

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031519\
 Data File : VN054311.D
 Acq On : 15 Mar 2019 15:58
 Operator : JC/SP
 Sample : VN0315WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

Quant Time: Mar 16 03:20:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1403270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2111427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1820497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	800125	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	721463	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
35) Dibromofluoromethane	7.59	113	675051	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	10.09	98	2418289	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	12.40	95	802381	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	249607	18.768	ug/l	97
3) Chloromethane	2.06	50	231483	17.918	ug/l	99
4) Vinyl Chloride	2.19	62	272716	18.470	ug/l	99
5) Bromomethane	2.57	94	183460	17.940	ug/l	95
6) Chloroethane	2.71	64	163511	18.302	ug/l	97
7) Trichlorofluoromethane	3.02	101	348000	17.727	ug/l	97
8) Diethyl Ether	3.41	74	183189	20.477	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	282463	19.201	ug/l	98
10) Methyl Iodide	3.94	142	399340	20.039	ug/l	98
11) Tert butyl alcohol	4.83	59	103765	101.566	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	285183	19.562	ug/l	94
13) Acrolein	3.61	56	65892	68.063	ug/l	98
14) Allyl chloride	4.31	41	336702	18.001	ug/l	99
15) Acrylonitrile	4.99	53	448923	106.972	ug/l	100
16) Acetone	3.82	43	352374	82.581	ug/l	99
17) Carbon Disulfide	4.04	76	596296	16.316	ug/l	99
18) Methyl Acetate	4.33	43	206085	23.872	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	738044	20.424	ug/l	98
20) Methylene Chloride	4.54	84	280345	20.009	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	268011	19.187	ug/l	97
22) Diisopropyl ether	5.96	45	724862	19.417	ug/l	98
23) Vinyl Acetate	5.90	43	2599155	94.431	ug/l	99
24) 1,1-Dichloroethane	5.85	63	466472	19.461	ug/l	99
25) 2-Butanone	6.85	43	522867	104.403	ug/l	99
26) 2,2-Dichloropropane	6.82	77	329663	15.639	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	310578	19.931	ug/l	95
28) Bromochloromethane	7.19	49	196687	20.072	ug/l	95
29) Tetrahydrofuran	7.22	42	343166	106.571	ug/l	97
30) Chloroform	7.37	83	499886	19.986	ug/l	99
31) Cyclohexane	7.65	56	410741	17.532	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	427760	18.936	ug/l	99
36) 1,1-Dichloropropene	7.79	75	360297	18.530	ug/l	98
37) Ethyl Acetate	6.94	43	230462	20.628	ug/l	99
38) Carbon Tetrachloride	7.77	117	365317	17.916	ug/l	100

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Quant Time: Mar 16 03:20:23 2019
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 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	402304	16.816	ug/l	98
40) Benzene	8.04	78	1088641	19.565	ug/l	100
41) Methacrylonitrile	7.18	41	130572	20.468	ug/l	98
42) 1,2-Dichloroethane	8.13	62	363890	19.371	ug/l	97
43) Isopropyl Acetate	8.17	43	374746	19.109	ug/l	98
44) Trichloroethene	8.83	130	339546	19.644	ug/l	98
45) 1,2-Dichloropropane	9.12	63	278448	20.153	ug/l	98
46) Dibromomethane	9.21	93	186842	20.015	ug/l	98
47) Bromodichloromethane	9.40	83	354243	18.929	ug/l	99
48) Methyl methacrylate	9.20	41	203947	20.493	ug/l	97
49) 1,4-Dioxane	9.20	88	64418	457.603	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1106735	106.640	ug/l	98
52) Toluene	10.16	92	694129	19.674	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	318471	16.273	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	395050	18.115	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	268520	20.844	ug/l	97
56) Ethyl methacrylate	10.43	69	305560	19.892	ug/l	95
57) 1,3-Dichloropropane	10.71	76	426624	20.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	623404	104.078	ug/l	99
59) 2-Hexanone	10.75	43	700714	101.470	ug/l	98
60) Dibromochloromethane	10.90	129	268853	18.542	ug/l	99
61) 1,2-Dibromoethane	11.01	107	270856	20.690	ug/l	100
64) Tetrachloroethene	10.63	164	342124	19.437	ug/l	99
65) Chlorobenzene	11.43	112	799444	19.999	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	283217	19.504	ug/l	98
67) Ethyl Benzene	11.51	91	1281311	19.337	ug/l	100
68) m/p-Xylenes	11.62	106	1012349	39.089	ug/l	98
69) o-Xylene	11.95	106	507195	20.090	ug/l	97
70) Styrene	11.96	104	769846	19.443	ug/l	100
71) Bromoform	12.13	173	174014	17.332	ug/l #	99
73) Isopropylbenzene	12.25	105	1307556	20.426	ug/l	100
74) N-amyl acetate	12.07	43	298904	21.036	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	310502	22.766	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	350740	29.809	ug/l #	100
77) Bromobenzene	12.53	156	354459	20.925	ug/l	96
78) n-propylbenzene	12.59	91	1342961	19.334	ug/l	99
79) 2-Chlorotoluene	12.67	91	846619	20.271	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1045696	19.639	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53819	15.636	ug/l	89
82) 4-Chlorotoluene	12.77	91	824325	19.766	ug/l	99
83) tert-Butylbenzene	12.99	119	948076	19.344	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1035768	19.828	ug/l	100
85) sec-Butylbenzene	13.17	105	1177128	18.520	ug/l	100
86) p-Isopropyltoluene	13.29	119	1014961	18.202	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	572622	20.061	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	549309	19.590	ug/l	98
89) n-Butylbenzene	13.62	91	721472	17.029	ug/l	99
90) Hexachloroethane	13.88	117	146243	15.839	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	586302	21.012	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44345	21.012	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

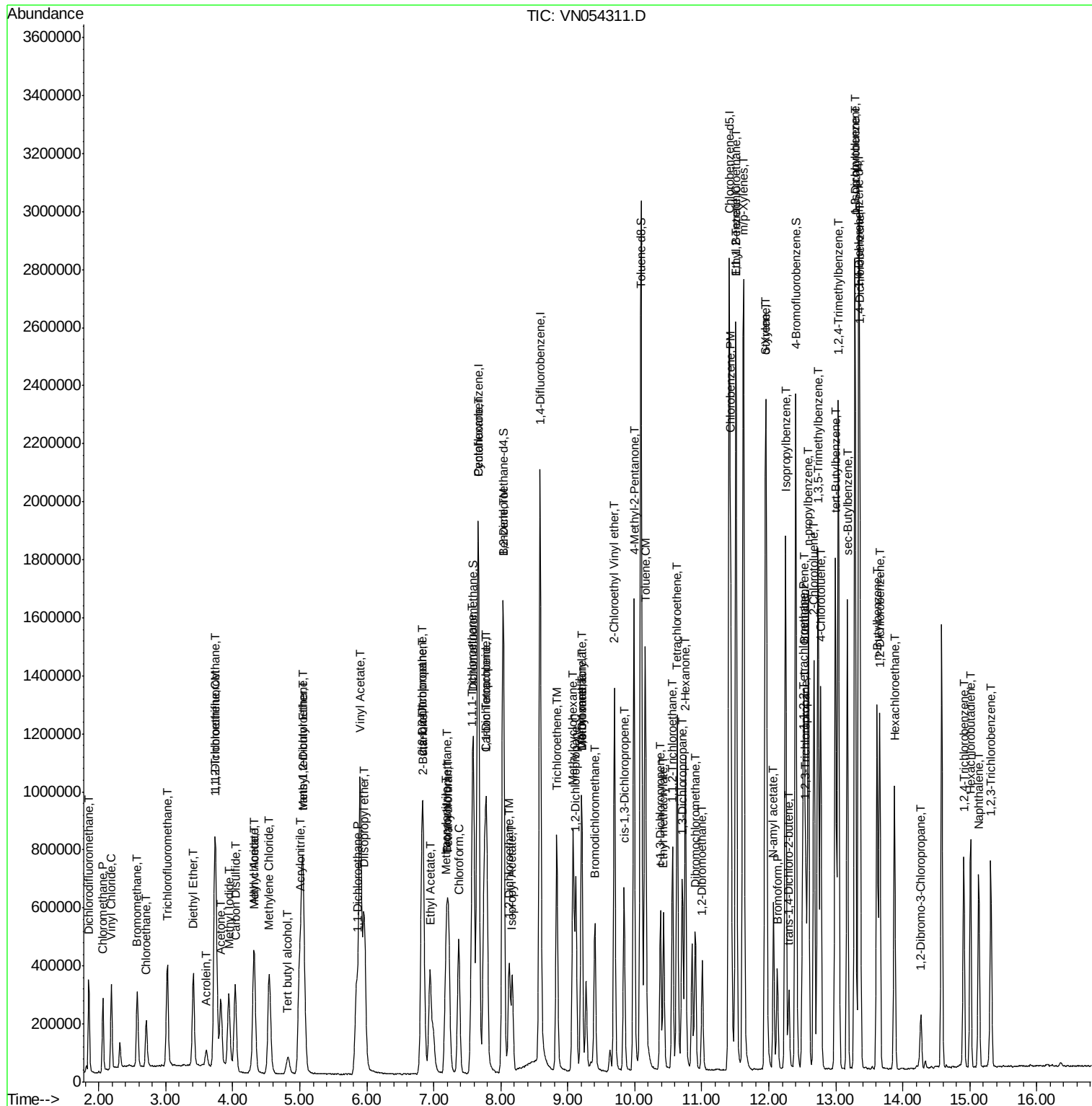
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	266375	17.533	ug/l	97
94) Hexachlorobutadiene	15.01	225	176362	16.593	ug/l	99
95) Naphthalene	15.13	128	611662	19.690	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	274856	18.539	ug/l	99

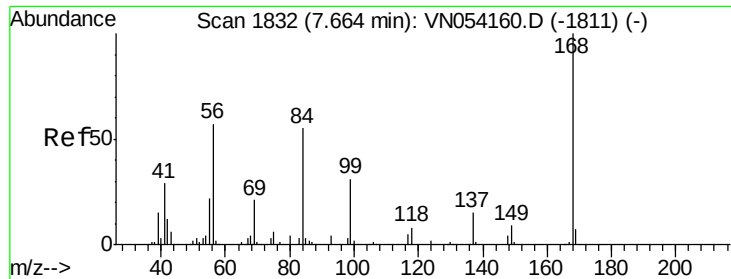
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031519\
 Data File : VN054311.D
 Acq On : 15 Mar 2019 15:58
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

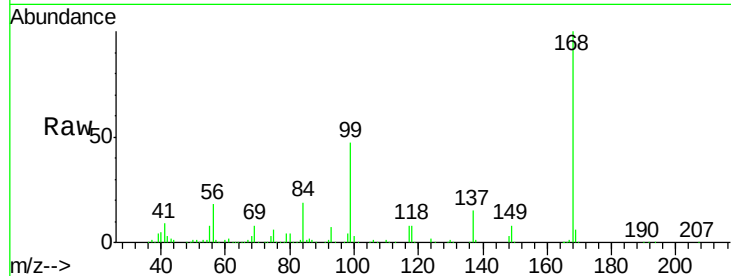
VN0315WBS01

Tot Ion:168 Resp: 1403270

Ion Ratio Lower Upper

168 100

99 46.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

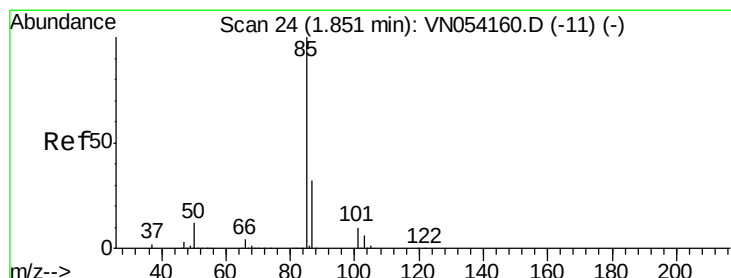
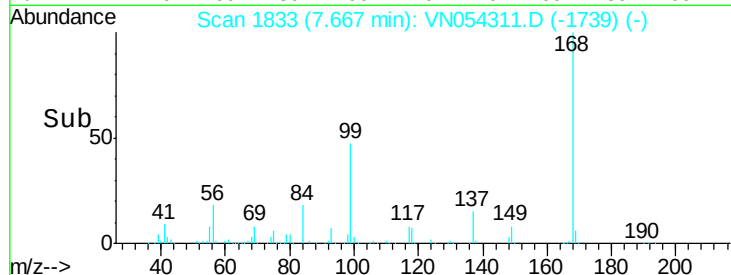
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.768 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054311.D

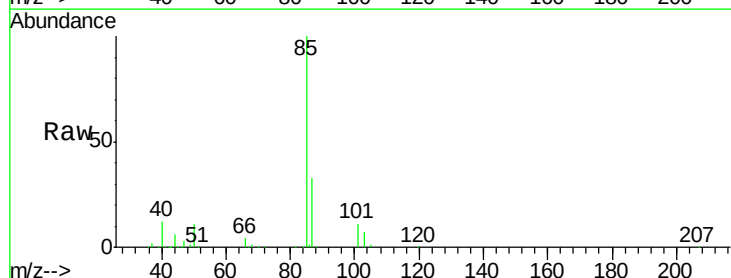
Acq: 15 Mar 2019 15:58

Tgt Ion: 85 Resp: 249607

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

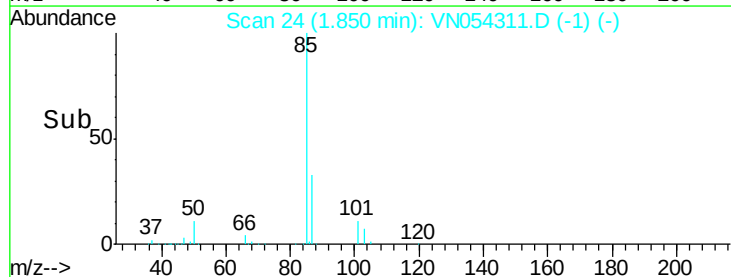
150000

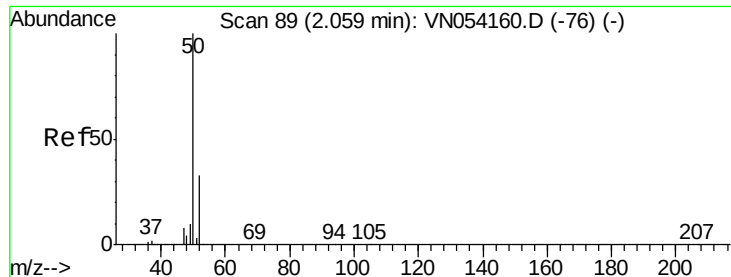
100000

50000

0

Time-->





#3

Chloromethane

Concen: 17.918 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

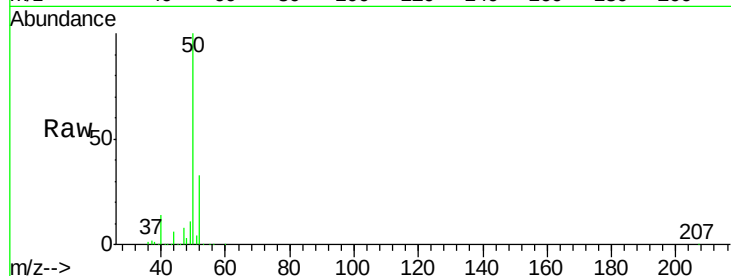
VN0315WBS01

Tot Ion: 50 Resp: 231483

Ion Ratio Lower Upper

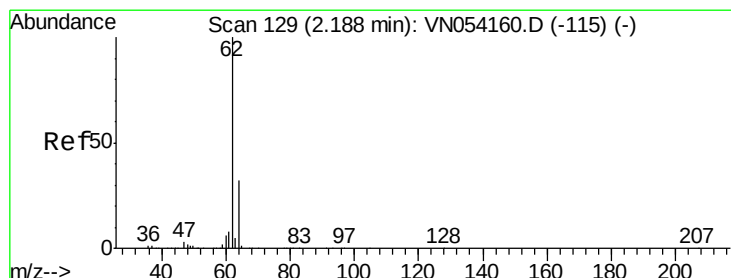
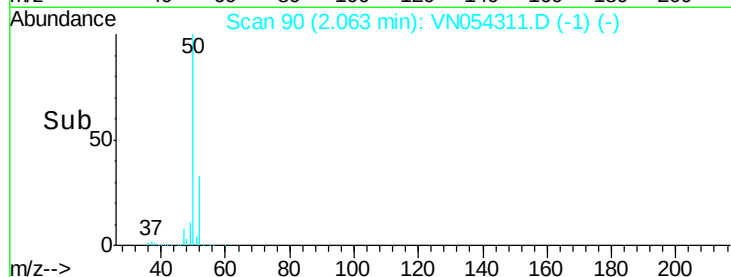
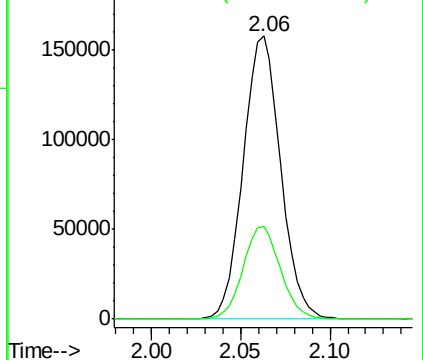
50 100

52 32.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.470 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054311.D

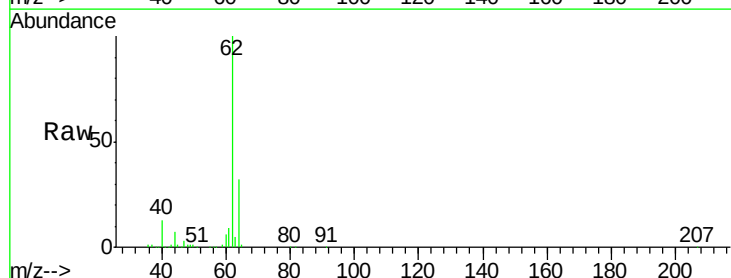
Acq: 15 Mar 2019 15:58

Tgt Ion: 62 Resp: 272716

Ion Ratio Lower Upper

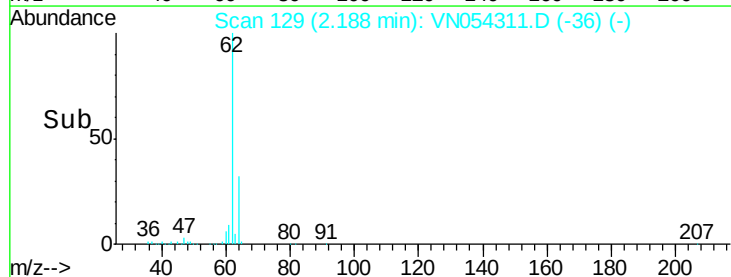
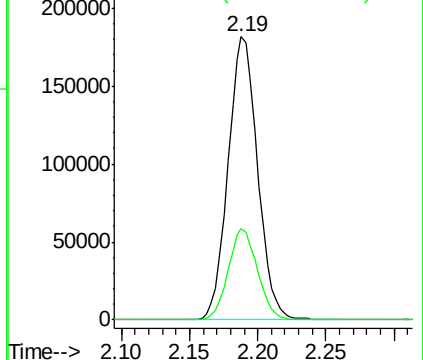
62 100

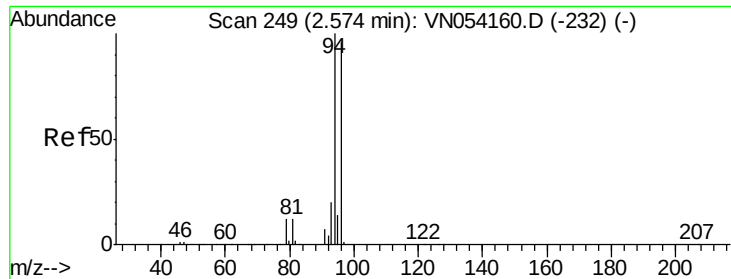
64 32.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

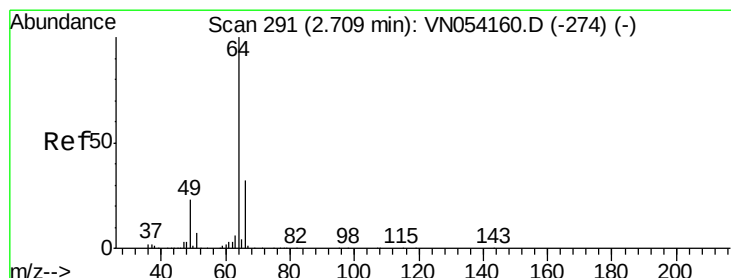
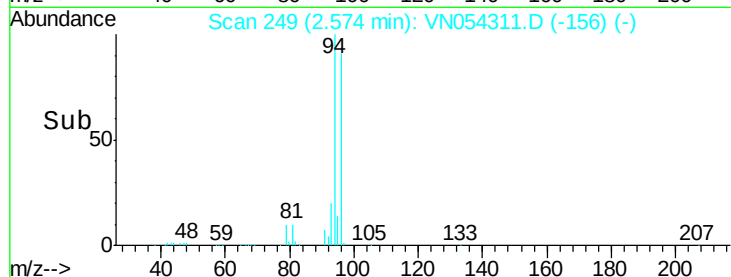
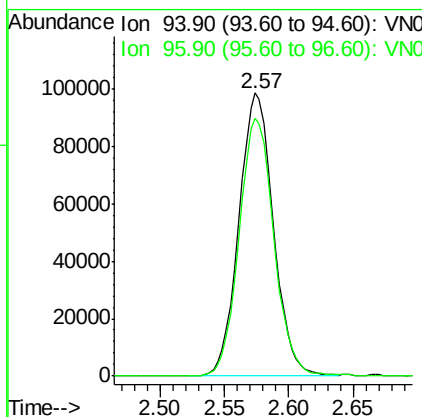
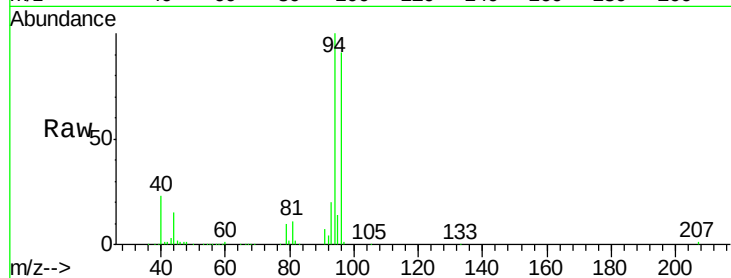




#5
Bromomethane
Concen: 17.940 ug/l
RT: 2.57 min Scan# 249
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

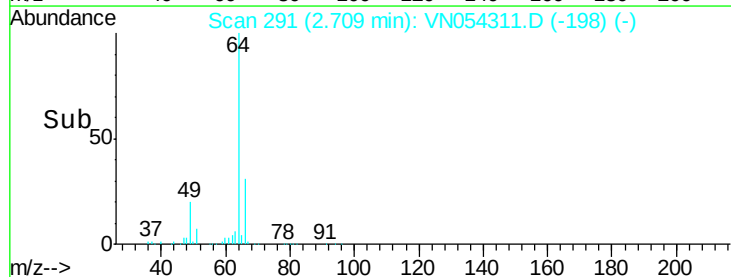
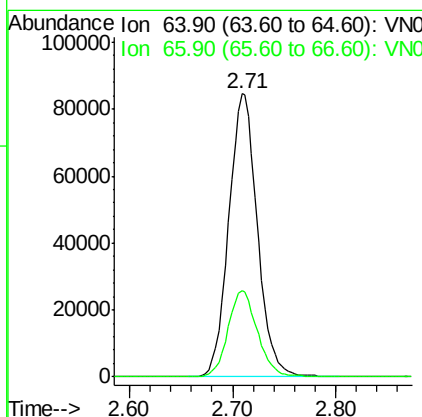
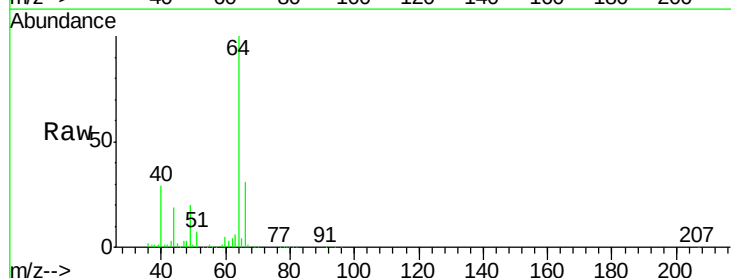
Instrument :
MSVOA_N
ClientSampled :
VN0315WBS01

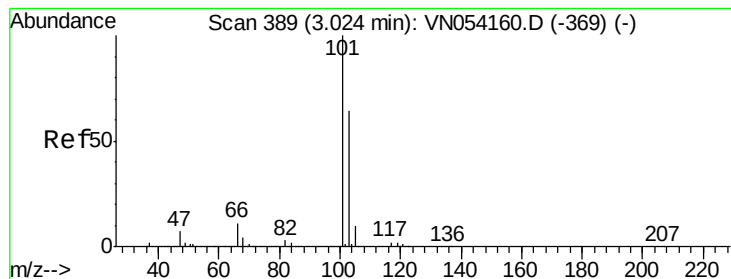
Tot Ion: 94 Resp: 183460
Ion Ratio Lower Upper
94 100
96 91.0 77.0 115.4



#6
Chloroethane
Concen: 18.302 ug/l
RT: 2.71 min Scan# 291
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion: 64 Resp: 163511
Ion Ratio Lower Upper
64 100
66 30.7 25.7 38.5



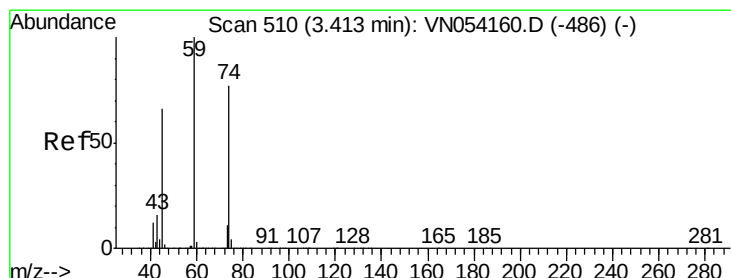
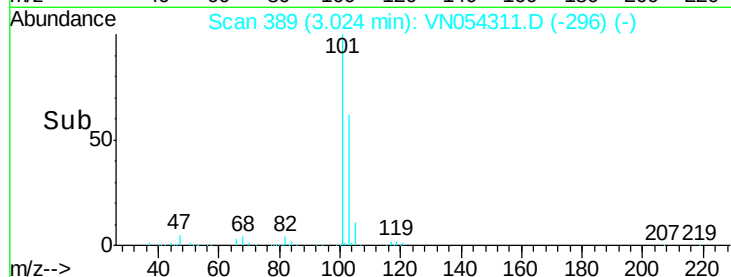
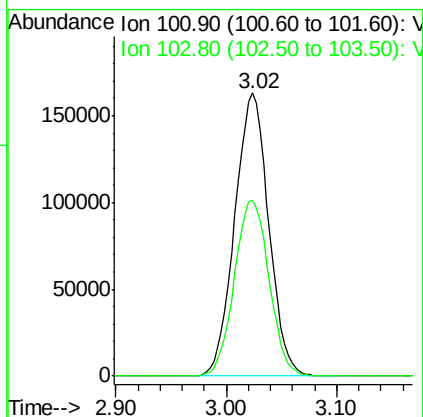
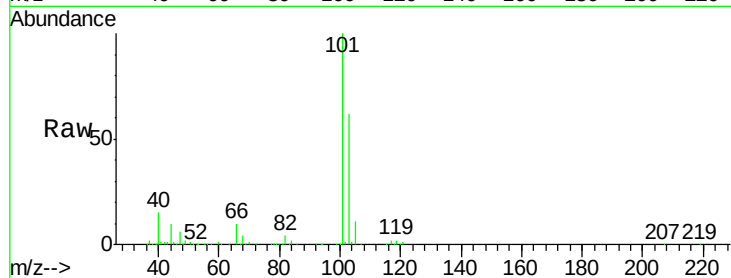


#7

Trichlorofluoromethane
 Concen: 17.727 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Instrument :
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 ClientSampleId :
 VN0315WBS01

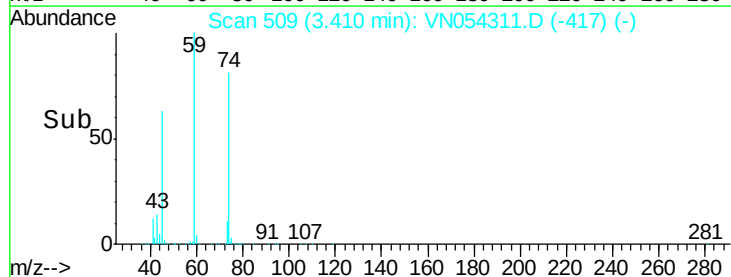
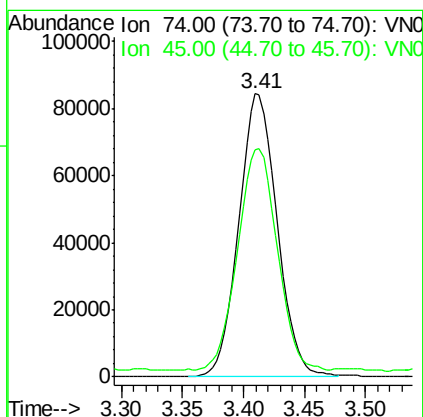
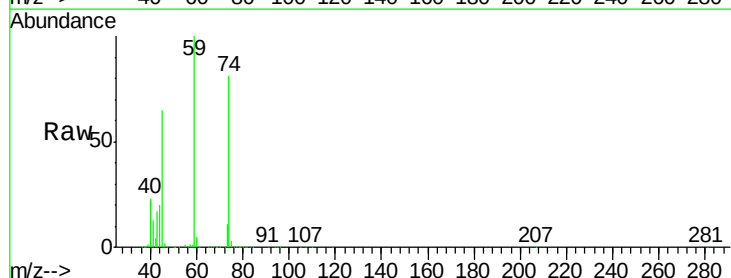
Tot Ion:101 Resp: 348000
 Ion Ratio Lower Upper
 101 100
 103 62.0 51.4 77.2

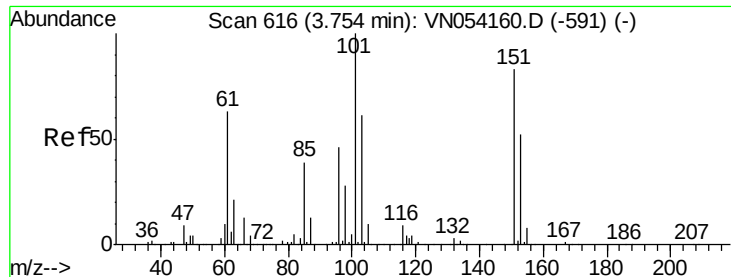


#8

Diethyl Ether
 Concen: 20.477 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion: 74 Resp: 183189
 Ion Ratio Lower Upper
 74 100
 45 80.5 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.201 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

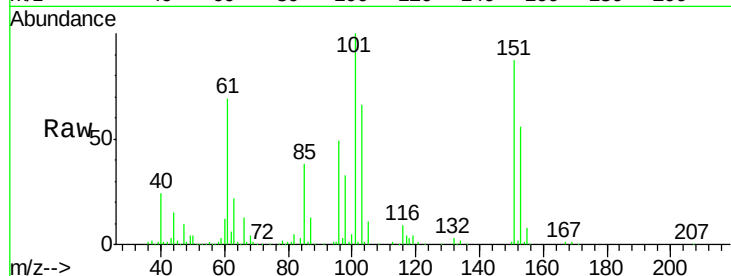
Tot Ion:101 Resp: 282463

Ion Ratio Lower Upper

101 100

85 39.7 32.4 48.6

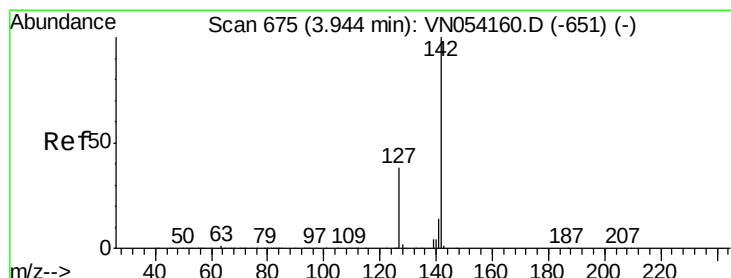
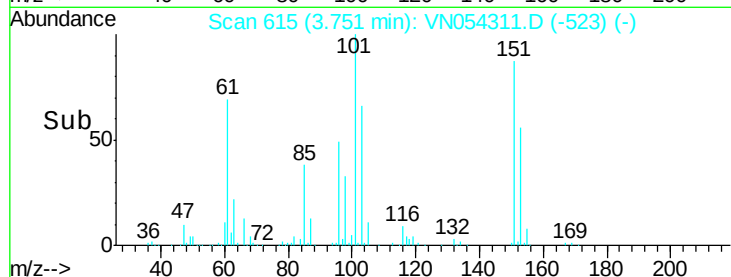
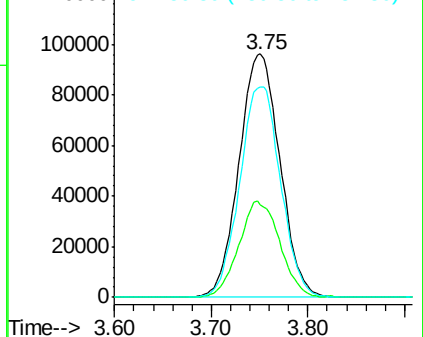
151 86.7 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.039 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

