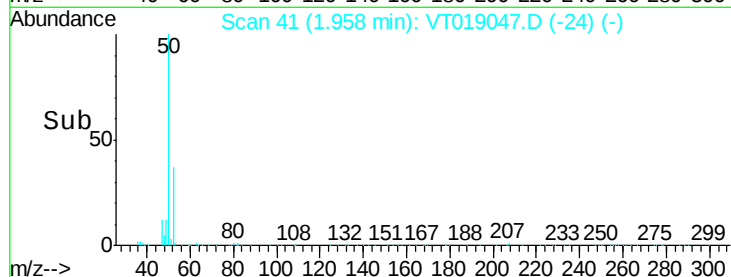
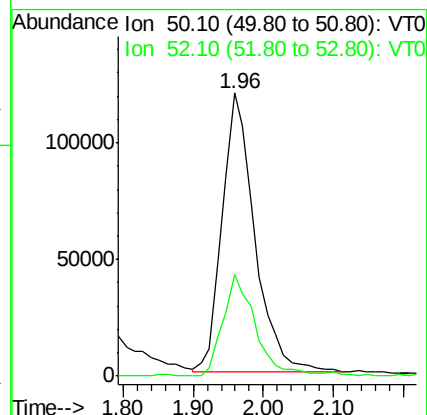
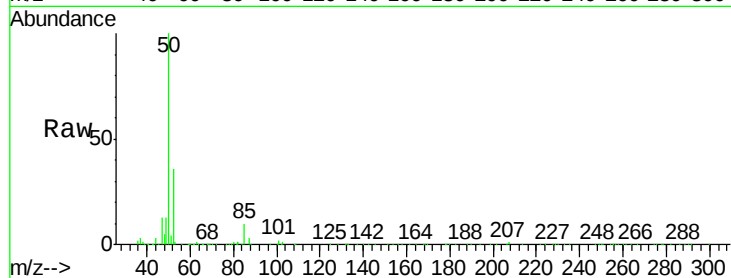
ICVVT050818

Tot Ion: 50 Resp: 382767

Ion Ratio Lower Upper

50 100

52 35.7 30.1 45.1



#4

Vinyl Chloride

Concen: 58.44 ug/l

RT: 2.11 min Scan# 54

Delta R.T. -0.00 min

Lab File: VT019047.D

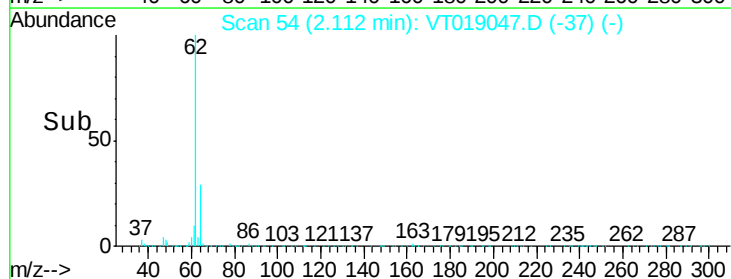
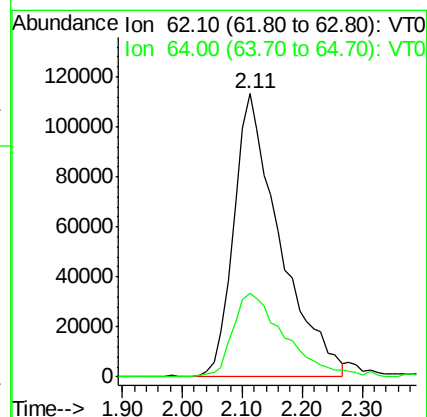
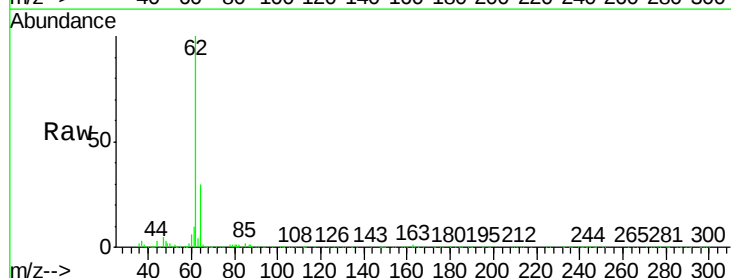
Acq: 9 May 2018 00:58

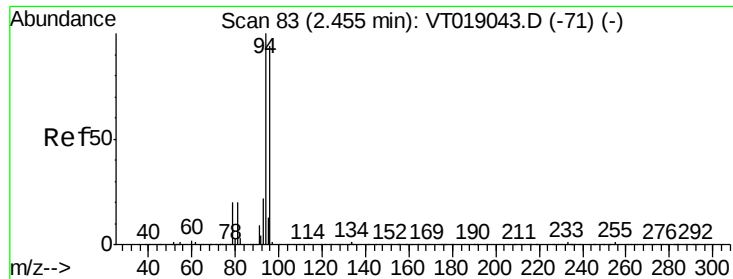
Tgt Ion: 62 Resp: 603709

Ion Ratio Lower Upper

62 100

64 29.7 27.0 40.4





#5

Bromomethane

Concen: 47.68 ug/l

RT: 2.46 min Scan# 83

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

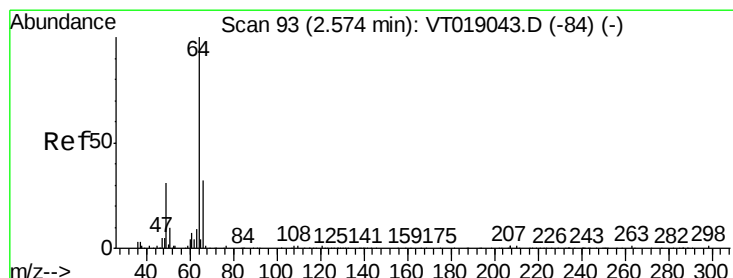
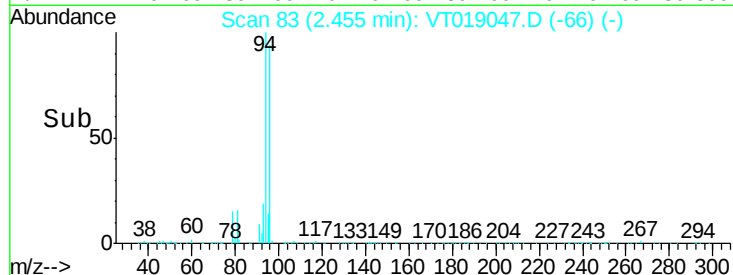
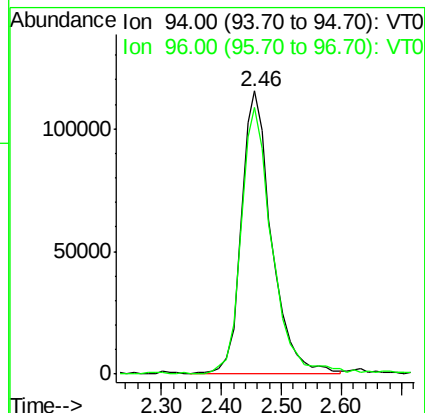
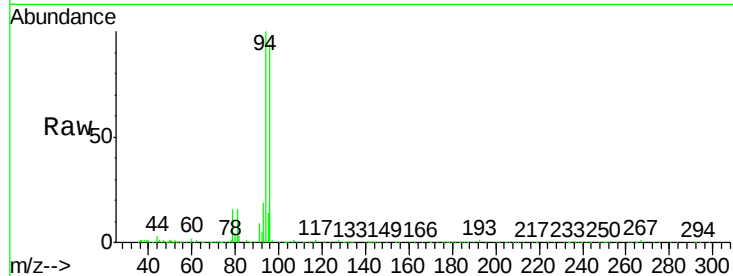
ICVVT050818

Tot Ion: 94 Resp: 401969

Ion Ratio Lower Upper

94 100

96 94.3 75.3 112.9



#6

Chloroethane

Concen: 53.53 ug/l

RT: 2.59 min Scan# 94

Delta R.T. 0.01 min

Lab File: VT019047.D

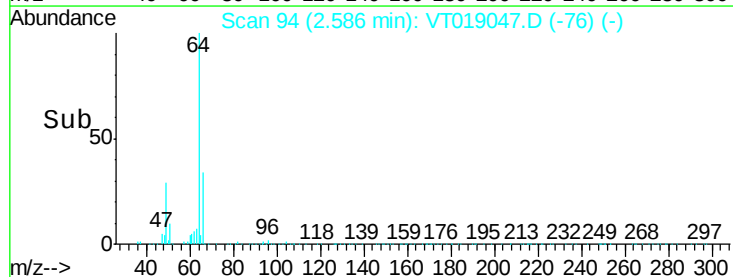
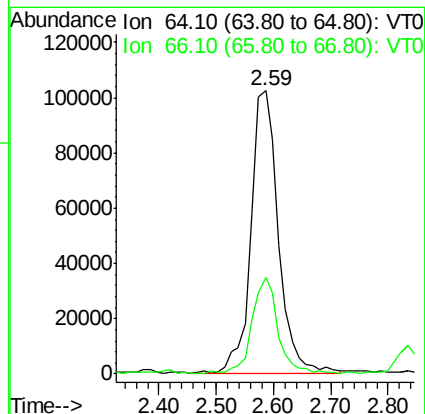
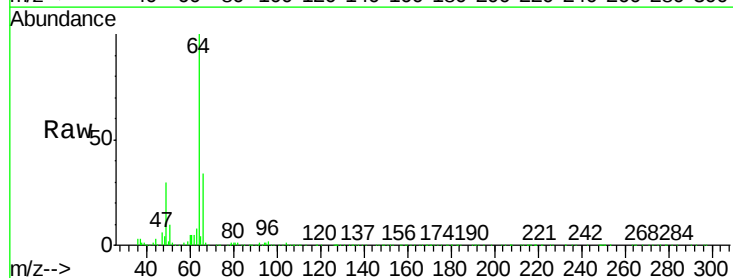
Acq: 9 May 2018 00:58

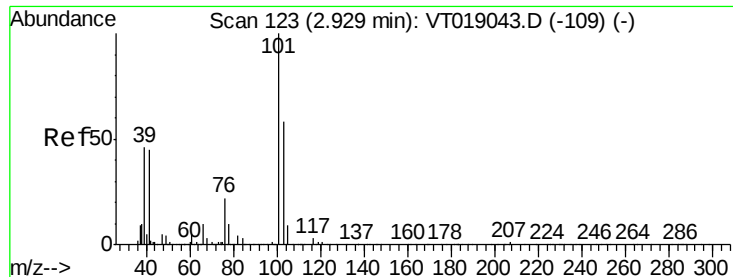
Tgt Ion: 64 Resp: 339246

Ion Ratio Lower Upper

64 100

66 34.3 25.8 38.8



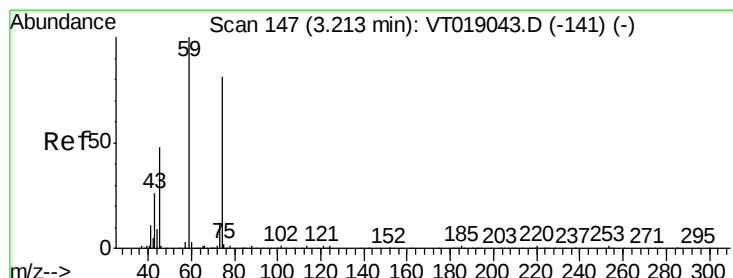
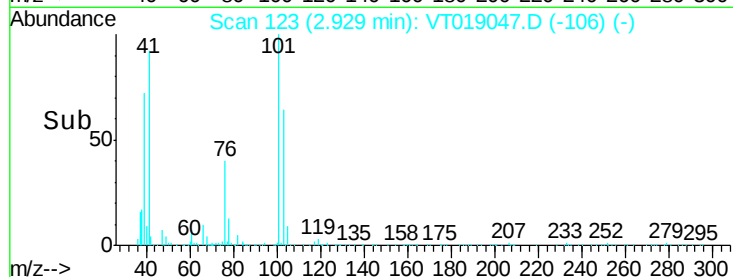
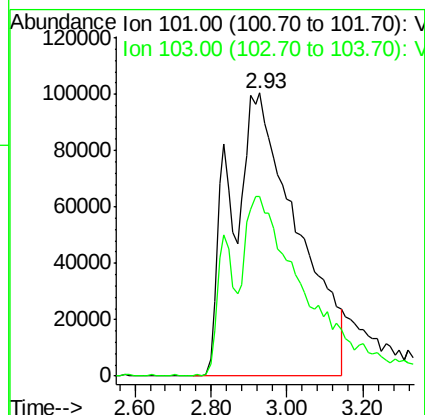
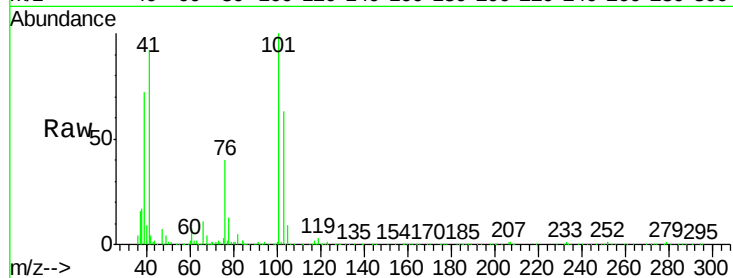


#7

Trichlorofluoromethane
Concen: 43.78 ug/l m
RT: 2.93 min Scan# 123
Delta R.T. -0.00 min
Lab File: VT019047.D
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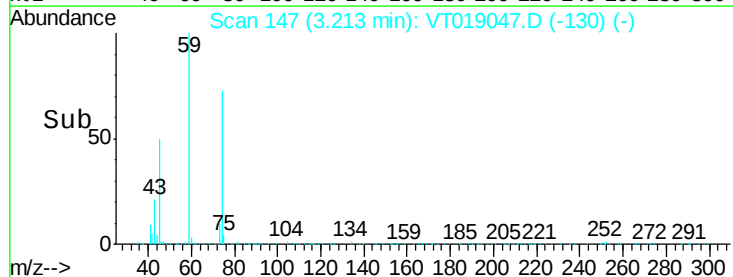
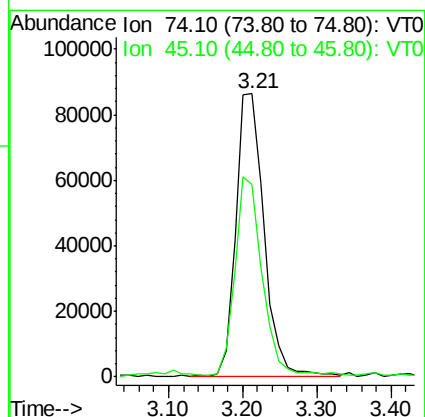
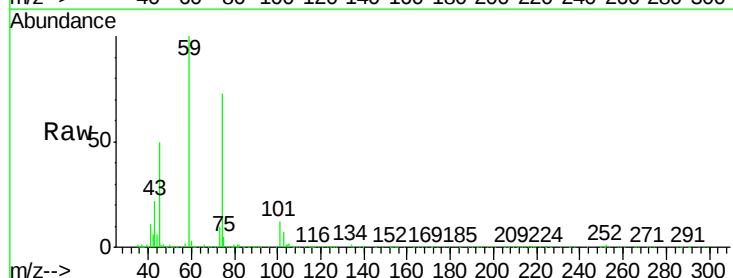
Tot Ion:101 Resp: 1214311
Ion Ratio Lower Upper
101 100
103 63.5 46.5 69.7

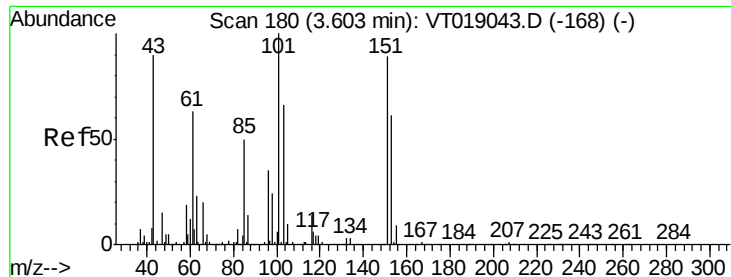


#8

Diethyl Ether
Concen: 54.50 ug/l
RT: 3.21 min Scan# 147
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

Tgt Ion: 74 Resp: 229439
Ion Ratio Lower Upper
74 100
45 68.2 29.8 89.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.33 ug/l

RT: 3.60 min Scan# 180

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

ICVVT050818

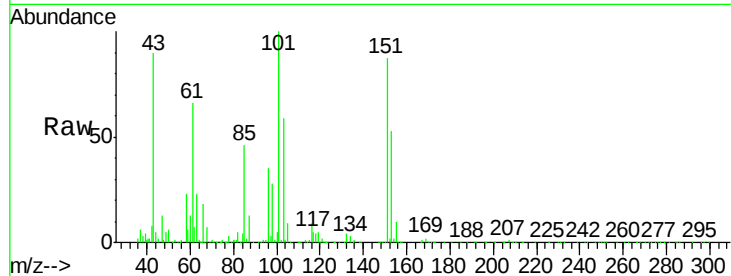
Tot Ion:101 Resp: 649781

Ion Ratio Lower Upper

101 100

85 46.3 39.5 59.3

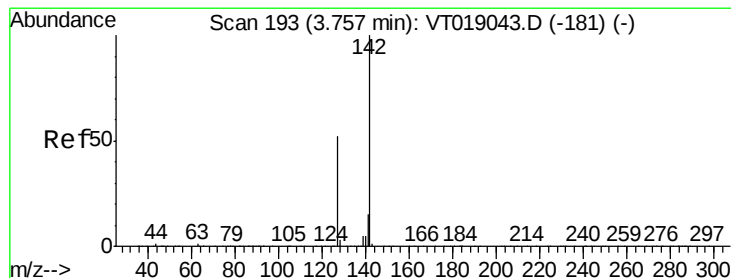
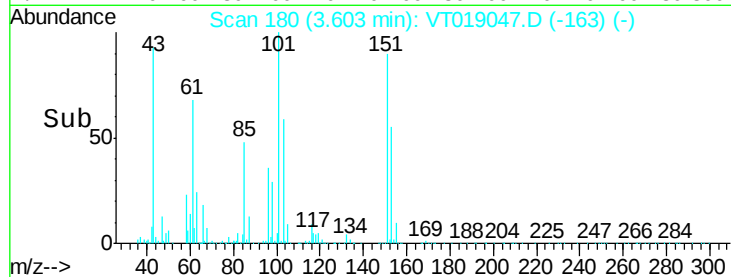
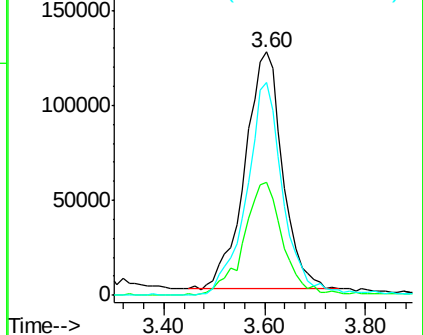
151 87.3 69.9 104.9



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: 47.97 ug/l

RT: 3.77 min Scan# 194

Delta R.T. 0.01 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

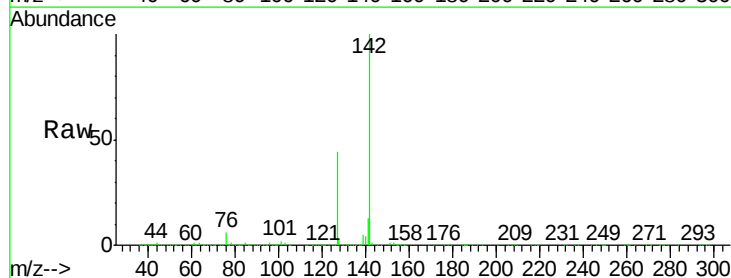
Tgt Ion:142 Resp: 935941

Ion Ratio Lower Upper

142 100

127 43.6 41.8 62.8

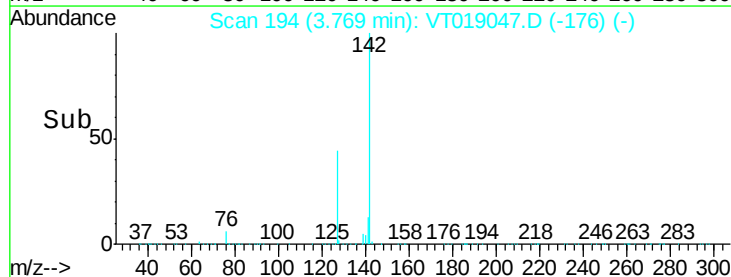
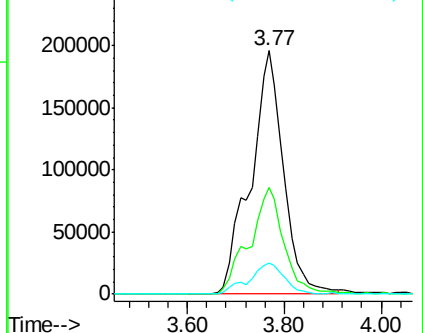
141 12.9 12.0 18.0

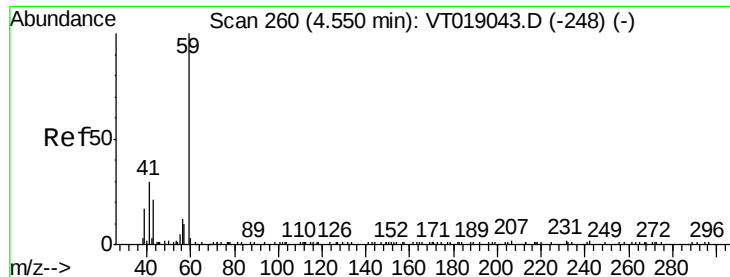


Abundance Ion 141.90 (141.60 to 142.60): V

Ion 126.90 (126.60 to 127.60): V

Ion 140.90 (140.60 to 141.60): V





#11

Tert butyl alcohol

Concen: 237.52 ug/l

RT: 4.54 min Scan# 259

Delta R.T. -0.01 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

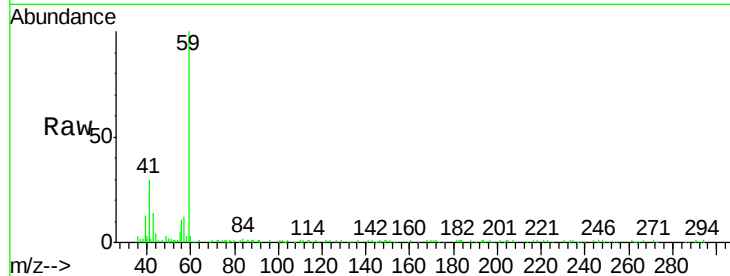
ICVVT050818

Tot Ion: 59 Resp: 166969

Ion Ratio Lower Upper

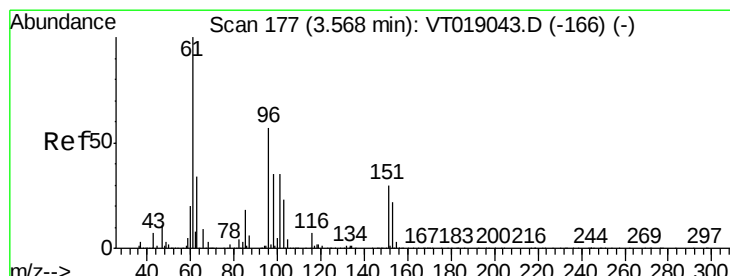
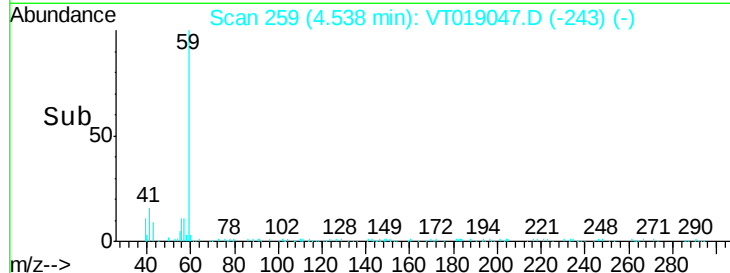
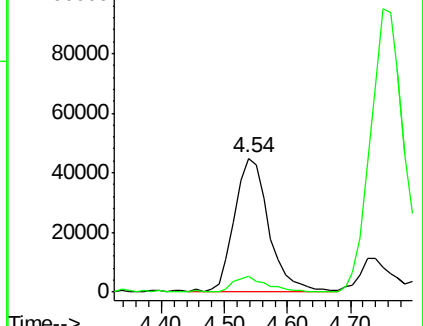
59 100

57 11.8 7.7 11.5#



Abundance Ion 59.10 (58.80 to 59.80): VT0

Ion 57.10 (56.80 to 57.80): VT0



#12

1,1-Dichloroethene

Concen: 52.62 ug/l

RT: 3.56 min Scan# 176

Delta R.T. -0.01 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

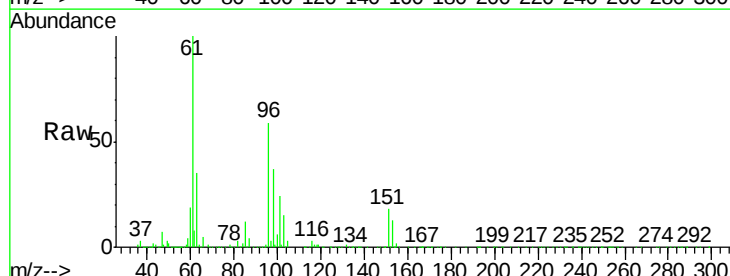
Tgt Ion: 96 Resp: 628077

Ion Ratio Lower Upper

96 100

61 168.5 139.4 209.2

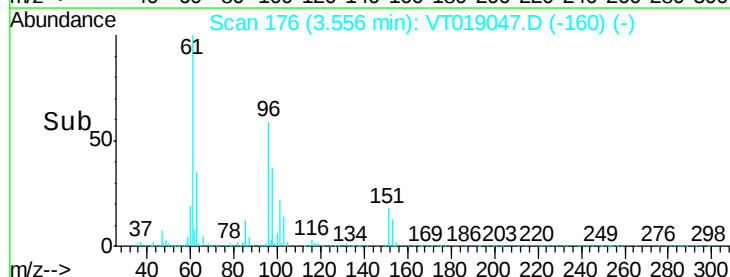
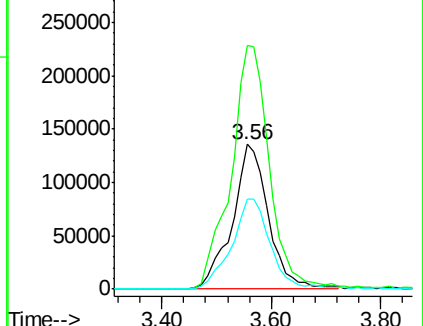
98 62.0 49.4 74.2

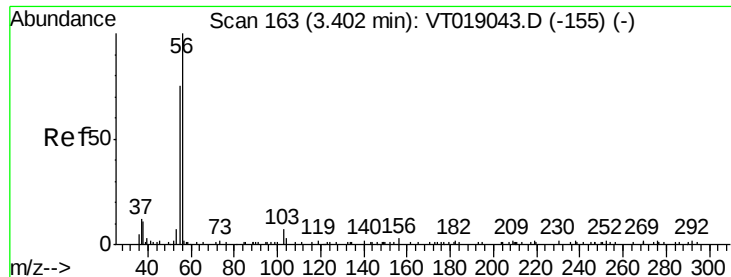


Abundance Ion 96.00 (95.70 to 96.70): VT0

Ion 61.10 (60.80 to 61.80): VT0

Ion 98.00 (97.70 to 98.70): VT0





#13

Acrolein

Concen: 262.84 ug/l

RT: 3.39 min Scan# 162

Delta R.T. -0.01 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

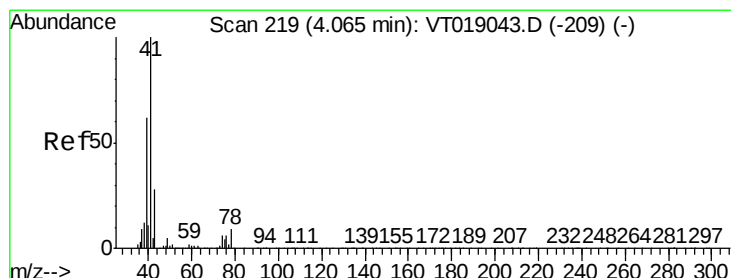
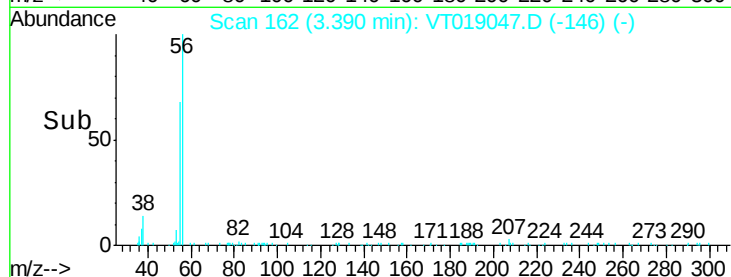
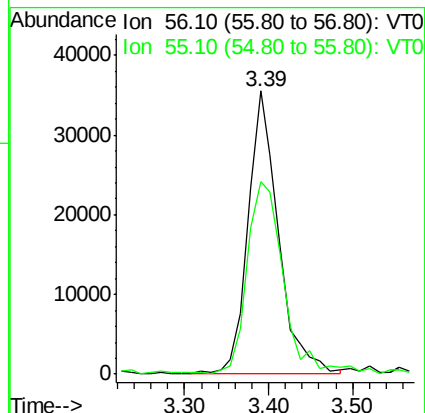
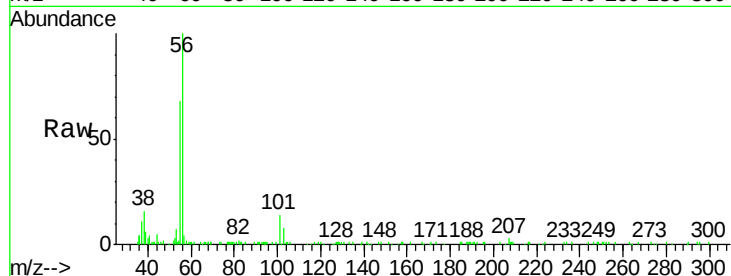
ICVVT050818

Tot Ion: 56 Resp: 90197

Ion Ratio Lower Upper

56 100

55 65.3 60.8 91.2



#14

Allyl chloride

Concen: 48.70 ug/l m

RT: 4.05 min Scan# 218

Delta R.T. -0.01 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

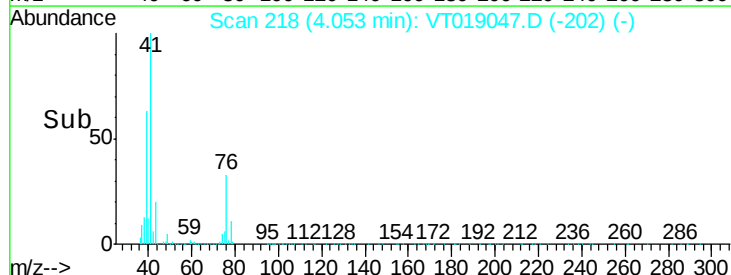
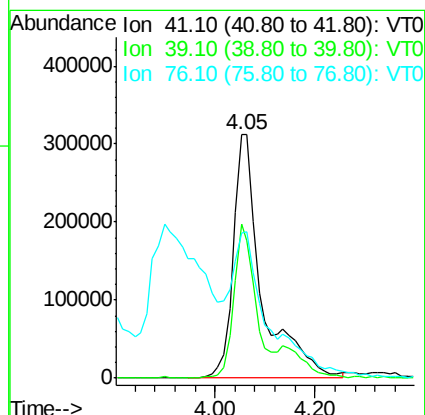
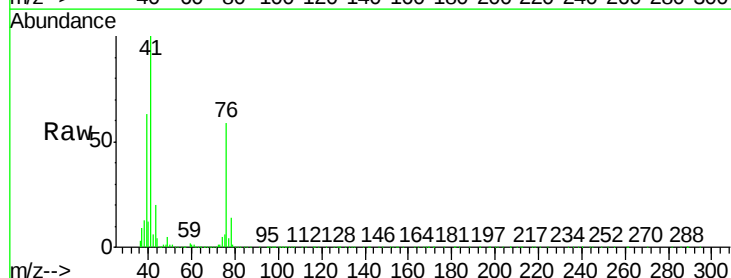
Tgt Ion: 41 Resp: 1254331

