

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054143.D
 Acq On : 11 Mar 2019 16:13
 Operator : JC/SP
 Sample : VN0311WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Quant Time: Mar 12 03:22:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031119W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 12 00:55:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1797596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2616119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2257619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1024741	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	918876	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
35) Dibromofluoromethane	7.59	113	834217	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	10.09	98	3071446	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.40	95	1027631	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	266944	18.021	ug/l	100
3) Chloromethane	2.06	50	309273	17.544	ug/l	99
4) Vinyl Chloride	2.19	62	352426	17.738	ug/l	98
5) Bromomethane	2.58	94	254542	18.688	ug/l	97
6) Chloroethane	2.71	64	219500	17.768	ug/l	100
7) Trichlorofluoromethane	3.03	101	500261	18.272	ug/l	100
8) Diethyl Ether	3.41	74	194111	17.617	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.75	101	333398	18.911	ug/l	96
10) Methyl Iodide	3.95	142	381036	16.913	ug/l	97
11) Tert butyl alcohol	4.82	59	111513	84.020	ug/l #	94
12) 1,1-Dichloroethene	3.73	96	316077	18.556	ug/l	90
13) Acrolein	3.61	56	88103	81.826	ug/l	98
14) Allyl chloride	4.32	41	425738	17.244	ug/l	87
15) Acrylonitrile	5.00	53	454615	84.776	ug/l	96
16) Acetone	3.82	43	467106	85.770	ug/l	95
17) Carbon Disulfide	4.04	76	766265	17.430	ug/l	100
18) Methyl Acetate	4.33	43	208217	16.850	ug/l	94
19) Methyl tert-butyl Ether	5.06	73	816087	17.623	ug/l	95
20) Methylene Chloride	4.55	84	306101	17.705	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	301742	18.039	ug/l	96
22) Diisopropyl ether	5.96	45	823459	18.059	ug/l	94
23) Vinyl Acetate	5.90	43	2995120	86.991	ug/l	95
24) 1,1-Dichloroethane	5.85	63	533045	18.032	ug/l	99
25) 2-Butanone	6.85	43	549399	85.669	ug/l	95
26) 2,2-Dichloropropane	6.82	77	499558	18.300	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	353006	18.449	ug/l	94
28) Bromochloromethane	7.19	49	224367	17.453	ug/l #	73
29) Tetrahydrofuran	7.22	42	342019	83.006	ug/l	89
30) Chloroform	7.37	83	568216	18.152	ug/l	98
31) Cyclohexane	7.65	56	493630	19.115	ug/l #	85
32) 1,1,1-Trichloroethane	7.57	97	510045	18.001	ug/l	97
36) 1,1-Dichloropropene	7.79	75	426703	18.741	ug/l	97
37) Ethyl Acetate	6.94	43	237018	16.053	ug/l	97
38) Carbon Tetrachloride	7.77	117	449351	17.803	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	526869	18.796	ug/l	93
40) Benzene	8.04	78	1241383	18.974	ug/l	100
41) Methacrylonitrile	7.18	41	126382	16.440	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	420935	18.661	ug/l	99
43) Isopropyl Acetate	8.17	43	428997	17.479	ug/l #	88
44) Trichloroethene	8.83	130	388896	19.261	ug/l	97
45) 1,2-Dichloropropane	9.12	63	312308	18.680	ug/l	99
46) Dibromomethane	9.21	93	208621	18.393	ug/l	93
47) Bromodichloromethane	9.40	83	434254	18.470	ug/l	99
48) Methyl methacrylate	9.20	41	222947	16.896	ug/l	96
49) 1,4-Dioxane	9.21	88	56203	328.303	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	1093346	83.053	ug/l	97
52) Toluene	10.16	92	770197	18.386	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	427183	17.844	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	490368	18.240	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	285681	18.089	ug/l	97
56) Ethyl methacrylate	10.43	69	324892	16.807	ug/l	94
57) 1,3-Dichloropropane	10.71	76	462343	18.086	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	673353	94.345	ug/l #	90
59) 2-Hexanone	10.75	43	715623	81.911	ug/l	97
60) Dibromochloromethane	10.90	129	330098	18.044	ug/l	99
61) 1,2-Dibromoethane	11.01	107	289299	18.229	ug/l	99
64) Tetrachloroethene	10.63	164	396906	19.094	ug/l	98
65) Chlorobenzene	11.43	112	905889	18.938	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	337709	18.766	ug/l	99
67) Ethyl Benzene	11.51	91	1484956	18.675	ug/l	97
68) m/p-Xylenes	11.62	106	1167480	37.546	ug/l	98
69) o-Xylene	11.95	106	572915	18.770	ug/l	98
70) Styrene	11.96	104	882922	18.674	ug/l	99
71) Bromoform	12.13	173	221343	17.748	ug/l #	99
73) Isopropylbenzene	12.25	105	1550056	19.018	ug/l	98
74) N-amyl acetate	12.07	43	308683	16.628	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	312737	17.731	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	391912	27.082	ug/l #	100
77) Bromobenzene	12.53	156	388797	18.326	ug/l	88
78) n-propylbenzene	12.59	91	1664936	19.089	ug/l	95
79) 2-Chlorotoluene	12.67	91	992500	18.590	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1271631	18.821	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	76483	15.733	ug/l	96
82) 4-Chlorotoluene	12.77	91	979123	18.811	ug/l	97
83) tert-Butylbenzene	12.99	119	1185324	18.996	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1263067	19.091	ug/l	98
85) sec-Butylbenzene	13.17	105	1544163	19.098	ug/l	97
86) p-Isopropyltoluene	13.29	119	1341877	19.020	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	659733	18.609	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	644399	18.408	ug/l	99
89) n-Butylbenzene	13.61	91	1026908	18.979	ug/l	98
90) Hexachloroethane	13.88	117	222616	17.670	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	646867	18.584	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47913	15.777	ug/l	89

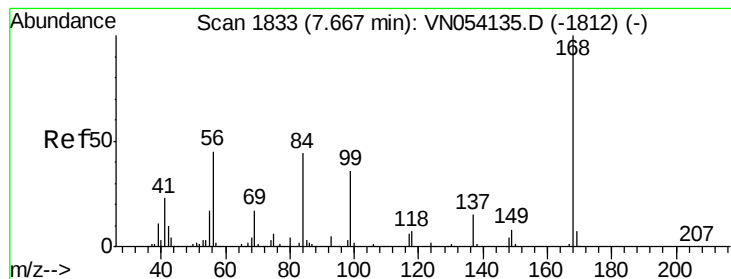
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	336177	18.619	ug/l	99
94) Hexachlorobutadiene	15.01	225	270070	19.618	ug/l	99
95) Naphthalene	15.13	128	633349	16.533	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	340574	18.616	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

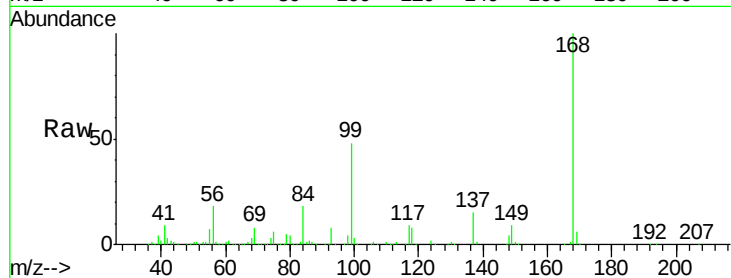
VN0311WBS01

Tot Ion:168 Resp: 1797596

Ion Ratio Lower Upper

168 100

99 47.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

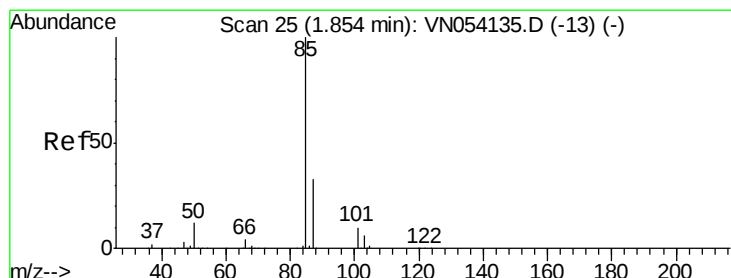
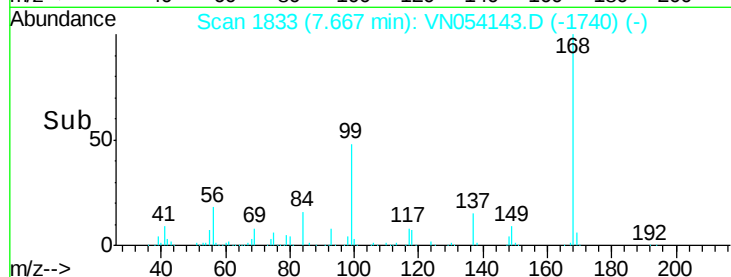
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 18.021 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054143.D

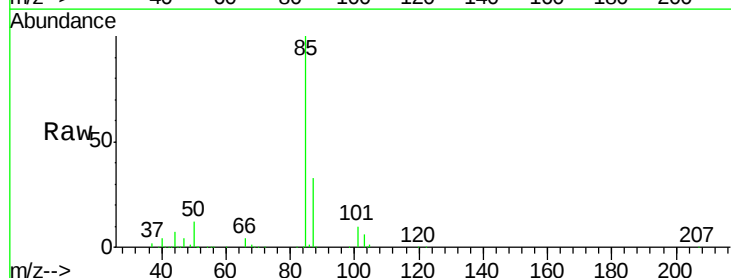
Acq: 11 Mar 2019 16:13

Tgt Ion: 85 Resp: 266944

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

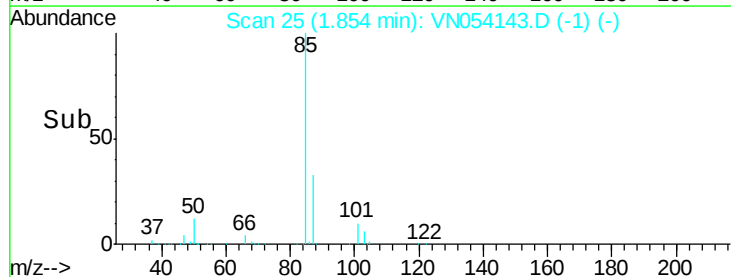
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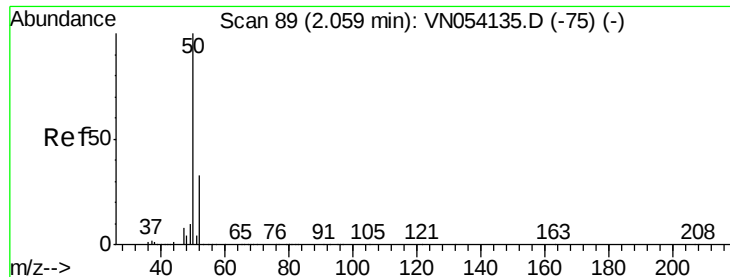
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 17.544 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

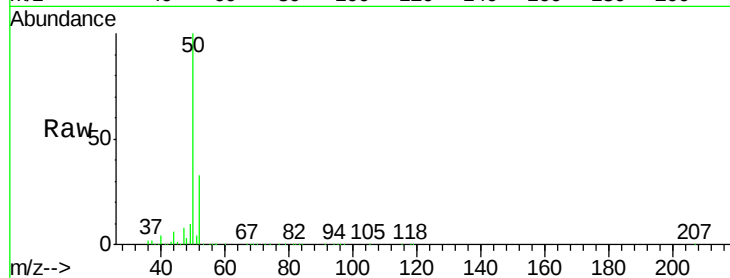
VN0311WBS01

Tot Ion: 50 Resp: 309273

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

200000

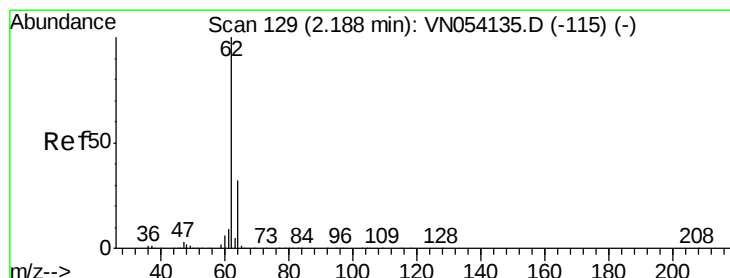
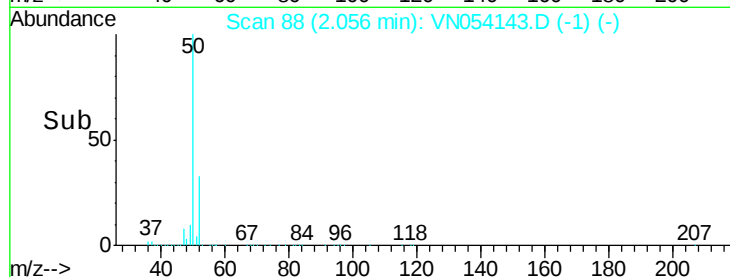
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 17.738 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054143.D

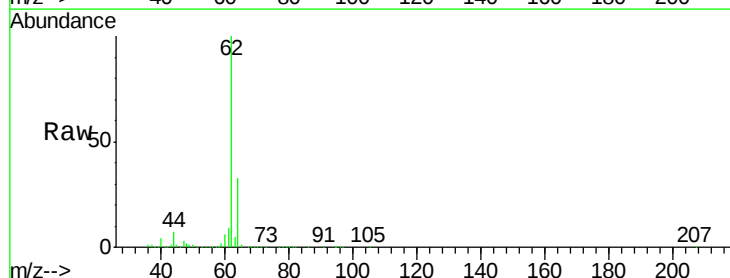
Acq: 11 Mar 2019 16:13

Tgt Ion: 62 Resp: 352426

Ion Ratio Lower Upper

62 100

64 32.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

250000

200000

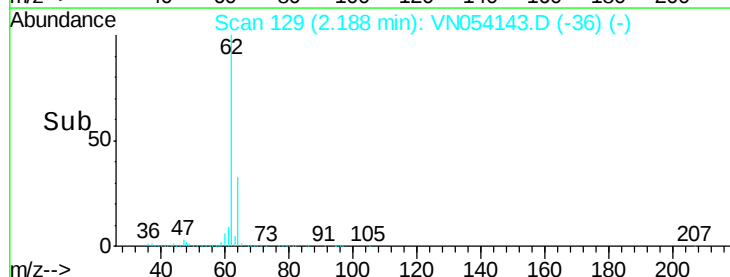
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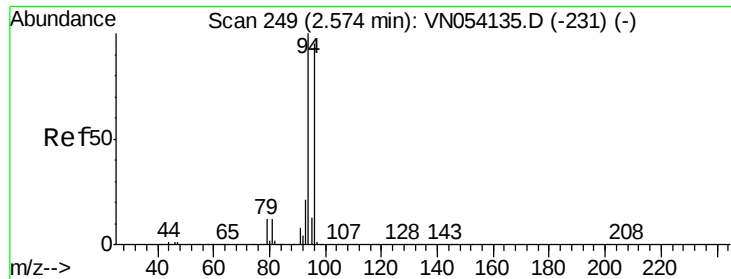
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.688 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