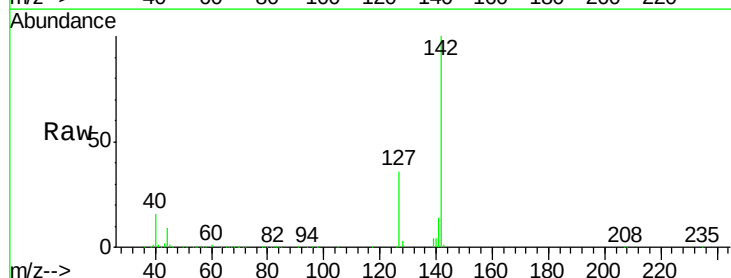
Tgt Ion:142 Resp: 399340

Ion Ratio Lower Upper

142 100

127 36.6 30.3 45.5

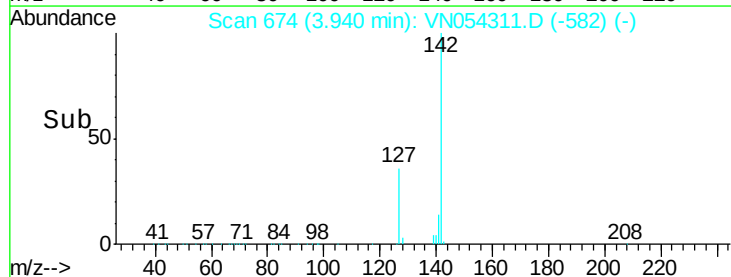
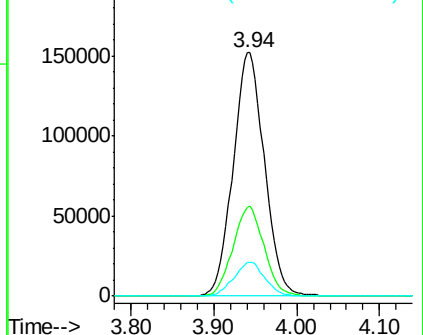
141 13.9 11.2 16.8

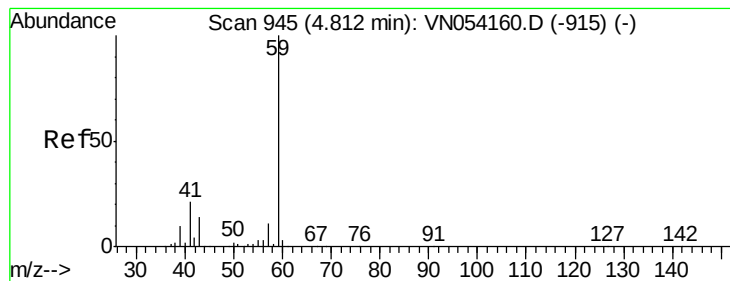


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



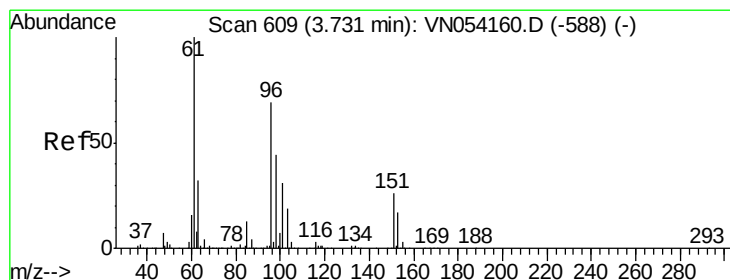
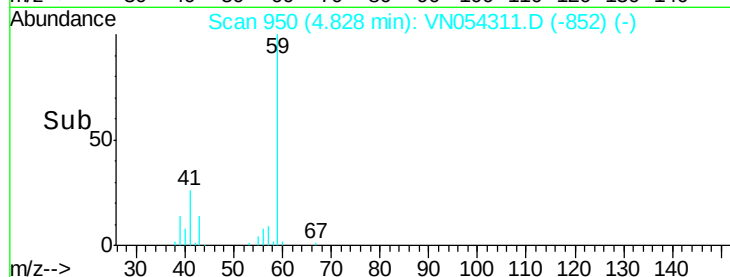
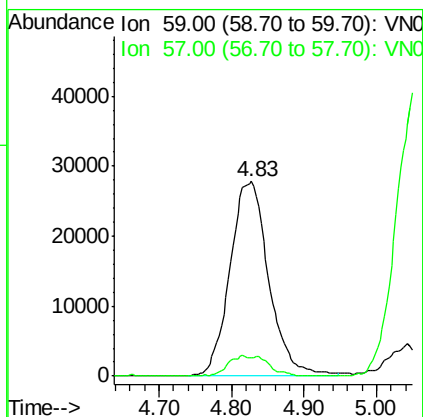
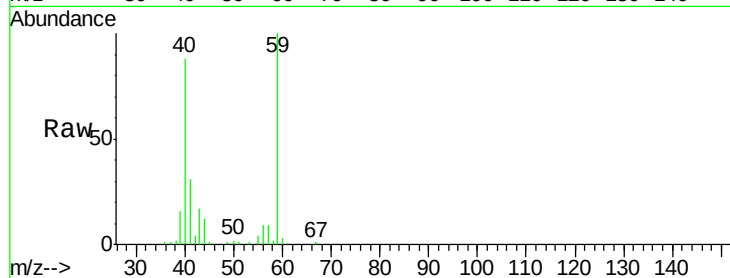


#11

Tert butyl alcohol
 Concen: 101.566 ug/l
 RT: 4.83 min Scan# 950
 Delta R.T. 0.02 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

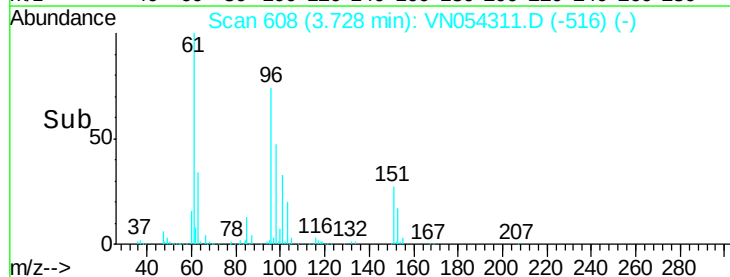
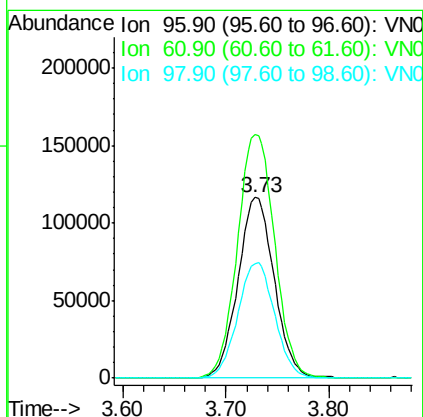
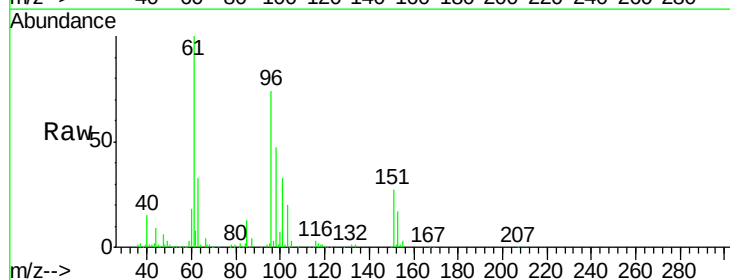
Tot Ion: 59 Resp: 103765
 Ion Ratio Lower Upper
 59 100
 57 6.1 9.0 13.6#

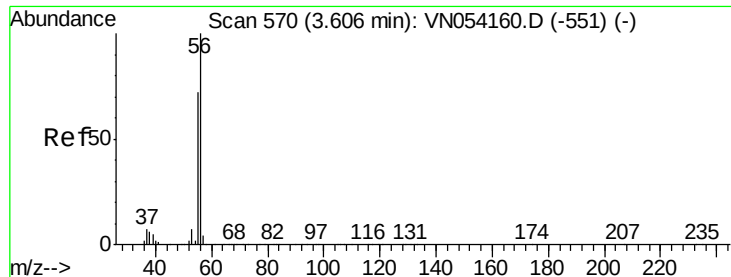


#12

1,1-Dichloroethene
 Concen: 19.562 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion: 96 Resp: 285183
 Ion Ratio Lower Upper
 96 100
 61 134.9 116.5 174.7
 98 63.5 51.0 76.4





#13

Acrolein

Concen: 68.063 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

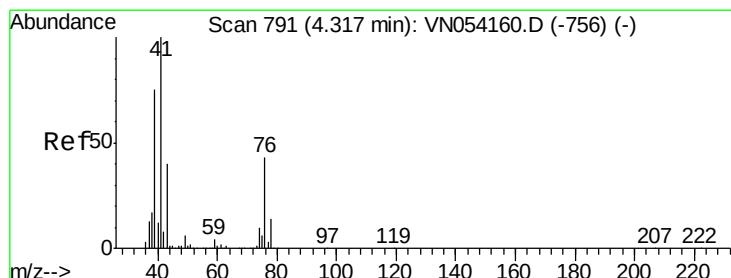
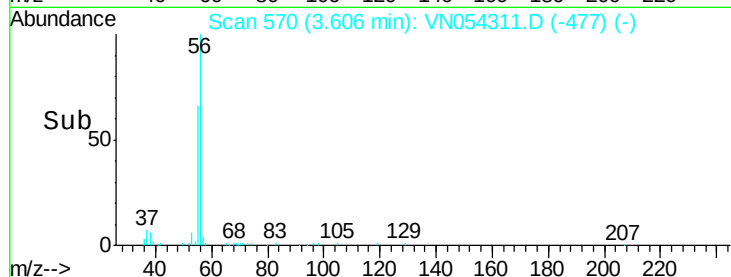
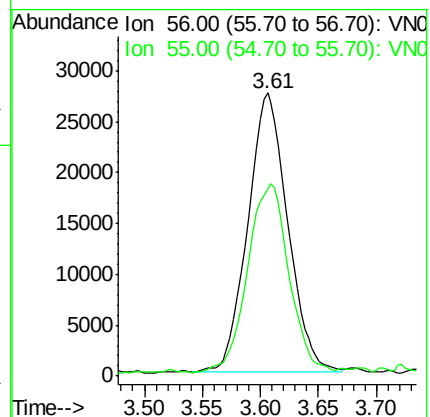
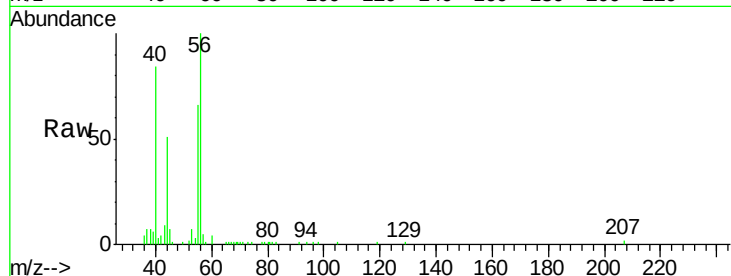
VN0315WBS01

Tot Ion: 56 Resp: 65892

Ion Ratio Lower Upper

56 100

55 69.6 56.7 85.1



#14

Allyl chloride

Concen: 18.001 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

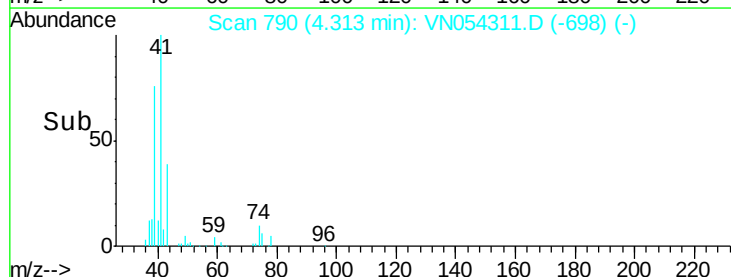
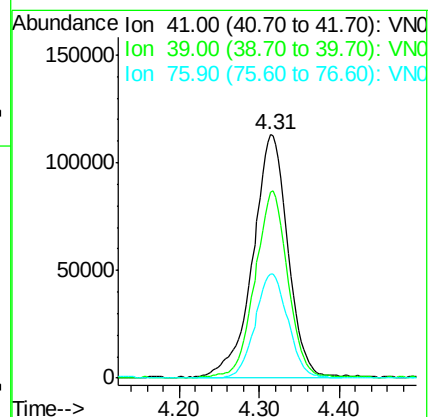
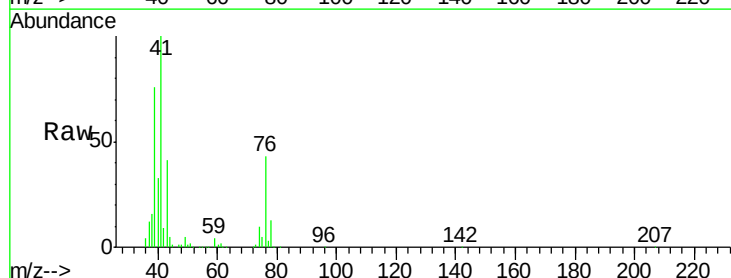
Tgt Ion: 41 Resp: 336702

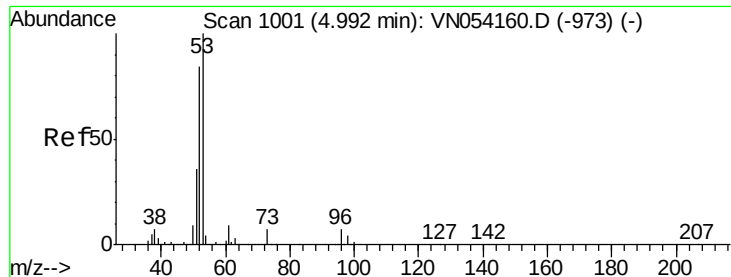
Ion Ratio Lower Upper

41 100

39 71.5 58.2 87.4

76 40.3 31.7 47.5





#15

Acrylonitrile

Concen: 106.972 ug/l

RT: 4.99 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

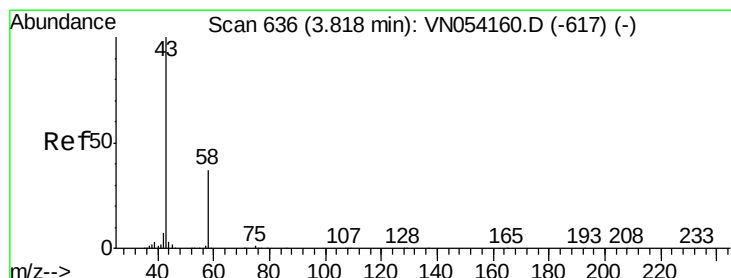
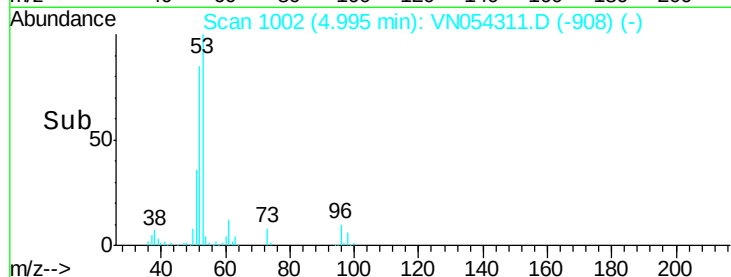
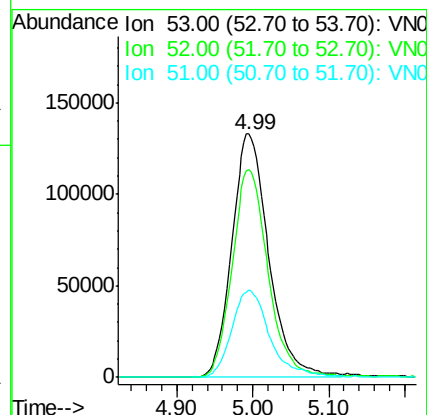
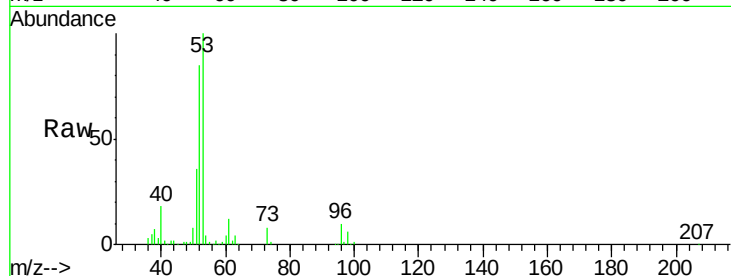
Tot Ion: 53 Resp: 448923

Ion Ratio Lower Upper

53 100

52 83.2 66.4 99.6

51 37.0 29.6 44.4



#16

Acetone

Concen: 82.581 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054311.D

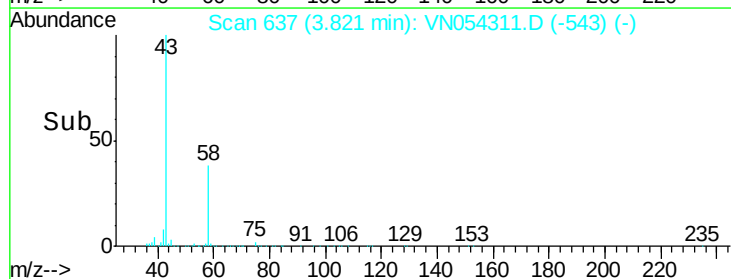
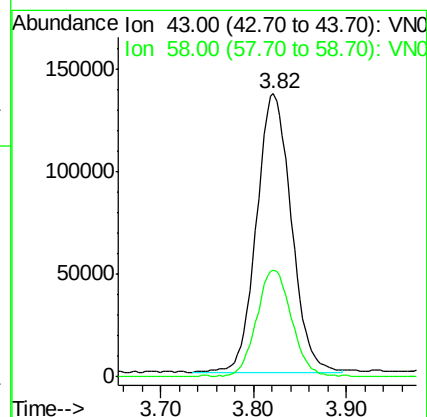
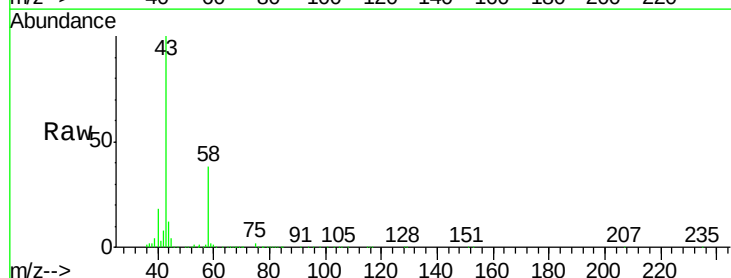
Acq: 15 Mar 2019 15:58

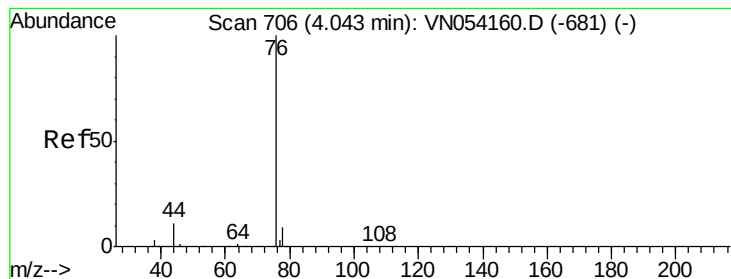
Tgt Ion: 43 Resp: 352374

Ion Ratio Lower Upper

43 100

58 38.3 29.9 44.9





#17

Carbon Disulfide

Concen: 16.316 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

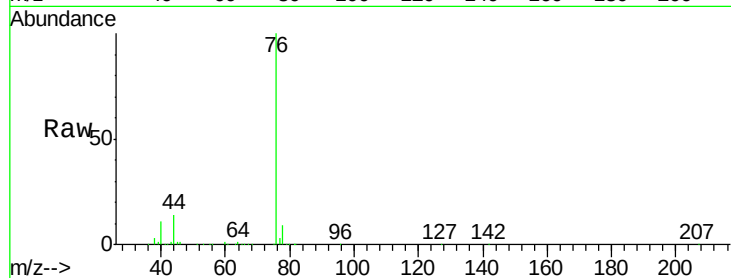
VN0315WBS01

Tot Ion: 76 Resp: 596296

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

250000

200000

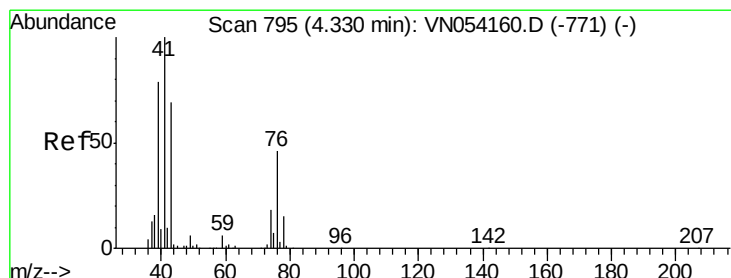
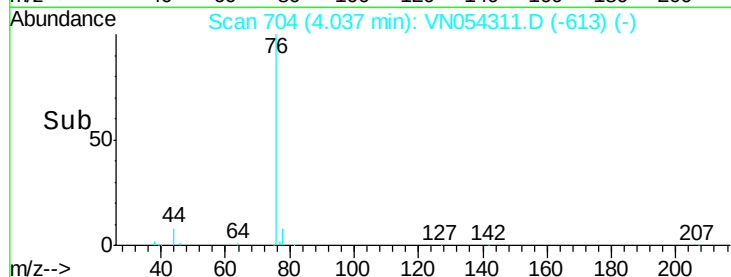
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 23.872 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054311.D

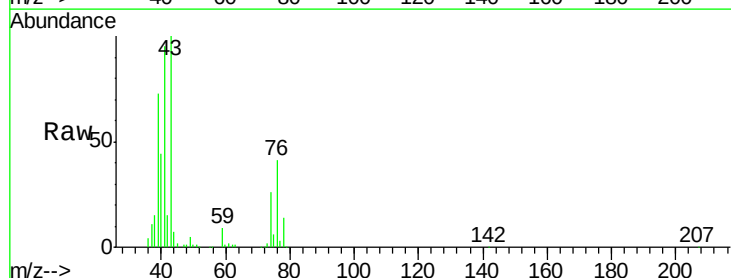
Acq: 15 Mar 2019 15:58

Tgt Ion: 43 Resp: 206085

Ion Ratio Lower Upper

43 100

74 26.2 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

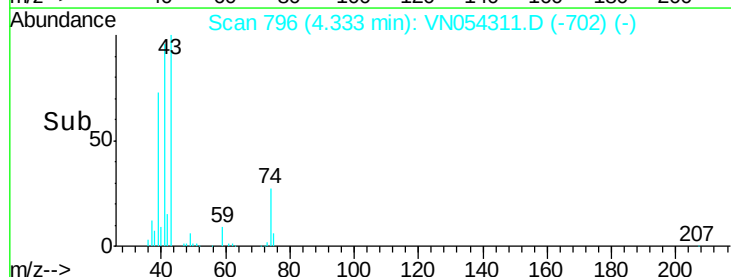
60000

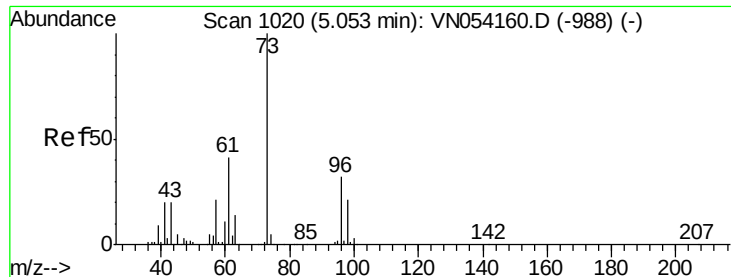
40000

20000

0

Time--> 4.20 4.30 4.40

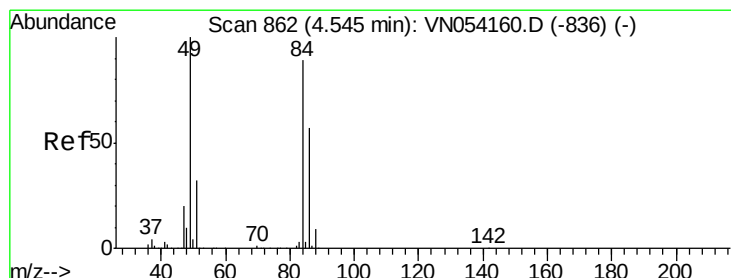
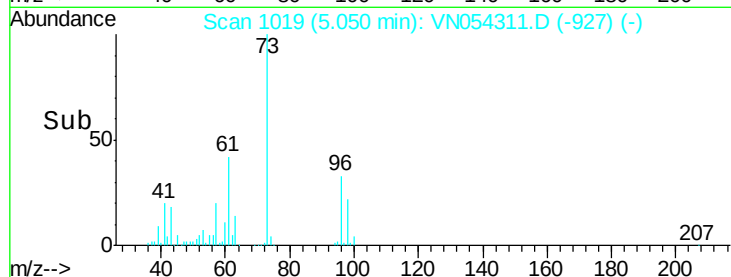
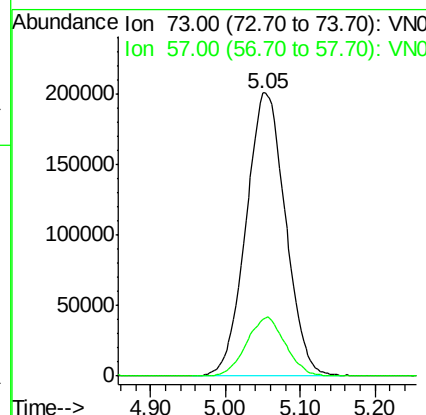
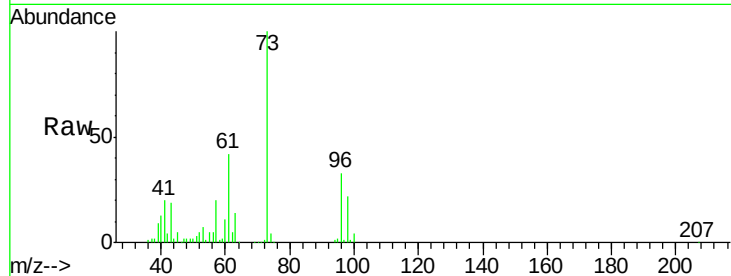




#19
Methvl tert-butyl Ether
Concen: 20.424 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

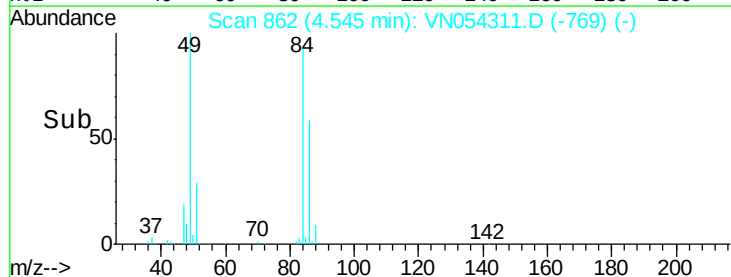
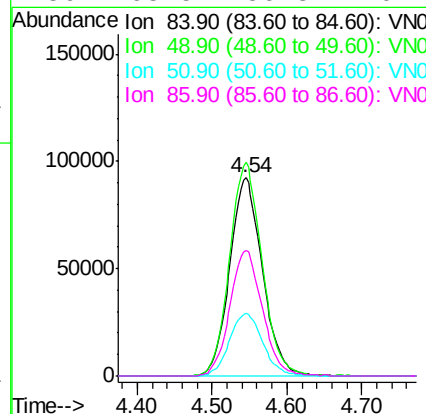
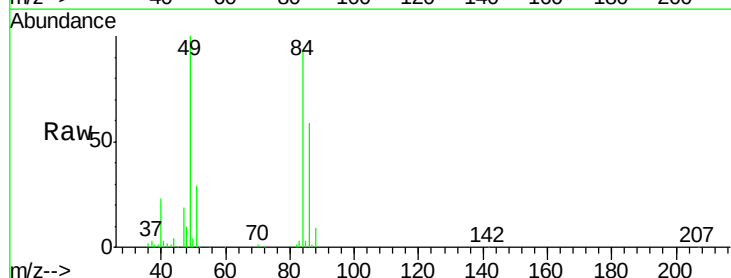
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

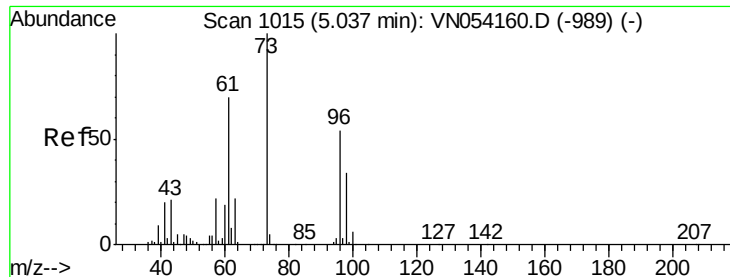
Tot Ion: 73 Resp: 738044
Ion Ratio Lower Upper
73 100
57 20.1 16.8 25.2



#20
Methylene Chloride
Concen: 20.009 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion: 84 Resp: 280345
Ion Ratio Lower Upper
84 100
49 107.6 89.7 134.5
51 31.6 28.2 42.4
86 63.5 50.8 76.2

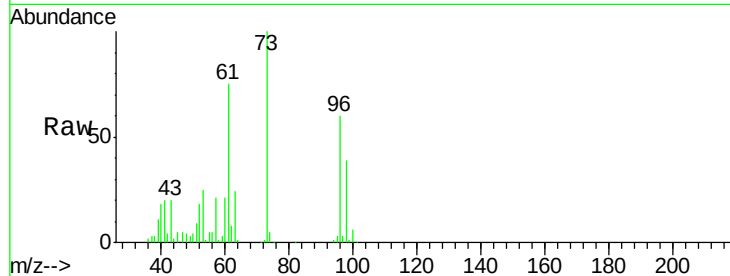




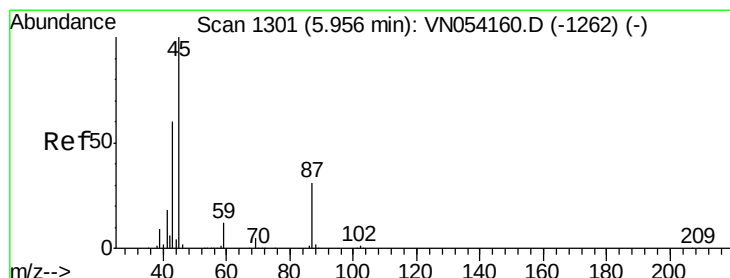
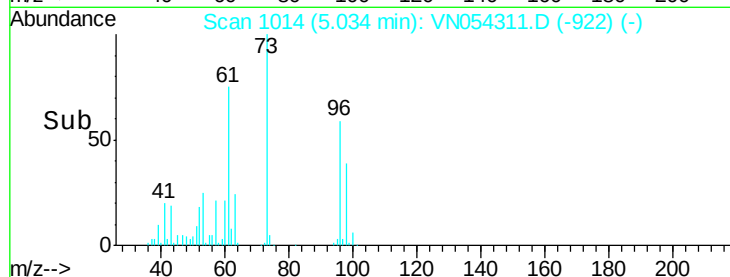
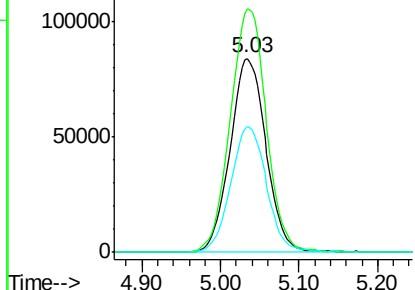
#21
trans-1,2-Dichloroethene
Concen: 19.187 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampled :
VN0315WBS01

