

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054865.D
 Acq On : 1 Apr 2019 10:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 02 04:19:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	464041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	715550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	634242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	292107	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	309044	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	7.59	113	243616	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
50) Toluene-d8	10.09	98	927482	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.40	95	323130	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	220710	47.022	ug/l	99
3) Chloromethane	2.06	50	298774	46.036	ug/l	98
4) Vinyl Chloride	2.19	62	275994	47.355	ug/l	100
5) Bromomethane	2.57	94	143758	46.908	ug/l	94
6) Chloroethane	2.71	64	152897	46.981	ug/l	100
7) Trichlorofluoromethane	3.02	101	360417	50.300	ug/l	98
8) Diethyl Ether	3.41	74	114403	49.584	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	194912	51.673	ug/l	93
10) Methyl Iodide	3.94	142	243569	47.169	ug/l #	89
11) Tert butyl alcohol	4.82	59	84279	258.590	ug/l	100
12) 1,1-Dichloroethene	3.73	96	183007	50.171	ug/l #	76
13) Acrolein	3.61	56	33031	113.366	ug/l	95
14) Allyl chloride	4.32	41	437662	48.712	ug/l #	92
15) Acrylonitrile	4.99	53	454768	251.038	ug/l	99
16) Acetone	3.82	43	533046	357.343	ug/l #	83
17) Carbon Disulfide	4.04	76	579427	48.976	ug/l	99
18) Methyl Acetate	4.33	43	202976	52.283	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	633321	49.636	ug/l	92
20) Methylene Chloride	4.54	84	251180	47.736	ug/l #	79
21) trans-1,2-Dichloroethene	5.03	96	235958	49.249	ug/l	86
22) Diisopropyl ether	5.96	45	896688	50.461	ug/l #	94
23) Vinyl Acetate	5.90	43	3230804	261.260	ug/l #	92
24) 1,1-Dichloroethane	5.84	63	471304	49.720	ug/l	98
25) 2-Butanone	6.84	43	678237	307.590	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	350615	52.773	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	270990	50.068	ug/l	87
28) Bromochloromethane	7.19	49	265114	55.932	ug/l #	70
29) Tetrahydrofuran	7.22	42	379058	247.510	ug/l #	84
30) Chloroform	7.37	83	458262	50.699	ug/l	98
31) Cyclohexane	7.65	56	444717	51.552	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	381588	50.942	ug/l	95
36) 1,1-Dichloropropene	7.79	75	349852	52.471	ug/l	96
37) Ethyl Acetate	6.93	43	252352	51.611	ug/l	95
38) Carbon Tetrachloride	7.77	117	331473	51.185	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	397463	54.222	ug/l	89
40) Benzene	8.04	78	1017662	53.341	ug/l	100
41) Methacrylonitrile	7.18	41	141854	51.646	ug/l	90
42) 1,2-Dichloroethane	8.12	62	359201	52.730	ug/l	97
43) Isopropyl Acetate	8.17	43	443105	55.774	ug/l #	93
44) Trichloroethene	8.83	130	264116	53.330	ug/l	93
45) 1,2-Dichloropropane	9.12	63	281561	51.757	ug/l	100
46) Dibromomethane	9.21	93	163064	53.285	ug/l	88
47) Bromodichloromethane	9.40	83	352921	55.490	ug/l	97
48) Methyl methacrylate	9.20	41	219241	50.908	ug/l	90
49) 1,4-Dioxane	9.20	88	49386	1155.731	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1248024	279.405	ug/l	93
52) Toluene	10.15	92	611405	53.857	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	339516	56.750	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	408771	57.198	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	220522	52.241	ug/l	95
56) Ethyl methacrylate	10.43	69	294824	53.242	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	396228	54.598	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	518913	218.892	ug/l	90
59) 2-Hexanone	10.75	43	857883	300.020	ug/l	91
60) Dibromochloromethane	10.90	129	243453	56.935	ug/l	99
61) 1,2-Dibromoethane	11.00	107	218783	54.234	ug/l	99
64) Tetrachloroethene	10.63	164	256716	52.746	ug/l	96
65) Chlorobenzene	11.43	112	643402	51.813	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	246558	53.047	ug/l	99
67) Ethyl Benzene	11.51	91	1181522	52.727	ug/l	97
68) m/p-Xylenes	11.62	106	881733	106.328	ug/l	95
69) o-Xylene	11.95	106	420879	51.758	ug/l	94
70) Styrene	11.96	104	718525	55.263	ug/l	97
71) Bromoform	12.13	173	150646	55.325	ug/l #	100
73) Isopropylbenzene	12.25	105	1139353	47.720	ug/l	97
74) N-amyl acetate	12.07	43	365900	49.192	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	270233	51.391	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	329569	64.945	ug/l #	100
77) Bromobenzene	12.53	156	278986	48.416	ug/l	85
78) n-propylbenzene	12.59	91	1316402	50.164	ug/l	95
79) 2-Chlorotoluene	12.67	91	778066	47.925	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	958771	48.940	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	65325	50.073	ug/l #	83
82) 4-Chlorotoluene	12.77	91	786197	49.857	ug/l	95
83) tert-Butylbenzene	12.99	119	806732	53.284	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	943553	50.554	ug/l	97
85) sec-Butylbenzene	13.17	105	1069426	50.251	ug/l	97
86) p-Isopropyltoluene	13.29	119	957702	51.022	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	490199	50.811	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	478931	50.615	ug/l	98
89) n-Butylbenzene	13.61	91	823106	53.747	ug/l	97
90) Hexachloroethane	13.87	117	159860	50.162	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	477469	49.039	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42242	51.754	ug/l	87

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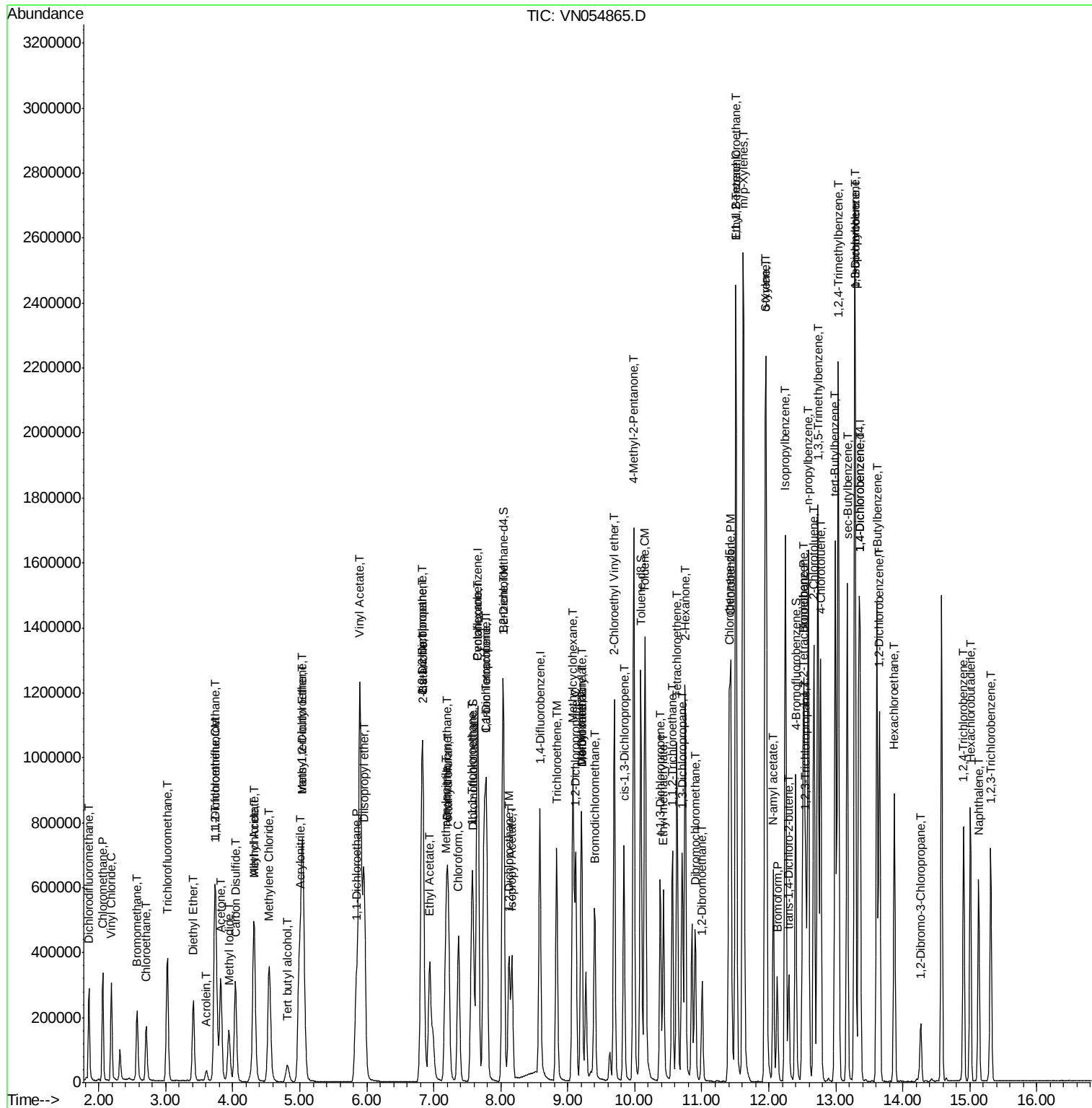
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	254239	54.162	ug/l	98
94) Hexachlorobutadiene	15.01	225	160685	58.144	ug/l	99
95) Naphthalene	15.13	128	514400	48.861	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	243818	51.432	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

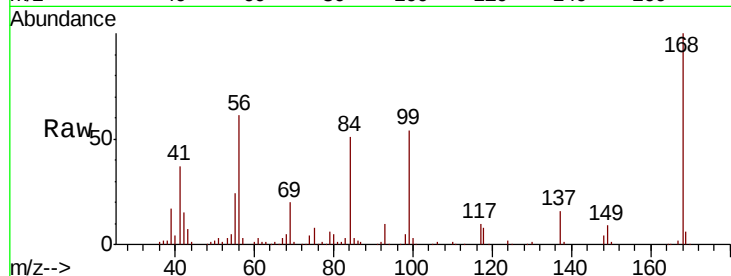
VSTDCCC050

Tot Ion:168 Resp: 464041

Ion Ratio Lower Upper

168 100

99 53.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

150000

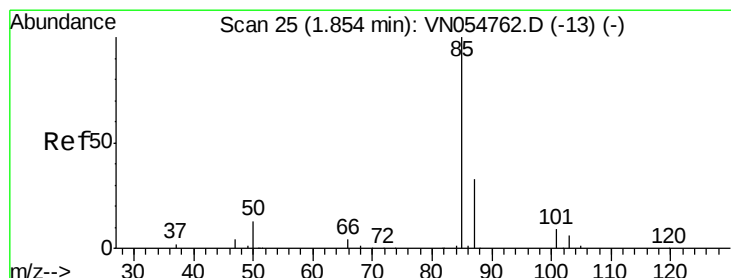
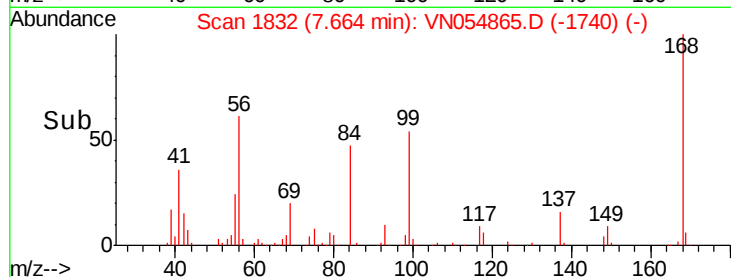
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.022 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054865.D

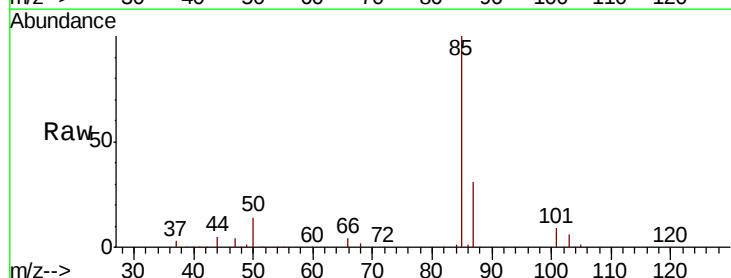
Acq: 1 Apr 2019 10:08

Tgt Ion: 85 Resp: 220710

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

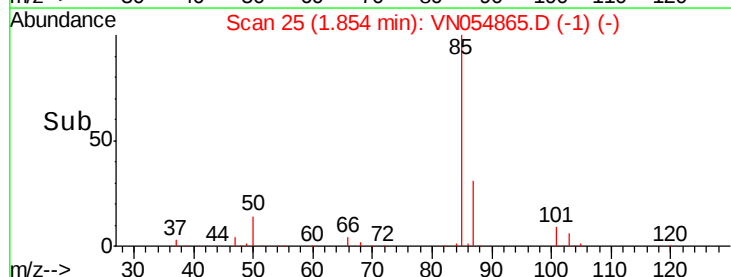
100000

50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.036 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

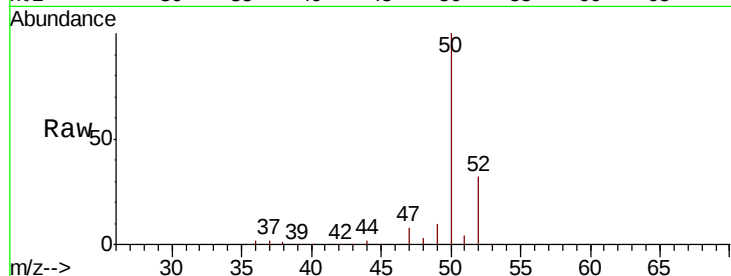
VSTDCCC050

Tot Ion: 50 Resp: 298774

Ion Ratio Lower Upper

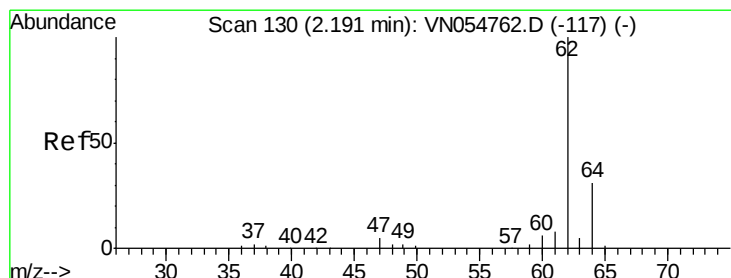
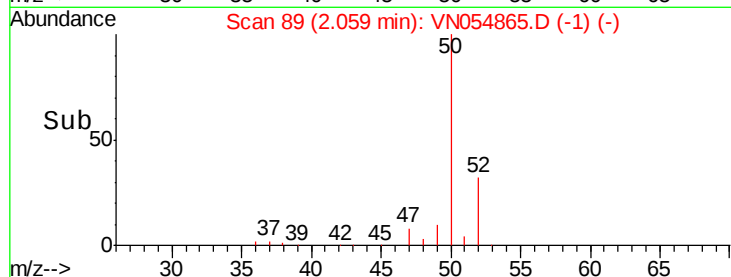
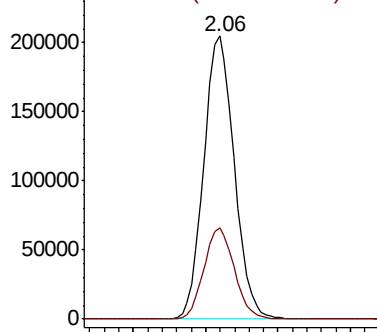
50 100

52 32.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.355 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054865.D

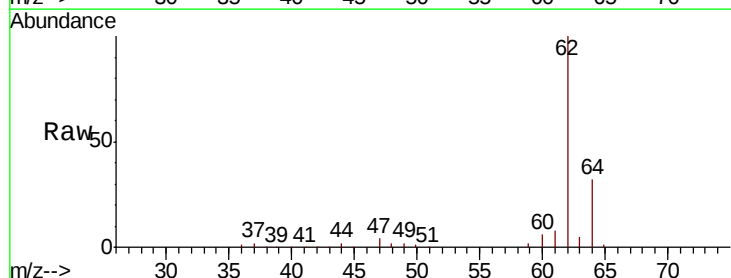
Acq: 1 Apr 2019 10:08

Tgt Ion: 62 Resp: 275994

Ion Ratio Lower Upper

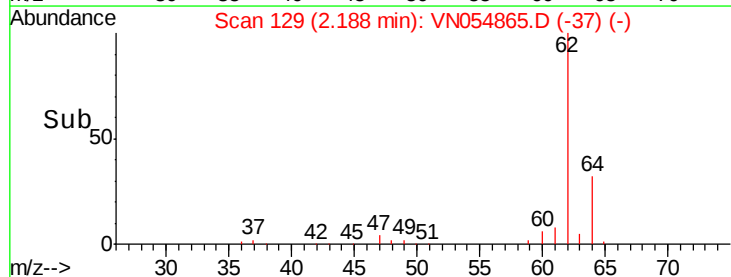
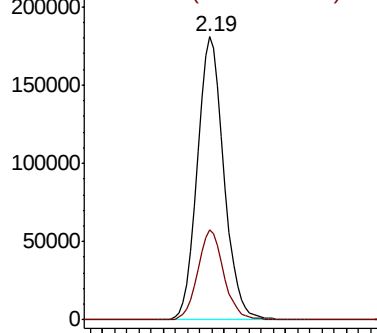
62 100

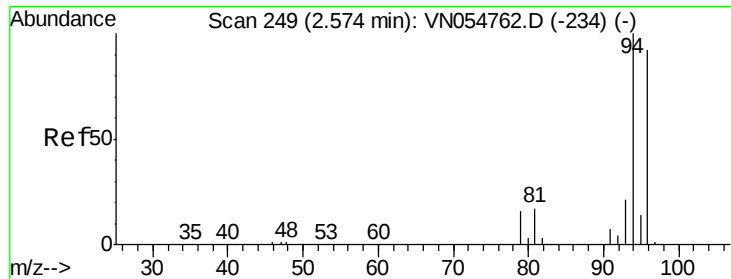
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 46.908 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

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Acq: 1 Apr 2019 10:08

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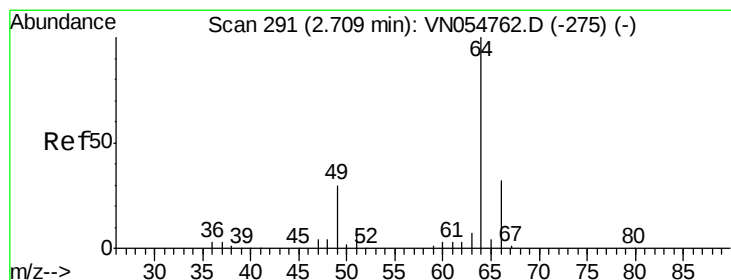
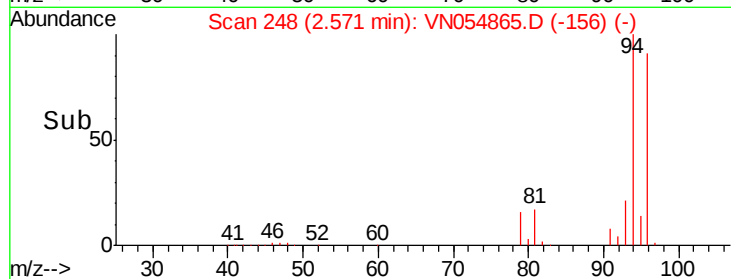
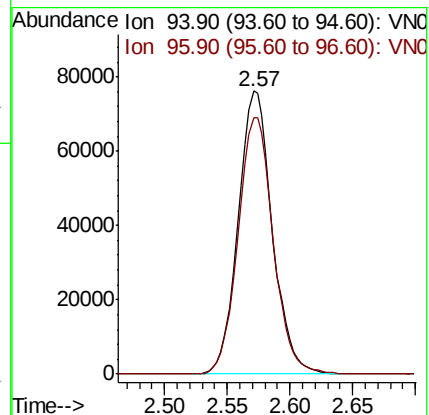
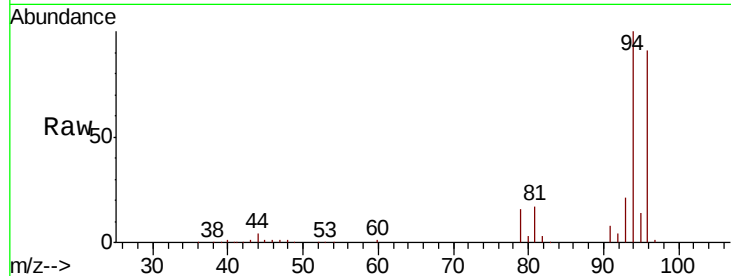
VSTDCCC050

Tot Ion: 94 Resp: 143758

Ion Ratio Lower Upper

94 100

96 90.5 77.0 115.4



#6

Chloroethane

Concen: 46.981 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054865.D

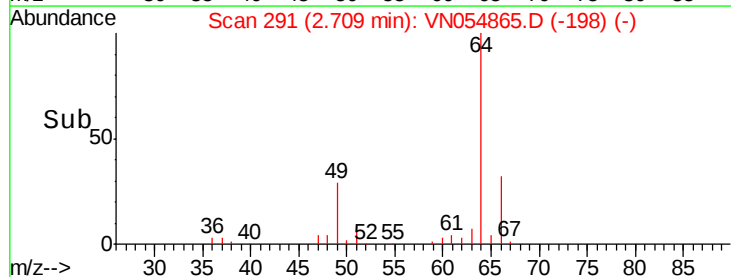
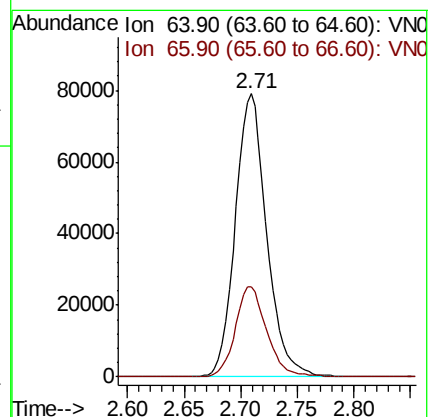
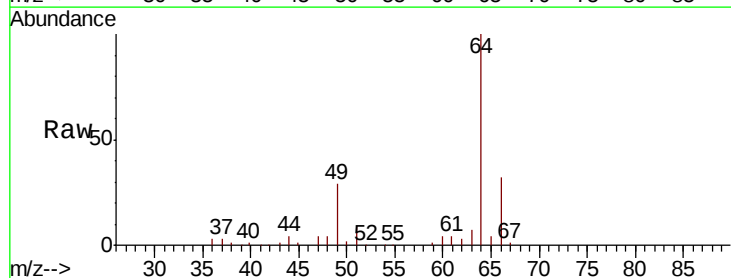
Acq: 1 Apr 2019 10:08

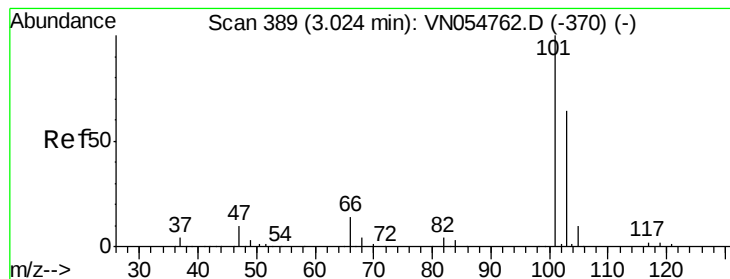
Tgt Ion: 64 Resp: 152897

Ion Ratio Lower Upper

64 100

66 31.9 25.7 38.5





#7

Trichlorofluoromethane

Concen: 50.300 ug/l

RT: 3.02 min Scan# 388

Delta R.T. -0.00 min

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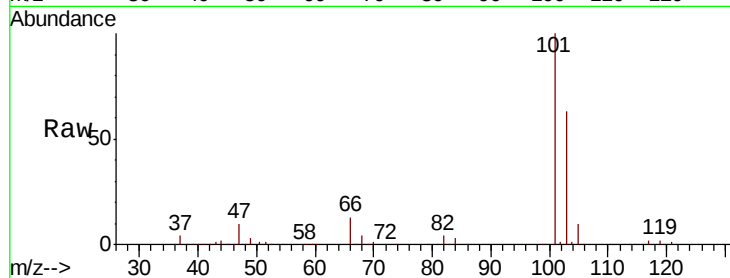
VSTDCCC050

Tot Ion:101 Resp: 360417

Ion Ratio Lower Upper

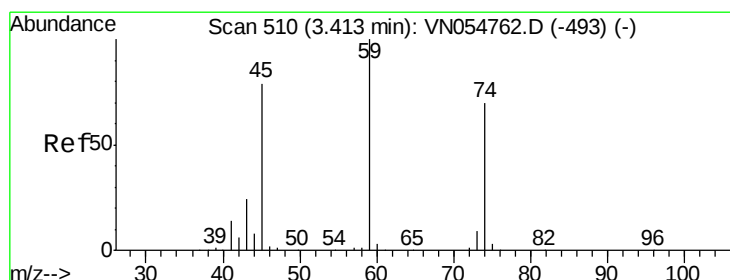
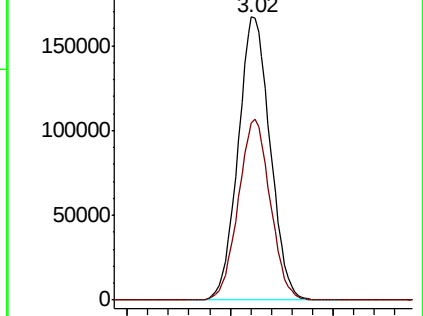
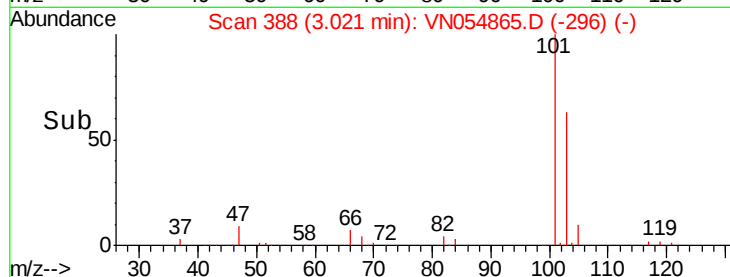
101 100

103 62.8 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 49.584 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN054865.D

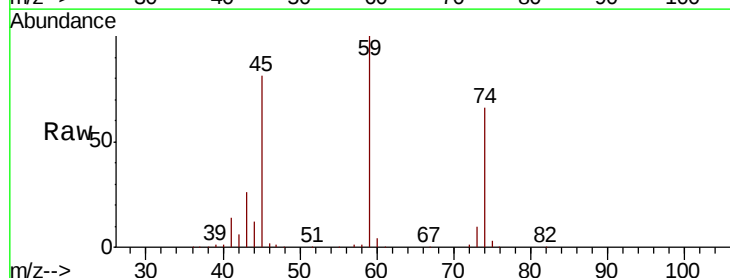
Acq: 1 Apr 2019 10:08

Tgt Ion: 74 Resp: 114403

Ion Ratio Lower Upper

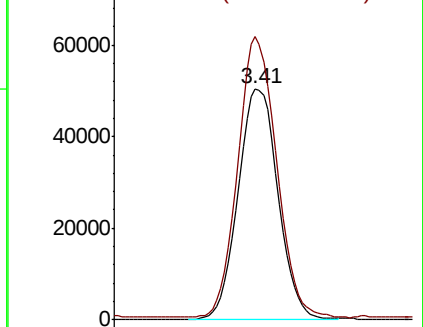
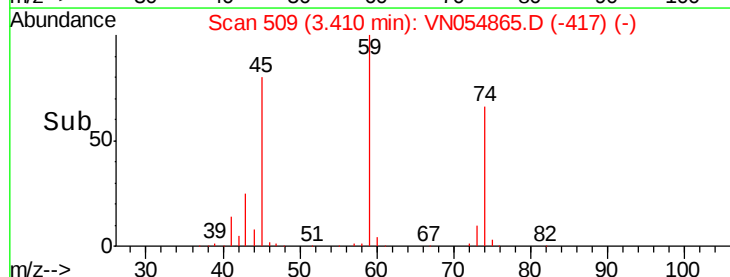
74 100

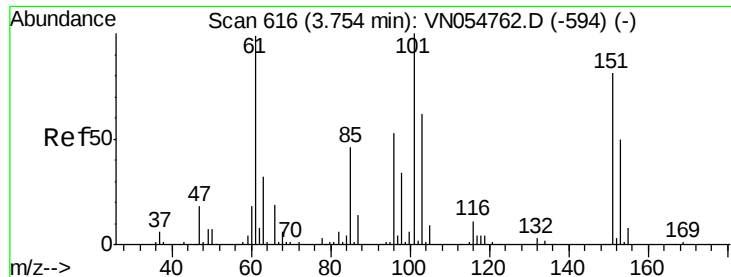
45 117.6 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.673 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

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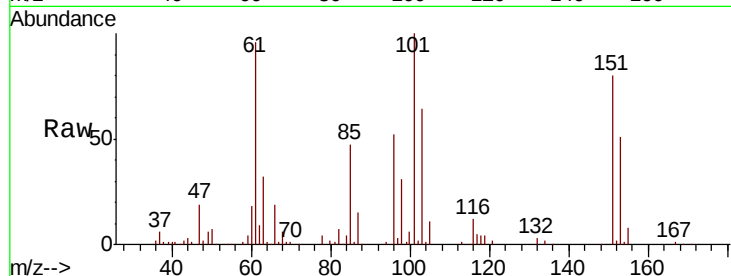
Tot Ion:101 Resp: 194912

Ion Ratio Lower Upper

101 100

85 45.6 32.4 48.6

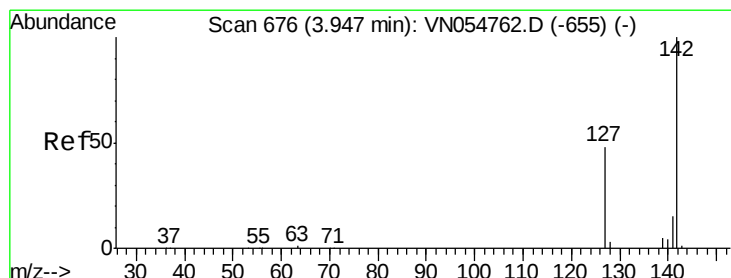
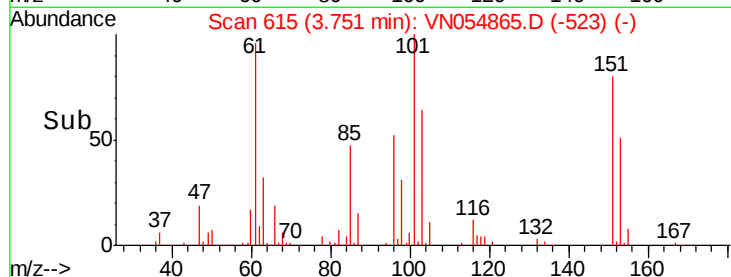
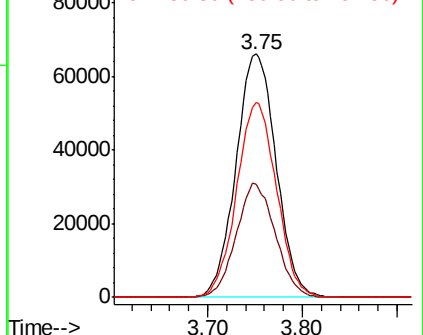
151 79.3 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.169 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