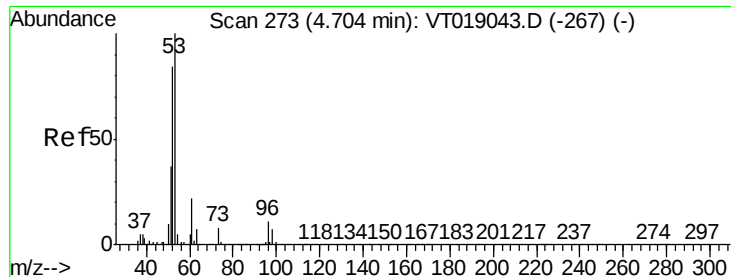
Ion Ratio Lower Upper

41 100

39 63.1 49.5 74.3

76 59.4 44.0 66.0





#15

Acrylonitrile

Concen: 265.42 ug/l

RT: 4.70 min Scan# 273

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

ICVVT050818

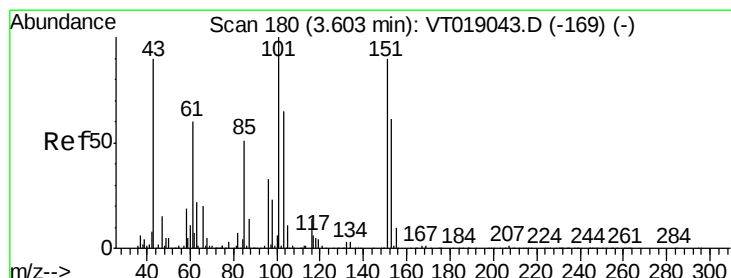
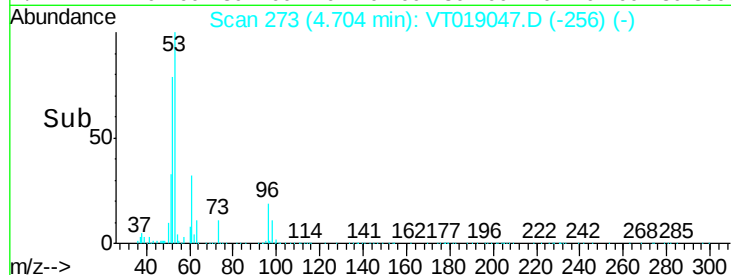
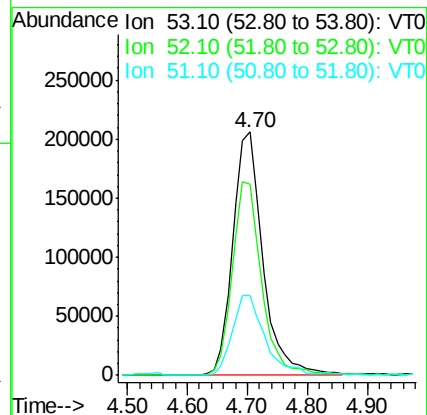
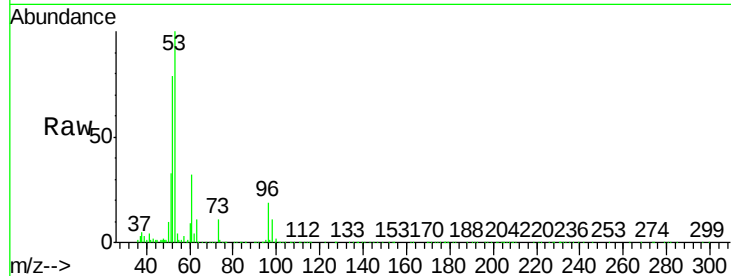
Tot Ion: 53 Resp: 718742

Ion Ratio Lower Upper

53 100

52 78.7 67.4 101.0

51 32.6 29.6 44.4



#16

Acetone

Concen: 241.29 ug/l

RT: 3.59 min Scan# 179

Delta R.T. -0.01 min

Lab File: VT019047.D

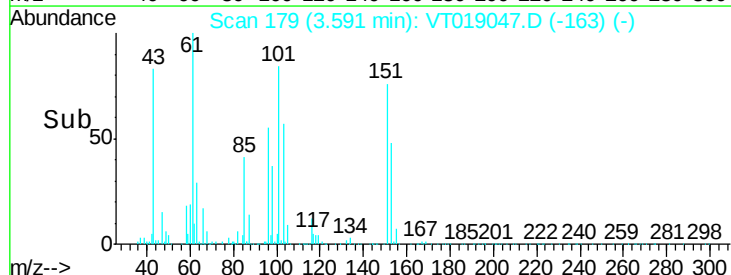
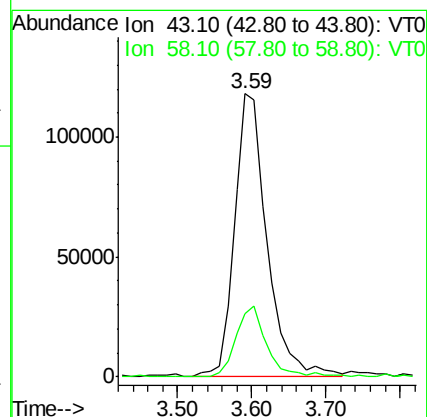
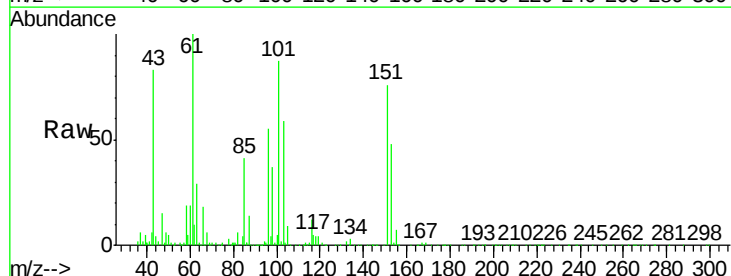
Acq: 9 May 2018 00:58

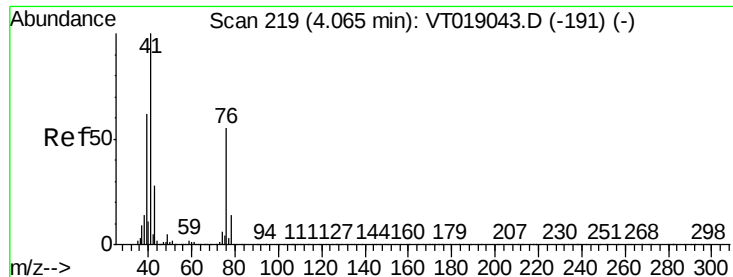
Tgt Ion: 43 Resp: 356030

Ion Ratio Lower Upper

43 100

58 22.4 16.7 25.1

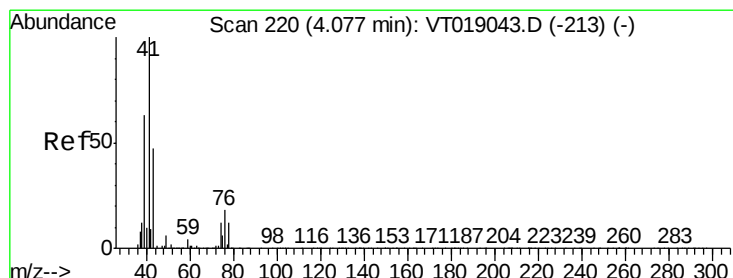
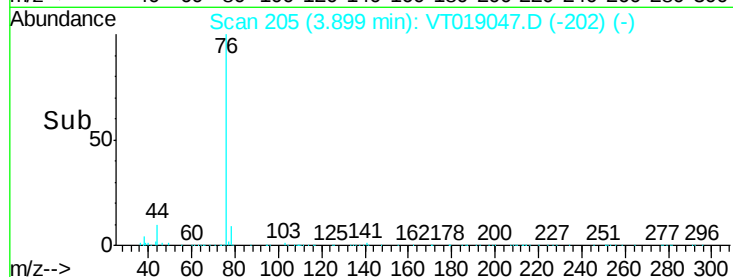
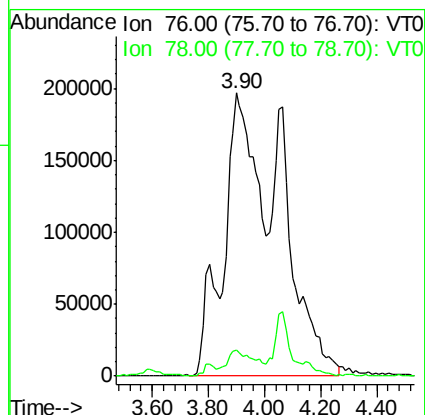
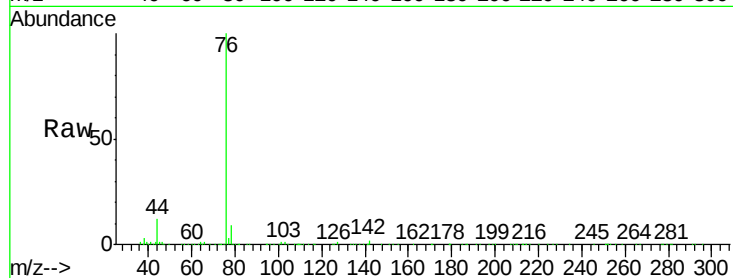




#17
Carbon Disulfide
Concen: 54.87 ug/l m
RT: 3.90 min Scan# 205
Delta R.T. -0.17 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

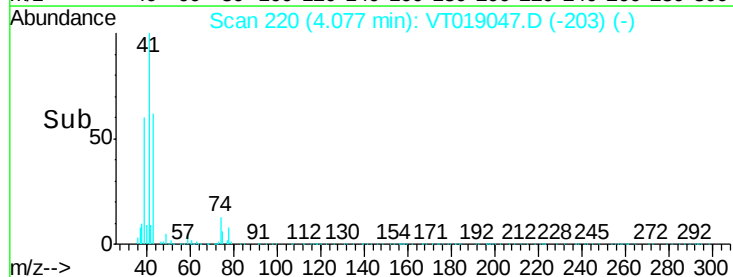
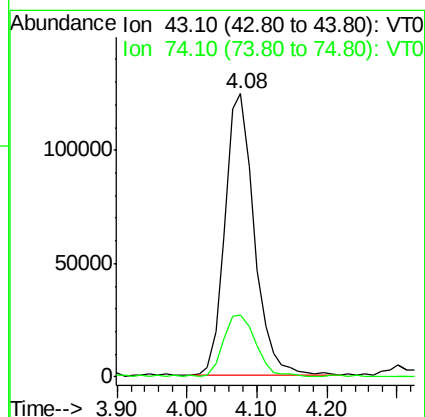
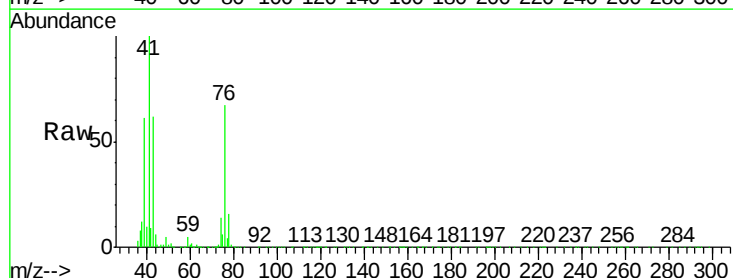
Instrument :
MSVOA_T
ClientSampleId :
ICVVT050818

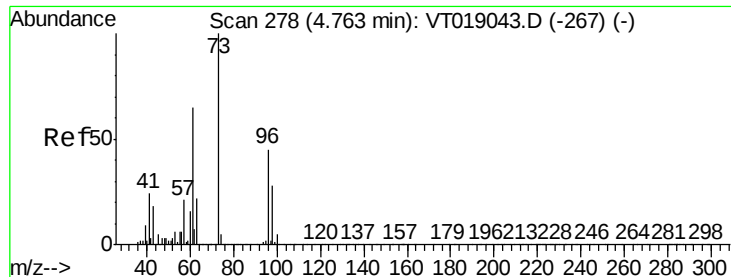
Tot Ion: 76 Resp: 2703678
Ion Ratio Lower Upper
76 100
78 9.4 19.8 29.8#



#18
Methyl Acetate
Concen: 47.79 ug/l
RT: 4.08 min Scan# 220
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

Tgt Ion: 43 Resp: 362240
Ion Ratio Lower Upper
43 100
74 21.9 19.8 29.8



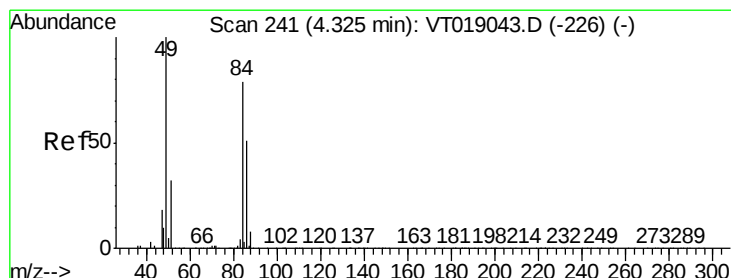
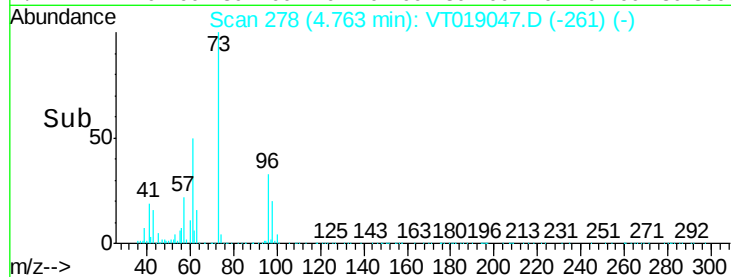
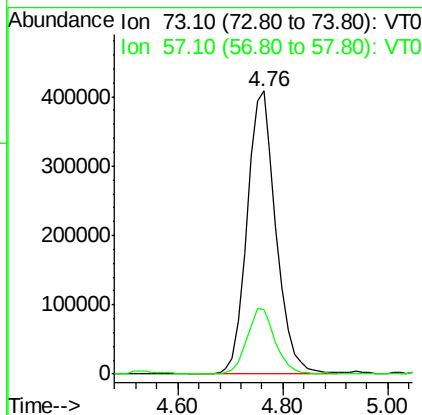
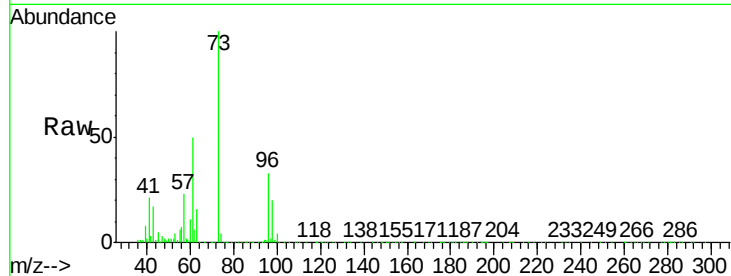


#19

Methyl tert-butyl Ether
 Concen: 52.25 ug/l
 RT: 4.76 min Scan# 278
 Delta R.T. -0.00 min
 Lab File: VT019047.D
 Acq: 9 May 2018 00:58

Instrument :
 MSVOA_T
 ClientSampleId :
 ICVVT050818

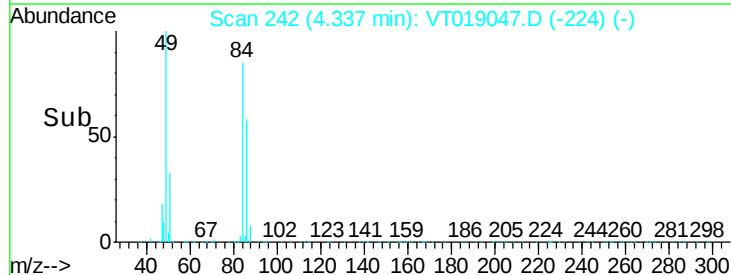
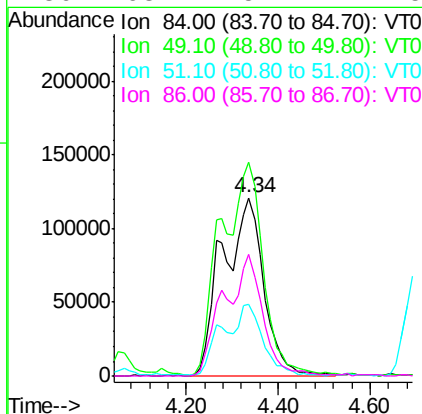
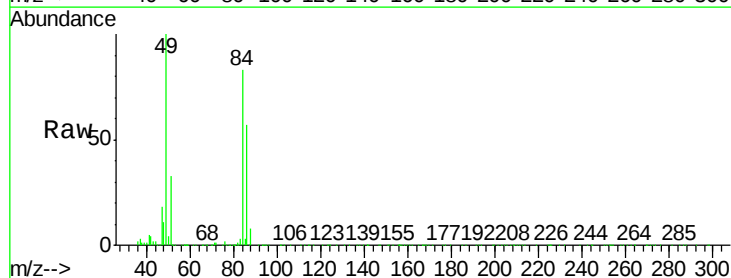
Tot Ion: 73 Resp: 1563029
 Ion Ratio Lower Upper
 73 100
 57 22.9 16.6 25.0

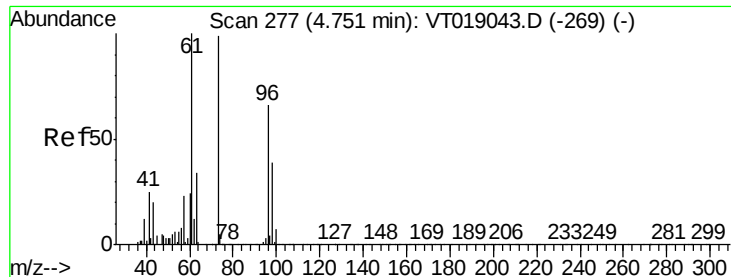


#20

Methylene Chloride
 Concen: 47.74 ug/l m
 RT: 4.34 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VT019047.D
 Acq: 9 May 2018 00:58

Tgt Ion: 84 Resp: 758736
 Ion Ratio Lower Upper
 84 100
 49 119.8 103.0 154.4
 51 40.0 33.3 49.9
 86 68.2 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 49.70 ug/l

RT: 4.74 min Scan# 276

Delta R.T. -0.01 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

ICVVT050818

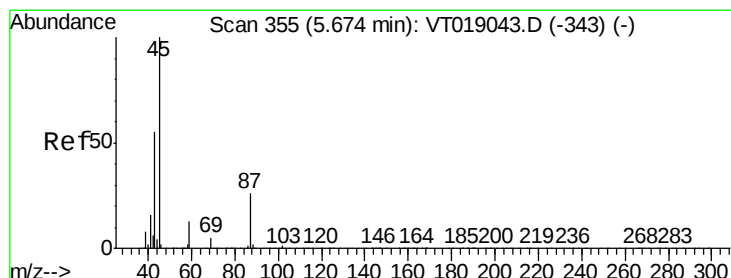
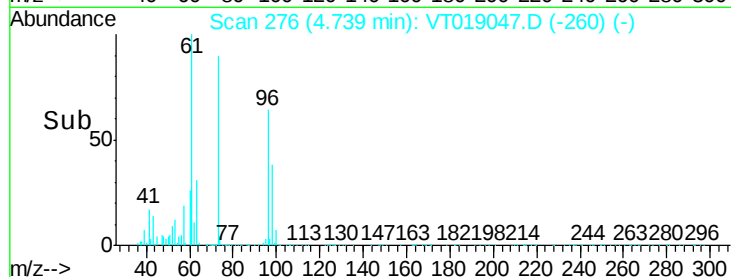
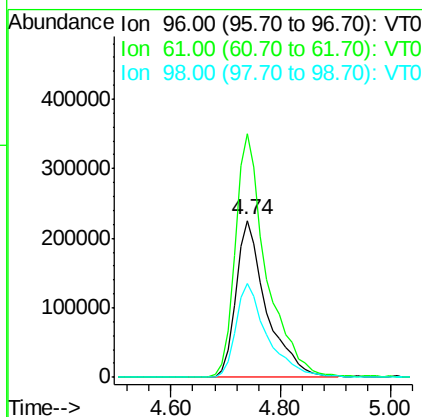
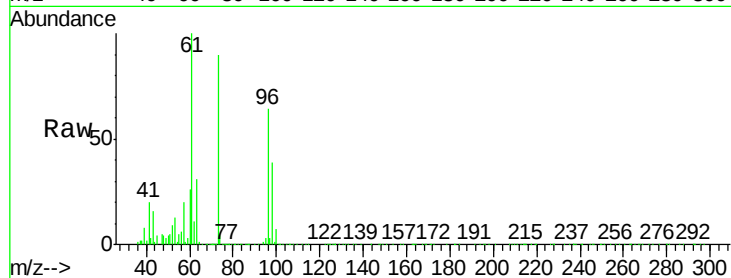
Tot Ion: 96 Resp: 875963

Ion Ratio Lower Upper

96 100

61 155.2 120.8 181.2

98 59.8 47.4 71.2



#22

Diisopropyl ether

Concen: 50.50 ug/l

RT: 5.67 min Scan# 355

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Tgt Ion: 45 Resp: 2412694

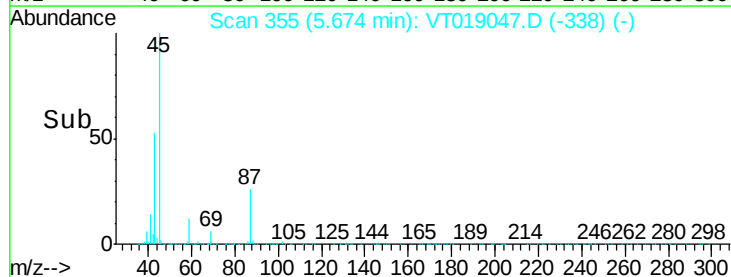
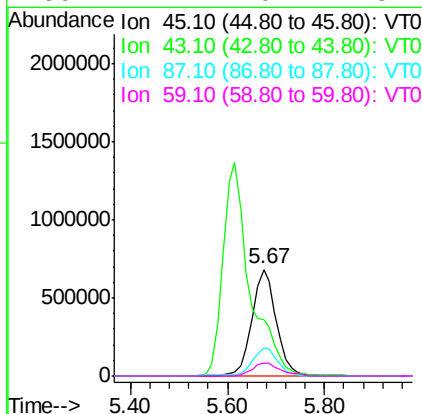
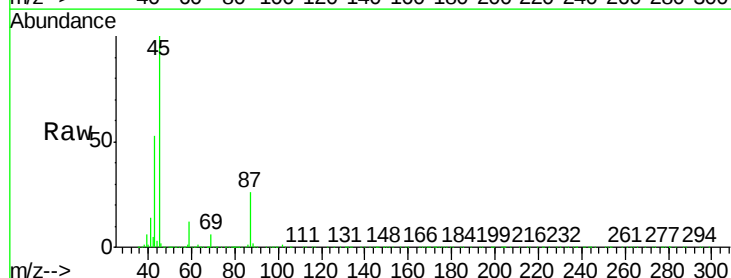
Ion Ratio Lower Upper

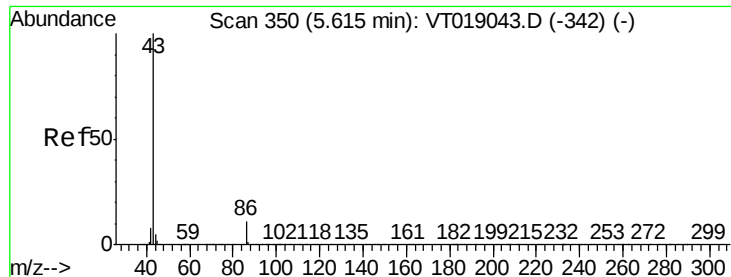
45 100

43 53.0 43.8 65.6

87 26.1 20.8 31.2

59 12.2 10.2 15.4





#23

Vinyl Acetate

Concen: 250.57 ug/l

RT: 5.61 min Scan# 350

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

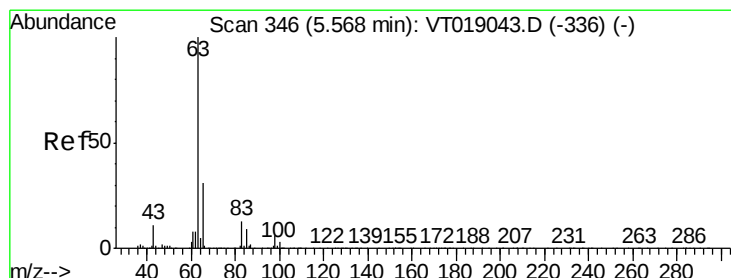
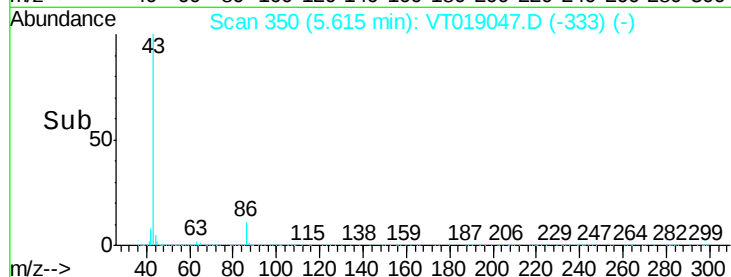
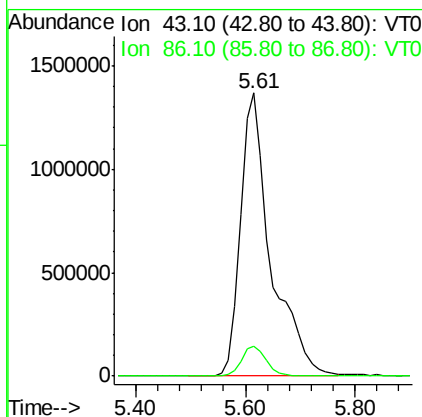
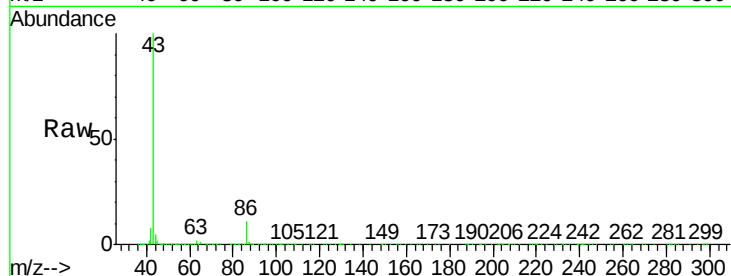
ICVVT050818

Tot Ion: 43 Resp: 5313153

Ion Ratio Lower Upper

43 100

86 10.7 8.6 13.0



#24

1,1-Dichloroethane

Concen: 49.23 ug/l

RT: 5.56 min Scan# 345

Delta R.T. -0.01 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

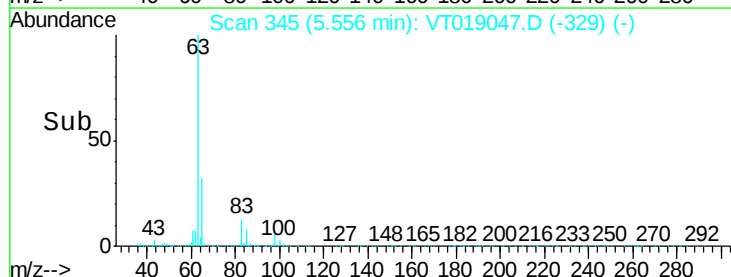
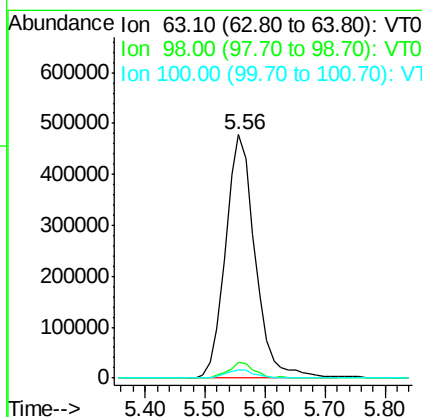
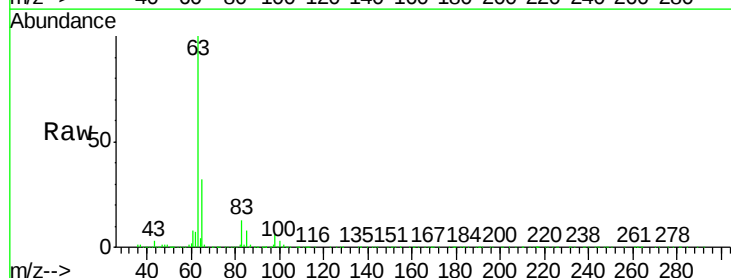
Tgt Ion: 63 Resp: 1644423

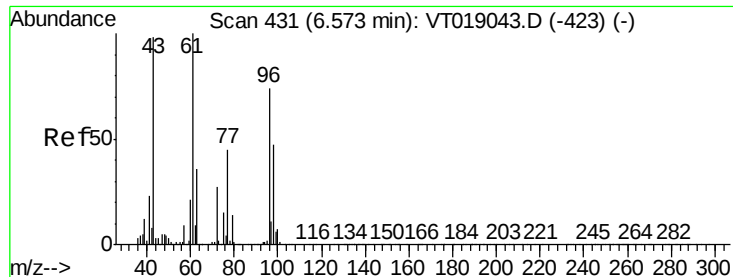
Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.4

100 3.4 1.7 5.1





#25

2-Butanone

Concen: 237.42 ug/l

RT: 6.57 min Scan# 431

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

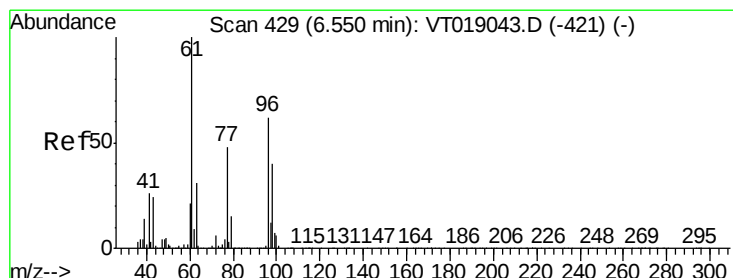
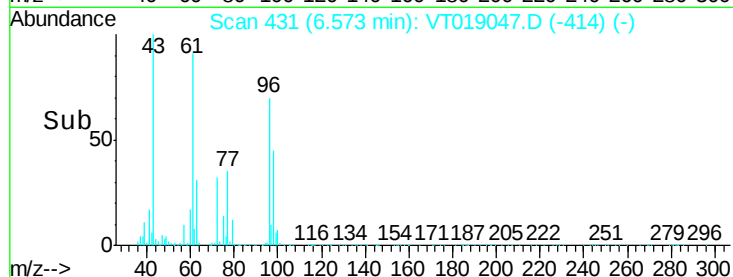
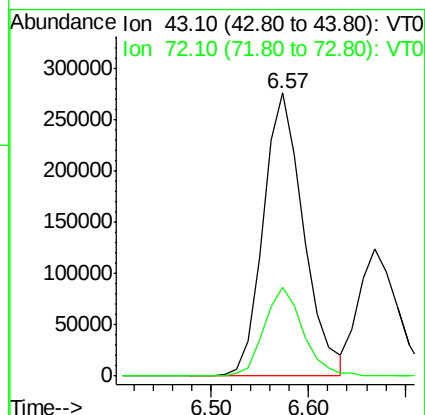
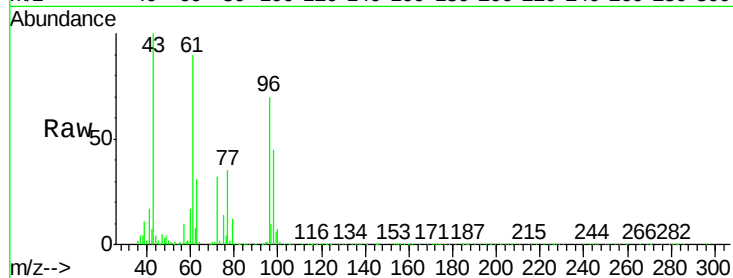
ICVVT050818