Tot Ion: 96 Resp: 268011
Ion Ratio Lower Upper
96 100
61 125.5 102.8 154.2
98 64.8 50.0 75.0

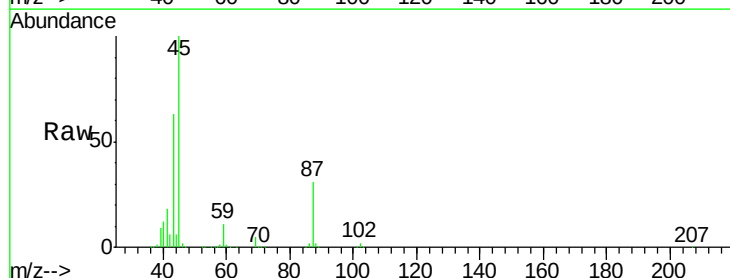


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

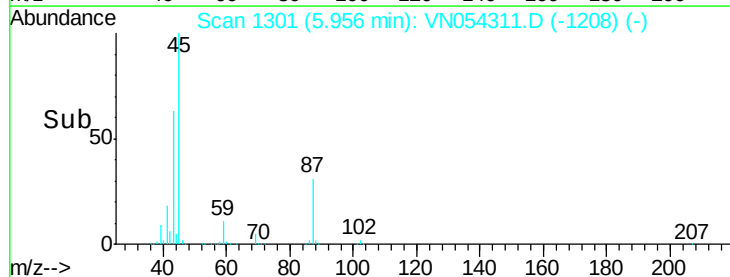
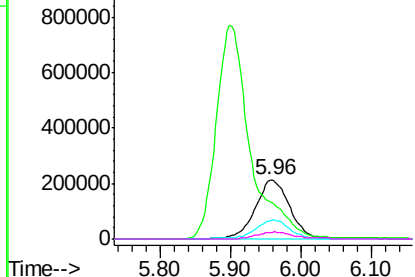


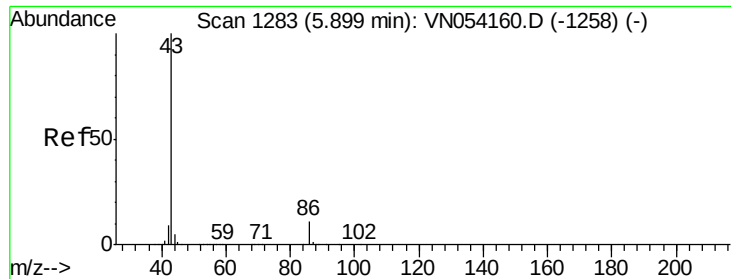
#22
Diisopropyl ether
Concen: 19.417 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion: 45 Resp: 724862
Ion Ratio Lower Upper
45 100
43 61.5 48.2 72.2
87 30.4 24.9 37.3
59 10.8 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: 94.431 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

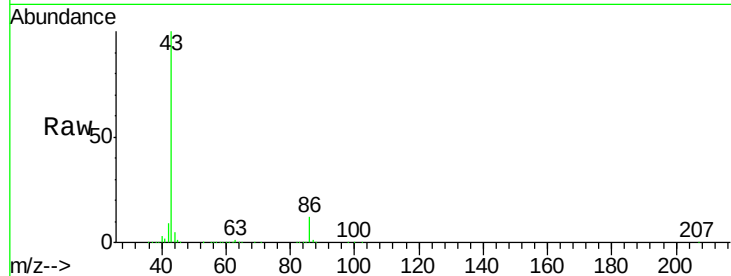
VN0315WBS01

Tot Ion: 43 Resp: 2599155

Ion Ratio Lower Upper

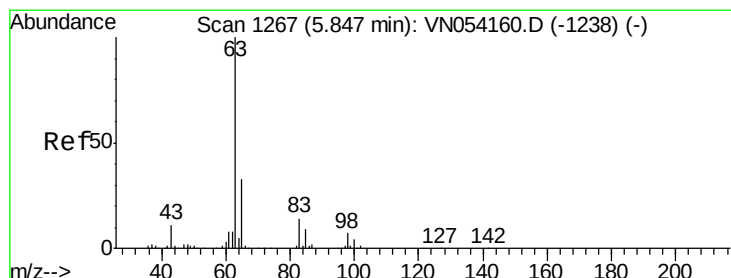
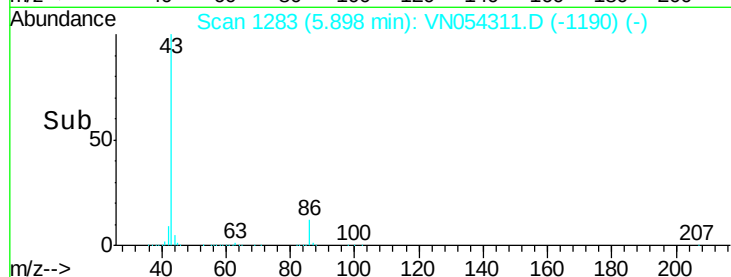
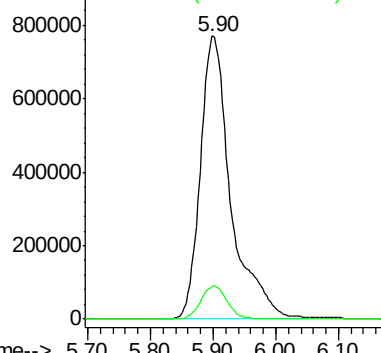
43 100

86 11.7 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.461 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

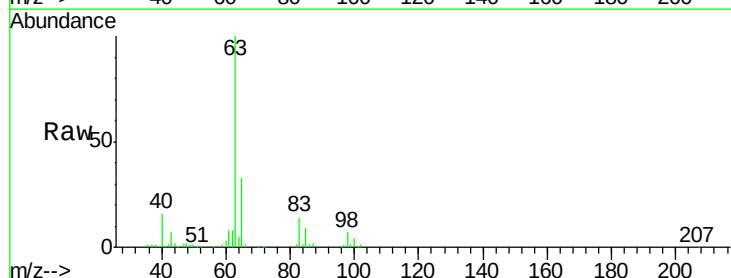
Tgt Ion: 63 Resp: 466472

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

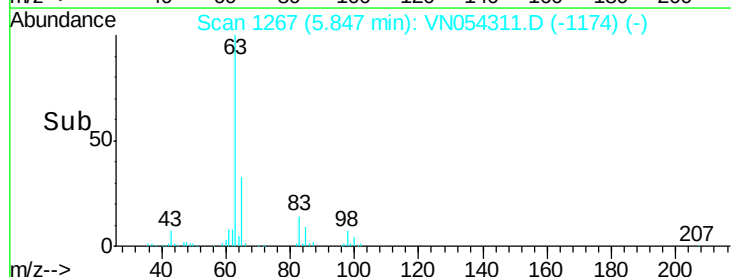
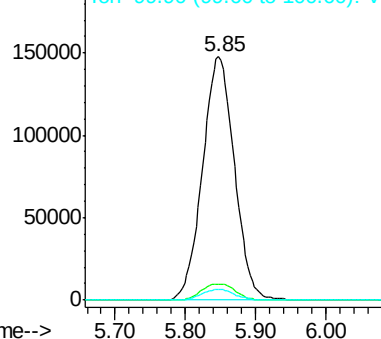
100 4.3 2.0 6.0

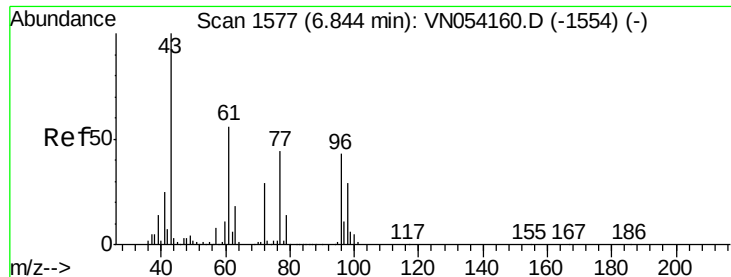


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 104.403 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

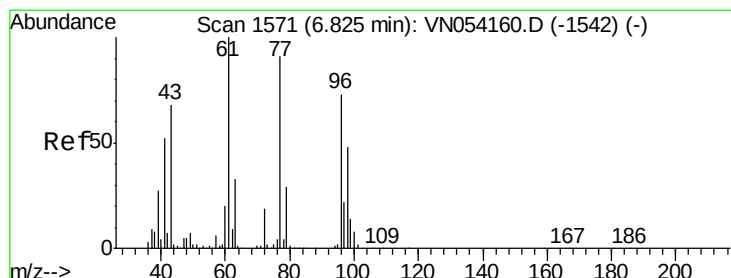
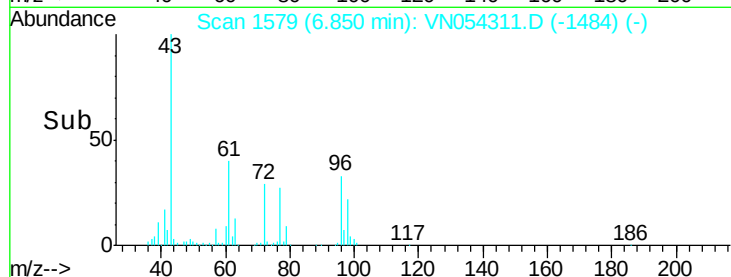
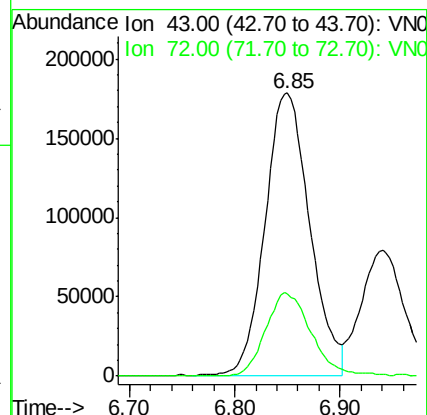
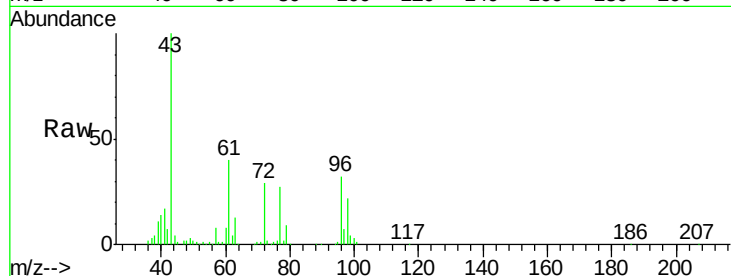
VN0315WBS01

Tot Ion: 43 Resp: 522867

Ion Ratio Lower Upper

43 100

72 29.1 23.0 34.6



#26

2,2-Dichloropropane

Concen: 15.639 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054311.D

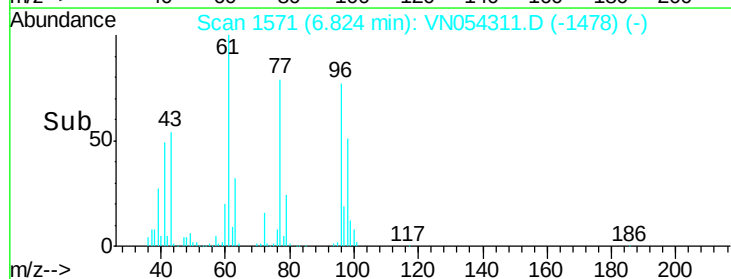
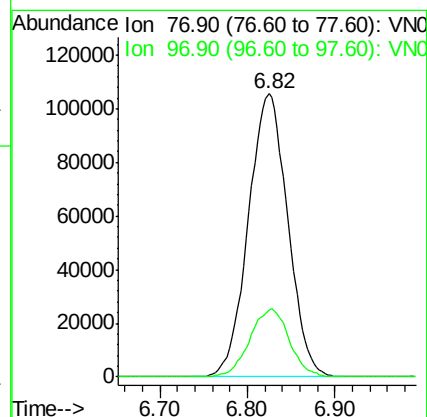
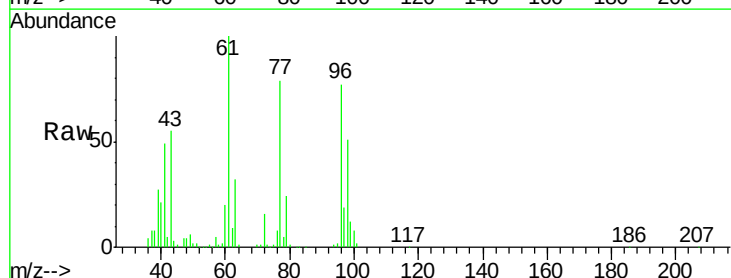
Acq: 15 Mar 2019 15:58

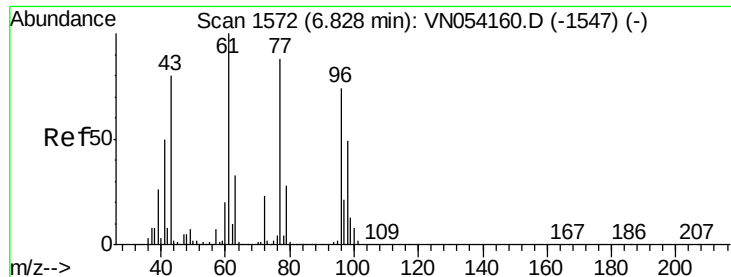
Tgt Ion: 77 Resp: 329663

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.931 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

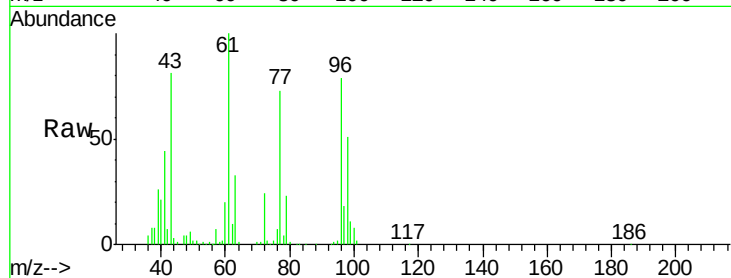
Tot Ion: 96 Resp: 310578

Ion Ratio Lower Upper

96 100

61 128.9 0.0 273.0

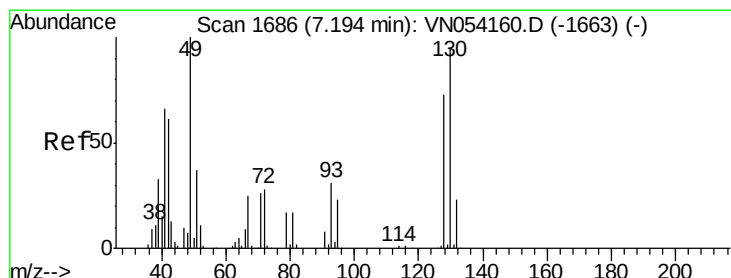
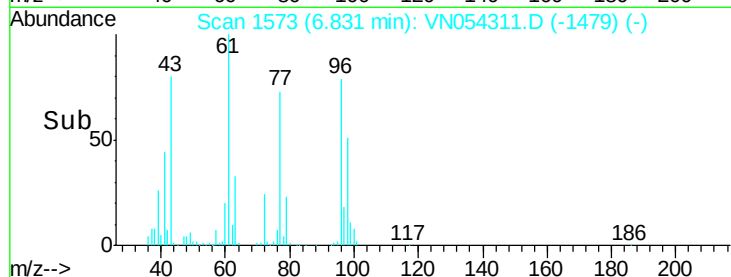
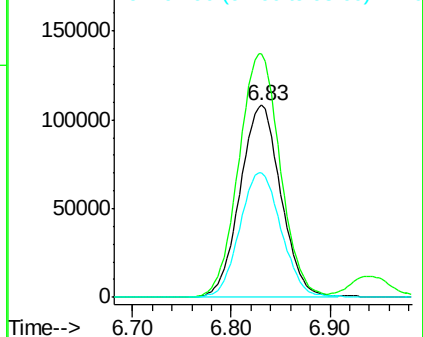
98 65.9 0.0 130.6



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: 20.072 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

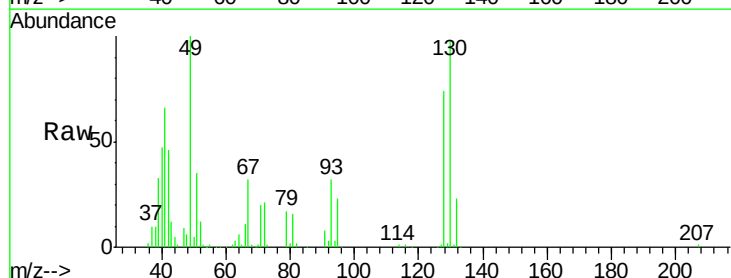
Tgt Ion: 49 Resp: 196687

Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.6

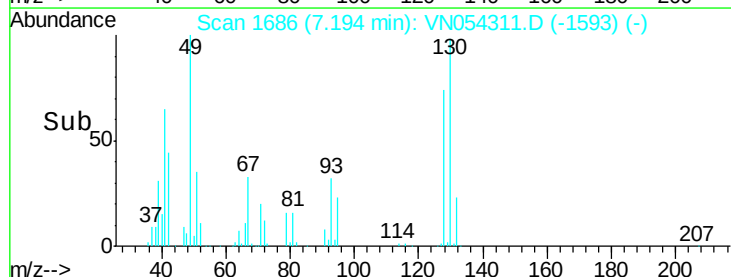
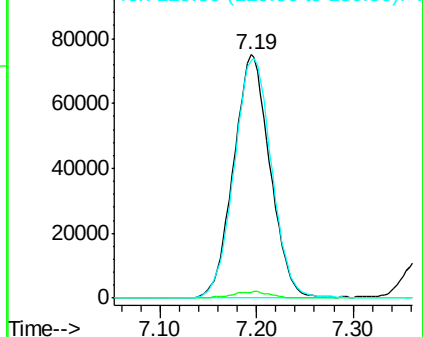
130 101.3 76.7 115.1

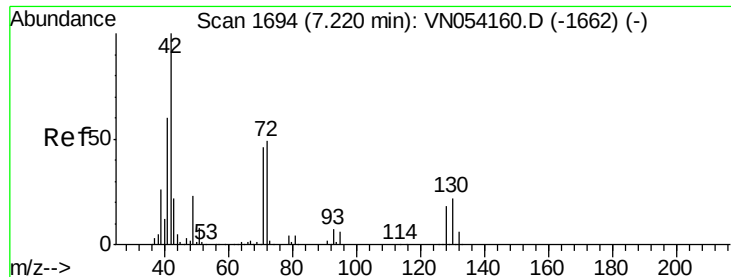


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

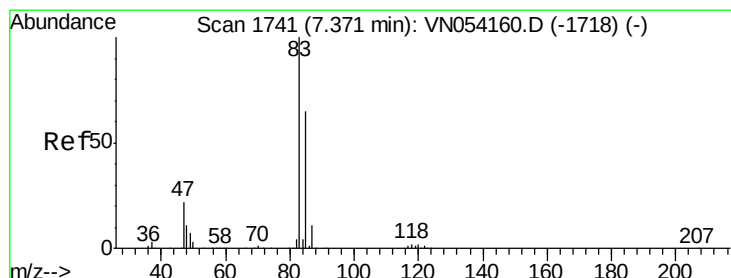
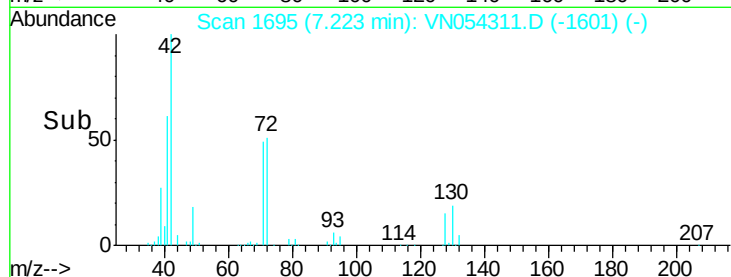
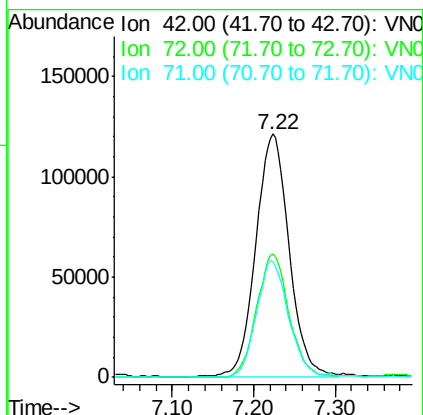
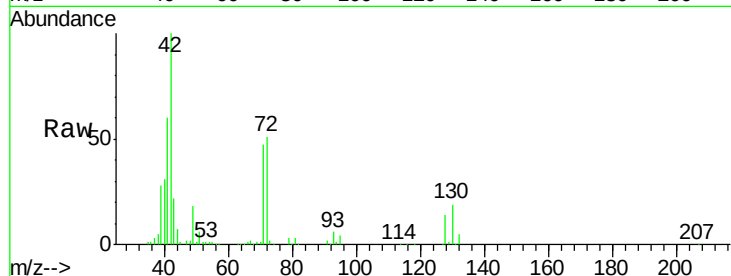




#29
Tetrahydrofuran
Concen: 106.571 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

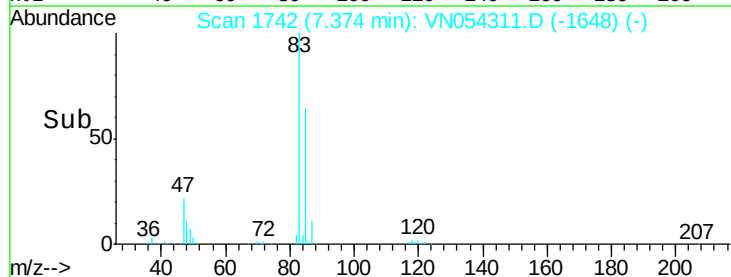
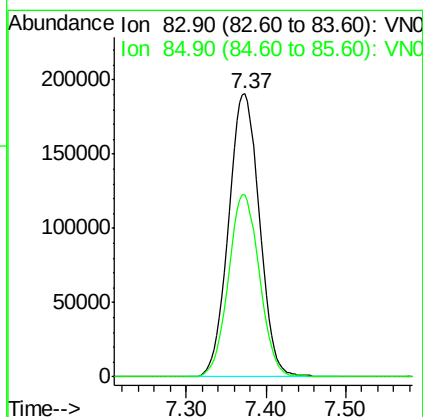
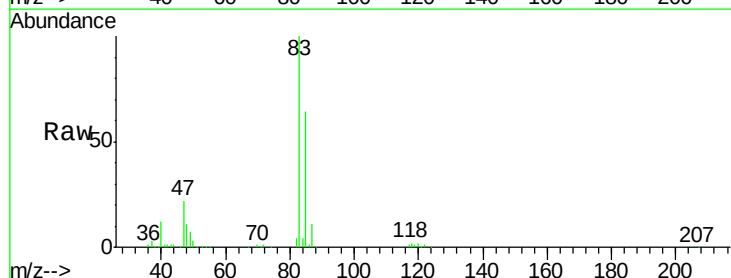
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

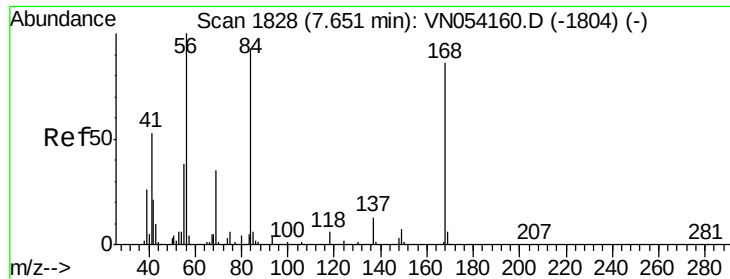
Tot Ion: 42 Resp: 343166
Ion Ratio Lower Upper
42 100
72 49.8 37.8 56.6
71 46.2 36.2 54.2



#30
Chloroform
Concen: 19.986 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion: 83 Resp: 499886
Ion Ratio Lower Upper
83 100
85 64.2 52.2 78.4

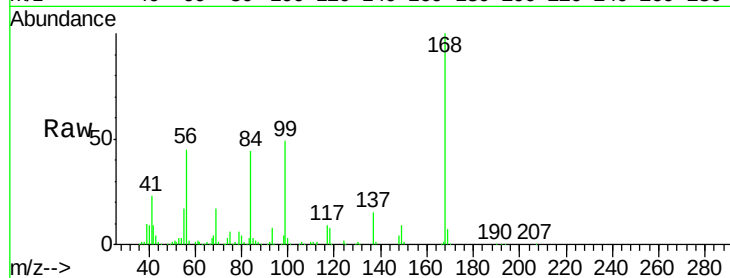




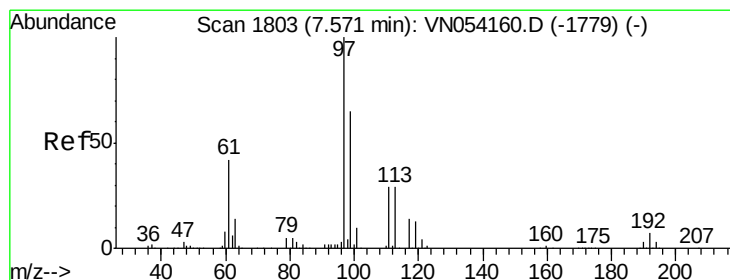
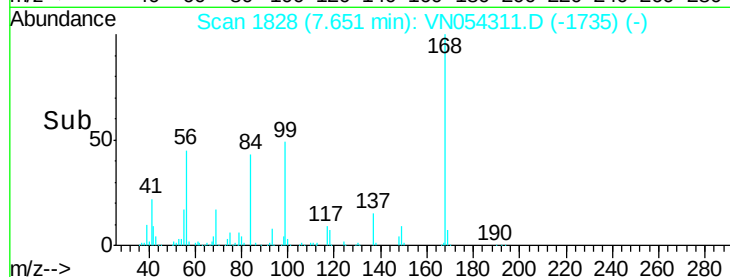
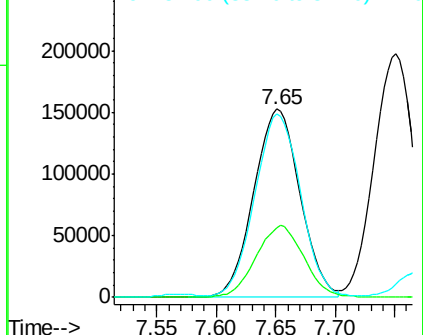
#31
Cyclohexane
Concen: 17.532 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampled :
VN0315WBS01

Tot Ion: 56 Resp: 410741
Ion Ratio Lower Upper
56 100
69 36.9 27.8 41.6
84 96.0 74.6 111.8

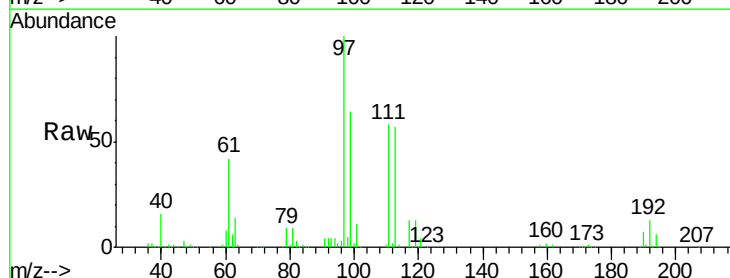


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

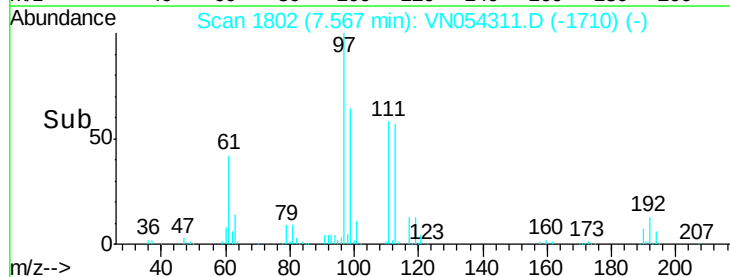
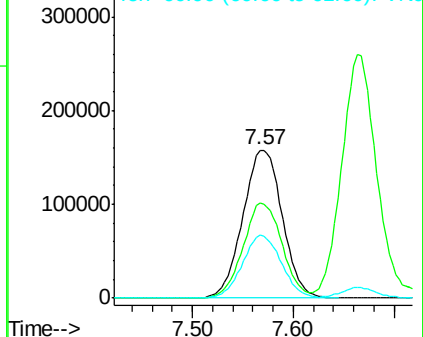


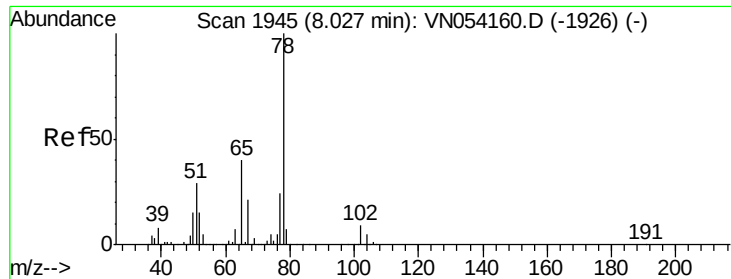
#32
1,1,1-Trichloroethane
Concen: 18.936 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion: 97 Resp: 427760
Ion Ratio Lower Upper
97 100
99 63.3 51.5 77.3
61 41.9 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

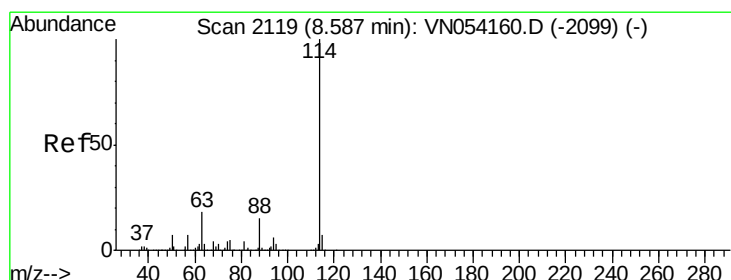
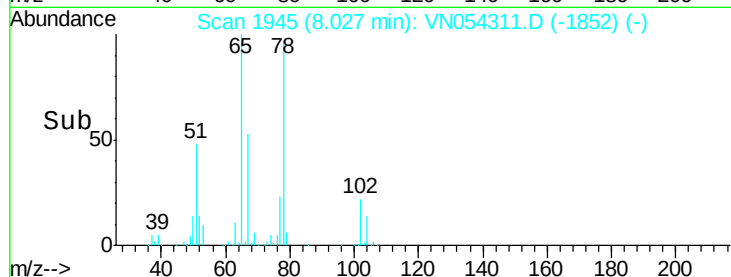
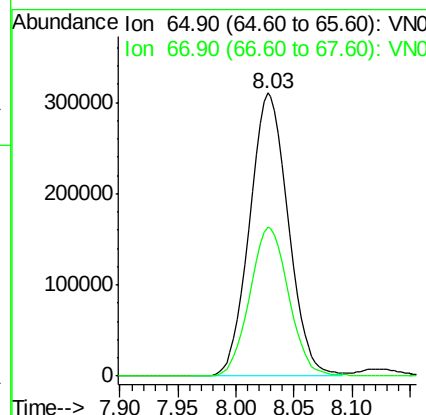
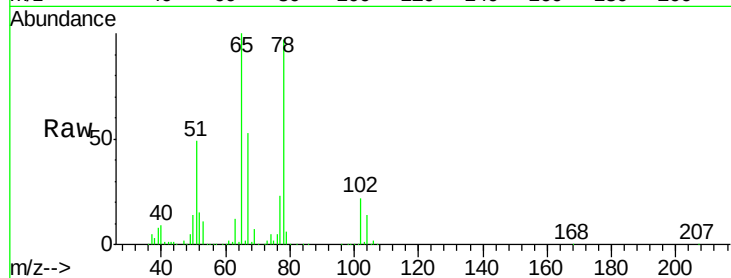




#33
 1,2-Dichloroethane-d4
 Concen: 48.411 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