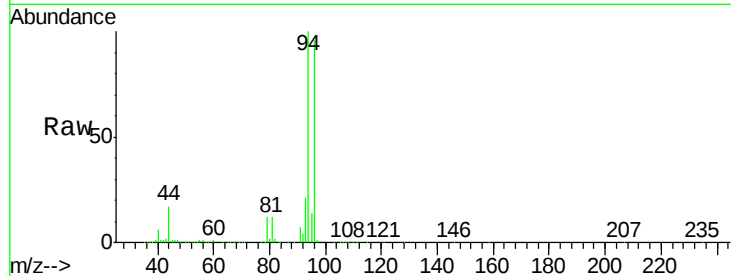
VN0311WBS01

Tot Ion: 94 Resp: 254542

Ion Ratio Lower Upper

94 100

96 96.0 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.58

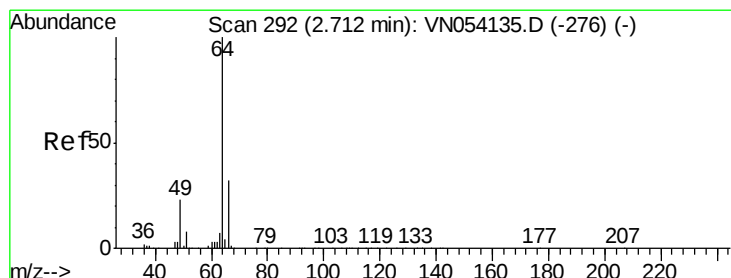
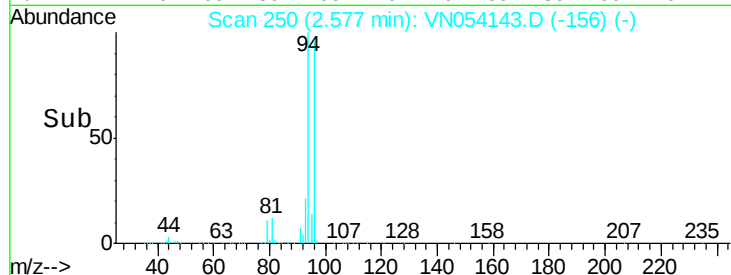
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 17.768 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054143.D

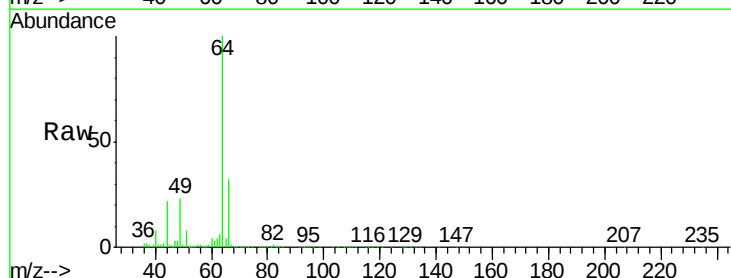
Acq: 11 Mar 2019 16:13

Tgt Ion: 64 Resp: 219500

Ion Ratio Lower Upper

64 100

66 31.9 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

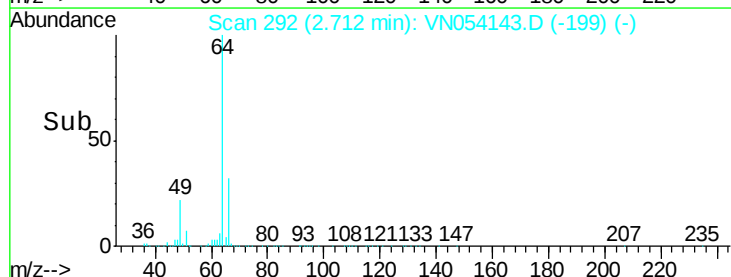
2.71

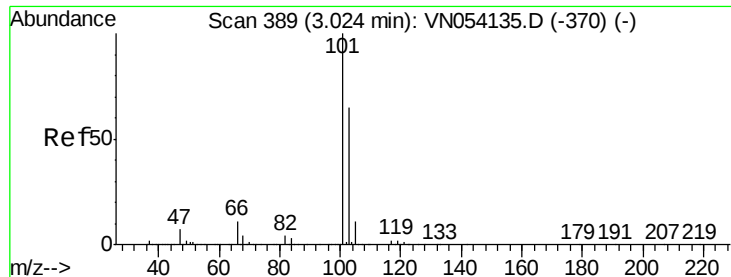
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Time-->



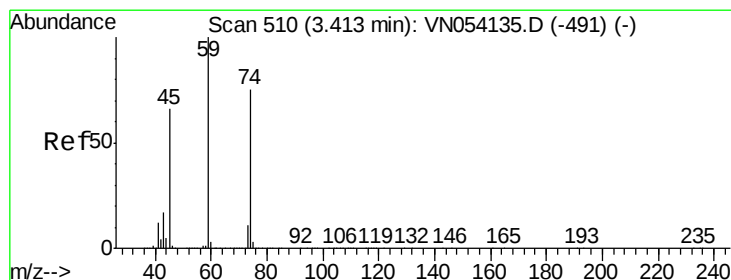
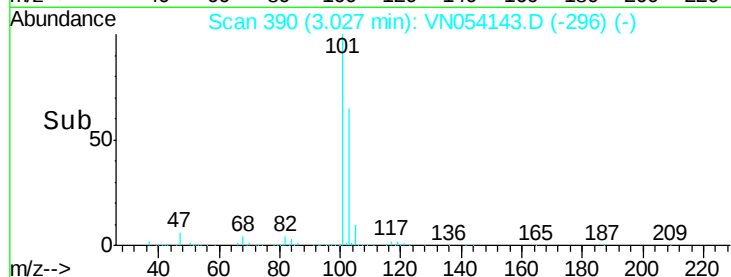
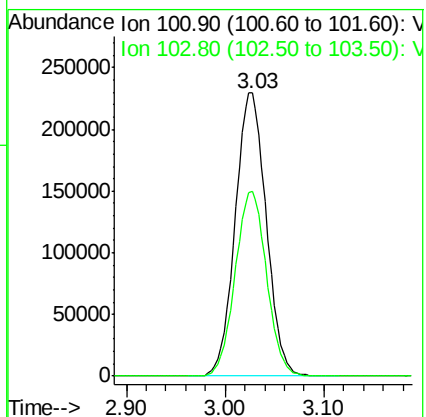
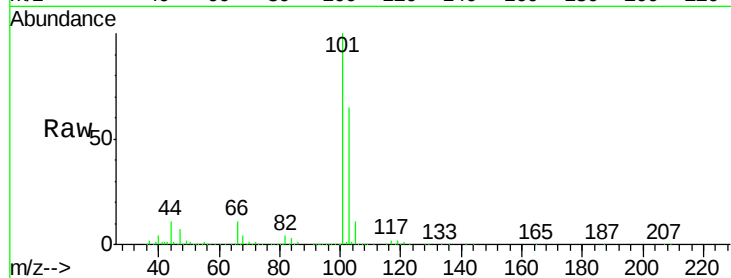


#7

Trichlorofluoromethane
 Concen: 18.272 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN054143.D
 Acq: 11 Mar 2019 16:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0311WBS01

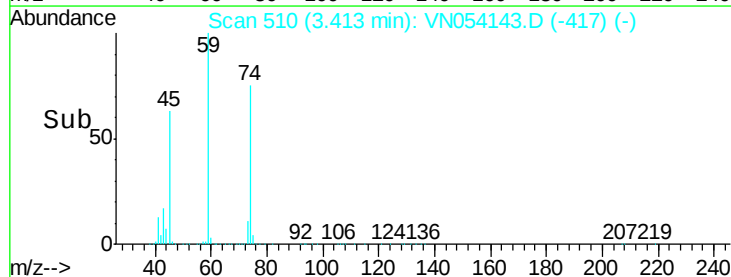
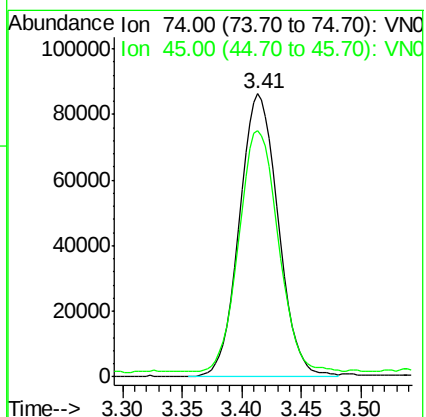
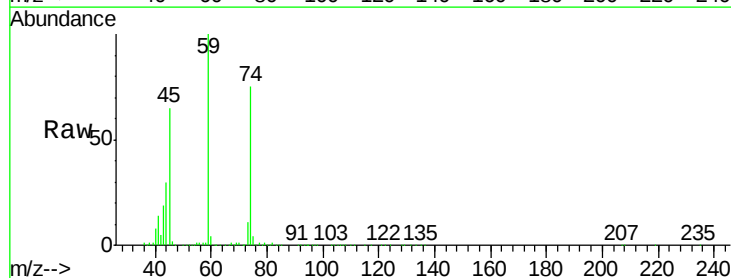
Tot Ion:101 Resp: 500261
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.0 78.0

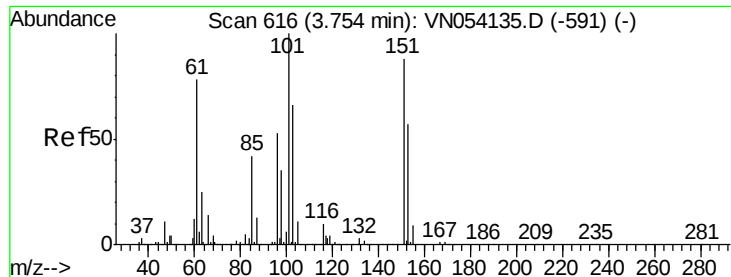


#8

Diethyl Ether
 Concen: 17.617 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054143.D
 Acq: 11 Mar 2019 16:13

Tgt Ion: 74 Resp: 194111
 Ion Ratio Lower Upper
 74 100
 45 86.6 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.911 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VN0311WBS01

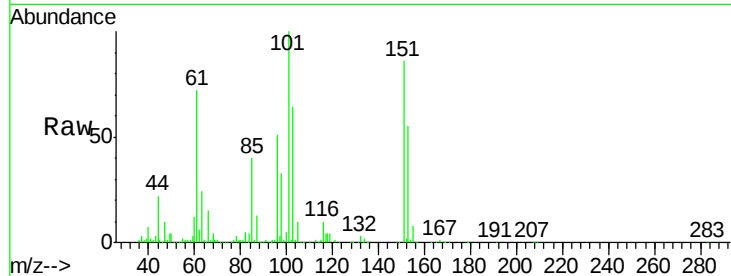
Tot Ion:101 Resp: 333398

Ion Ratio Lower Upper

101 100

85 40.4 33.1 49.7

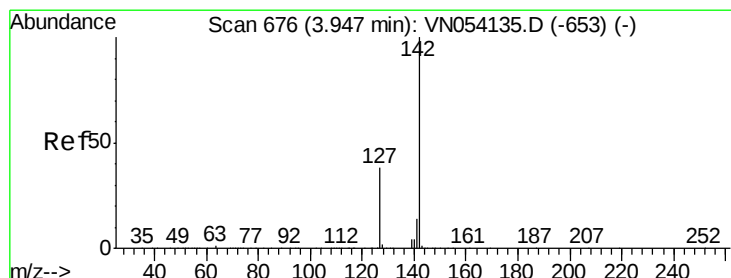
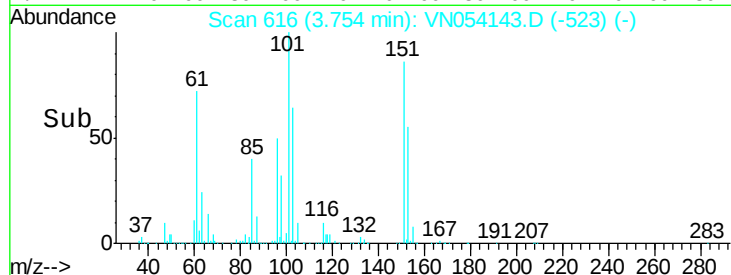
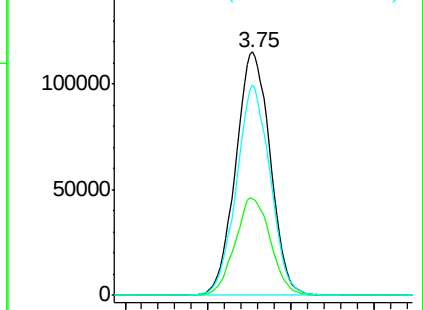
151 84.6 64.3 96.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.913 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

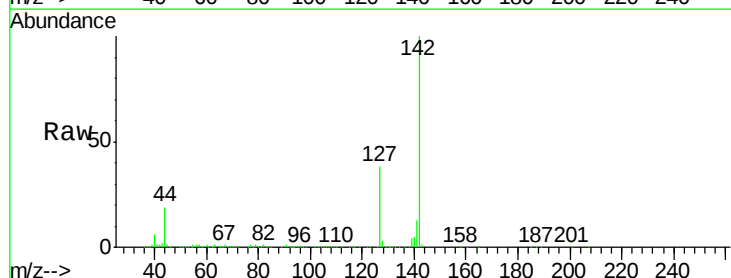
Tgt Ion:142 Resp: 381036

Ion Ratio Lower Upper

142 100

127 37.6 31.9 47.9

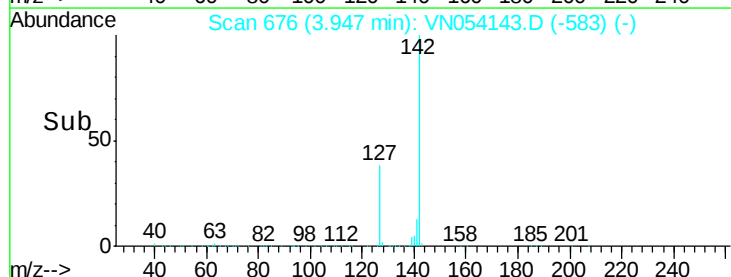
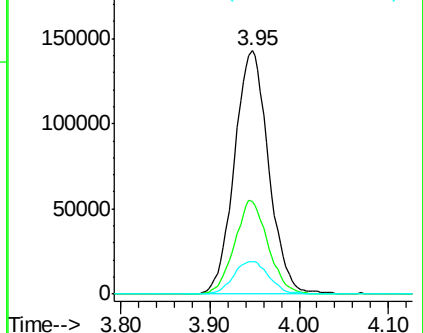
141 13.9 11.4 17.0