Tot Ion: 43 Resp: 788894

Ion Ratio Lower Upper

43 100

72 31.6 22.1 33.1



#26

2,2-Dichloropropane

Concen: 44.33 ug/l

RT: 6.55 min Scan# 429

Delta R.T. -0.00 min

Lab File: VT019047.D

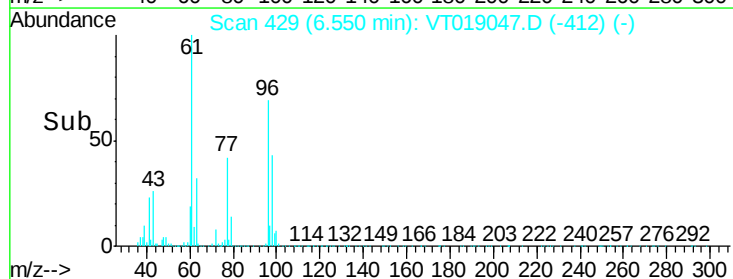
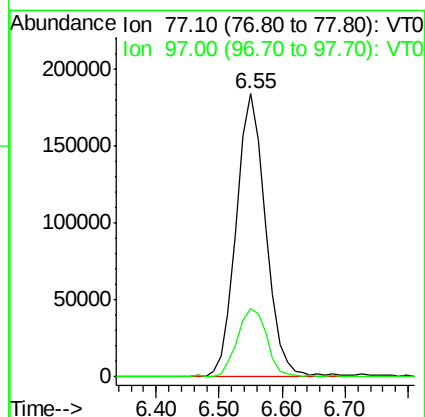
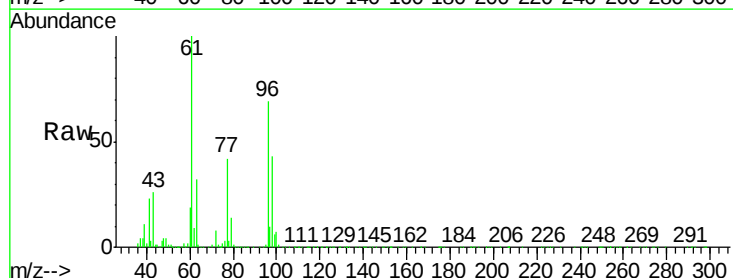
Acq: 9 May 2018 00:58

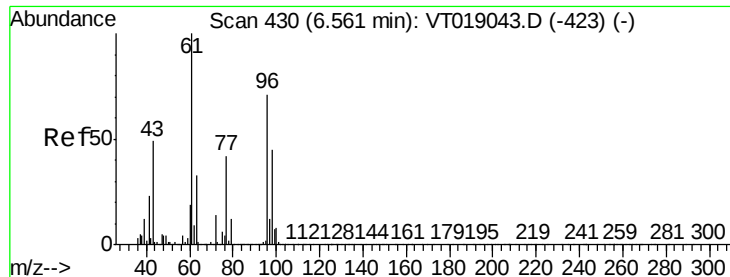
Tgt Ion: 77 Resp: 597409

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 51.66 ug/l

RT: 6.55 min Scan# 429

Delta R.T. -0.01 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

ICVVT050818

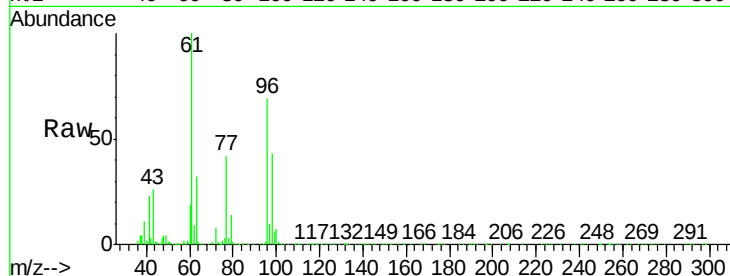
Tot Ion: 96 Resp: 894481

Ion Ratio Lower Upper

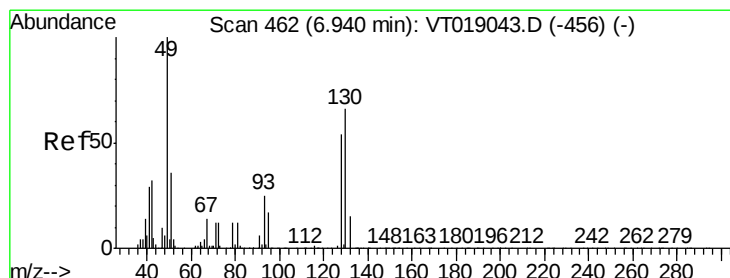
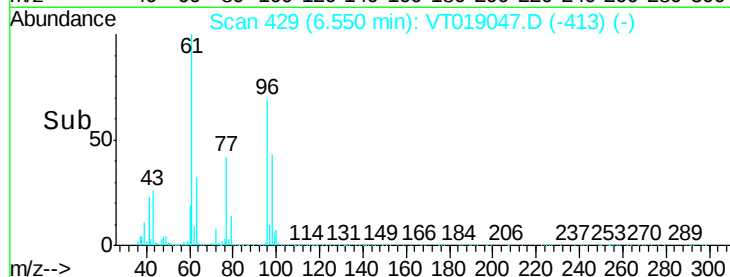
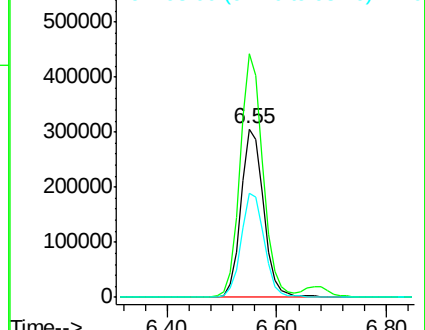
96 100

61 144.3 0.0 282.0

98 61.6 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: 48.08 ug/l

RT: 6.94 min Scan# 462

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

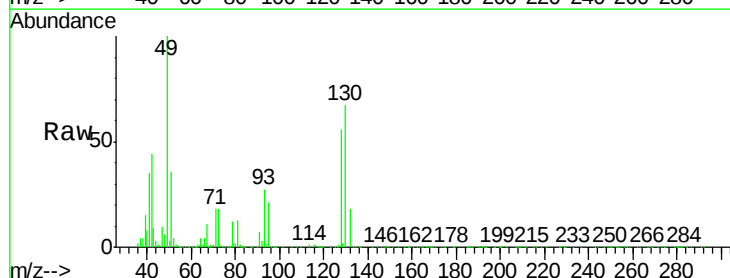
Tgt Ion: 49 Resp: 533244

Ion Ratio Lower Upper

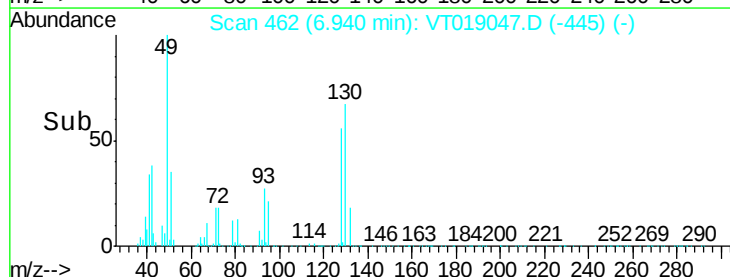
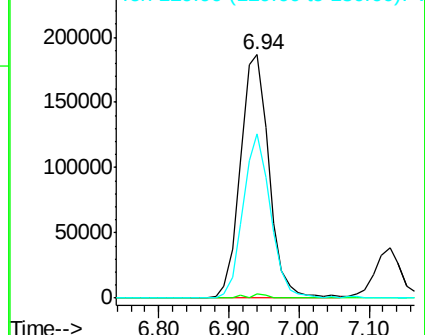
49 100

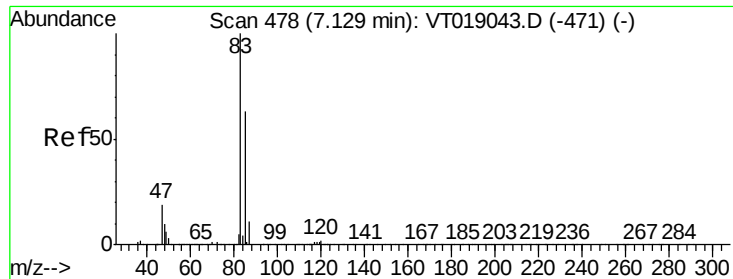
129 1.6 0.0 3.8

130 67.2 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

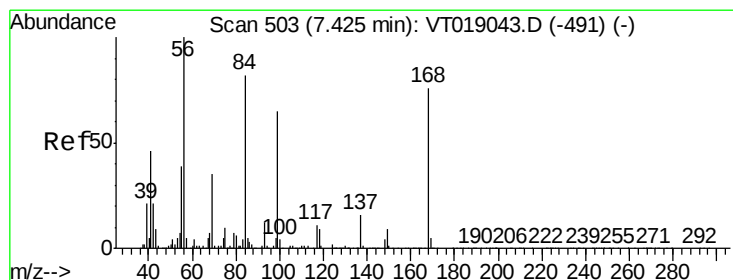
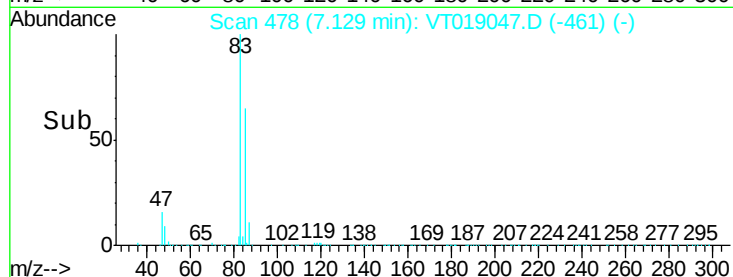
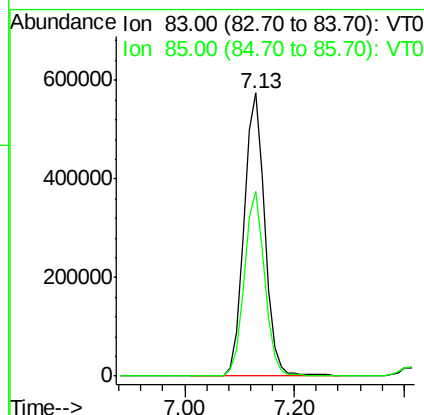
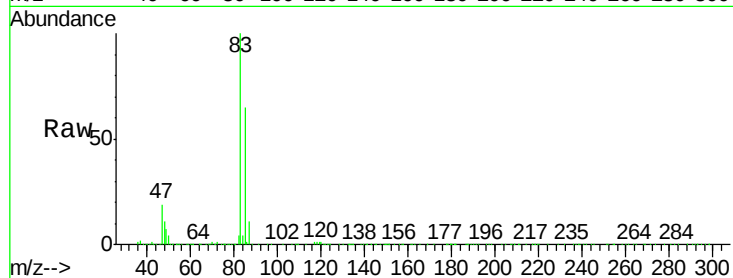




#29
Chloroform
Concen: 48.96 ug/l
RT: 7.13 min Scan# 478
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

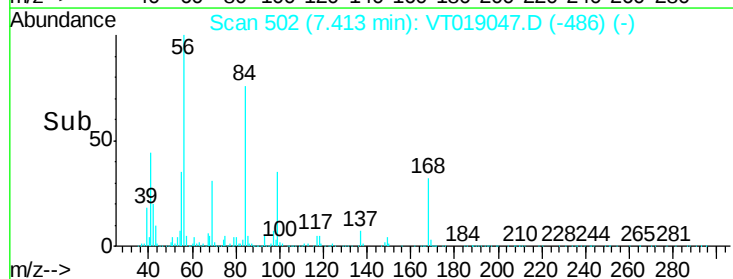
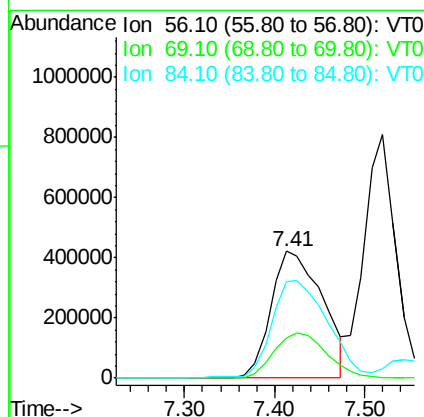
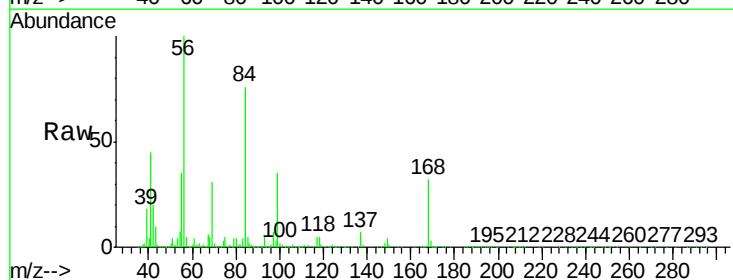
Instrument :
MSVOA_T
ClientSampleId :
ICVVT050818

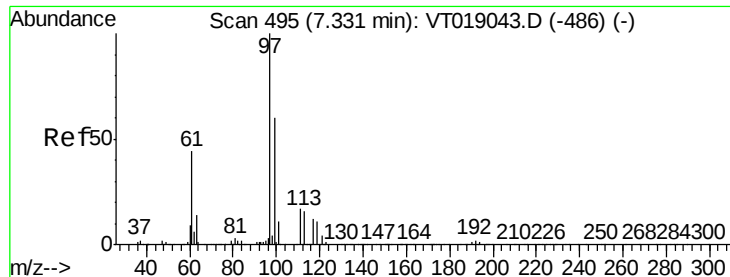
Tot Ion: 83 Resp: 1530560
Ion Ratio Lower Upper
83 100
85 65.4 50.6 76.0



#30
Cyclohexane
Concen: 46.60 ug/l
RT: 7.41 min Scan# 502
Delta R.T. -0.01 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

Tgt Ion: 56 Resp: 1687133
Ion Ratio Lower Upper
56 100
69 31.3 28.2 42.2
84 76.2 65.6 98.4





#31

1,1,1-Trichloroethane

Concen: 48.19 ug/l

RT: 7.33 min Scan# 495

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

ICVVT050818

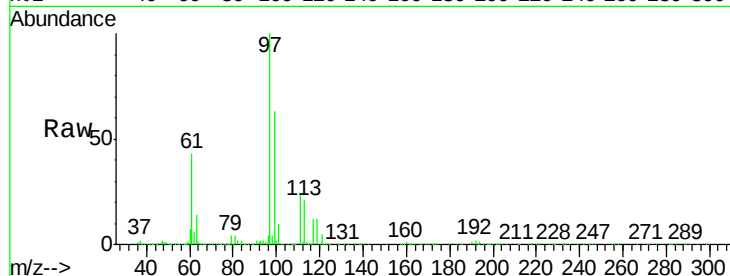
Tot Ion: 97 Resp: 1163892

Ion Ratio Lower Upper

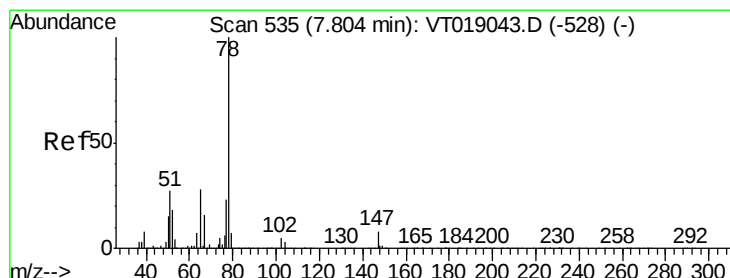
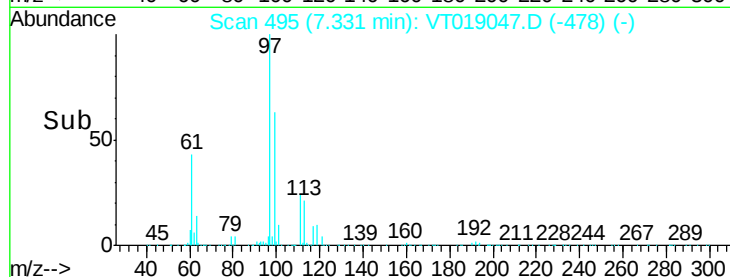
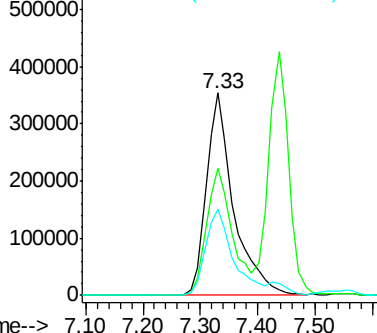
97 100

99 62.6 47.6 71.4

61 42.5 35.3 52.9



Abundance Ion 97.00 (96.70 to 97.70): VT0
Ion 99.00 (98.70 to 99.70): VT0
Ion 61.00 (60.70 to 61.70): VT0



#32

1,2-Dichloroethane-d4

Concen: 48.78 ug/l

RT: 7.80 min Scan# 535

Delta R.T. -0.00 min

Lab File: VT019047.D

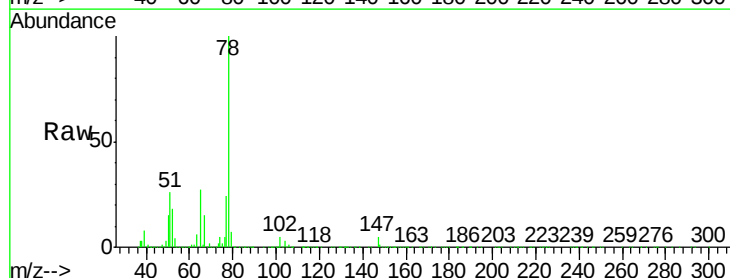
Acq: 9 May 2018 00:58

Tgt Ion: 65 Resp: 678039

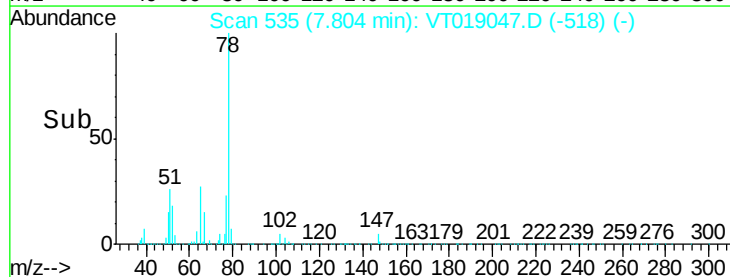
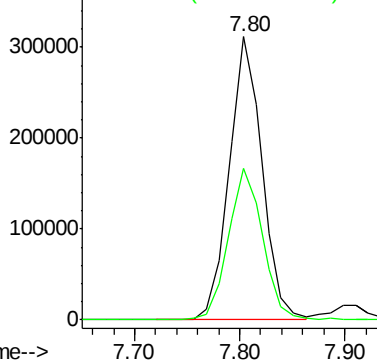
Ion Ratio Lower Upper

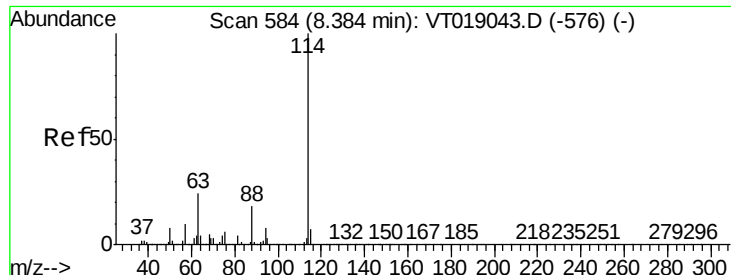
65 100

67 53.4 0.0 114.2



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

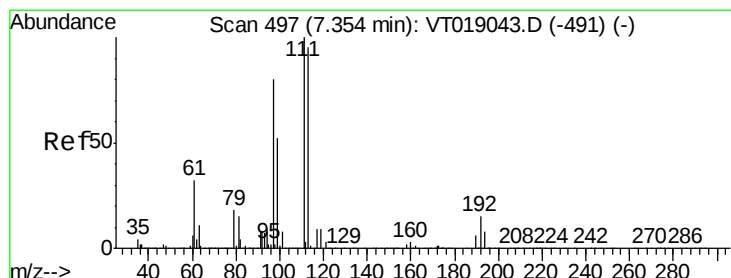
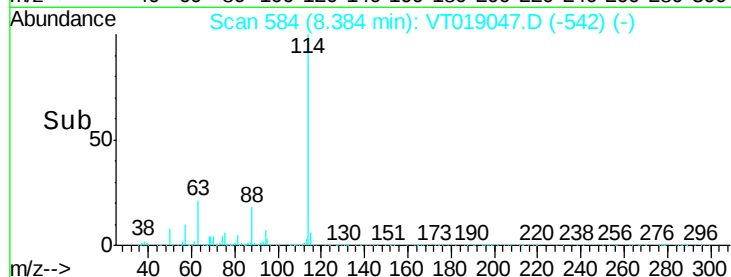
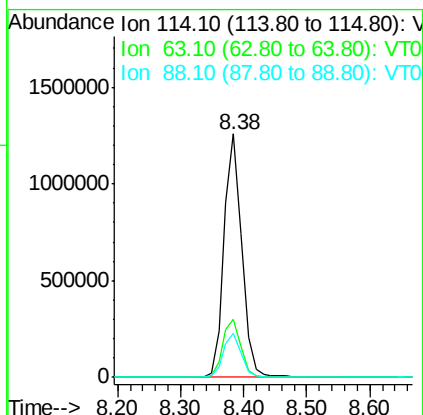
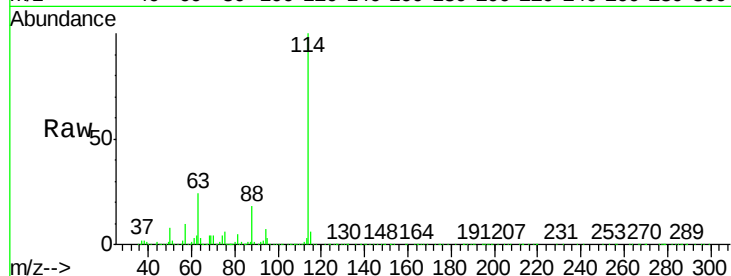




#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.38 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: VT019047.D
 Acq: 9 May 2018 00:58

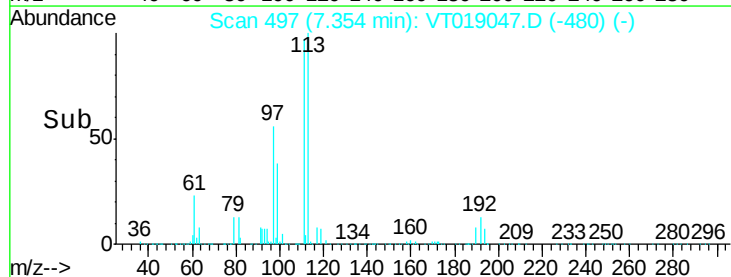
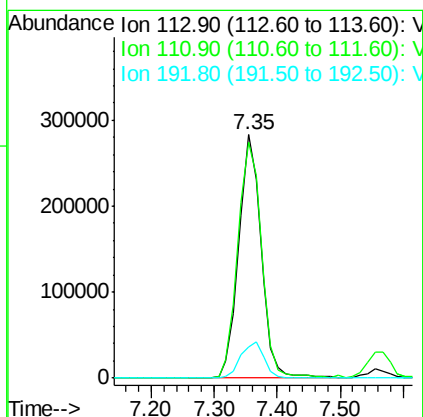
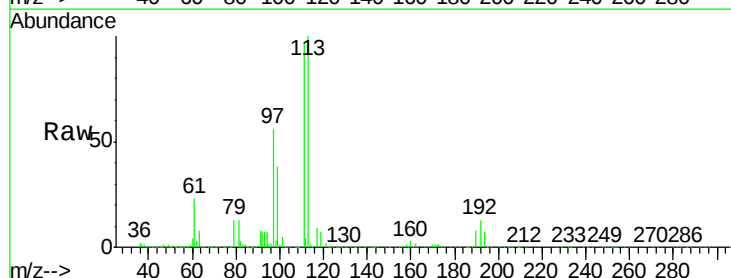
Instrument :
 MSVOA_T
 ClientSampleId :
 ICVVT050818

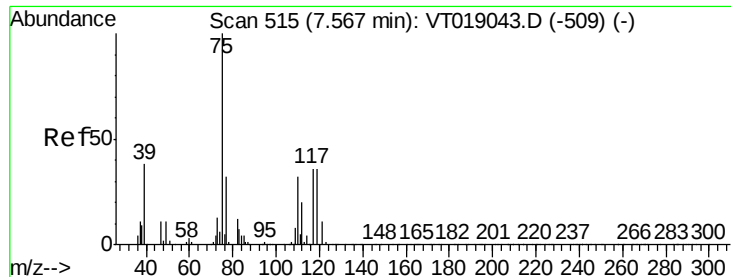
Tot Ion:114 Resp: 2462495
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 48.8
 88 18.1 0.0 37.0



#34
 Dibromofluoromethane
 Concen: 50.53 ug/l
 RT: 7.35 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VT019047.D
 Acq: 9 May 2018 00:58

Tgt Ion:113 Resp: 696736
 Ion Ratio Lower Upper
 113 100
 111 97.1 84.0 126.0
 192 12.9 12.9 19.3#





#35

1,1-Dichloropropene

Concen: 48.90 ug/l

RT: 7.56 min Scan# 514

Delta R.T. -0.01 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

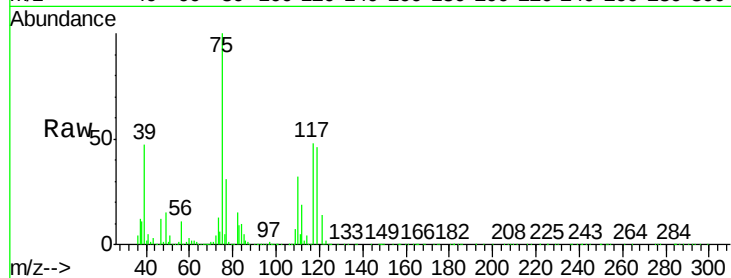
MSVOA_T

ClientSampleId :

ICVVT050818

Tot Ion: 75 Resp: 1387307

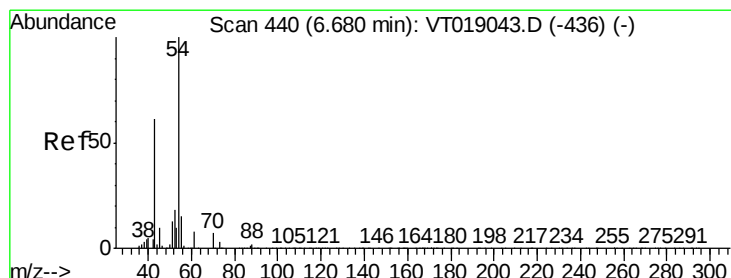
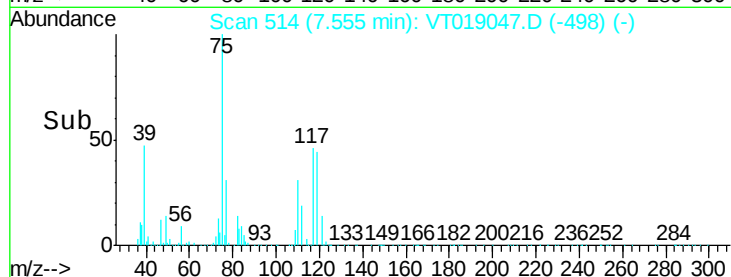
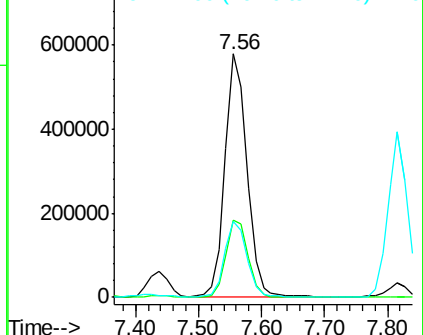
Ion	Ratio	Lower	Upper
75	100		
110	31.7	15.9	47.6
77	31.4	25.9	38.9



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 110.00 (109.70 to 110.70): VT0

Ion 77.00 (76.70 to 77.70): VT0



#36

Ethyl Acetate

Concen: 46.94 ug/l

RT: 6.67 min Scan# 439

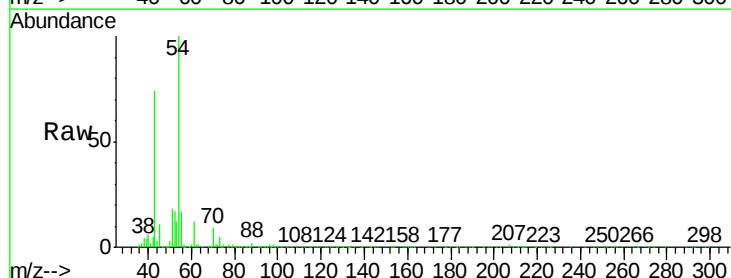
Delta R.T. -0.01 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Tgt Ion: 43 Resp: 343320

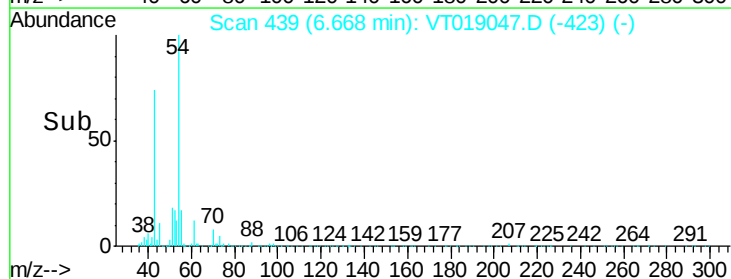
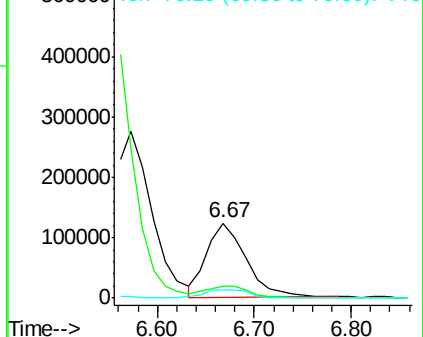
Ion	Ratio	Lower	Upper
43	100		
61	16.3	14.2	21.2
70	11.5	8.4	12.6

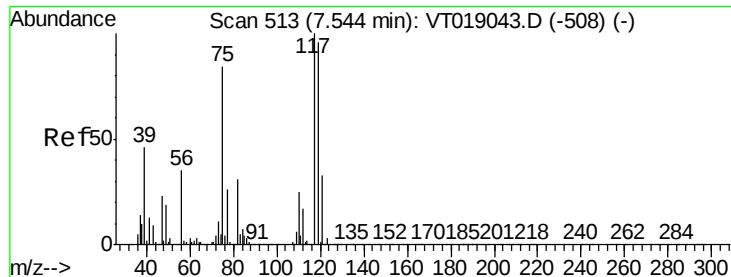


Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 61.10 (60.80 to 61.80): VT0