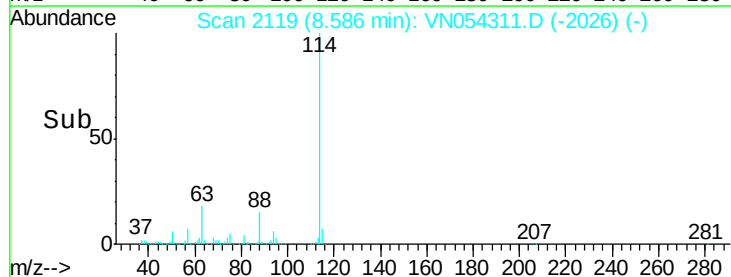
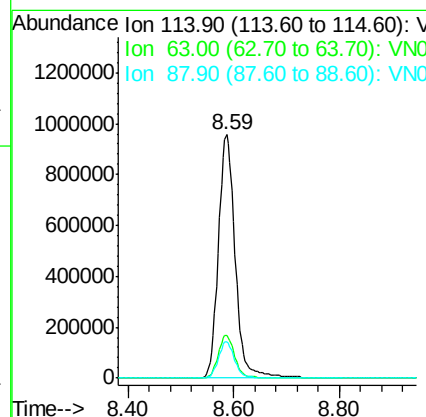
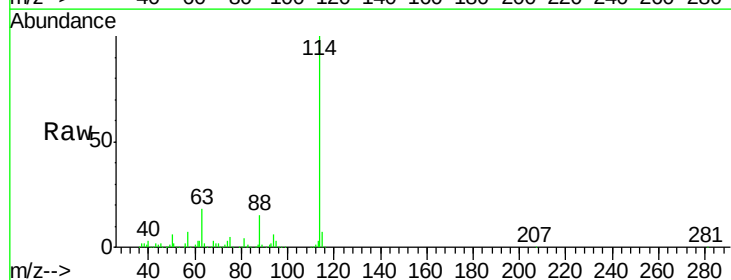
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

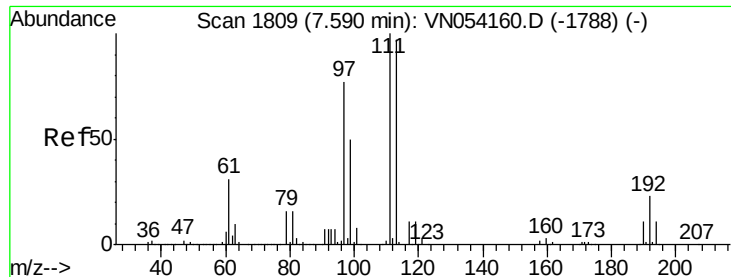
Tot Ion: 65 Resp: 721463
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion: 114 Resp: 2111427
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.2
 88 15.0 0.0 30.2

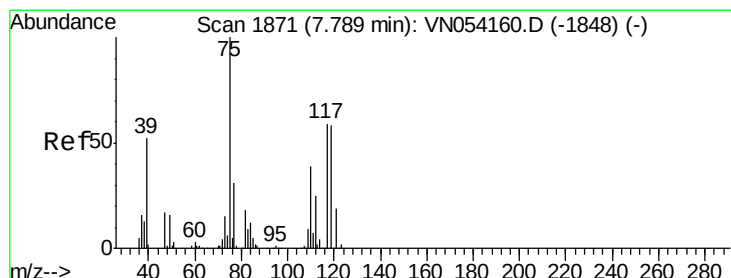
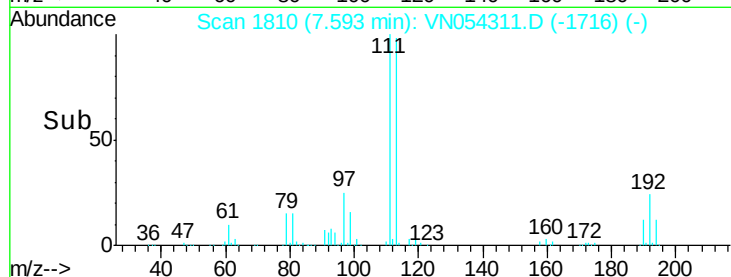
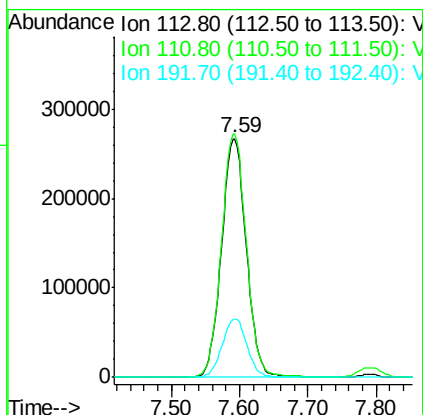
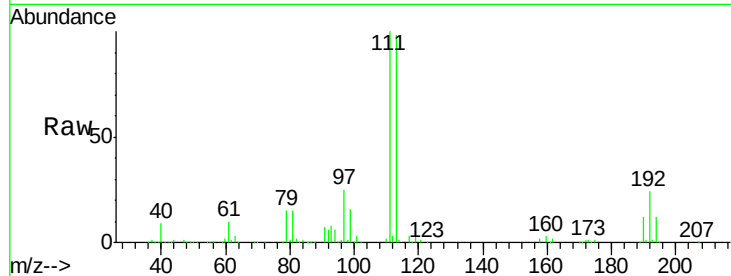




#35
 Dibromofluoromethane
 Concen: 49.571 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

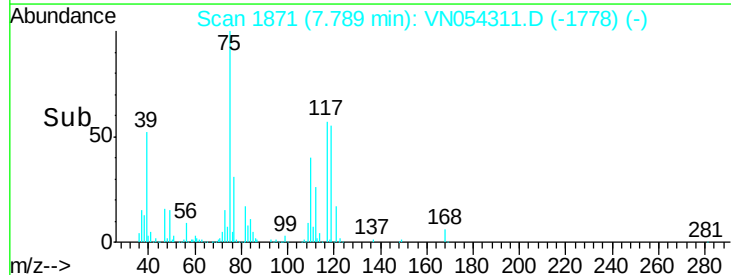
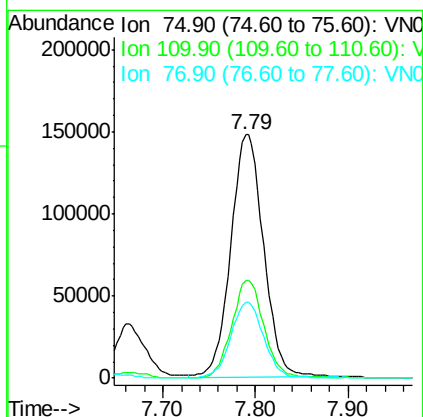
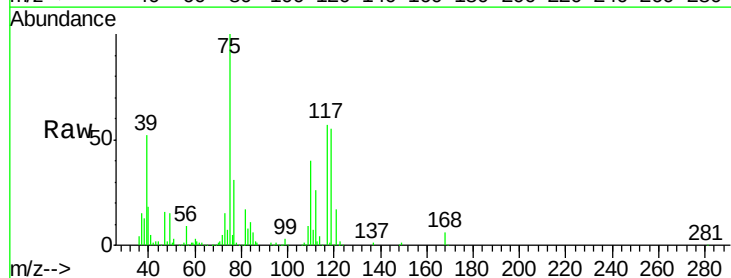
Instrument :
 MSVOA_N
 ClientSampled :
 VN0315WBS01

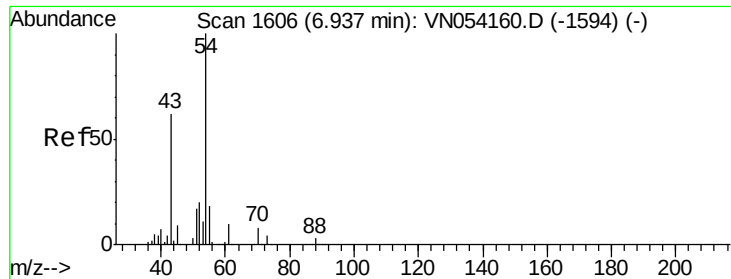
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	24.4	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 18.530 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.9	19.1	57.5
77	31.8	25.0	37.4

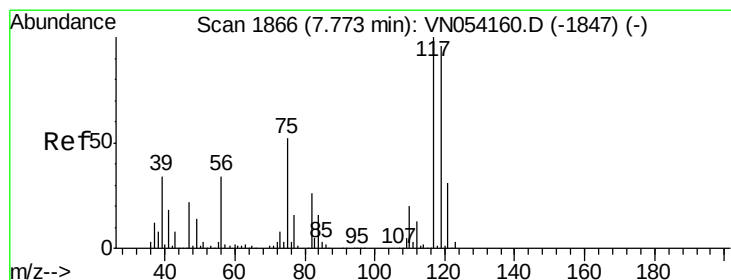
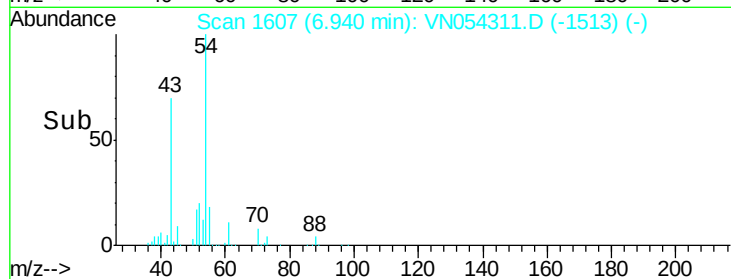
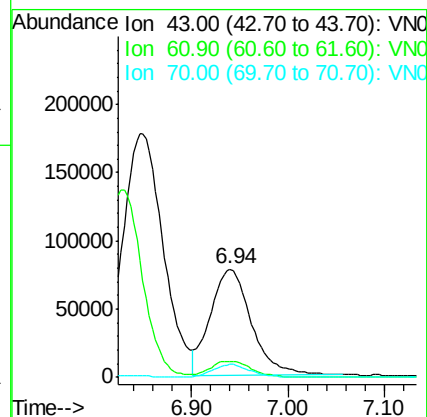
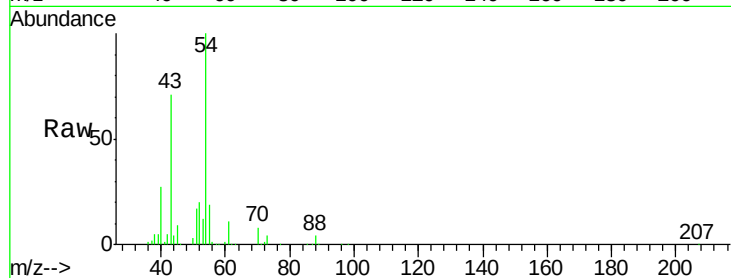




#37
Ethyl Acetate
Concen: 20.628 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

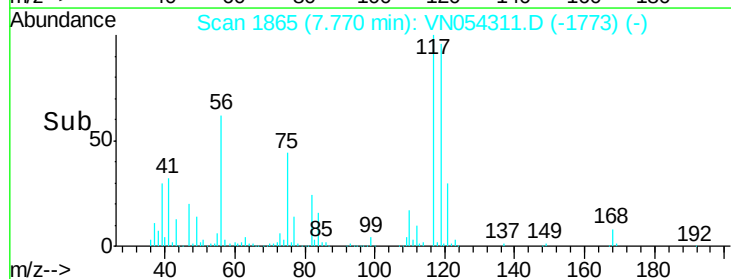
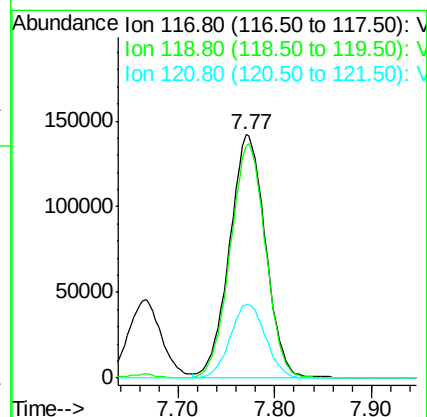
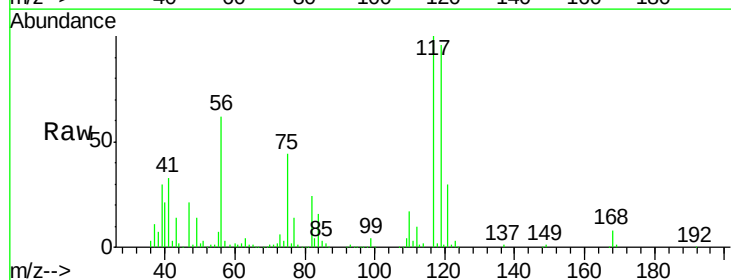
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

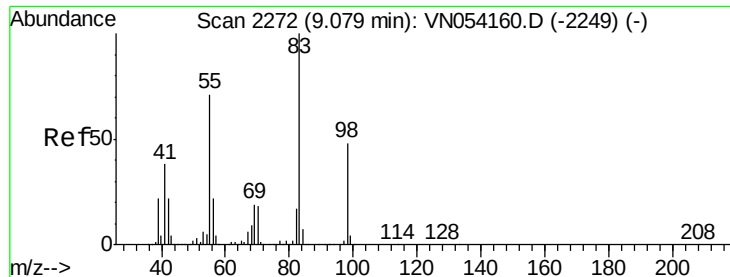
Tot Ion: 43 Resp: 230462
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 10.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 17.916 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion: 117 Resp: 365317
Ion Ratio Lower Upper
117 100
119 95.8 76.3 114.5
121 30.5 24.6 36.8

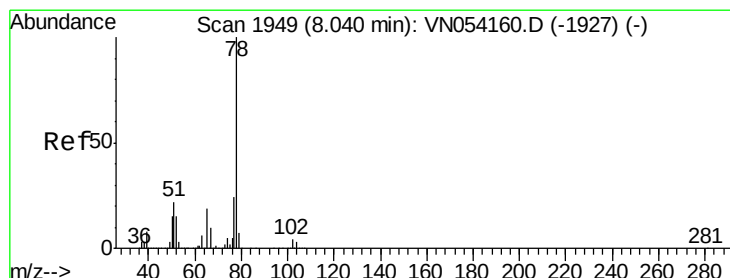
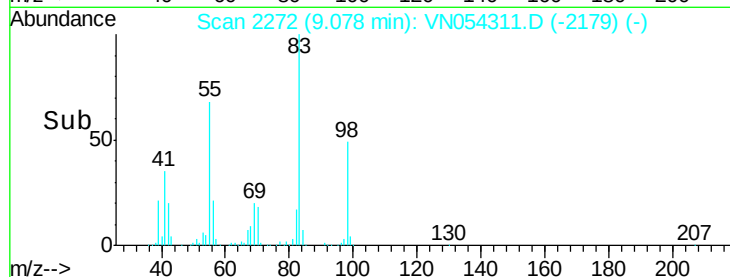
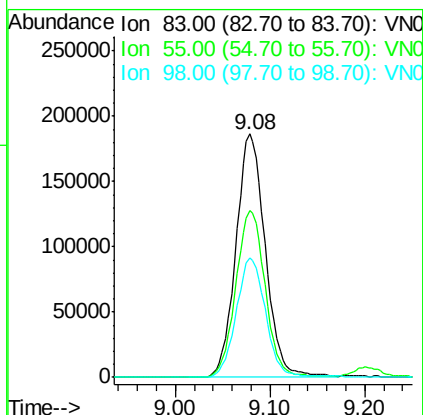
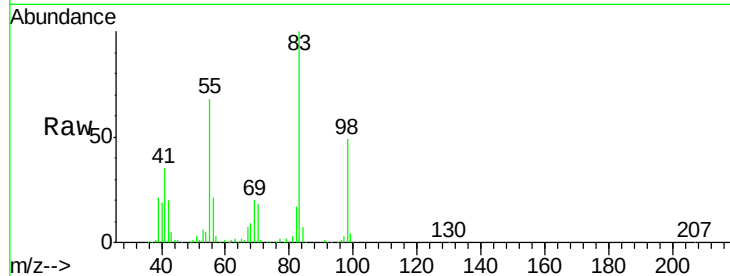




#39
Methylvlcyclohexane
Concen: 16.816 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

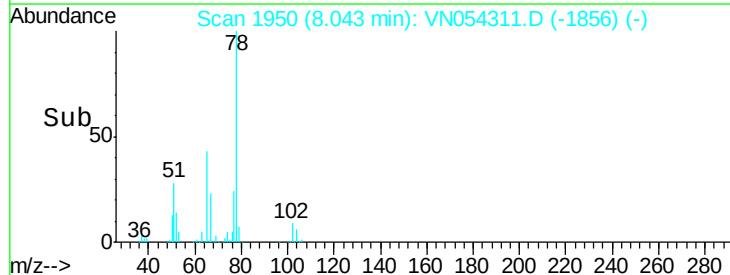
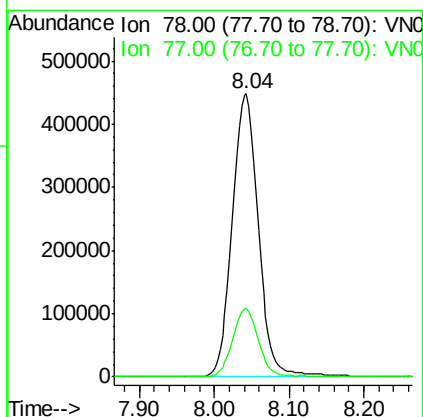
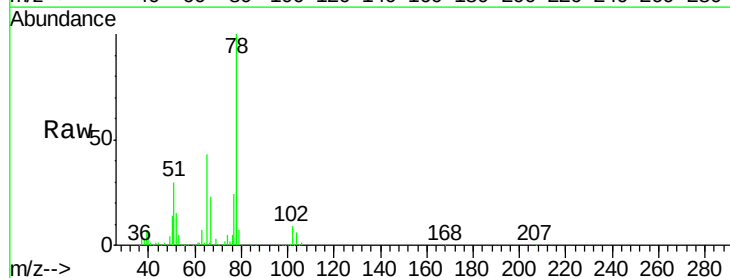
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

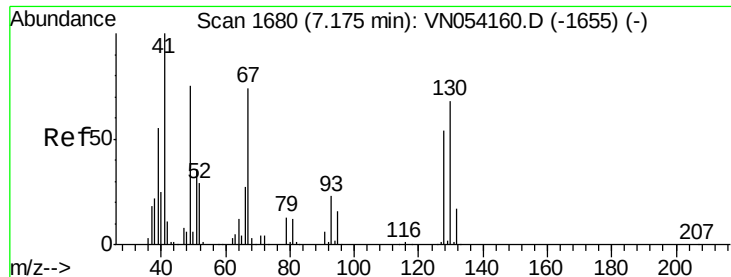
Tot Ion: 83 Resp: 402304
Ion Ratio Lower Upper
83 100
55 68.3 56.6 84.8
98 48.8 38.4 57.6



#40
Benzene
Concen: 19.565 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion: 78 Resp: 1088641
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7

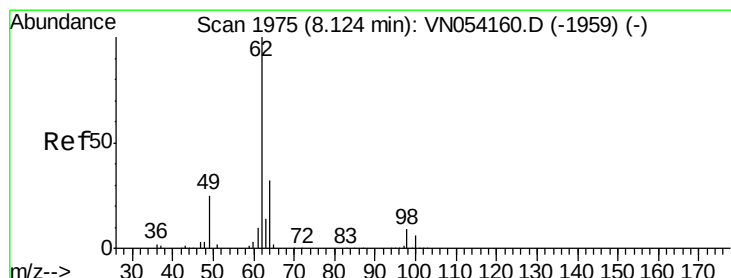
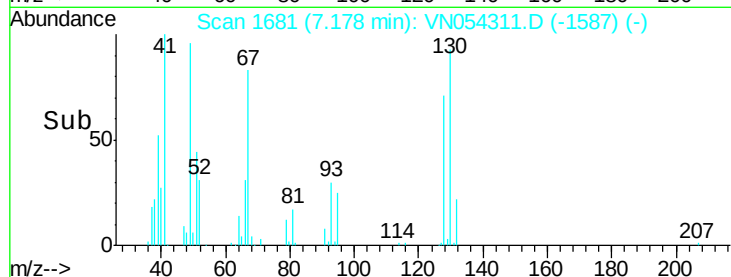
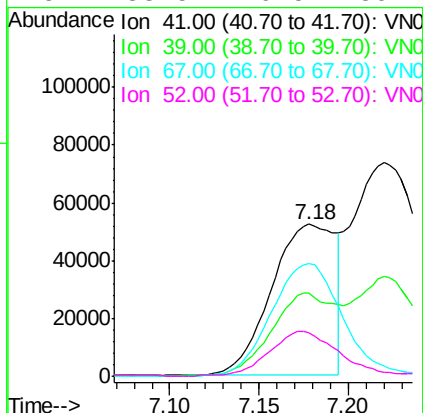
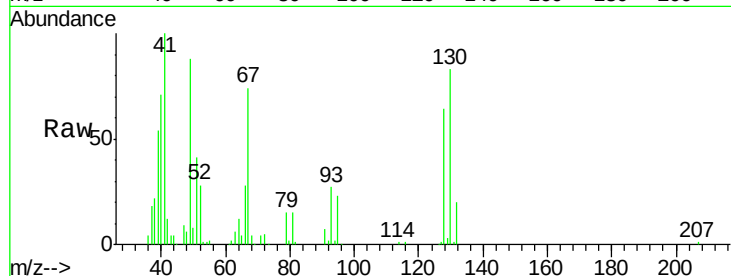




#41
Methacrylonitrile
Concen: 20.468 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

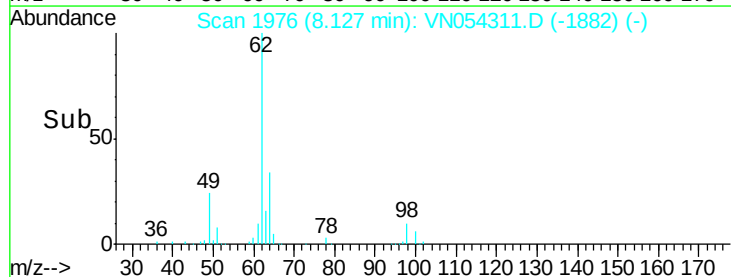
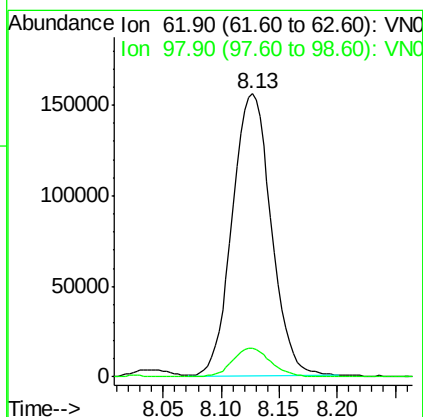
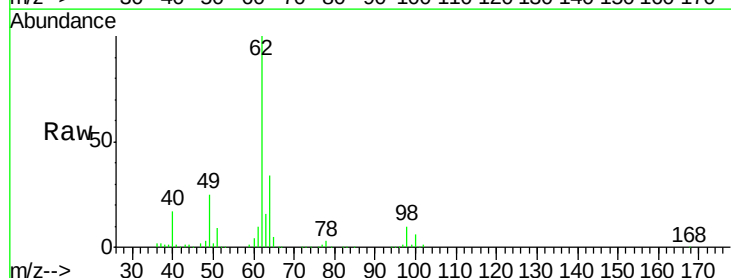
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

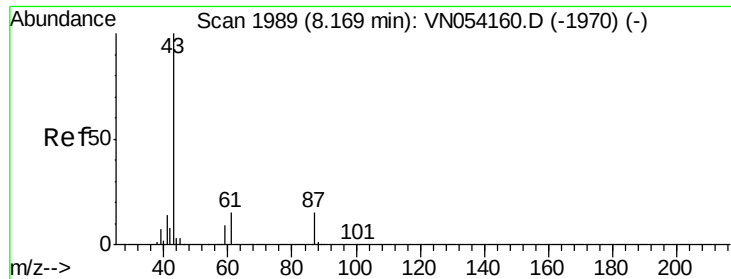
Tot Ion:	41	Resp:	130572
Ion	Ratio	Lower	Upper
41	100		
39	55.7	46.8	70.2
67	84.0	67.0	100.4
52	33.5	26.5	39.7



#42
1,2-Dichloroethane
Concen: 19.371 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion:	62	Resp:	363890
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 19.109 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

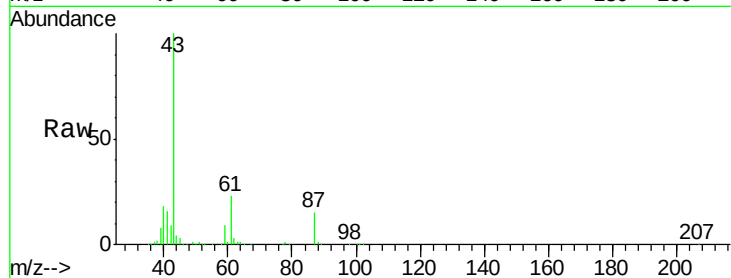
Tot Ion: 43 Resp: 374746

Ion Ratio Lower Upper

43 100

61 20.9 15.8 23.8

87 15.6 12.0 18.0

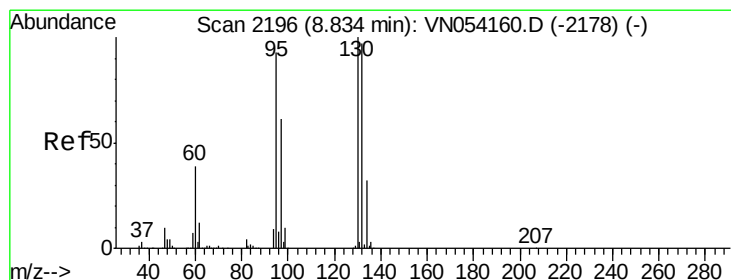
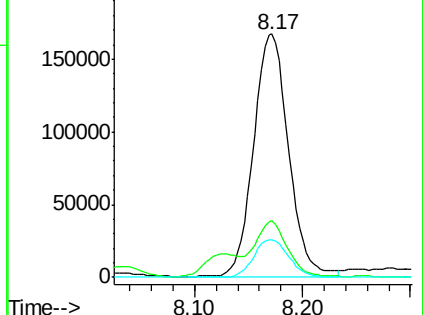
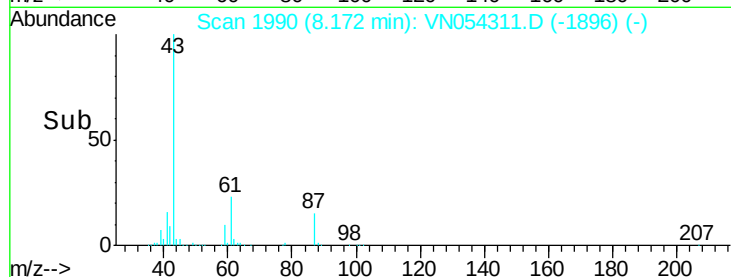


Abundance Ion 43.00 (42.70 to 43.70): VN054311.D (-1990) (-)

Ion 61.00 (60.70 to 61.70): VN054311.D (-1990) (-)

Ion 87.00 (86.70 to 87.70): VN054311.D (-1990) (-)

Time-->



#44

Trichloroethene

Concen: 19.644 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054311.D

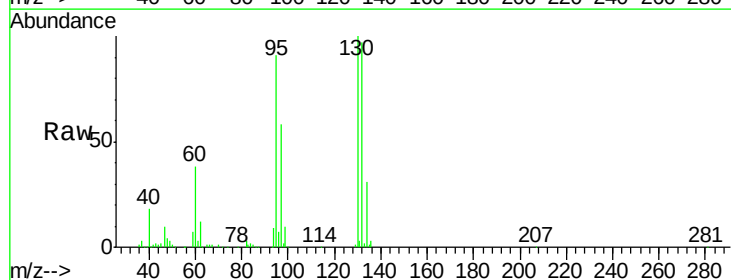
Acq: 15 Mar 2019 15:58

Tgt Ion:130 Resp: 339546

Ion Ratio Lower Upper

130 100

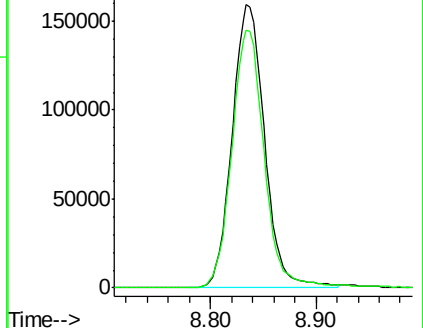
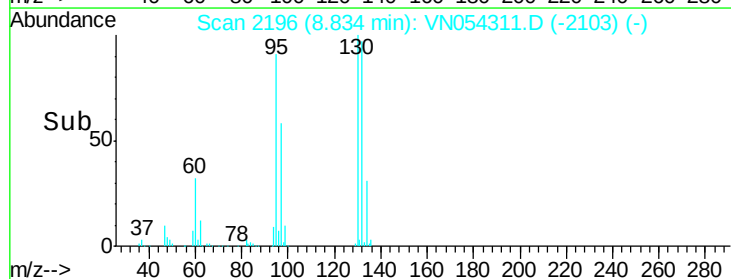
95 91.2 0.0 185.2

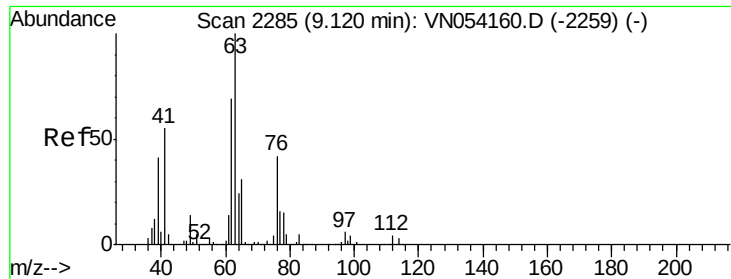


Abundance Ion 129.80 (129.50 to 130.50): VN054311.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN054311.D (-2196) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 20.153 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

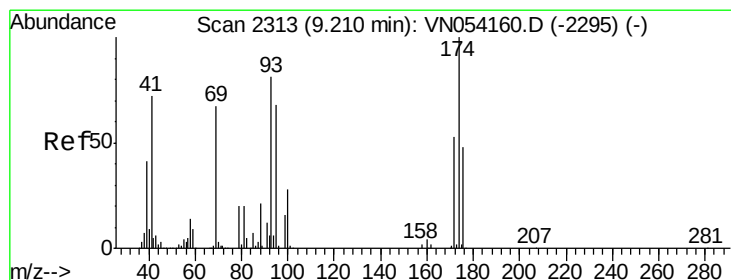
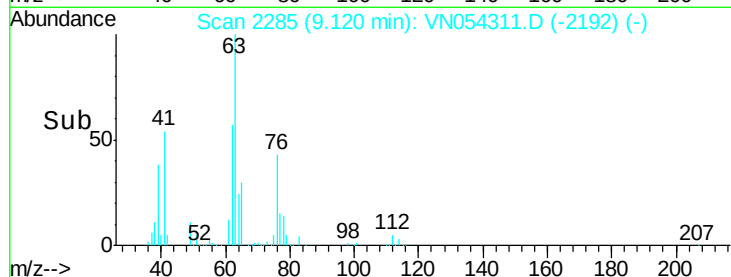
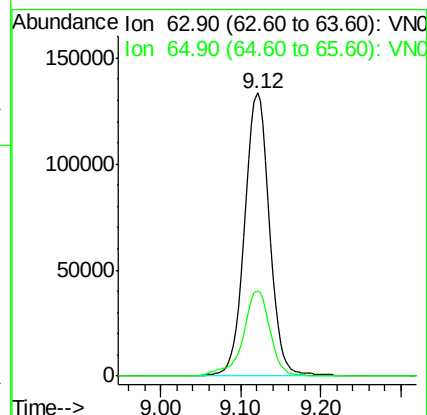
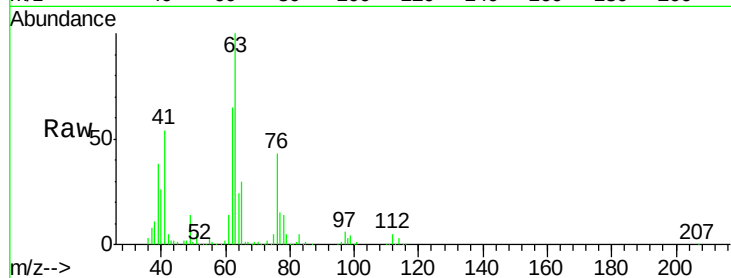
VN0315WBS01