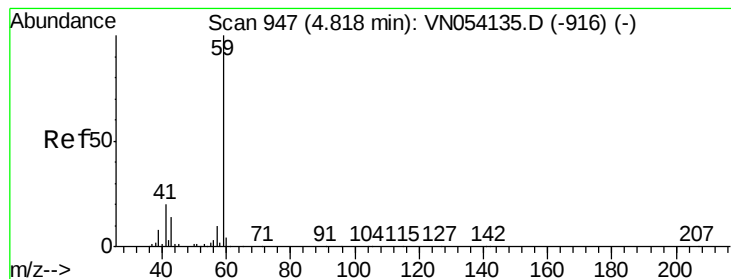


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 84.020 ug/l

RT: 4.82 min Scan# 946

Delta R.T. -0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

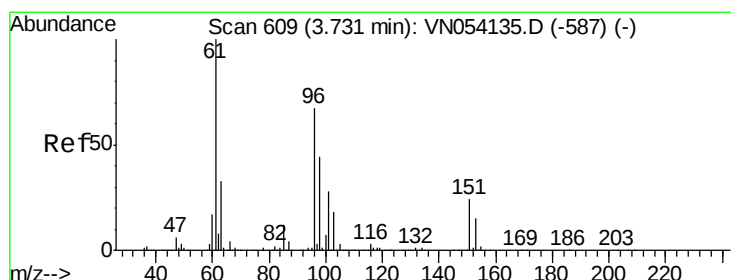
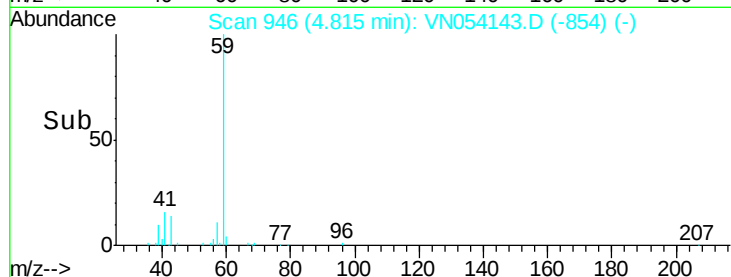
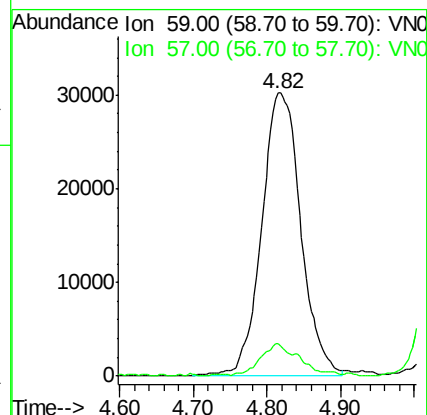
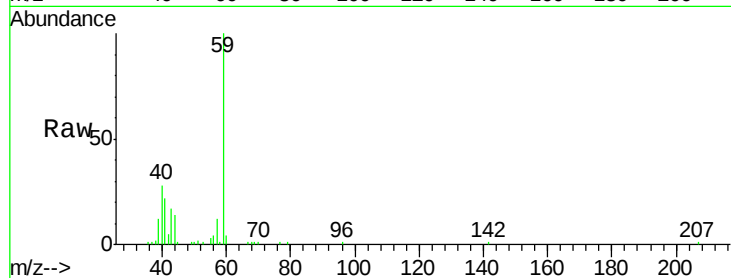
VN0311WBS01

Tot Ion: 59 Resp: 111513

Ion Ratio Lower Upper

59 100

57 8.1 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 18.556 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

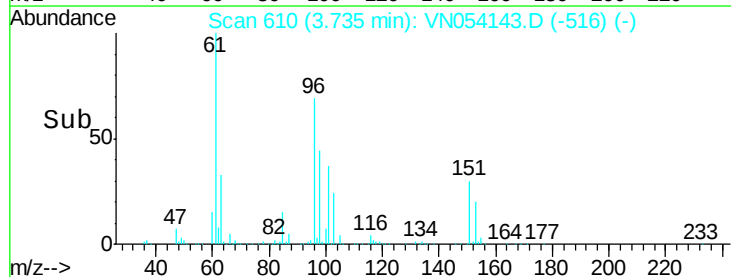
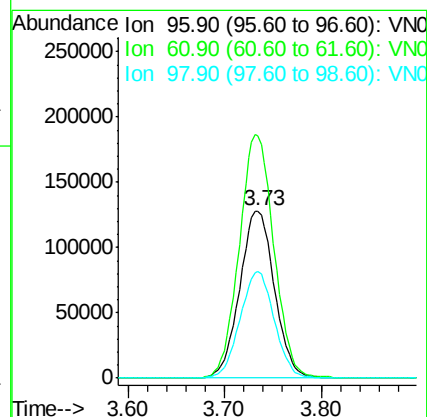
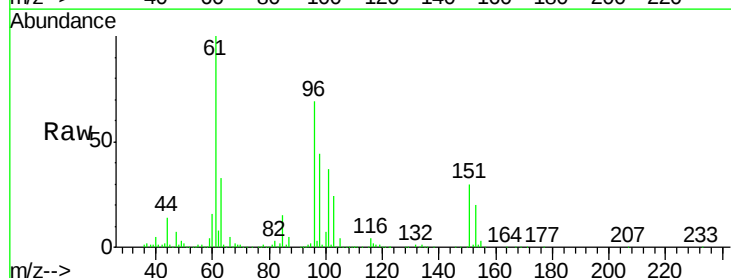
Tgt Ion: 96 Resp: 316077

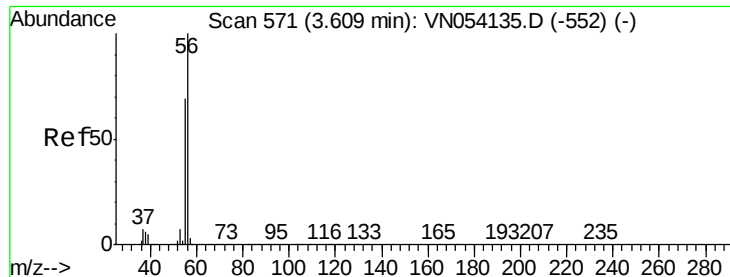
Ion Ratio Lower Upper

96 100

61 145.5 131.2 196.8

98 64.1 50.7 76.1





#13

Acrolein

Concen: 81.826 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

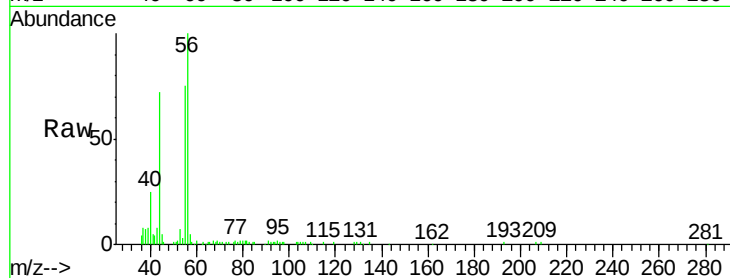
VN0311WBS01

Tot Ion: 56 Resp: 88103

Ion Ratio Lower Upper

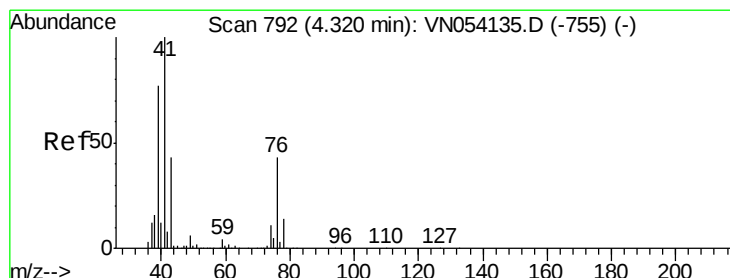
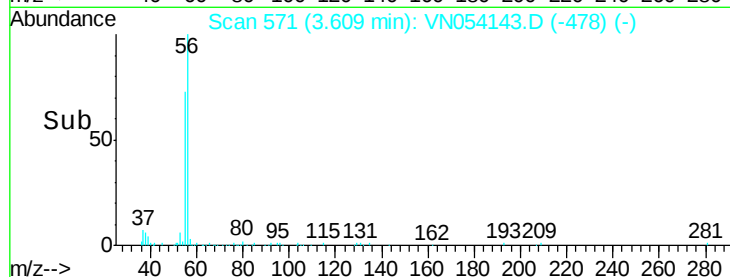
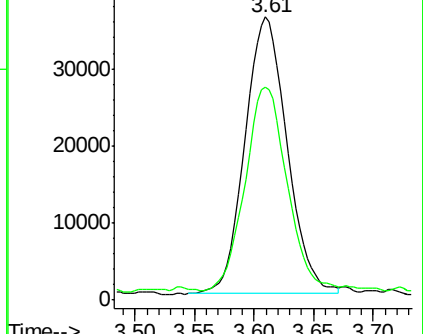
56 100

55 73.1 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.244 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

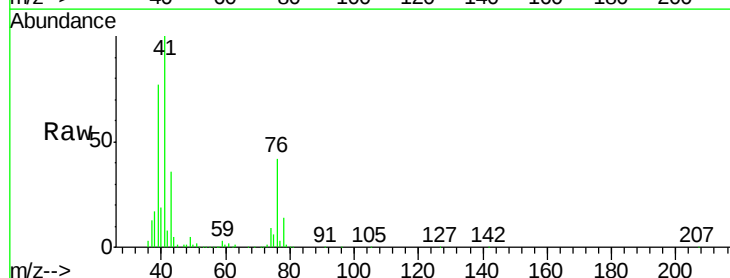
Tgt Ion: 41 Resp: 425738

Ion Ratio Lower Upper

41 100

39 72.6 49.3 73.9

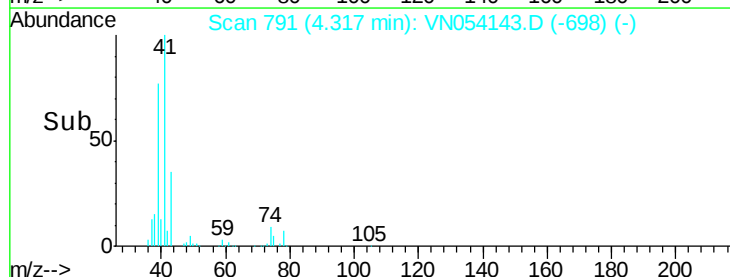
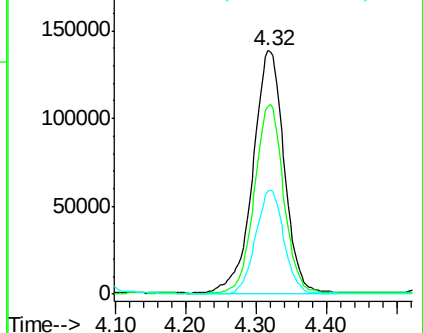
76 38.5 26.5 39.7

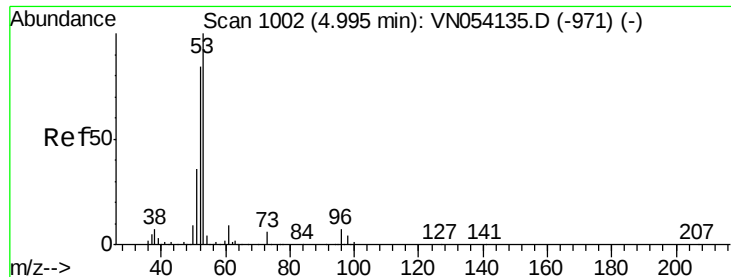


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 84.776 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VN0311WBS01

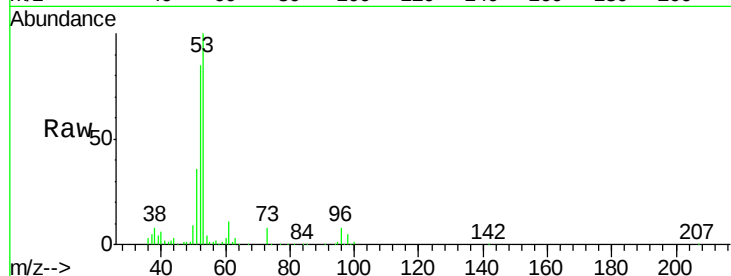
Tot Ion: 53 Resp: 454615

Ion Ratio Lower Upper

53 100

52 84.5 64.6 97.0

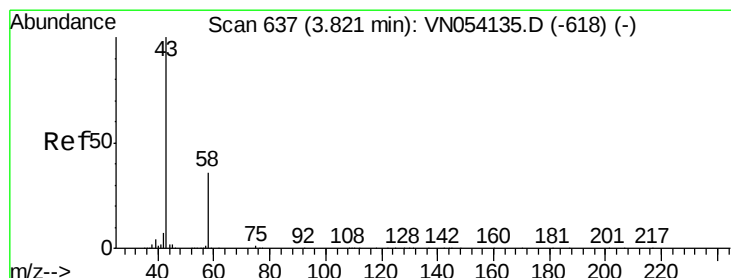
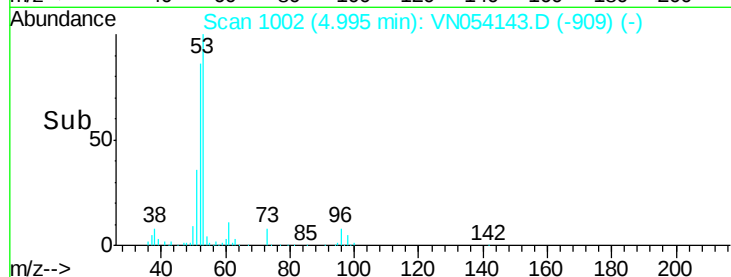
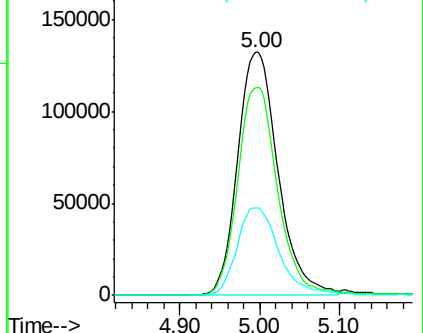
51 37.8 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 85.770 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054143.D