Ion 70.10 (69.80 to 70.80): VT0





#37

Carbon Tetrachloride

Concen: 47.26 ug/l

RT: 7.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

ICVVT050818

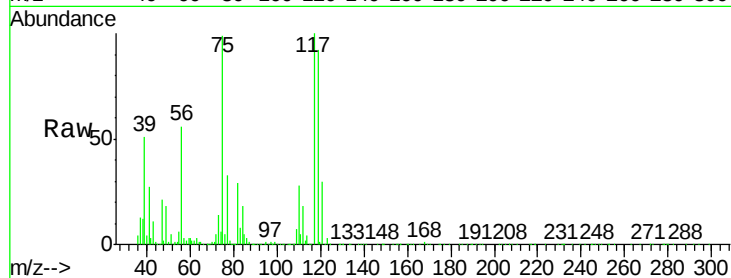
Tot Ion:117 Resp: 1095987

Ion Ratio Lower Upper

117 100

119 91.8 76.5 114.7

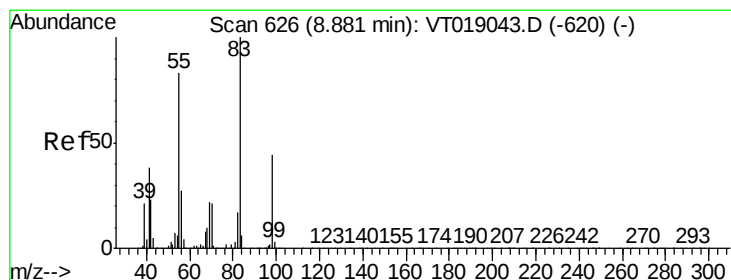
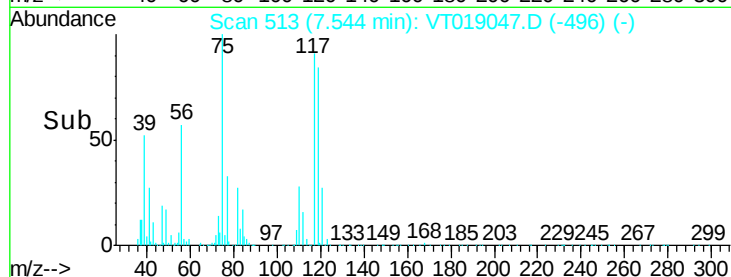
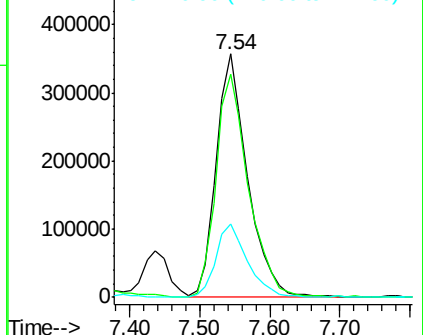
121 30.3 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

Ion 120.90 (120.60 to 121.60): V



#38

Methylcyclohexane

Concen: 51.51 ug/l

RT: 8.88 min Scan# 626

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

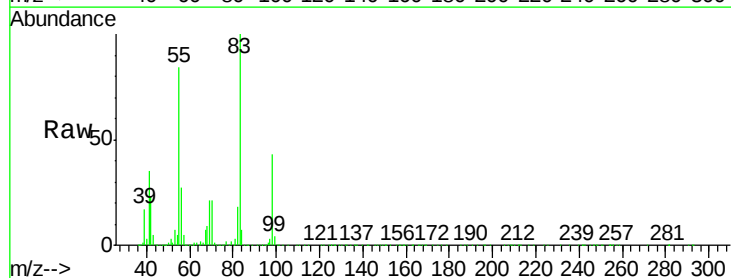
Tgt Ion: 83 Resp: 1744743

Ion Ratio Lower Upper

83 100

55 83.8 66.7 100.1

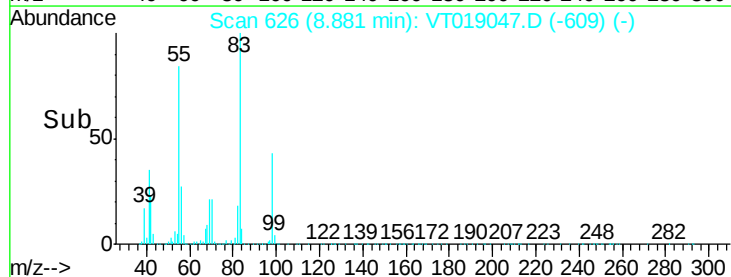
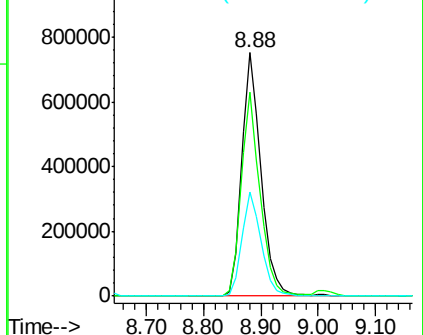
98 42.7 35.5 53.3

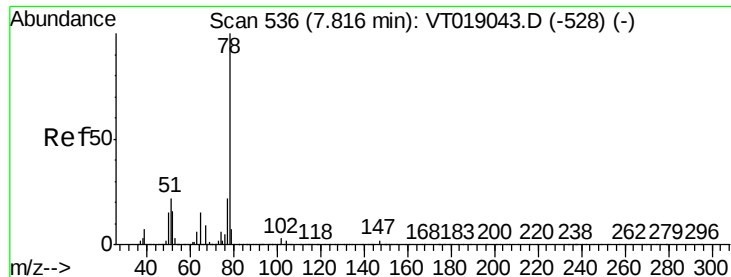


Abundance Ion 83.10 (82.80 to 83.80): VT0

Ion 55.10 (54.80 to 55.80): VT0

Ion 98.10 (97.80 to 98.80): VT0





#39

Benzene

Concen: 49.11 ug/l

RT: 7.82 min Scan# 536

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

ICVVT050818

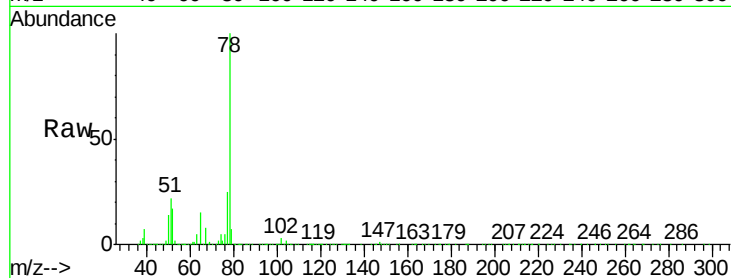
Tot Ion: 78 Resp: 3640528

Ion Ratio Lower Upper

78 100

77 24.5 18.0 27.0

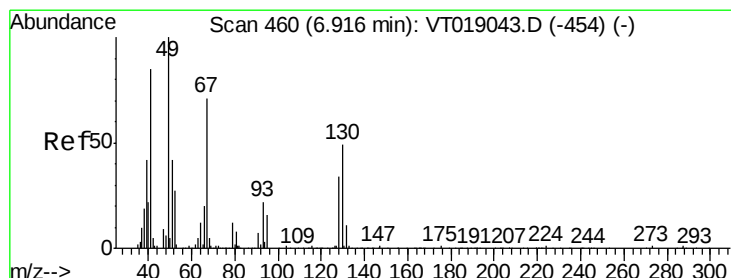
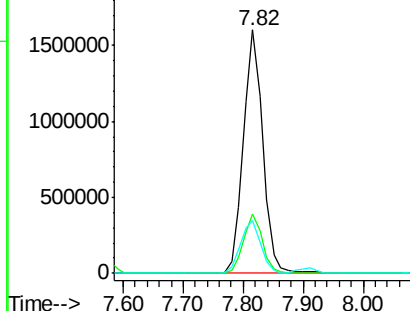
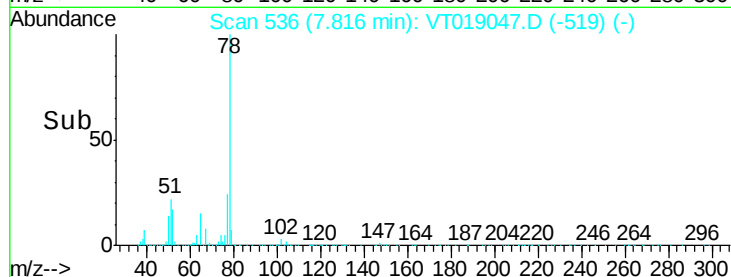
51 21.9 17.3 25.9



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: 46.74 ug/l

RT: 6.92 min Scan# 460

Delta R.T. 0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Tgt Ion: 41 Resp: 188805

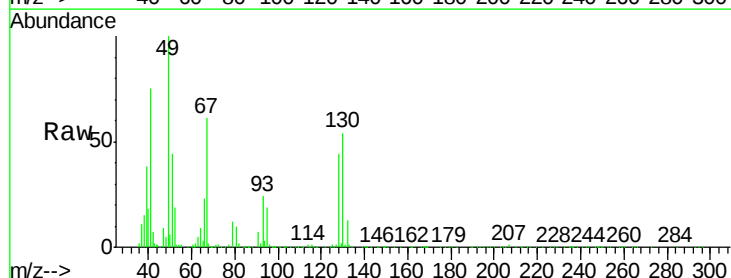
Ion Ratio Lower Upper

41 100

39 50.4 39.4 59.0

67 81.7 66.8 100.2

52 24.9 25.5 38.3#

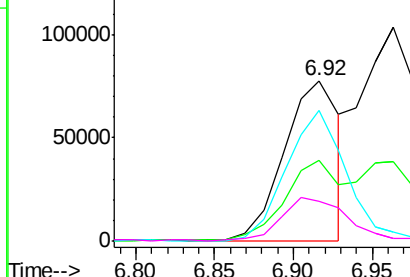
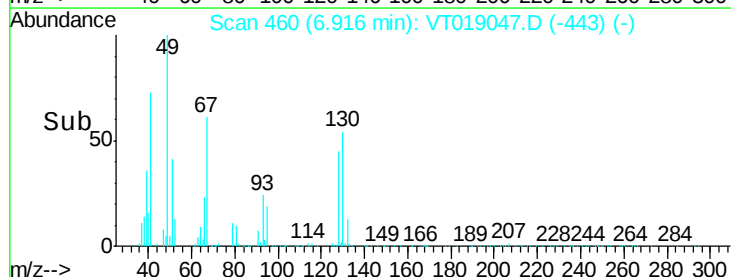


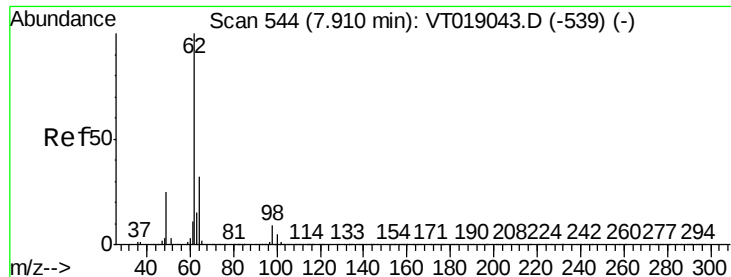
Abundance Ion 41.10 (40.80 to 41.80): VT0

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: 46.98 ug/l

RT: 7.91 min Scan# 544

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

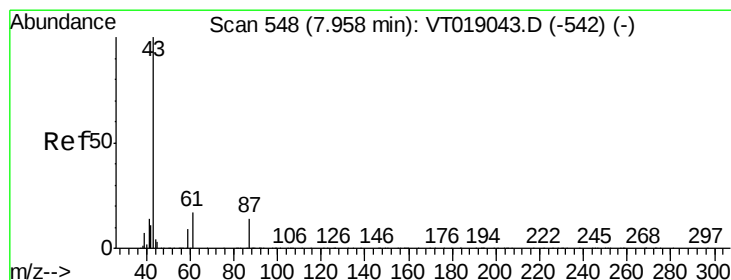
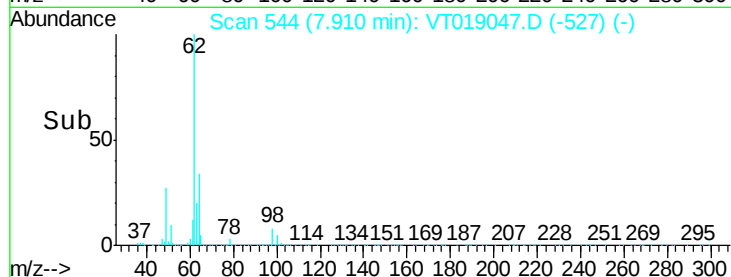
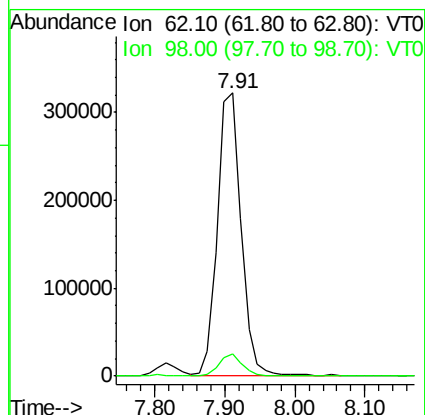
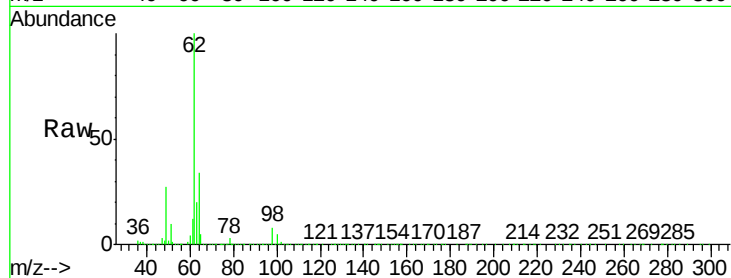
ICVVT050818

Tot Ion: 62 Resp: 756502

Ion Ratio Lower Upper

62 100

98 7.9 0.0 17.4



#42

Isopropyl Acetate

Concen: 50.37 ug/l

RT: 7.96 min Scan# 548

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

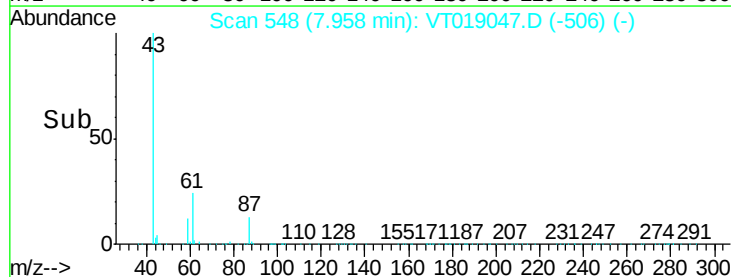
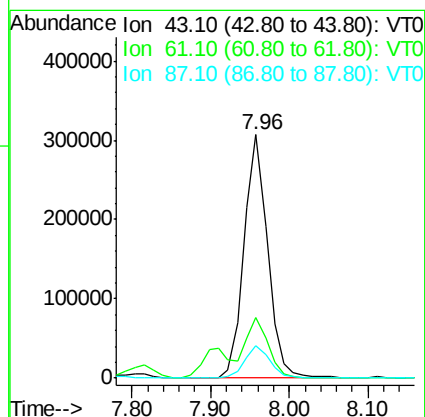
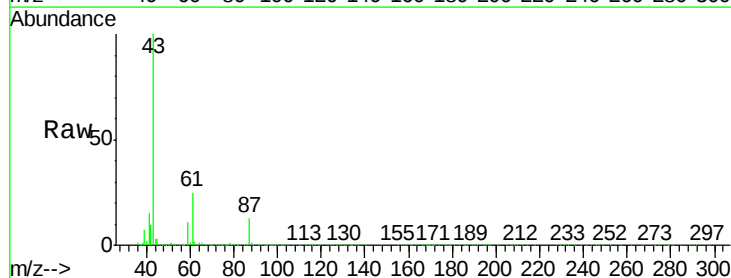
Tgt Ion: 43 Resp: 634260

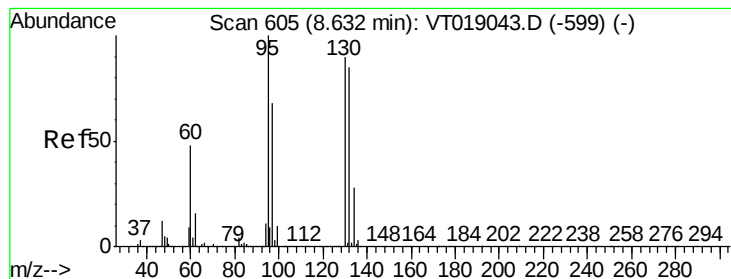
Ion Ratio Lower Upper

43 100

61 24.6 17.9 26.9

87 13.4 11.0 16.6





#43

Trichloroethene

Concen: 48.06 ug/l

RT: 8.63 min Scan# 605

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

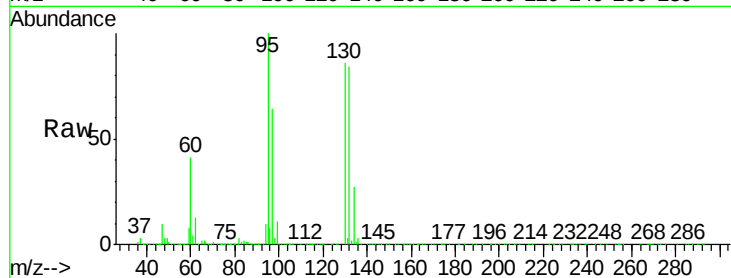
ICVVT050818

Tot Ion:130 Resp: 819491

Ion Ratio Lower Upper

130 100

95 116.5 0.0 222.6



Abundance Ion 129.90 (129.60 to 130.60): VT0

Ion 95.00 (94.70 to 95.70): VT0

8.63

500000

400000

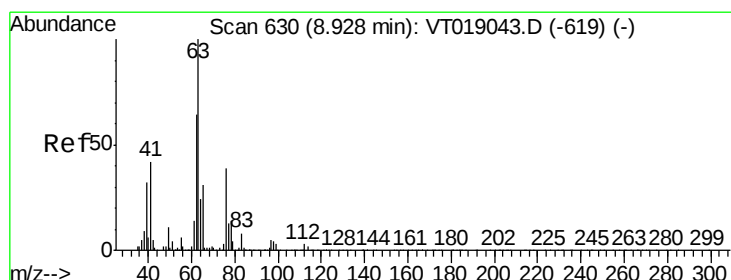
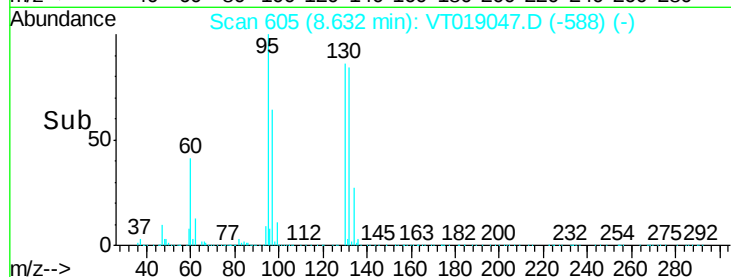
300000

200000

100000

0

Time-->



#44

1,2-Dichloropropane

Concen: 48.53 ug/l

RT: 8.92 min Scan# 629

Delta R.T. -0.01 min

Lab File: VT019047.D

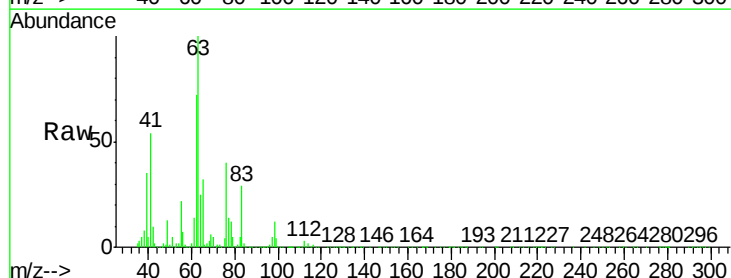
Acq: 9 May 2018 00:58

Tgt Ion: 63 Resp: 843431

Ion Ratio Lower Upper

63 100

65 31.8 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

400000

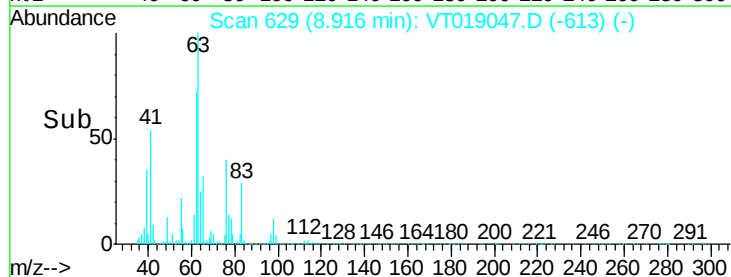
300000

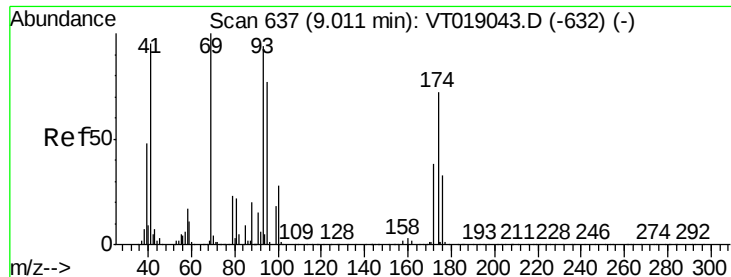
200000

100000

0

Time-->

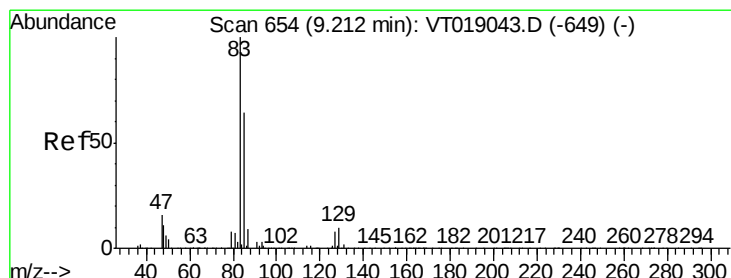
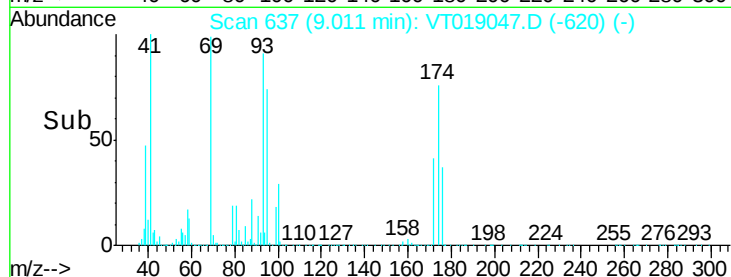
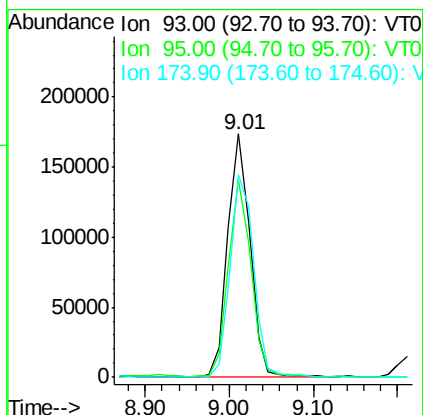
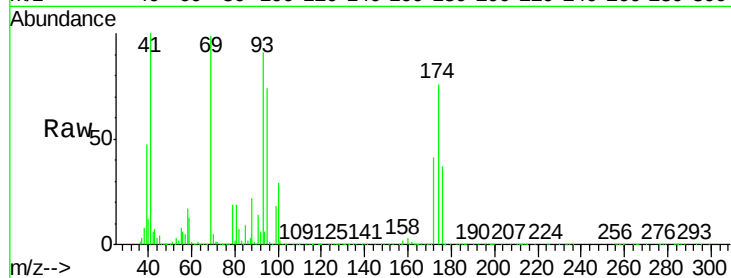




#45
Dibromomethane
Concen: 46.88 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

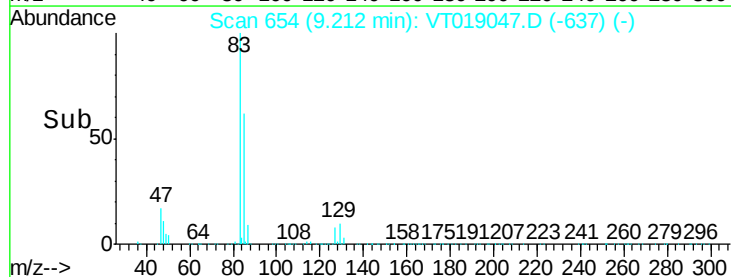
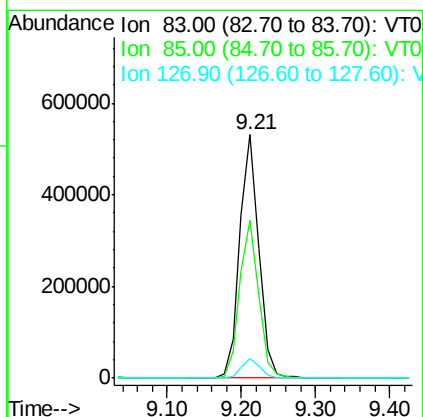
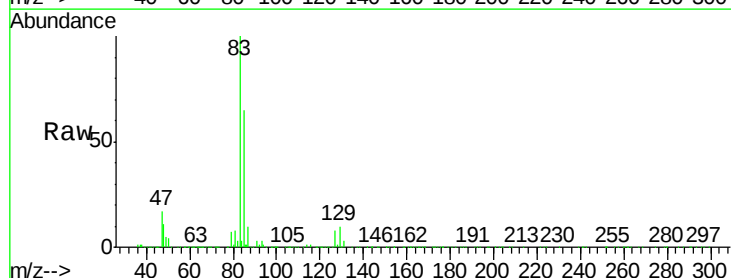
Instrument :
MSVOA_T
ClientSampleId :
ICVVT050818

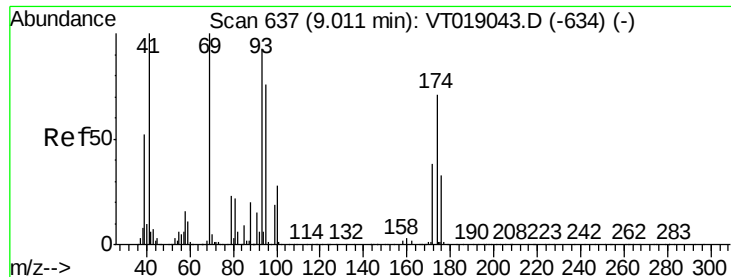
Tot Ion: 93 Resp: 320315
Ion Ratio Lower Upper
93 100
95 81.2 65.5 98.3
174 83.0 60.9 91.3



#46
Bromodichloromethane
Concen: 48.30 ug/l
RT: 9.21 min Scan# 654
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

Tgt Ion: 83 Resp: 958950
Ion Ratio Lower Upper
83 100
85 65.0 51.3 76.9
127 7.8 6.1 9.1

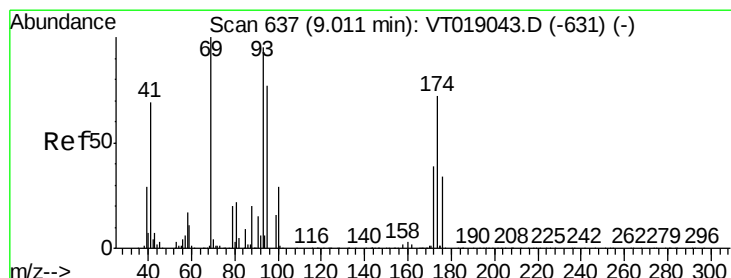
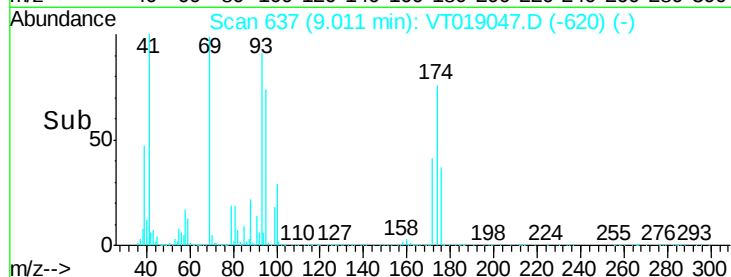
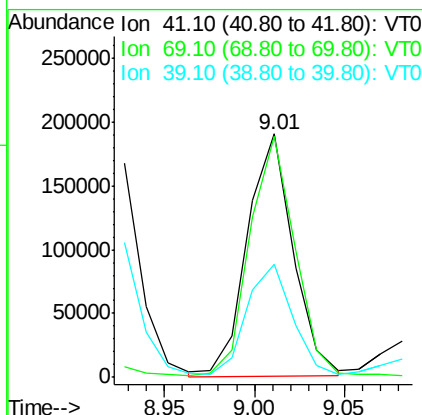
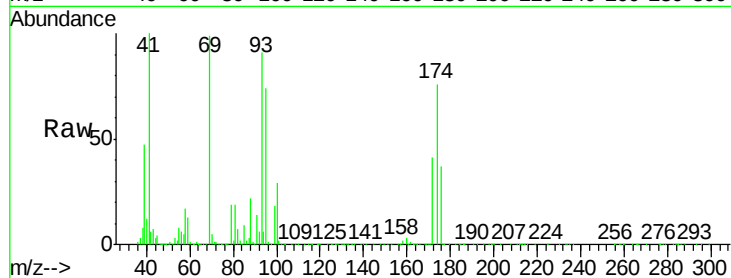




#47
Methvl methacrilate
Concen: 51.61 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

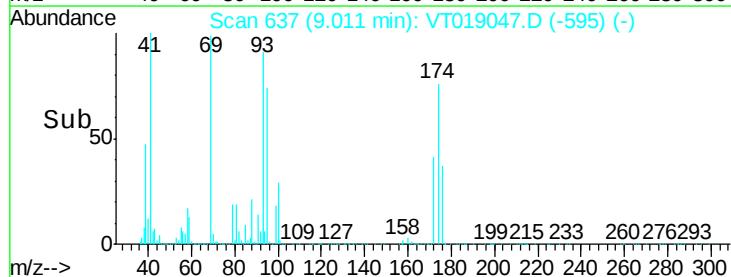
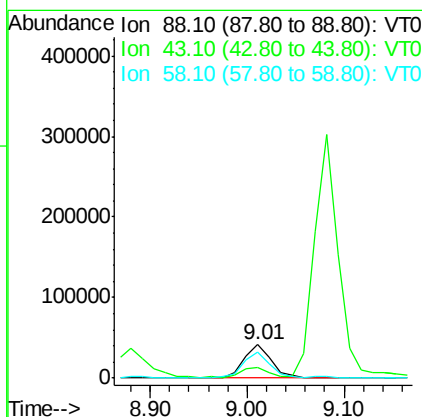
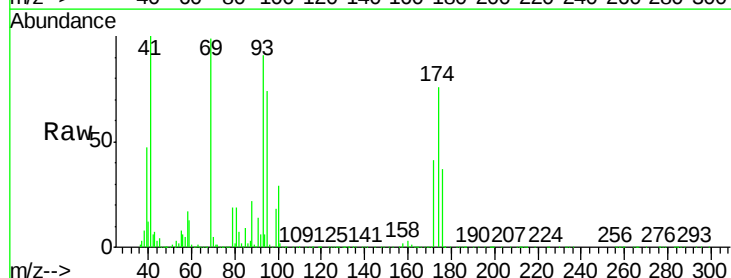
Instrument :
MSVOA_T
ClientSampleId :
ICVVT050818

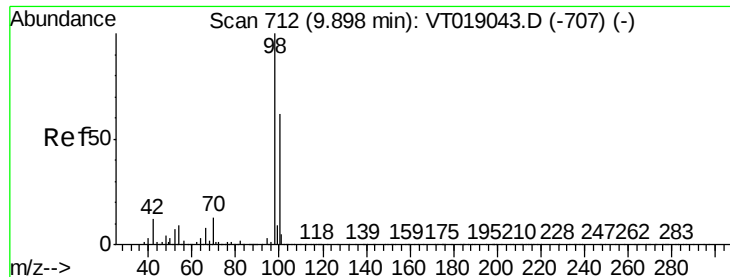
Tot Ion: 41 Resp: 335904
Ion Ratio Lower Upper
41 100
69 98.9 78.4 117.6
39 46.7 41.4 62.2



#48
1,4-Dioxane
Concen: 1044.71 ug/l
RT: 9.01 min Scan# 637
Delta R.T. 0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

Tgt Ion: 88 Resp: 82032
Ion Ratio Lower Upper
88 100
43 31.3 30.5 45.7
58 77.8 67.5 101.3