Tot Ion: 63 Resp: 278448

Ion Ratio Lower Upper

63 100

65 30.2 25.0 37.6



#46

Dibromomethane

Concen: 20.015 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

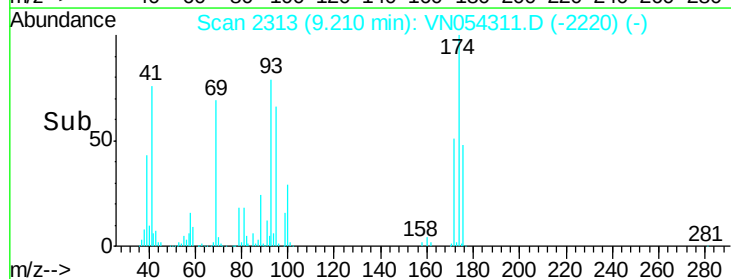
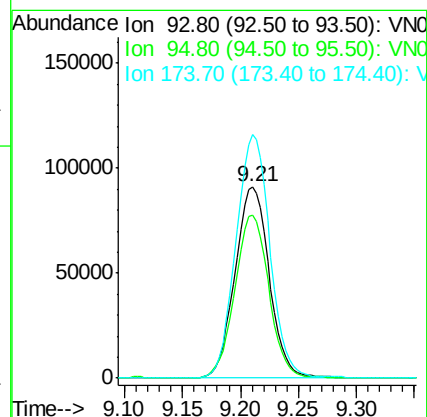
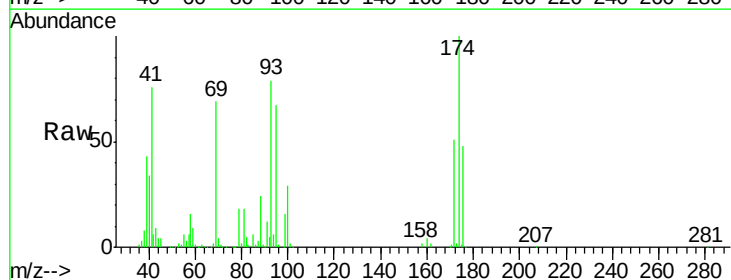
Tgt Ion: 93 Resp: 186842

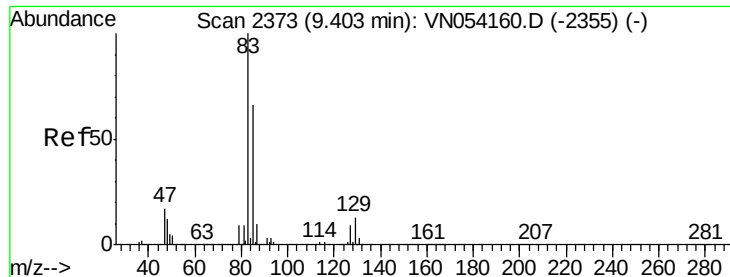
Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

174 126.0 98.5 147.7





#47

Bromodichloromethane

Concen: 18.929 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

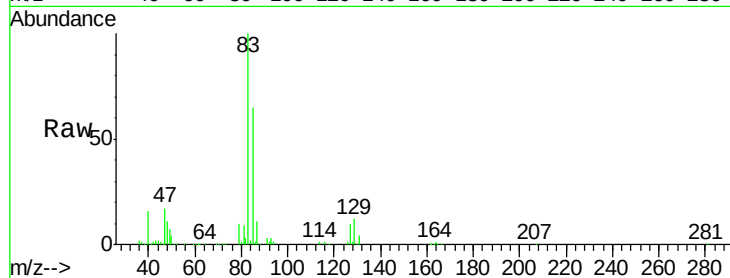
Tot Ion: 83 Resp: 354243

Ion Ratio Lower Upper

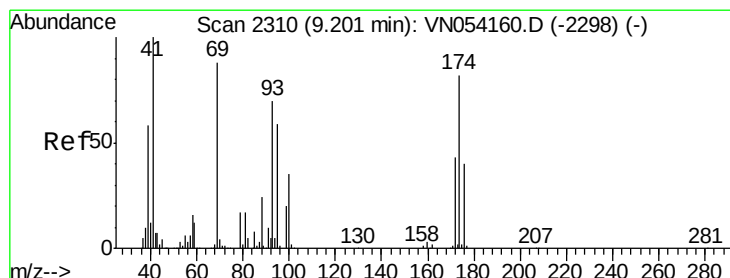
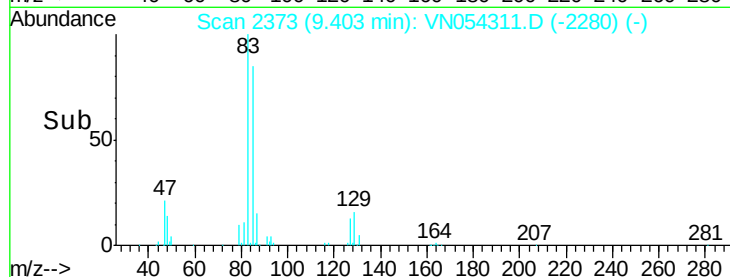
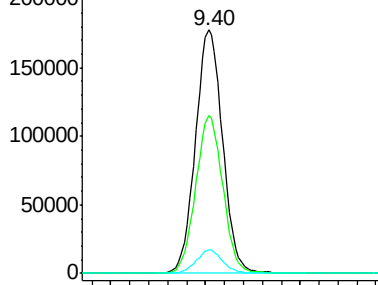
83 100

85 65.1 52.8 79.2

127 9.5 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.493 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

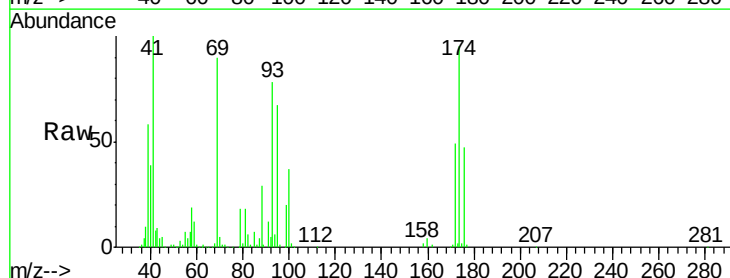
Tgt Ion: 41 Resp: 203947

Ion Ratio Lower Upper

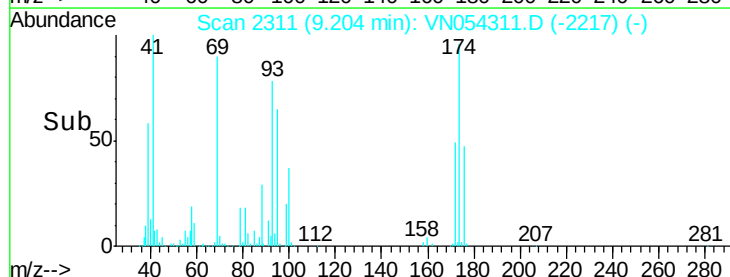
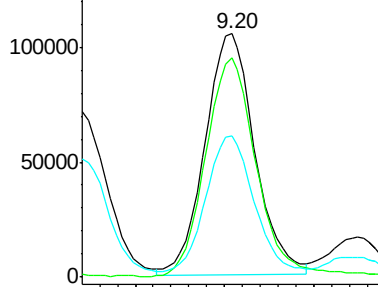
41 100

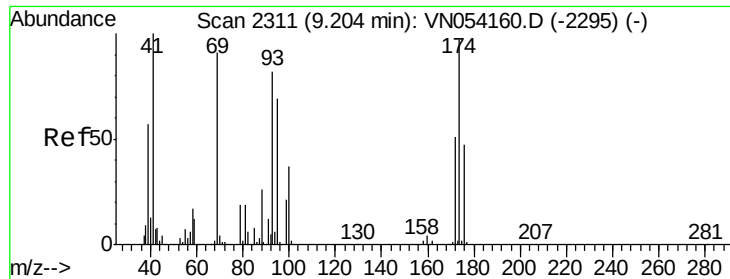
69 92.8 72.6 108.8

39 57.1 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 457.603 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

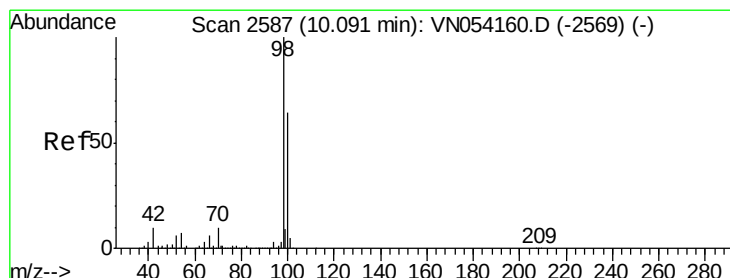
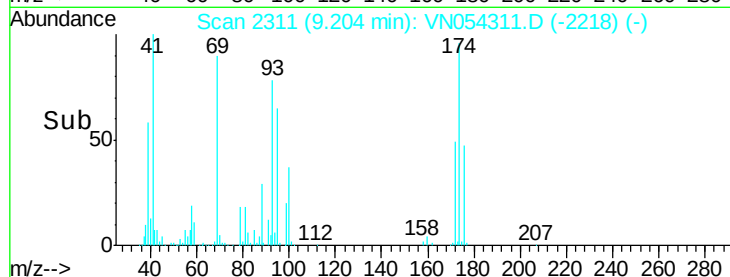
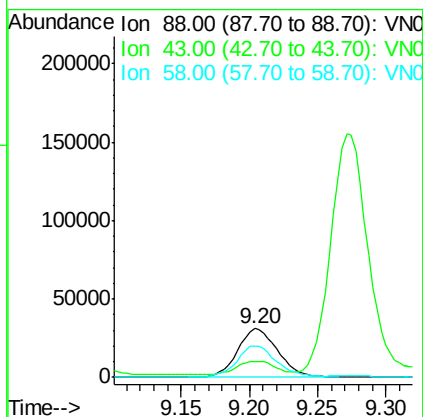
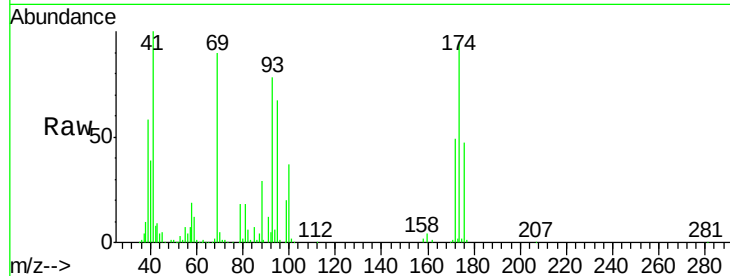
Tot Ion: 88 Resp: 64418

Ion Ratio Lower Upper

88 100

43 26.9 24.1 36.1

58 63.3 50.8 76.2



#50

Toluene-d8

Concen: 48.084 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054311.D

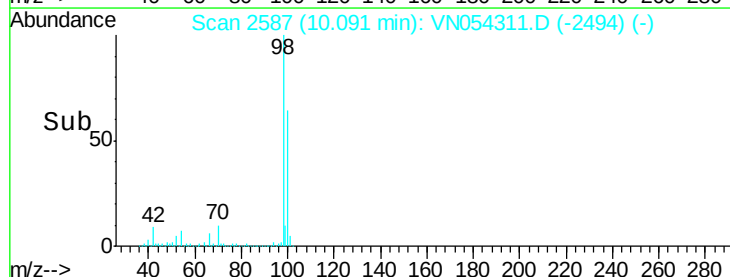
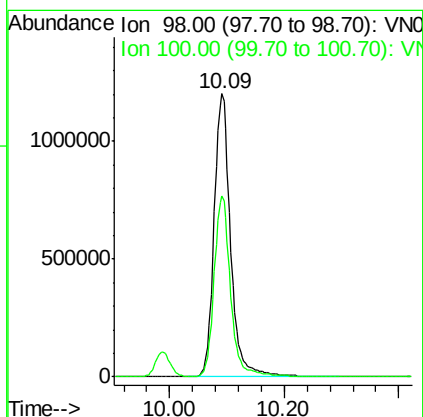
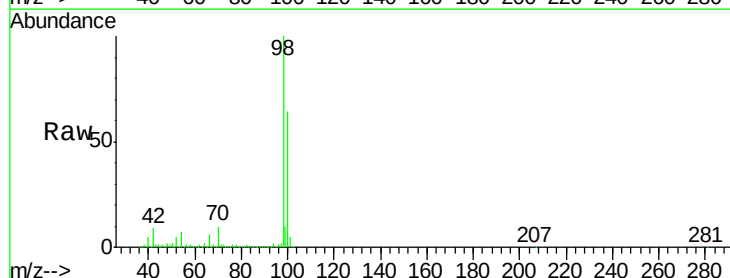
Acq: 15 Mar 2019 15:58

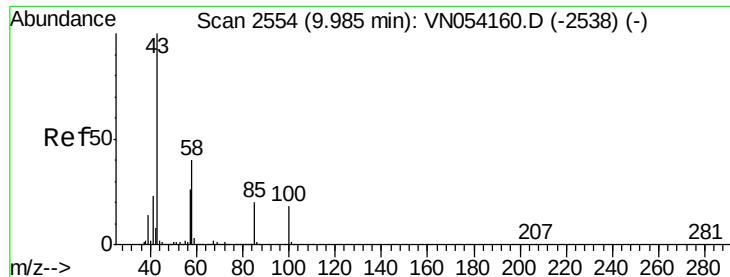
Tgt Ion: 98 Resp: 2418289

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 106.640 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

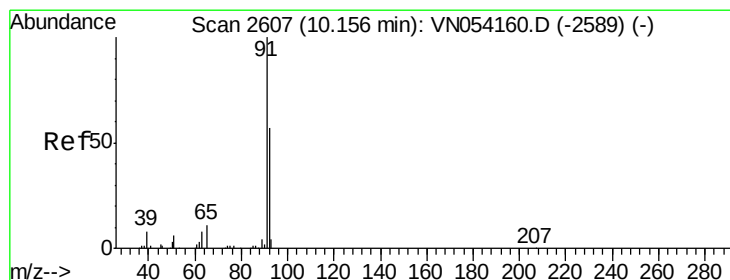
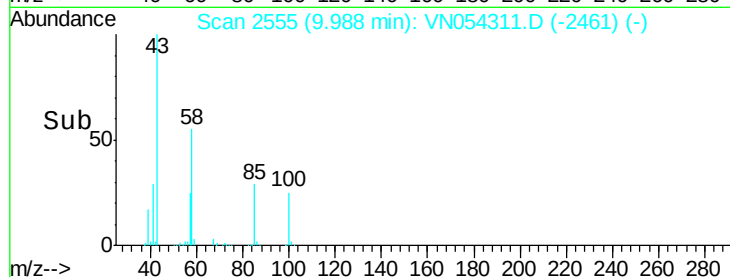
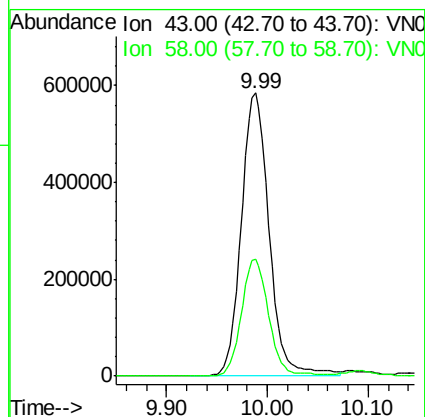
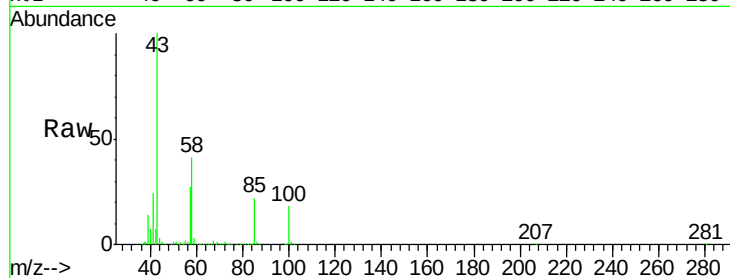
VN0315WBS01

Tot Ion: 43 Resp: 1106735

Ion Ratio Lower Upper

43 100

58 40.9 31.8 47.6



#52

Toluene

Concen: 19.674 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054311.D

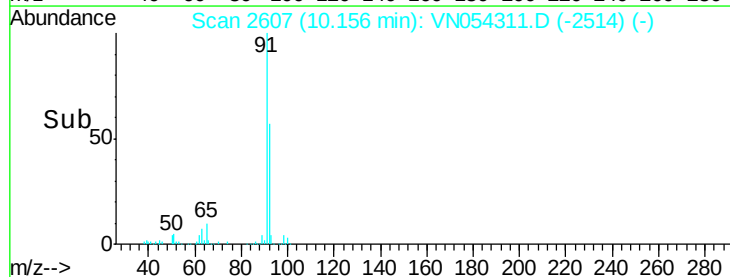
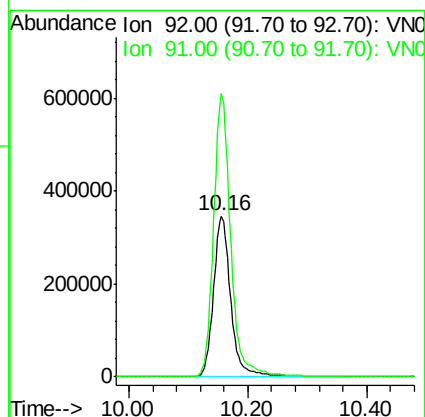
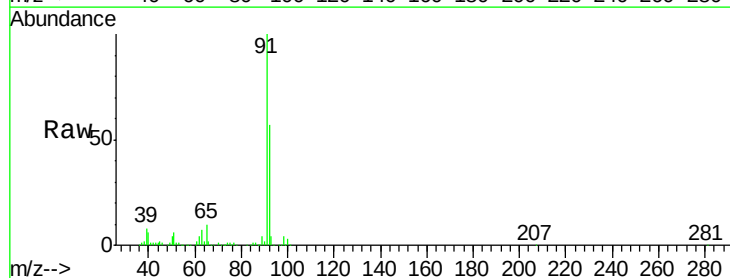
Acq: 15 Mar 2019 15:58

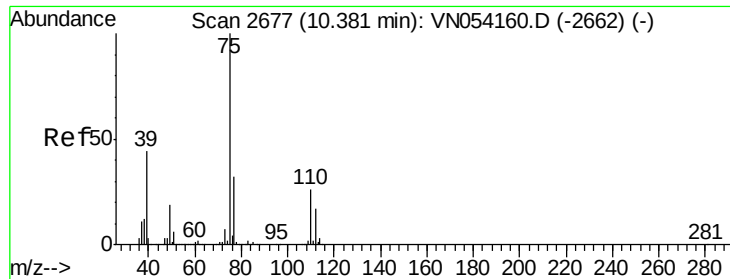
Tgt Ion: 92 Resp: 694129

Ion Ratio Lower Upper

92 100

91 175.0 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 16.273 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

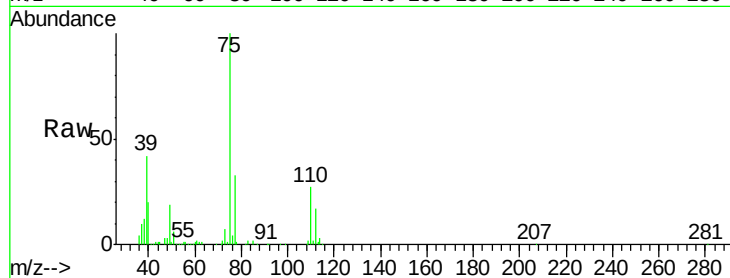
VN0315WBS01

Tot Ion: 75 Resp: 318471

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

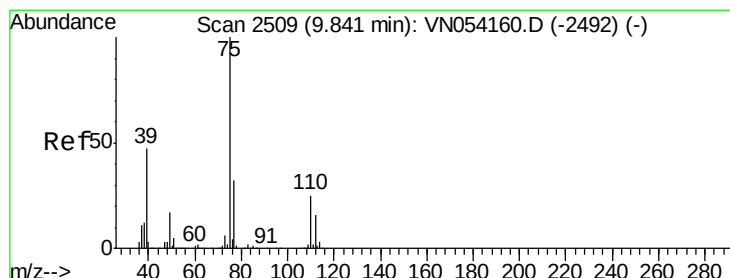
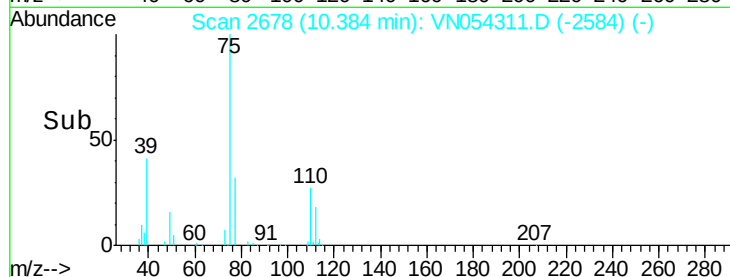
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.115 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

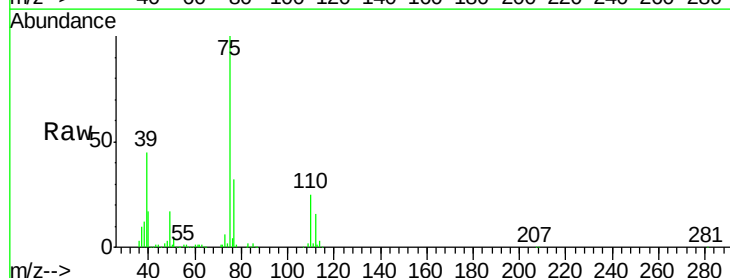
Tgt Ion: 75 Resp: 395050

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 44.5 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

250000

200000

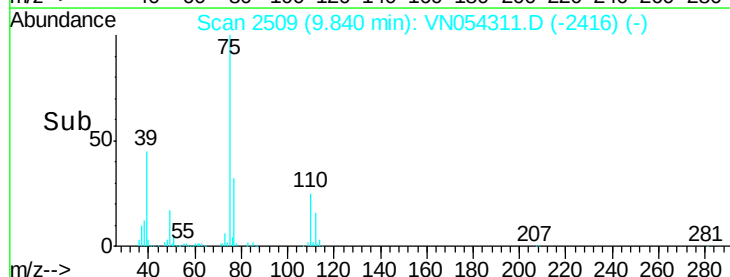
150000

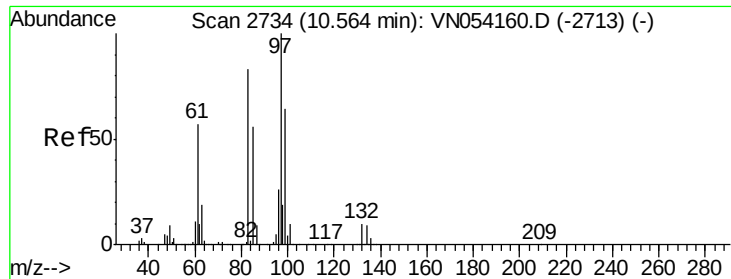
100000

50000

0

Time-->

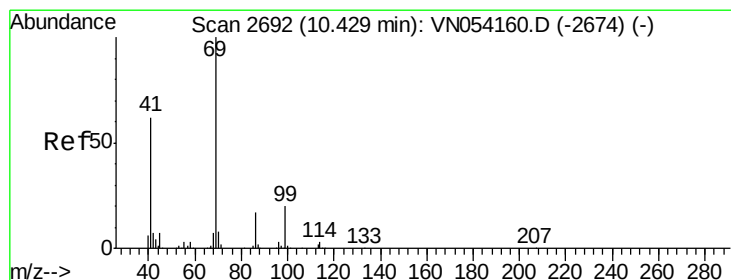
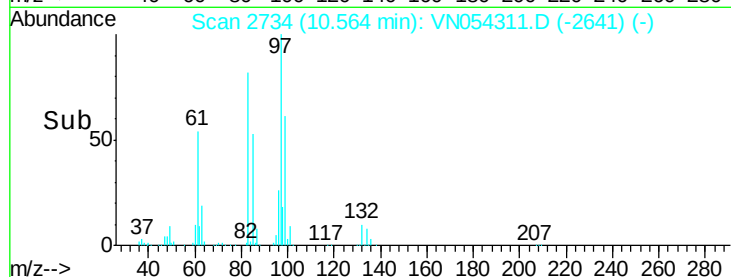
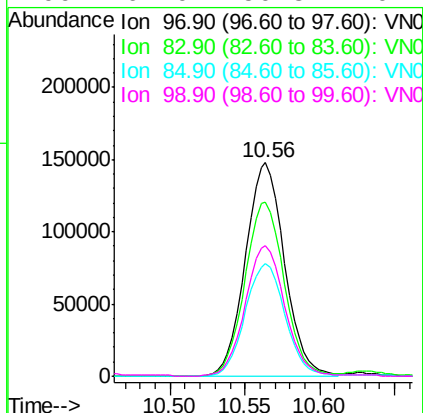
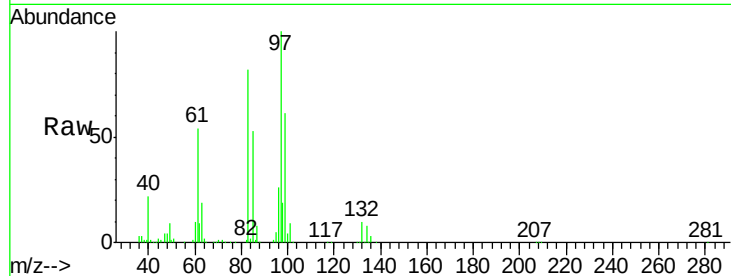




#55
 1,1,2-Trichloroethane
 Concen: 20.844 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

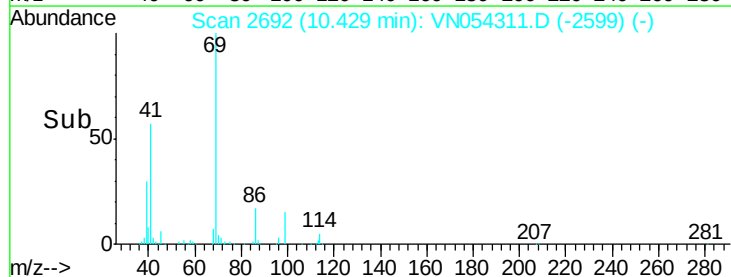
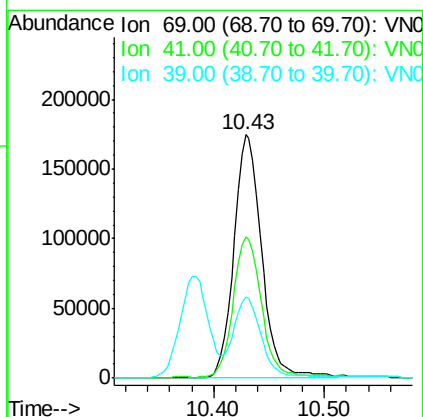
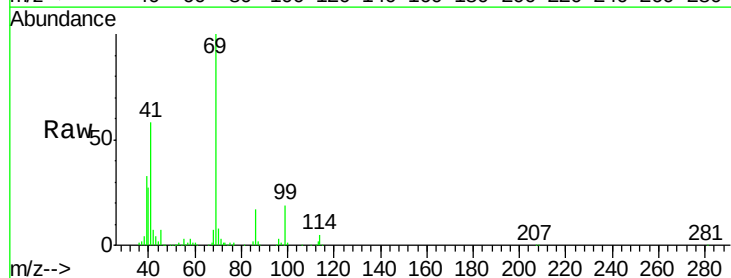
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

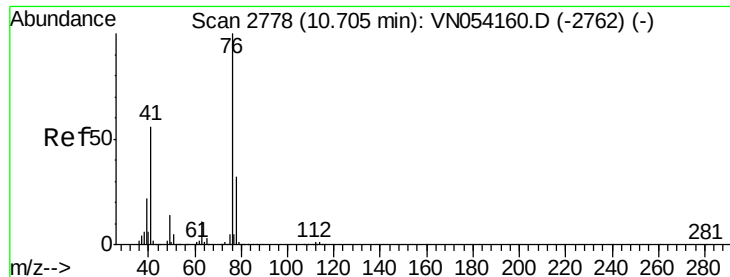
Tot Ion:	97	Resp:	268520
Ion	Ratio	Lower	Upper
97	100		
83	81.8	66.6	100.0
85	52.9	44.4	66.6
99	61.0	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 19.892 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion:	69	Resp:	305560
Ion	Ratio	Lower	Upper
69	100		
41	58.1	49.4	74.2
39	32.5	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.253 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

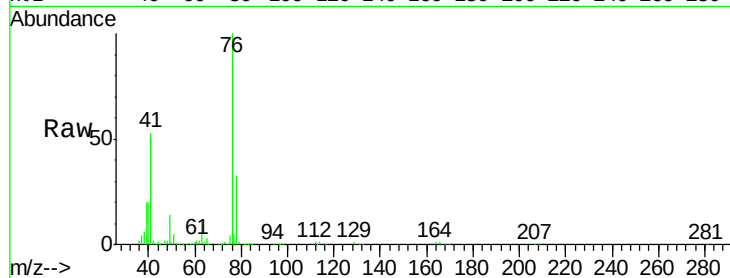
VN0315WBS01

Tot Ion: 76 Resp: 426624

Ion Ratio Lower Upper

76 100

78 32.5 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

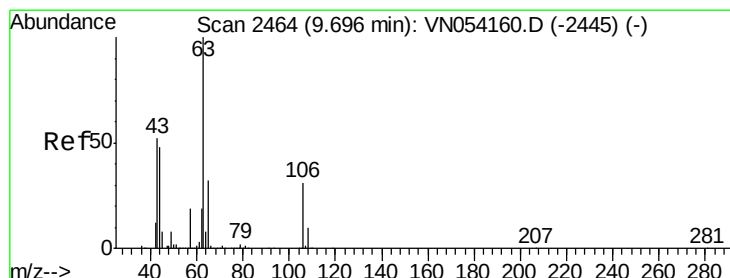
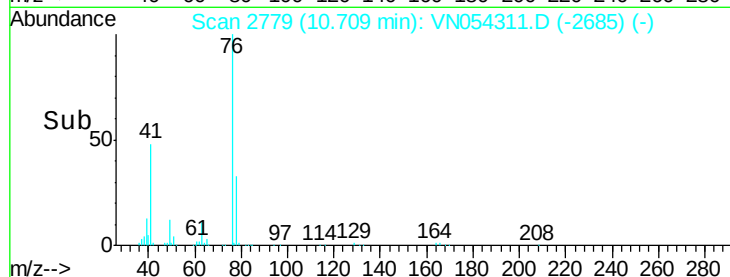
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 104.078 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054311.D

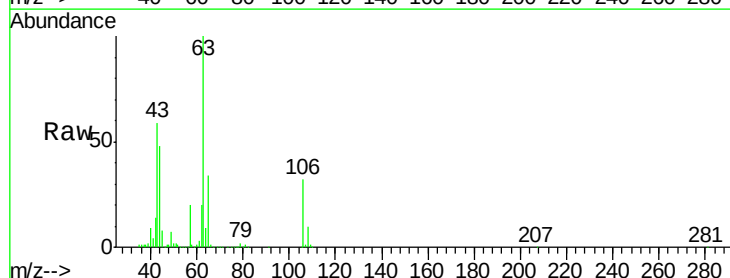
Acq: 15 Mar 2019 15:58

Tgt Ion: 63 Resp: 623404

Ion Ratio Lower Upper

63 100

106 31.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

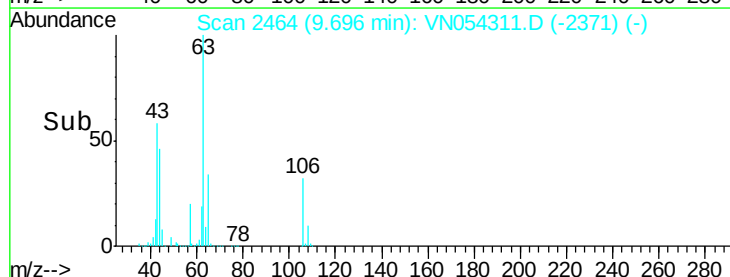
300000

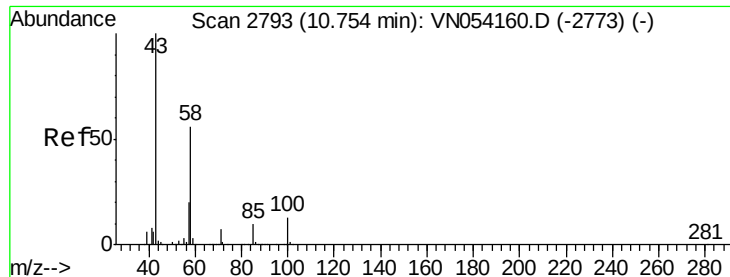
200000

100000

0

Time--> 9.60 9.70 9.80

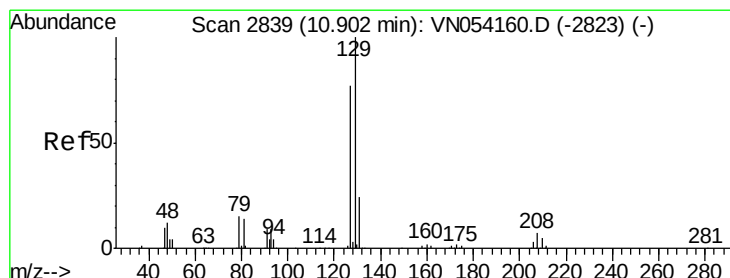
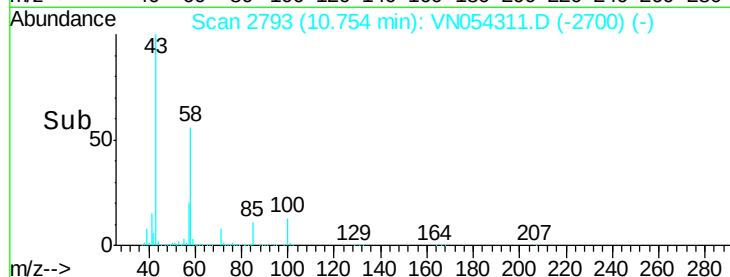
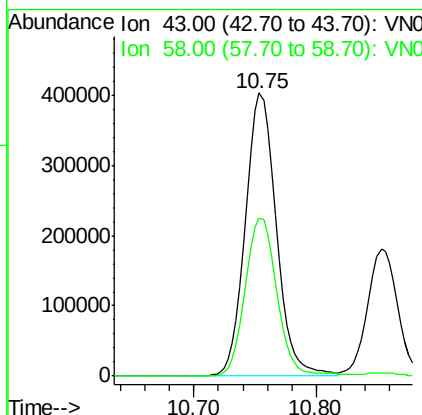
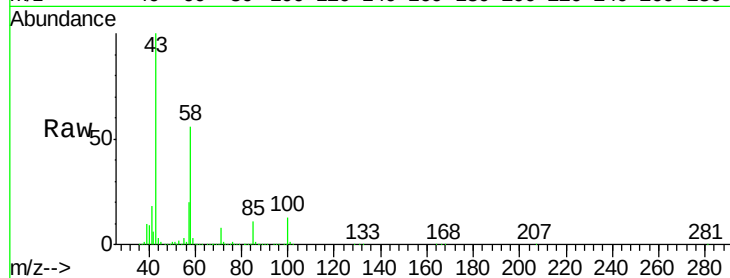