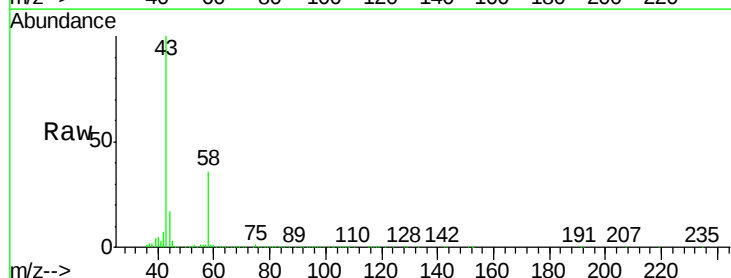
Acq: 11 Mar 2019 16:13

Tgt Ion: 43 Resp: 467106

Ion Ratio Lower Upper

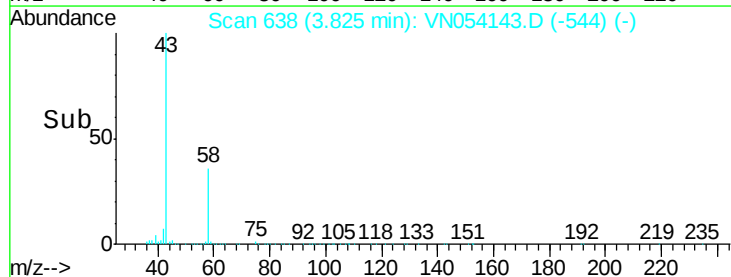
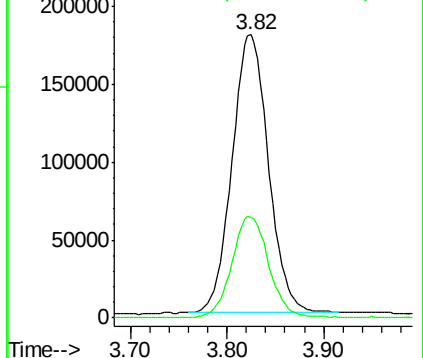
43 100

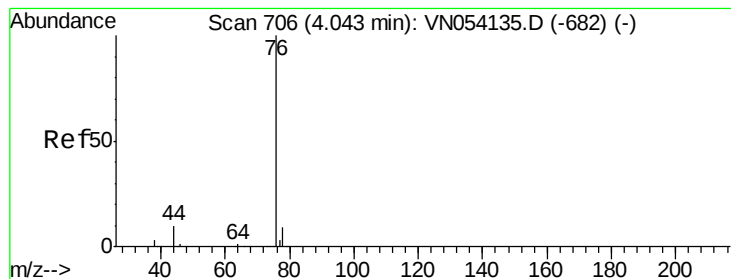
58 36.1 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.430 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

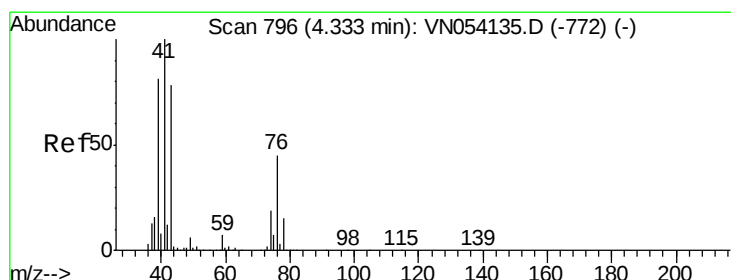
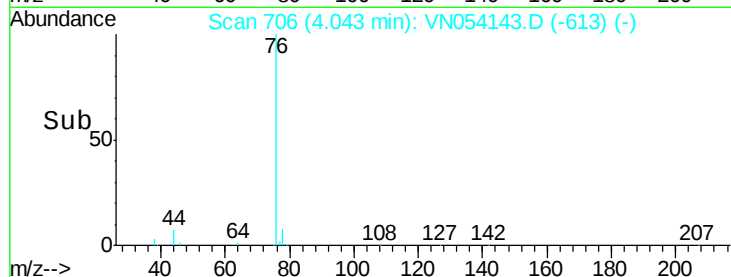
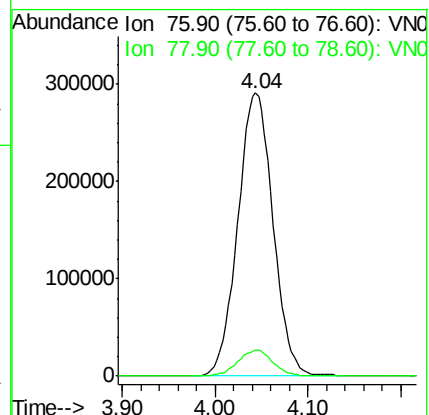
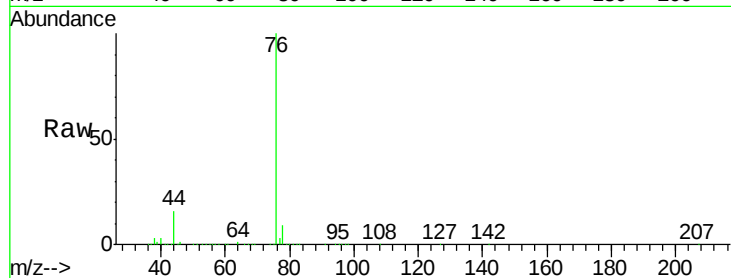
VN0311WBS01

Tot Ion: 76 Resp: 766265

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



#18

Methyl Acetate

Concen: 16.850 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054143.D

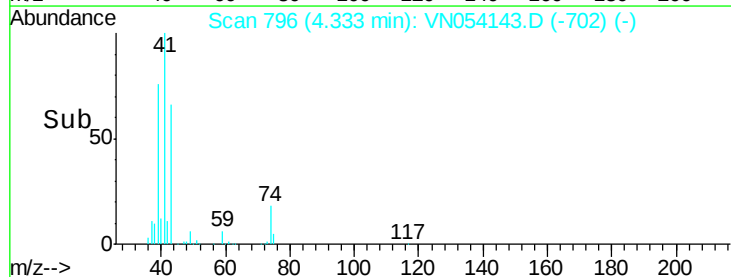
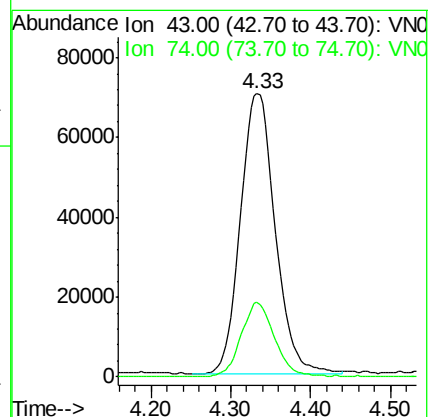
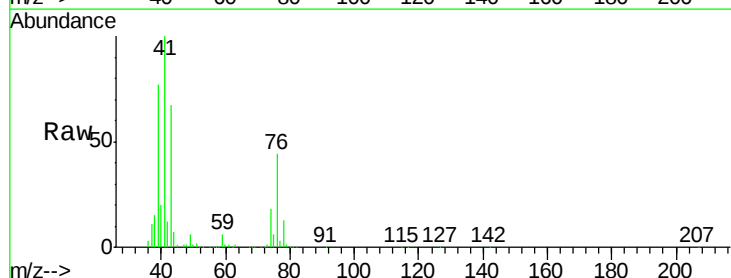
Acq: 11 Mar 2019 16:13

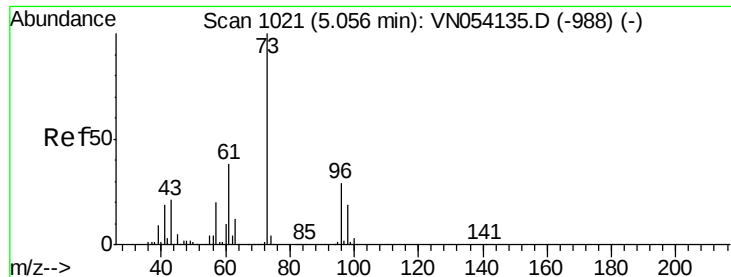
Tgt Ion: 43 Resp: 208217

Ion Ratio Lower Upper

43 100

74 25.4 18.2 27.2



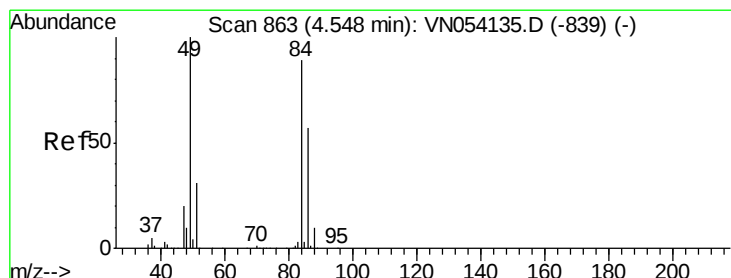
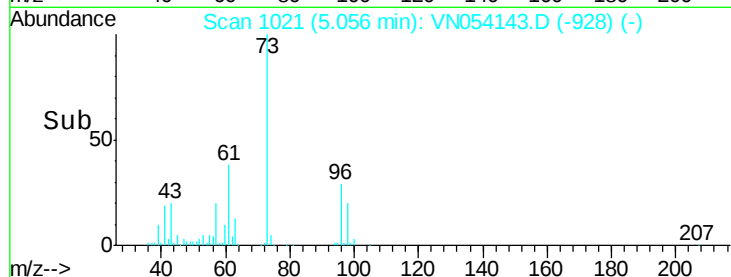
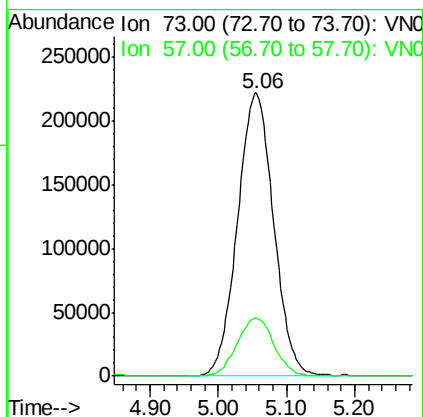
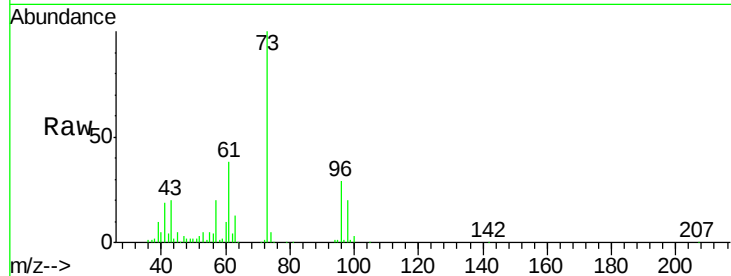


#19

Methyl tert-butyl Ether
 Concen: 17.623 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN054143.D
 Acq: 11 Mar 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

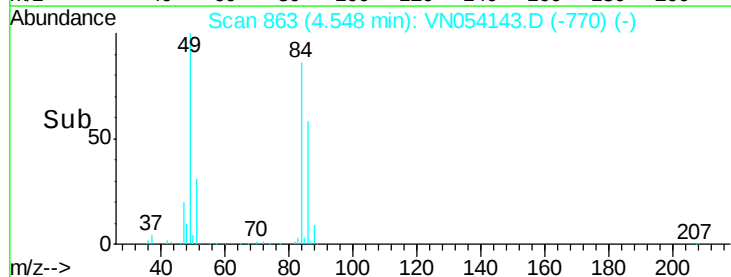
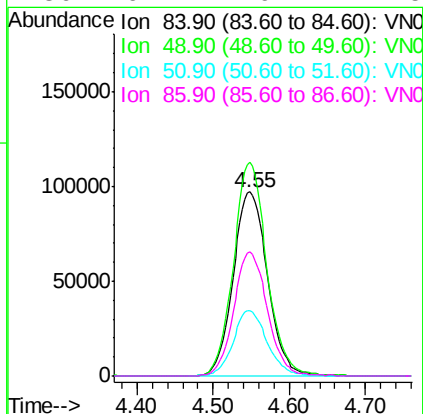
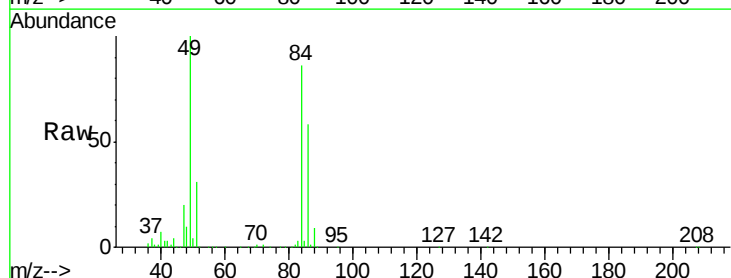
Tot Ion: 73 Resp: 816087
 Ion Ratio Lower Upper
 73 100
 57 20.4 18.2 27.4

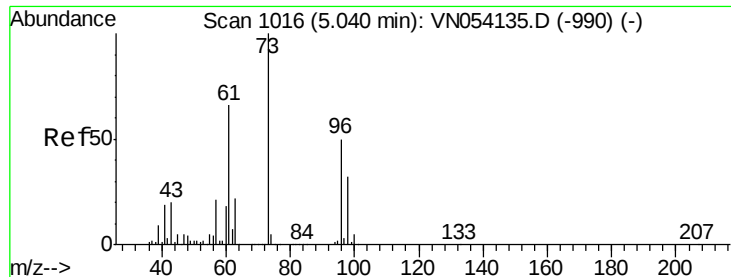


#20

Methylene Chloride
 Concen: 17.705 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VN054143.D
 Acq: 11 Mar 2019 16:13

Tgt Ion: 84 Resp: 306101
 Ion Ratio Lower Upper
 84 100
 49 115.9 101.8 152.8
 51 35.8 31.1 46.7
 86 67.1 49.7 74.5

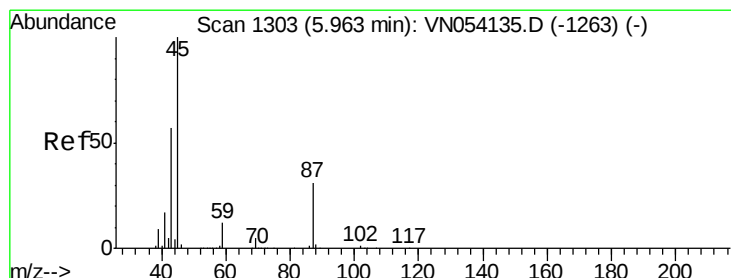
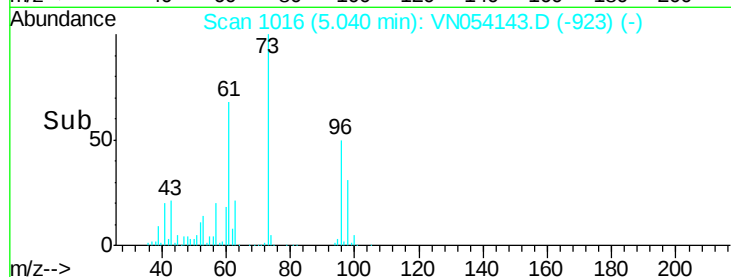
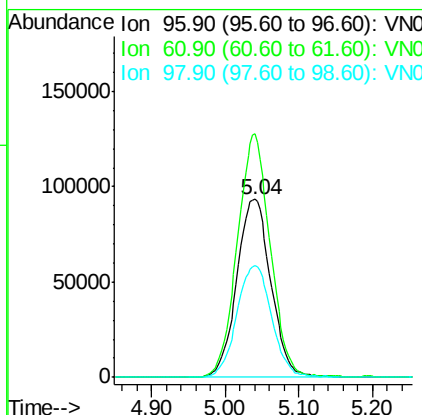
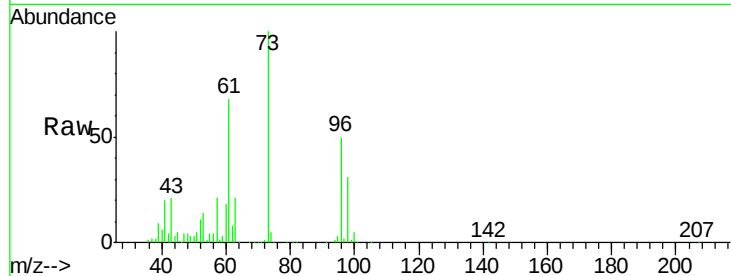