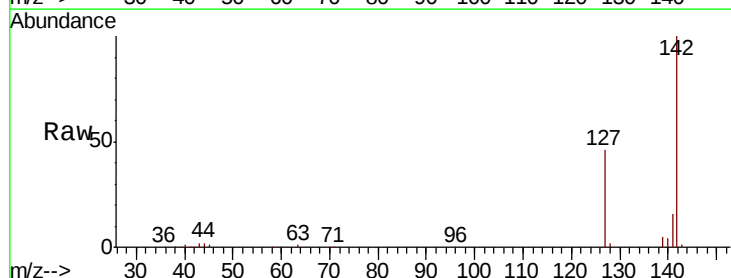
Tgt Ion:142 Resp: 243569

Ion Ratio Lower Upper

142 100

127 46.7 30.3 45.5#

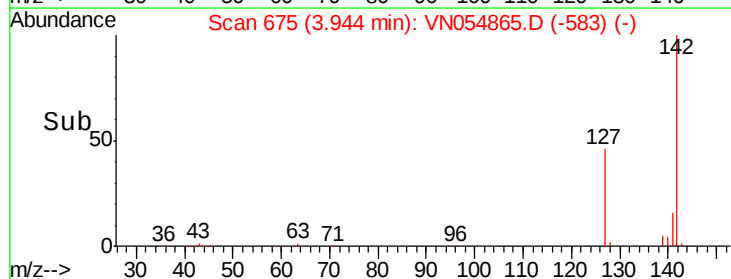
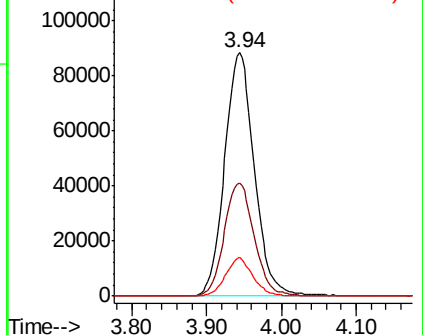
141 14.4 11.2 16.8

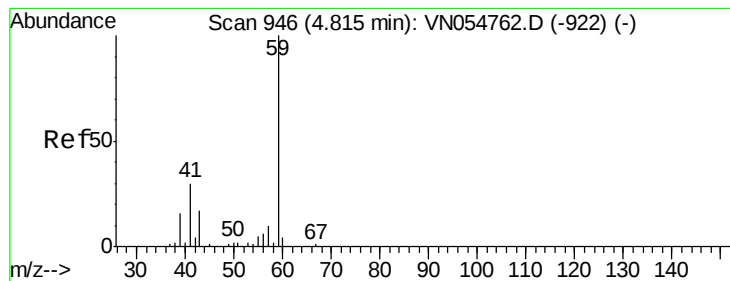


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



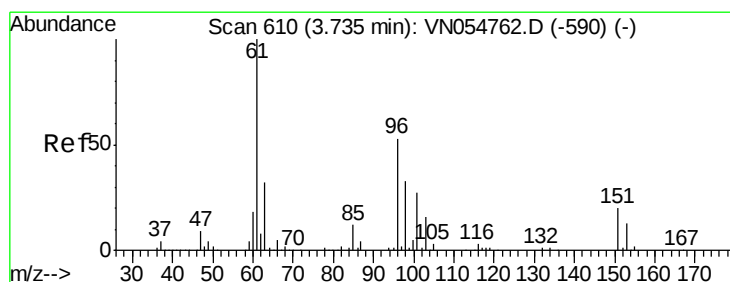
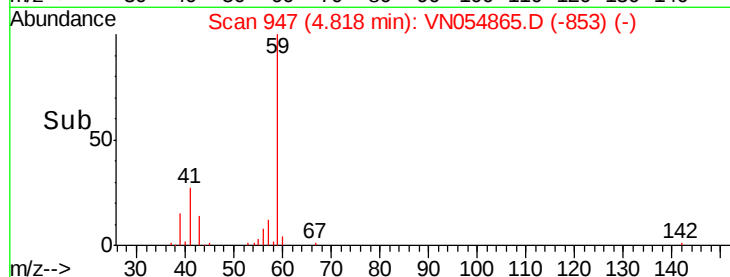
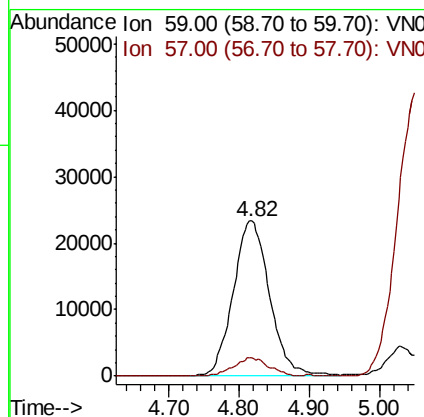
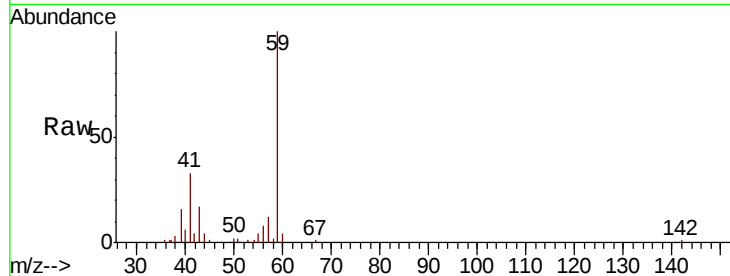


#11

Tert butyl alcohol
 Concen: 258.590 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

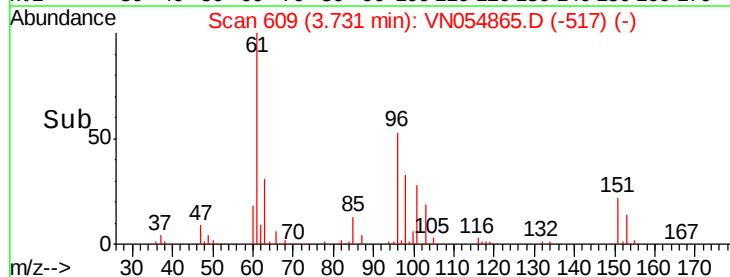
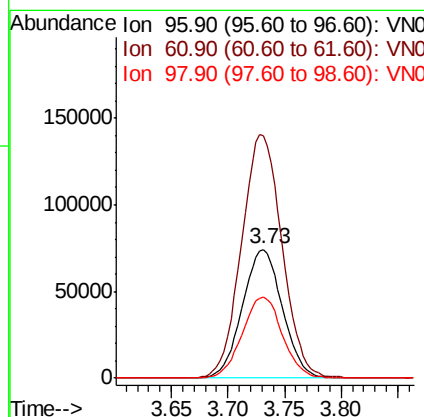
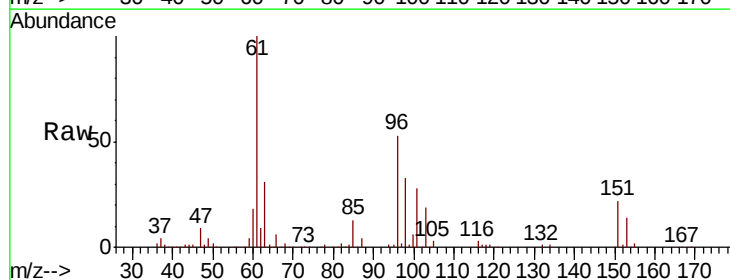
Tot Ion: 59 Resp: 84279
 Ion Ratio Lower Upper
 59 100
 57 11.2 9.0 13.6

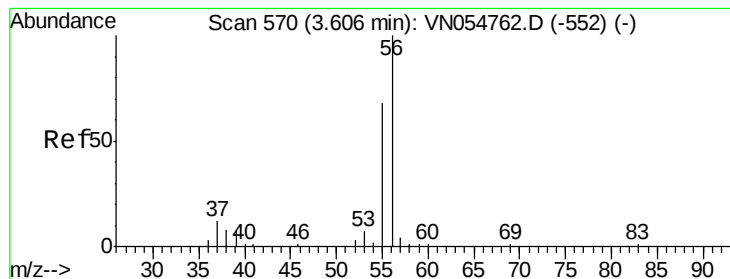


#12

1,1-Dichloroethene
 Concen: 50.171 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion: 96 Resp: 183007
 Ion Ratio Lower Upper
 96 100
 61 187.4 116.5 174.7#
 98 62.7 51.0 76.4





#13

Acrolein

Concen: 113.366 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

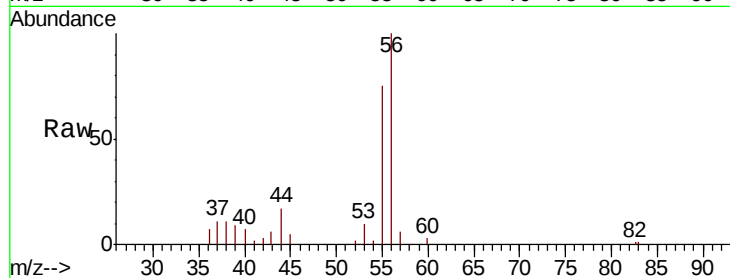
VSTDCCC050

Tot Ion: 56 Resp: 33031

Ion Ratio Lower Upper

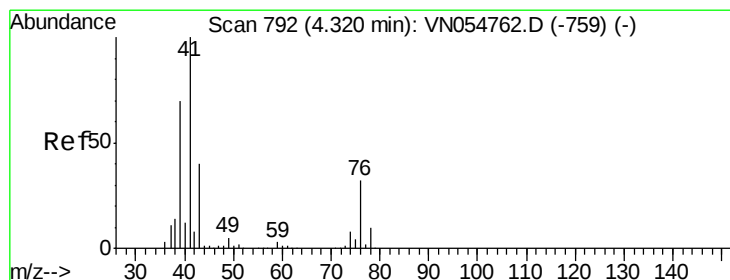
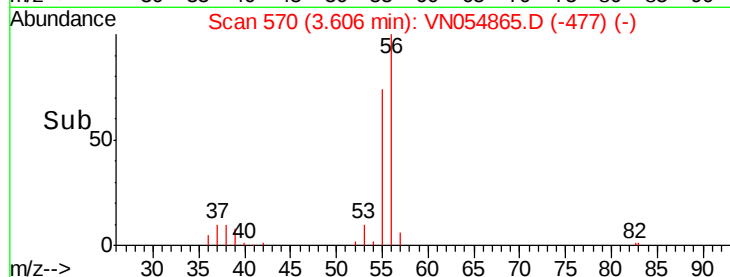
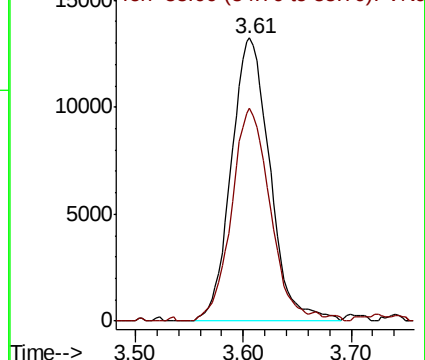
56 100

55 74.7 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.712 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

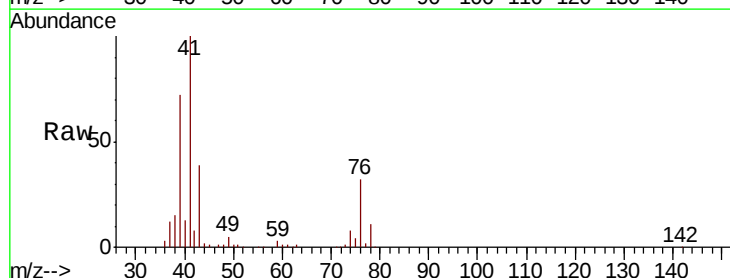
Tgt Ion: 41 Resp: 437662

Ion Ratio Lower Upper

41 100

39 70.3 58.2 87.4

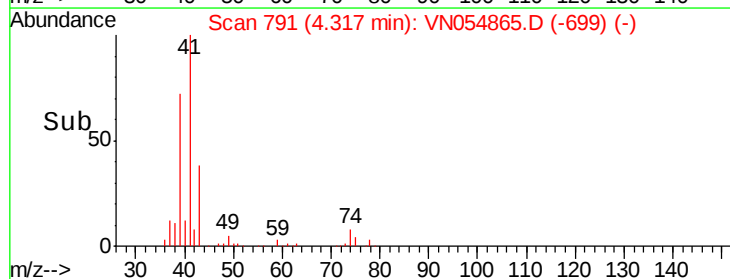
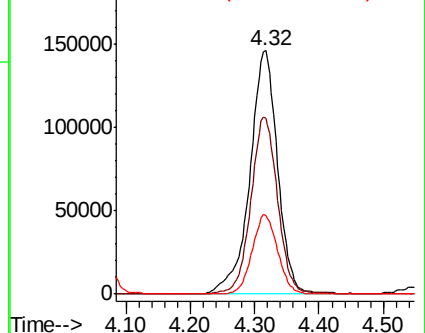
76 29.5 31.7 47.5#

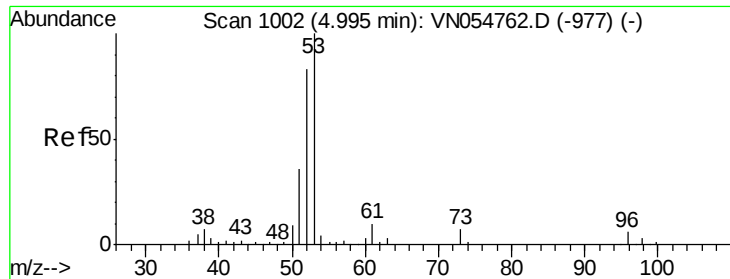


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 251.038 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

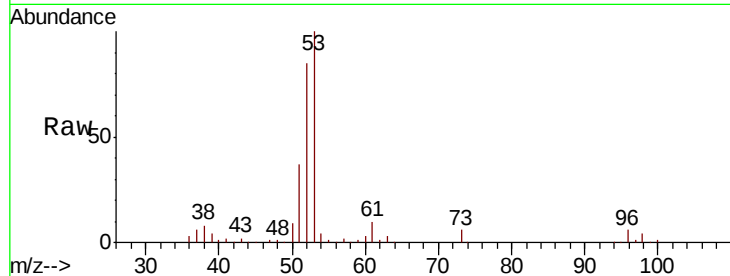
Tot Ion: 53 Resp: 454768

Ion Ratio Lower Upper

53 100

52 82.4 66.4 99.6

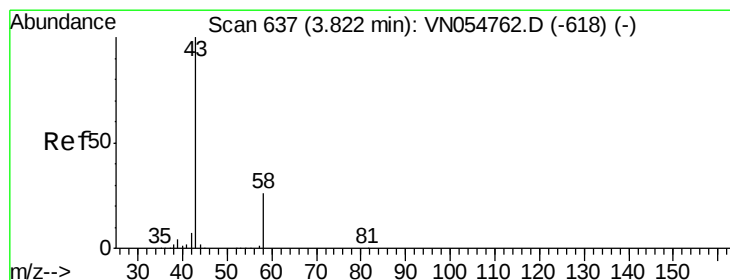
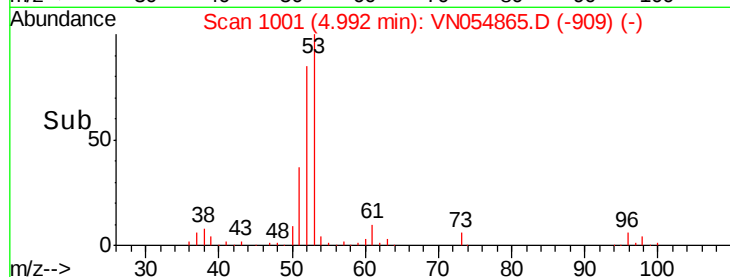
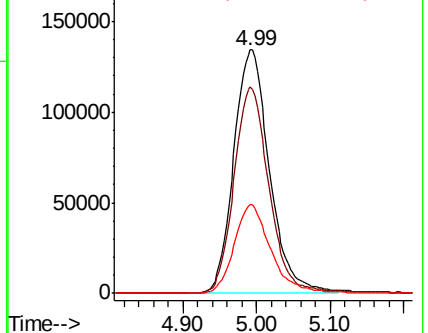
51 37.2 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 357.343 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054865.D

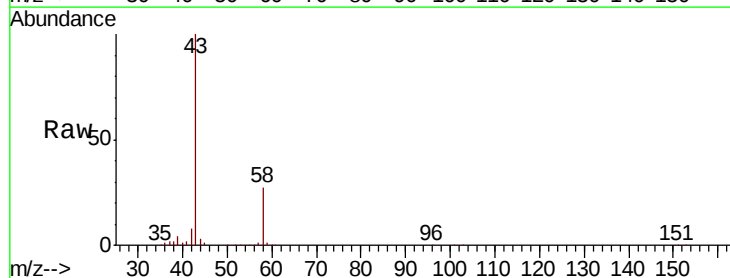
Acq: 1 Apr 2019 10:08

Tgt Ion: 43 Resp: 533046

Ion Ratio Lower Upper

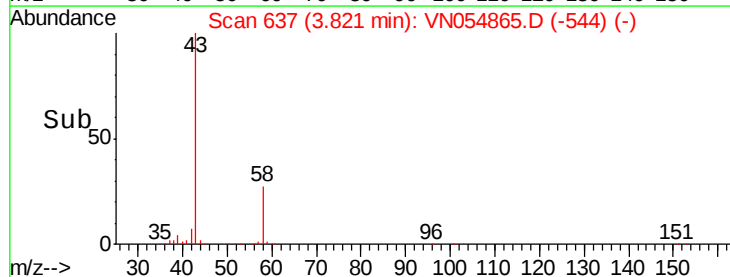
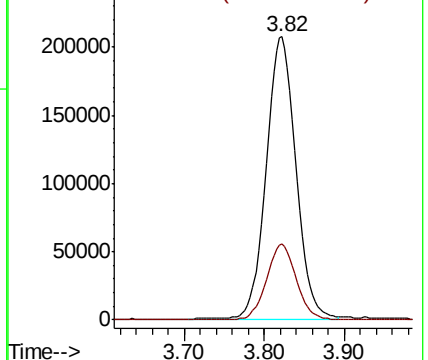
43 100

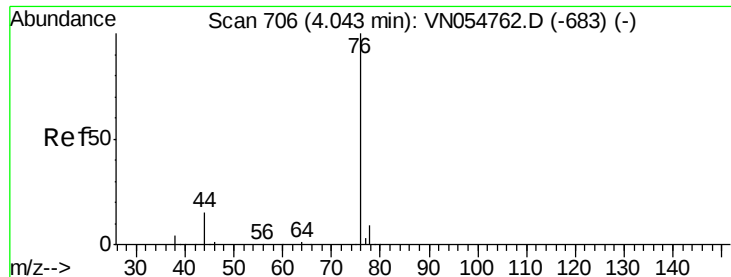
58 27.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

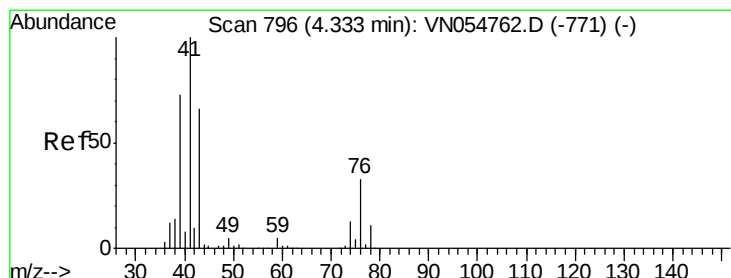
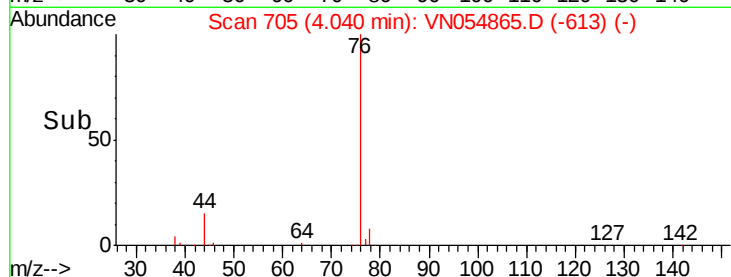
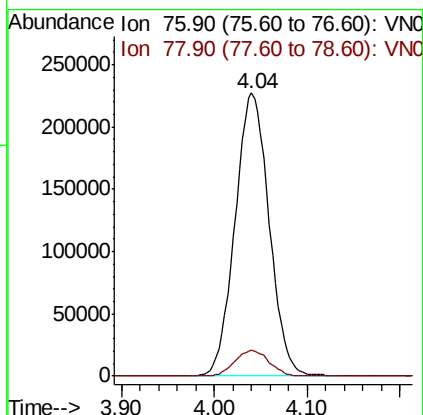
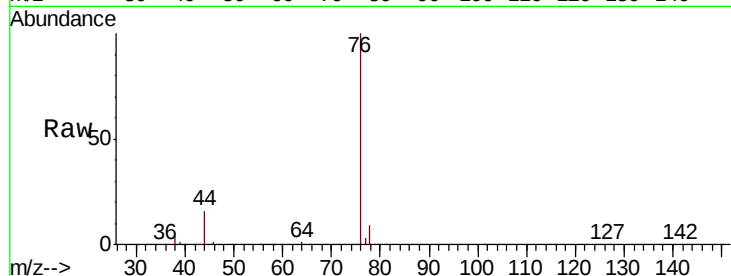




#17
Carbon Disulfide
Concen: 48.976 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

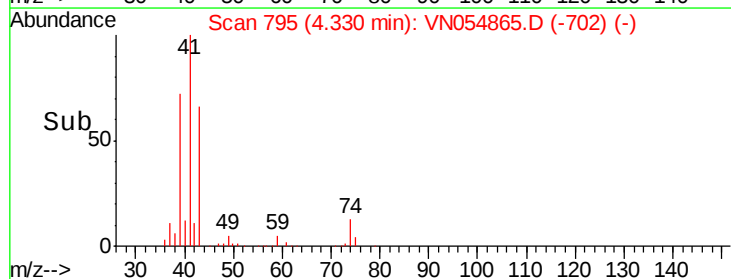
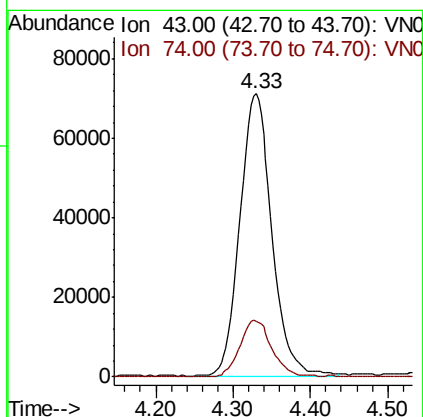
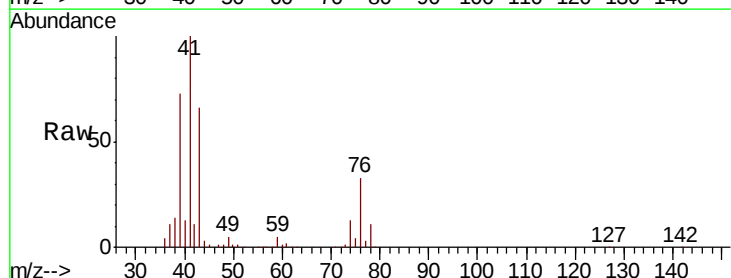
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

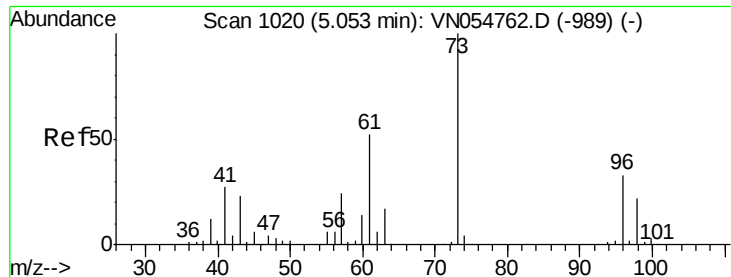
Tot Ion: 76 Resp: 579427
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3



#18
Methyl Acetate
Concen: 52.283 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion: 43 Resp: 202976
Ion Ratio Lower Upper
43 100
74 20.0 20.8 31.2#

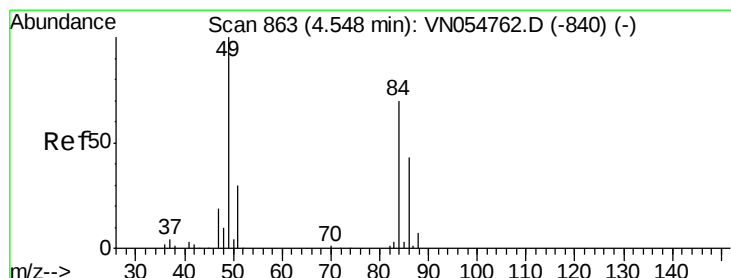
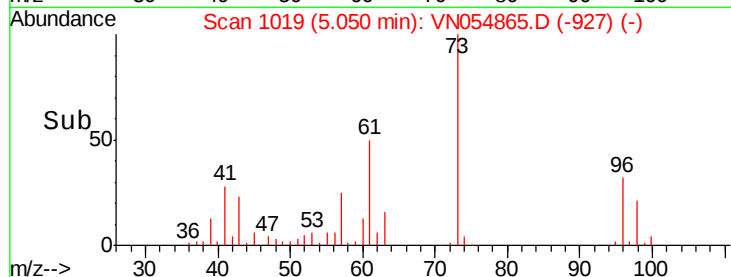
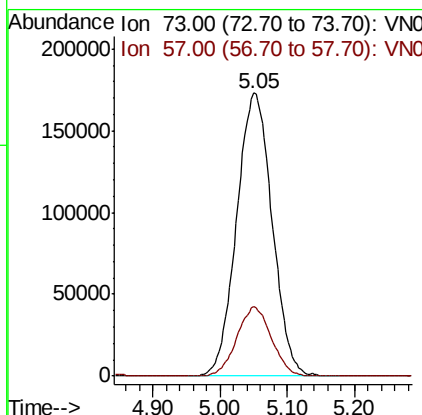
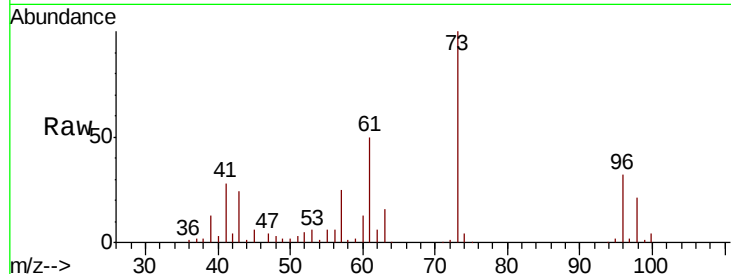




#19
Methyl tert-butyl Ether
Concen: 49.636 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

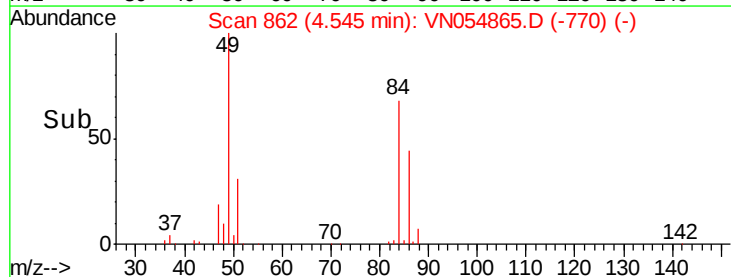
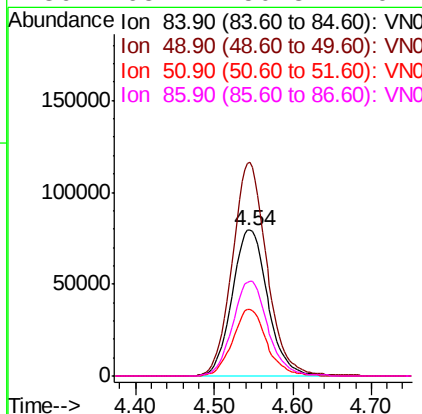
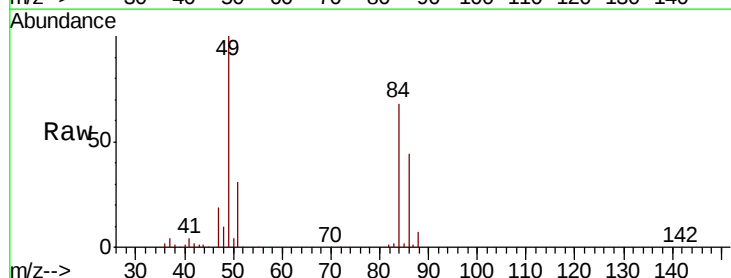
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

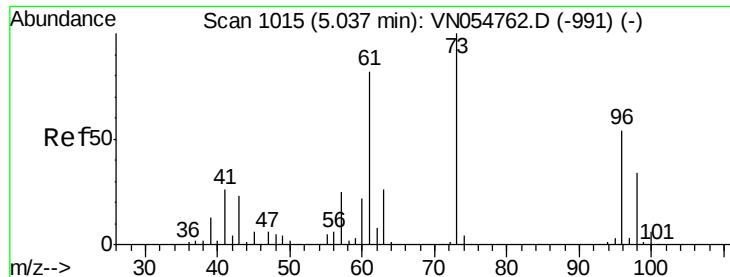
Tot Ion: 73 Resp: 633321
Ion Ratio Lower Upper
73 100
57 24.6 16.8 25.2



#20
Methylene Chloride
Concen: 47.736 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion: 84 Resp: 251180
Ion Ratio Lower Upper
84 100
49 146.6 89.7 134.5#
51 46.1 28.2 42.4#
86 65.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 49.249 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

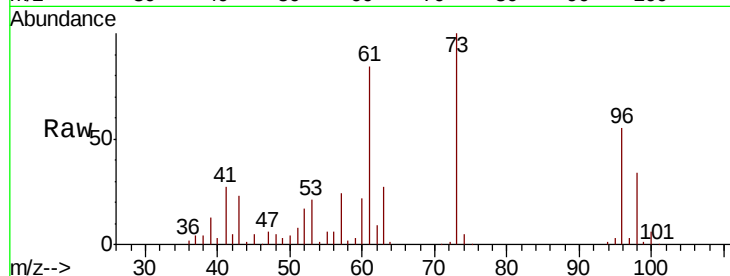
Tot Ion: 96 Resp: 235958

Ion Ratio Lower Upper

96 100

61 151.2 102.8 154.2

98 61.2 50.0 75.0

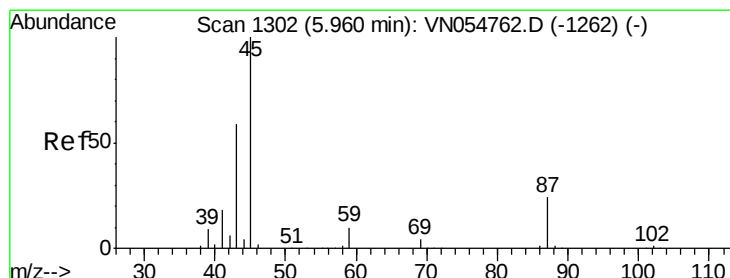
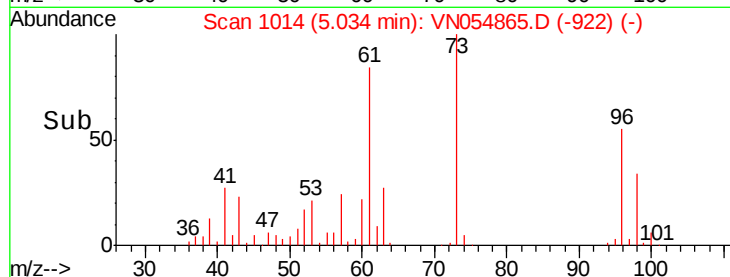
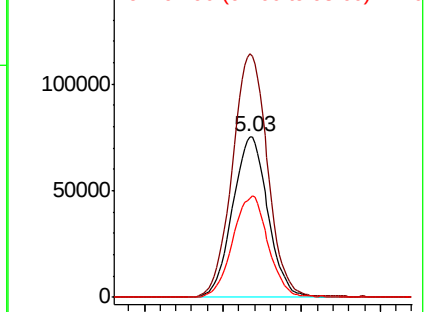


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.461 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Tgt Ion: 45 Resp: 896688