#59
2-Hexanone
Concen: 101.470 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

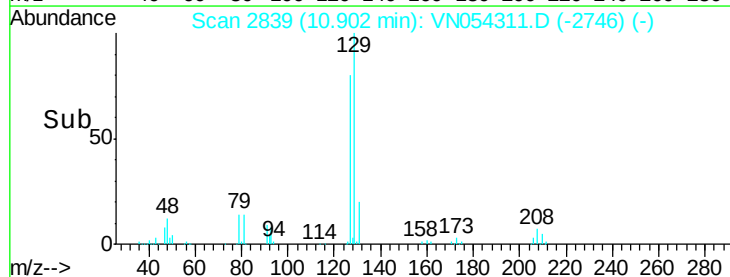
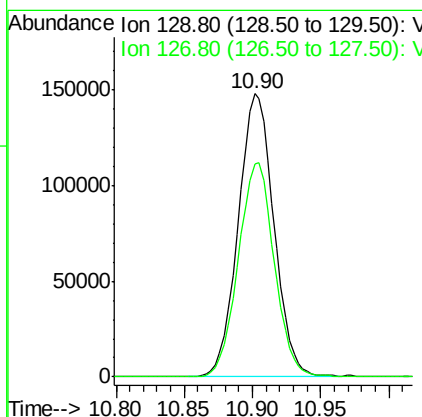
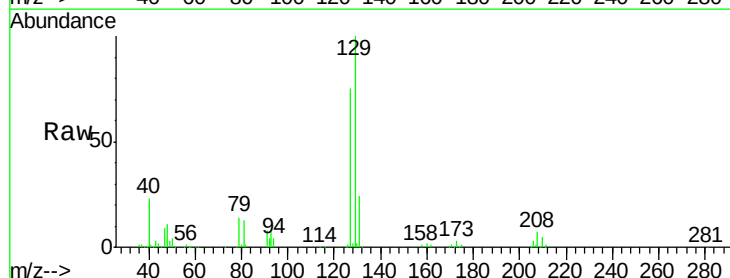
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

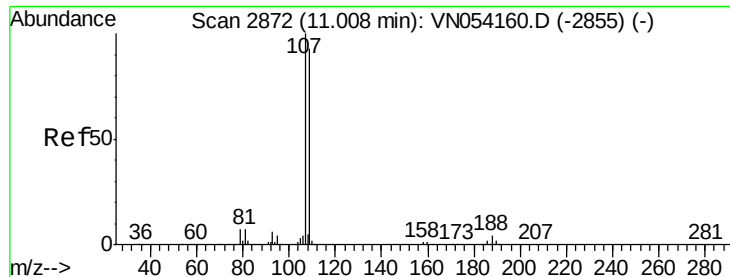
Tot Ion: 43 Resp: 700714
Ion Ratio Lower Upper
43 100
58 57.4 28.0 83.9



#60
Dibromochloromethane
Concen: 18.542 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion: 129 Resp: 268853
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.690 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

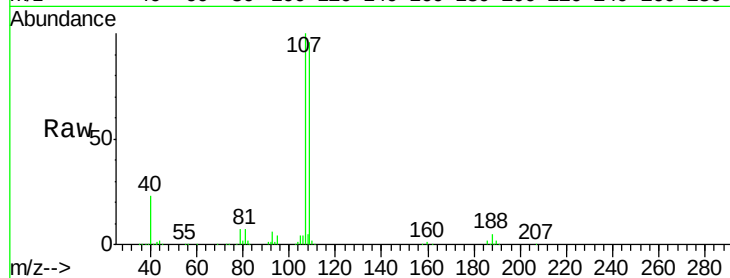
VN0315WBS01

Tot Ion: 107 Resp: 270856

Ion Ratio Lower Upper

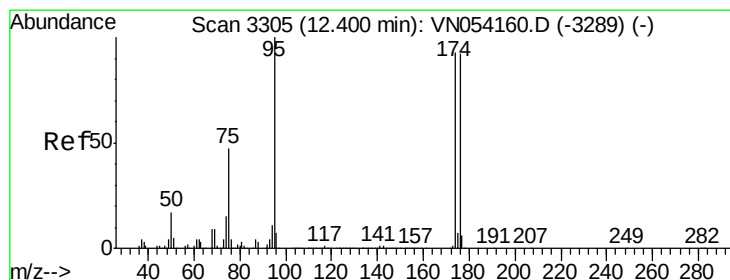
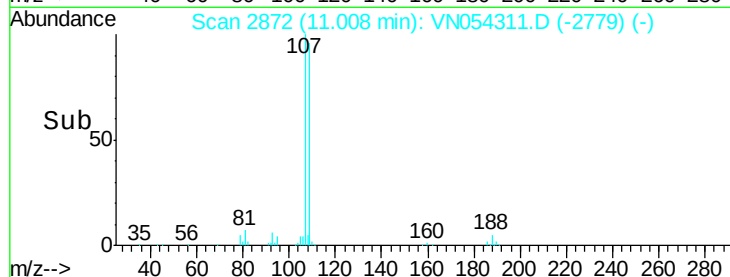
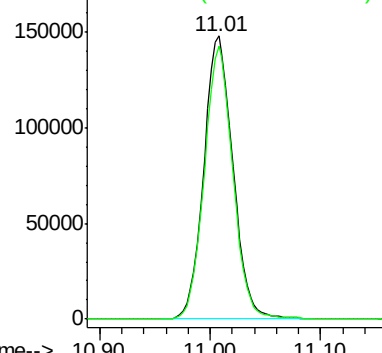
107 100

109 94.6 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.596 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

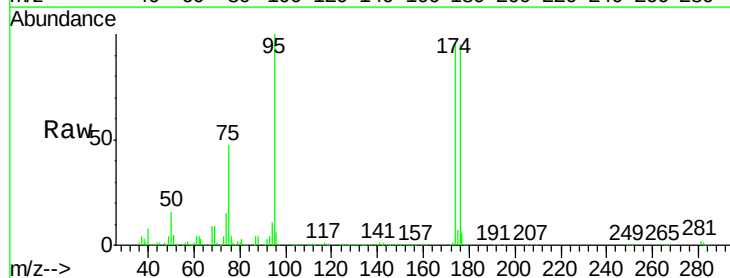
Tgt Ion: 95 Resp: 802381

Ion Ratio Lower Upper

95 100

174 98.5 0.0 191.0

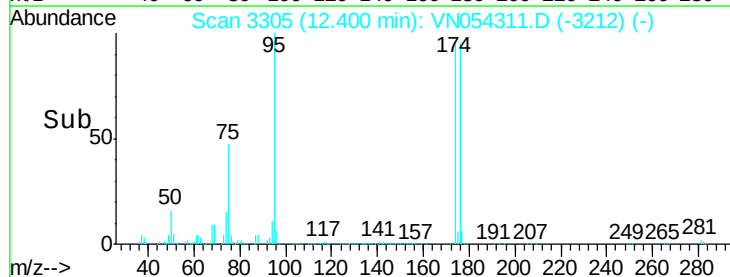
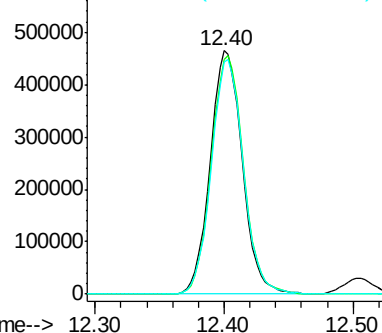
176 96.6 0.0 187.4

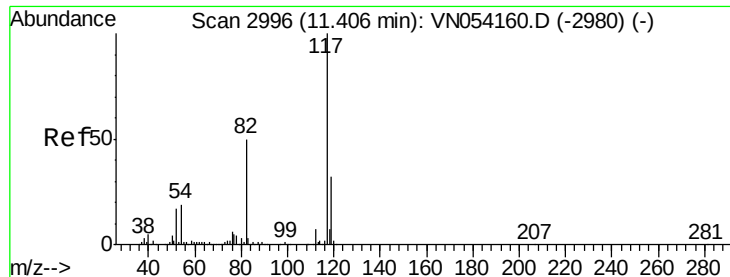


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

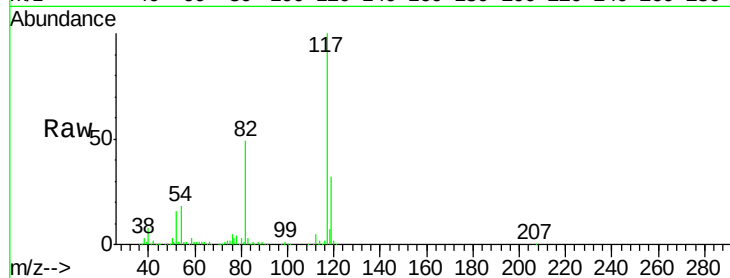
Tot Ion:117 Resp: 1820497

Ion Ratio Lower Upper

117 100

82 49.4 40.0 60.0

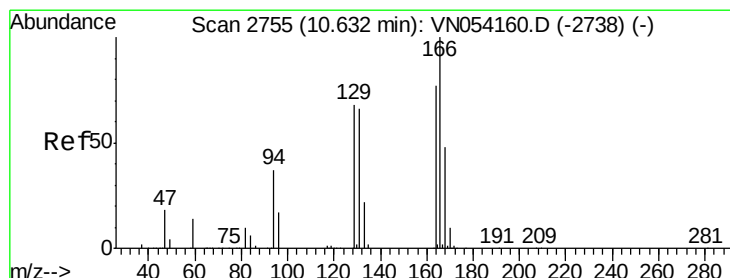
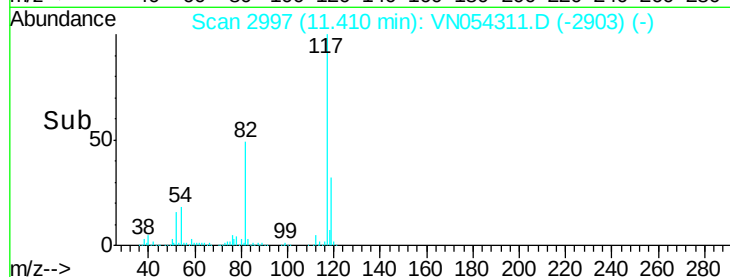
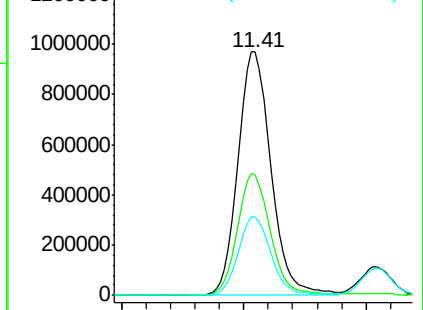
119 32.2 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.437 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Tgt Ion:164 Resp: 342124

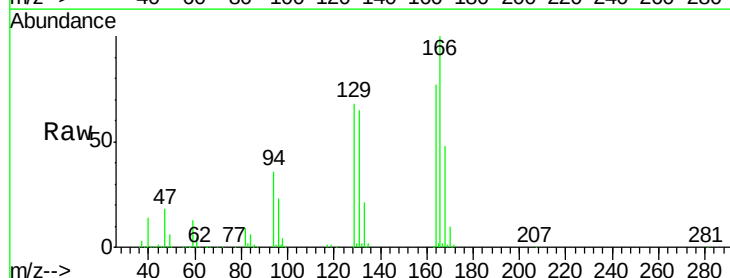
Ion Ratio Lower Upper

164 100

166 129.7 103.9 155.9

129 88.3 71.1 106.7

131 83.7 68.2 102.4

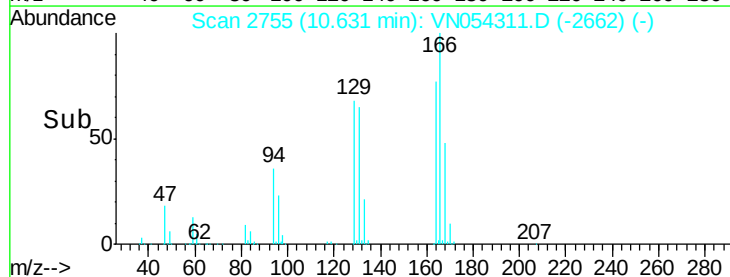
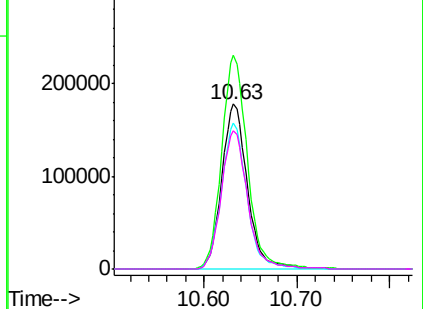


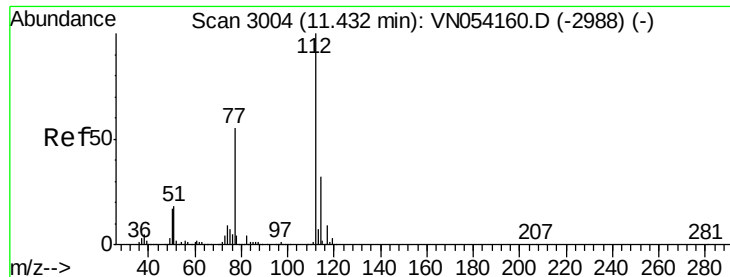
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

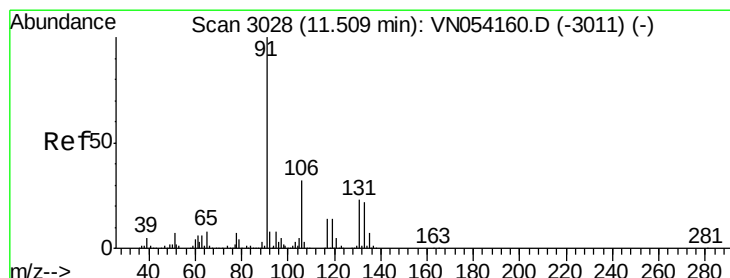
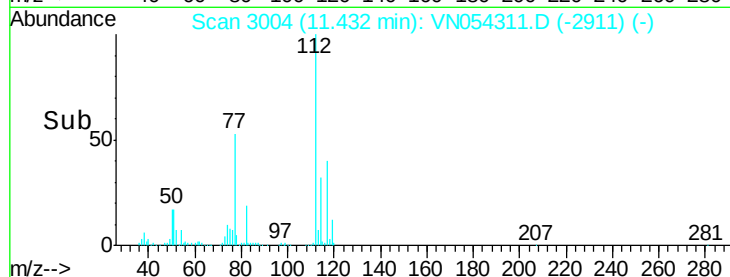
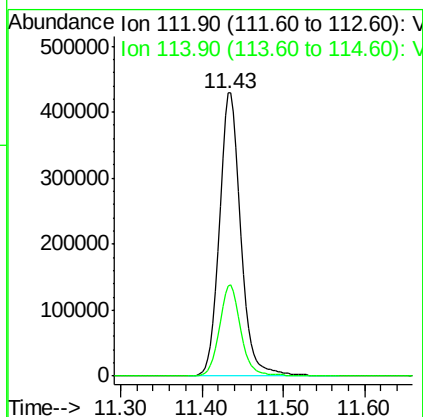
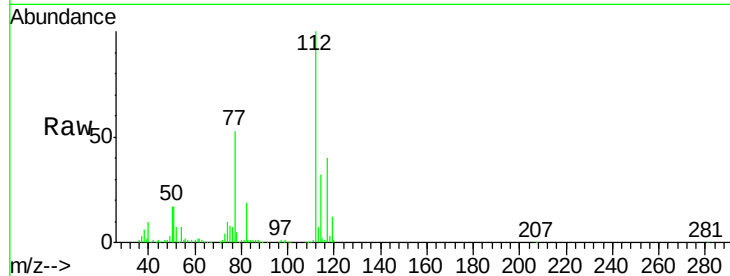




#65
Chlorobenzene
Concen: 19.999 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

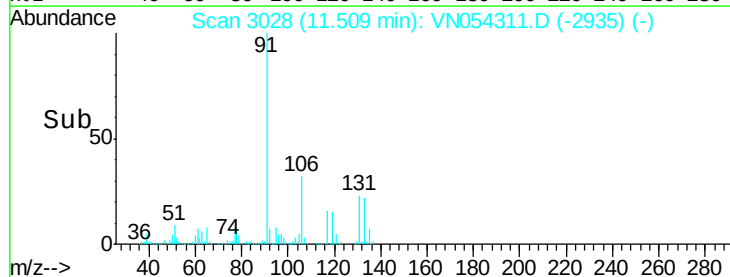
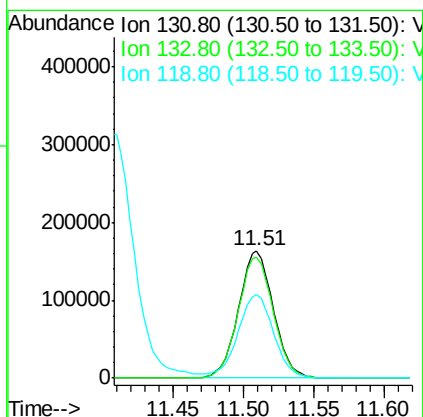
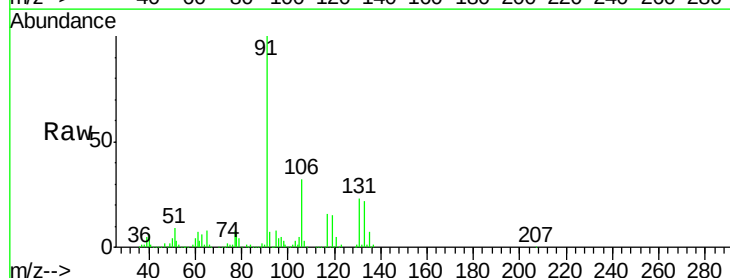
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

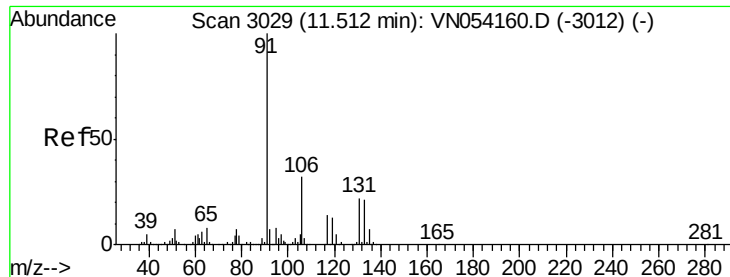
Tot Ion:112 Resp: 799444
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.504 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion:131 Resp: 283217
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 67.7 32.4 97.0

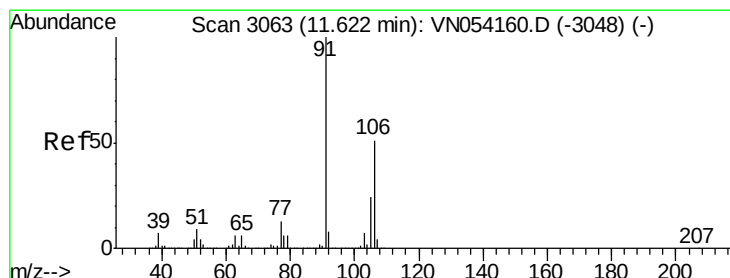
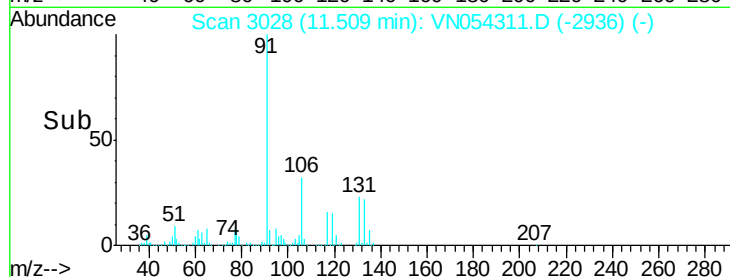
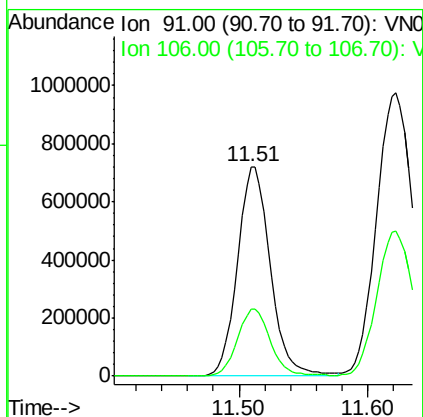
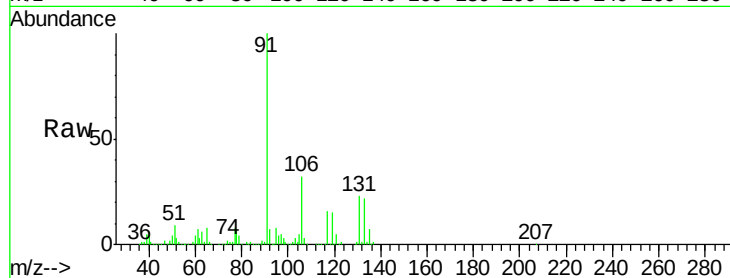




#67
Ethyl Benzene
Concen: 19.337 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

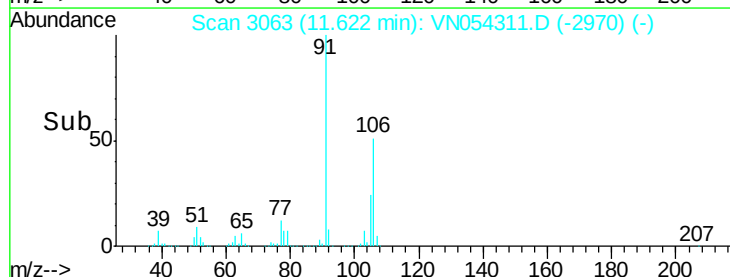
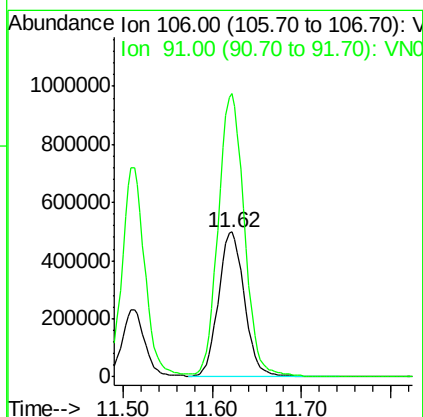
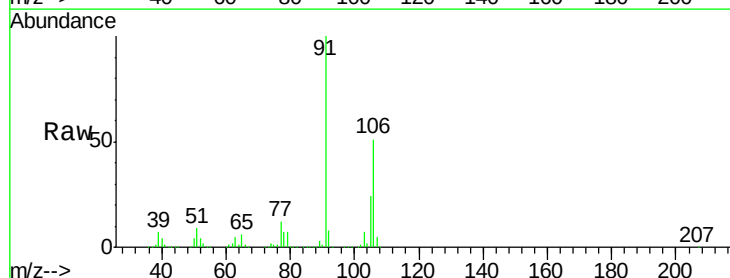
Instrument :
MSVOA_N
ClientSampled :
VN0315WBS01

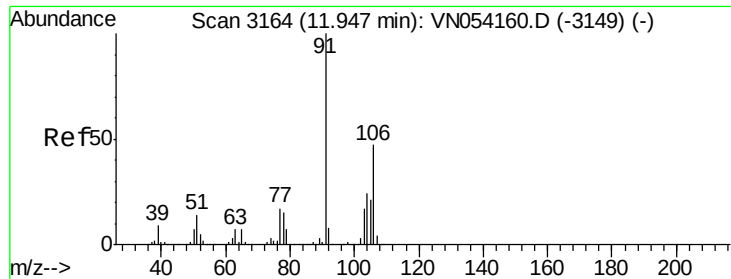
Tot Ion: 91 Resp: 1281311
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 39.089 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion: 106 Resp: 1012349
Ion Ratio Lower Upper
106 100
91 196.0 159.4 239.2

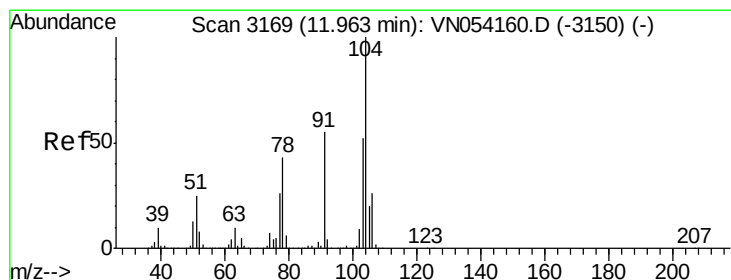
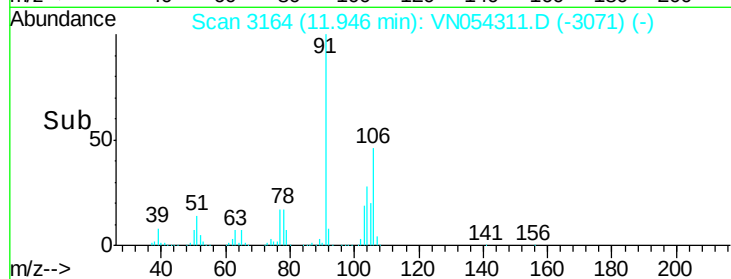
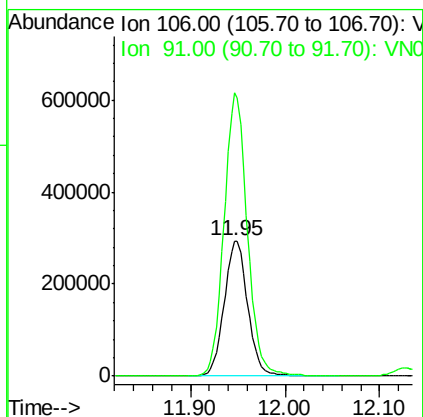
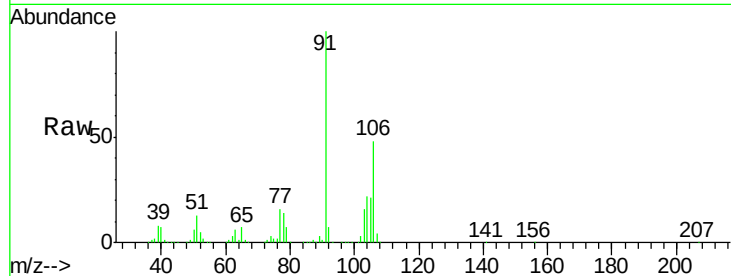




#69
o-Xylene
Concen: 20.090 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

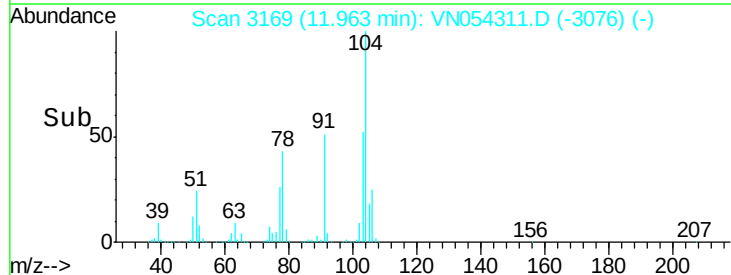
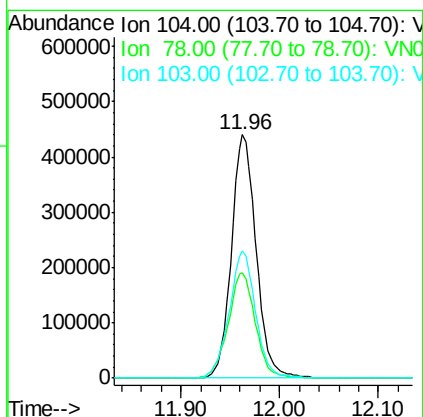
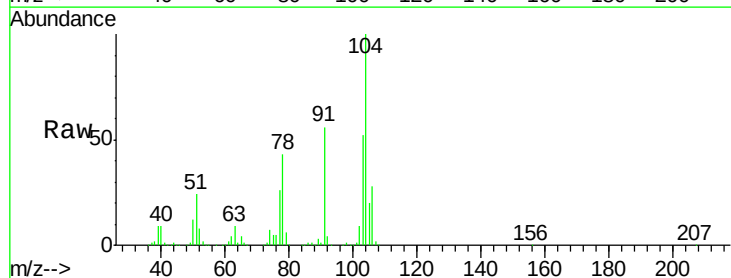
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

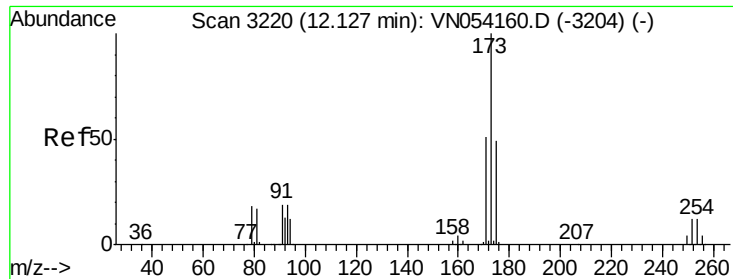
Tot Ion:106 Resp: 507195
Ion Ratio Lower Upper
106 100
91 207.2 105.7 317.1



#70
Styrene
Concen: 19.443 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion:104 Resp: 769846
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 55.8 44.4 66.6