#21
trans-1,2-Dichloroethene
Concen: 18.039 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

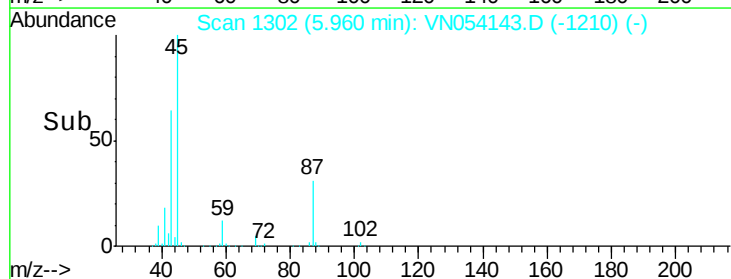
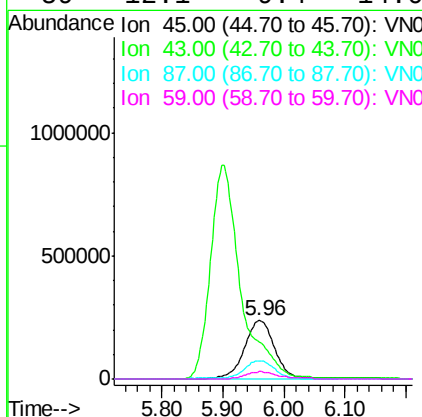
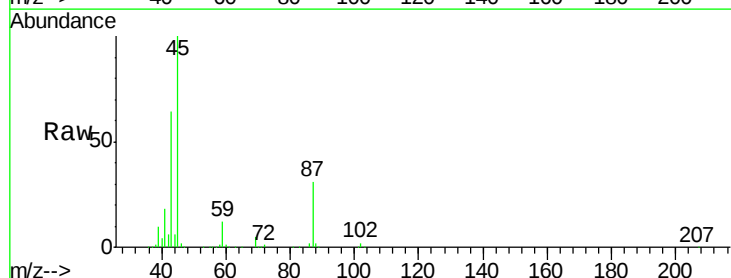
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

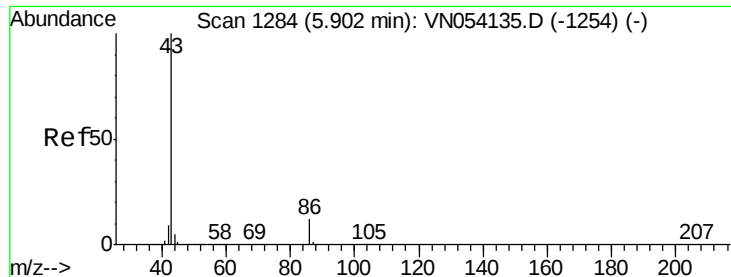
Tot Ion: 96 Resp: 301742
Ion Ratio Lower Upper
96 100
61 136.6 114.8 172.2
98 62.8 51.4 77.0



#22
Diisopropyl ether
Concen: 18.059 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

Tgt Ion: 45 Resp: 823459
Ion Ratio Lower Upper
45 100
43 61.8 46.2 69.4
87 30.8 20.6 31.0
59 12.1 9.4 14.0





#23

Vinyl Acetate

Concen: 86.991 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

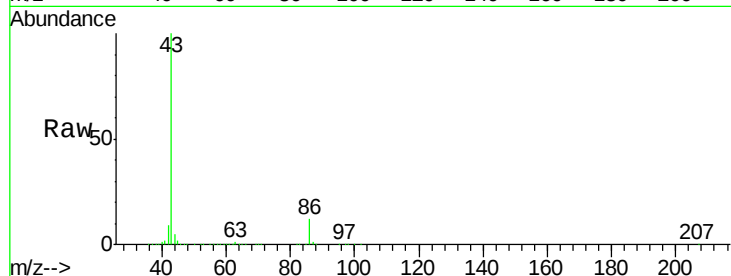
VN0311WBS01

Tot Ion: 43 Resp: 2995120

Ion Ratio Lower Upper

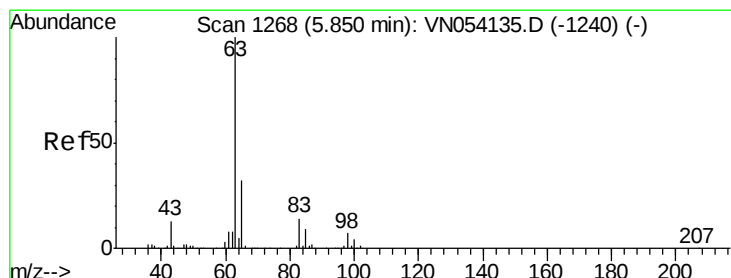
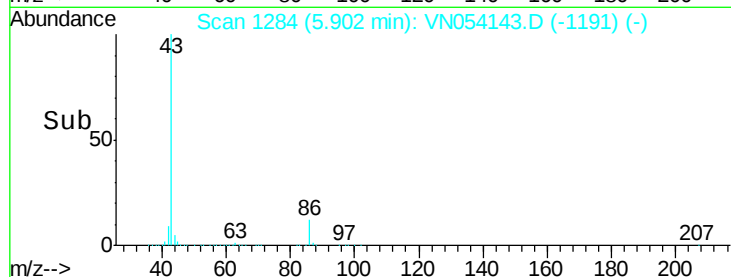
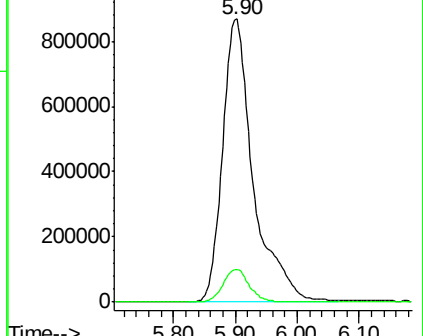
43 100

86 11.6 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.032 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

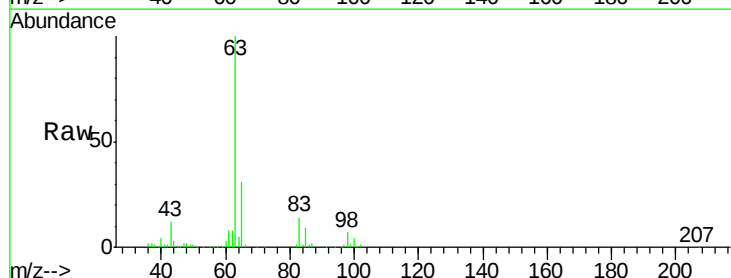
Tgt Ion: 63 Resp: 533045

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

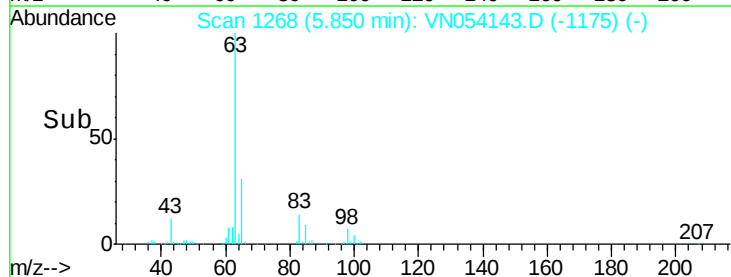
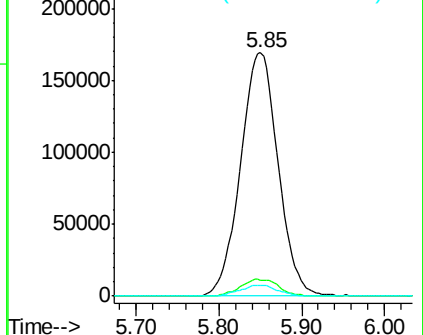
100 4.4 2.0 6.0

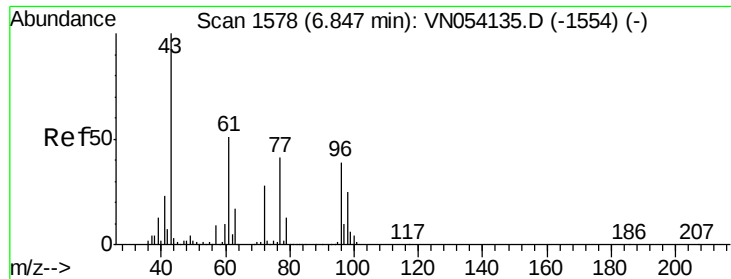


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 85.669 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

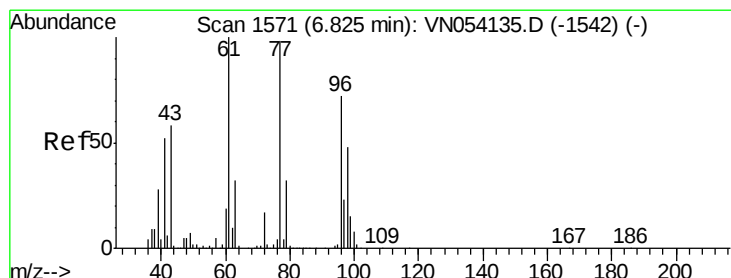
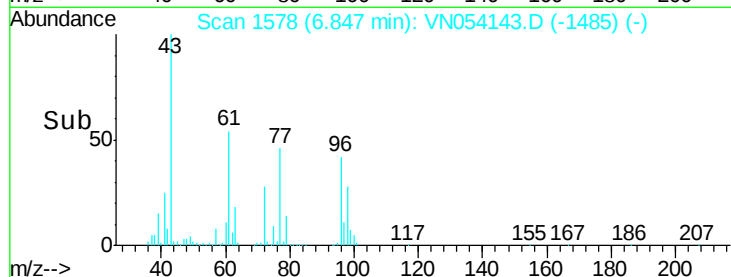
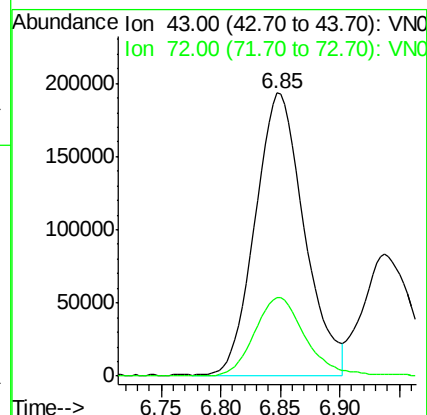
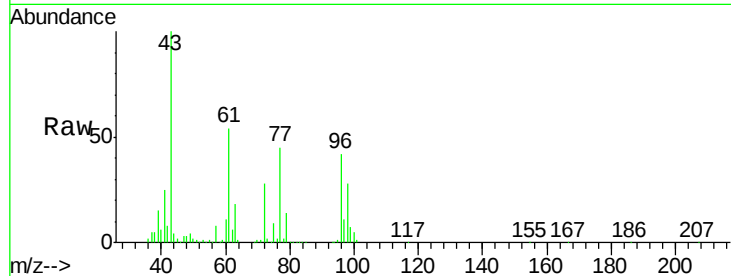
VN0311WBS01

Tot Ion: 43 Resp: 549399

Ion Ratio Lower Upper

43 100

72 27.8 20.2 30.2



#26

2,2-Dichloropropane

Concen: 18.300 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054143.D

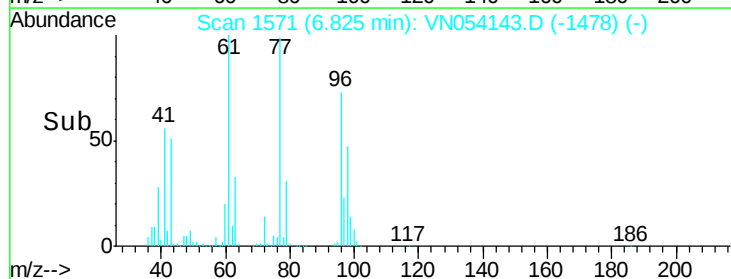
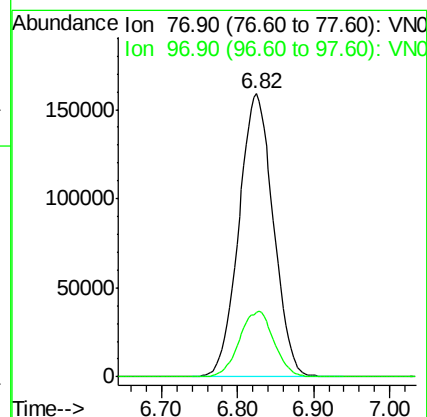
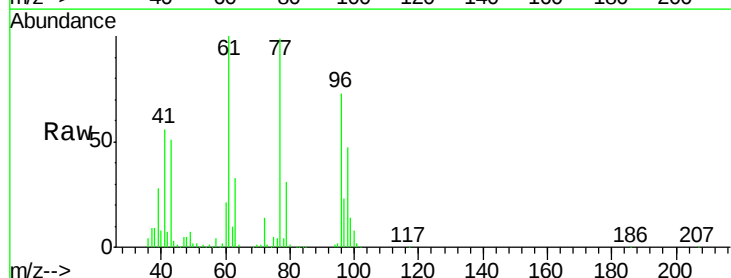
Acq: 11 Mar 2019 16:13

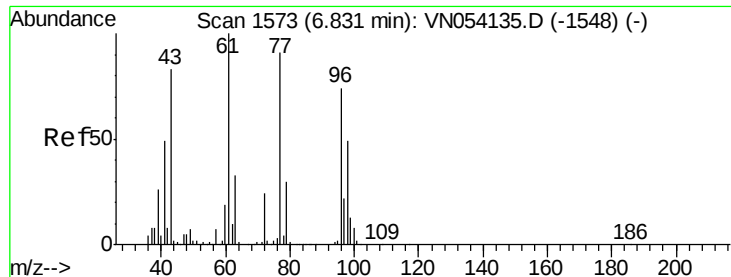
Tgt Ion: 77 Resp: 499558

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.449 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