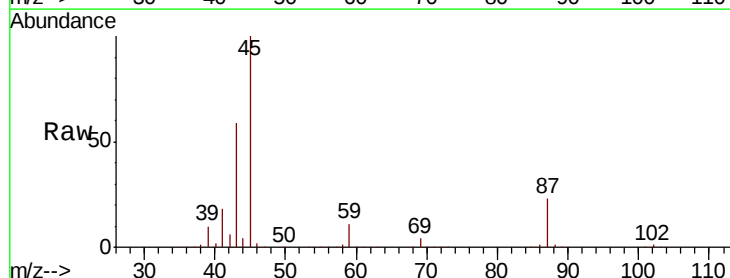
Ion Ratio Lower Upper

45 100

43 58.4 48.2 72.2

87 22.9 24.9 37.3#

59 10.6 9.5 14.3



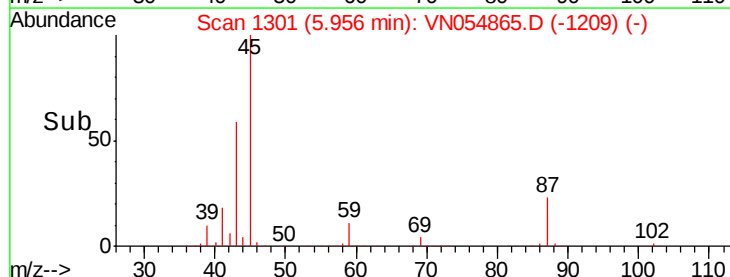
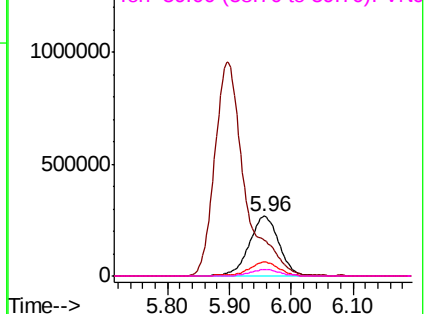
Abundance

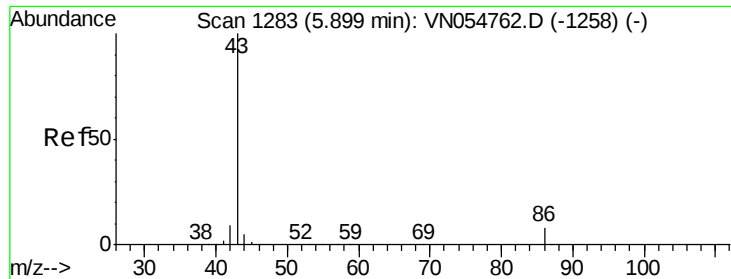
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

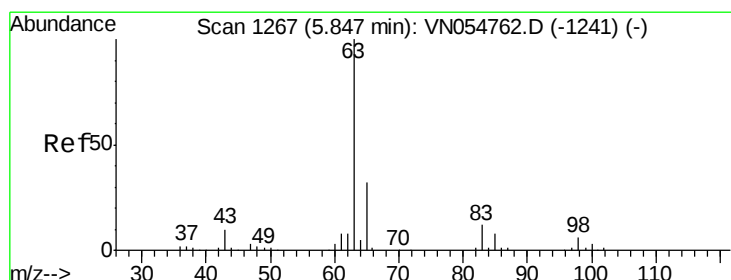
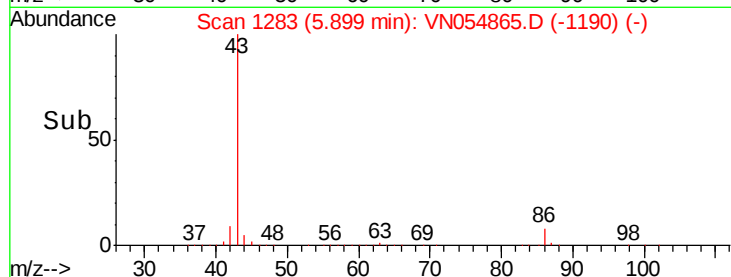
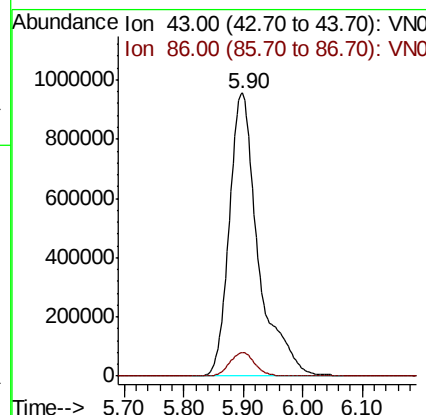
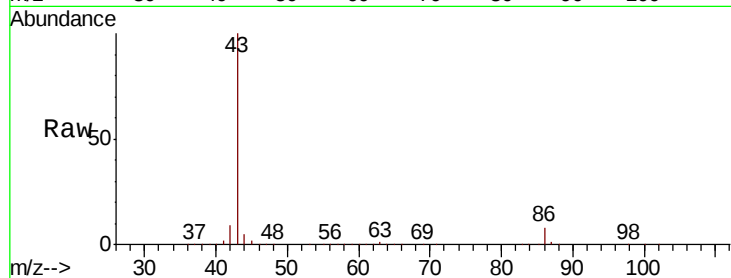




#23
 Vinyl Acetate
 Concen: 261.260 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

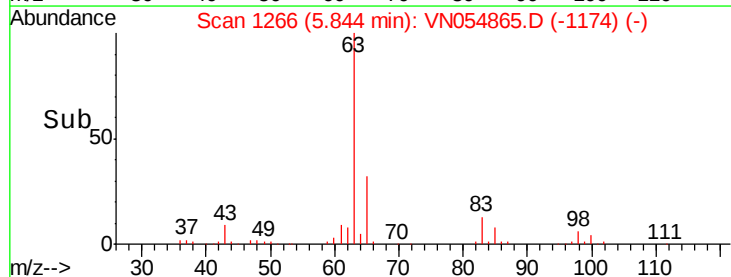
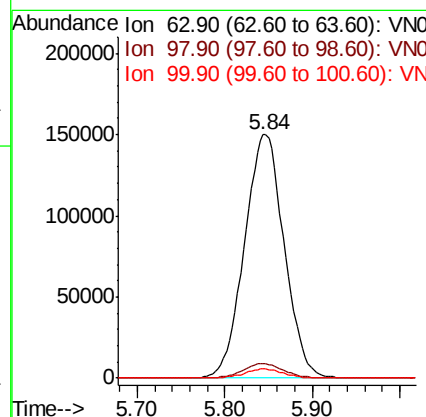
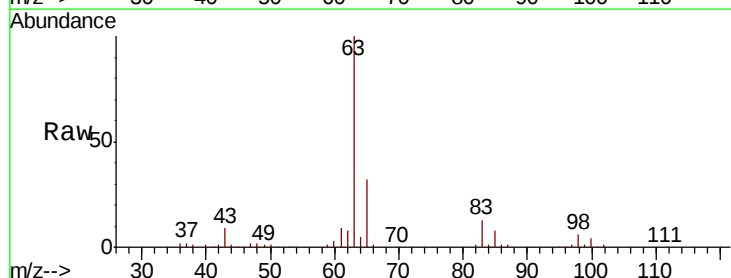
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

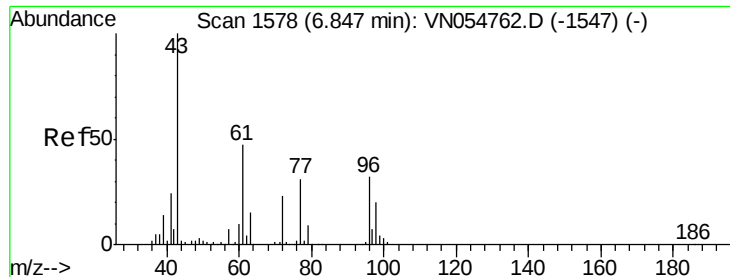
Tot Ion: 43 Resp: 3230804
 Ion Ratio Lower Upper
 43 100
 86 8.4 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 49.720 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion: 63 Resp: 471304
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.5 10.5
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 307.590 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

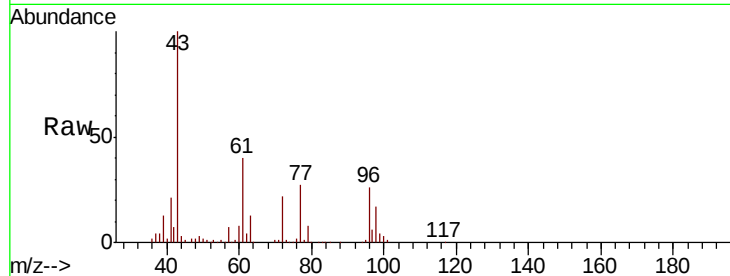
VSTDCCC050

Tot Ion: 43 Resp: 678237

Ion Ratio Lower Upper

43 100

72 21.8 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

250000

200000

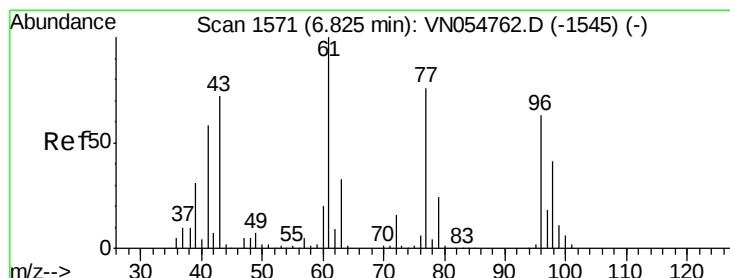
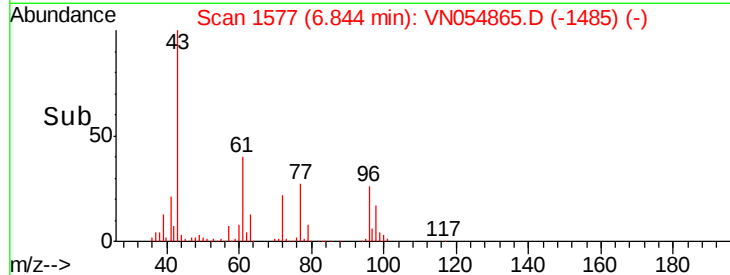
150000

100000

50000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 52.773 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054865.D

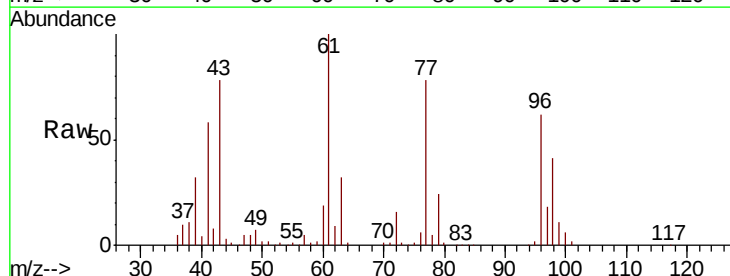
Acq: 1 Apr 2019 10:08

Tgt Ion: 77 Resp: 350615

Ion Ratio Lower Upper

77 100

97 22.4 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

120000

100000

80000

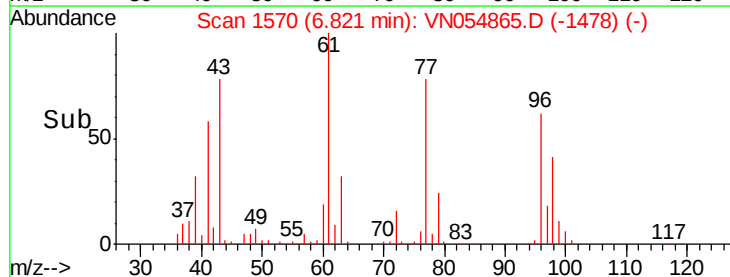
60000

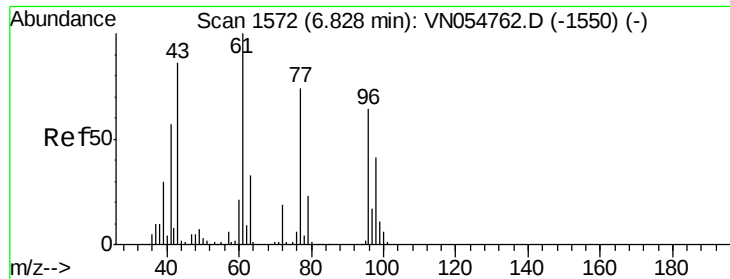
40000

20000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 50.068 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

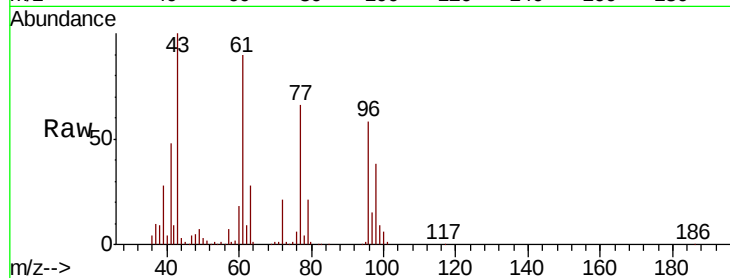
Tot Ion: 96 Resp: 270990

Ion Ratio Lower Upper

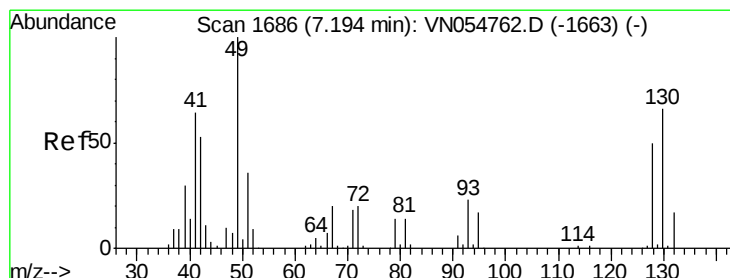
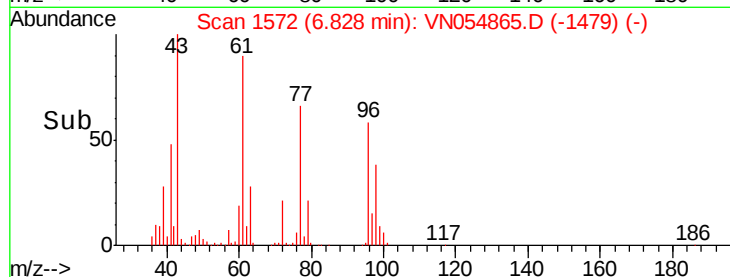
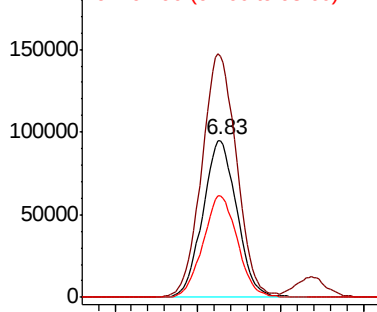
96 100

61 158.8 0.0 273.0

98 65.3 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 55.932 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

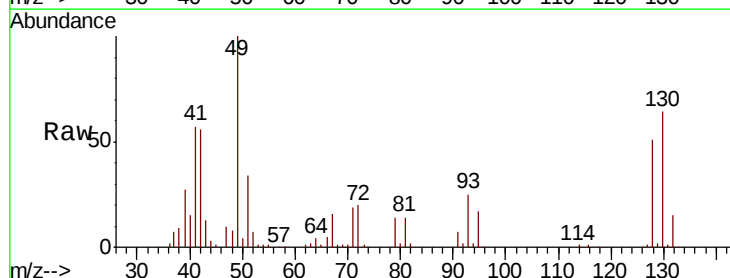
Tgt Ion: 49 Resp: 265114

Ion Ratio Lower Upper

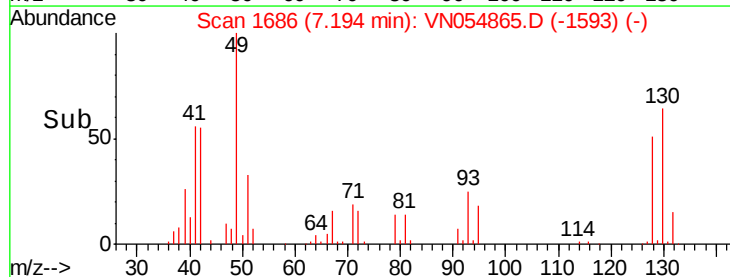
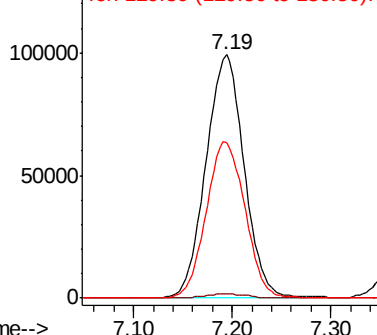
49 100

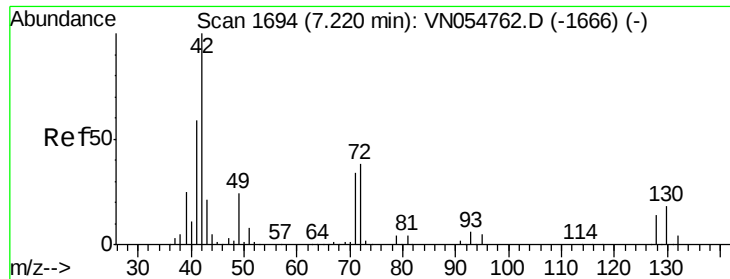
129 2.0 0.0 4.6

130 65.6 76.7 115.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

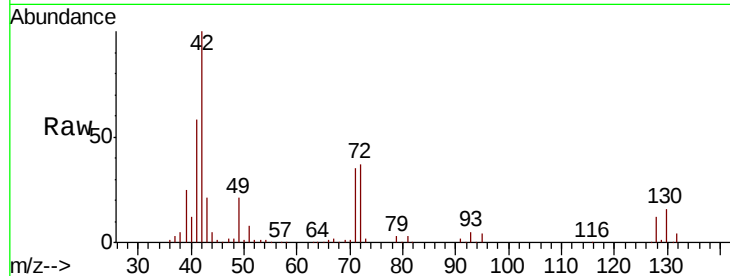




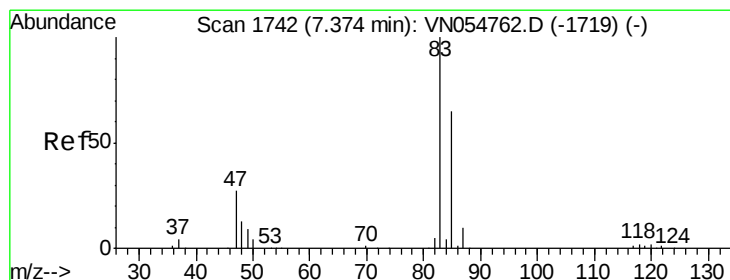
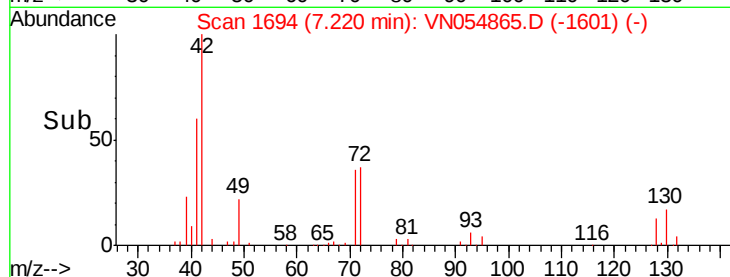
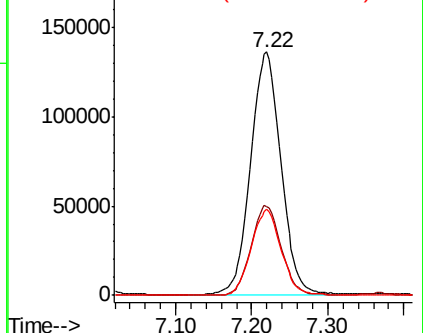
#29
Tetrahydrofuran
Concen: 247.510 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 379058
Ion Ratio Lower Upper
42 100
72 36.2 37.8 56.6#
71 34.8 36.2 54.2#

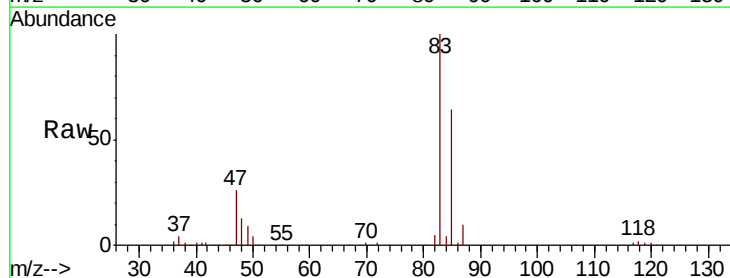


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

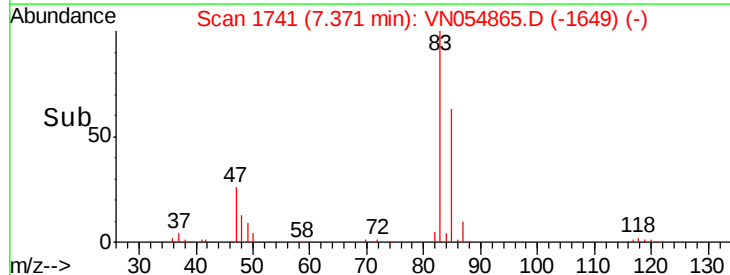
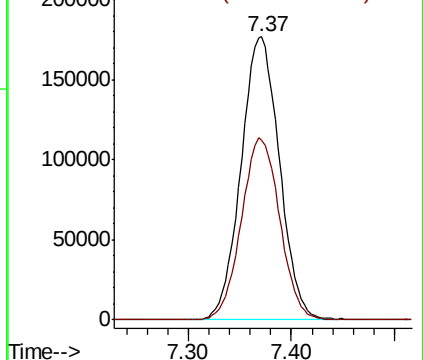


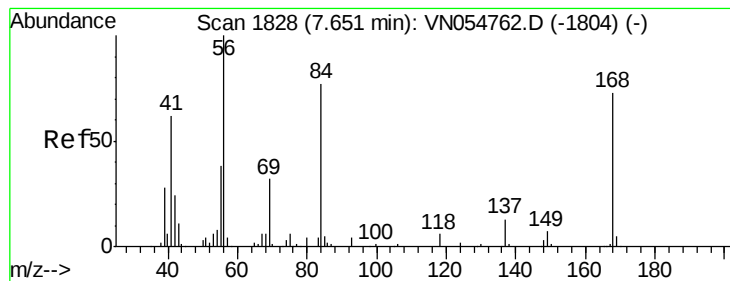
#30
Chloroform
Concen: 50.699 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion: 83 Resp: 458262
Ion Ratio Lower Upper
83 100
85 63.7 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 51.552 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

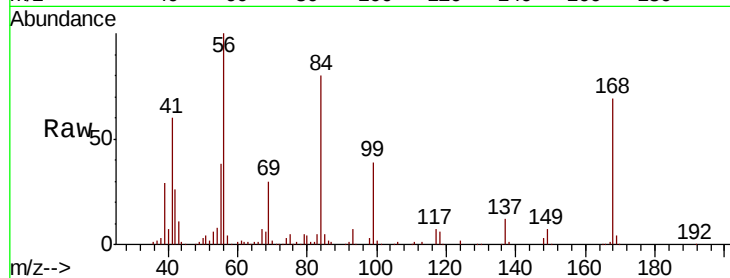
Tot Ion: 56 Resp: 444717

Ion Ratio Lower Upper

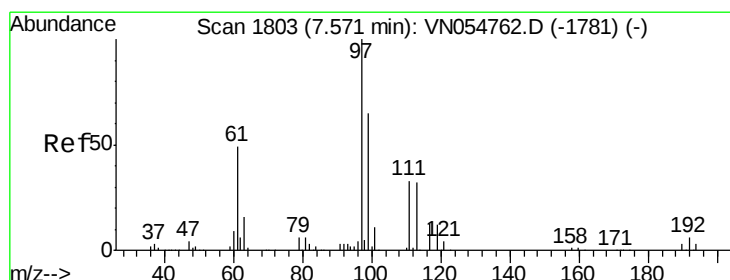
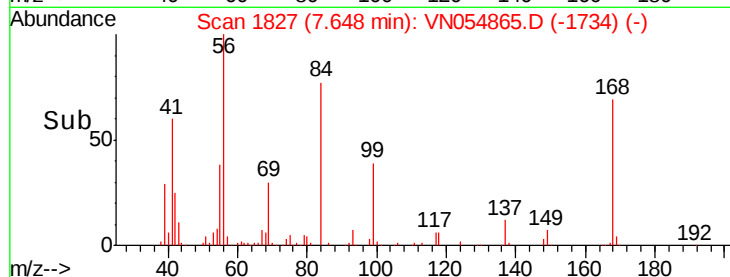
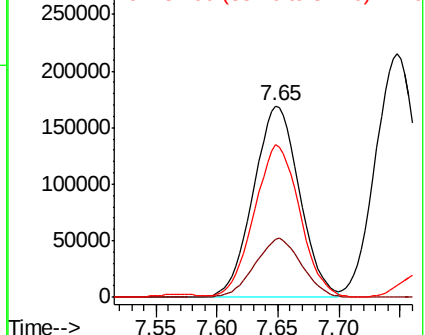
56 100

69 30.1 27.8 41.6

84 78.2 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 50.942 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

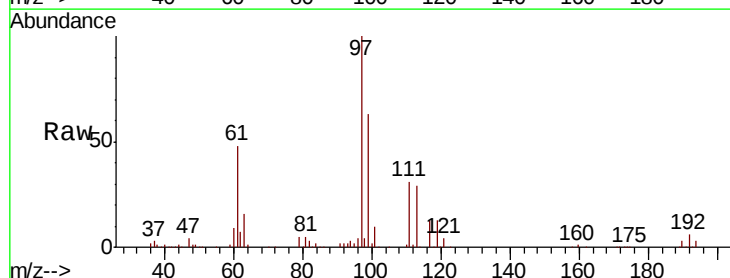
Tgt Ion: 97 Resp: 381588

Ion Ratio Lower Upper

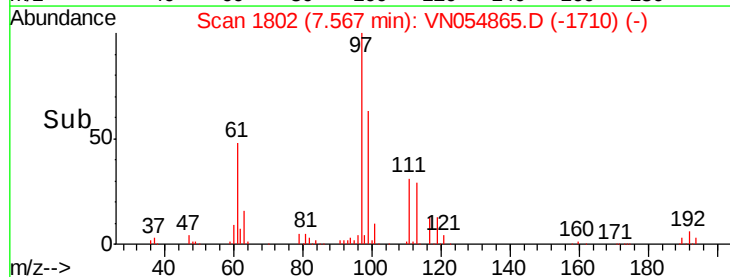
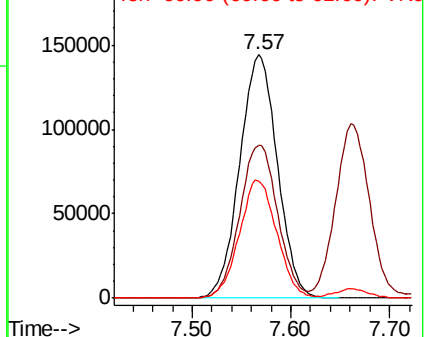
97 100

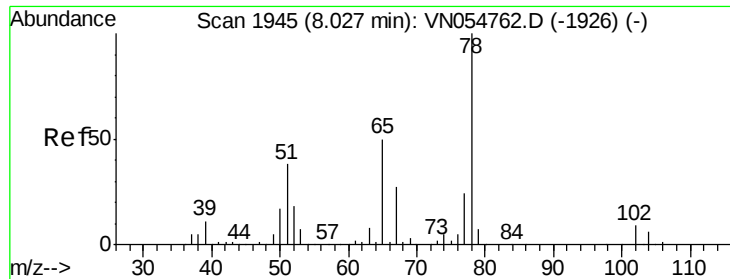
99 63.5 51.5 77.3

61 48.2 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 49.404 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

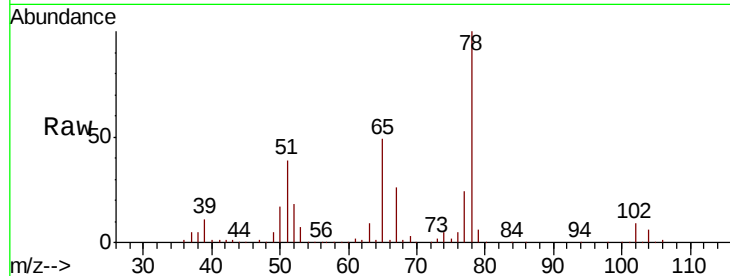
VSTDCCC050

Tot Ion: 65 Resp: 309044

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054865.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054865.D (-1852) (-)

8.02

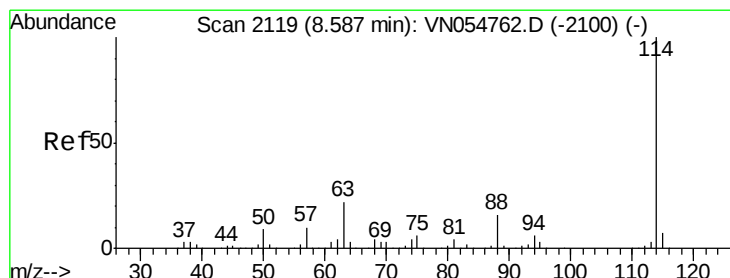
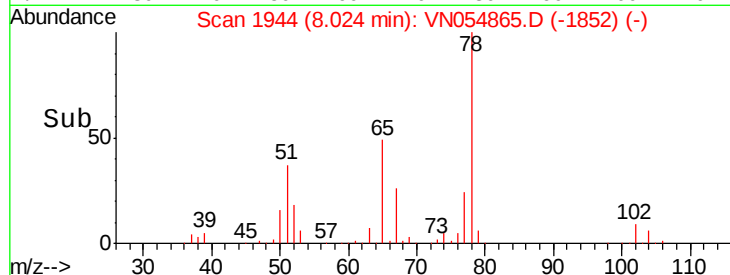
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

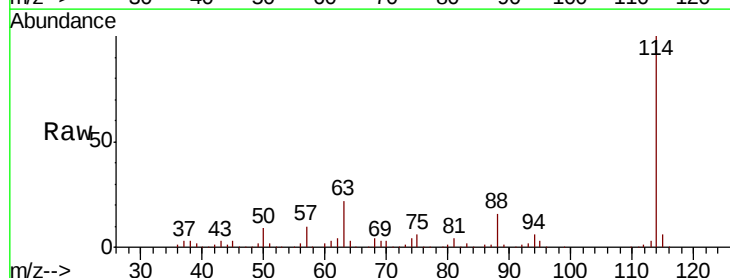
Tgt Ion: 114 Resp: 715550

Ion Ratio Lower Upper

114 100

63 22.4 0.0 35.2

88 16.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054865.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054865.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054865.D (-2026) (-)

8.58

400000

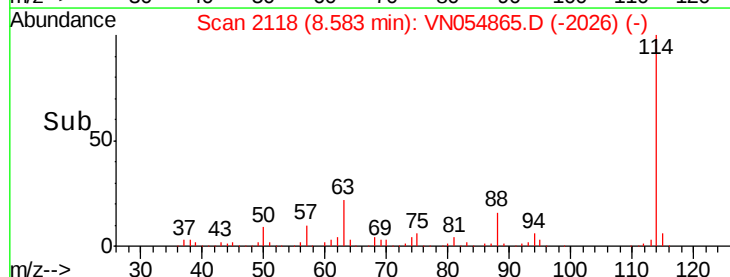
300000

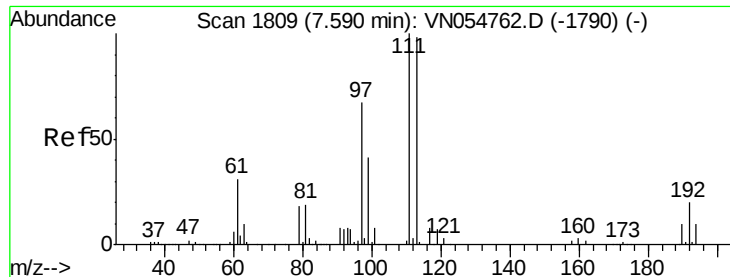
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.067 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