#71

Bromoform

Concen: 17.332 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

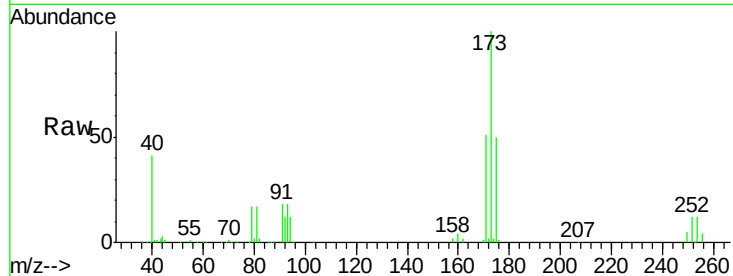
Tot Ion:173 Resp: 174014

Ion Ratio Lower Upper

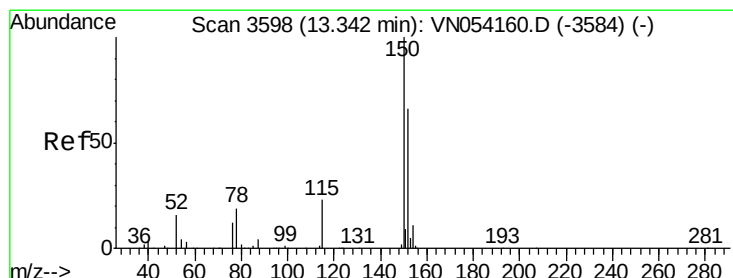
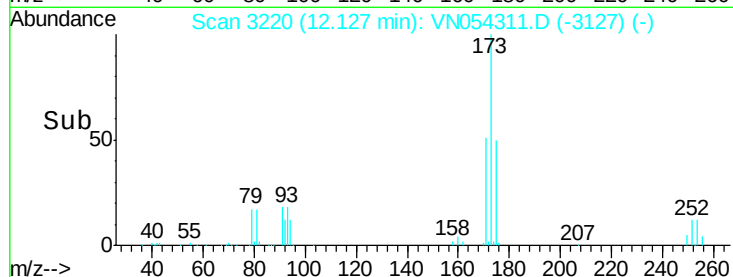
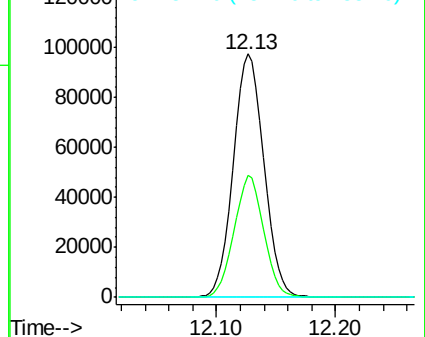
173 100

175 48.4 24.4 73.2

254 0.0 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: VN054311.D

Acq: 15 Mar 2019 15:58

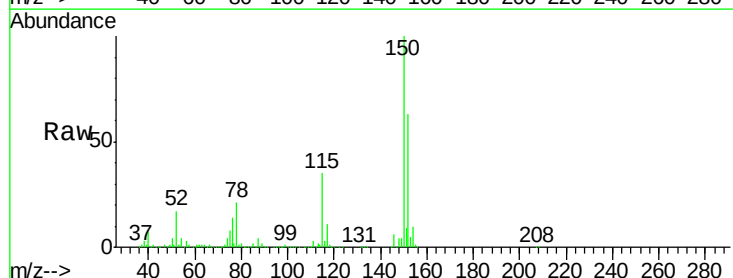
Tgt Ion:152 Resp: 800125

Ion Ratio Lower Upper

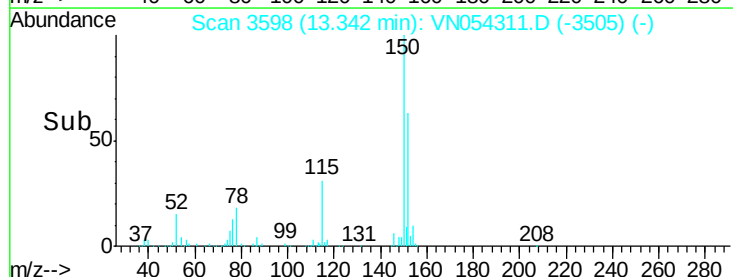
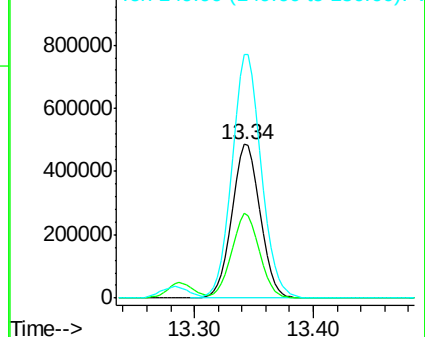
152 100

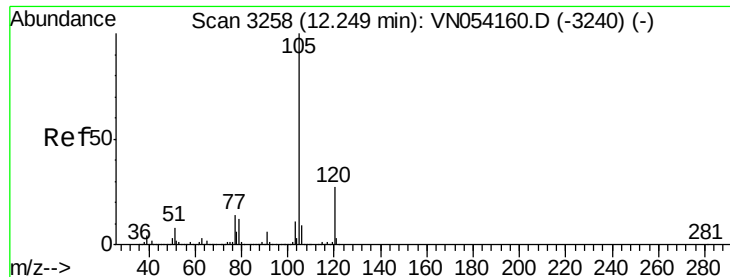
115 54.0 27.2 81.6

150 163.7 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: 20.426 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

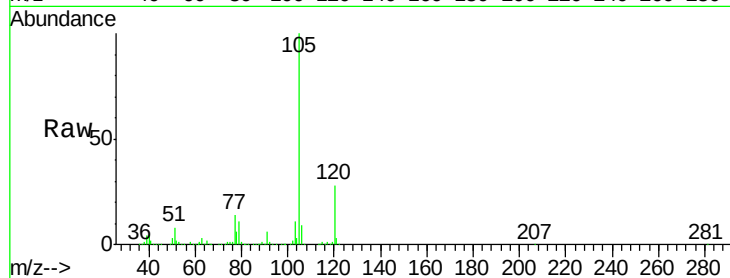
VN0315WBS01

Tot Ion:105 Resp: 1307556

Ion Ratio Lower Upper

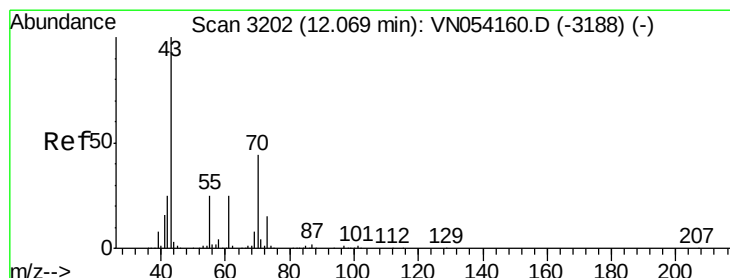
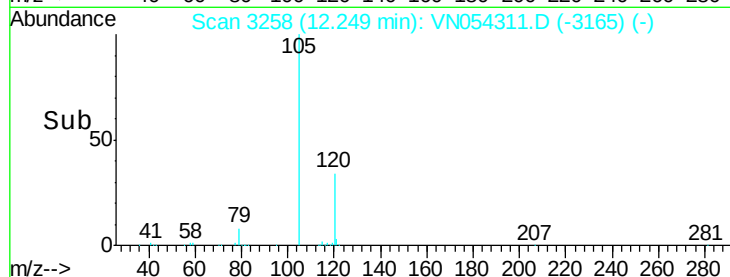
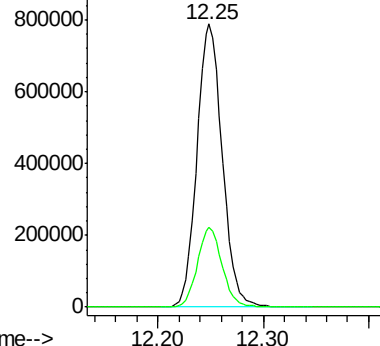
105 100

120 27.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.036 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Tgt Ion: 43 Resp: 298904

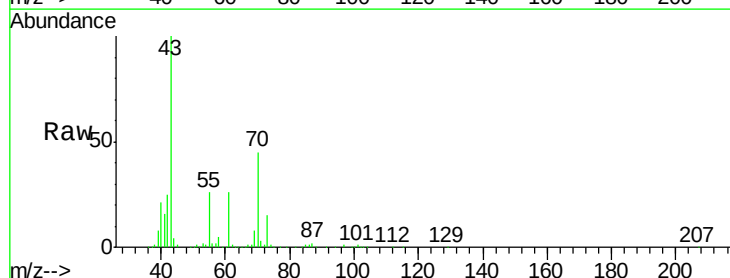
Ion Ratio Lower Upper

43 100

70 45.9 35.4 53.0

55 25.2 19.8 29.6

61 25.7 19.8 29.6

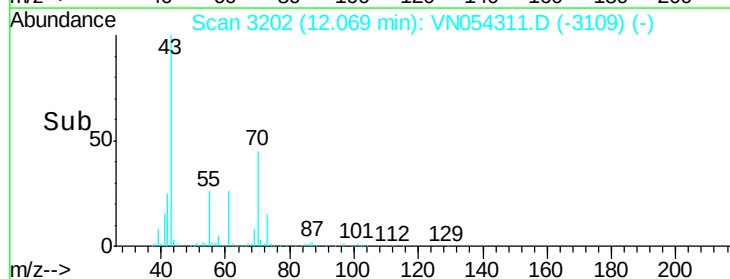
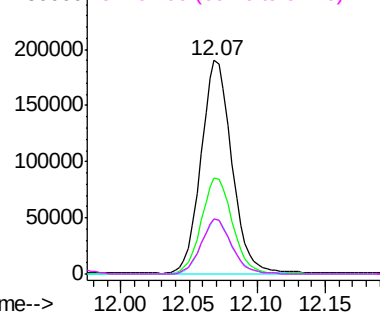


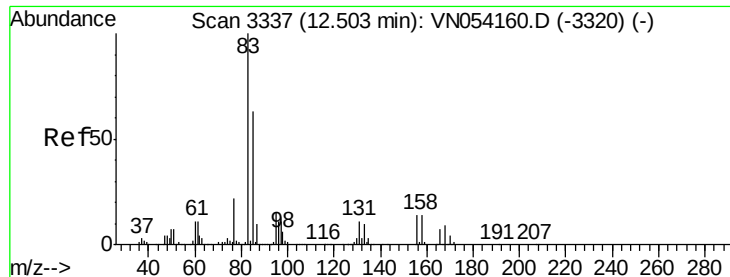
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.766 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

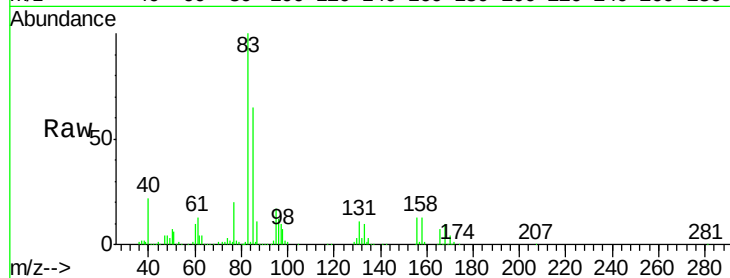
Tot Ion: 83 Resp: 310502

Ion Ratio Lower Upper

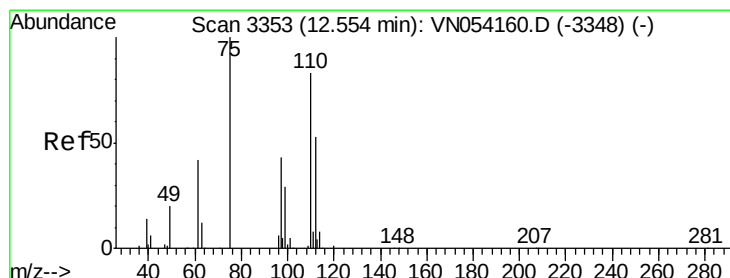
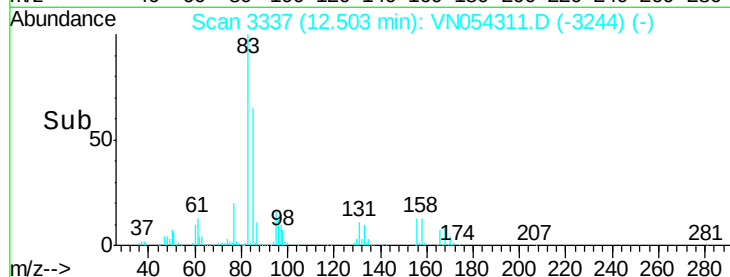
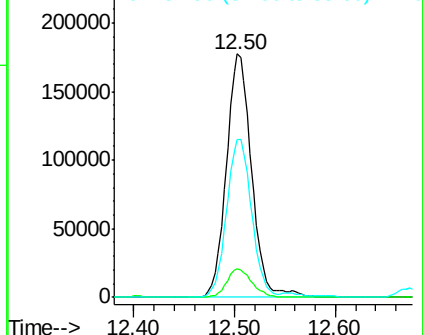
83 100

131 11.7 5.8 17.4

85 64.0 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 29.809 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054311.D

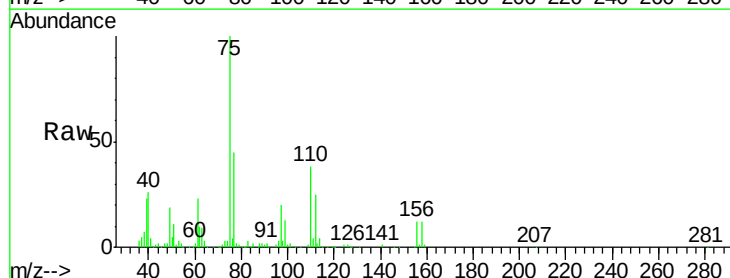
Acq: 15 Mar 2019 15:58

Tgt Ion: 75 Resp: 350740

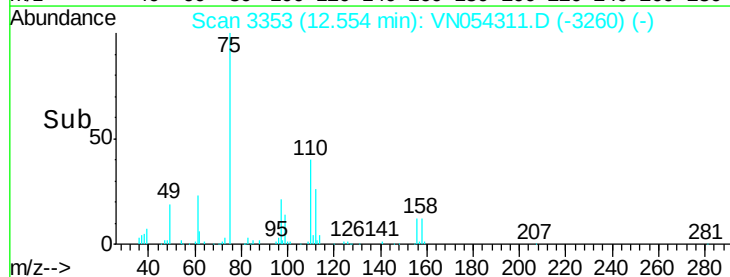
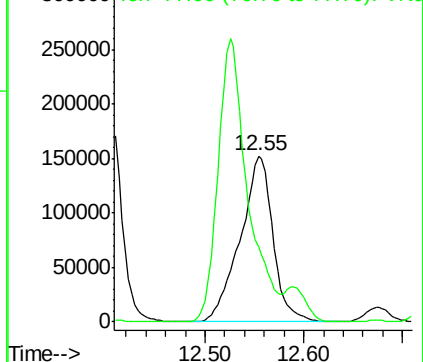
Ion Ratio Lower Upper

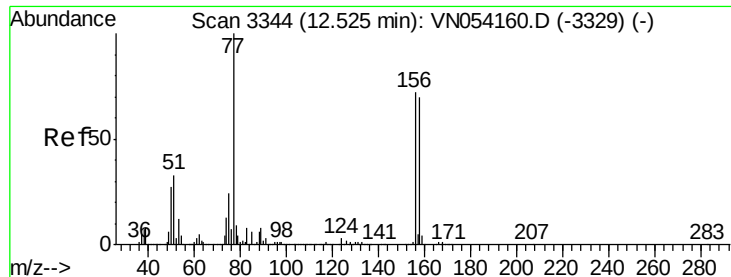
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.925 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

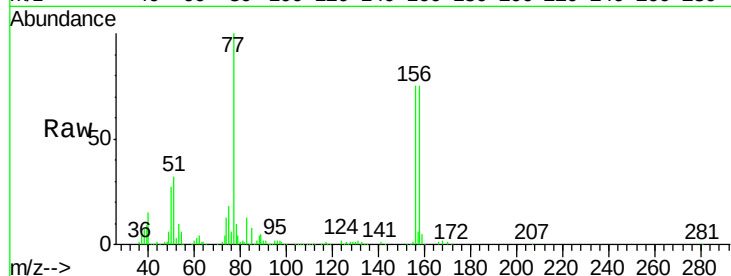
Tot Ion:156 Resp: 354459

Ion Ratio Lower Upper

156 100

77 154.9 81.5 244.4

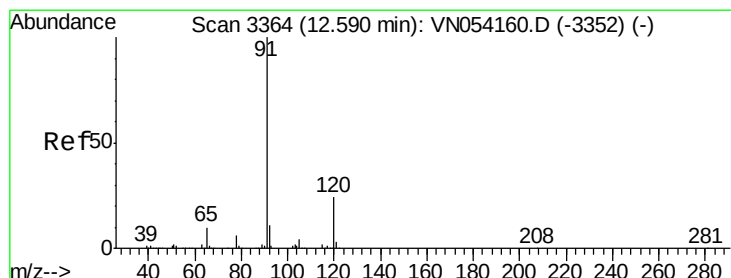
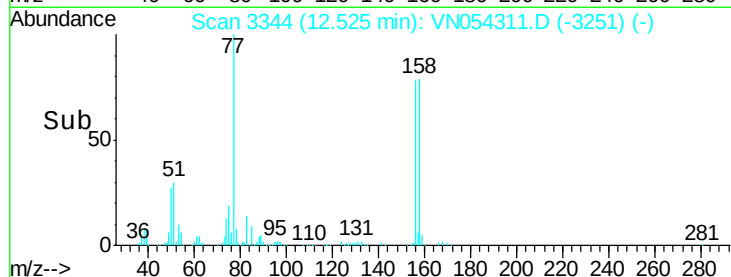
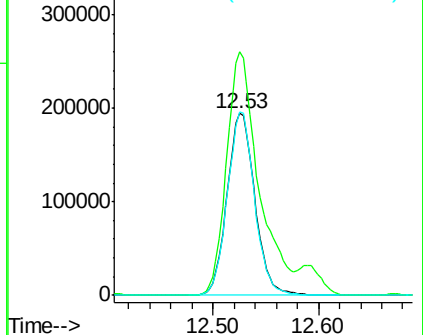
158 98.4 49.0 147.2



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: 19.334 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054311.D

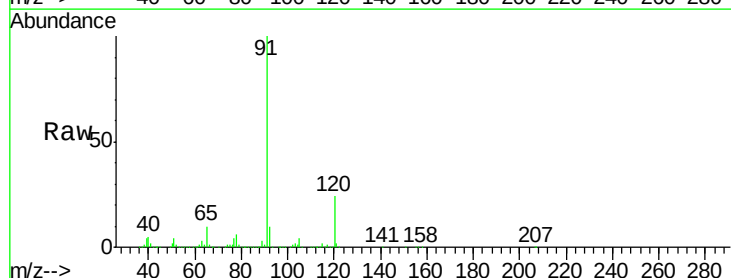
Acq: 15 Mar 2019 15:58

Tgt Ion: 91 Resp: 1342961

Ion Ratio Lower Upper

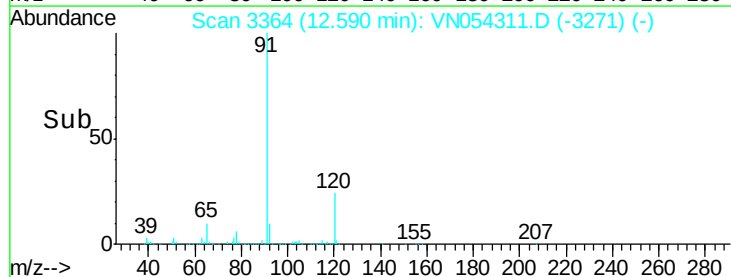
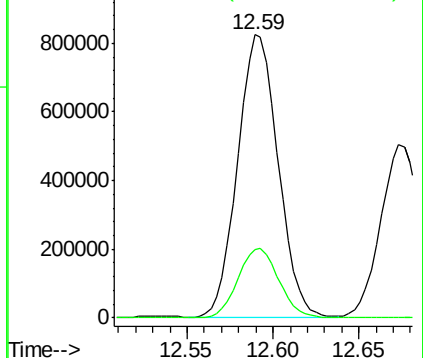
91 100

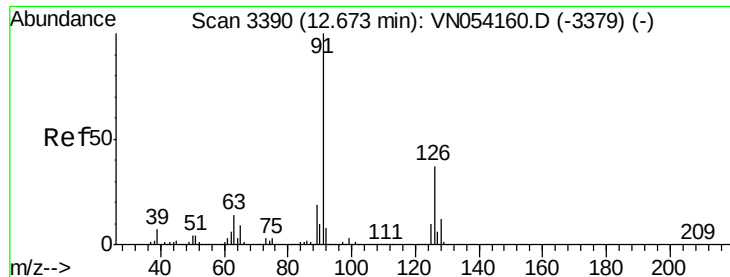
120 24.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.271 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

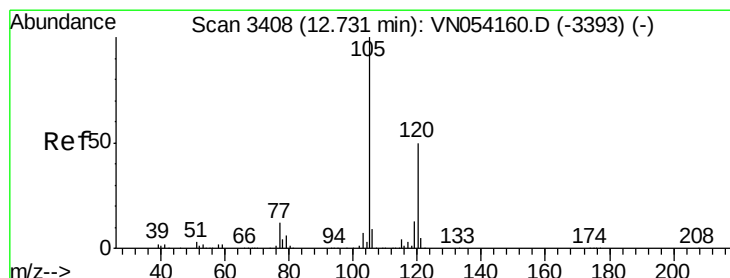
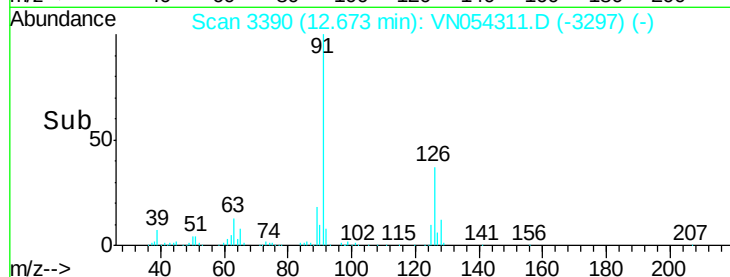
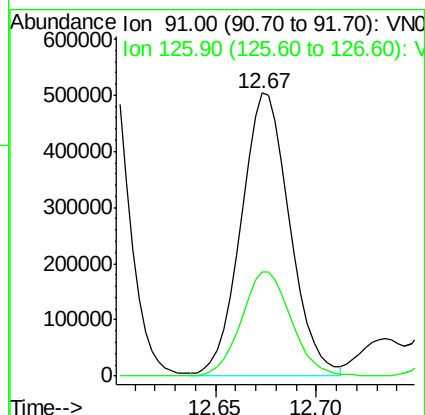
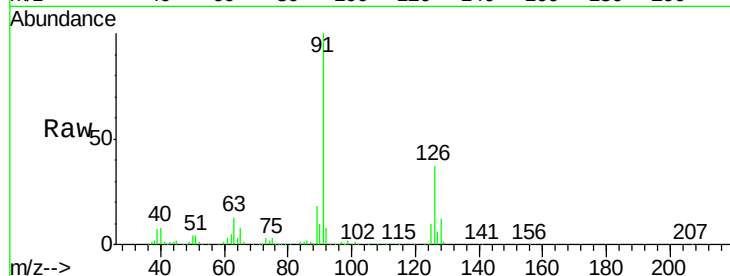
VN0315WBS01

Tot Ion: 91 Resp: 846619

Ion Ratio Lower Upper

91 100

126 37.9 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 19.639 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054311.D

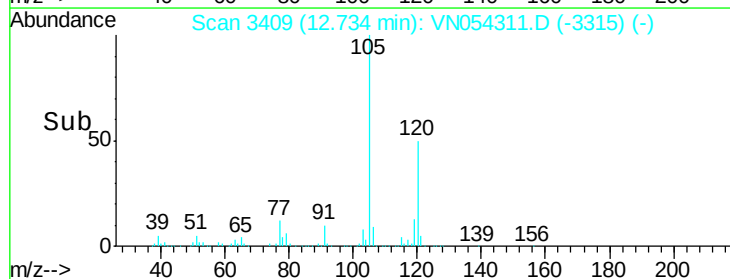
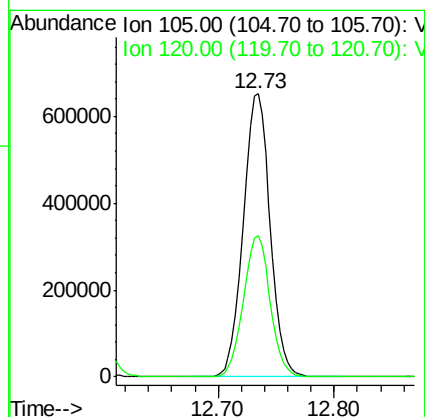
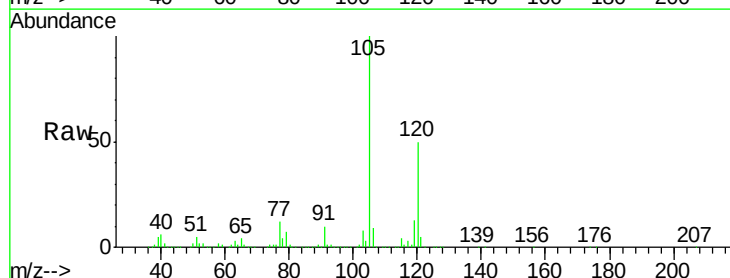
Acq: 15 Mar 2019 15:58

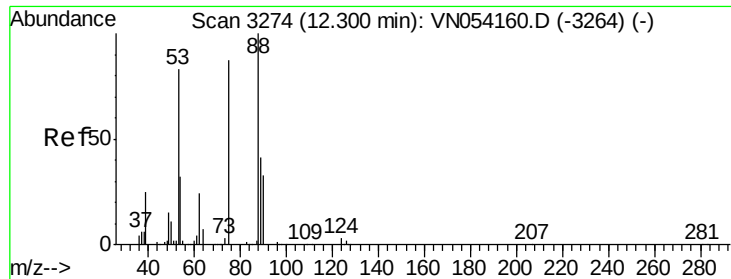
Tgt Ion: 105 Resp: 1045696

Ion Ratio Lower Upper

105 100

120 49.8 25.0 75.0

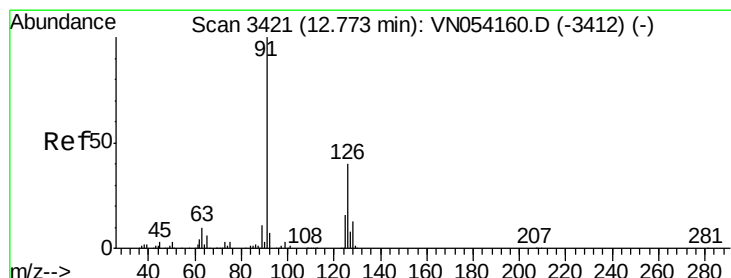
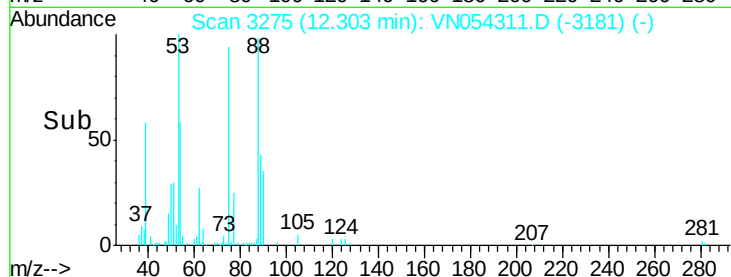
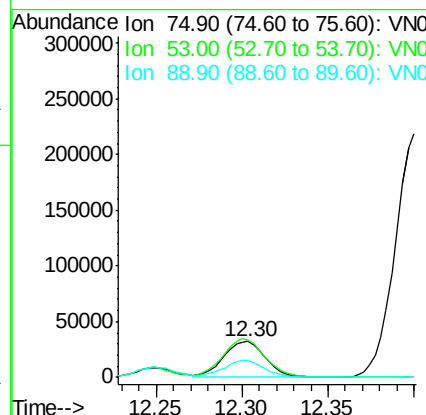
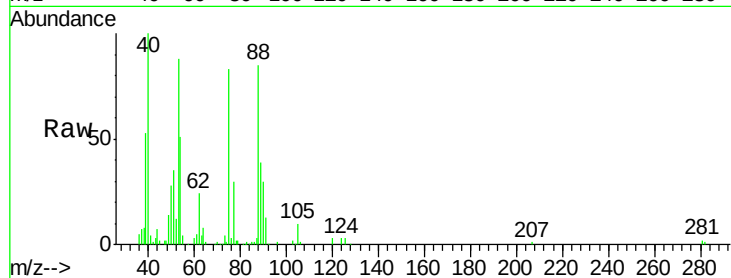




#81
trans-1,4-Dichloro-2-butene
Concen: 15.636 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

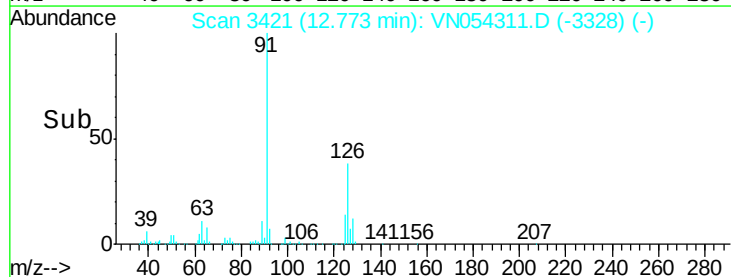
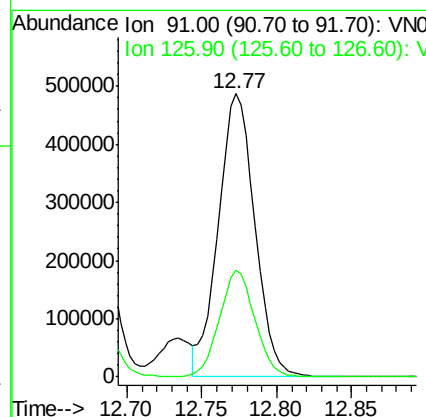
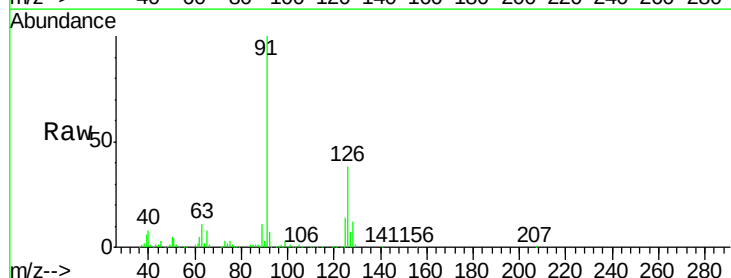
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

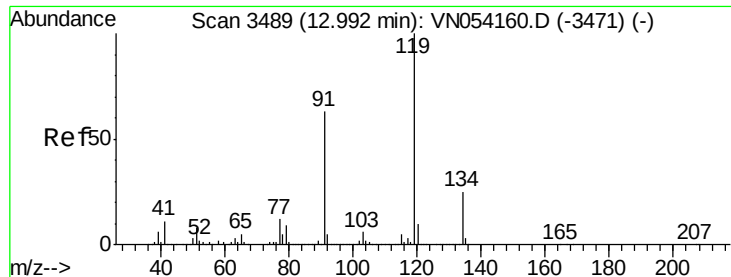
Tot Ion: 75 Resp: 53819
Ion Ratio Lower Upper
75 100
53 110.2 76.2 114.2
89 47.3 39.2 58.8



#82
4-Chlorotoluene
Concen: 19.766 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion: 91 Resp: 824325
Ion Ratio Lower Upper
91 100
126 36.8 18.1 54.1

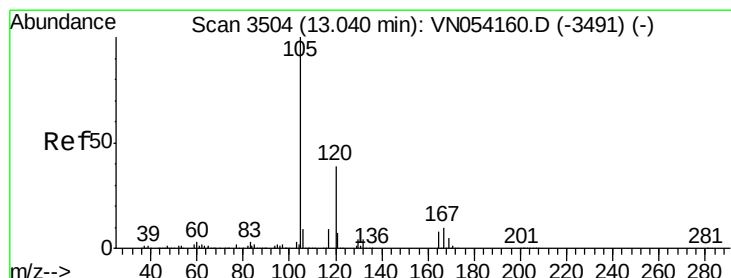
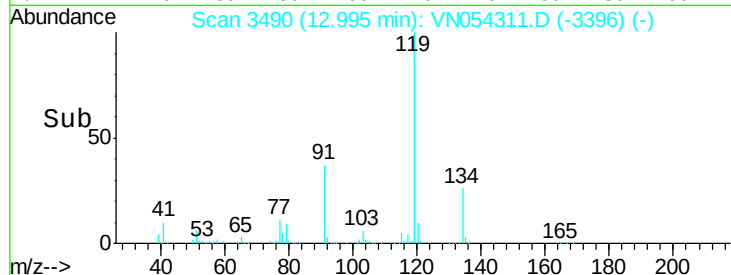
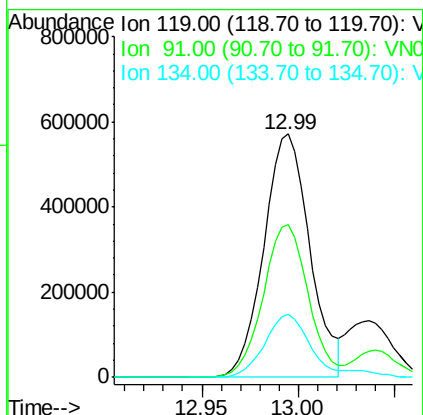
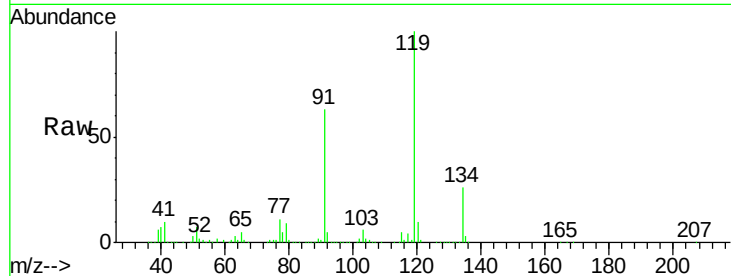