#49

Toluene-d8

Concen: 52.08 ug/l

RT: 9.90 min Scan# 712

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

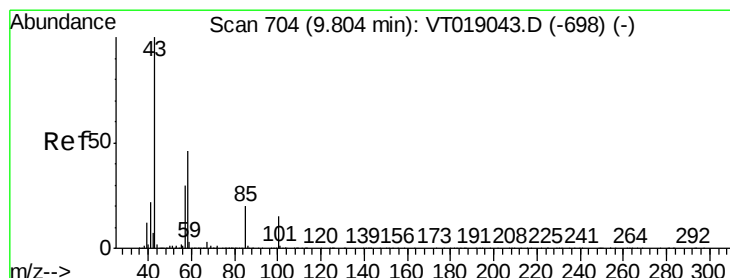
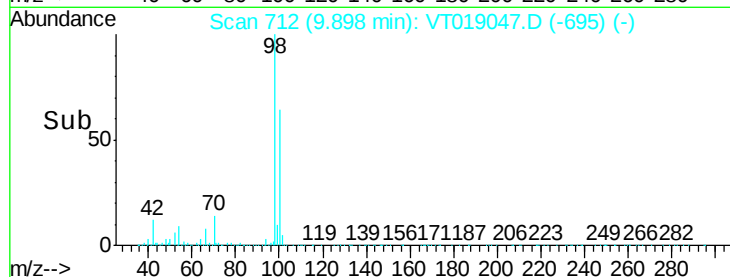
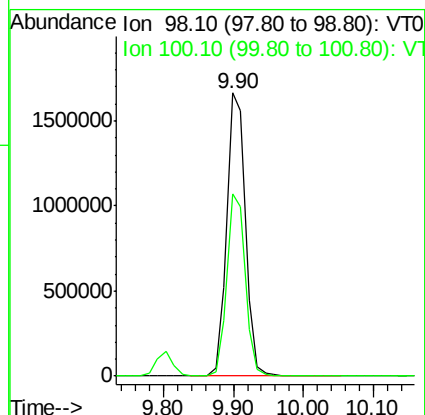
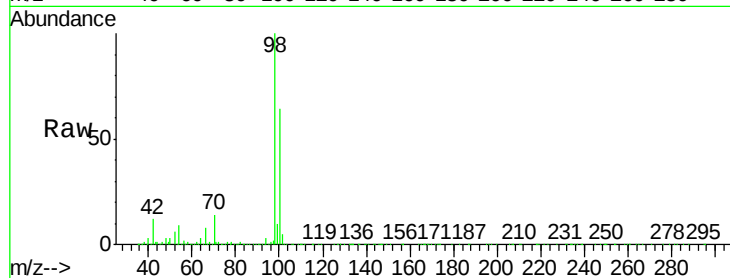
ICVVT050818

Tot Ion: 98 Resp: 3081009

Ion Ratio Lower Upper

98 100

100 64.3 50.0 75.0



#50

4-Methyl-2-Pentanone

Concen: 252.75 ug/l

RT: 9.80 min Scan# 704

Delta R.T. -0.00 min

Lab File: VT019047.D

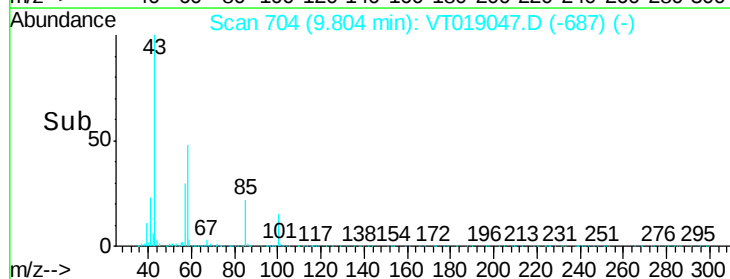
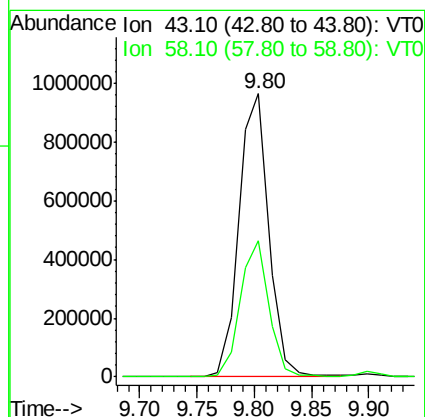
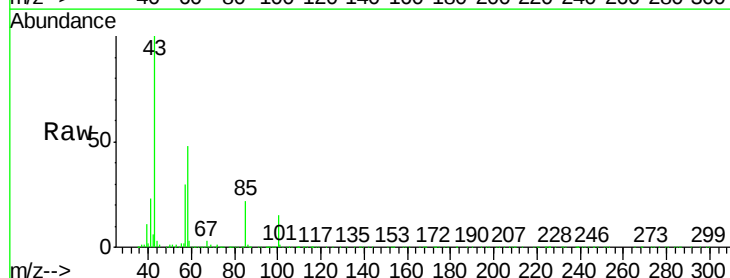
Acq: 9 May 2018 00:58

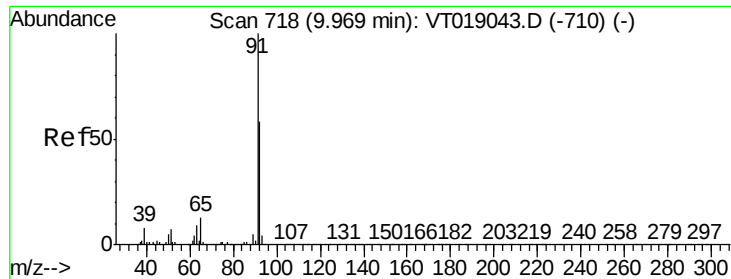
Tgt Ion: 43 Resp: 1745167

Ion Ratio Lower Upper

43 100

58 48.0 36.6 54.8





#51

Toluene

Concen: 50.11 ug/l

RT: 9.97 min Scan# 718

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

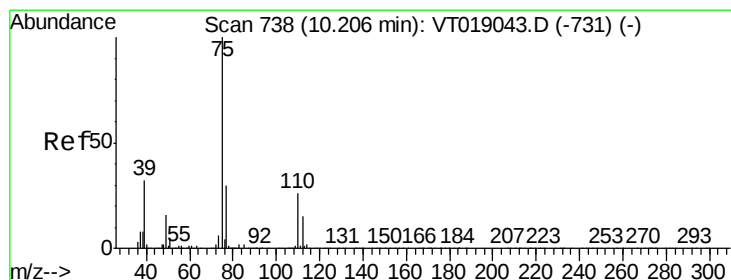
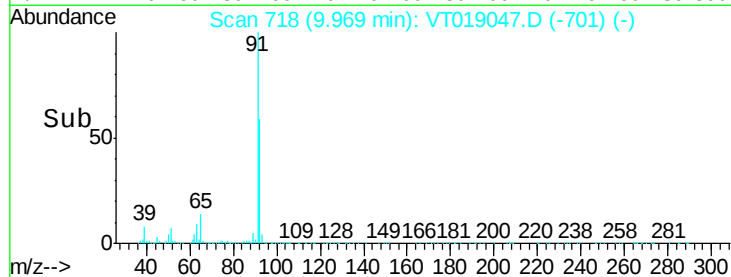
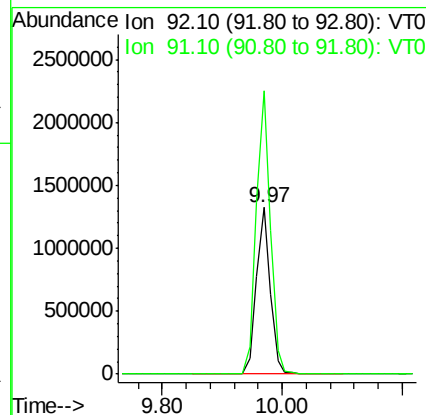
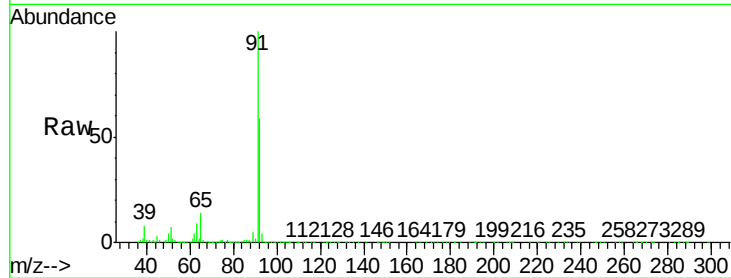
ICVVT050818

Tot Ion: 92 Resp: 2147044

Ion Ratio Lower Upper

92 100

91 169.8 137.8 206.6



#52

t-1,3-Dichloropropene

Concen: 49.40 ug/l

RT: 10.19 min Scan# 737

Delta R.T. -0.01 min

Lab File: VT019047.D

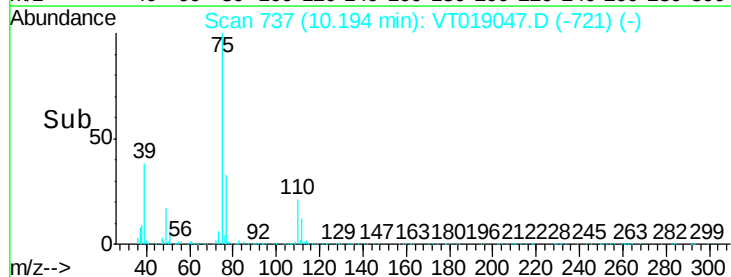
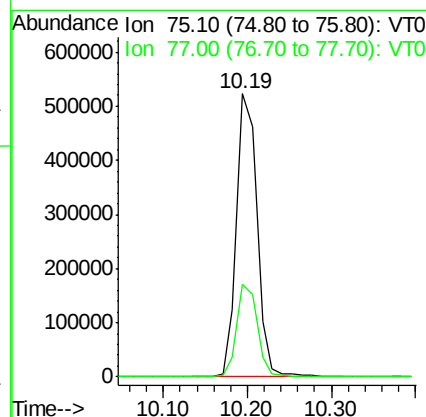
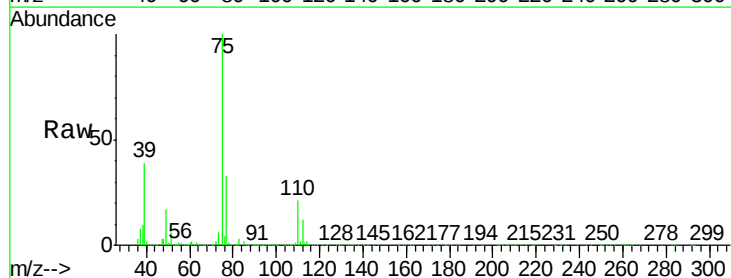
Acq: 9 May 2018 00:58

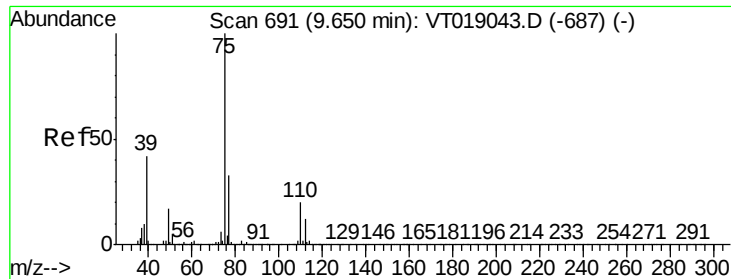
Tgt Ion: 75 Resp: 891938

Ion Ratio Lower Upper

75 100

77 32.7 24.6 36.8





#53

cis-1,3-Dichloropropene

Concen: 51.00 ug/l

RT: 9.65 min Scan# 691

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

ICVVT050818

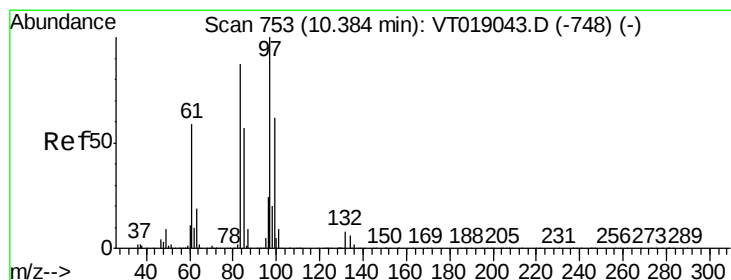
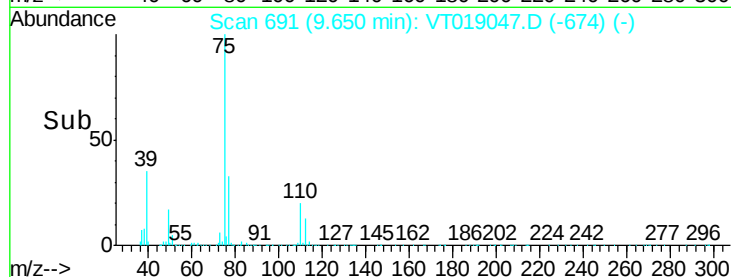
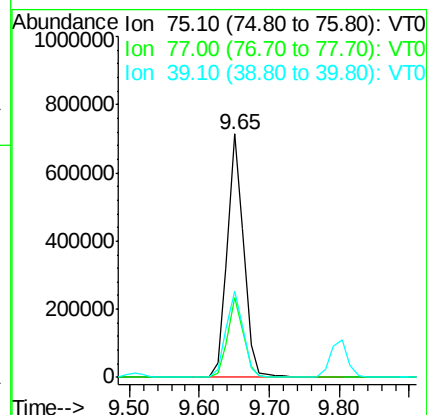
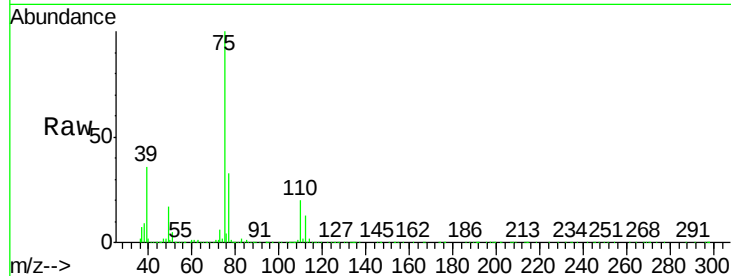
Tot Ion: 75 Resp: 1172795

Ion Ratio Lower Upper

75 100

77 32.8 26.6 39.8

39 35.7 34.1 51.1



#54

1,1,2-Trichloroethane

Concen: 47.51 ug/l

RT: 10.38 min Scan# 753

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Tgt Ion: 97 Resp: 492855

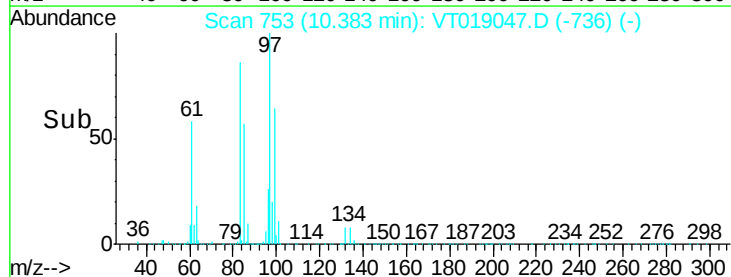
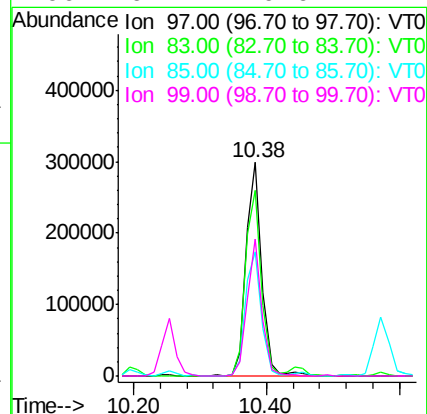
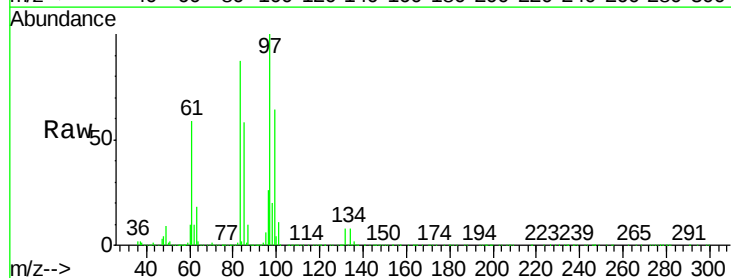
Ion Ratio Lower Upper

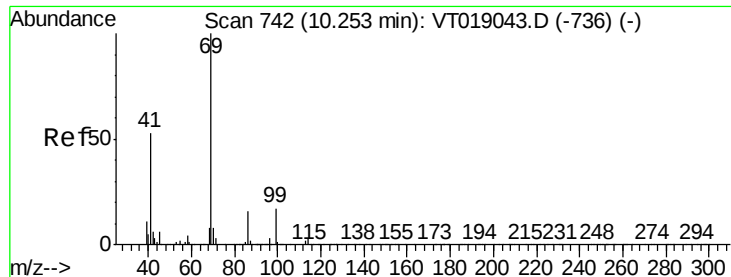
97 100

83 87.1 69.7 104.5

85 58.1 46.1 69.1

99 64.4 49.6 74.4





#55

Ethyl methacrylate

Concen: 53.29 ug/l

RT: 10.25 min Scan# 742

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

ICVVT050818

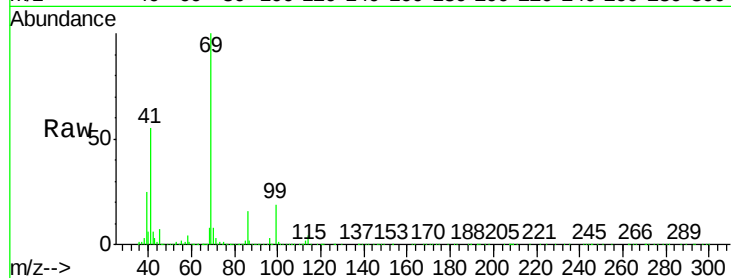
Tot Ion: 69 Resp: 662374

Ion Ratio Lower Upper

69 100

41 54.7 42.9 64.3

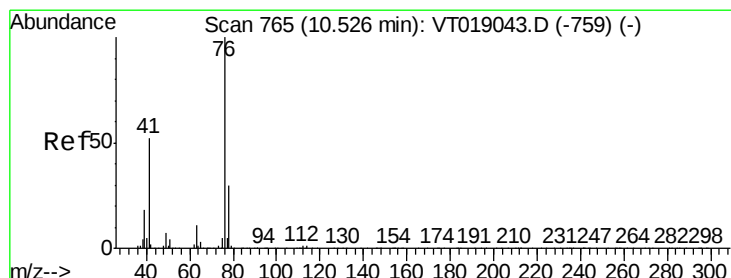
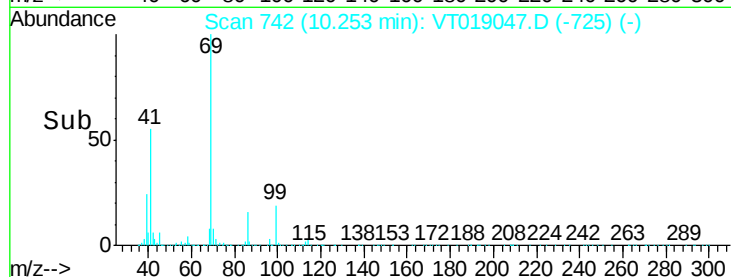
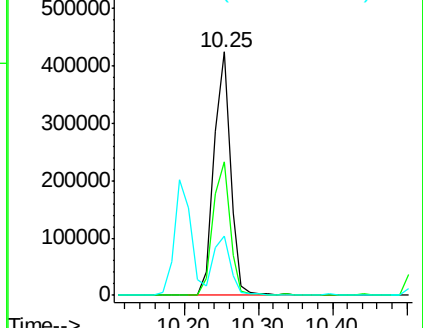
39 24.5 21.2 31.8



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: 48.72 ug/l

RT: 10.53 min Scan# 765

Delta R.T. -0.00 min

Lab File: VT019047.D

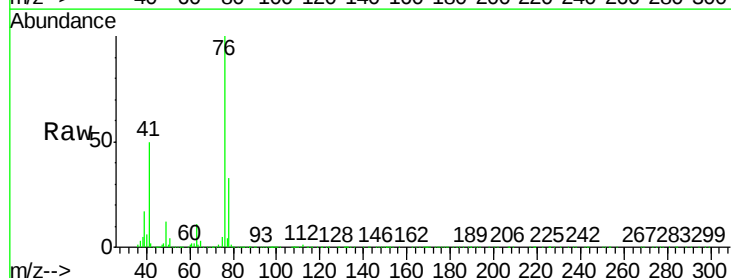
Acq: 9 May 2018 00:58

Tgt Ion: 76 Resp: 904216

Ion Ratio Lower Upper

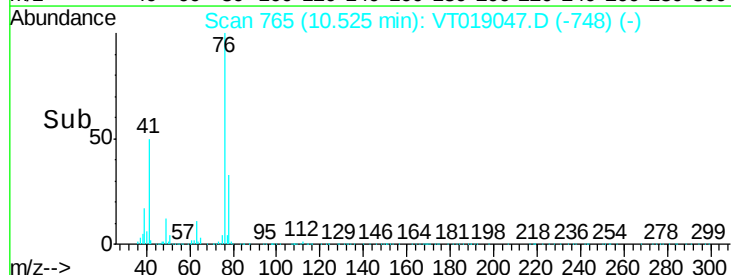
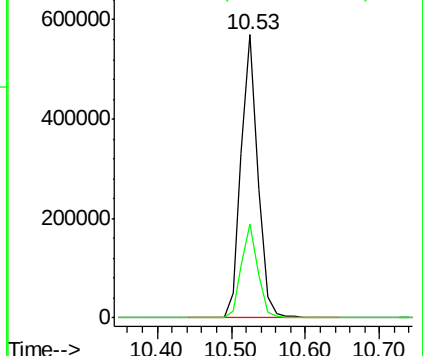
76 100

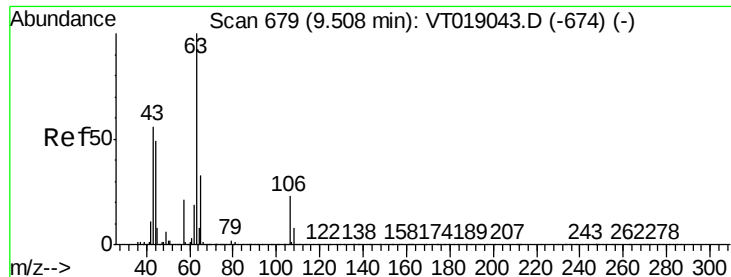
78 33.1 24.1 36.1



Abundance Ion 76.10 (75.80 to 76.80): VT0

Ion 78.10 (77.80 to 78.80): VT0

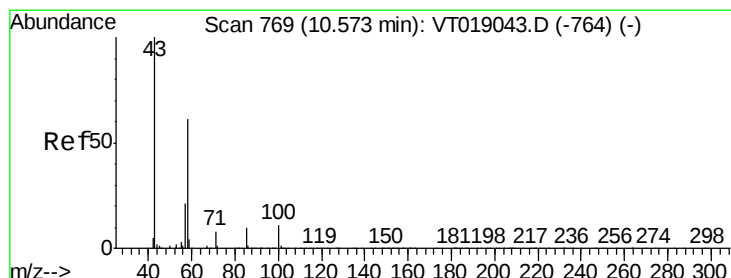
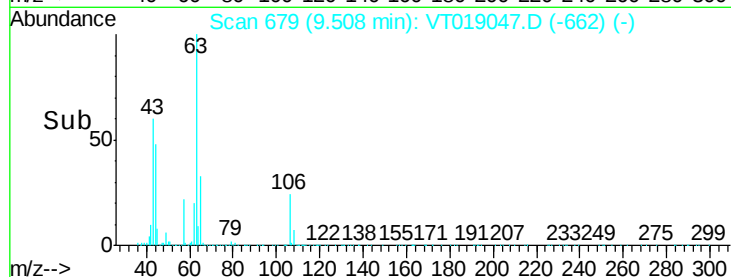
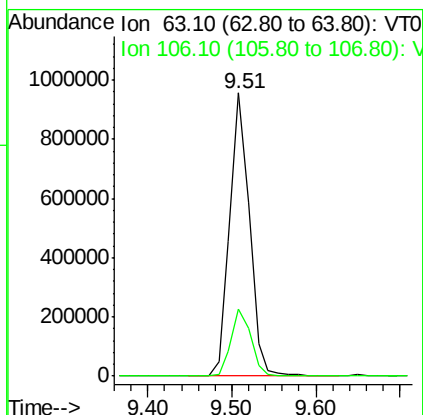
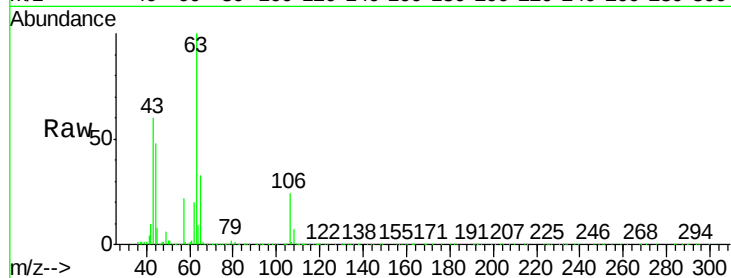




#57
2-Chloroethyl Vinyl ether
Concen: 273.44 ug/l
RT: 9.51 min Scan# 679
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

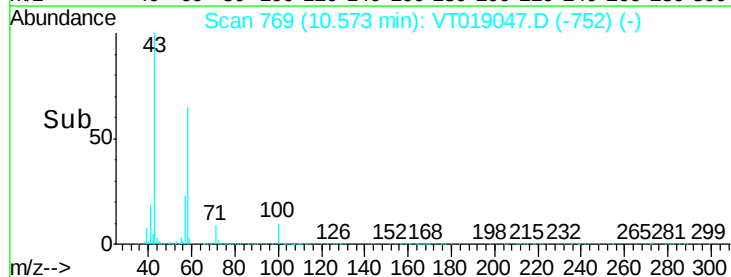
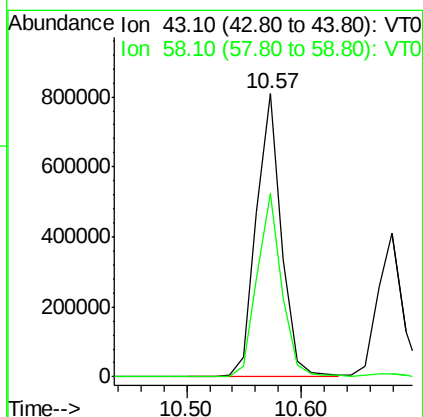
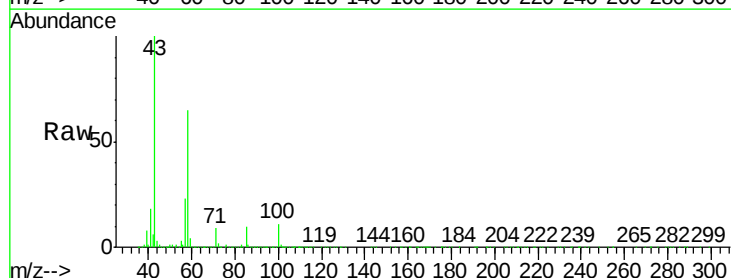
Instrument :
MSVOA_T
ClientSampleId :
ICVVT050818

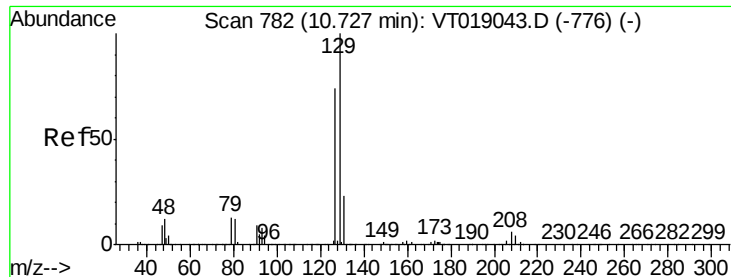
Tot Ion: 63 Resp: 1566254
Ion Ratio Lower Upper
63 100
106 23.5 18.7 28.1



#58
2-Hexanone
Concen: 246.83 ug/l
RT: 10.57 min Scan# 769
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

Tgt Ion: 43 Resp: 1235757
Ion Ratio Lower Upper
43 100
58 64.9 30.6 92.0





#59

Dibromochloromethane

Concen: 47.74 ug/l

RT: 10.73 min Scan# 782

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

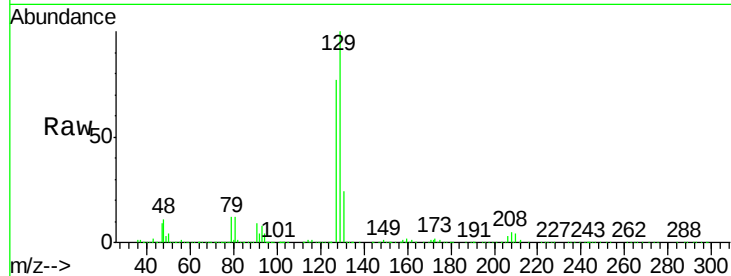
ICVVT050818

Tot Ion:129 Resp: 515067

Ion Ratio Lower Upper

129 100

127 77.2 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

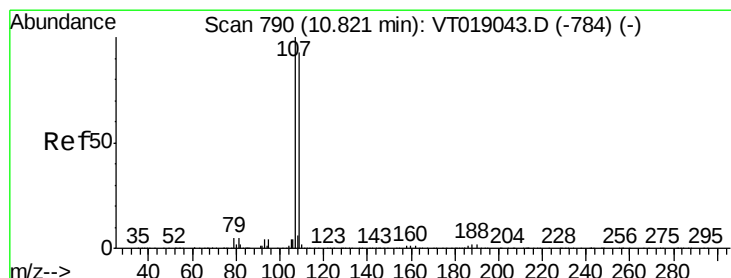
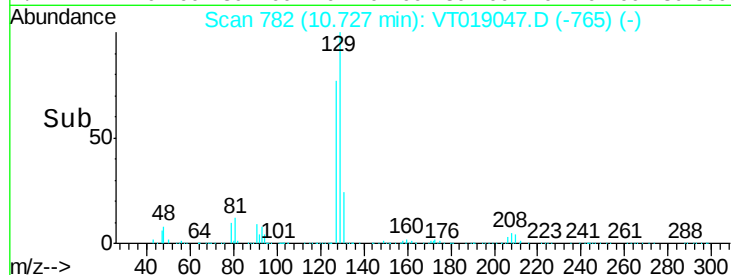
300000