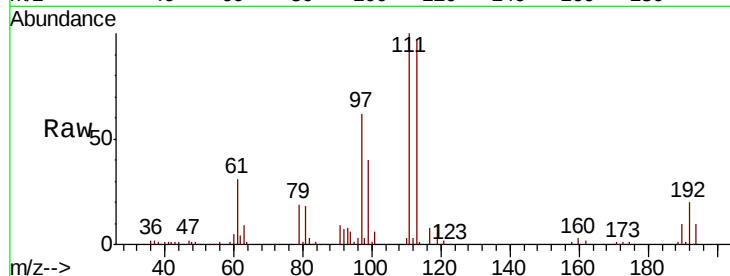
Tot Ion:113 Resp: 243616

Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.4

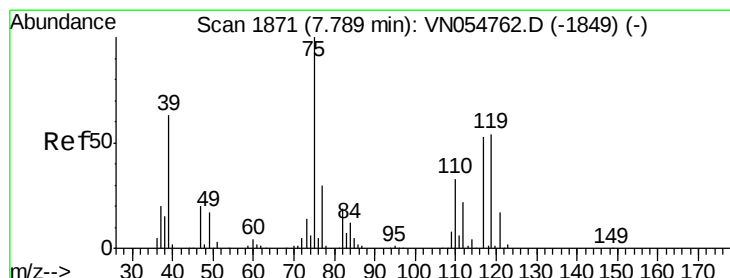
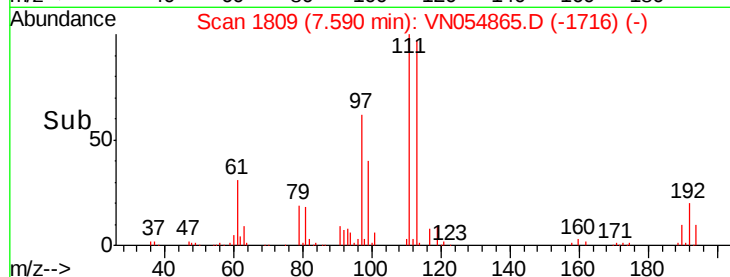
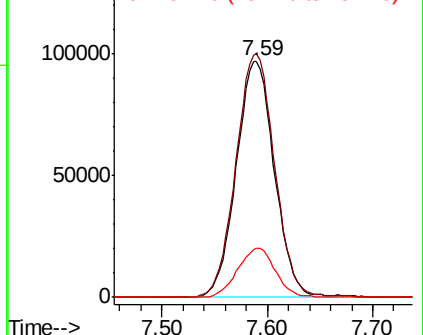
192 20.6 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.471 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

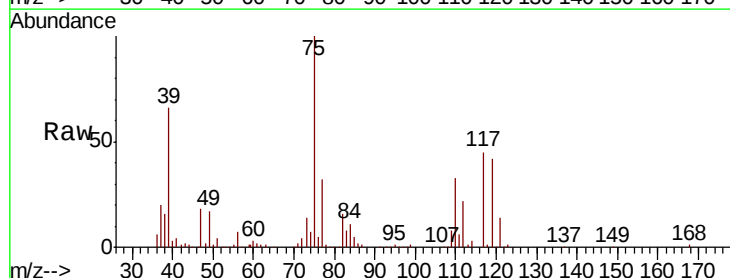
Tgt Ion: 75 Resp: 349852

Ion Ratio Lower Upper

75 100

110 33.9 19.1 57.5

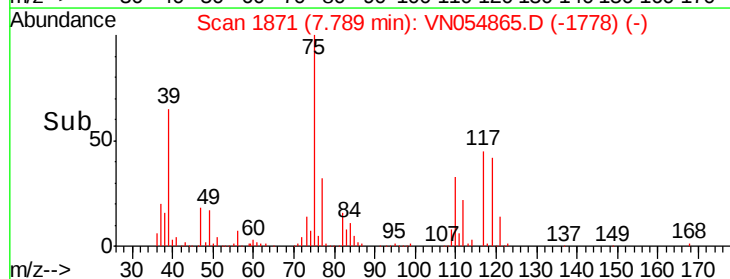
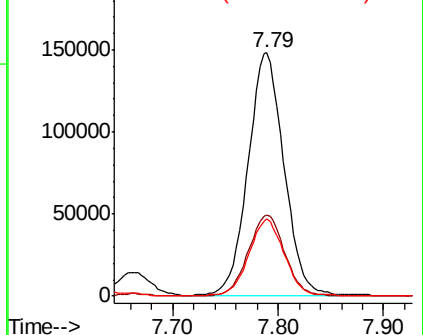
77 31.7 25.0 37.4

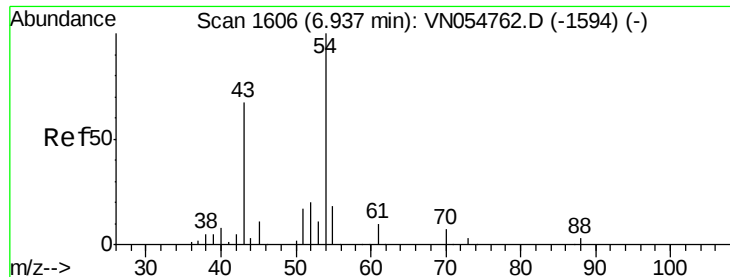


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

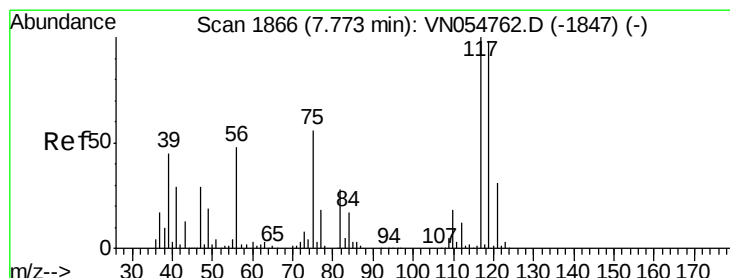
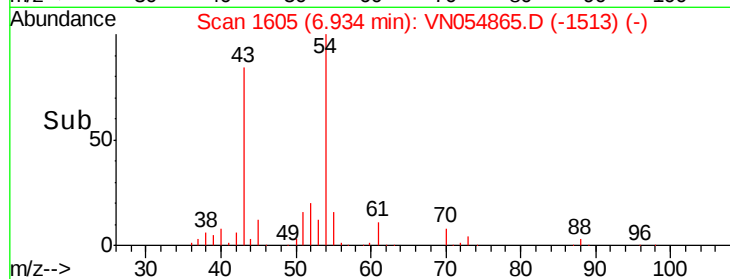
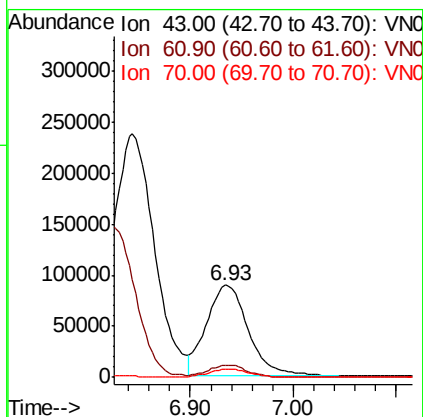
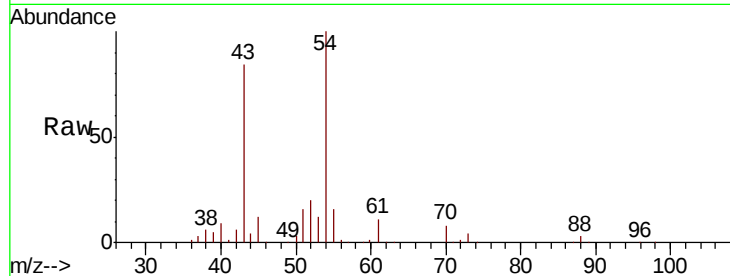




#37
Ethyl Acetate
Concen: 51.611 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

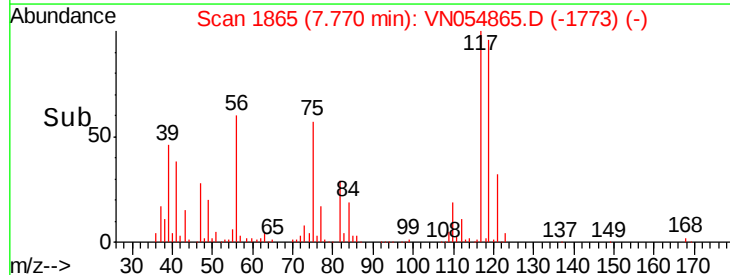
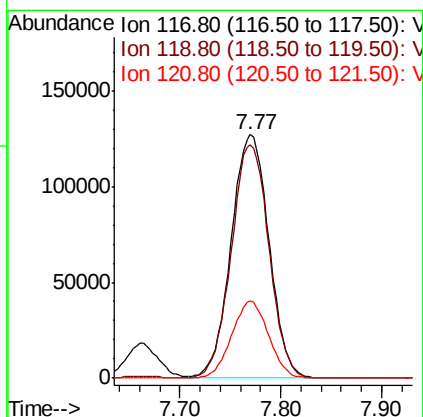
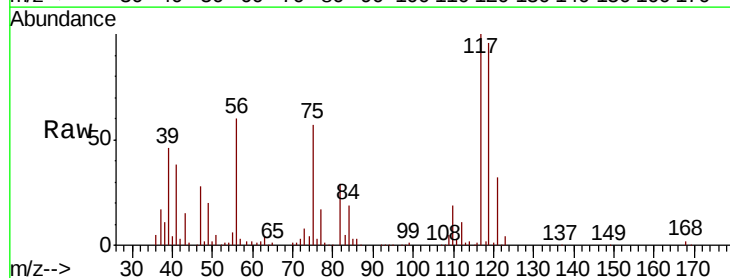
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

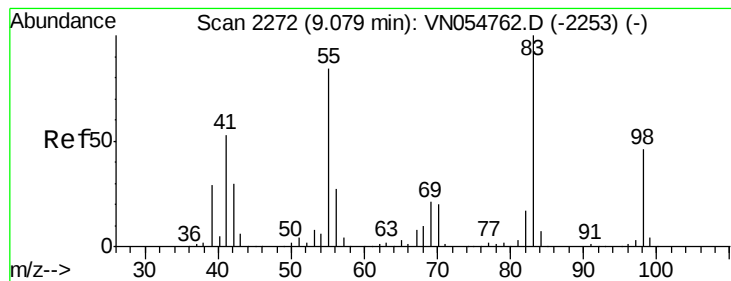
Tot Ion: 43 Resp: 252352
Ion Ratio Lower Upper
43 100
61 12.3 11.8 17.6
70 9.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 51.185 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion: 117 Resp: 331473
Ion Ratio Lower Upper
117 100
119 95.7 76.3 114.5
121 31.8 24.6 36.8





#39

Methylvlcyclohexane

Concen: 54.222 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

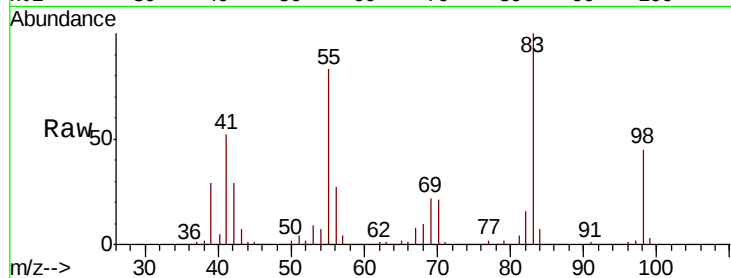
Tot Ion: 83 Resp: 397463

Ion Ratio Lower Upper

83 100

55 83.1 56.6 84.8

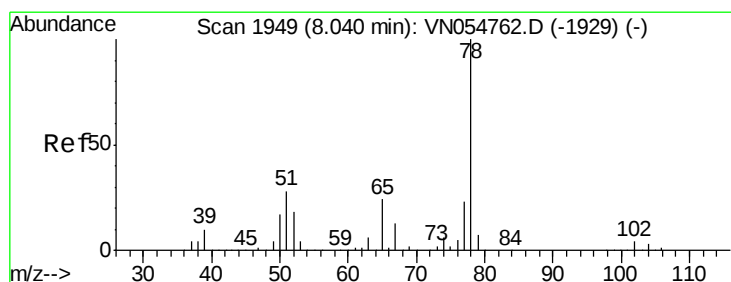
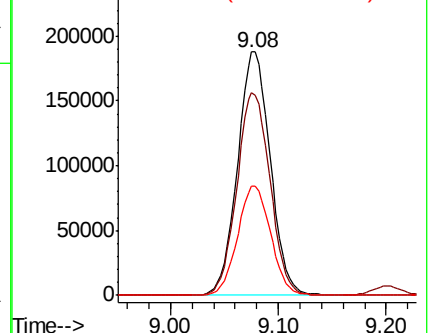
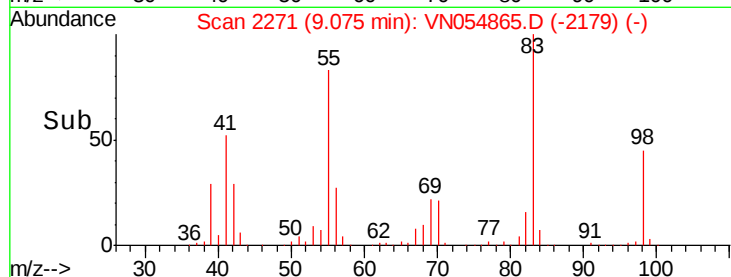
98 44.7 38.4 57.6



Abundance Ion 83.00 (82.70 to 83.70): VN054865.D (-2179) (-)

Ion 55.00 (54.70 to 55.70): VN054865.D (-2179) (-)

Ion 98.00 (97.70 to 98.70): VN054865.D (-2179) (-)



#40

Benzene

Concen: 53.341 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054865.D

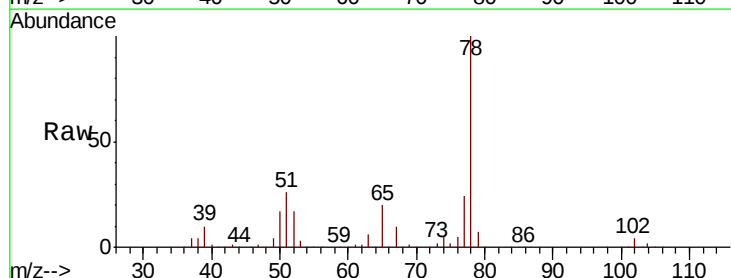
Acq: 1 Apr 2019 10:08

Tgt Ion: 78 Resp: 1017662

Ion Ratio Lower Upper

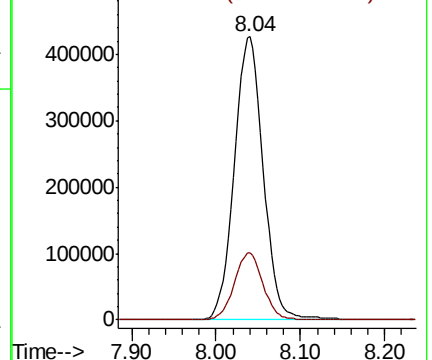
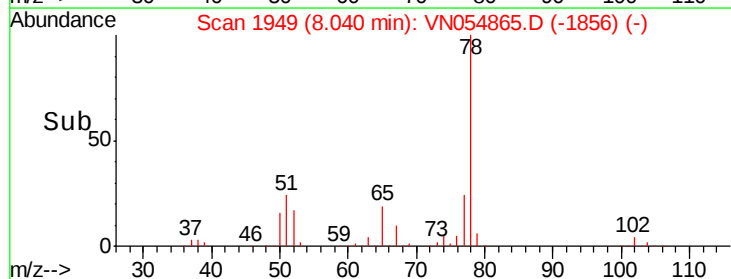
78 100

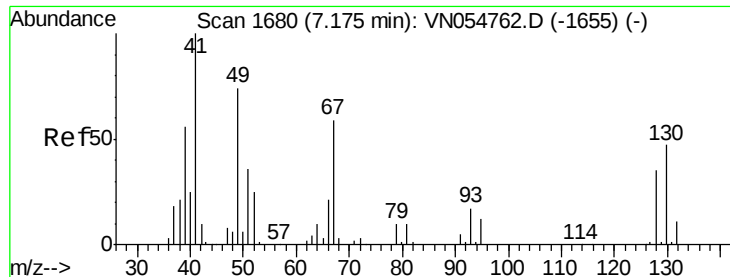
77 23.8 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN054865.D (-1856) (-)

Ion 77.00 (76.70 to 77.70): VN054865.D (-1856) (-)

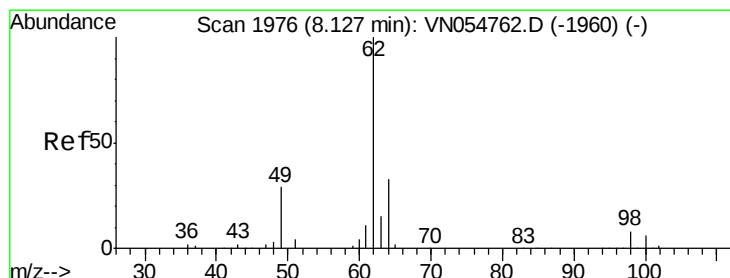
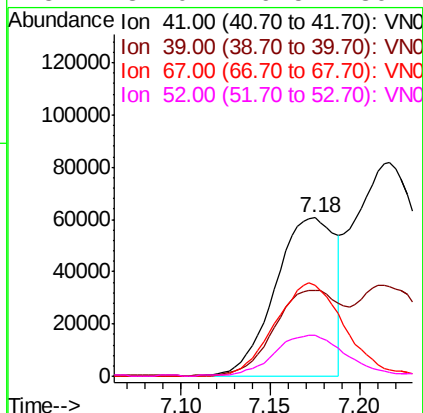
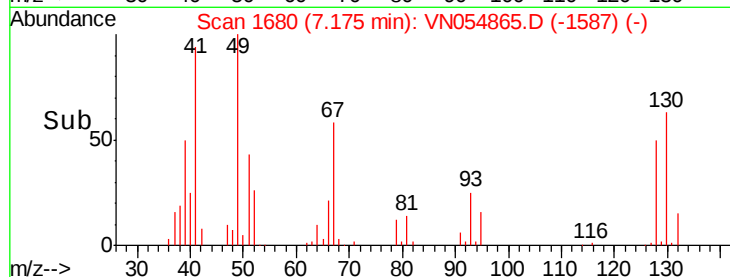
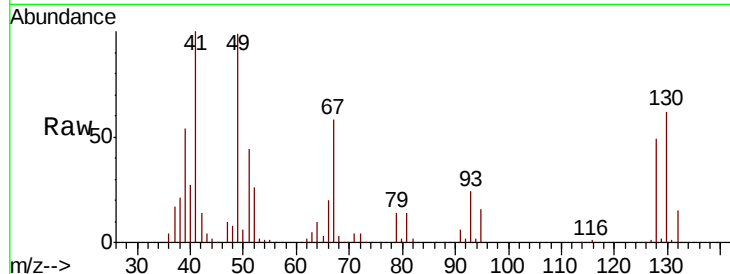




#41
Methacrylonitrile
Concen: 51.646 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

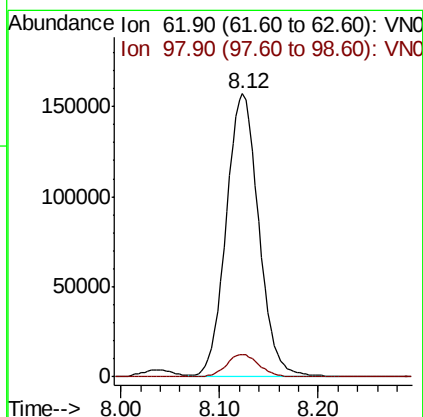
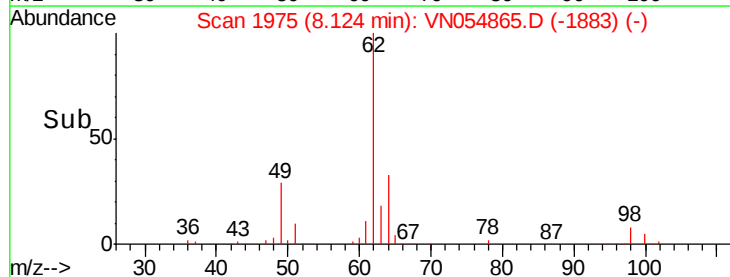
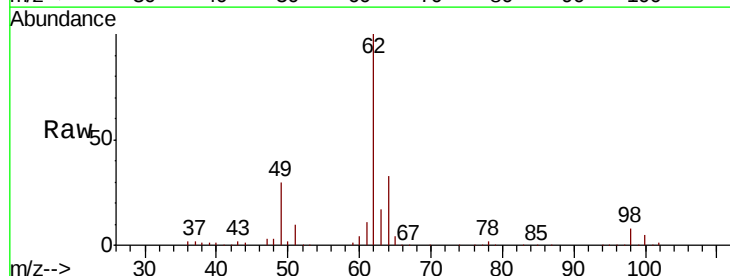
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

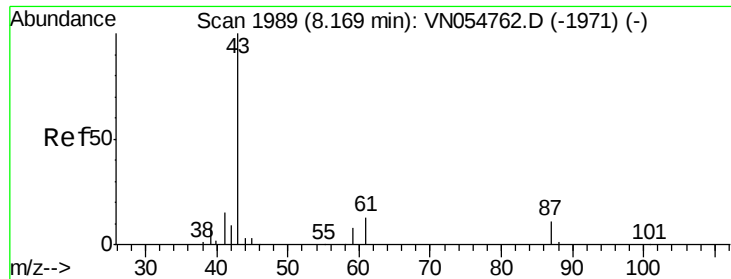
Tot Ion: 41 Resp: 141854
Ion Ratio Lower Upper
41 100
39 61.1 46.8 70.2
67 68.5 67.0 100.4
52 31.0 26.5 39.7



#42
1,2-Dichloroethane
Concen: 52.730 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion: 62 Resp: 359201
Ion Ratio Lower Upper
62 100
98 8.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 55.774 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

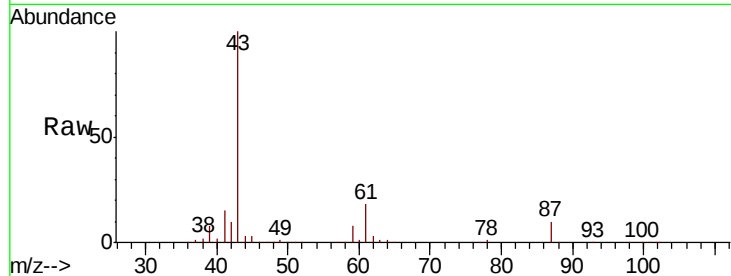
Tot Ion: 43 Resp: 443105

Ion Ratio Lower Upper

43 100

61 17.8 15.8 23.8

87 10.8 12.0 18.0#

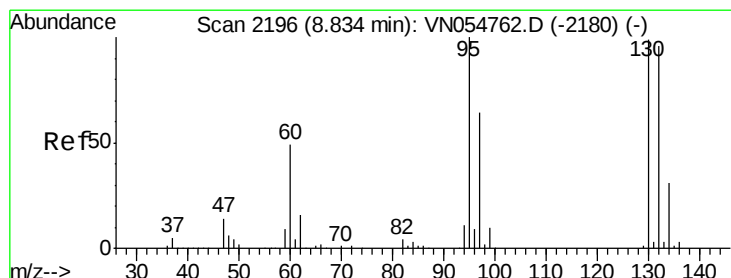
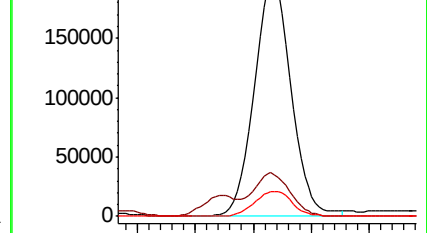
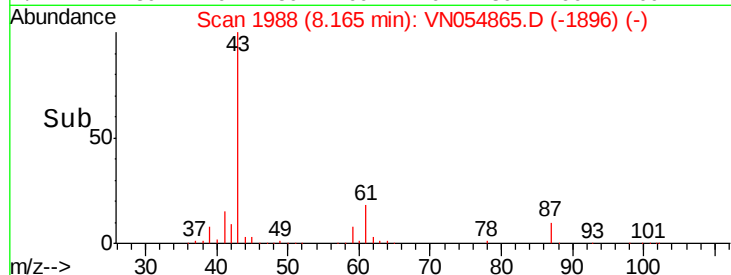


Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054762.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054762.D (-1971) (-)

Time-->



#44

Trichloroethene

Concen: 53.330 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054865.D

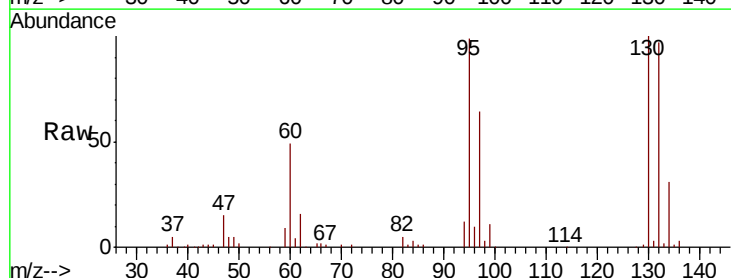
Acq: 1 Apr 2019 10:08

Tgt Ion:130 Resp: 264116

Ion Ratio Lower Upper

130 100

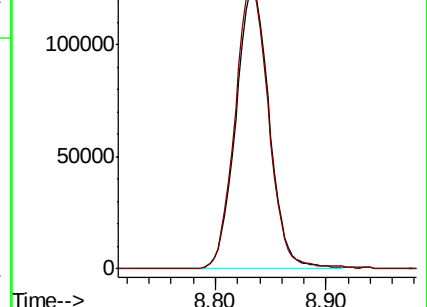
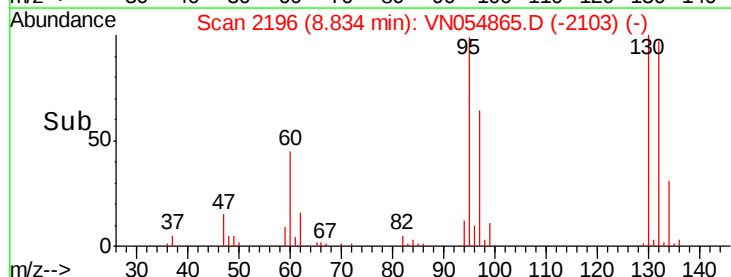
95 99.4 0.0 185.2

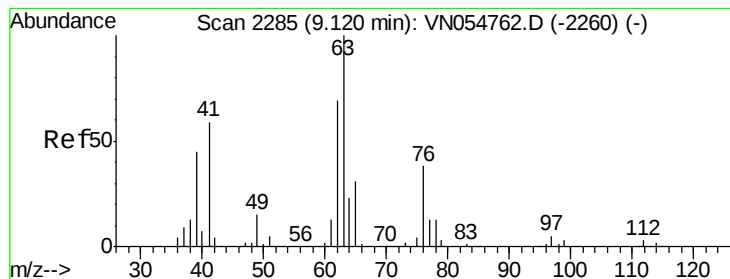


Abundance Ion 129.80 (129.50 to 130.50): VN054762.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN054762.D (-2180) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 51.757 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

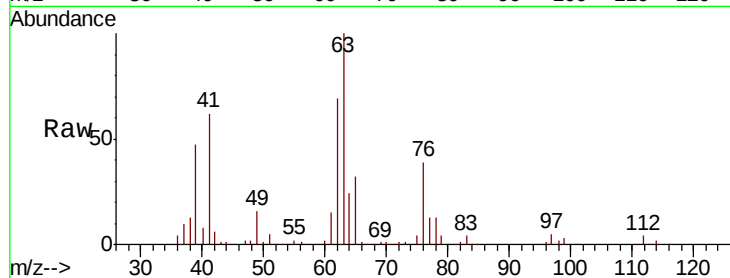
VSTDCCC050

Tot Ion: 63 Resp: 281561

Ion Ratio Lower Upper

63 100

65 31.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

150000

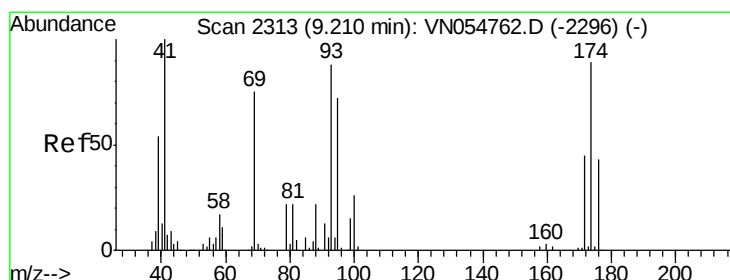
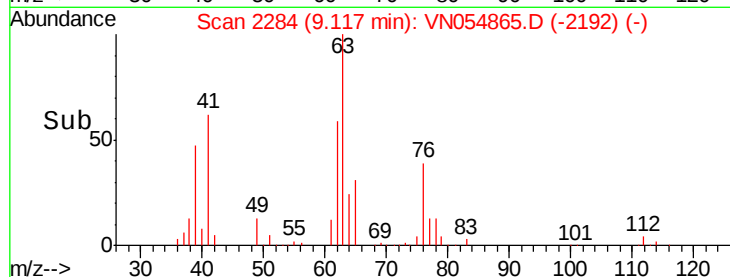
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 53.285 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

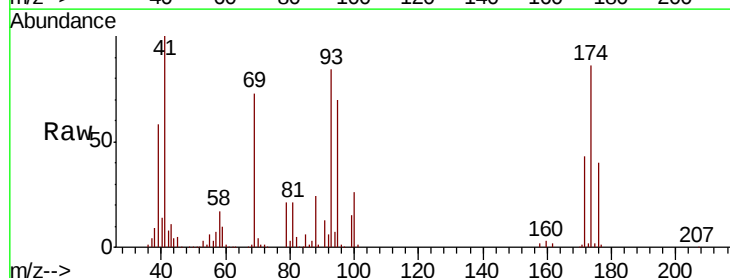
Tgt Ion: 93 Resp: 163064

Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

174 100.7 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

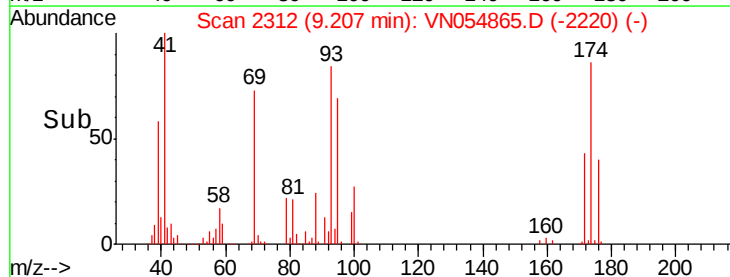
40000

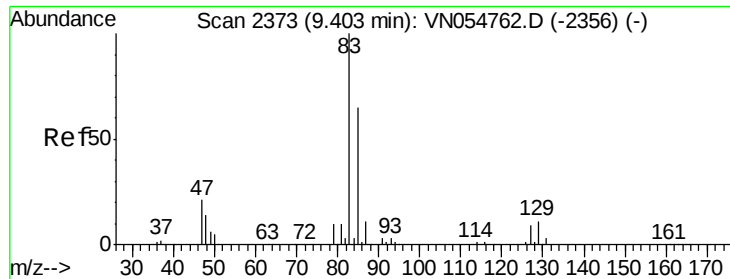
20000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 55.490 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