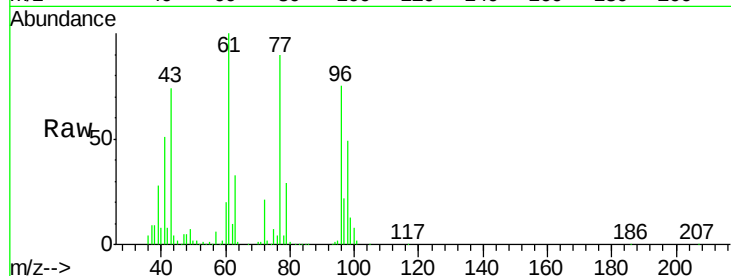
Tot Ion: 96 Resp: 353006

Ion Ratio Lower Upper

96 100

61 137.0 0.0 297.0

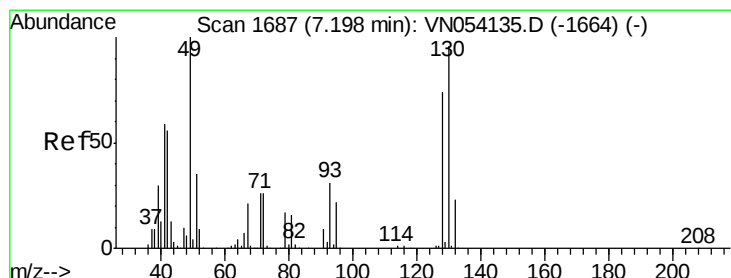
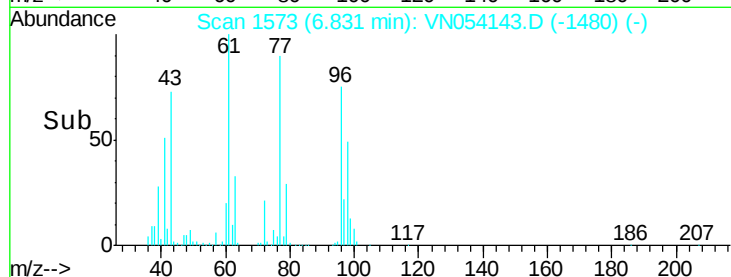
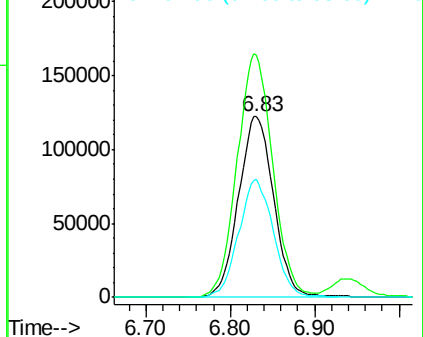
98 64.9 0.0 129.4



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: 17.453 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

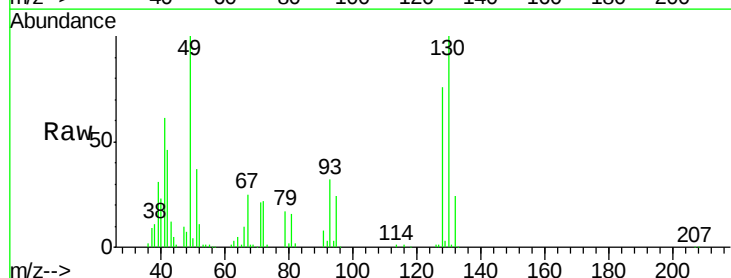
Tgt Ion: 49 Resp: 224367

Ion Ratio Lower Upper

49 100

129 2.6 0.0 3.8

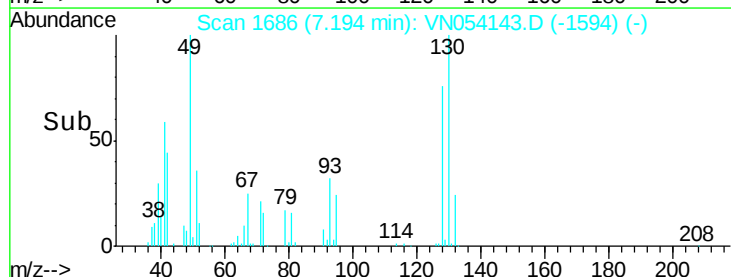
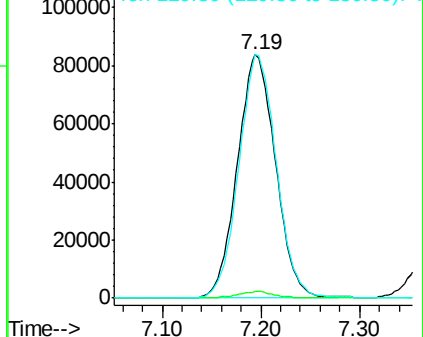
130 98.1 59.4 89.2#

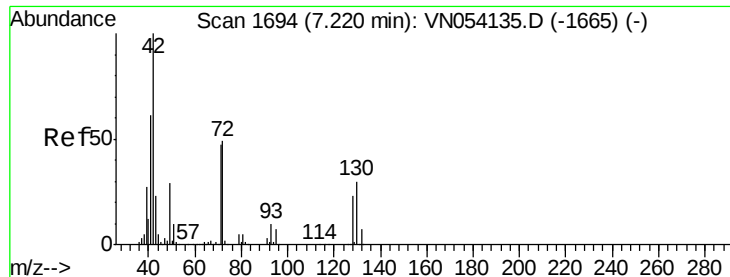


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 83.006 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

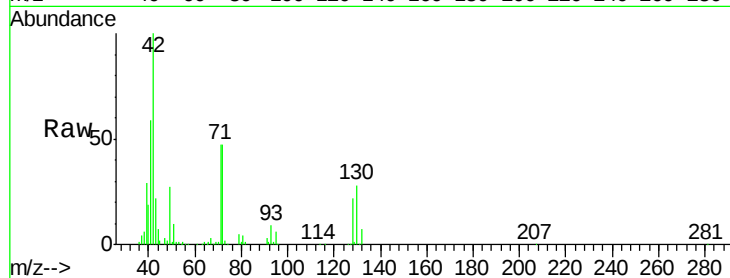
Tot Ion: 42 Resp: 342019

Ion Ratio Lower Upper

42 100

72 47.0 32.8 49.2

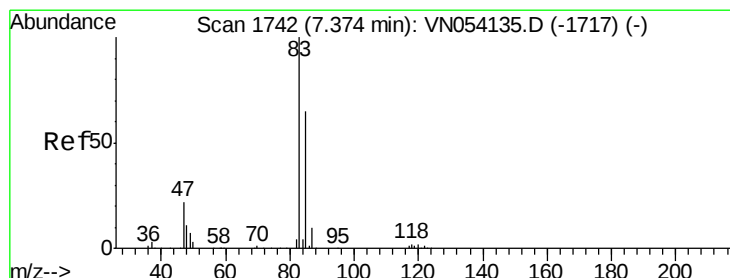
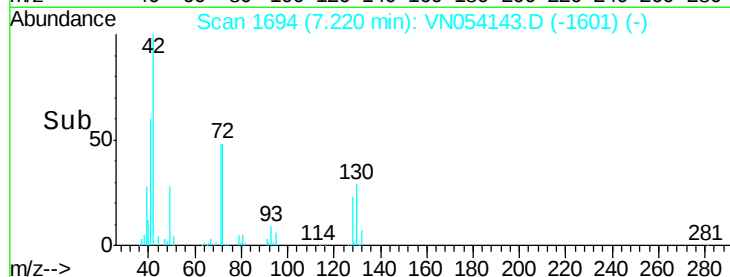
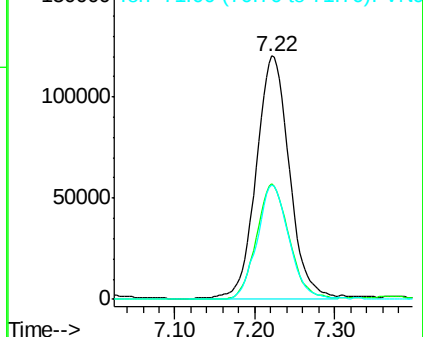
71 45.5 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 18.152 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054143.D

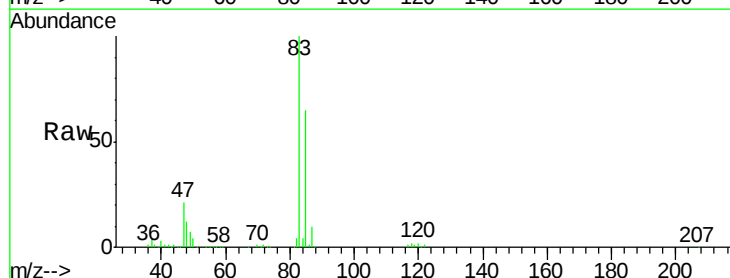
Acq: 11 Mar 2019 16:13

Tgt Ion: 83 Resp: 568216

Ion Ratio Lower Upper

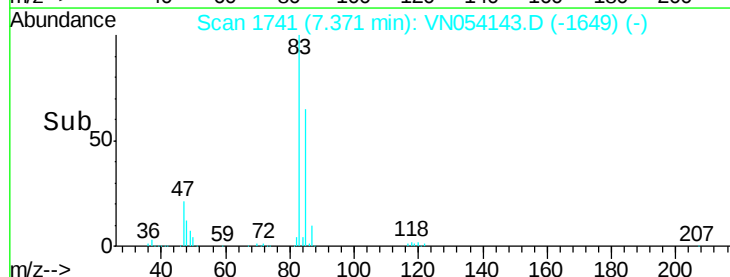
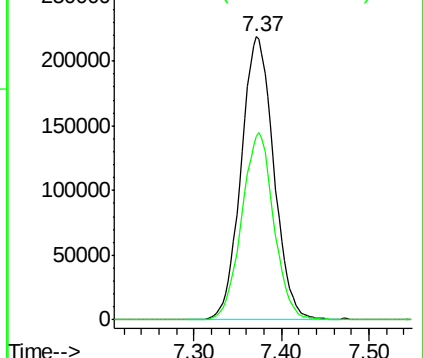
83 100

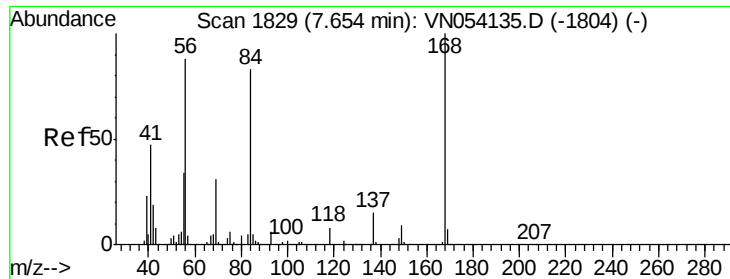
85 64.8 53.1 79.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.115 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VN0311WBS01

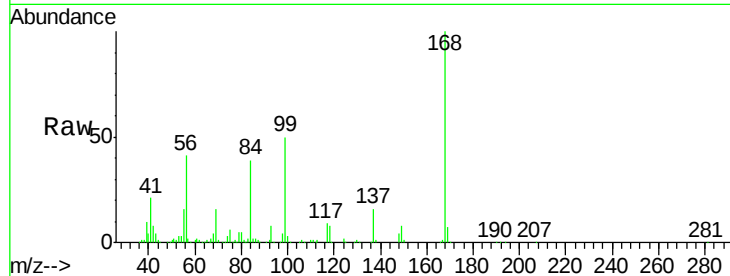
Tot Ion: 56 Resp: 493630

Ion Ratio Lower Upper

56 100

69 38.9 25.5 38.3#

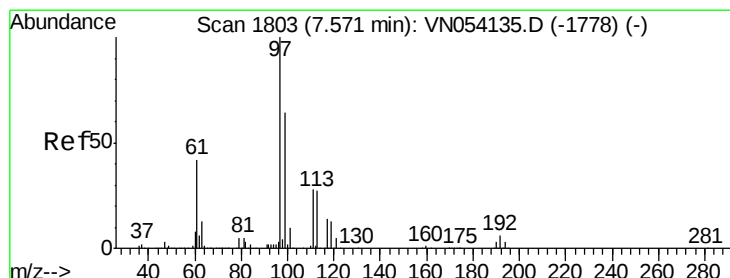
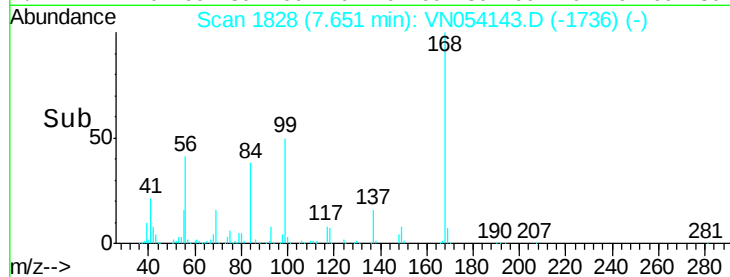
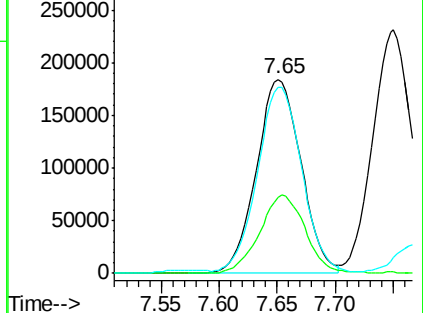
84 94.2 64.5 96.7



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: 18.001 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

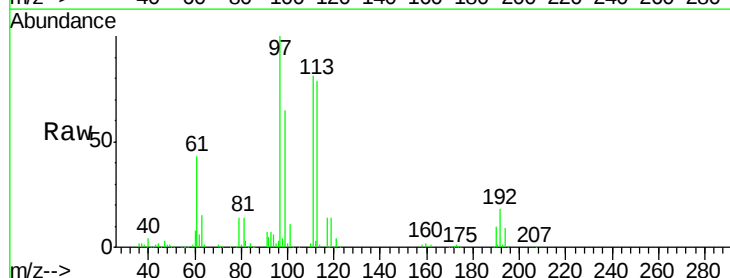
Tgt Ion: 97 Resp: 510045

Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

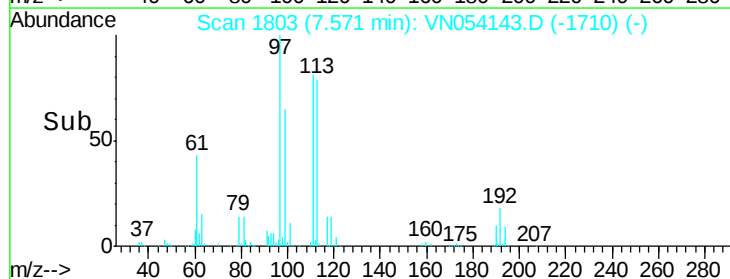
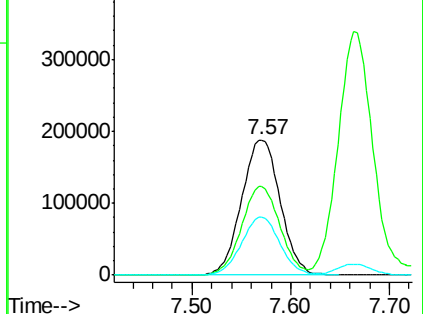
61 42.7 37.1 55.7