200000

100000

0

Time-->



#60

1,2-Dibromoethane

Concen: 47.50 ug/l

RT: 10.82 min Scan# 790

Delta R.T. -0.00 min

Lab File: VT019047.D

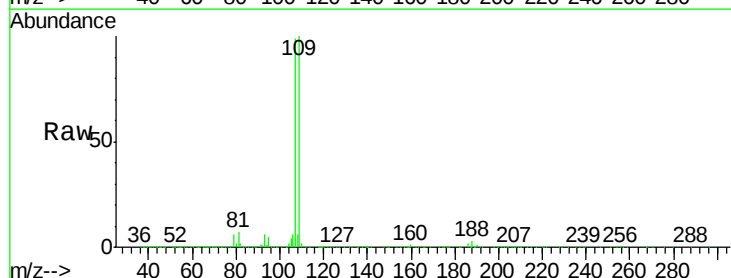
Acq: 9 May 2018 00:58

Tgt Ion:107 Resp: 425958

Ion Ratio Lower Upper

107 100

109 100.9 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

250000

200000

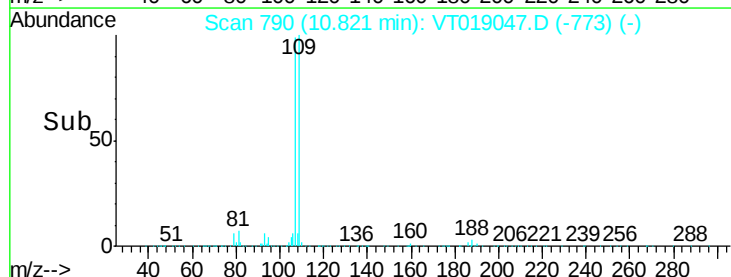
150000

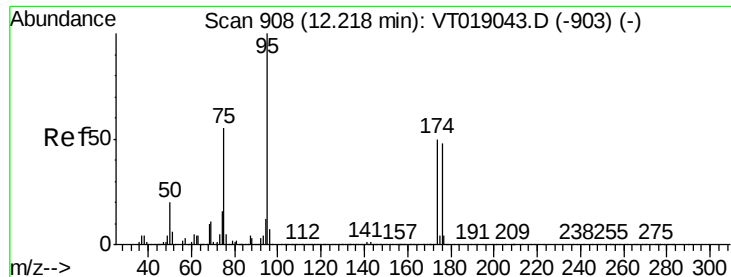
100000

50000

0

Time-->

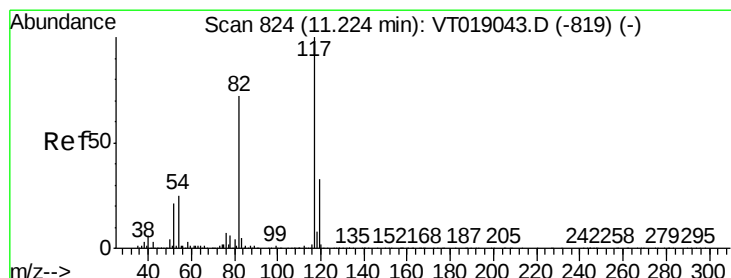
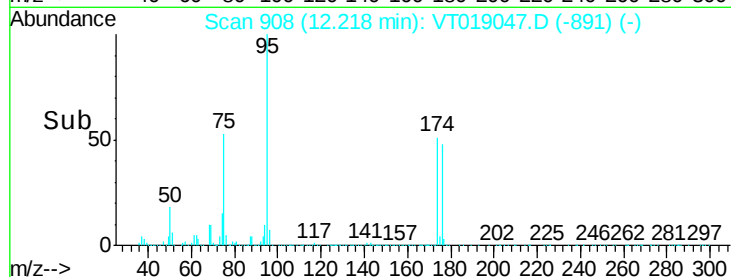
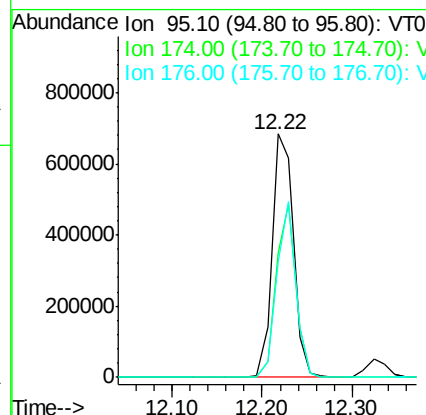
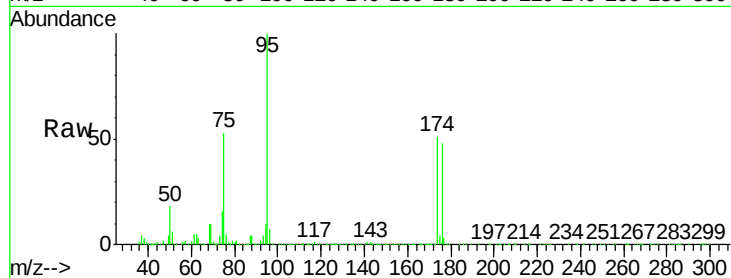




#61
4-Bromofluorobenzene
Concen: 50.39 ug/l
RT: 12.22 min Scan# 908
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

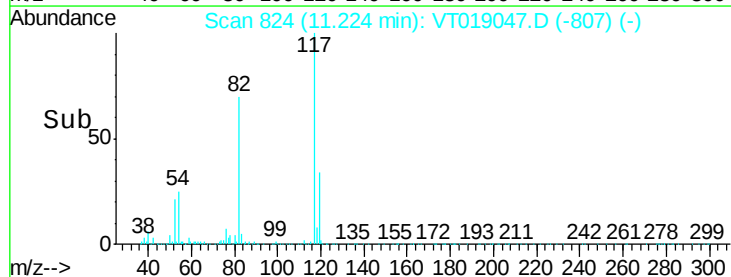
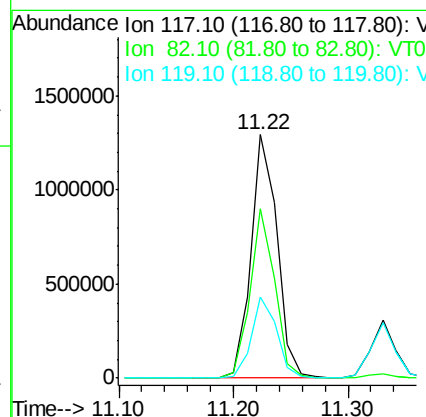
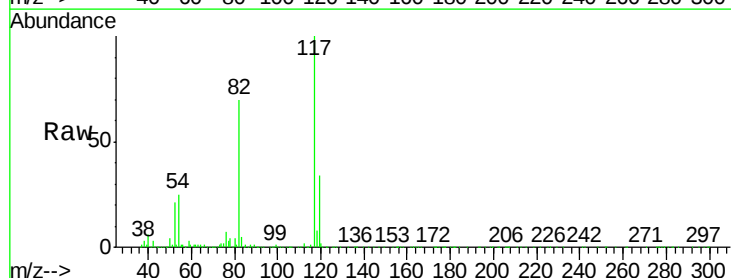
Instrument :
MSVOA_T
ClientSampleId :
ICVVT050818

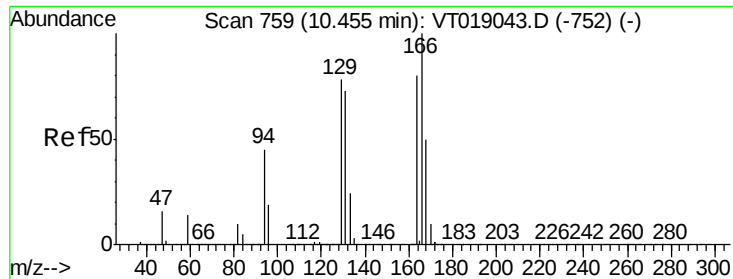
Tot Ion: 95 Resp: 1122386
Ion Ratio Lower Upper
95 100
174 51.3 0.0 100.0
176 47.7 0.0 96.6



#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.22 min Scan# 824
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

Tgt Ion: 117 Resp: 2066544
Ion Ratio Lower Upper
117 100
82 69.6 57.6 86.4
119 33.5 26.6 40.0

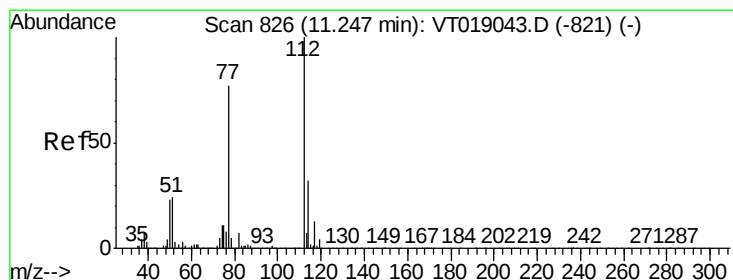
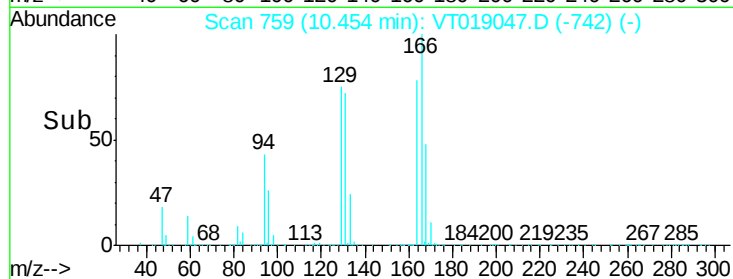
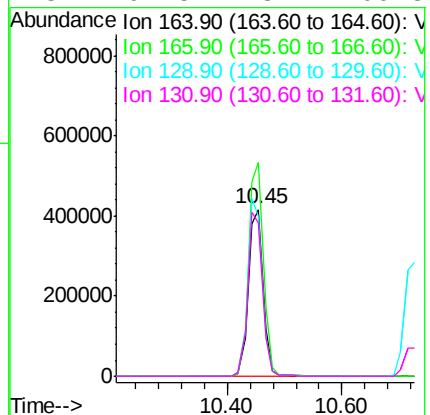
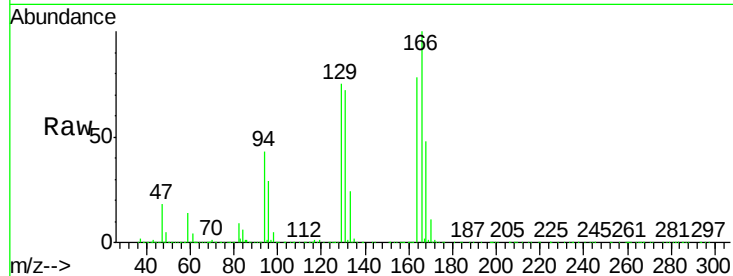




#63
Tetrachloroethene
Concen: 52.47 ug/l
RT: 10.45 min Scan# 759
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

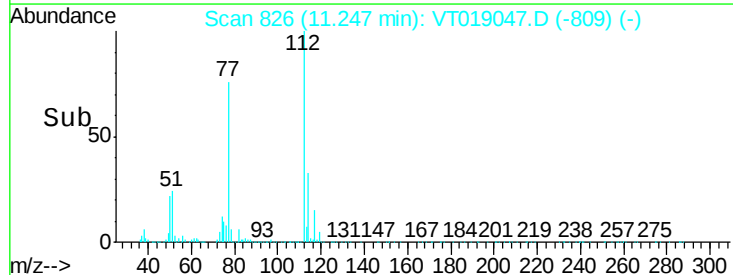
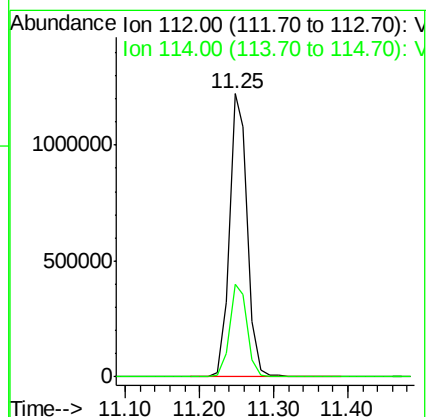
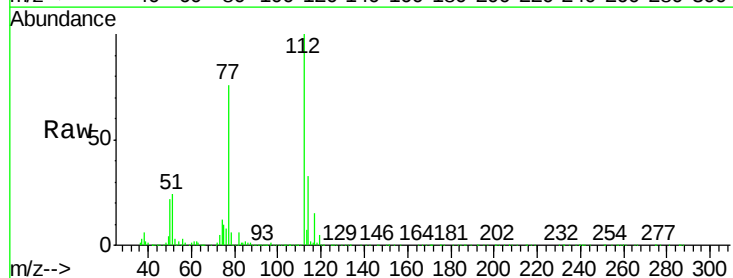
Instrument :
MSVOA_T
ClientSampleId :
ICVVT050818

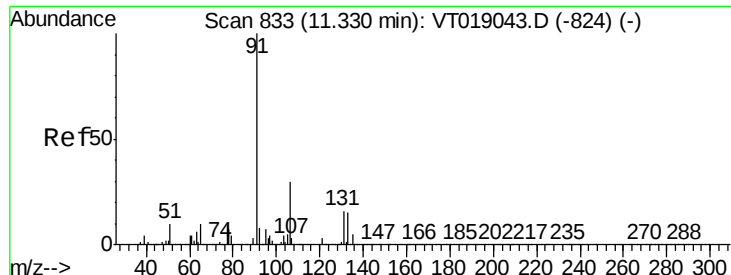
Tot Ion:164 Resp: 741984
Ion Ratio Lower Upper
164 100
166 128.1 100.6 151.0
129 96.3 78.1 117.1
131 92.5 73.2 109.8



#64
Chlorobenzene
Concen: 48.75 ug/l
RT: 11.25 min Scan# 826
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

Tgt Ion:112 Resp: 2086840
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 47.87 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

ICVVT050818

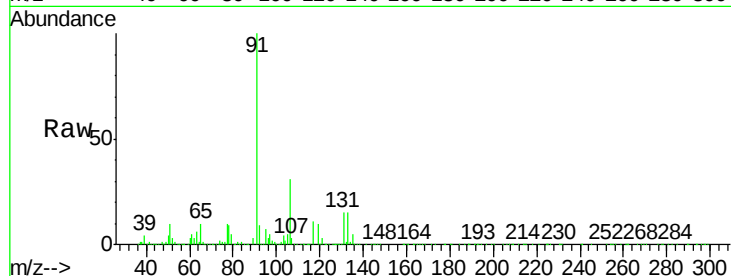
Tot Ion:131 Resp: 665033

Ion Ratio Lower Upper

131 100

133 94.8 47.8 143.3

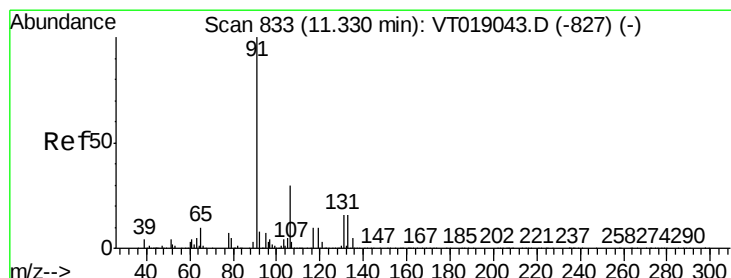
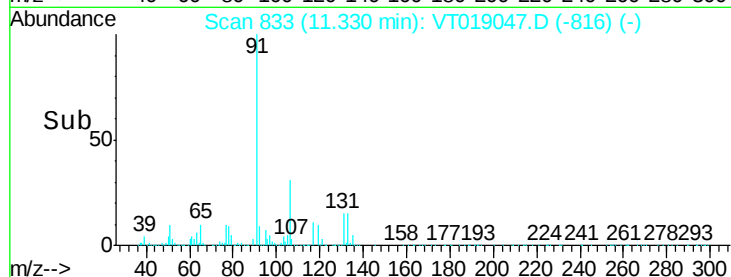
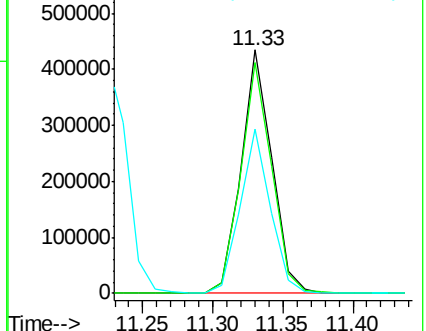
119 67.6 31.8 95.4



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: 51.72 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019047.D

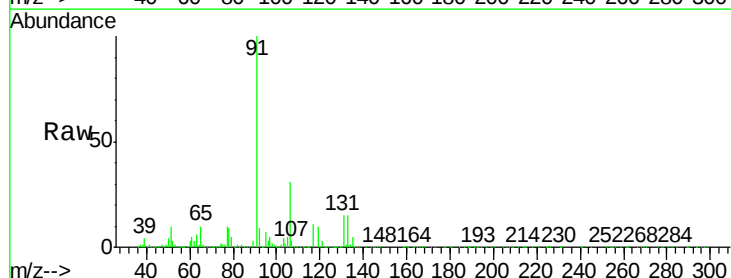
Acq: 9 May 2018 00:58

Tgt Ion: 91 Resp: 4245739

Ion Ratio Lower Upper

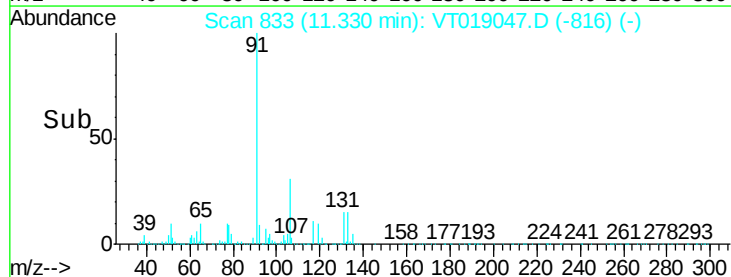
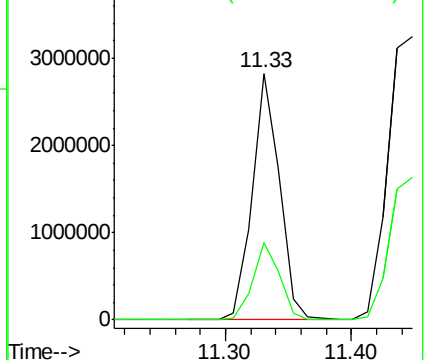
91 100

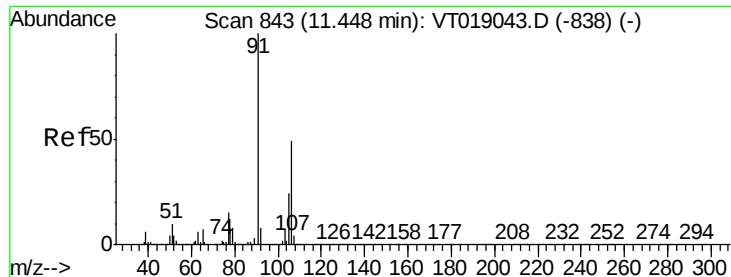
106 31.4 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 106.10 (105.80 to 106.80): V

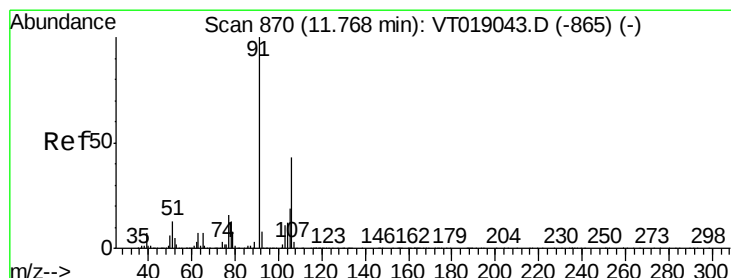
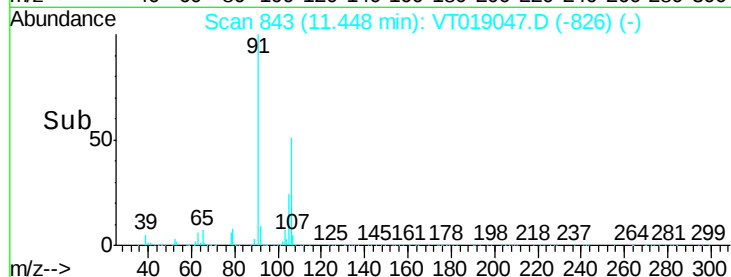
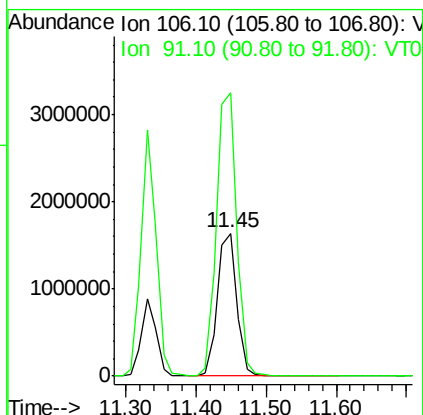
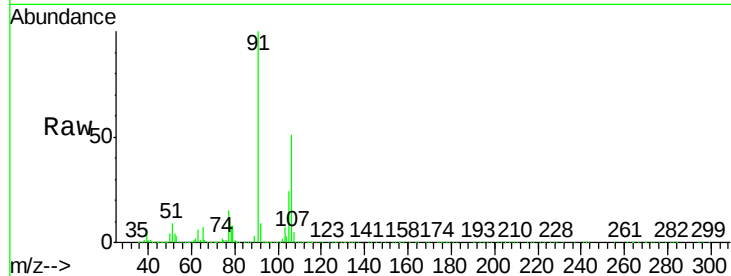




#67
m/p-Xylenes
Concen: 102.64 ug/l
RT: 11.45 min Scan# 843
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

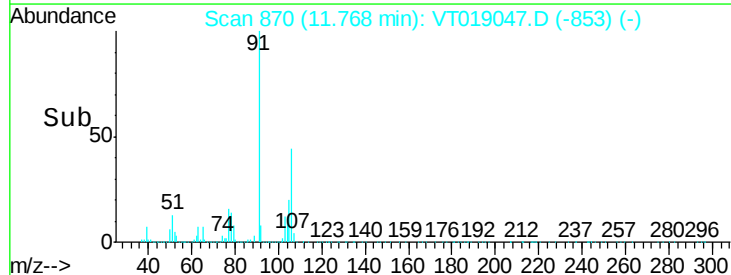
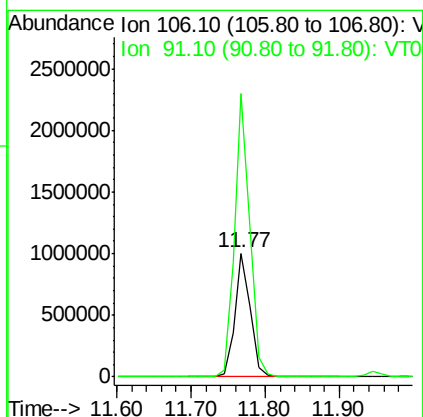
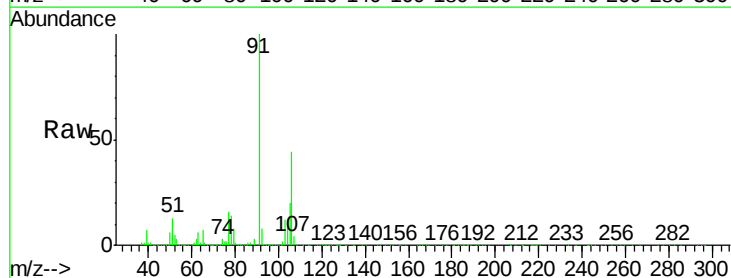
Instrument :
MSVOA_T
ClientSampleId :
ICVVT050818

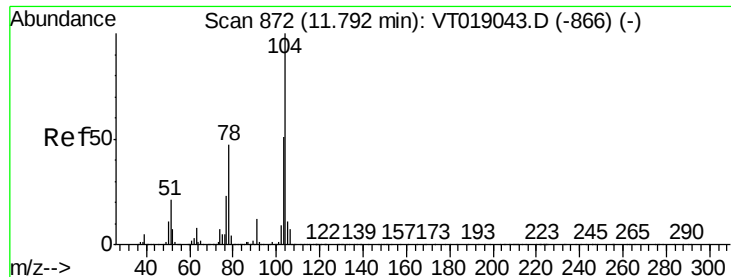
Tot Ion:106 Resp: 3132622
Ion Ratio Lower Upper
106 100
91 198.0 162.2 243.4



#68
o-Xylene
Concen: 50.73 ug/l
RT: 11.77 min Scan# 870
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

Tgt Ion:106 Resp: 1452660
Ion Ratio Lower Upper
106 100
91 229.2 116.0 348.0





#69

Stvrene

Concen: 50.97 ug/l

RT: 11.78 min Scan# 871

Delta R.T. -0.01 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

ICVVT050818

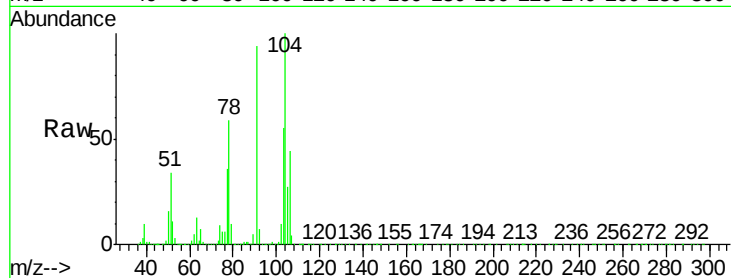
Tot Ion:104 Resp: 2259947

Ion Ratio Lower Upper

104 100

78 58.6 38.0 57.0#

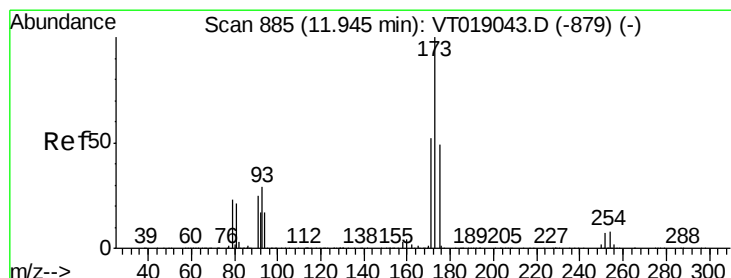
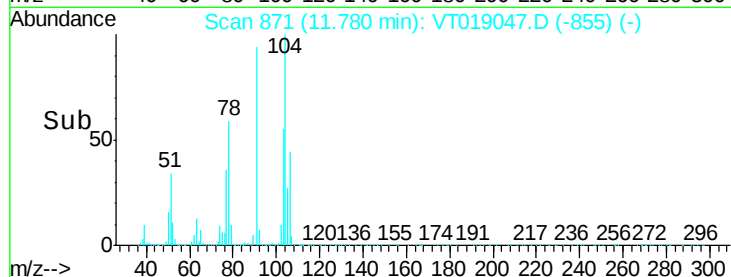
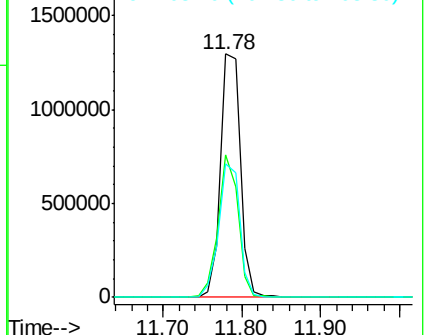
103 55.1 40.6 61.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VT0

Ion 103.10 (102.80 to 103.80): V



#70

Bromoform

Concen: 48.52 ug/l

RT: 11.95 min Scan# 885

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

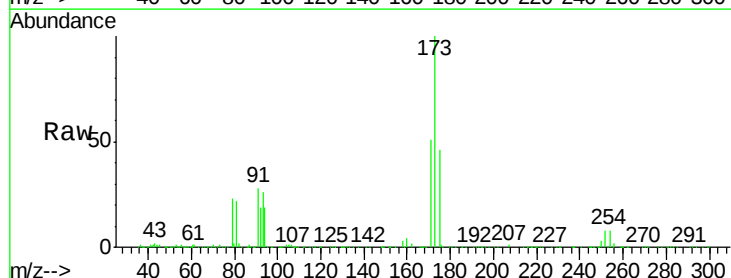
Tgt Ion:173 Resp: 256154

Ion Ratio Lower Upper

173 100

175 46.3 24.6 73.8

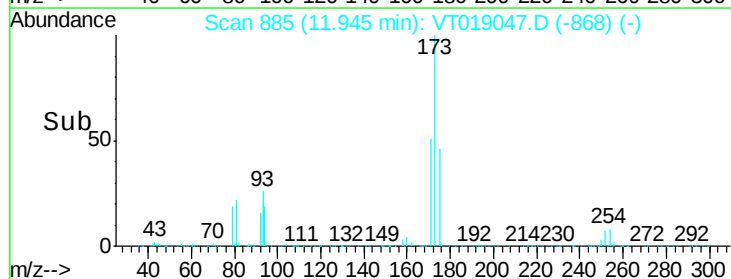
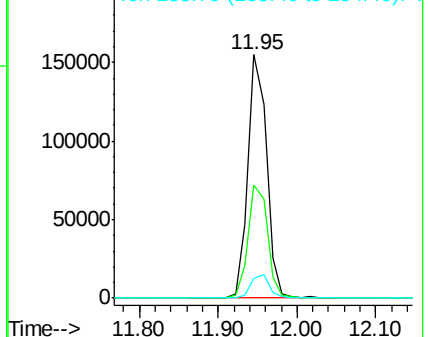
254 8.2 6.1 9.1

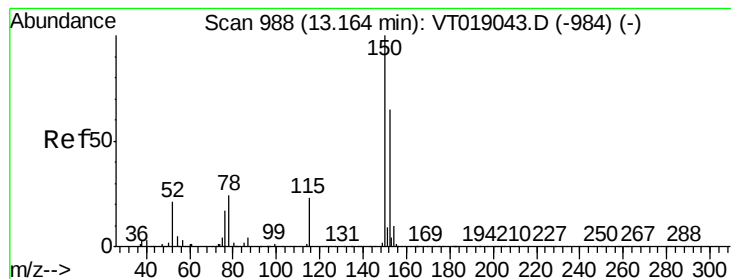


Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V





#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.16 min Scan# 988

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

ICVVT050818

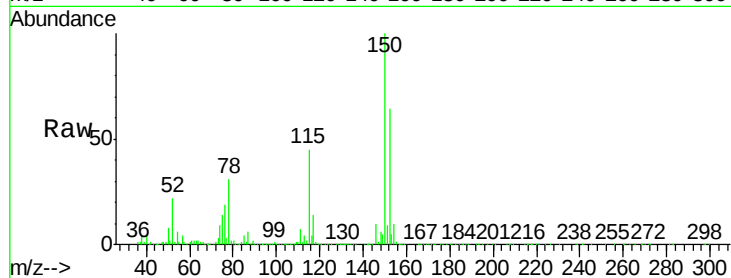
Tot Ion:152 Resp: 954897

Ion Ratio Lower Upper

152 100

115 70.2 34.2 102.6

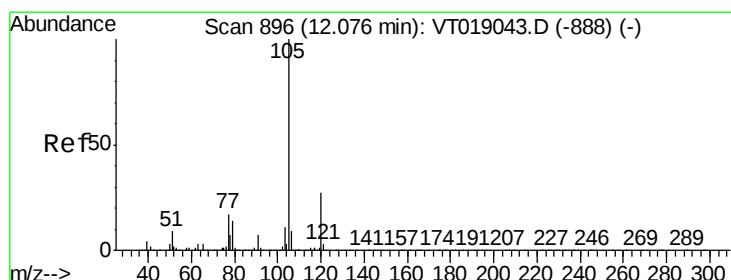
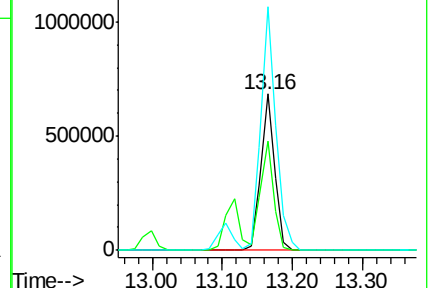
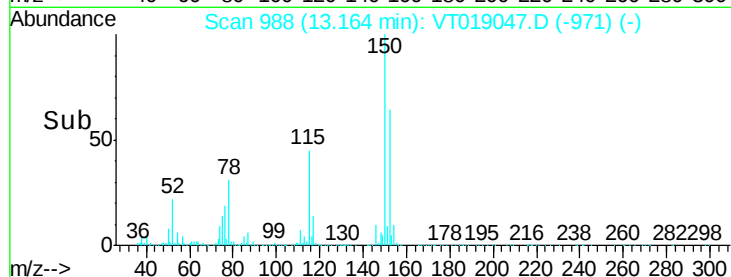
150 155.7 0.0 321.2