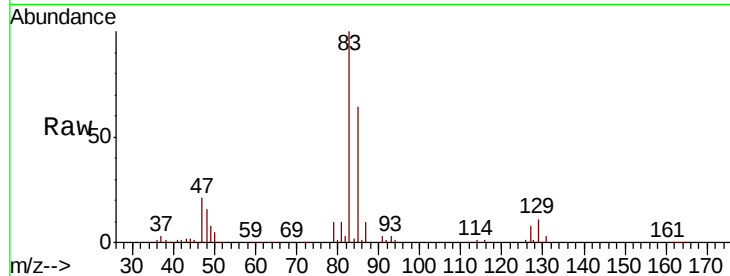
Tot Ion: 83 Resp: 352921

Ion Ratio Lower Upper

83 100

85 63.9 52.8 79.2

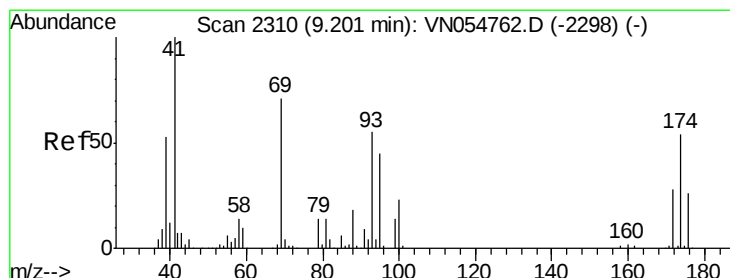
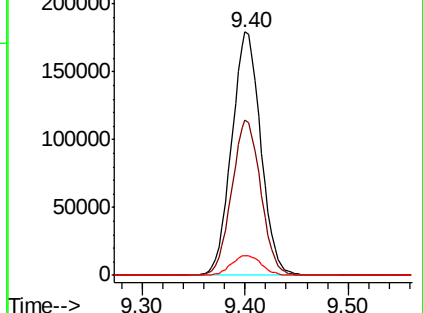
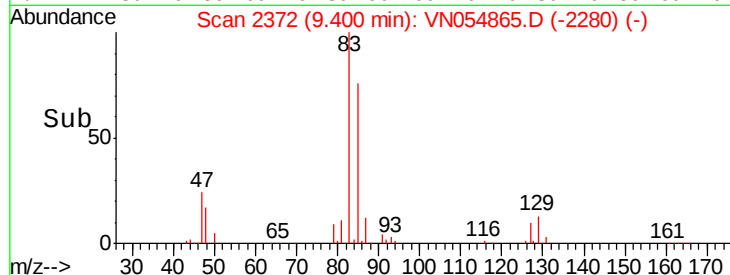
127 8.2 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054865.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054865.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054865.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.908 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

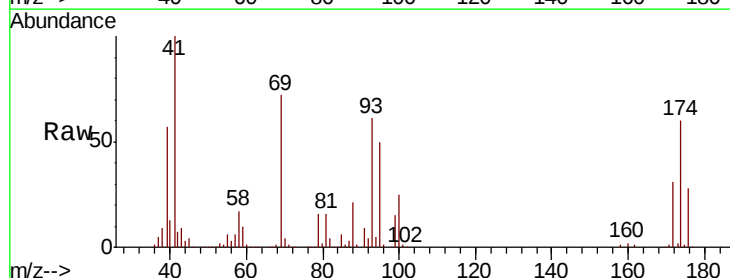
Tgt Ion: 41 Resp: 219241

Ion Ratio Lower Upper

41 100

69 75.8 72.6 108.8

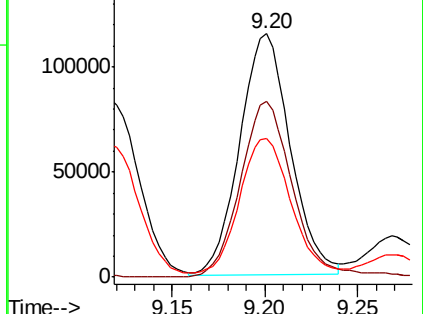
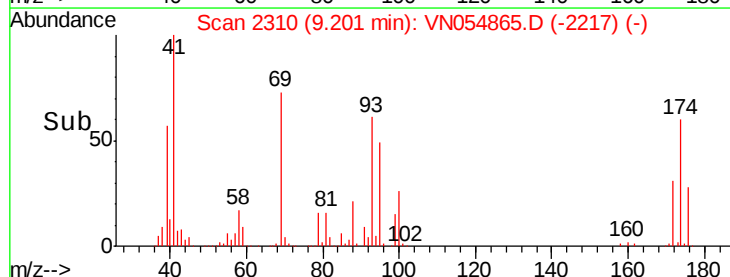
39 59.0 47.5 71.3

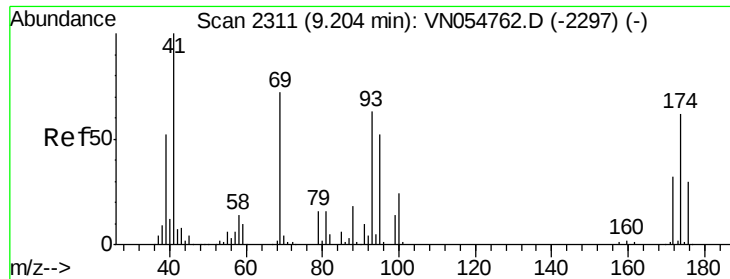


Abundance Ion 41.00 (40.70 to 41.70): VN054865.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054865.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054865.D (-2217) (-)

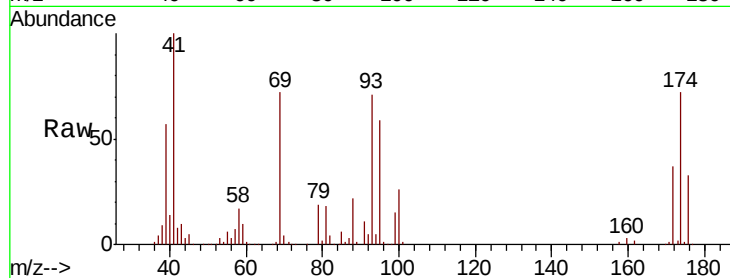




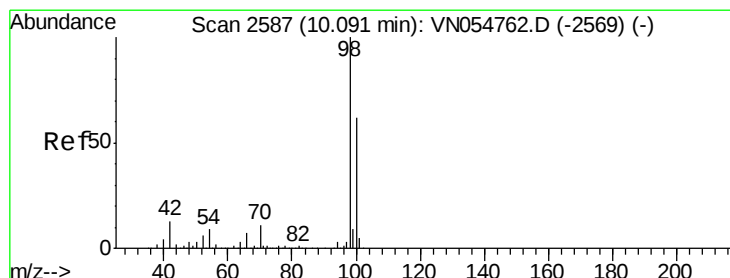
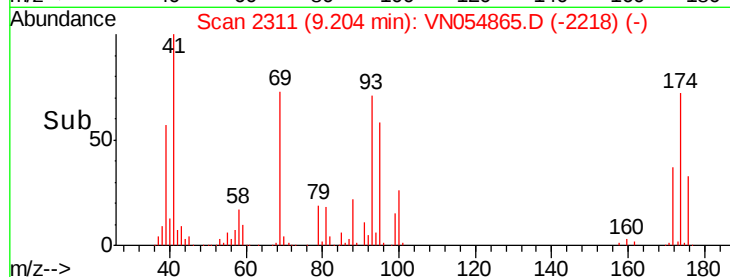
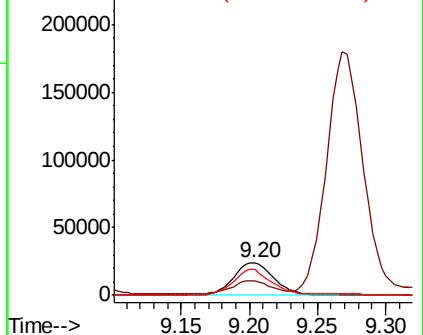
#49
 1,4-Dioxane
 Concen: 1155.731 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 49386
 Ion Ratio Lower Upper
 88 100
 43 38.9 24.1 36.1#
 58 76.9 50.8 76.2#

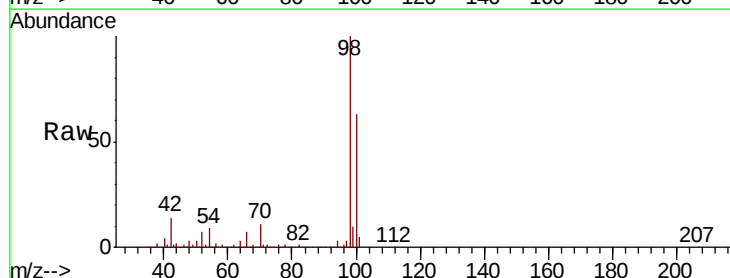


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

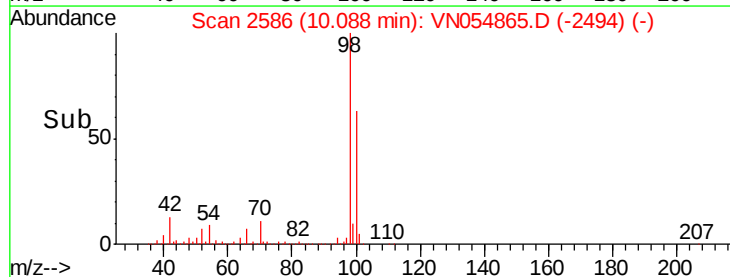
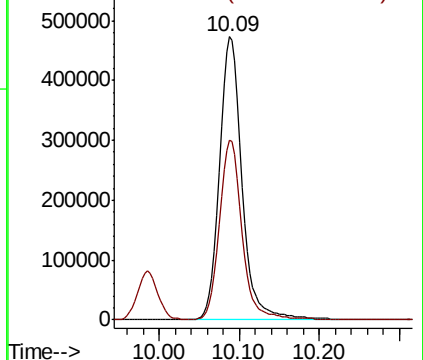


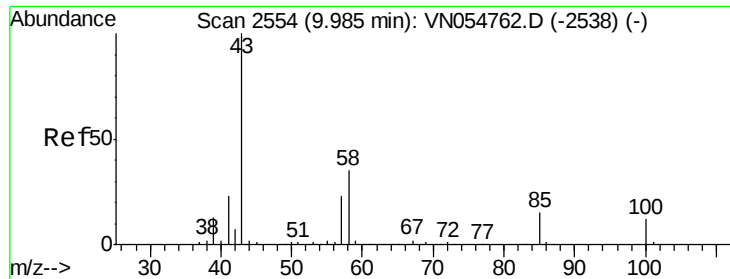
#50
 Toluene-d8
 Concen: 52.295 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion: 98 Resp: 927482
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 279.405 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

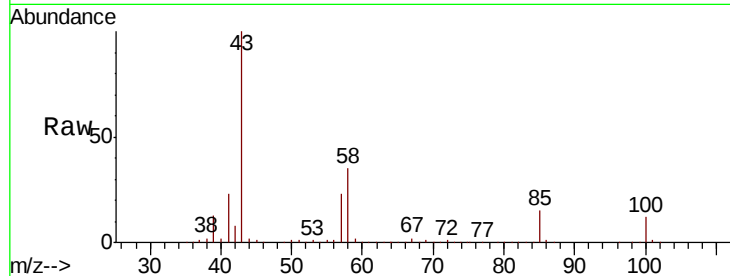
VSTDCCC050

Tot Ion: 43 Resp: 1248024

Ion Ratio Lower Upper

43 100

58 35.3 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

9.99

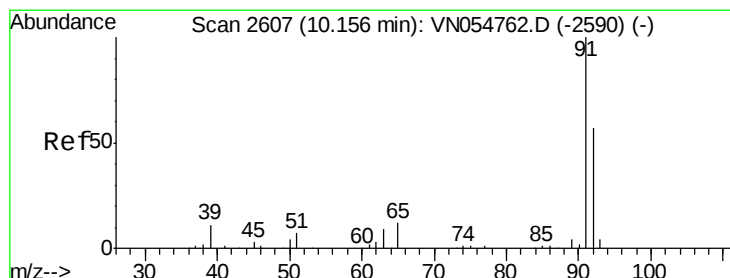
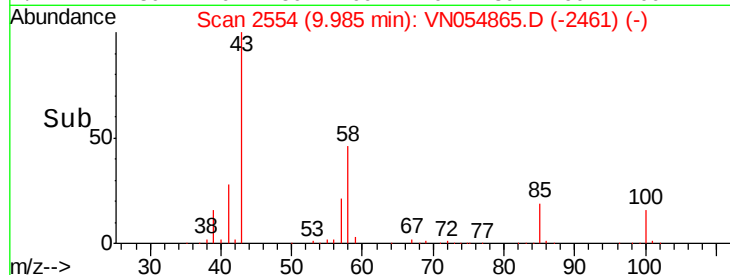
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 53.857 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054865.D

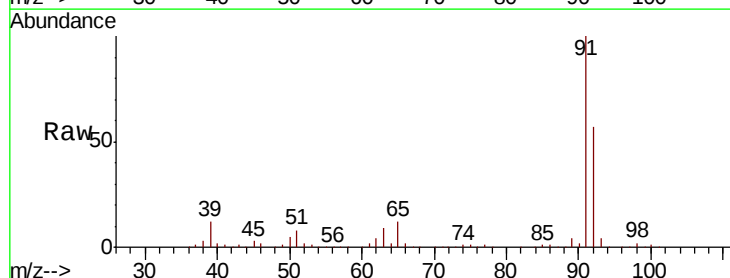
Acq: 1 Apr 2019 10:08

Tgt Ion: 92 Resp: 611405

Ion Ratio Lower Upper

92 100

91 176.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054762.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054762.D (-2590) (-)

10.15

600000

500000

400000

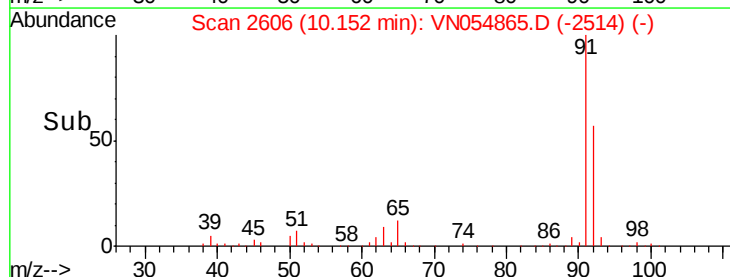
300000

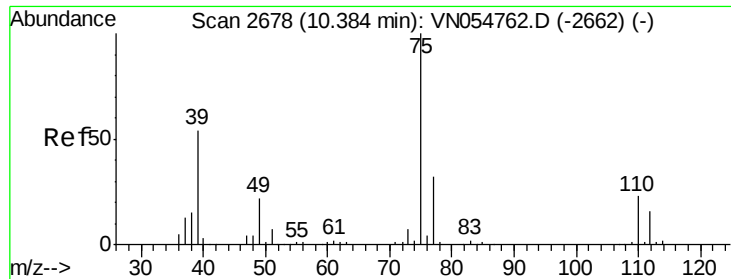
200000

100000

0

Time-->

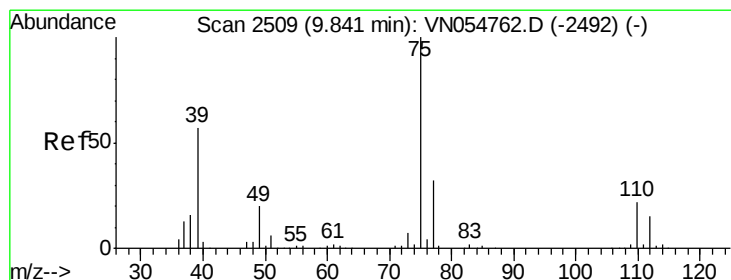
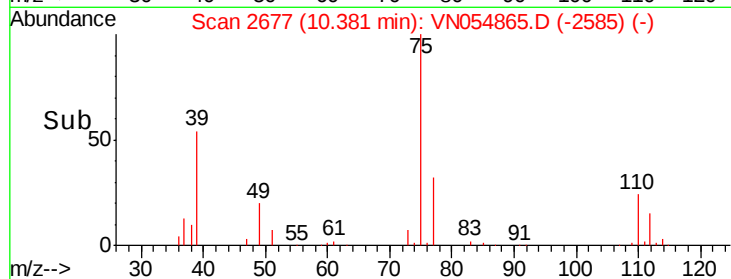
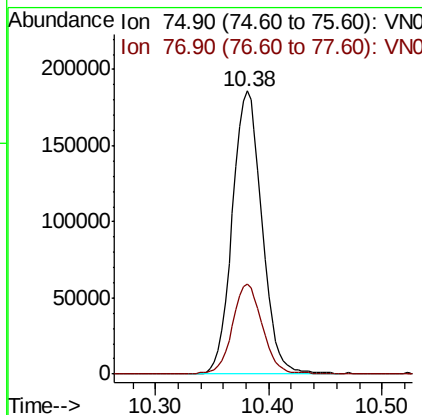
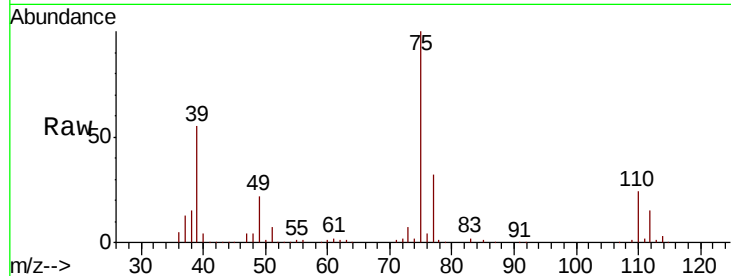




#53
 t-1,3-Dichloropropene
 Concen: 56.750 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

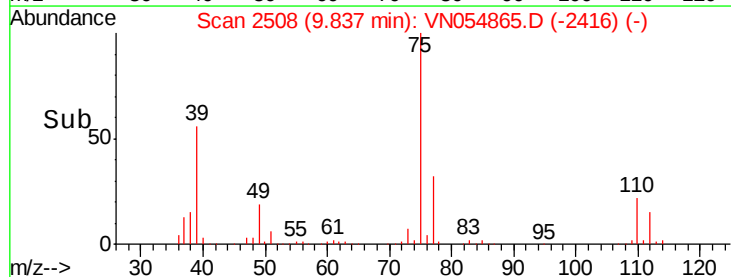
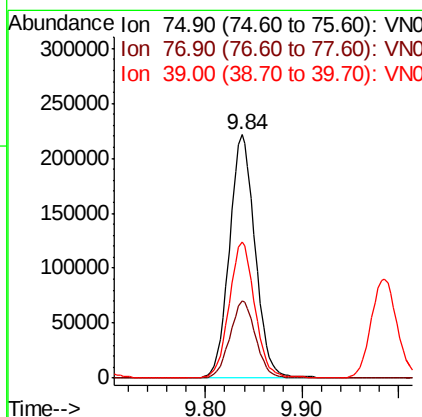
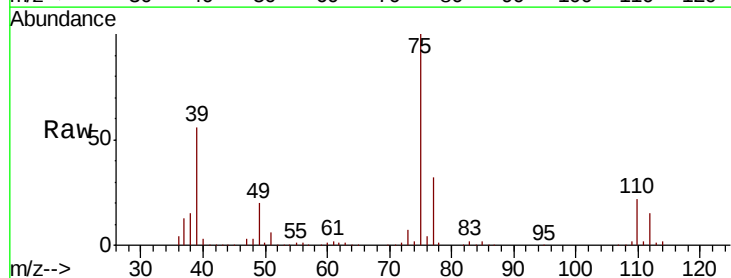
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 339516
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 57.198 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion: 75 Resp: 408771
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0
 39 56.0 37.2 55.8#

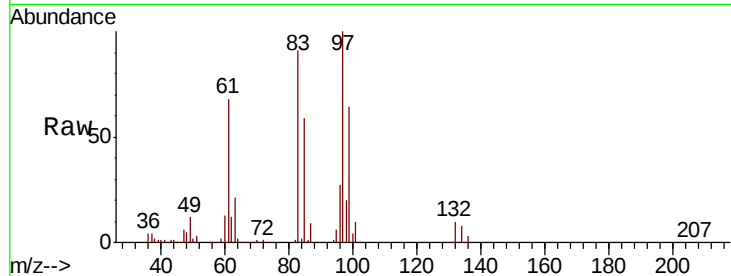




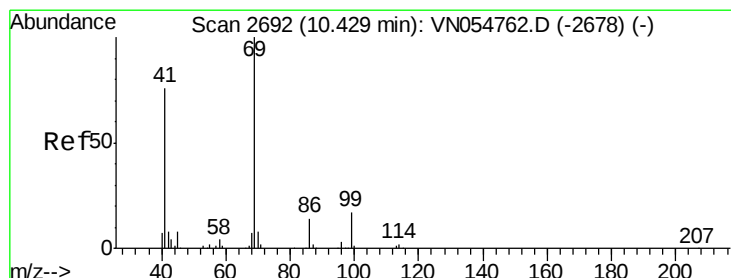
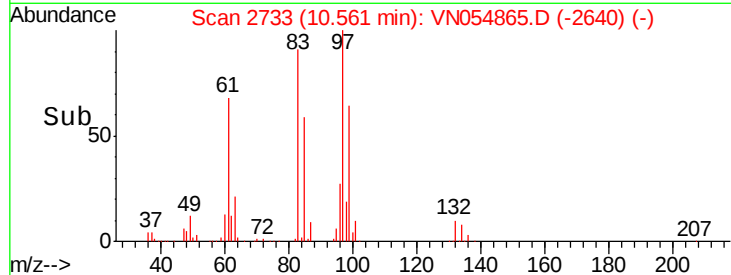
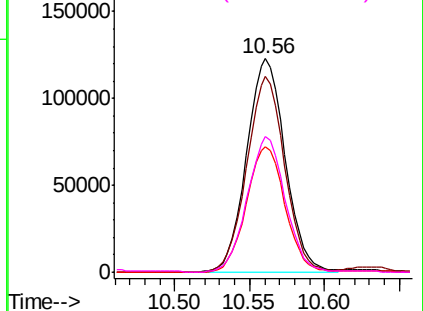
#55
 1,1,2-Trichloroethane
 Concen: 52.241 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	220522
Ion	Ratio	Lower	Upper
97	100		
83	91.5	66.6	100.0
85	58.8	44.4	66.6
99	63.5	50.8	76.2

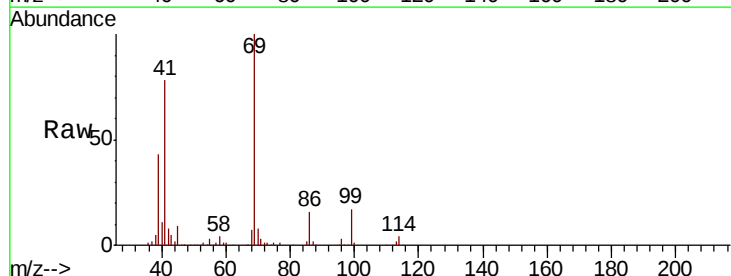


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

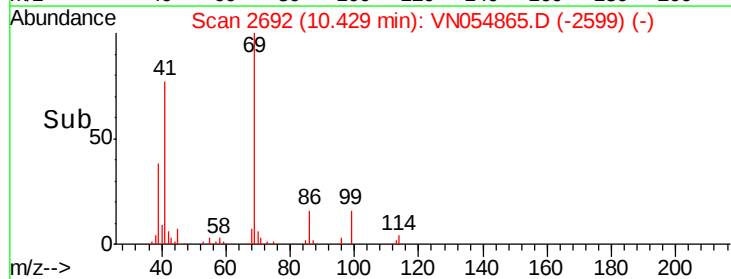
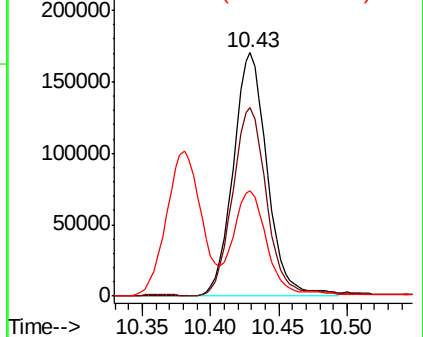


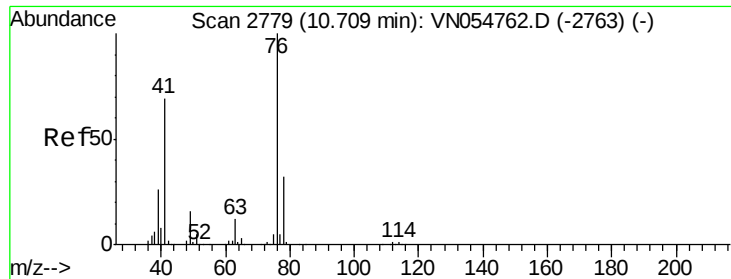
#56
 Ethyl methacrylate
 Concen: 53.242 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion:	69	Resp:	294824
Ion	Ratio	Lower	Upper
69	100		
41	77.3	49.4	74.2#
39	42.3	28.3	42.5



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 54.598 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

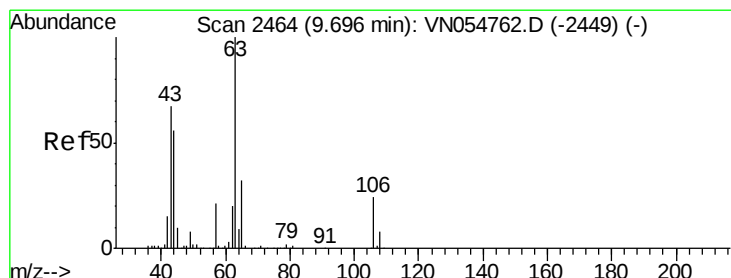
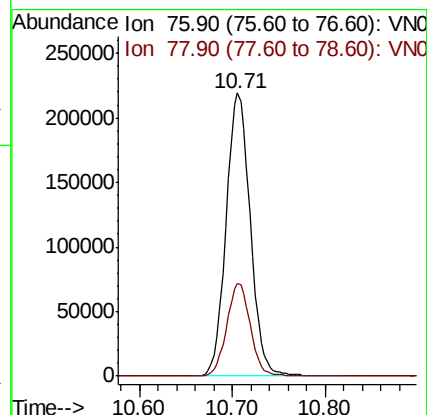
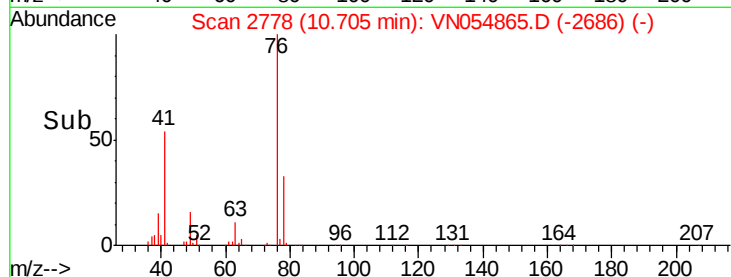
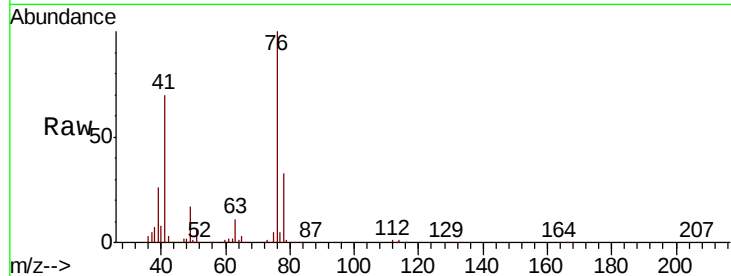
VSTDCCC050

Tot Ion: 76 Resp: 396228

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 218.892 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054865.D

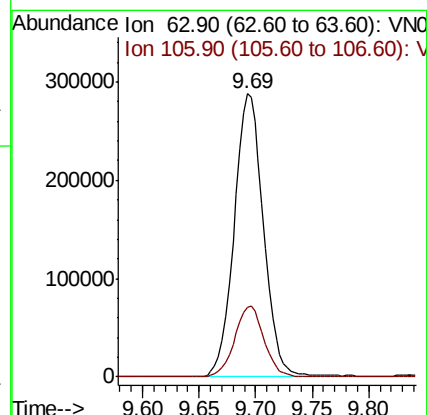
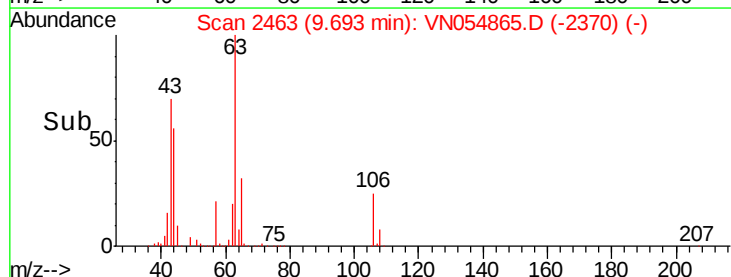
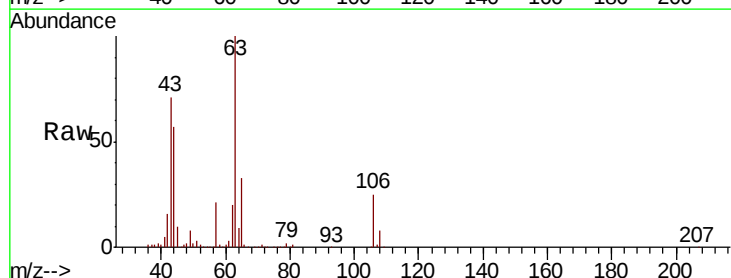
Acq: 1 Apr 2019 10:08

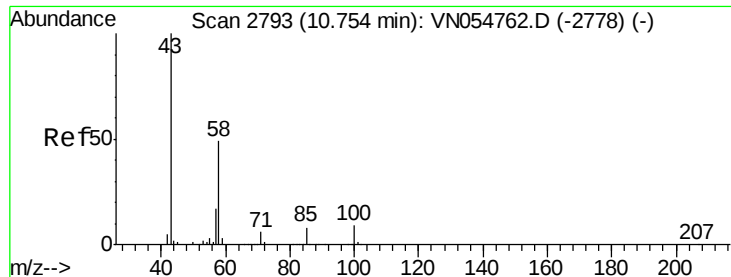
Tgt Ion: 63 Resp: 518913

Ion Ratio Lower Upper

63 100

106 25.1 24.4 36.6

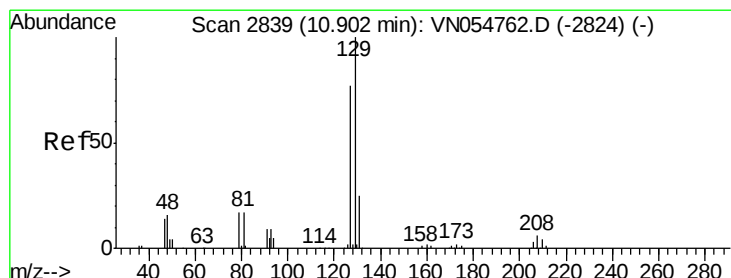
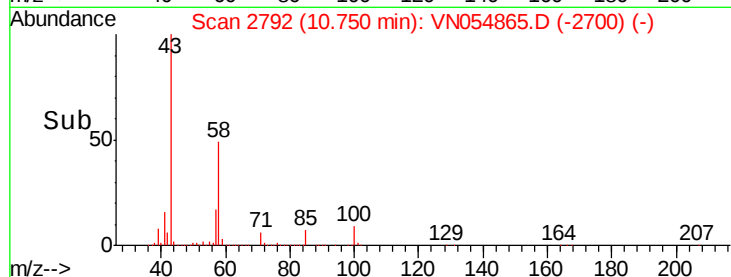
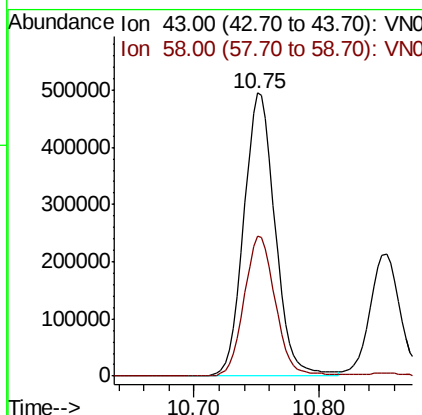
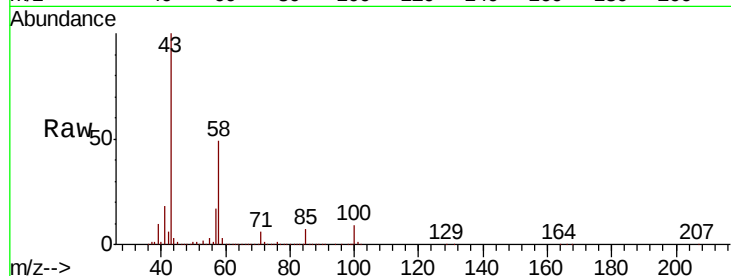