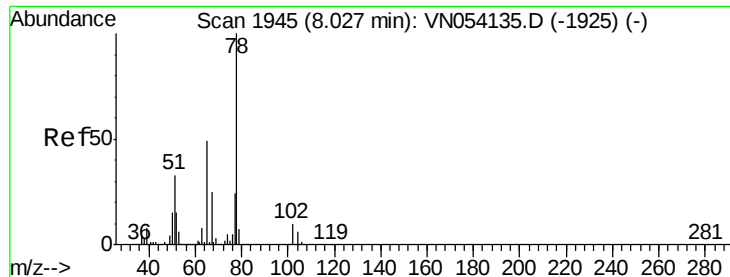


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

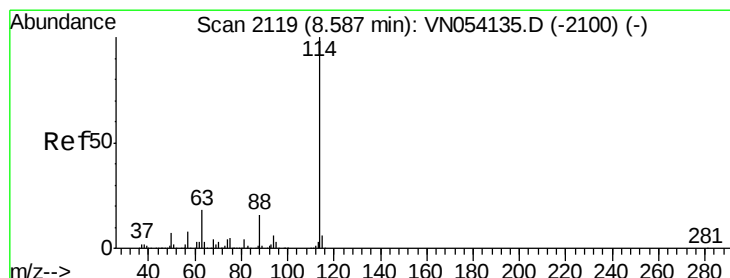
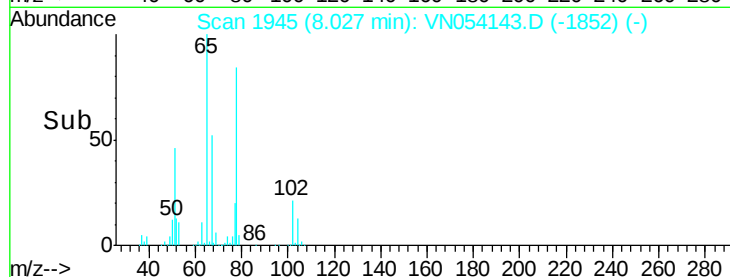
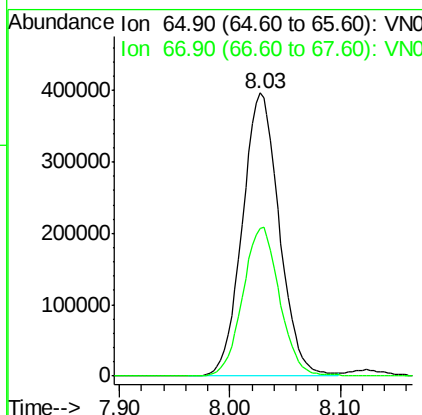
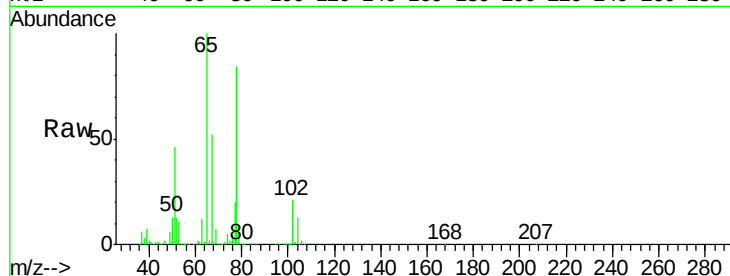




#33
 1,2-Dichloroethane-d4
 Concen: 47.798 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054143.D
 Acq: 11 Mar 2019 16:13

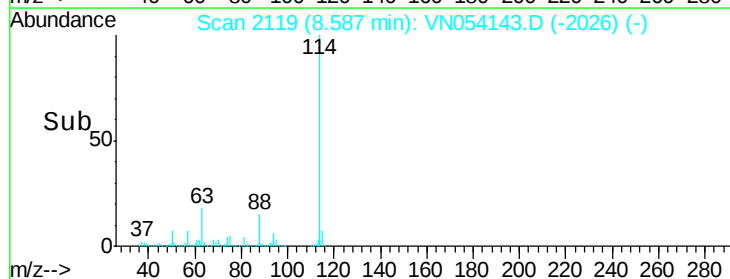
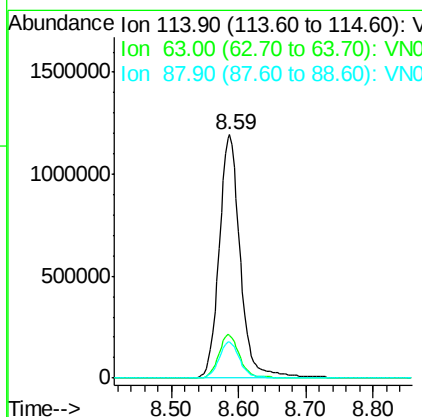
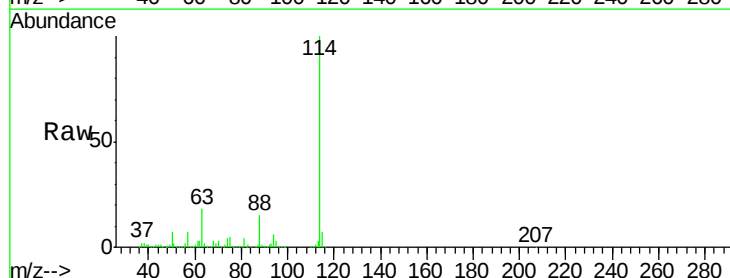
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

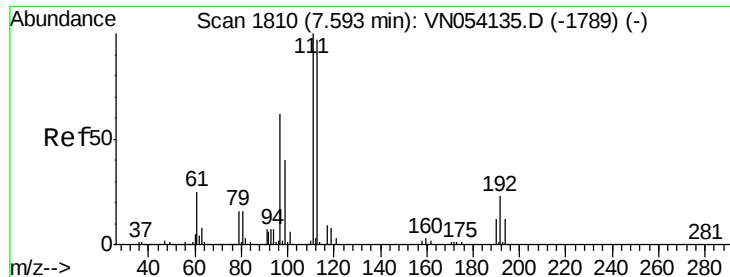
Tot Ion: 65 Resp: 918876
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054143.D
 Acq: 11 Mar 2019 16:13

Tgt Ion: 114 Resp: 2616119
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 42.6
 88 14.7 0.0 31.8

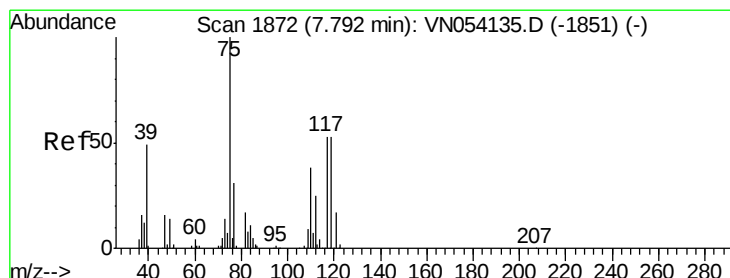
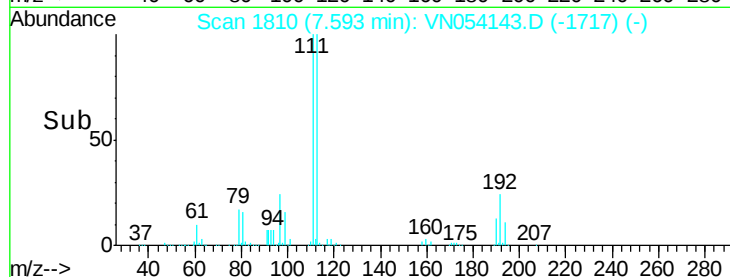
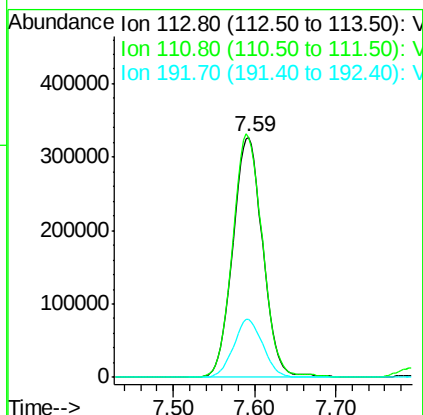
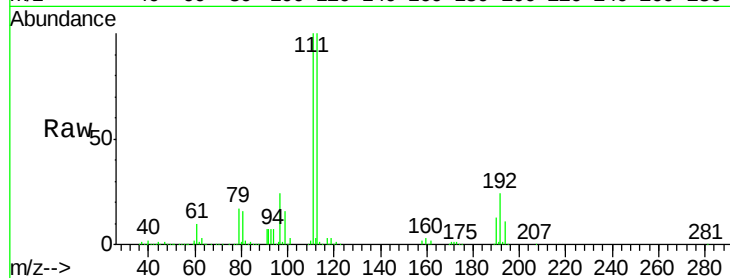




#35
 Dibromofluoromethane
 Concen: 49.424 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054143.D
 Acq: 11 Mar 2019 16:13

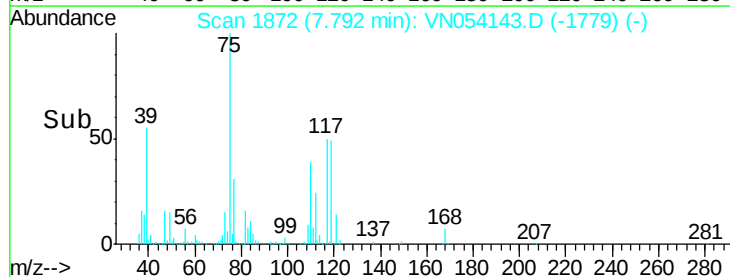
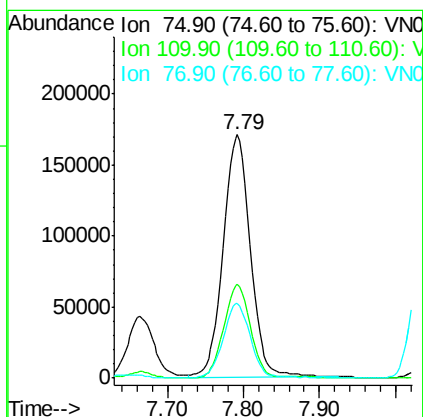
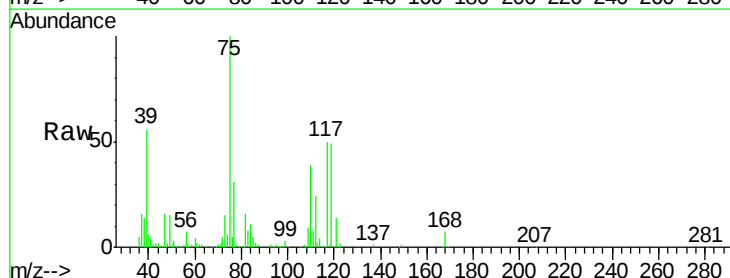
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

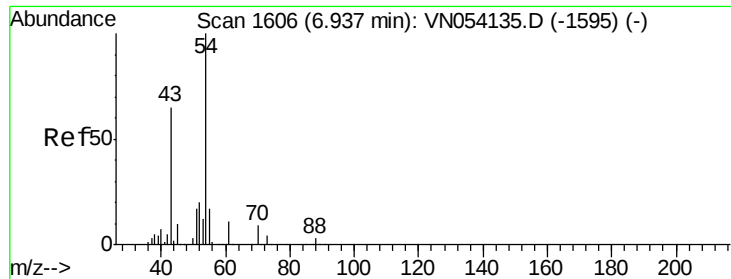
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.1	123.1
192	23.7	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 18.741 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054143.D
 Acq: 11 Mar 2019 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	18.0	54.0
77	30.7	25.3	37.9

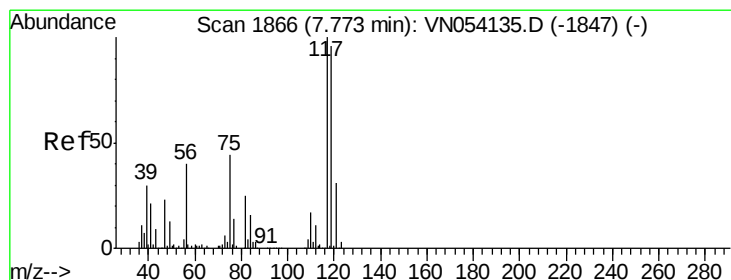
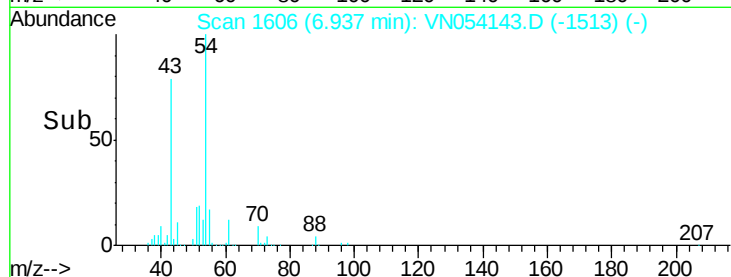
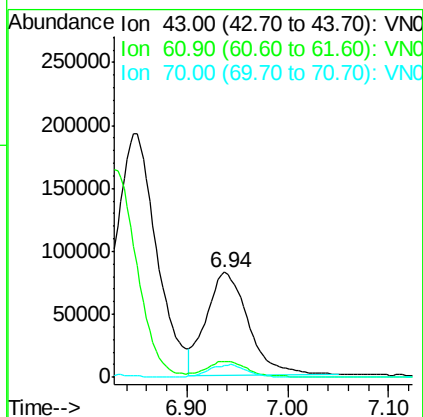
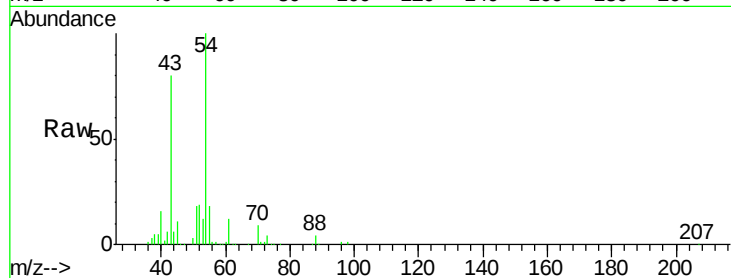




#37
Ethyl Acetate
Concen: 16.053 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