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: 53.92 ug/l

RT: 12.08 min Scan# 896

Delta R.T. -0.00 min

Lab File: VT019047.D

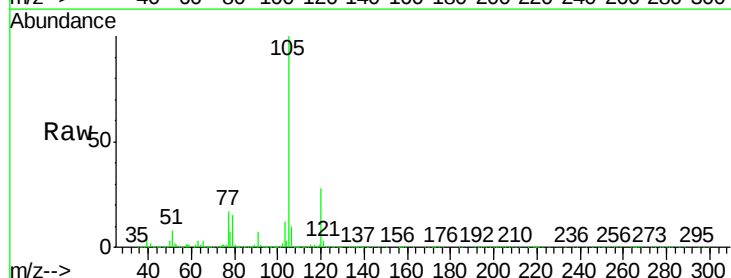
Acq: 9 May 2018 00:58

Tgt Ion:105 Resp: 4156687

Ion Ratio Lower Upper

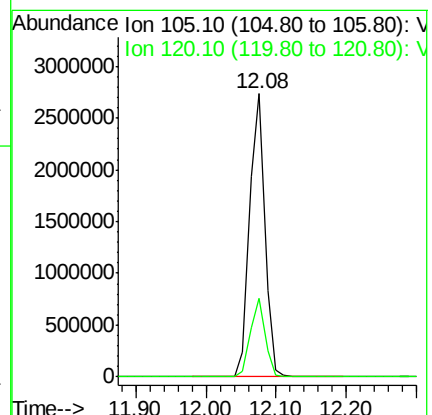
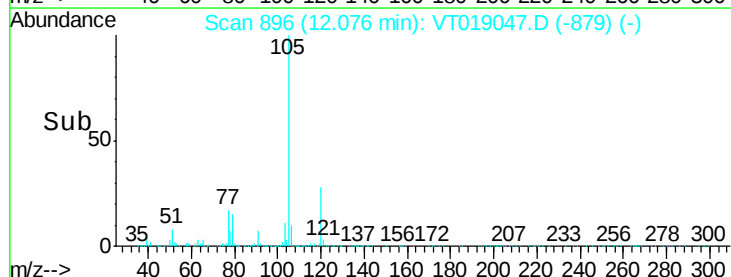
105 100

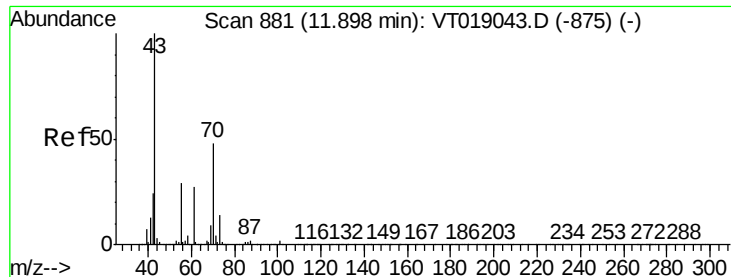
120 28.0 13.6 40.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V





#73

N-amvl acetate

Concen: 53.67 ug/l

RT: 11.90 min Scan# 881

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

ICVVT050818

Tot Ion: 43 Resp: 682180

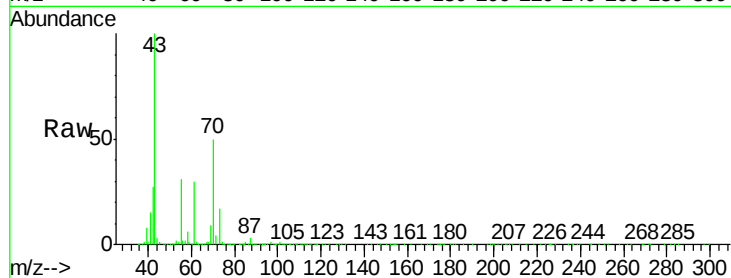
Ion Ratio Lower Upper

43 100

70 50.4 38.2 57.4

55 30.5 23.5 35.3

61 29.7 21.7 32.5

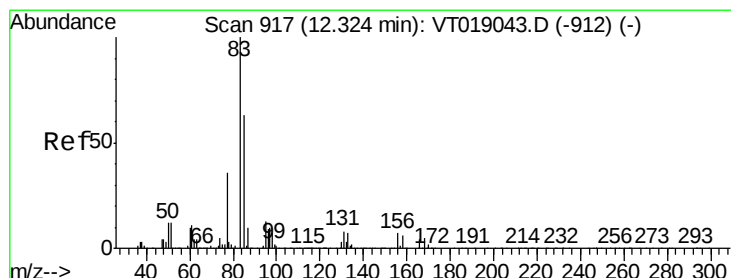
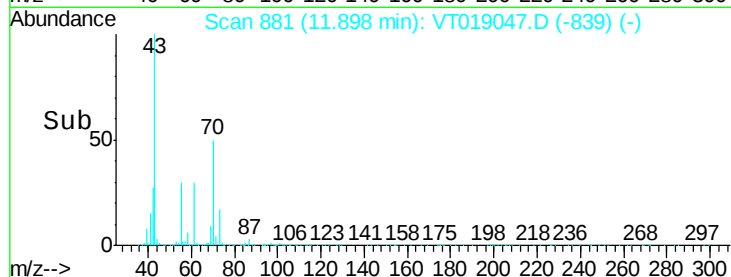
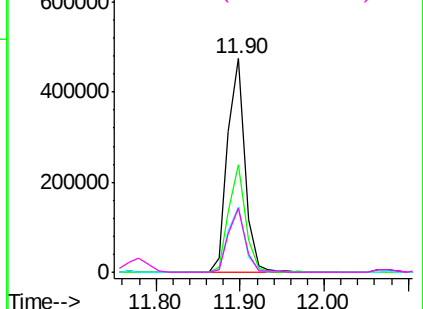


Abundance Ion 43.10 (42.80 to 43.80): VT0

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: 48.86 ug/l

RT: 12.32 min Scan# 917

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

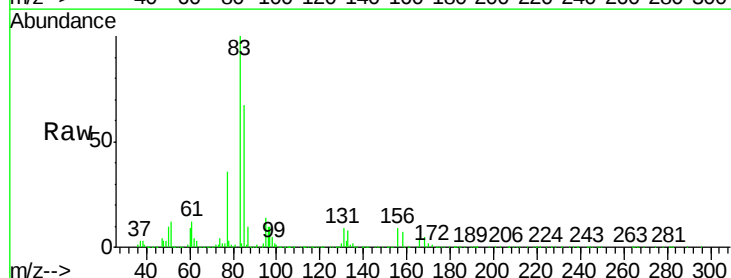
Tgt Ion: 83 Resp: 554324

Ion Ratio Lower Upper

83 100

131 9.1 4.0 12.2

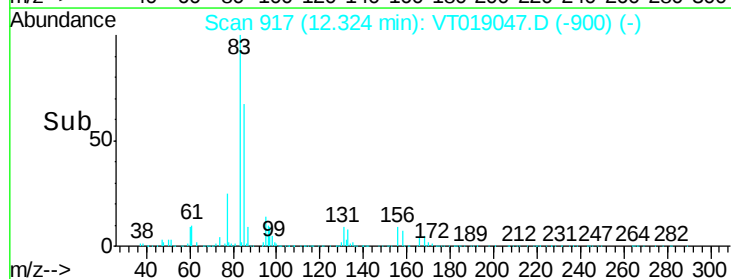
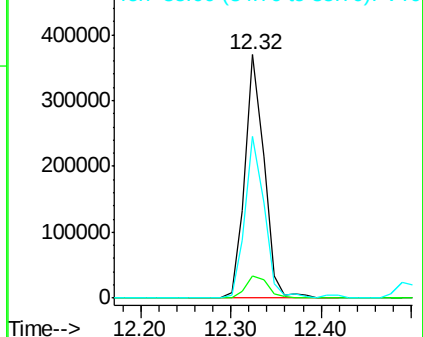
85 66.5 31.4 94.3

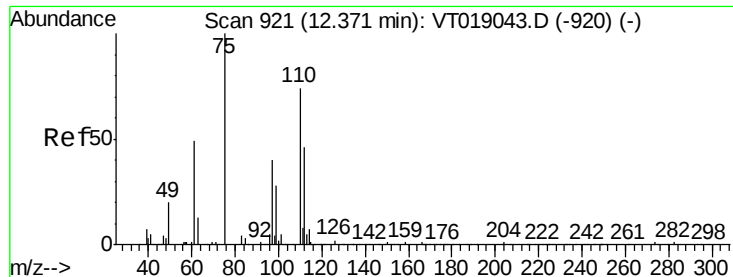


Abundance Ion 83.00 (82.70 to 83.70): VT0

Ion 131.00 (130.70 to 131.70): VT0

Ion 85.00 (84.70 to 85.70): VT0





#75

1,2,3-Trichloropropane

Concen: 52.57 ug/l m

RT: 12.37 min Scan# 921

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

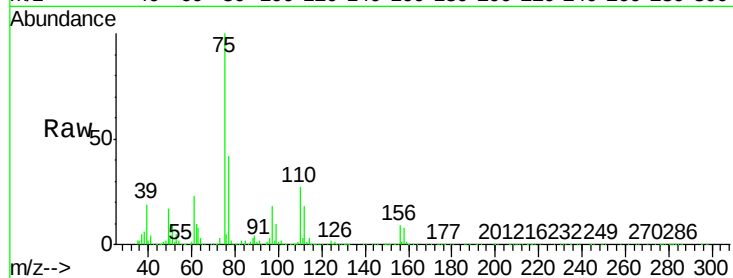
ICVVT050818

Tot Ion: 75 Resp: 426977

Ion Ratio Lower Upper

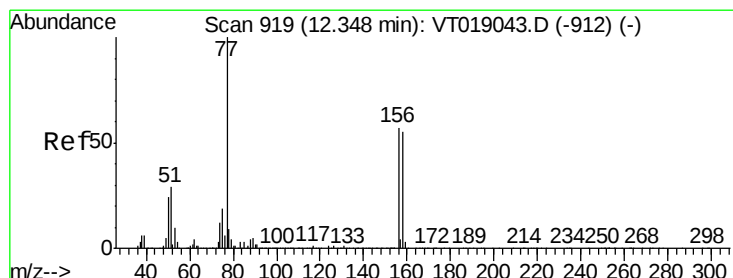
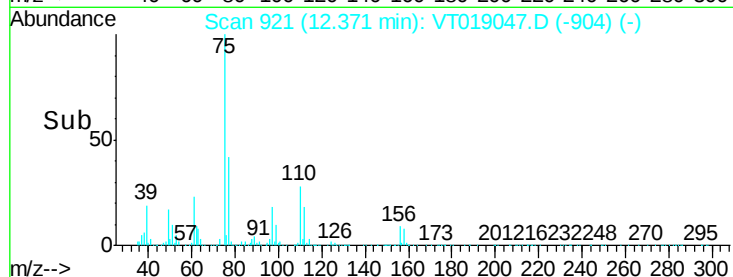
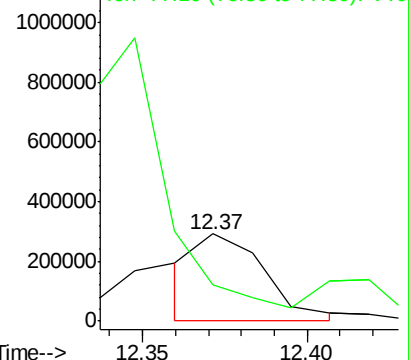
75 100

77 41.8 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: 50.89 ug/l

RT: 12.35 min Scan# 919

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

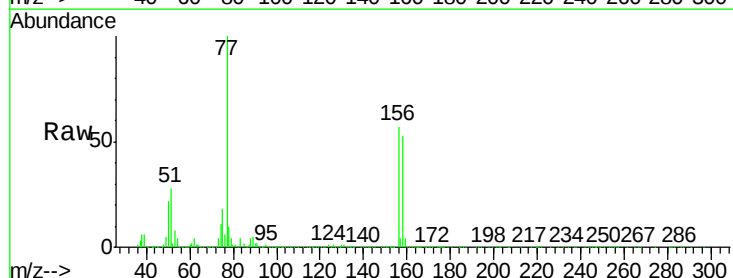
Tgt Ion: 156 Resp: 776981

Ion Ratio Lower Upper

156 100

77 176.4 87.8 263.4

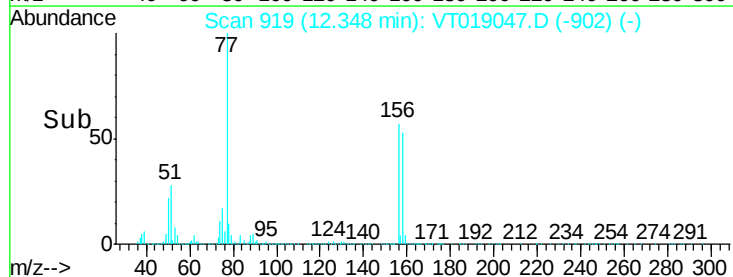
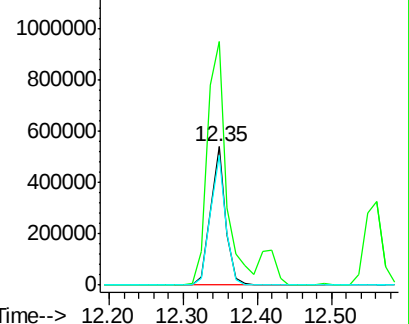
158 93.9 48.3 144.8

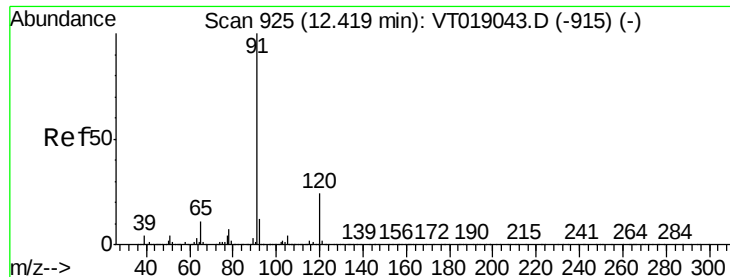


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.10 (76.80 to 77.80): VT0

Ion 158.00 (157.70 to 158.70): V





#77

n-propylbenzene

Concen: 48.81 ug/l

RT: 12.42 min Scan# 925

Delta R.T. 0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

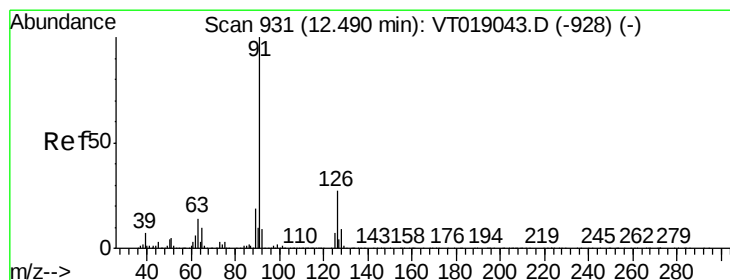
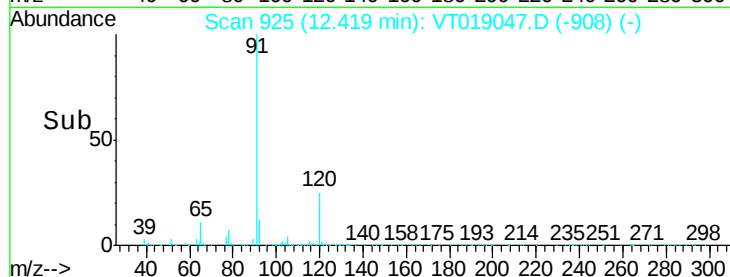
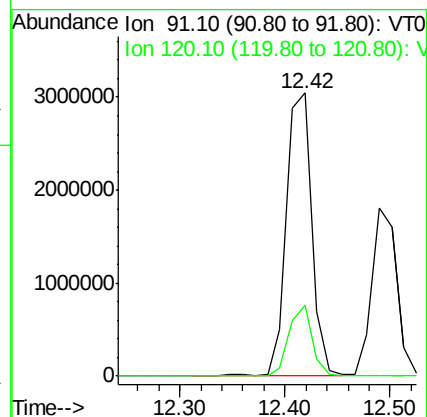
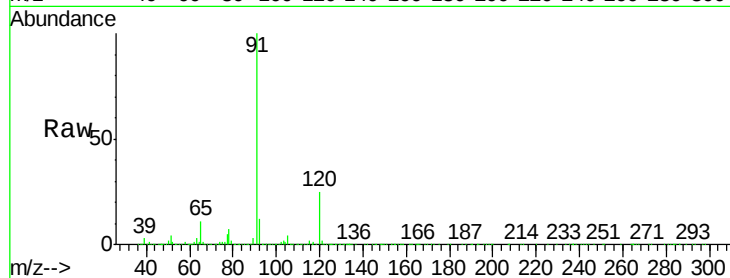
ICVVT050818

Tot Ion: 91 Resp: 5154177

Ion Ratio Lower Upper

91 100

120 25.1 12.0 36.1



#78

2-Chlorotoluene

Concen: 52.60 ug/l

RT: 12.49 min Scan# 931

Delta R.T. -0.00 min

Lab File: VT019047.D

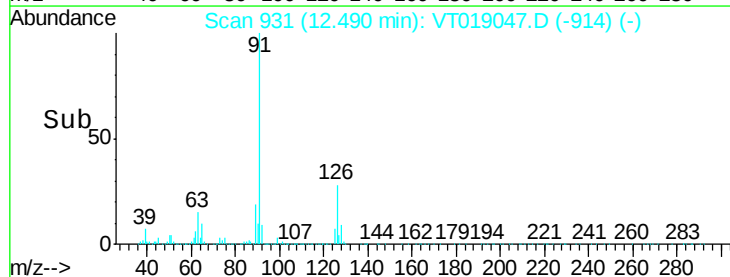
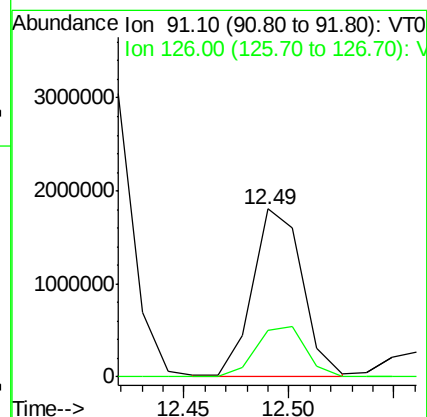
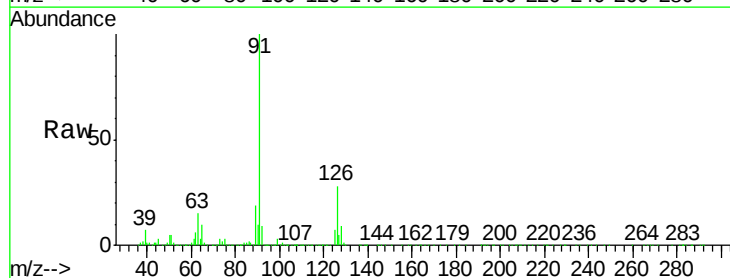
Acq: 9 May 2018 00:58

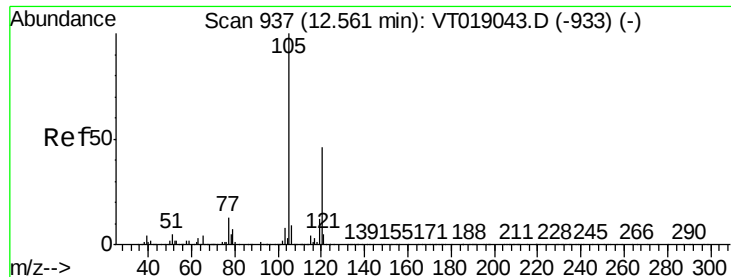
Tgt Ion: 91 Resp: 2976268

Ion Ratio Lower Upper

91 100

126 27.8 13.5 40.5





#79

1,3,5-Trimethylbenzene

Concen: 53.40 ug/l

RT: 12.56 min Scan# 937

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

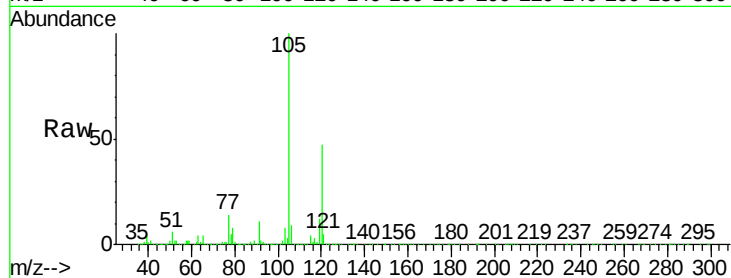
ICVVT050818

Tot Ion:105 Resp: 3574379

Ion Ratio Lower Upper

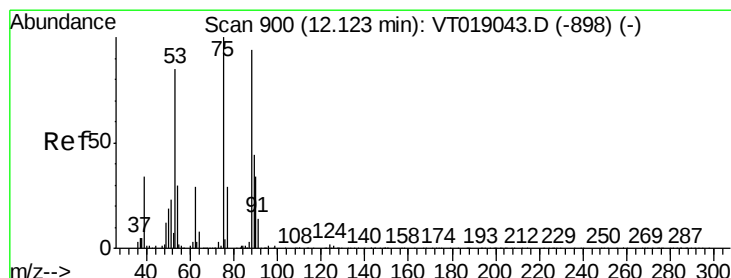
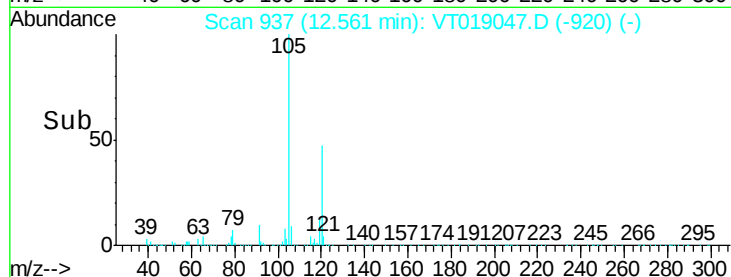
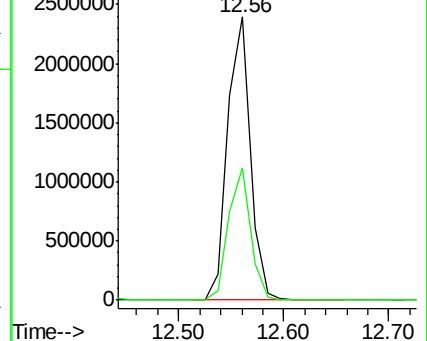
105 100

120 46.8 23.2 69.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V



#80

trans-1,4-Dichloro-2-butene

Concen: 52.56 ug/l

RT: 12.12 min Scan# 900

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

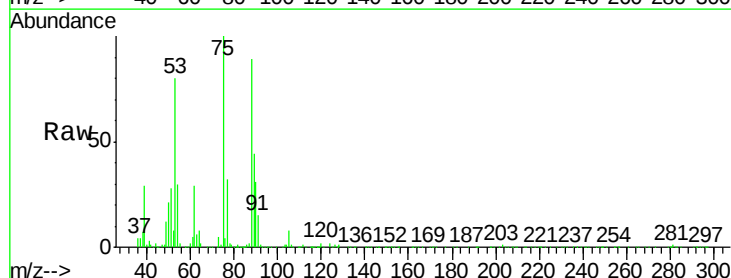
Tgt Ion: 75 Resp: 160562

Ion Ratio Lower Upper

75 100

53 80.2 70.8 106.2

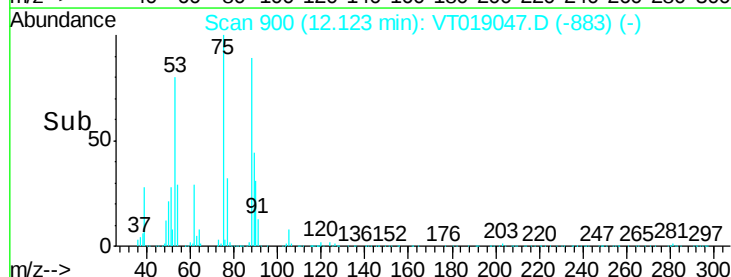
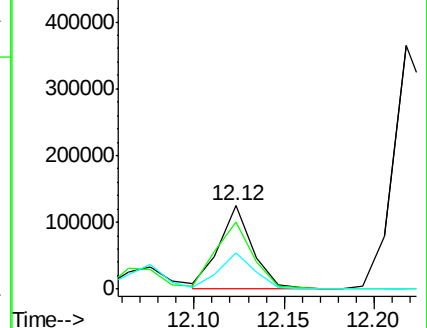
89 44.3 35.8 53.8

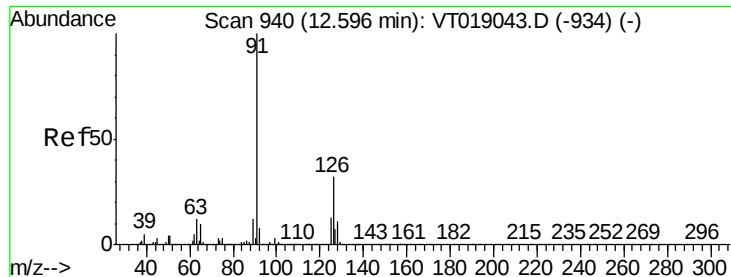


Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 53.10 (52.80 to 53.80): VT0

Ion 89.00 (88.70 to 89.70): VT0





#81

4-Chlorotoluene

Concen: 51.10 ug/l

RT: 12.60 min Scan# 940

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

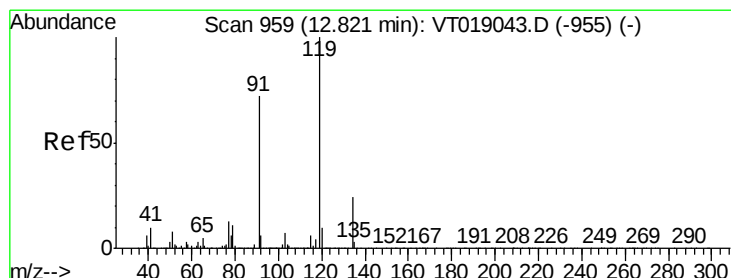
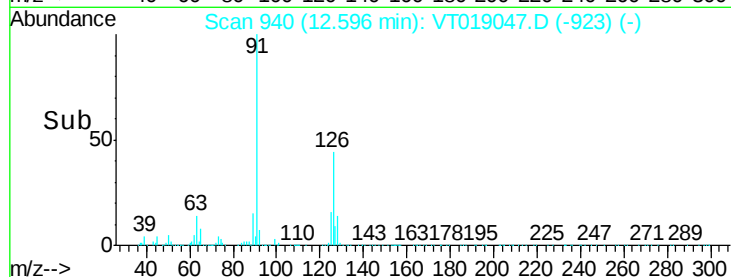
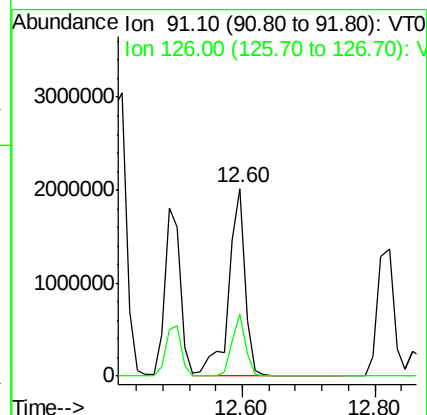
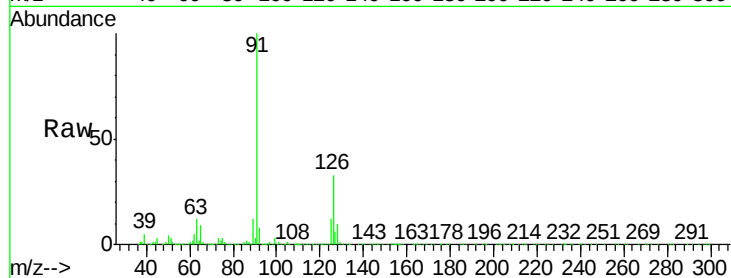
ICVVT050818

Tot Ion: 91 Resp: 3513344

Ion Ratio Lower Upper

91 100

126 33.1 16.0 47.9



#82

tert-Butylbenzene

Concen: 53.84 ug/l m

RT: 12.82 min Scan# 959

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

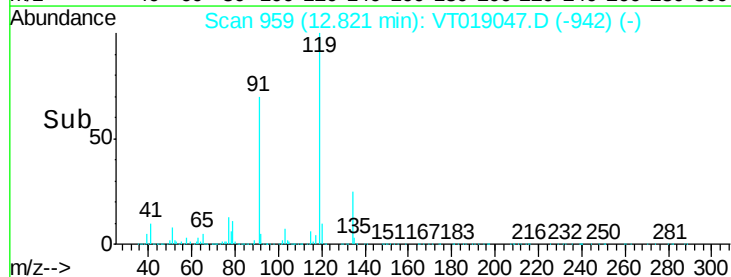
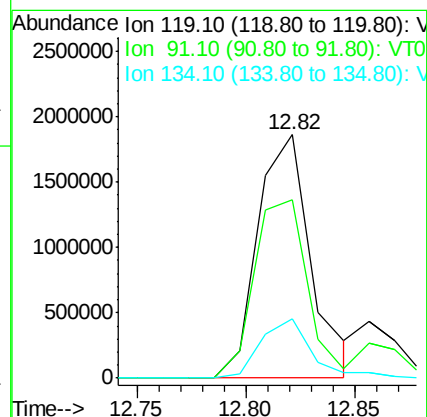
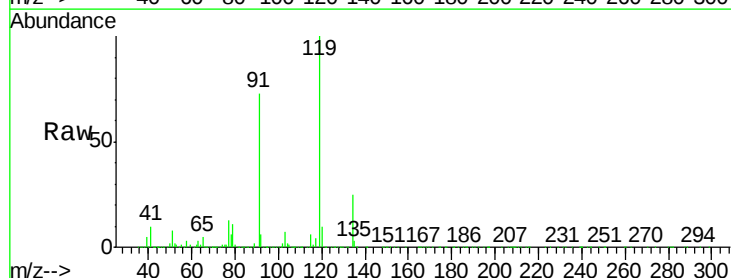
Tgt Ion: 119 Resp: 3140585

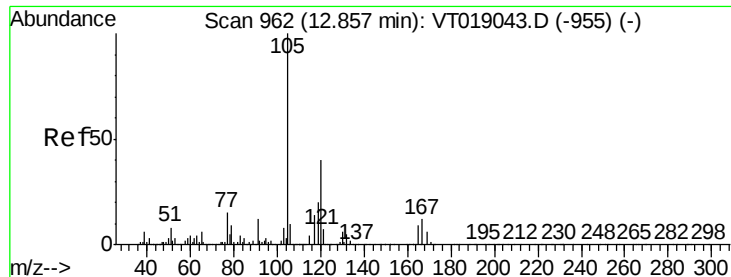
Ion Ratio Lower Upper

119 100

91 73.1 36.1 108.3

134 24.6 12.0 36.1





#83

1,2,4-Trimethylbenzene

Concen: 53.46 ug/l

RT: 12.86 min Scan# 962

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

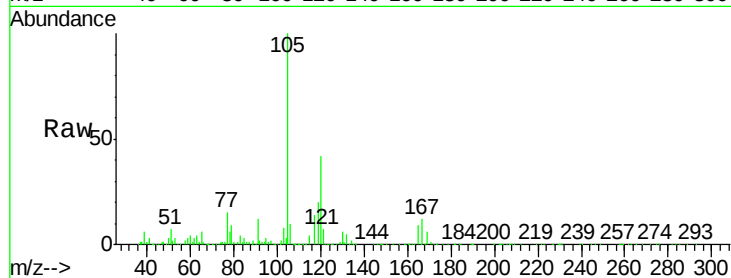
ICVVT050818

Tot Ion:105 Resp: 3628269

Ion Ratio Lower Upper

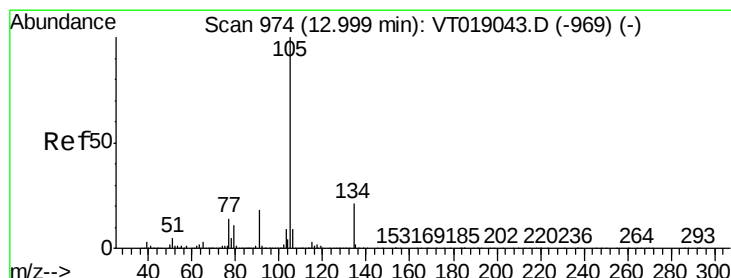
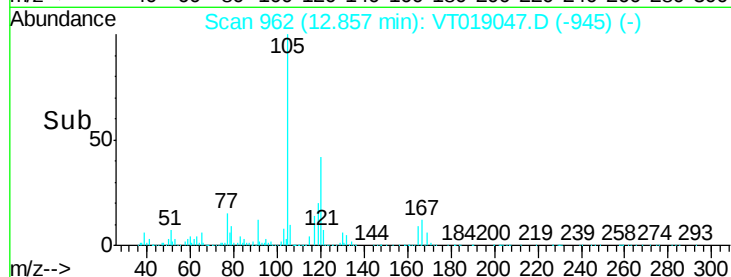
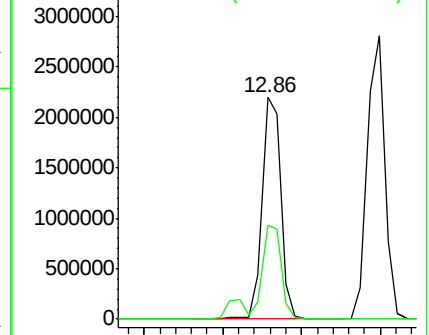
105 100