#59
2-Hexanone
Concen: 300.020 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

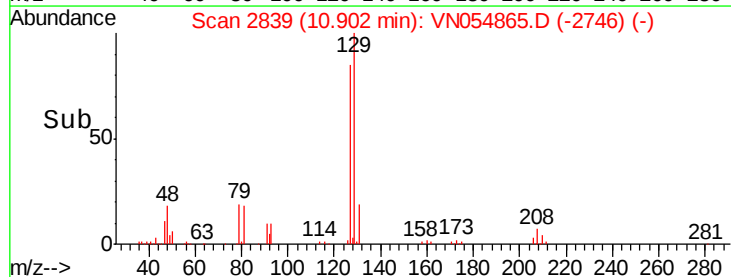
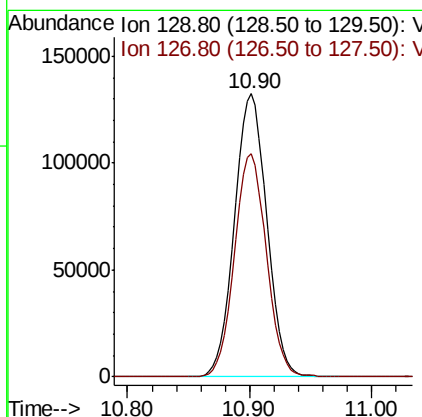
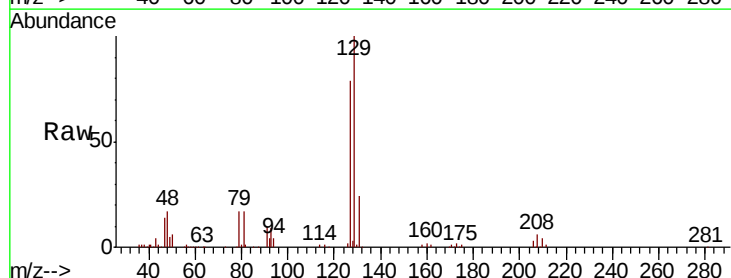
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

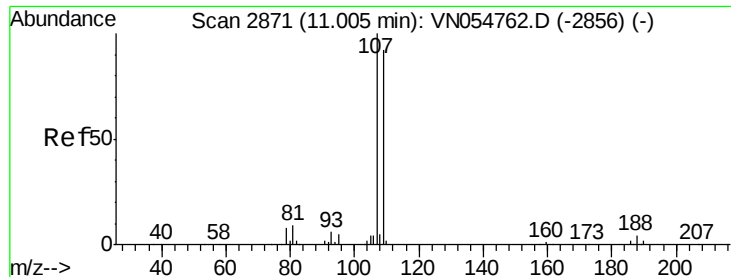
Tot Ion: 43 Resp: 857883
Ion Ratio Lower Upper
43 100
58 49.5 28.0 83.9



#60
Dibromochloromethane
Concen: 56.935 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion: 129 Resp: 243453
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8

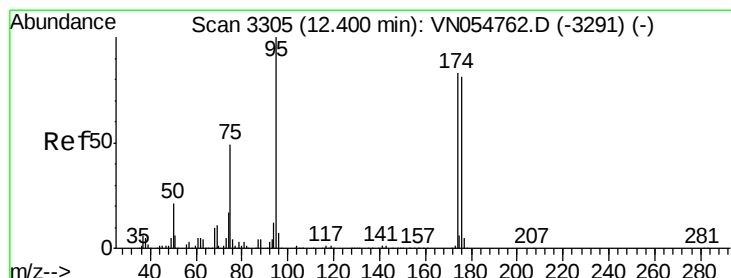
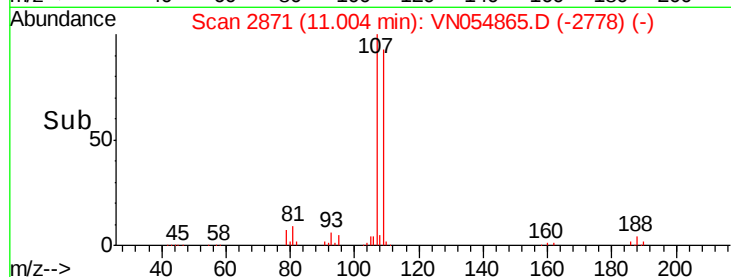
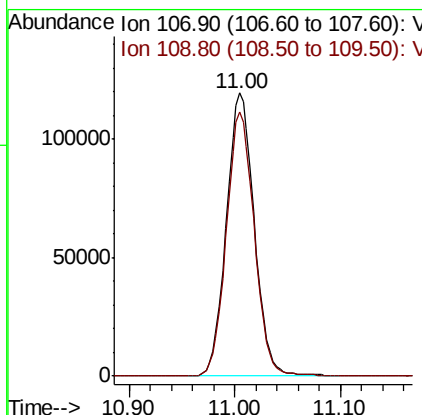
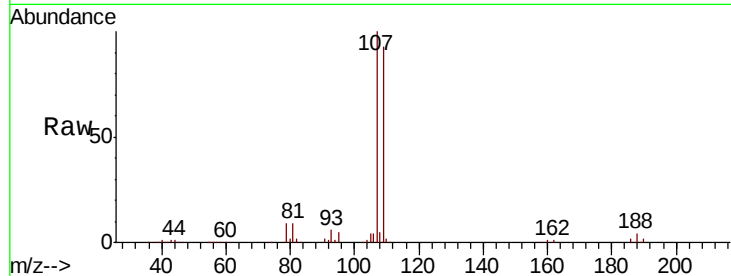




#61
 1,2-Dibromoethane
 Concen: 54.234 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

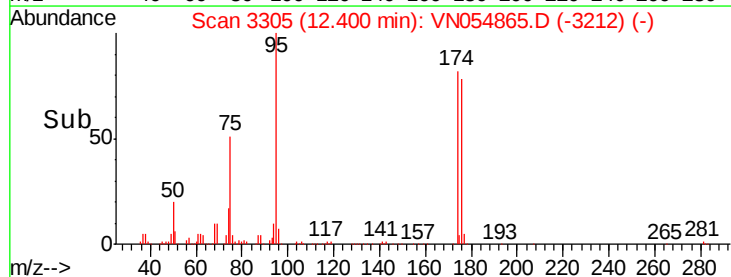
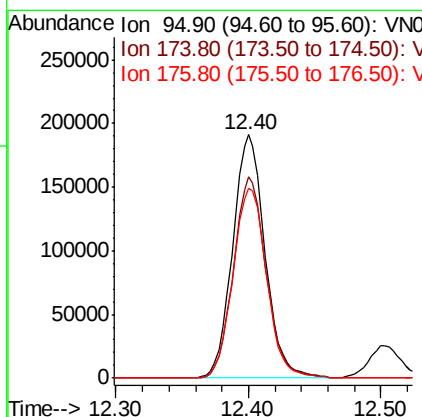
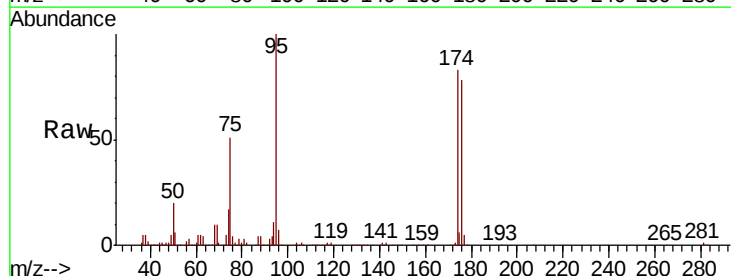
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

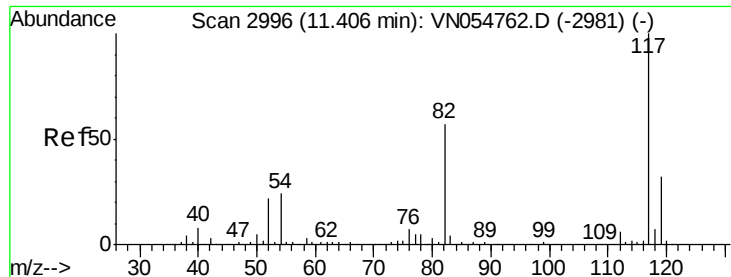
Tot Ion:107 Resp: 218783
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 54.782 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion: 95 Resp: 323130
 Ion Ratio Lower Upper
 95 100
 174 84.1 0.0 191.0
 176 81.3 0.0 187.4

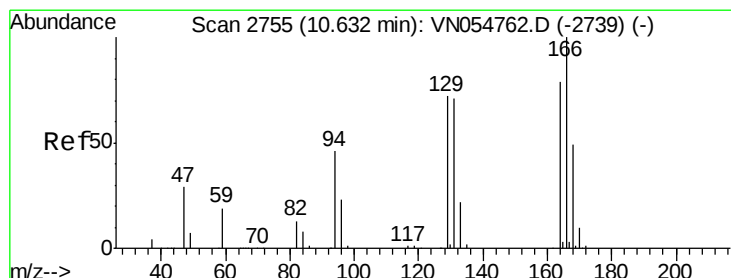
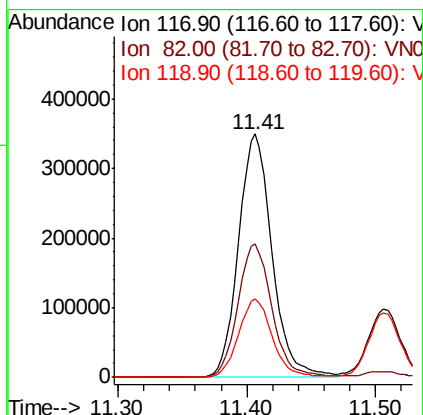
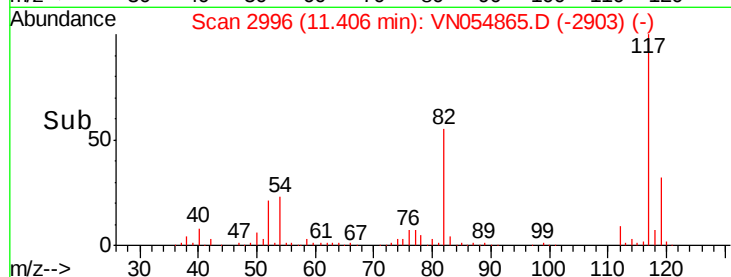
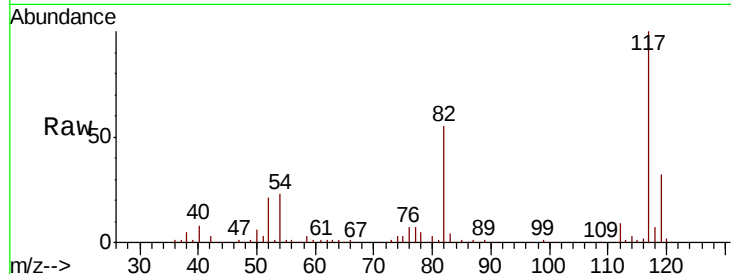




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

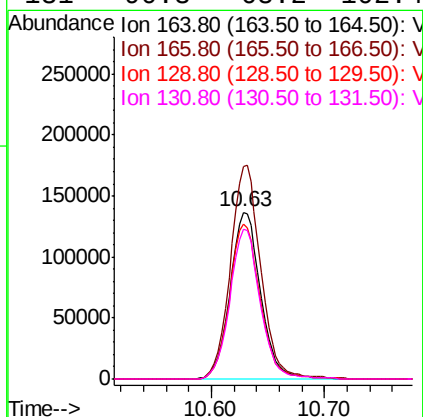
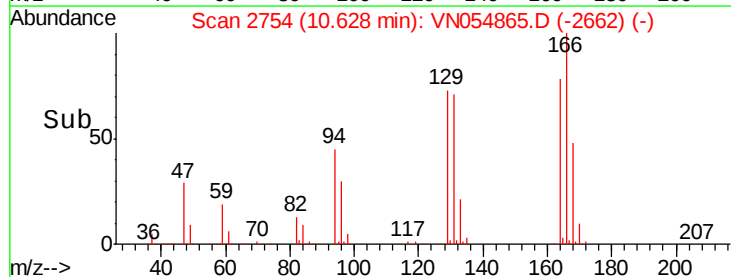
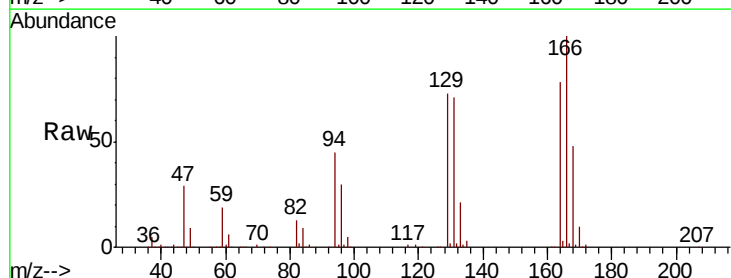
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

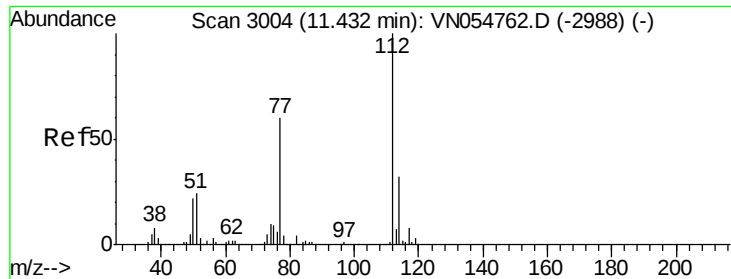
Tot Ion:117 Resp: 634242
Ion Ratio Lower Upper
117 100
82 54.6 40.0 60.0
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 52.746 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion:164 Resp: 256716
Ion Ratio Lower Upper
164 100
166 127.6 103.9 155.9
129 93.1 71.1 106.7
131 90.3 68.2 102.4





#65

Chlorobenzene

Concen: 51.813 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

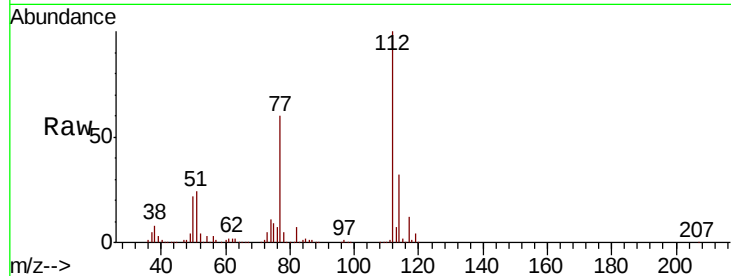
VSTDCCC050

Tot Ion:112 Resp: 643402

Ion Ratio Lower Upper

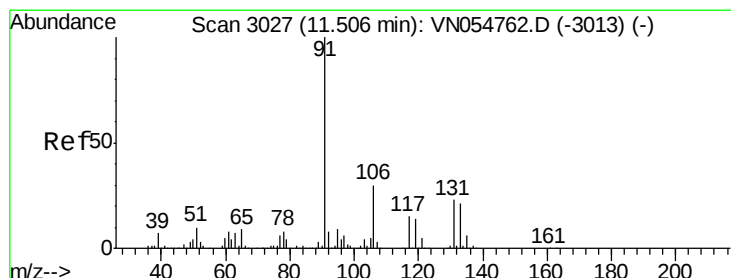
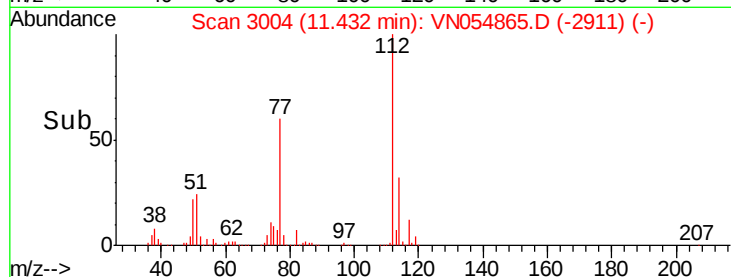
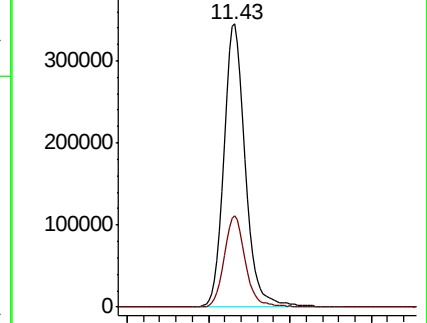
112 100

114 32.4 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.047 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

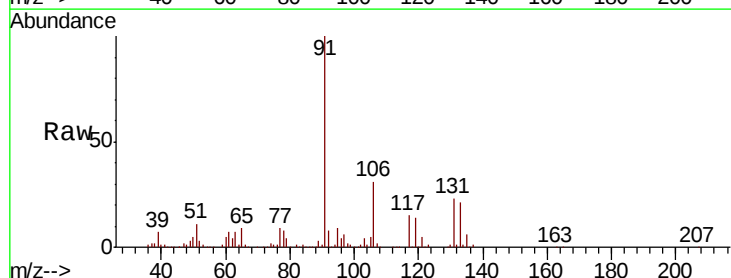
Tgt Ion:131 Resp: 246558

Ion Ratio Lower Upper

131 100

133 94.4 47.6 142.9

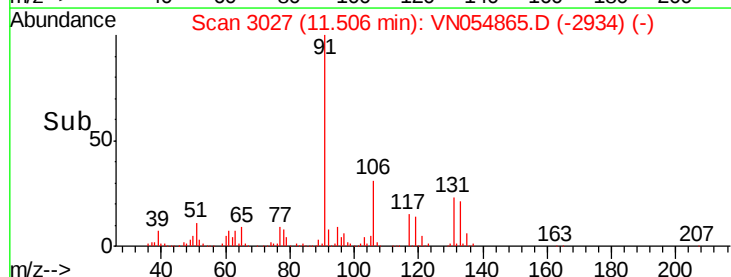
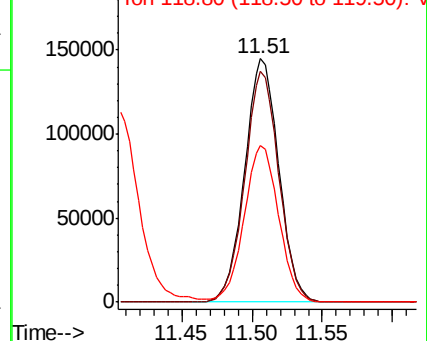
119 64.6 32.4 97.0

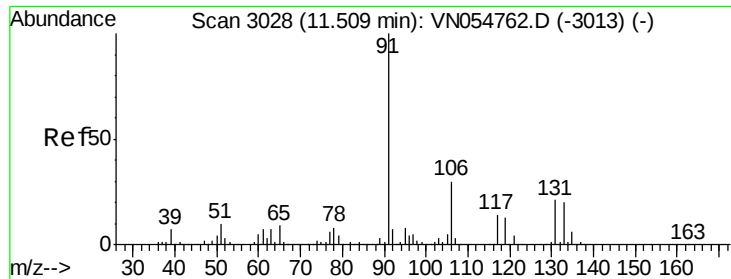


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

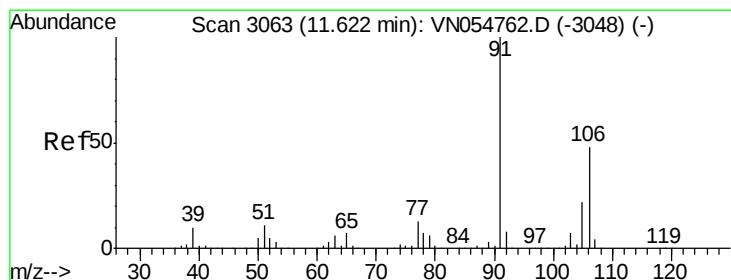
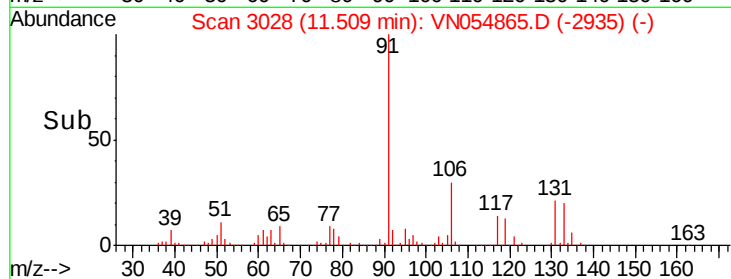
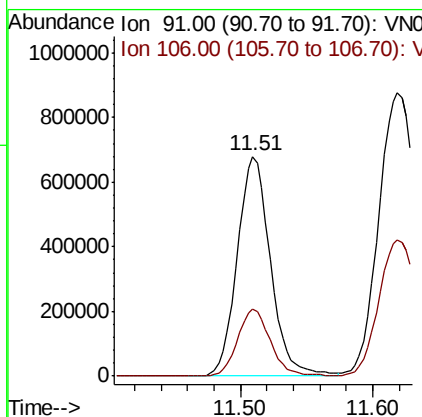
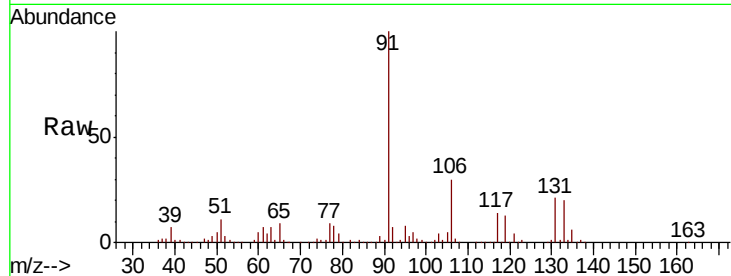




#67
Ethyl Benzene
Concen: 52.727 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

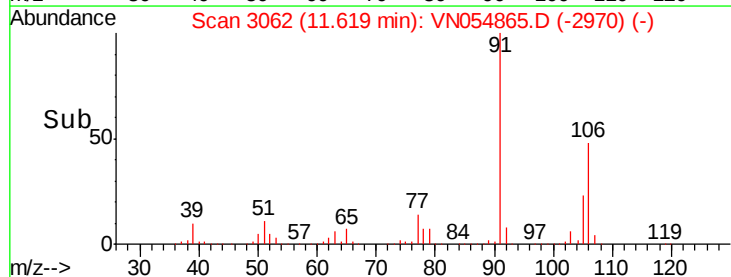
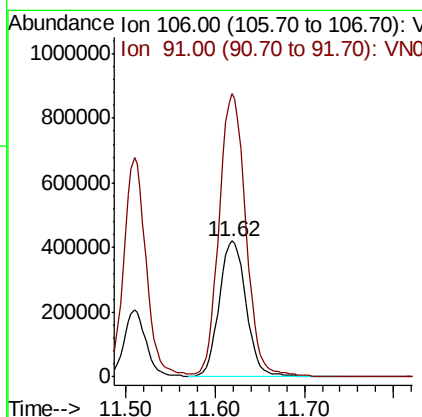
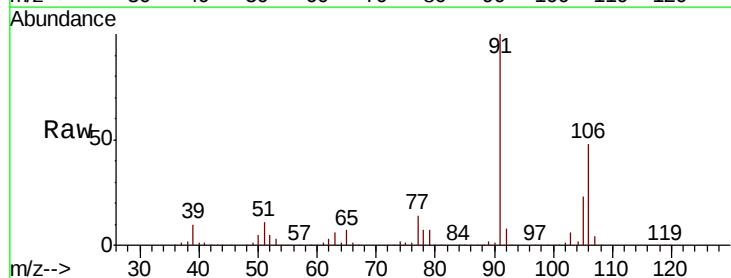
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

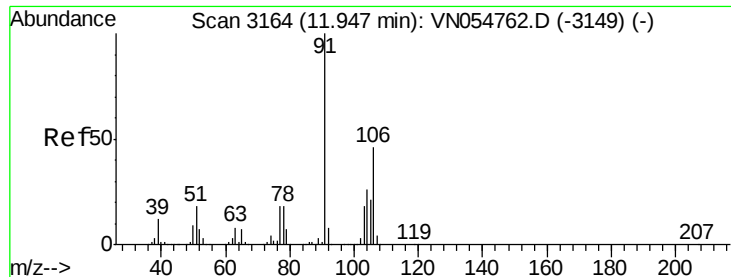
Tot Ion: 91 Resp: 1181522
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3



#68
m/p-Xylenes
Concen: 106.328 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion: 106 Resp: 881733
Ion Ratio Lower Upper
106 100
91 207.0 159.4 239.2

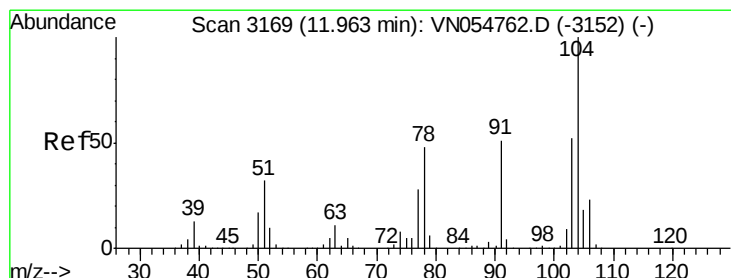
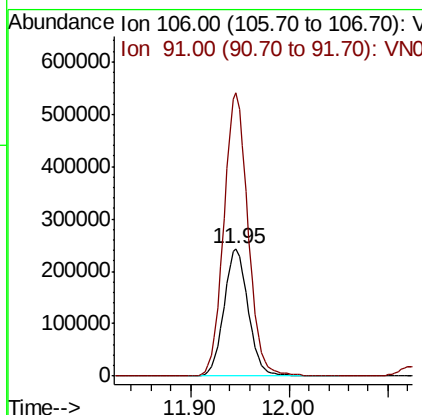
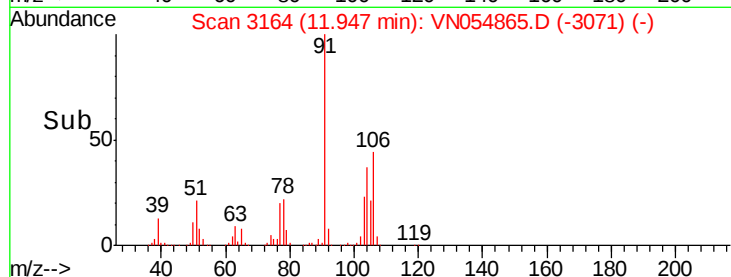
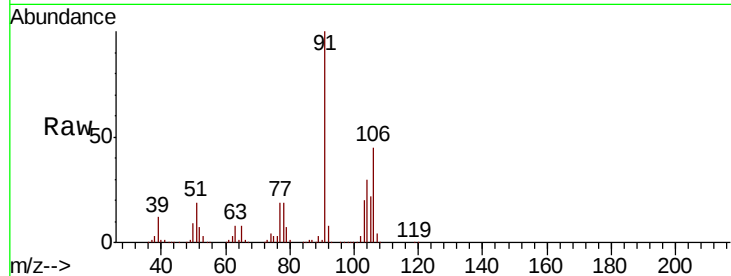




#69
o-Xylene
Concen: 51.758 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

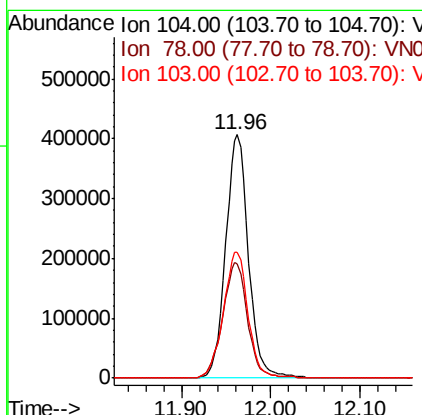
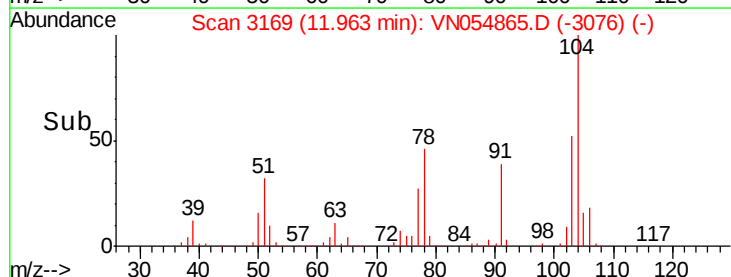
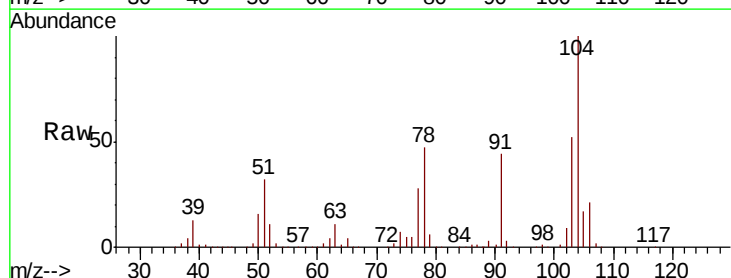
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 420879
Ion Ratio Lower Upper
106 100
91 221.6 105.7 317.1



#70
Styrene
Concen: 55.263 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion:104 Resp: 718525
Ion Ratio Lower Upper
104 100
78 51.7 38.2 57.2
103 56.0 44.4 66.6





#71

Bromoform

Concen: 55.325 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

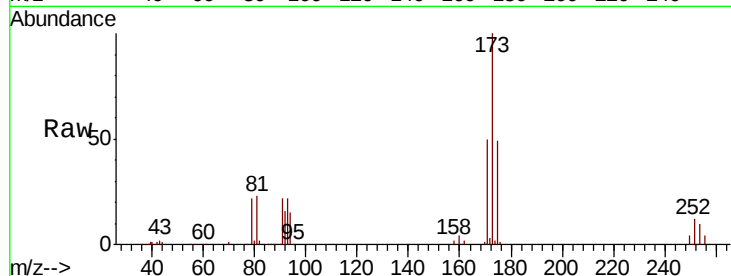
Tot Ion:173 Resp: 150646

Ion Ratio Lower Upper

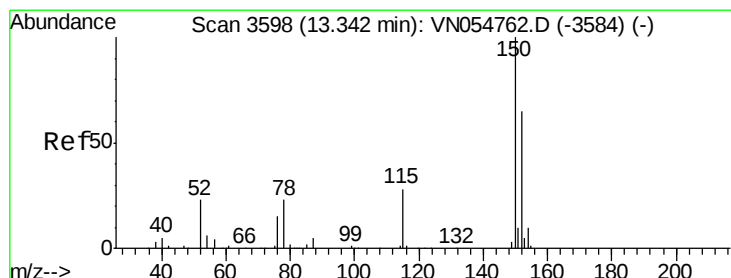
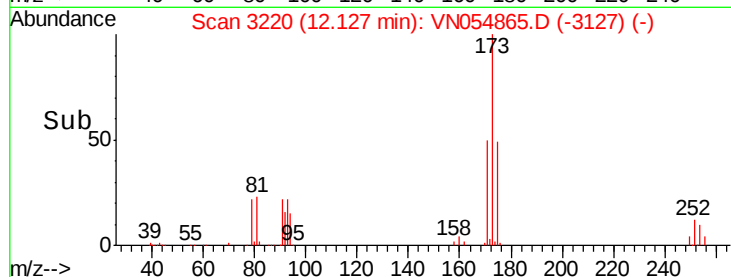
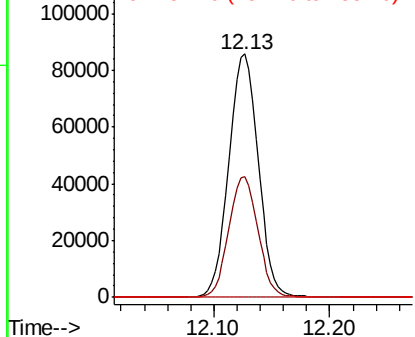
173 100