#83
 tert-Butylbenzene
 Concen: 19.344 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

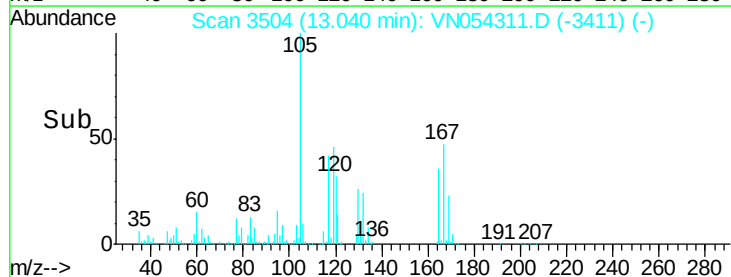
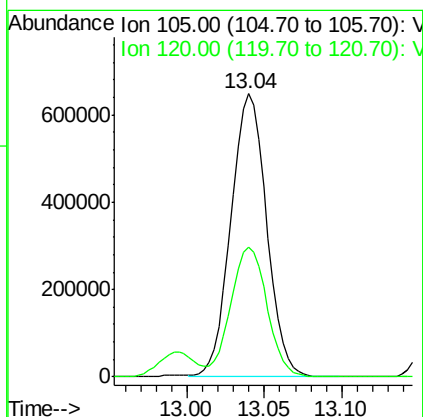
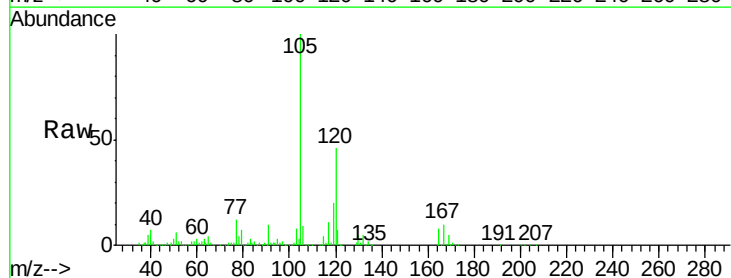
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

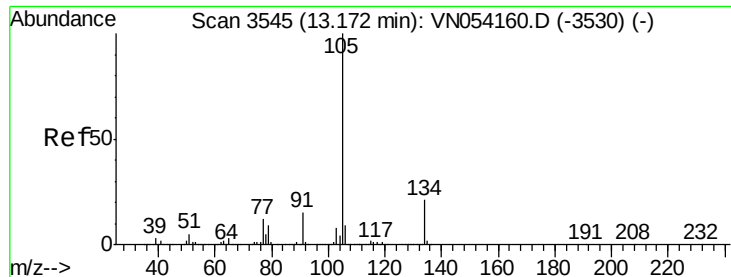
Tot Ion:119 Resp: 948076
 Ion Ratio Lower Upper
 119 100
 91 60.9 30.9 92.8
 134 27.1 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.828 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion:105 Resp: 1035768
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.3





#85

sec-Butylbenzene

Concen: 18.520 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

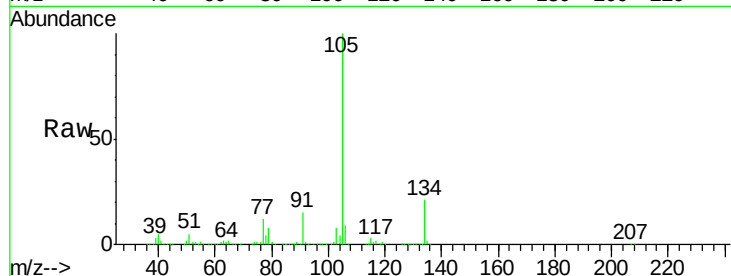
VN0315WBS01

Tot Ion:105 Resp: 1177128

Ion Ratio Lower Upper

105 100

134 21.3 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

800000

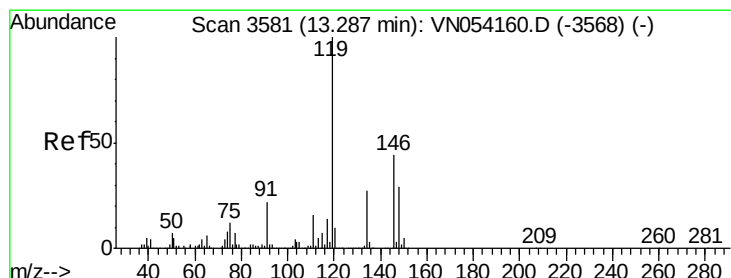
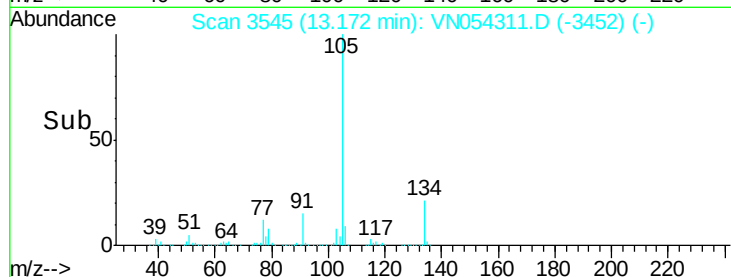
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.202 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

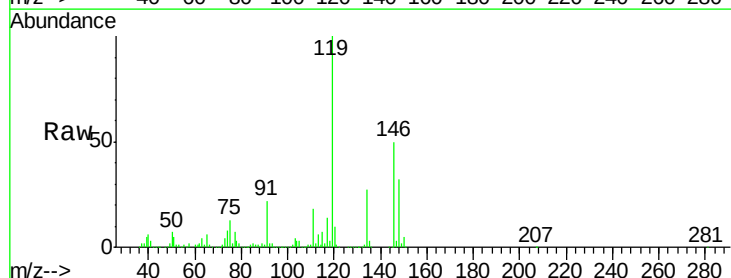
Tgt Ion:119 Resp: 1014961

Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.8

91 21.9 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

13.29

800000

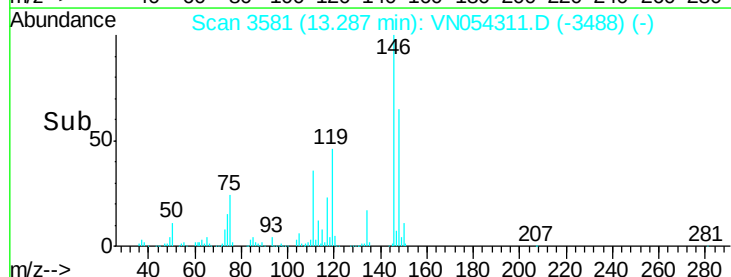
600000

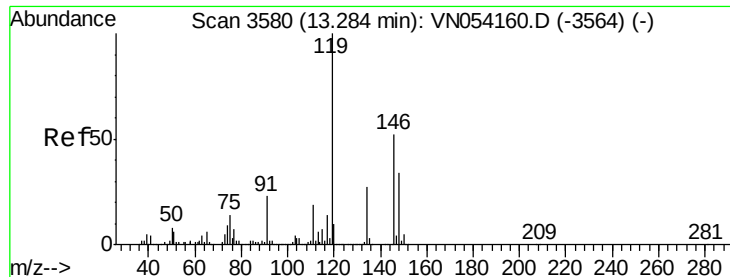
400000

200000

0

Time-->

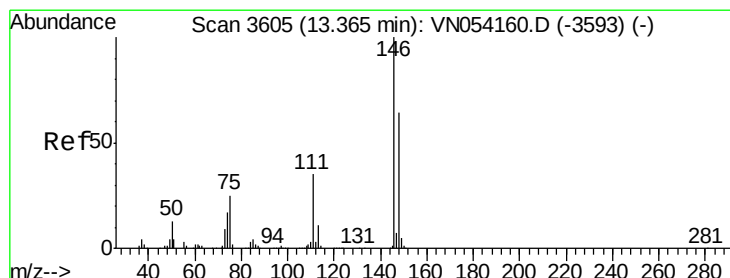
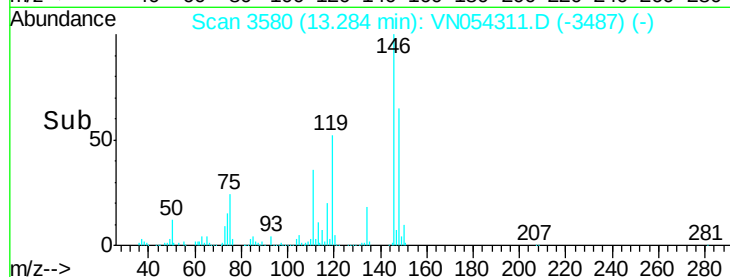
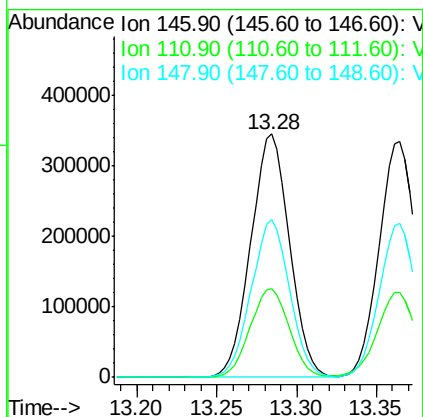
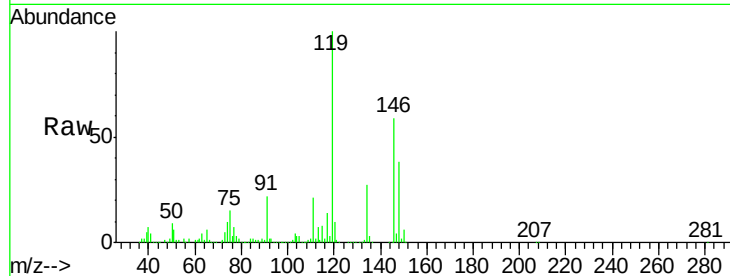




#87
 1,3-Dichlorobenzene
 Concen: 20.061 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

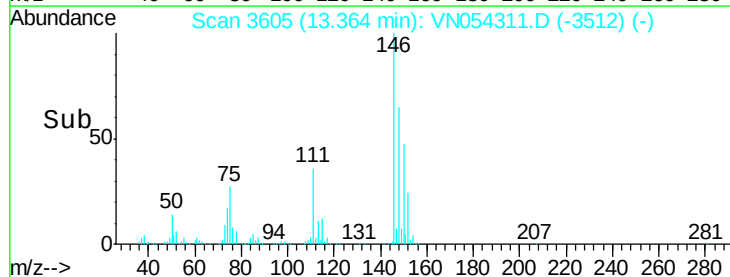
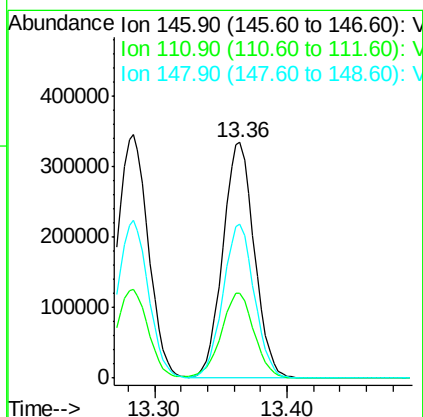
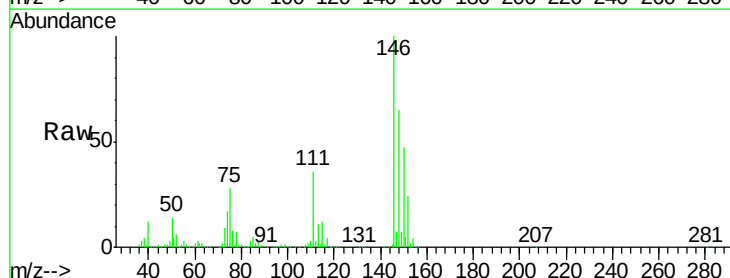
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

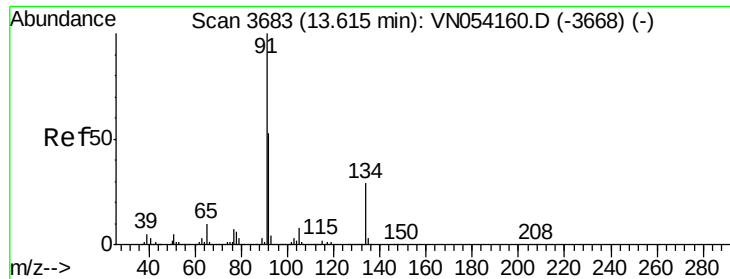
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.3
148	64.3	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.590 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	65.3	32.0	96.0





#89

n-Butylbenzene

Concen: 17.029 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

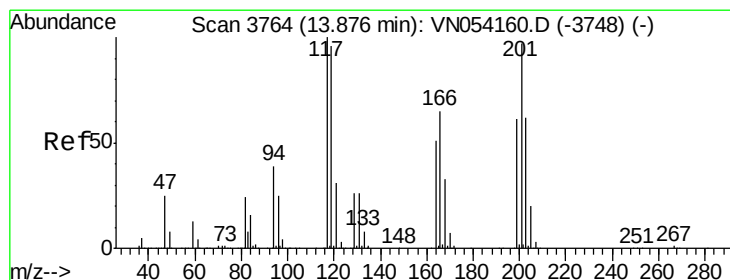
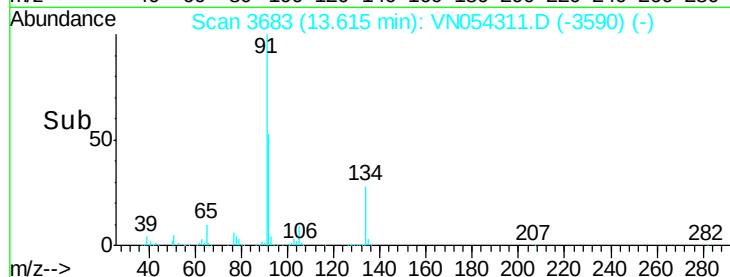
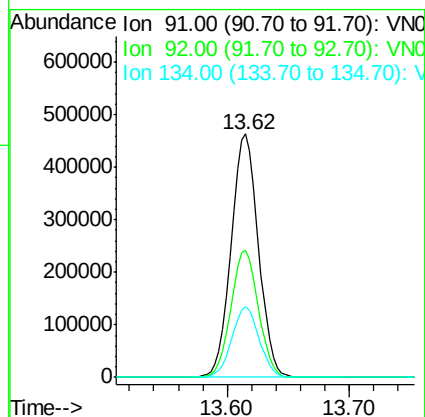
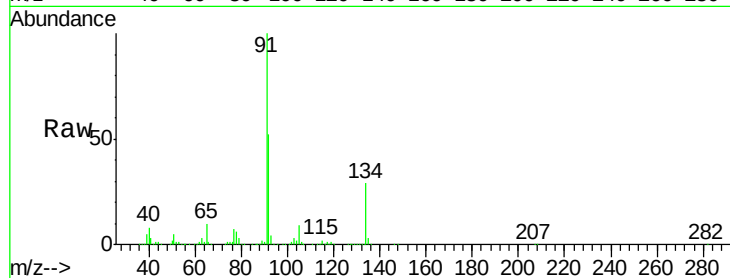
Tot Ion: 91 Resp: 721472

Ion Ratio Lower Upper

91 100

92 52.7 26.2 78.6

134 29.0 14.3 42.9



#90

Hexachloroethane

Concen: 15.839 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN054311.D

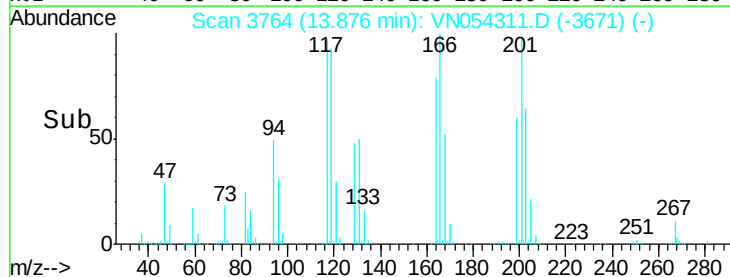
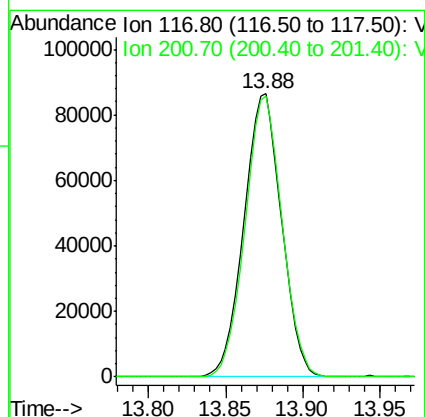
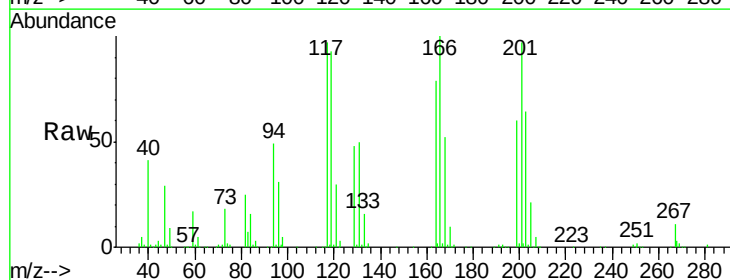
Acq: 15 Mar 2019 15:58

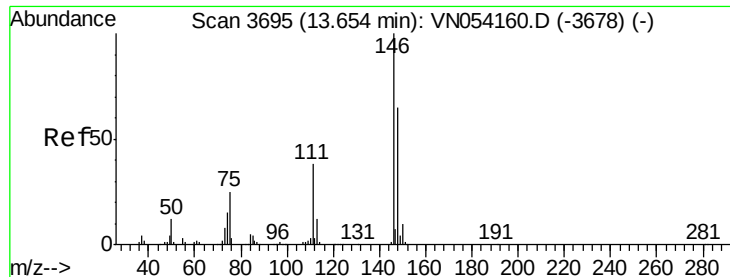
Tgt Ion: 117 Resp: 146243

Ion Ratio Lower Upper

117 100

201 97.7 48.1 144.4

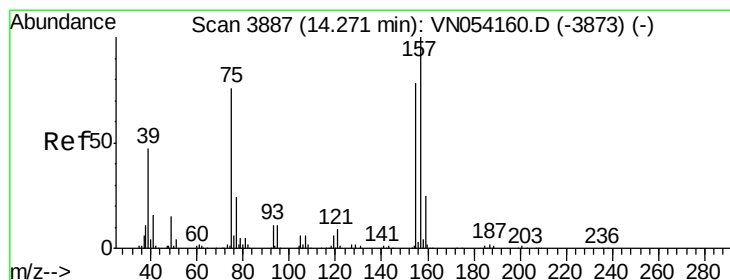
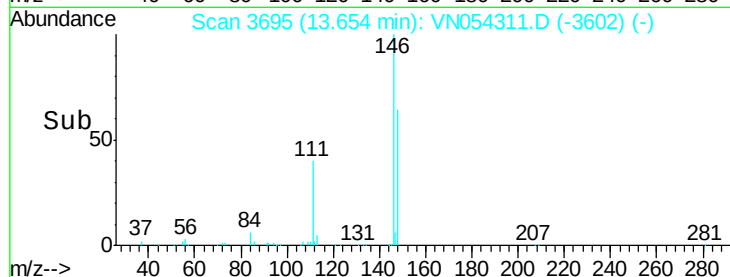
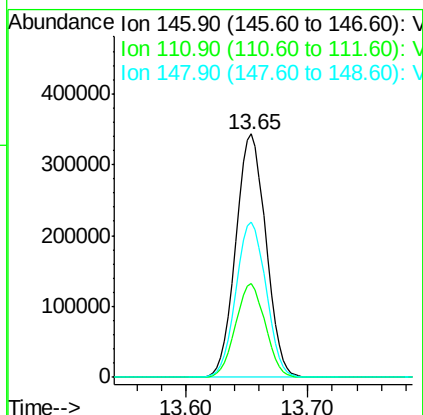
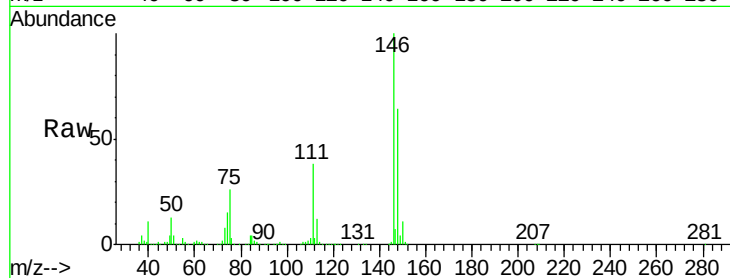




#91
 1,2-Dichlorobenzene
 Concen: 21.012 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

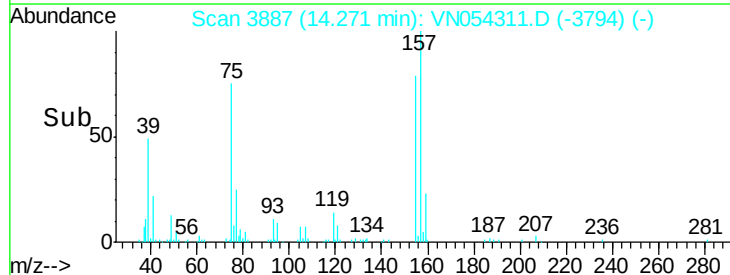
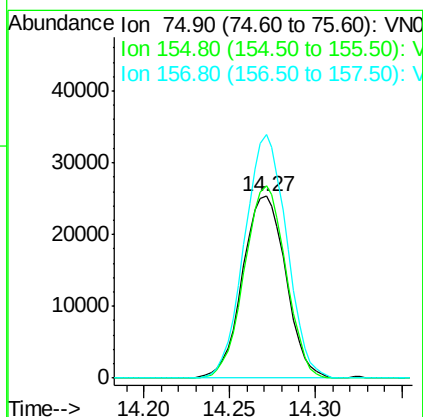
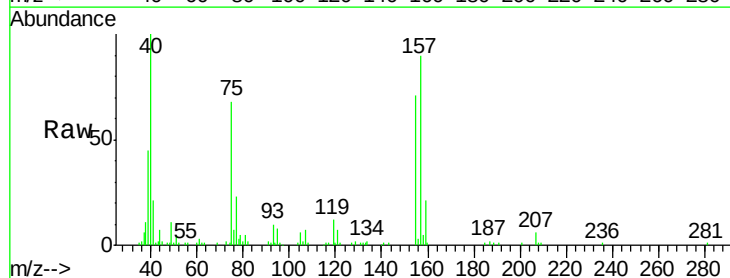
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

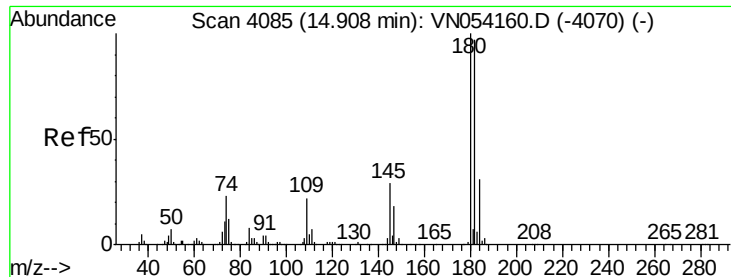
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	64.0	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.012 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.2	50.1	150.3
157	130.3	63.1	189.3

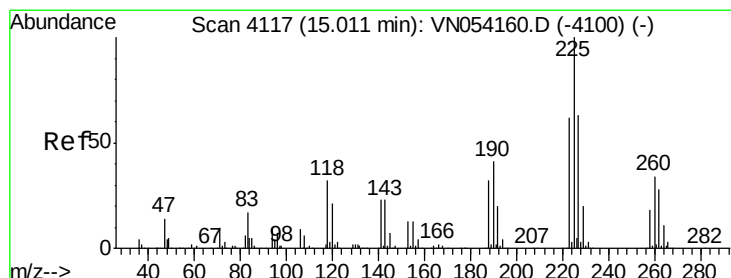
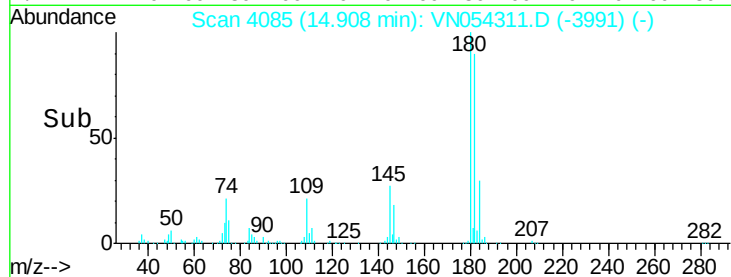
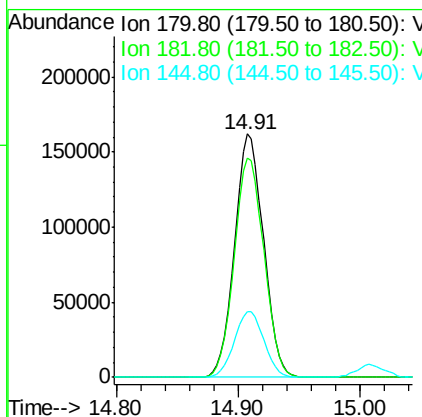
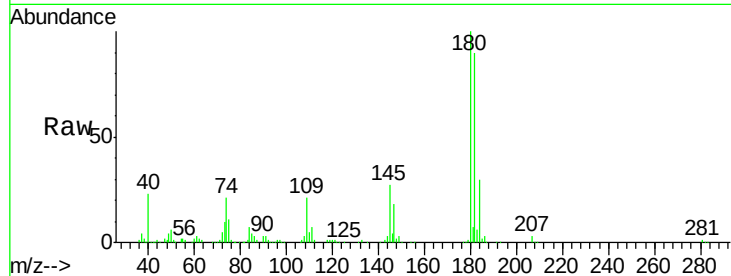




#93
 1,2,4-Trichlorobenzene
 Concen: 17.533 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

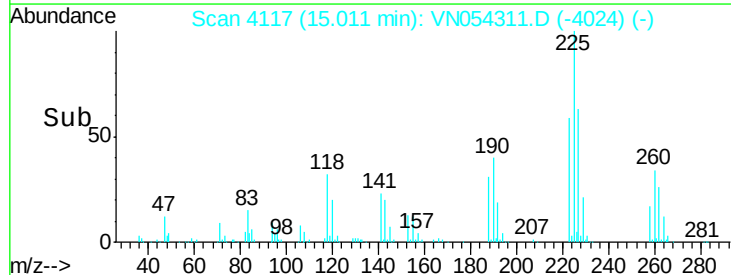
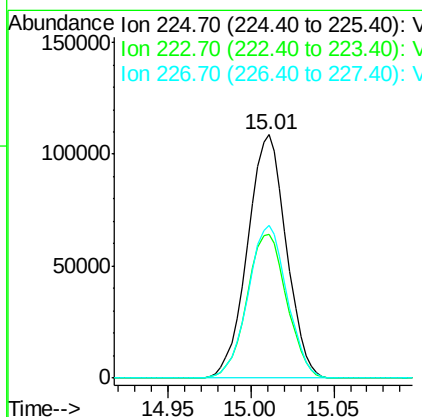
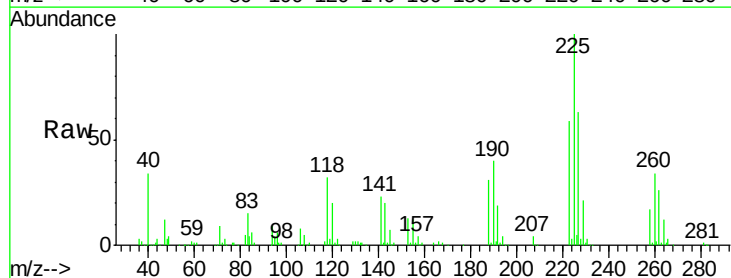
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

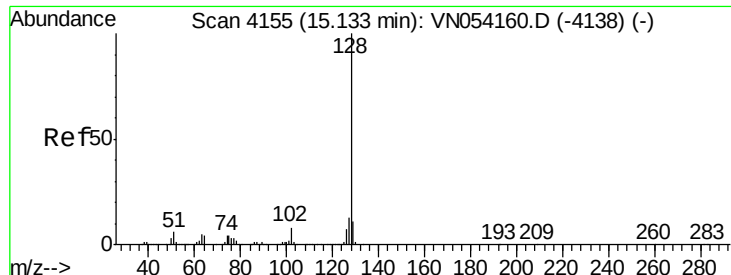
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	48.0	144.2
145	27.5	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 16.593 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	31.1	93.5
227	63.2	31.9	95.9





#95

Naphthalene

Concen: 19.690 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

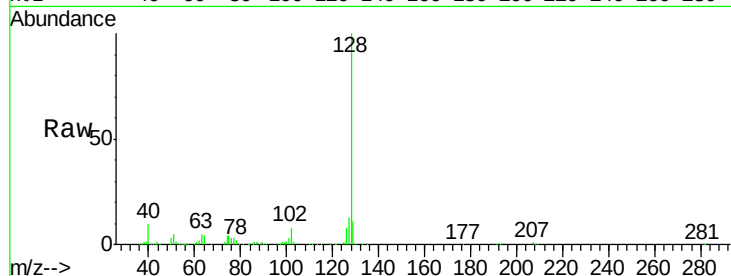
Tot Ion:128 Resp: 611662

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

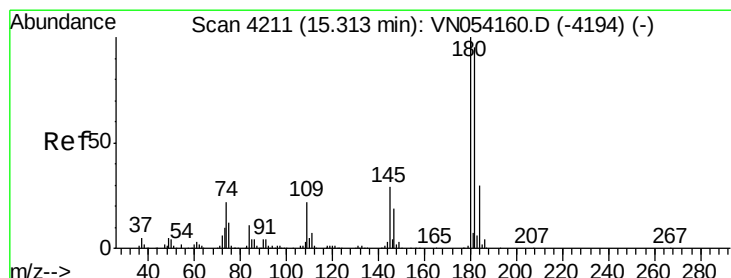
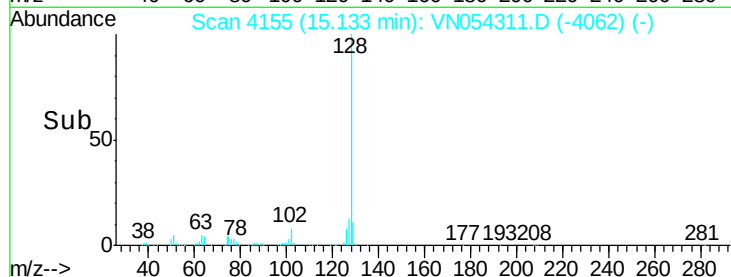
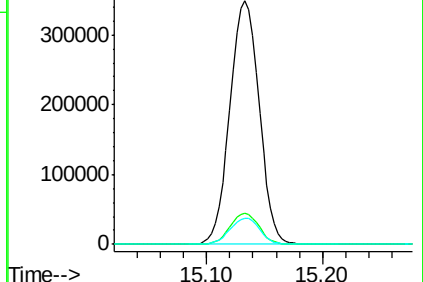
129 10.9 8.7 13.1



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: 18.539 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

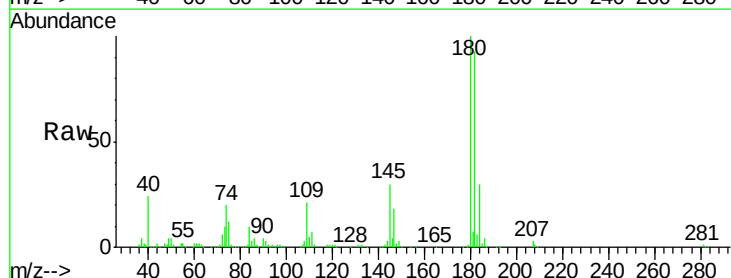
Tgt Ion:180 Resp: 274856

Ion Ratio Lower Upper

180 100

182 95.6 47.5 142.6

145 30.3 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