120 42.3 20.0 59.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V



#84

sec-Butylbenzene

Concen: 53.54 ug/l

RT: 13.00 min Scan# 974

Delta R.T. -0.00 min

Lab File: VT019047.D

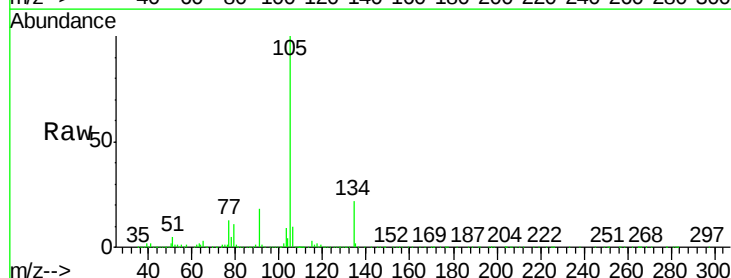
Acq: 9 May 2018 00:58

Tgt Ion:105 Resp: 4400179

Ion Ratio Lower Upper

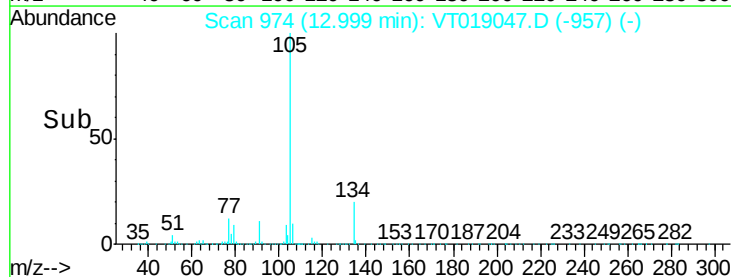
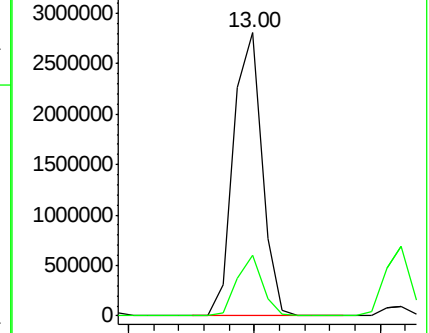
105 100

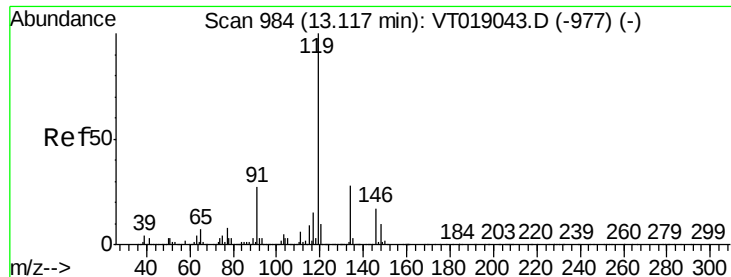
134 21.6 10.4 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.10 (133.80 to 134.80): V

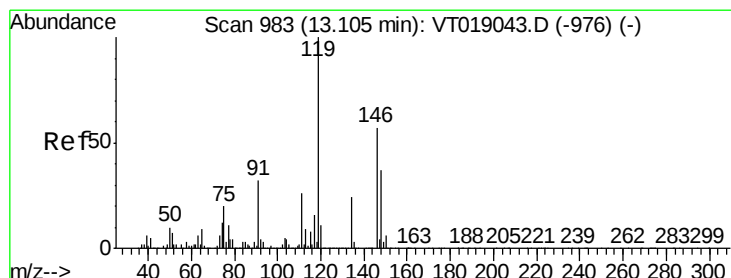
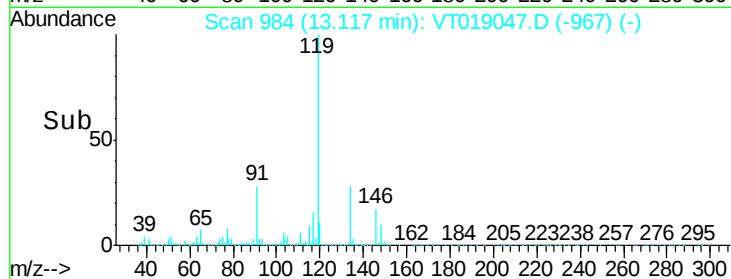
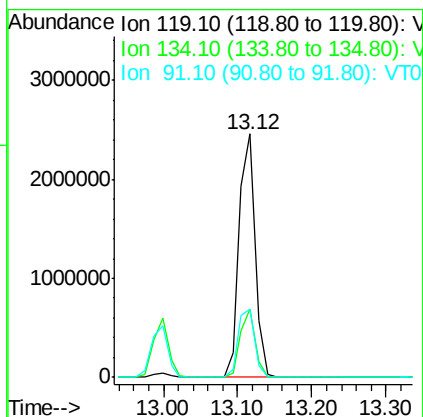
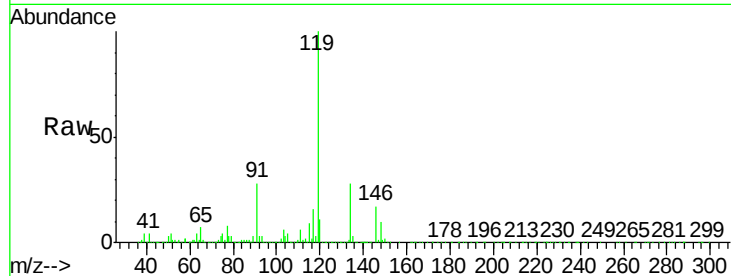




#85
p-Isopropyltoluene
Concen: 54.19 ug/l
RT: 13.12 min Scan# 984
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

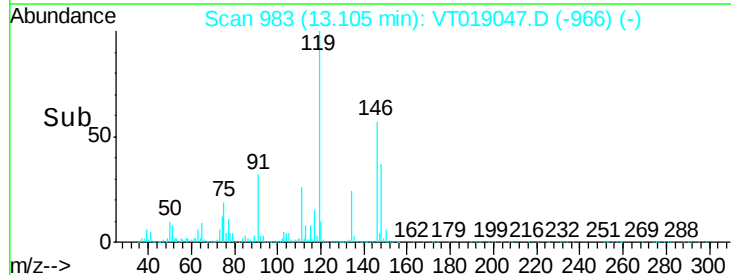
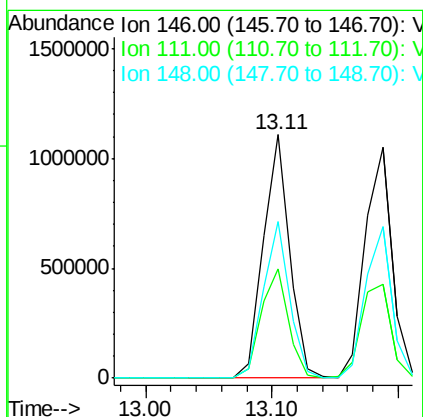
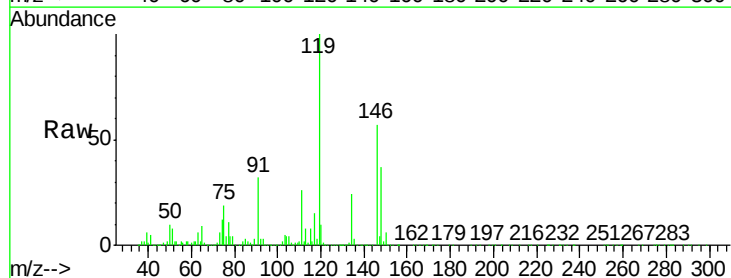
Instrument :
MSVOA_T
ClientSampleId :
ICVVT050818

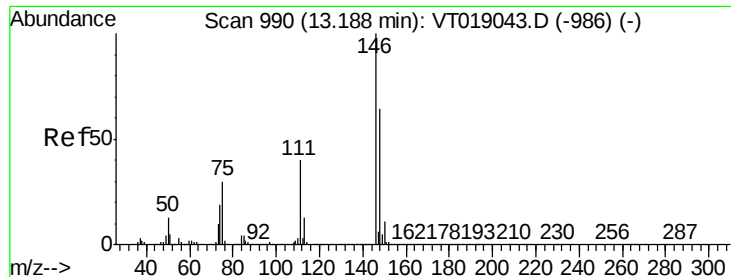
Tot Ion:119 Resp: 3743650
Ion Ratio Lower Upper
119 100
134 28.3 14.1 42.3
91 27.8 13.5 40.4



#86
1,3-Dichlorobenzene
Concen: 50.14 ug/l
RT: 13.11 min Scan# 983
Delta R.T. -0.00 min
Lab File: VT019047.D
Acq: 9 May 2018 00:58

Tgt Ion:146 Resp: 1615101
Ion Ratio Lower Upper
146 100
111 44.6 23.1 69.2
148 64.2 32.5 97.5

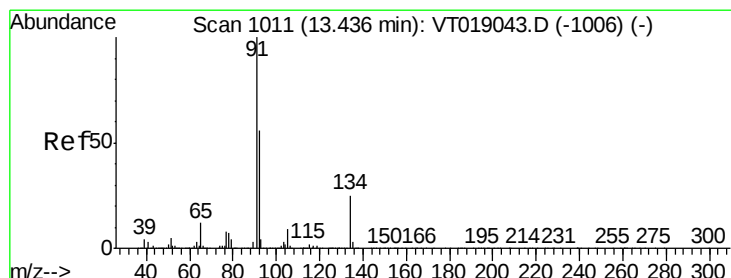
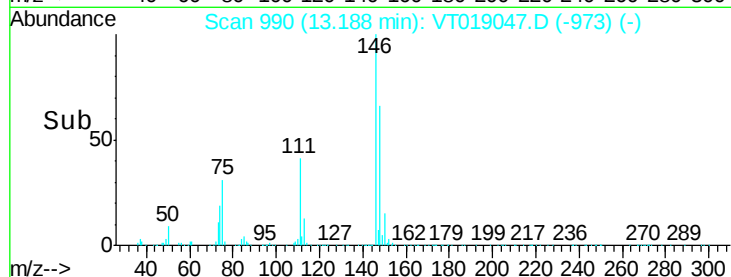
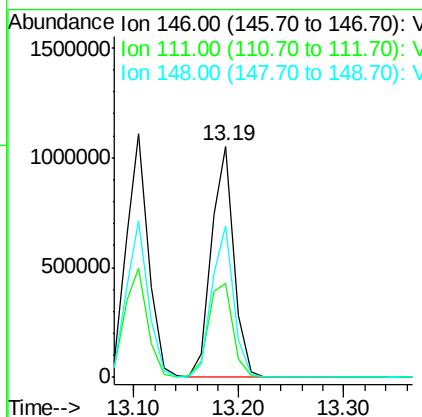
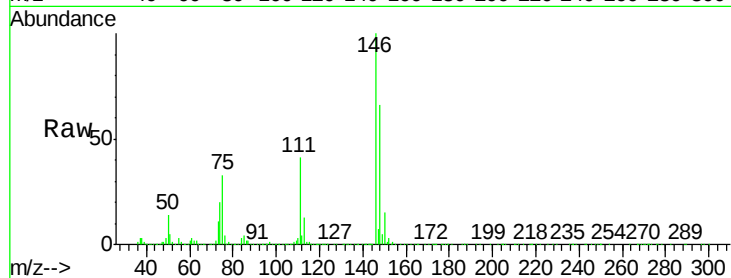




#87
 1,4-Dichlorobenzene
 Concen: 49.96 ug/l
 RT: 13.19 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VT019047.D
 Acq: 9 May 2018 00:58

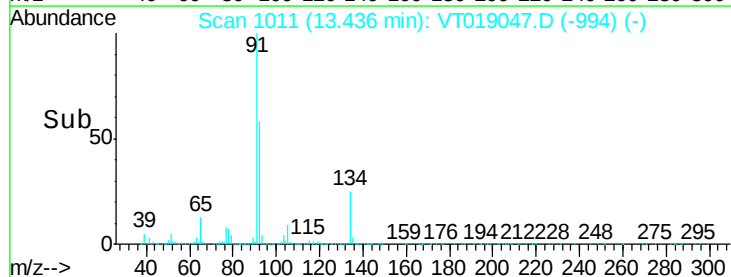
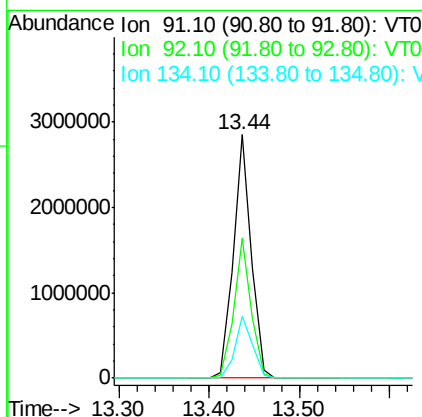
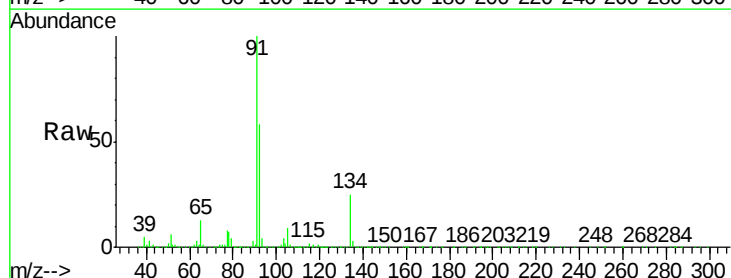
Instrument :
 MSVOA_T
 ClientSampleId :
 ICVVT050818

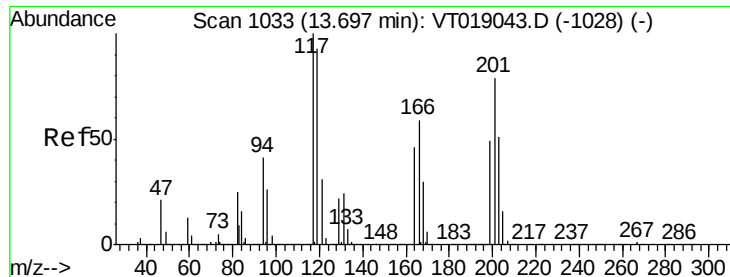
Tot Ion:146 Resp: 1564172
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.3 60.8
 148 65.7 32.3 96.8



#88
 n-Butylbenzene
 Concen: 53.05 ug/l
 RT: 13.44 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VT019047.D
 Acq: 9 May 2018 00:58

Tgt Ion: 91 Resp: 3927491
 Ion Ratio Lower Upper
 91 100
 92 57.7 28.0 84.0
 134 25.2 12.4 37.0





#89

Hexachloroethane

Concen: 50.69 ug/l

RT: 13.70 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

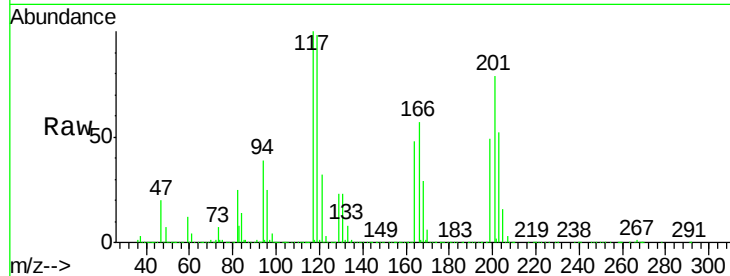
ICVVT050818

Tot Ion:117 Resp: 607488

Ion Ratio Lower Upper

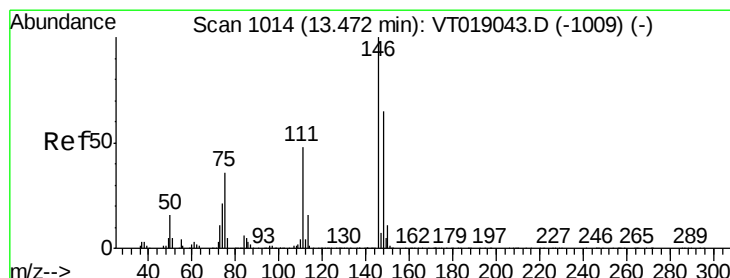
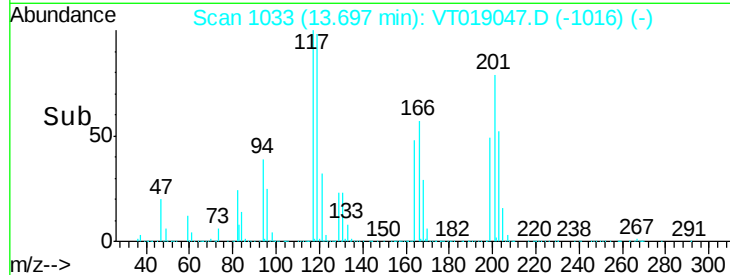
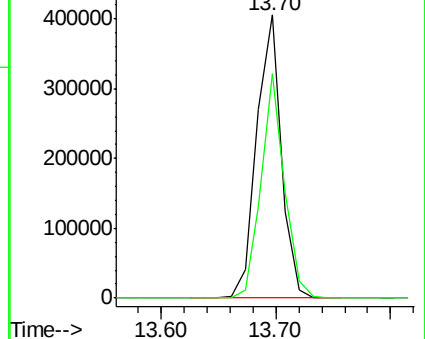
117 100

201 79.1 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: 50.68 ug/l

RT: 13.47 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

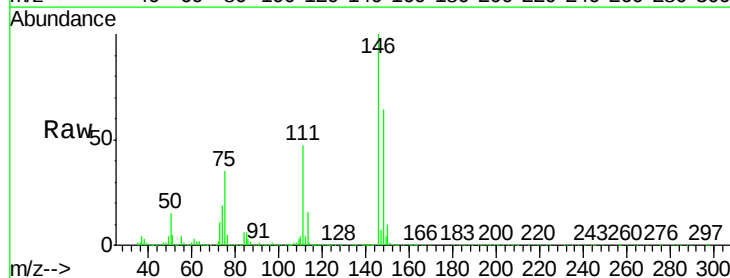
Tgt Ion:146 Resp: 1364691

Ion Ratio Lower Upper

146 100

111 47.2 23.8 71.2

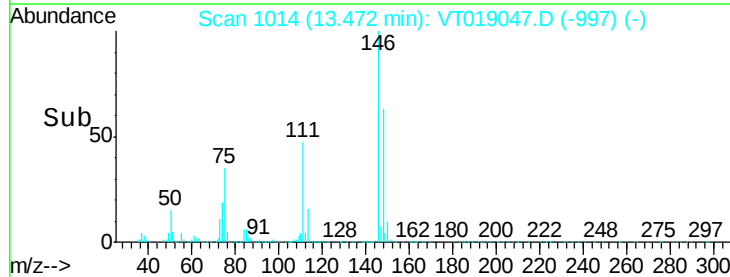
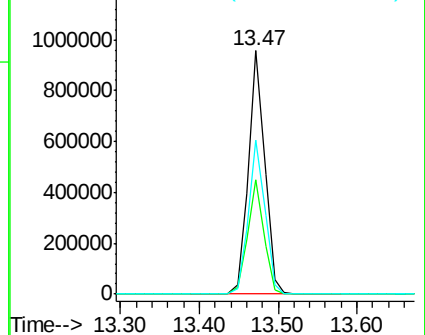
148 63.5 32.7 98.1

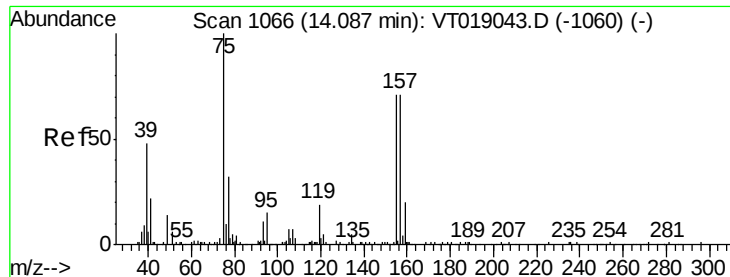


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

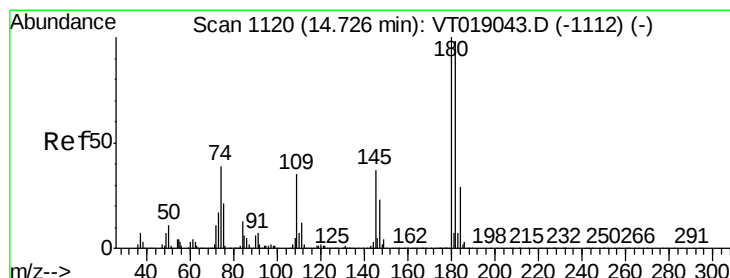
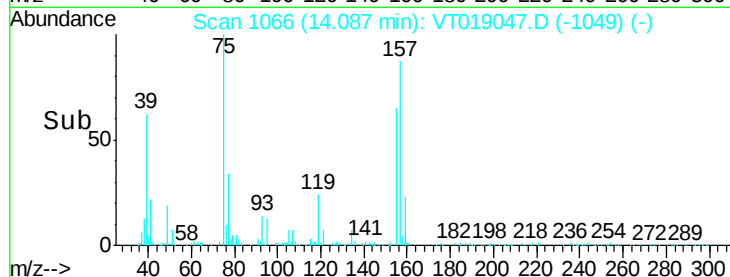
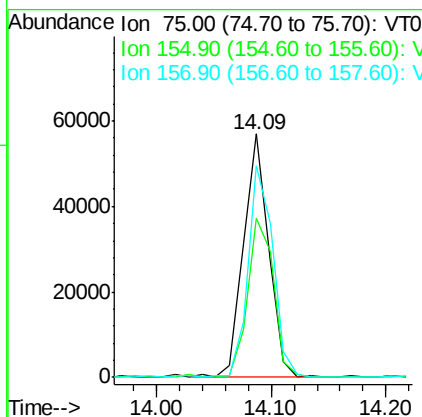
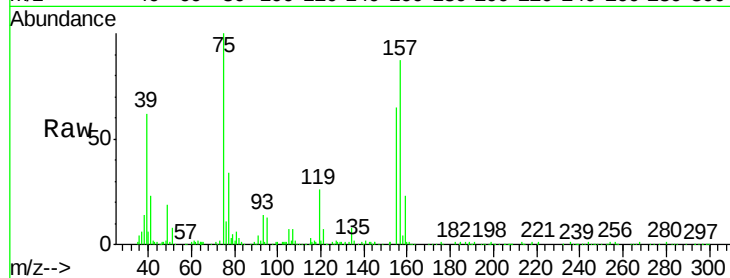




#91
 1,2-Dibromo-3-Chloropropane
 Concen: 53.47 ug/l
 RT: 14.09 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VT019047.D
 Acq: 9 May 2018 00:58

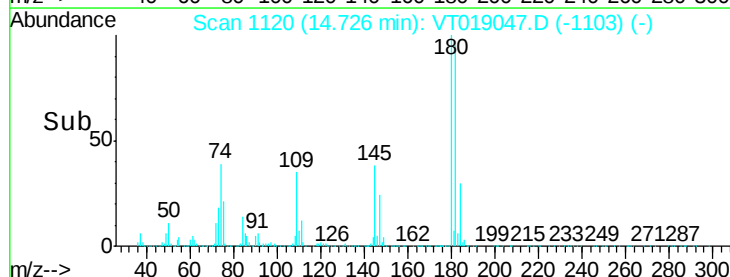
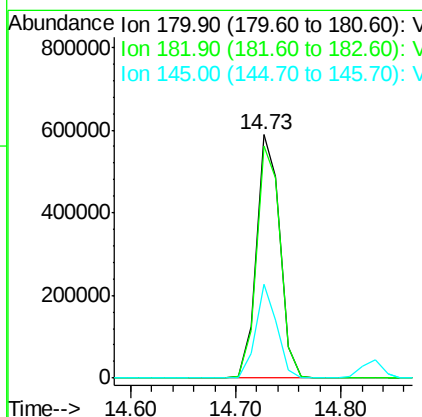
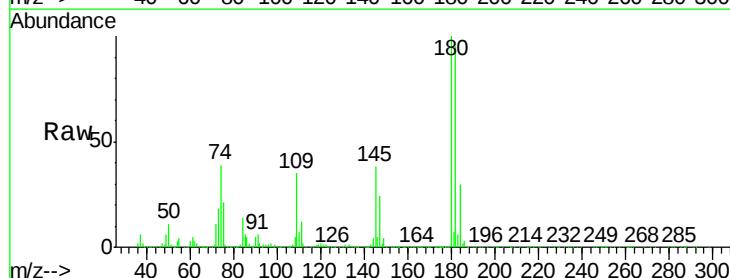
Instrument :
 MSVOA_T
 ClientSampleId :
 ICVVT050818

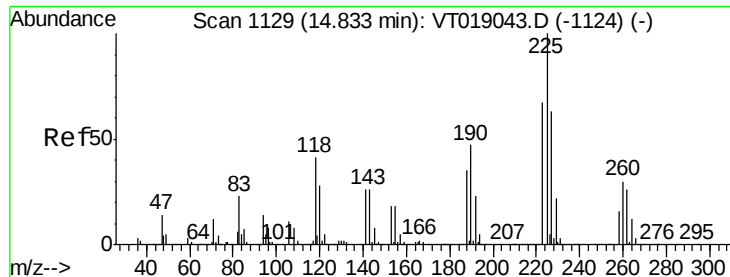
Tot Ion: 75 Resp: 87427
 Ion Ratio Lower Upper
 75 100
 155 65.2 35.6 106.8
 157 86.9 35.8 107.3



#92
 1,2,4-Trichlorobenzene
 Concen: 50.99 ug/l
 RT: 14.73 min Scan# 1120
 Delta R.T. -0.00 min
 Lab File: VT019047.D
 Acq: 9 May 2018 00:58

Tgt Ion: 180 Resp: 917625
 Ion Ratio Lower Upper
 180 100
 182 95.4 49.0 147.0
 145 38.3 18.3 54.9





#93

Hexachlorobutadiene

Concen: 50.88 ug/l

RT: 14.83 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

Instrument :

MSVOA_T

ClientSampleId :

ICVVT050818

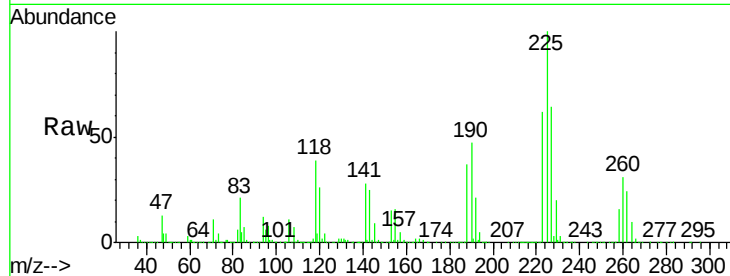
Tot Ion:225 Resp: 668887

Ion Ratio Lower Upper

225 100

223 62.5 33.5 100.4

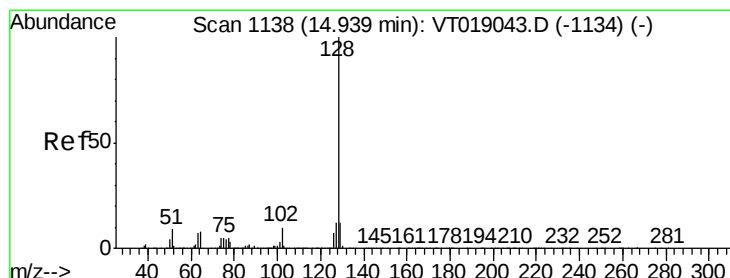
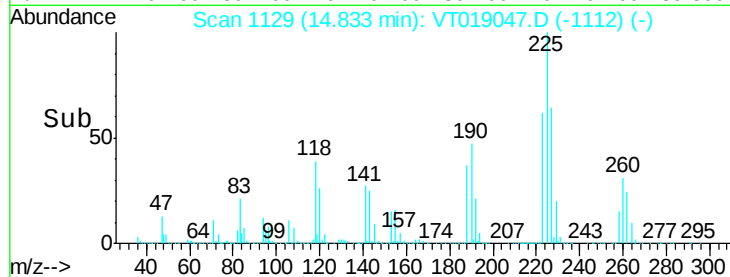
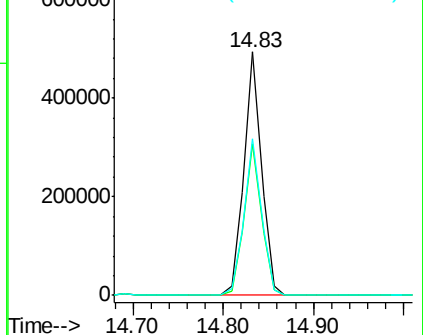
227 64.4 31.7 95.1



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: 55.94 ug/l

RT: 14.94 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VT019047.D

Acq: 9 May 2018 00:58

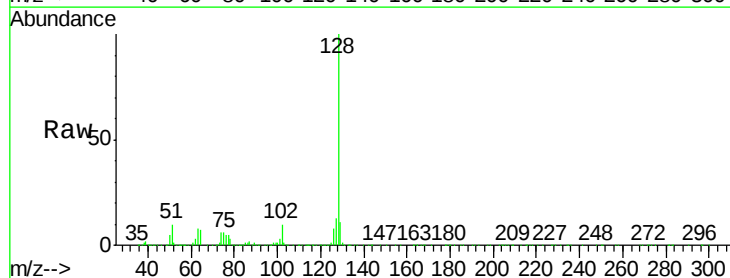
Tgt Ion:128 Resp: 1626379

Ion Ratio Lower Upper

128 100

127 12.9 9.9 14.9

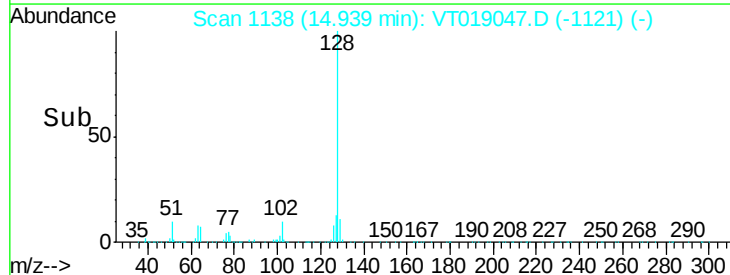
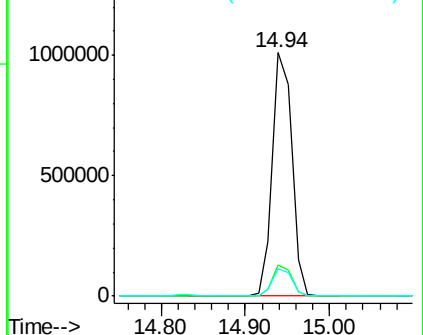
129 11.3 9.3 13.9

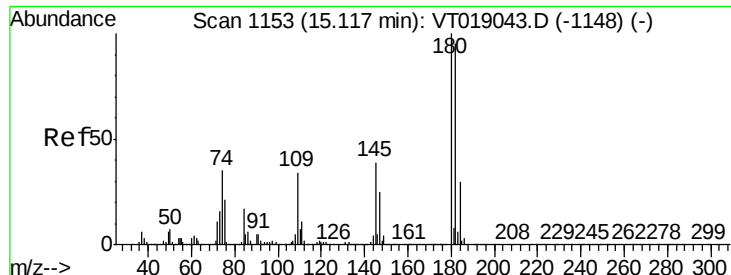


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#95
 1,2,3-Trichlorobenzene
 Concen: 51.33 ug/l
 RT: 15.12 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VT019047.D
 Acq: 9 May 2018 00:58

Instrument :
 MSVOA_T
 ClientSampleId :
 ICVVT050818

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.7	143.1
145	39.7	19.4	58.1