175 49.0 24.4 73.2

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

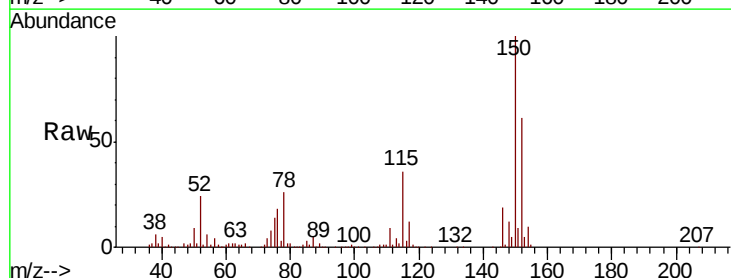
Tgt Ion:152 Resp: 292107

Ion Ratio Lower Upper

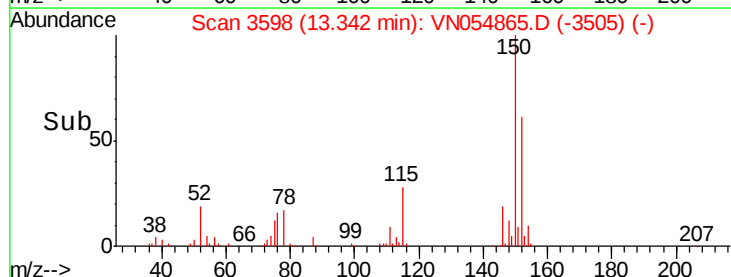
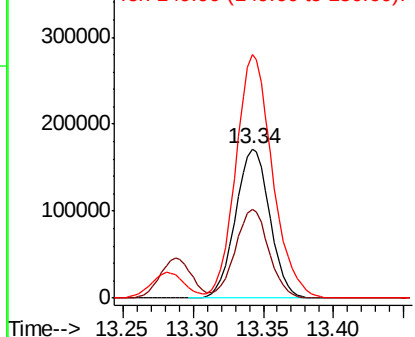
152 100

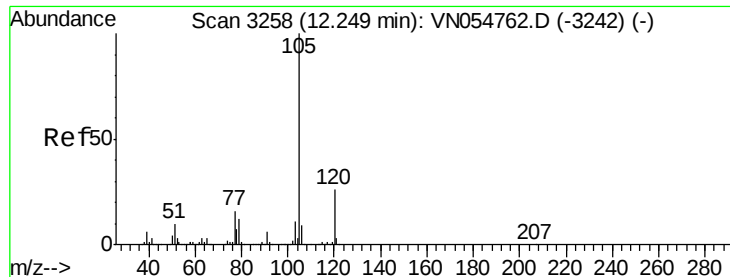
115 58.4 27.2 81.6

150 173.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.720 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

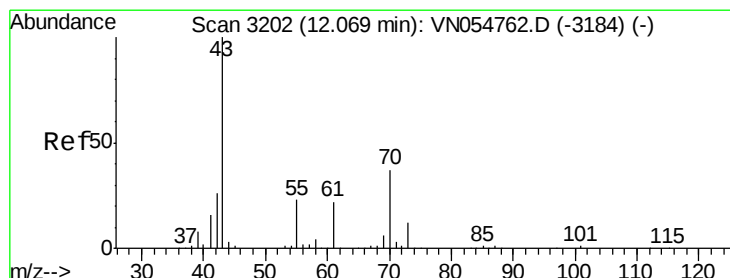
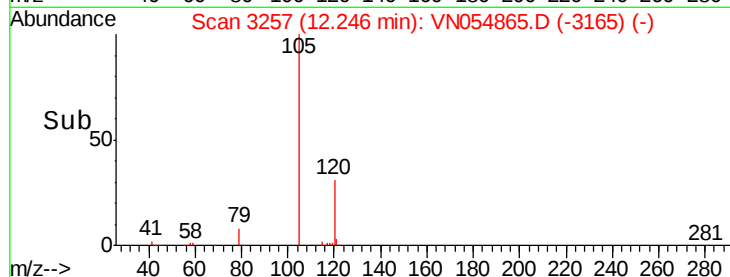
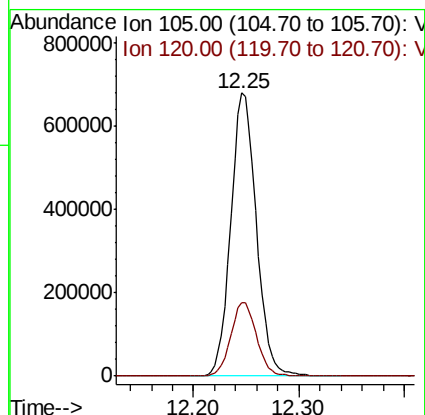
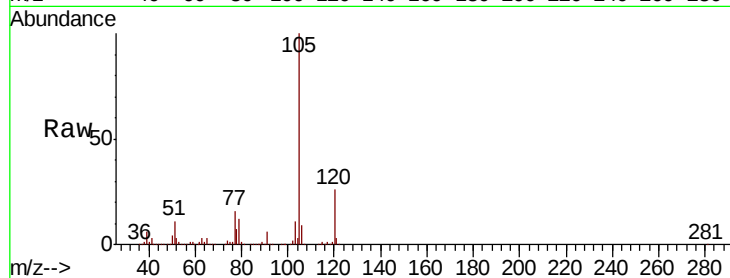
VSTDCCC050

Tot Ion:105 Resp: 1139353

Ion Ratio Lower Upper

105 100

120 26.2 13.8 41.3



#74

N-ethyl acetate

Concen: 49.192 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Tgt Ion: 43 Resp: 365900

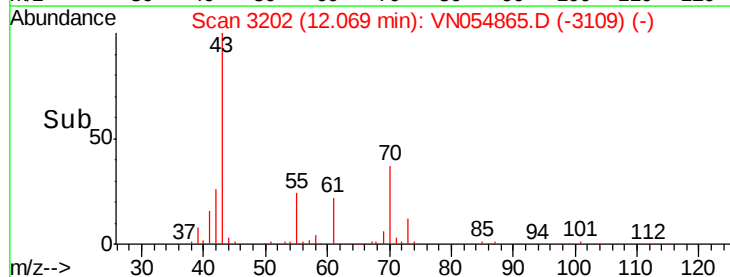
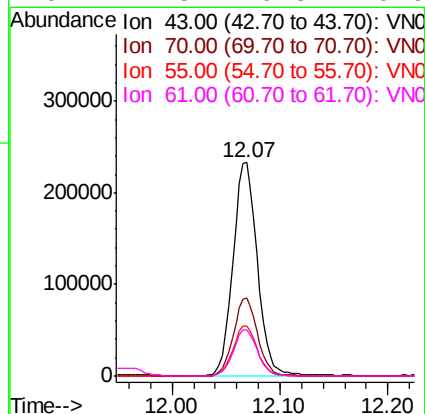
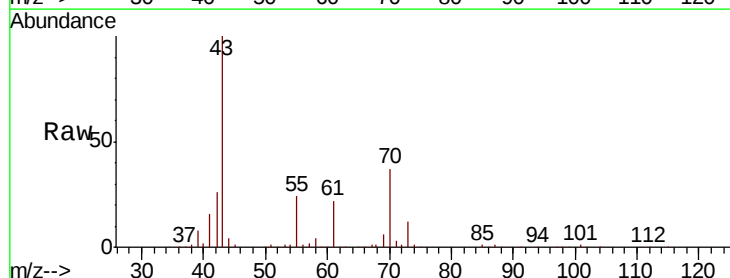
Ion Ratio Lower Upper

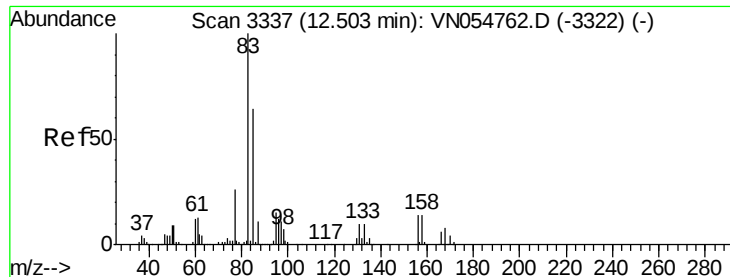
43 100

70 36.4 35.4 53.0

55 23.6 19.8 29.6

61 21.5 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.391 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

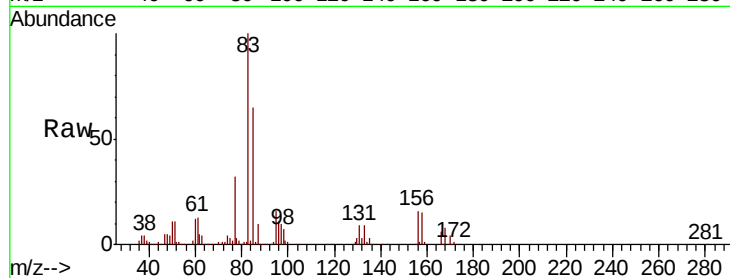
Tot Ion: 83 Resp: 270233

Ion Ratio Lower Upper

83 100

131 10.1 5.8 17.4

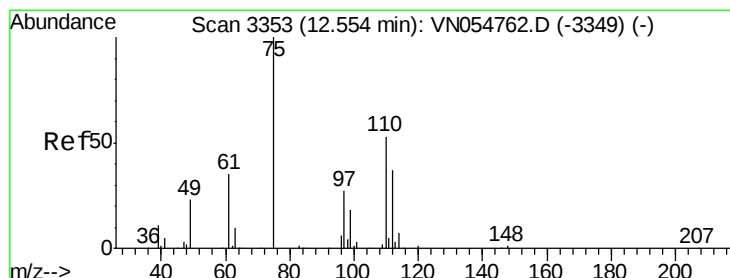
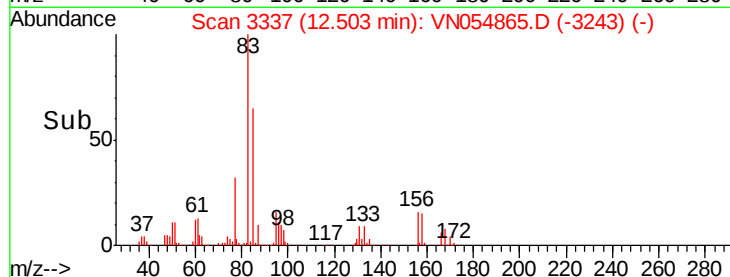
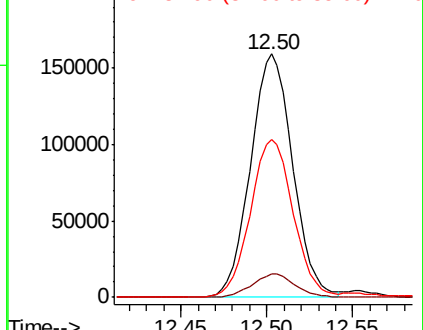
85 65.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 64.945 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054865.D

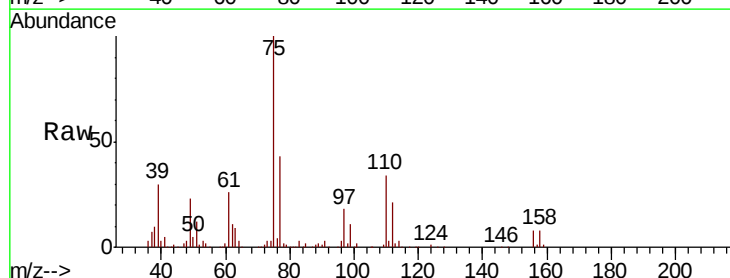
Acq: 1 Apr 2019 10:08

Tgt Ion: 75 Resp: 329569

Ion Ratio Lower Upper

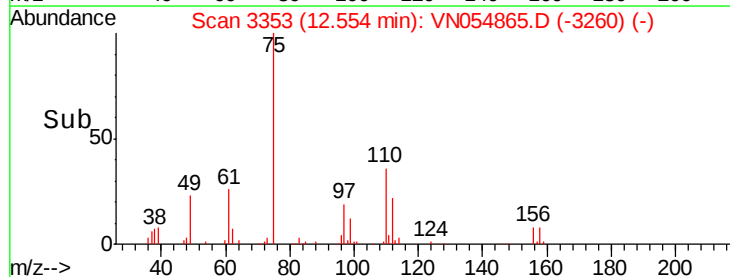
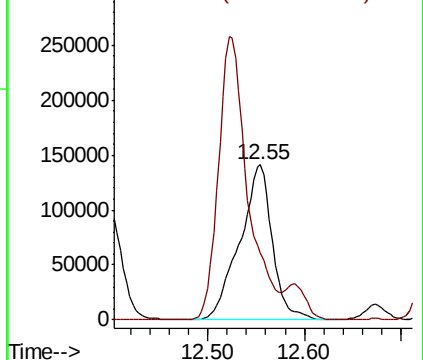
75 100

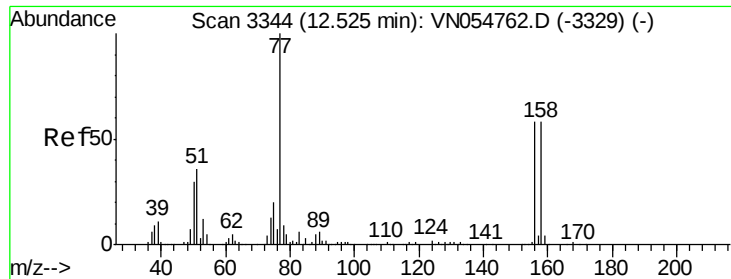
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.416 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

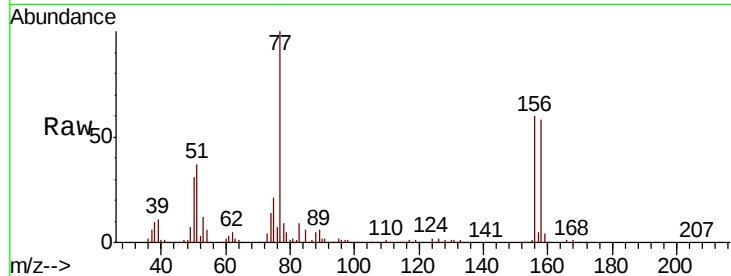
Tot Ion:156 Resp: 278986

Ion Ratio Lower Upper

156 100

77 194.0 81.5 244.4

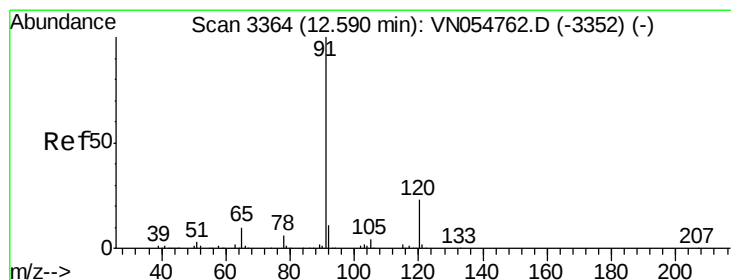
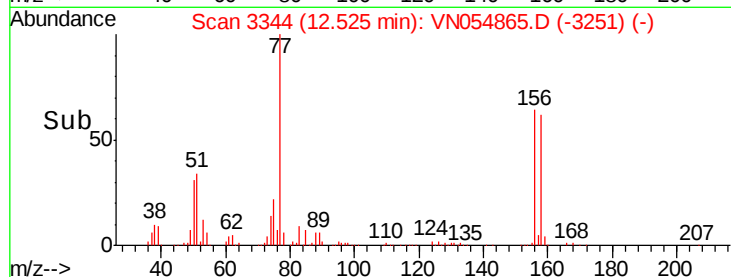
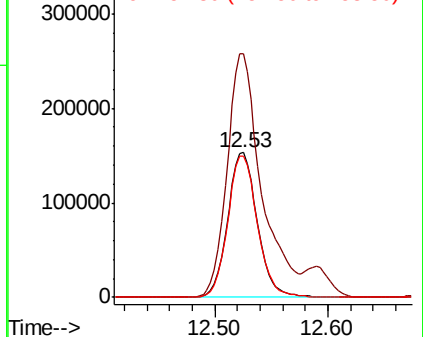
158 97.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.164 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054865.D

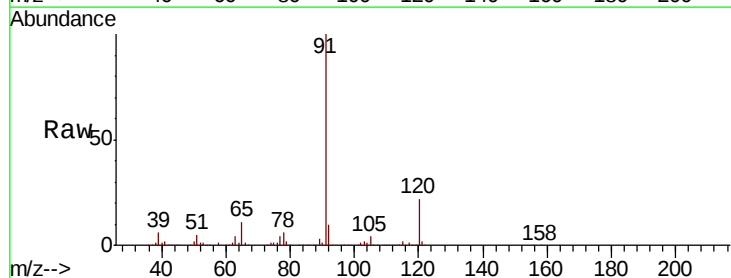
Acq: 1 Apr 2019 10:08

Tgt Ion: 91 Resp: 1316402

Ion Ratio Lower Upper

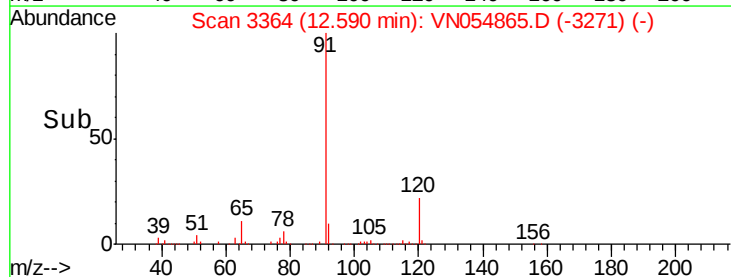
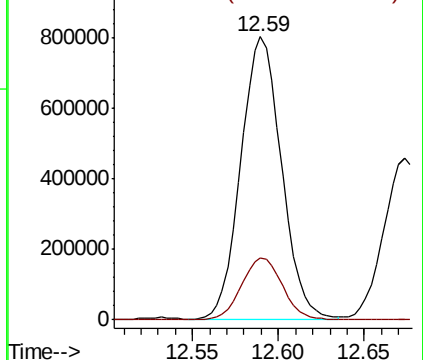
91 100

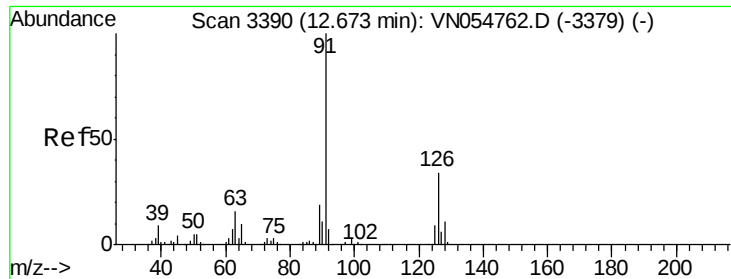
120 22.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.925 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

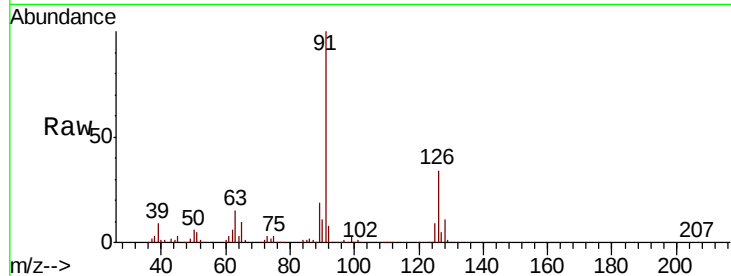
VSTDCCC050

Tot Ion: 91 Resp: 778066

Ion Ratio Lower Upper

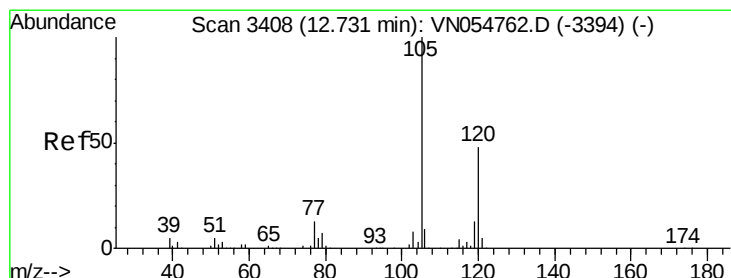
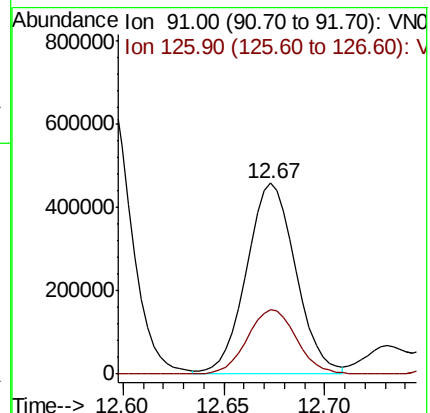
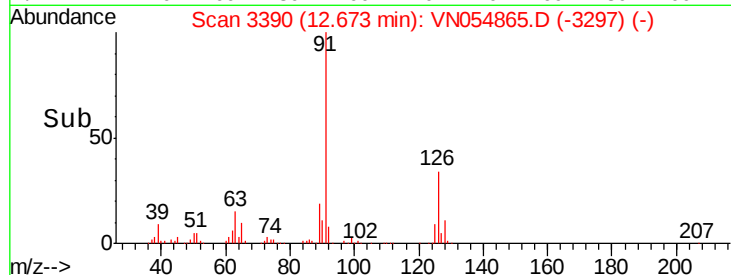
91 100

126 34.3 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054865.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN054865.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.940 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054865.D

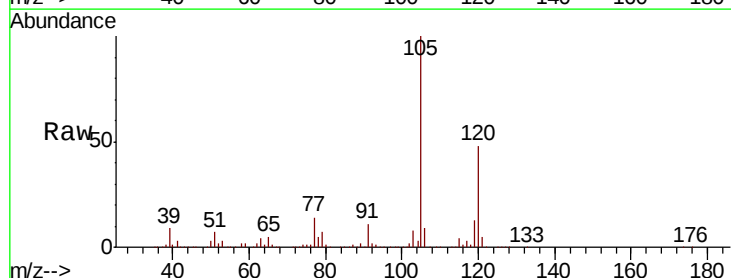
Acq: 1 Apr 2019 10:08

Tgt Ion:105 Resp: 958771

Ion Ratio Lower Upper

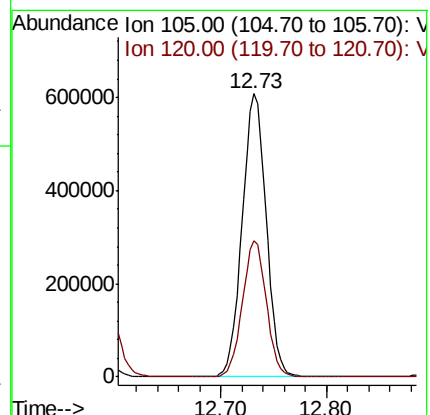
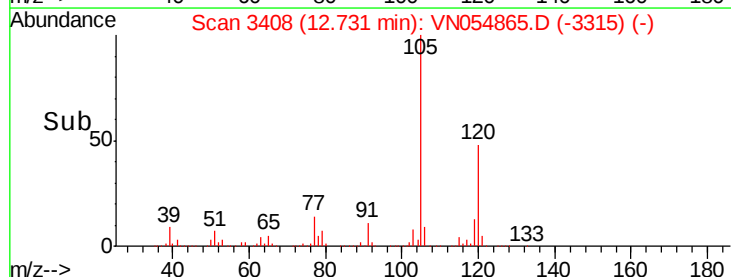
105 100

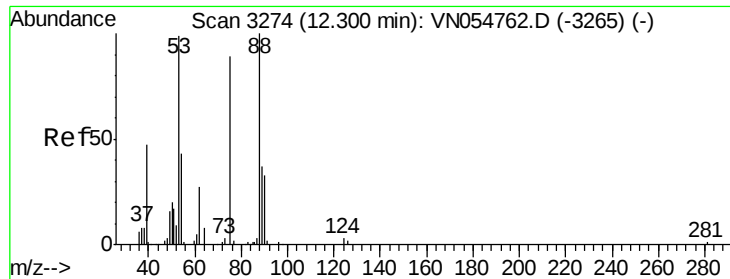
120 47.8 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054865.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN054865.D (-3315) (-)

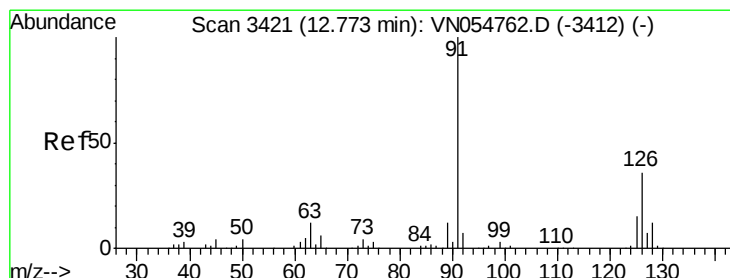
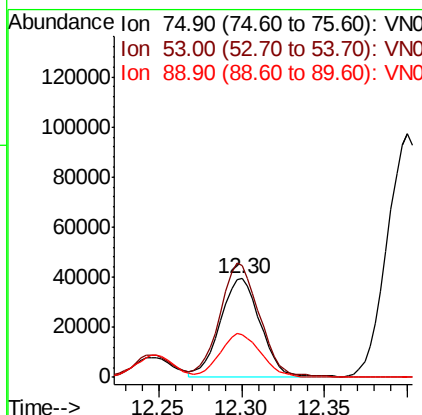
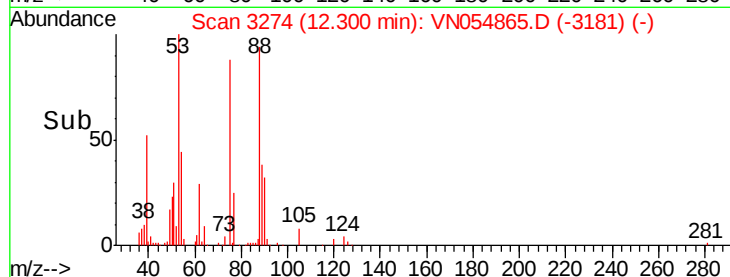
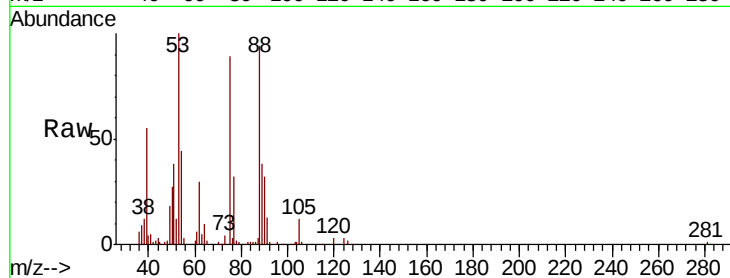




#81
trans-1,4-Dichloro-2-butene
Concen: 50.073 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

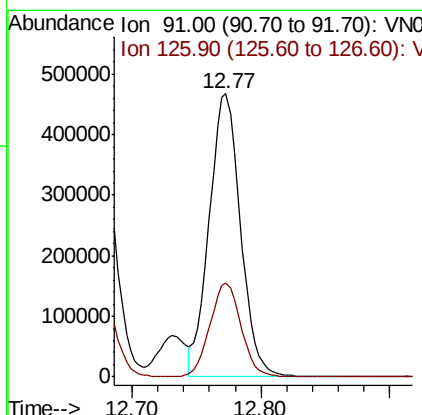
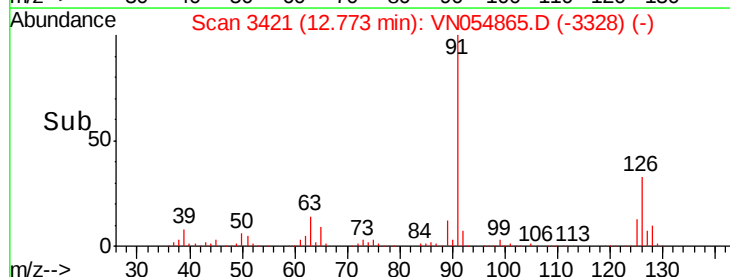
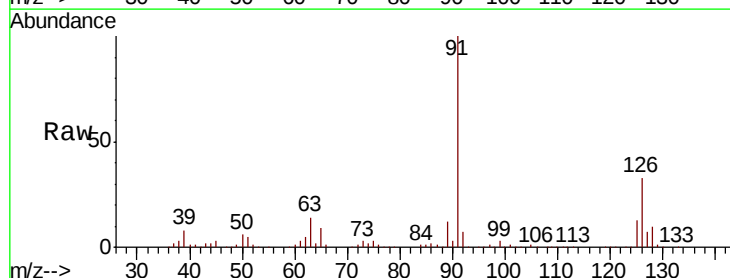
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

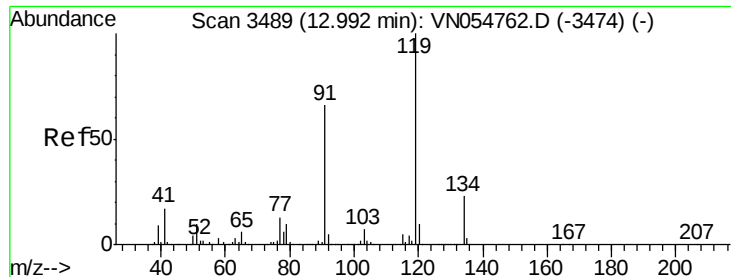
Tot Ion: 75 Resp: 65325
Ion Ratio Lower Upper
75 100
53 117.5 76.2 114.2#
89 44.5 39.2 58.8



#82
4-Chlorotoluene
Concen: 49.857 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion: 91 Resp: 786197
Ion Ratio Lower Upper
91 100
126 33.1 18.1 54.1

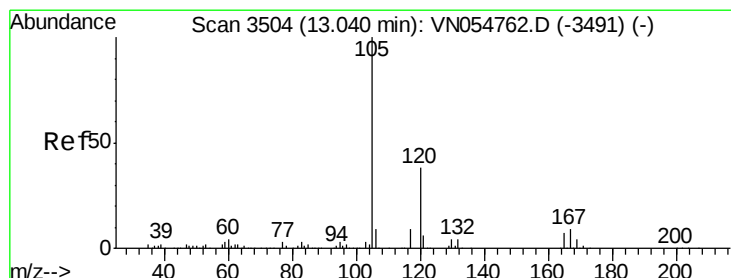
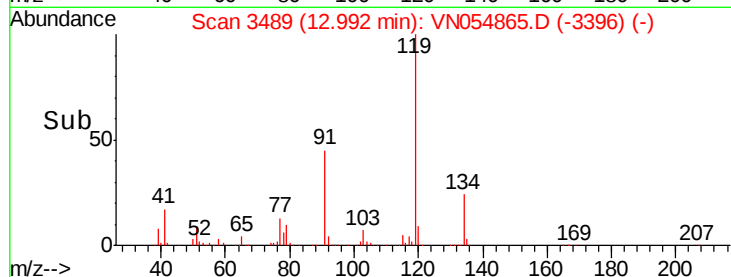
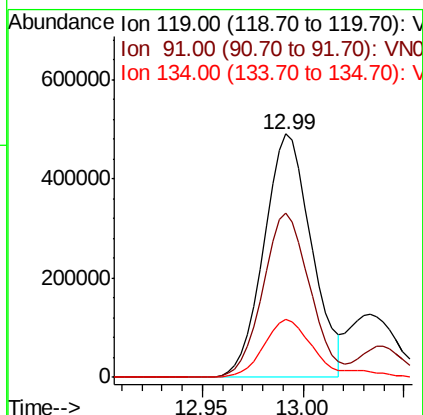
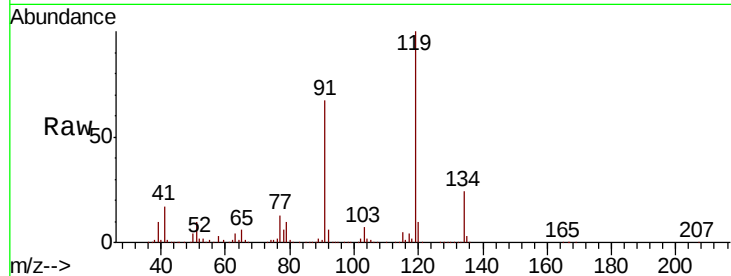




#83
 tert-Butylbenzene
 Concen: 53.284 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

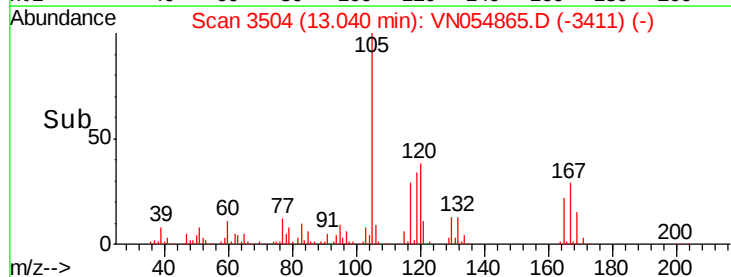
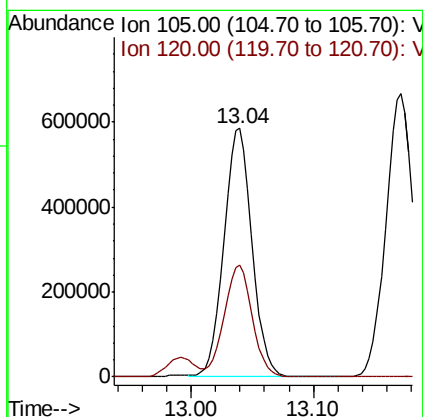
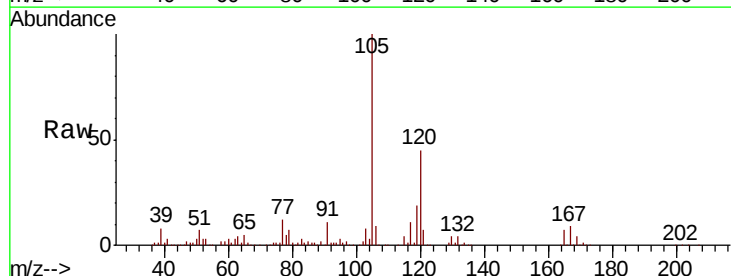
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

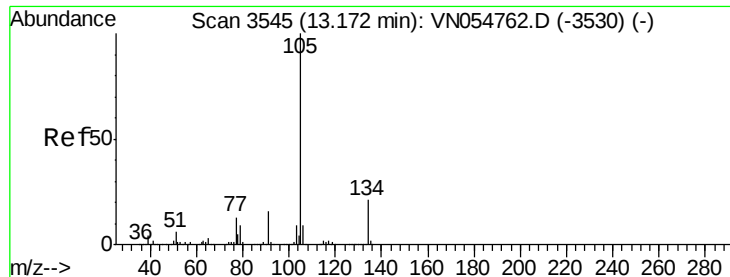
Tot Ion:119 Resp: 806732
 Ion Ratio Lower Upper
 119 100
 91 66.4 30.9 92.8
 134 25.7 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.554 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion:105 Resp: 943553
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.4 70.3





#85

sec-Butylbenzene

Concen: 50.251 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

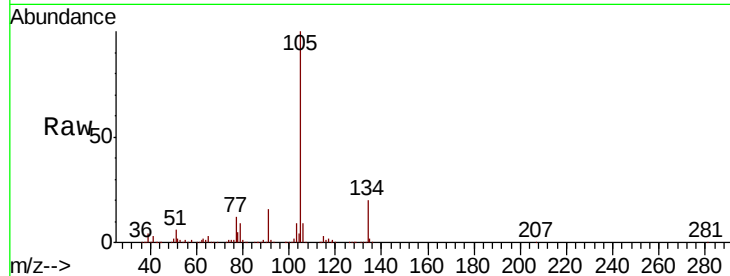
VSTDCCC050

Tot Ion:105 Resp: 1069426

Ion Ratio Lower Upper

105 100

134 19.9 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

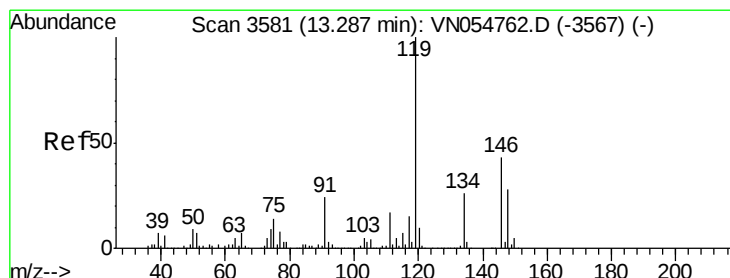
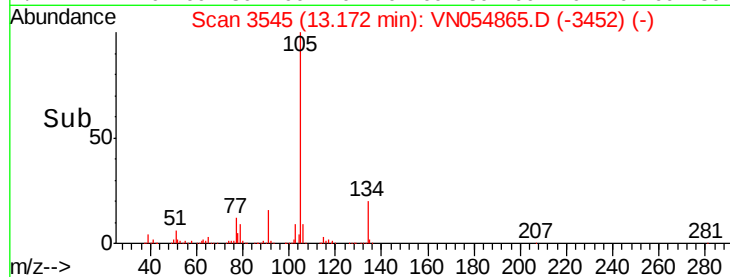
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.022 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

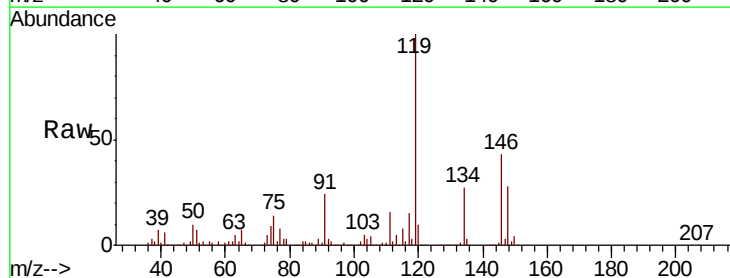
Tgt Ion:119 Resp: 957702

Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.8

91 23.7 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

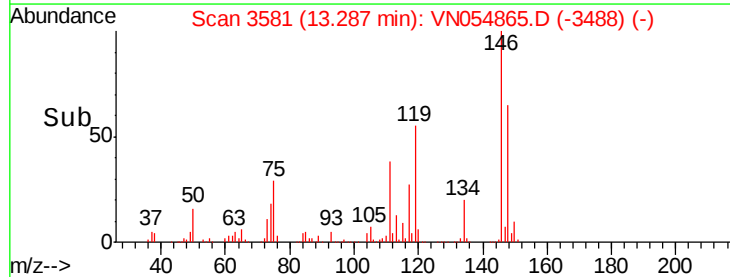
600000

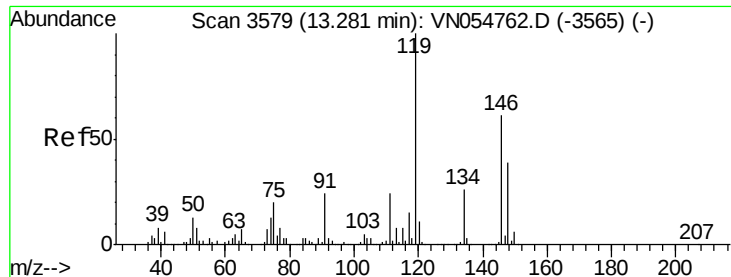
400000

200000

0

Time-->

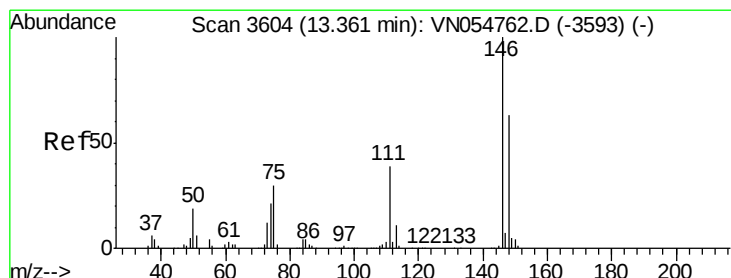
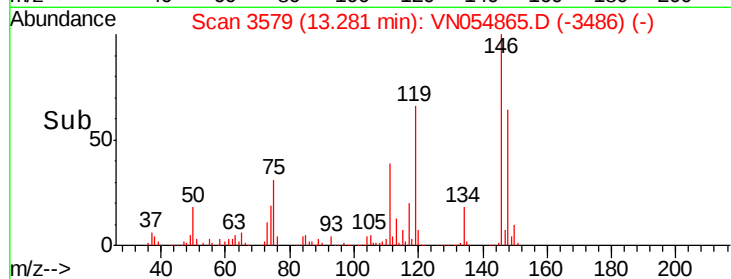
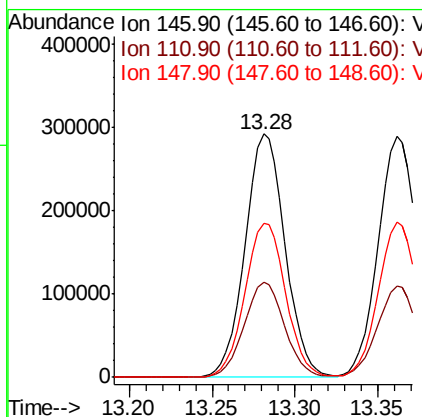
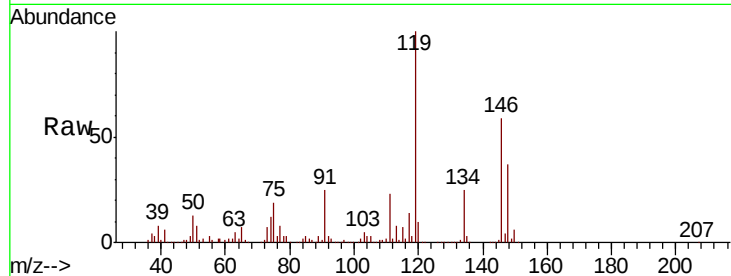




#87
 1,3-Dichlorobenzene
 Concen: 50.811 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

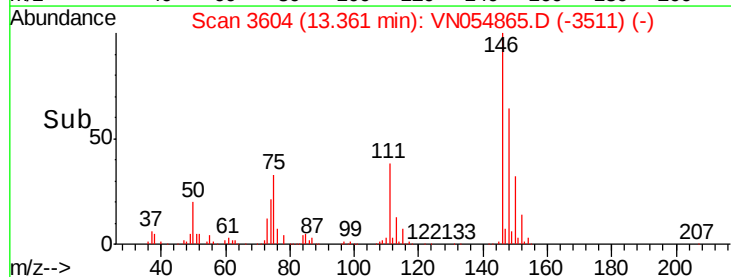
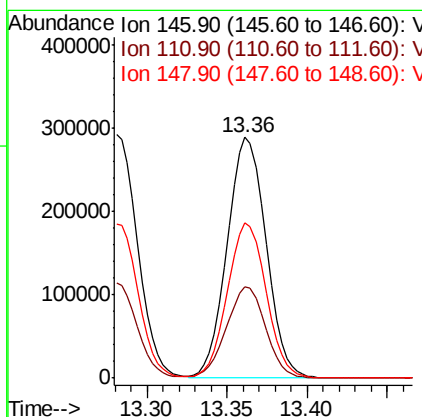
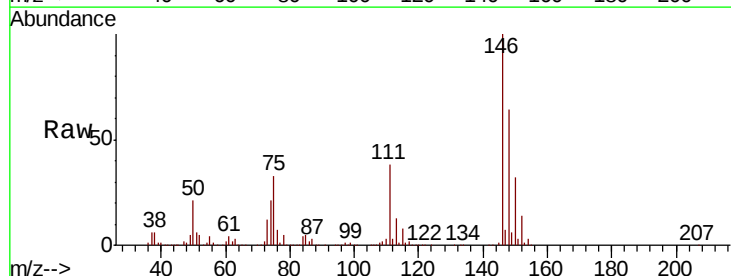
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

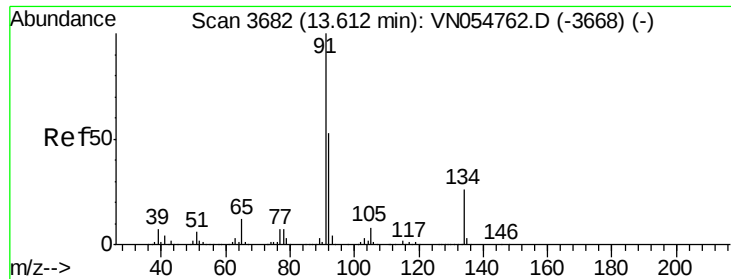
Tot Ion:146 Resp: 490199
 Ion Ratio Lower Upper
 146 100
 111 39.4 18.8 56.3
 148 64.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 50.615 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion:146 Resp: 478931
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.1 54.1
 148 64.4 32.0 96.0

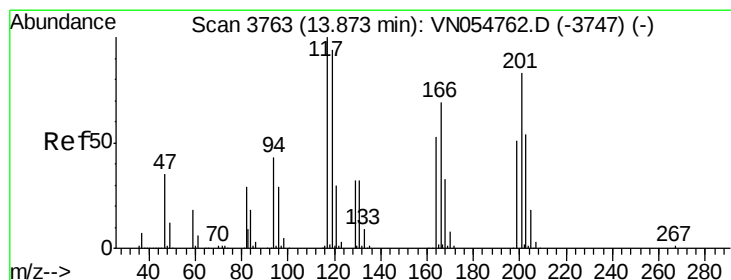
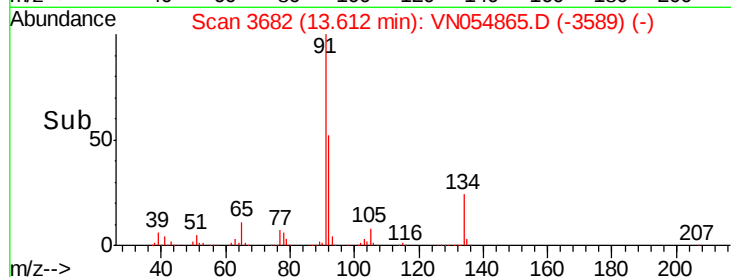
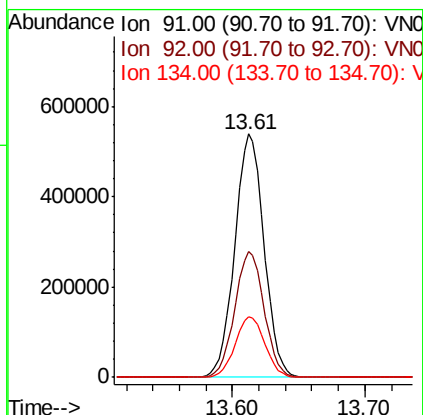
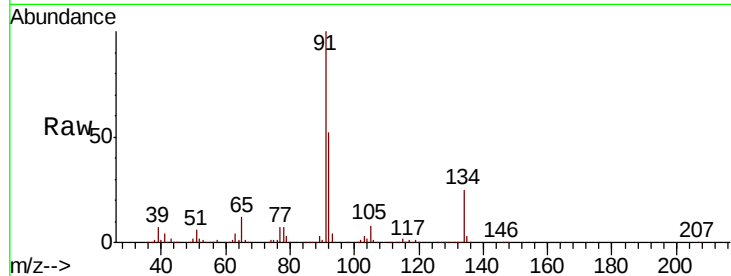




#89
n-Butylbenzene
Concen: 53.747 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

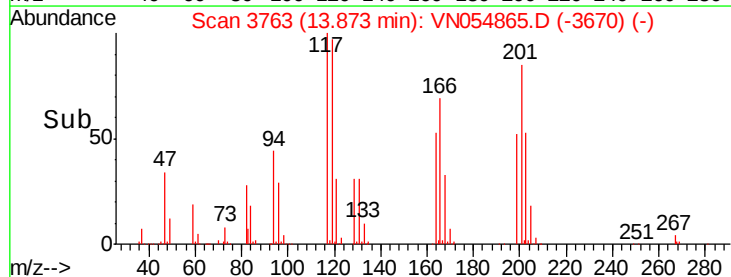
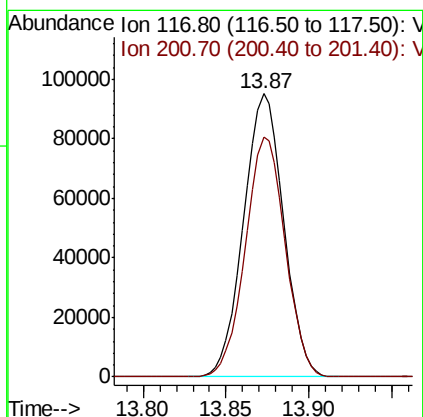
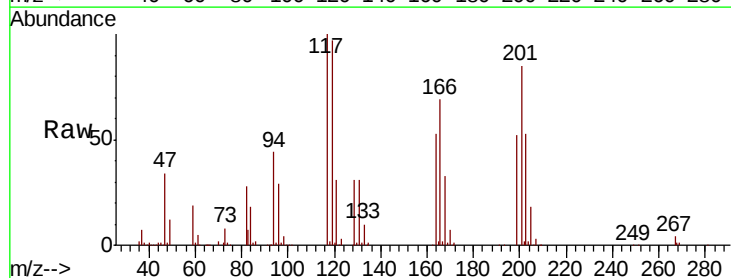
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

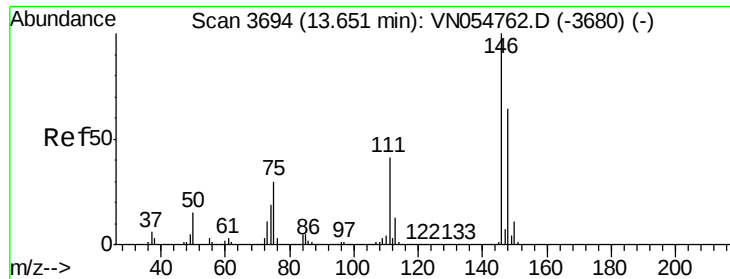
Tot Ion: 91 Resp: 823106
Ion Ratio Lower Upper
91 100
92 51.9 26.2 78.6
134 25.5 14.3 42.9



#90
Hexachloroethane
Concen: 50.162 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion: 117 Resp: 159860
Ion Ratio Lower Upper
117 100
201 84.2 48.1 144.4

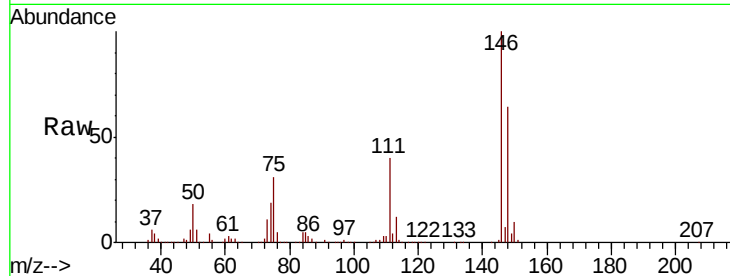




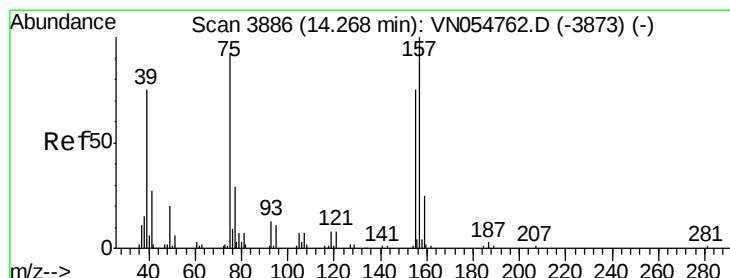
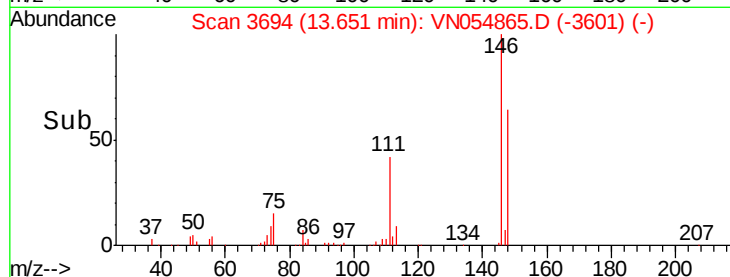
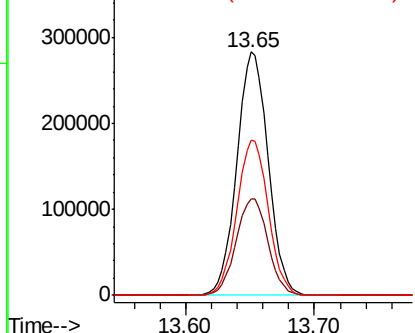
#91
 1,2-Dichlorobenzene
 Concen: 49.039 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 477469
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.1 57.3
 148 64.0 32.4 97.0

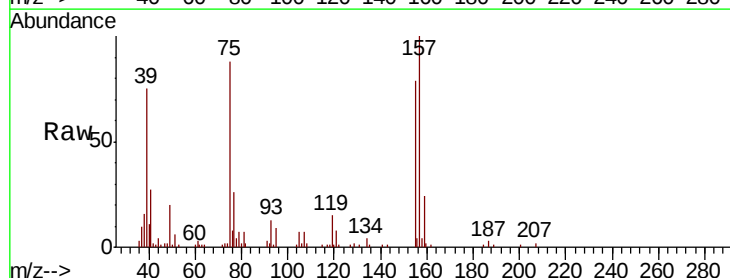


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

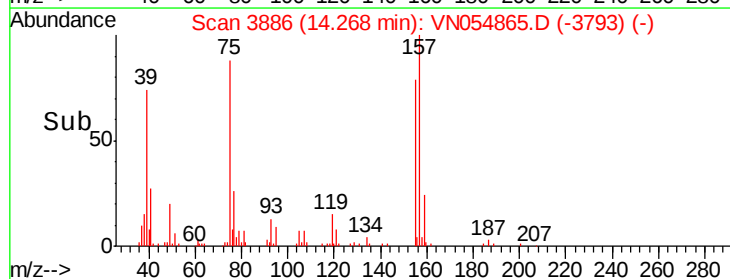
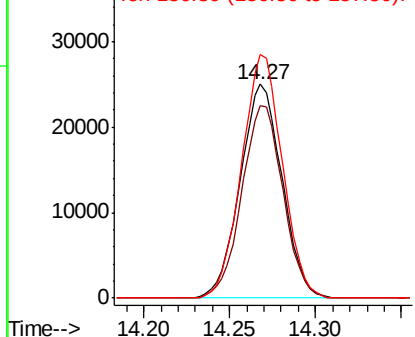


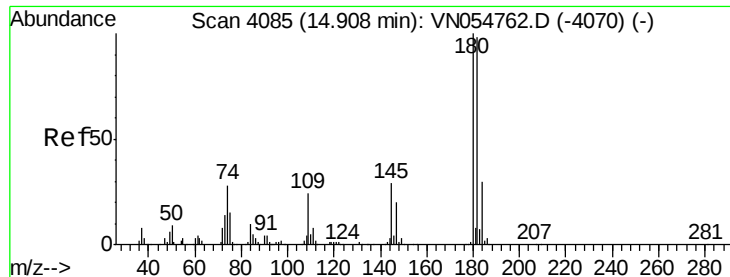
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.754 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion: 75 Resp: 42242
 Ion Ratio Lower Upper
 75 100
 155 88.1 50.1 150.3
 157 110.6 63.1 189.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

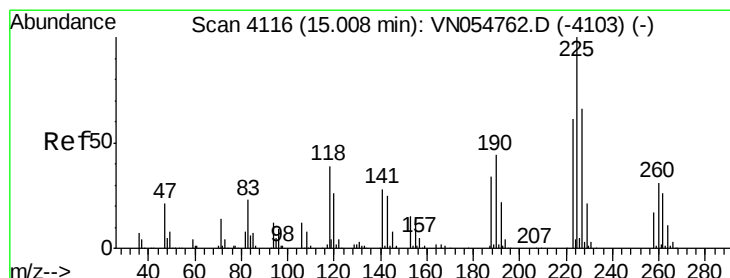
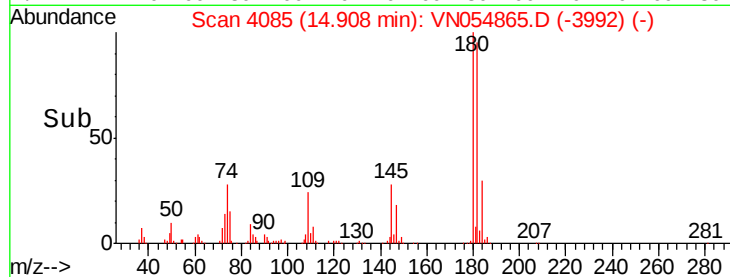
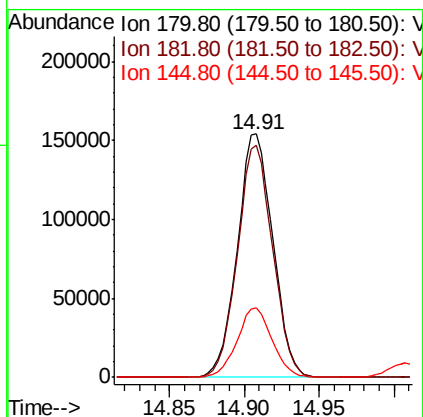
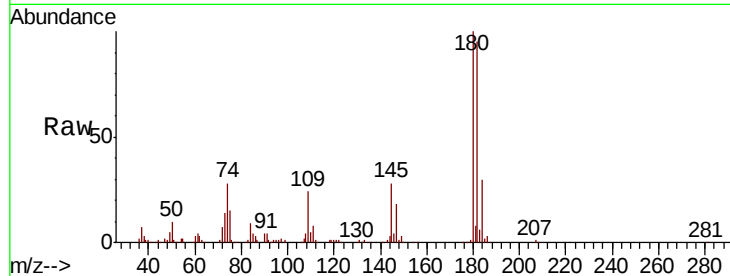




#93
 1,2,4-Trichlorobenzene
 Concen: 54.162 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

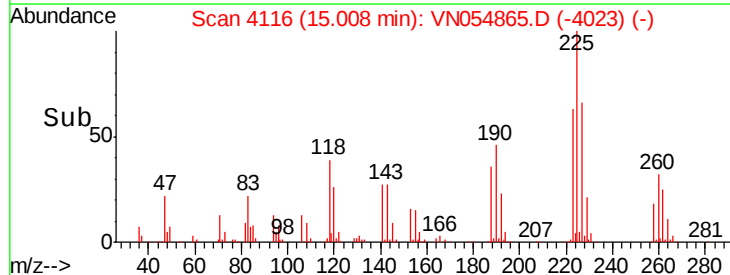
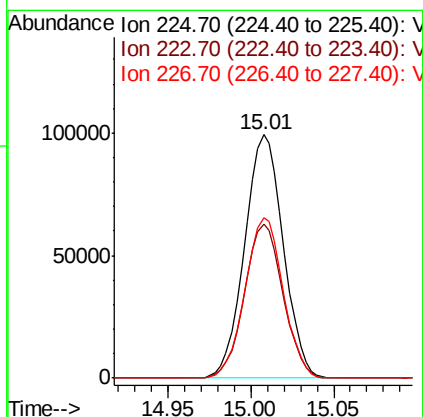
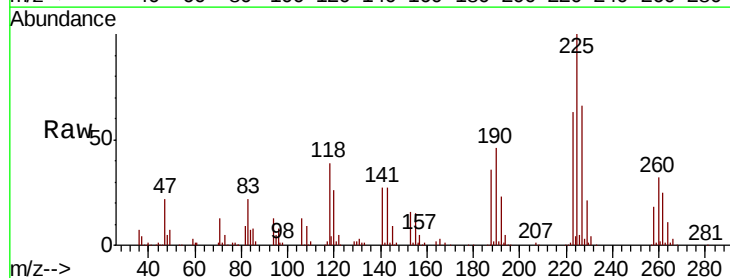
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 254239
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.0 144.2
 145 28.1 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 58.144 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion:225 Resp: 160685
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.1 93.5
 227 65.2 31.9 95.9





#95

Naphthalene

Concen: 48.861 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

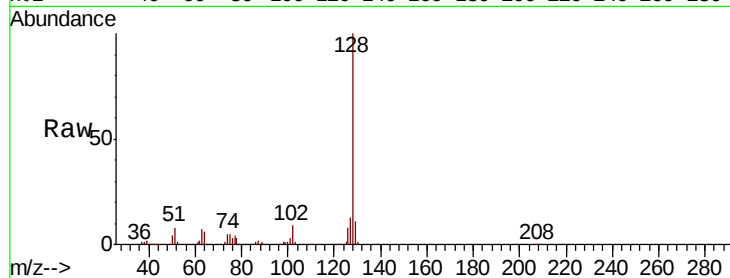
Tot Ion:128 Resp: 514400

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

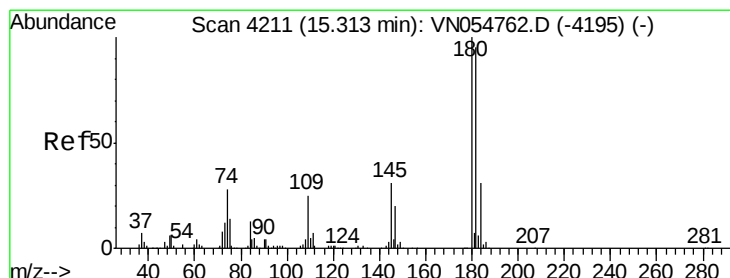
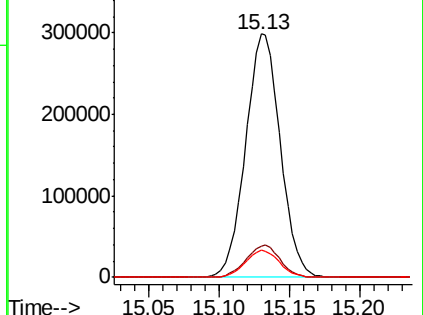
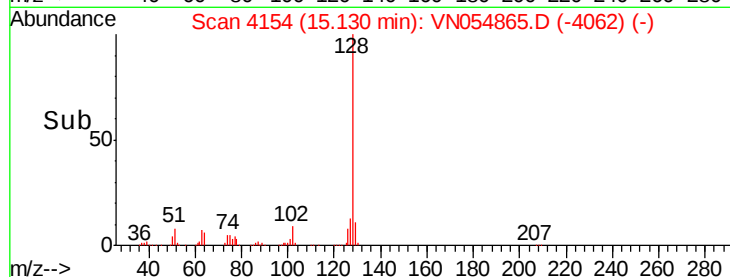
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.432 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

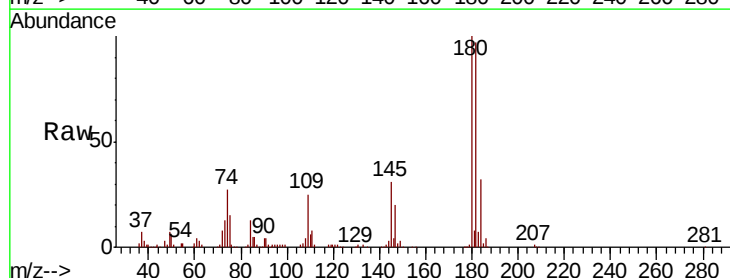
Tgt Ion:180 Resp: 243818

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.6

145 31.4 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