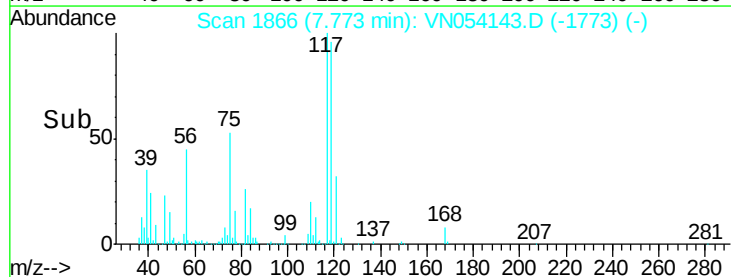
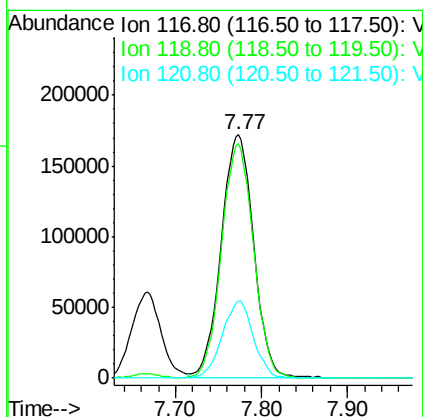
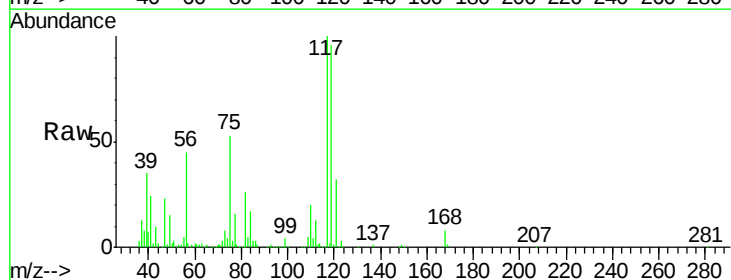
Instrument :
MSVOA_N
ClientSampled :
VN0311WBS01

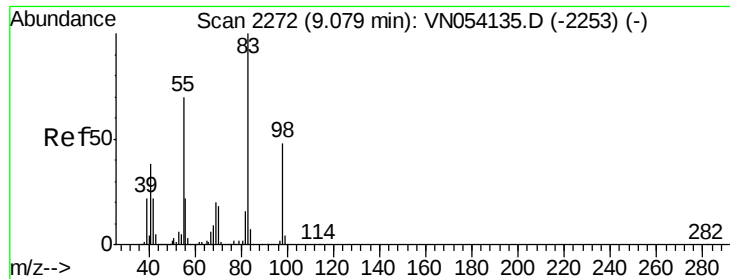
Tot Ion: 43 Resp: 237018
Ion Ratio Lower Upper
43 100
61 14.8 11.1 16.7
70 10.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 17.803 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

Tgt Ion: 117 Resp: 449351
Ion Ratio Lower Upper
117 100
119 96.4 77.0 115.6
121 32.0 24.3 36.5

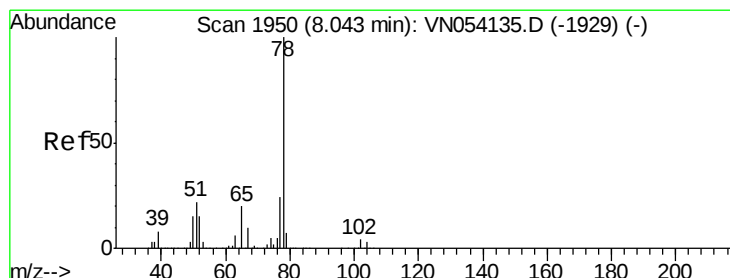
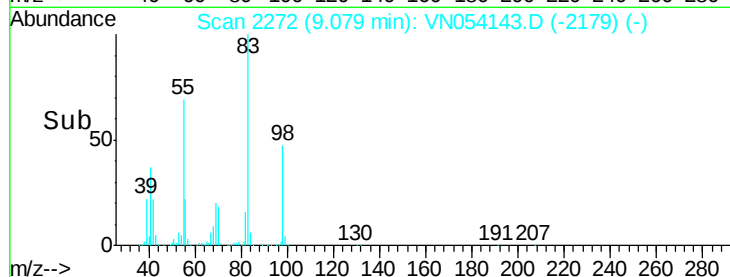
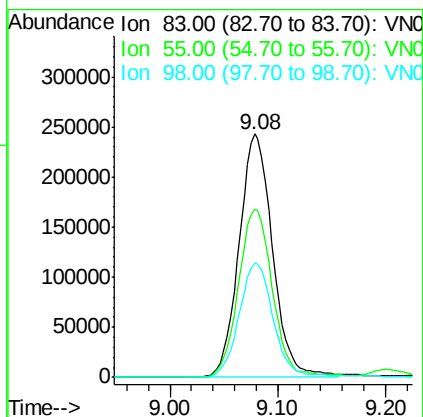
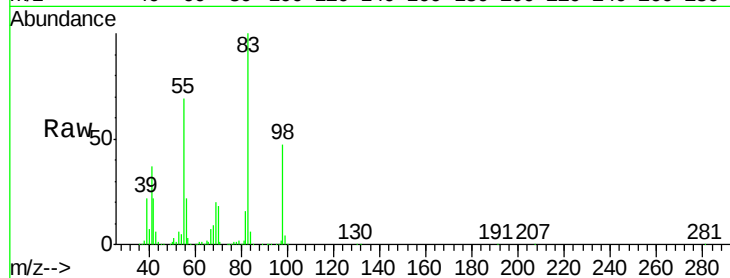




#39
Methvlcvclohexane
Concen: 18.796 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

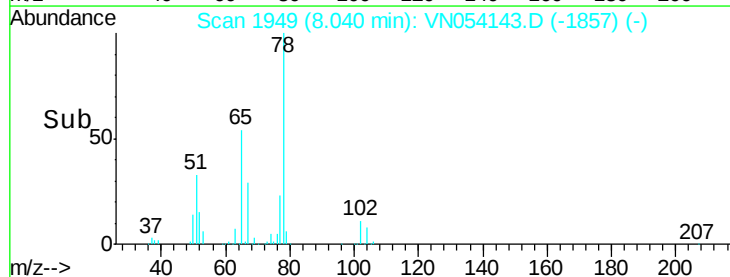
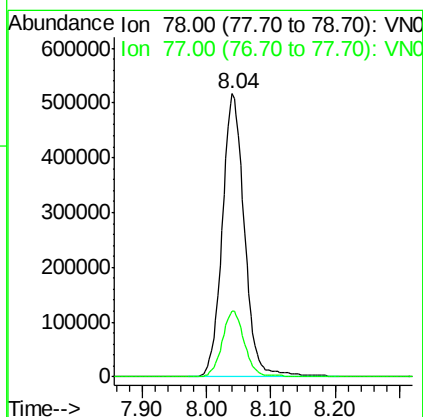
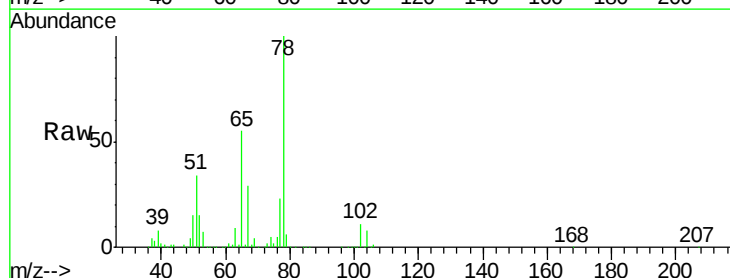
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

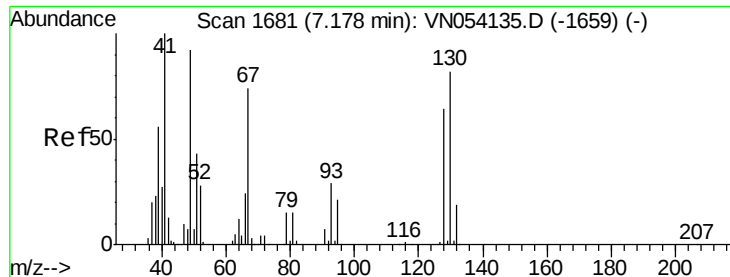
Tot Ion: 83 Resp: 526869
Ion Ratio Lower Upper
83 100
55 69.0 62.1 93.1
98 46.8 36.0 54.0



#40
Benzene
Concen: 18.974 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

Tgt Ion: 78 Resp: 1241383
Ion Ratio Lower Upper
78 100
77 23.3 18.7 28.1

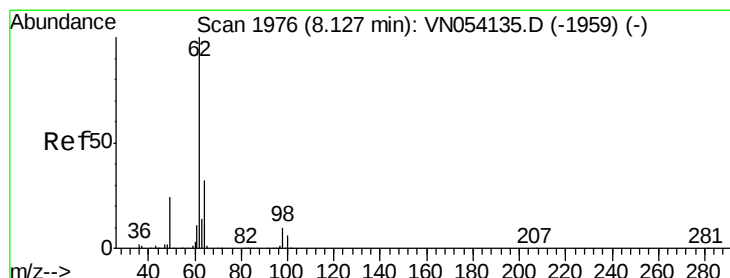
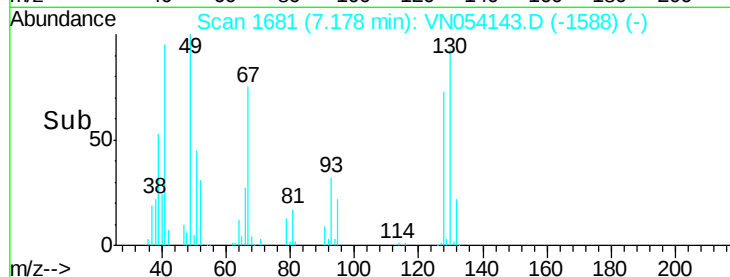
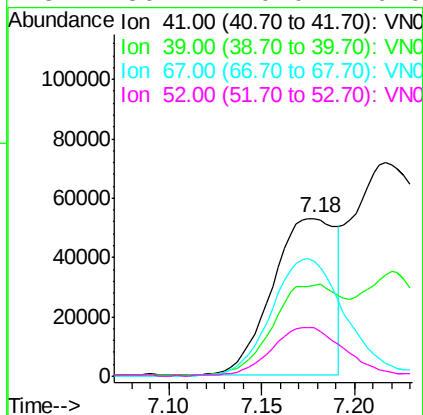
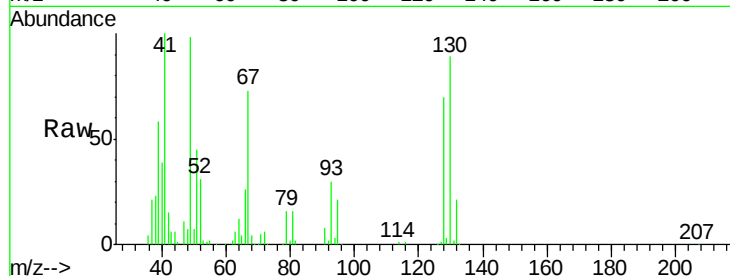




#41
Methacrylonitrile
Concen: 16.440 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

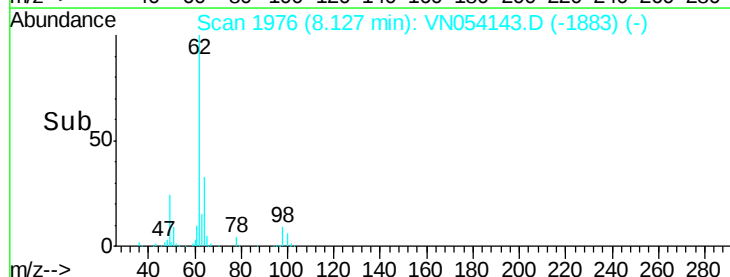
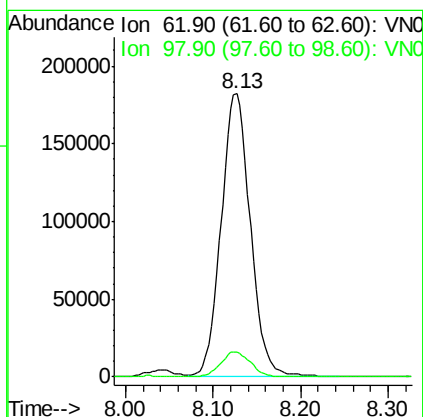
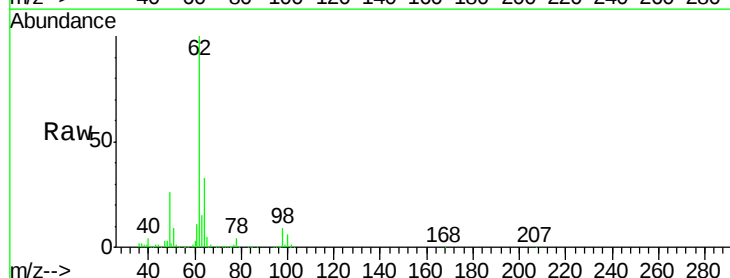
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

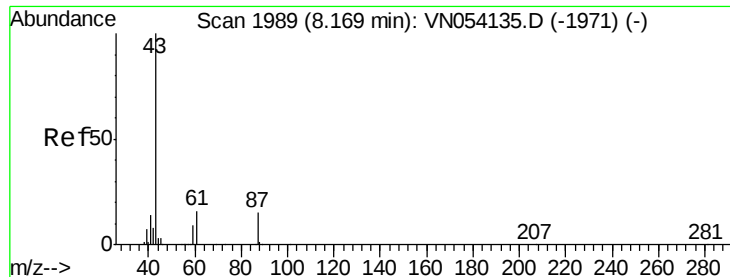
Tot Ion:	41	Resp:	126382
Ion	Ratio	Lower	Upper
41	100		
39	63.9	0.0	0.0#
67	87.8	0.0	0.0#
52	36.4	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 18.661 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

Tgt Ion:	62	Resp:	420935
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 17.479 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

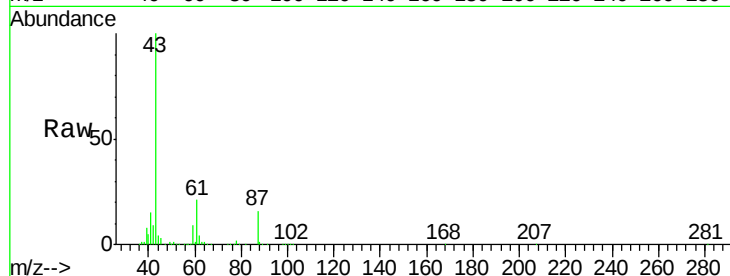
Tot Ion: 43 Resp: 428997

Ion Ratio Lower Upper

43 100

61 20.5 22.5 33.7#

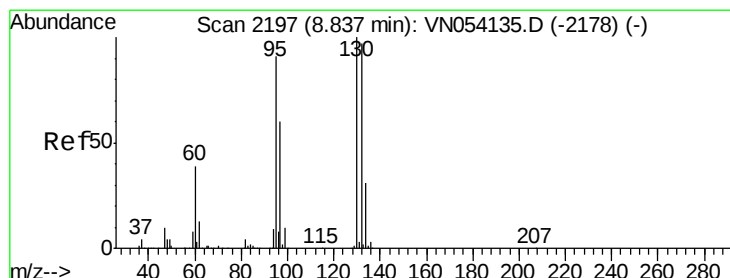
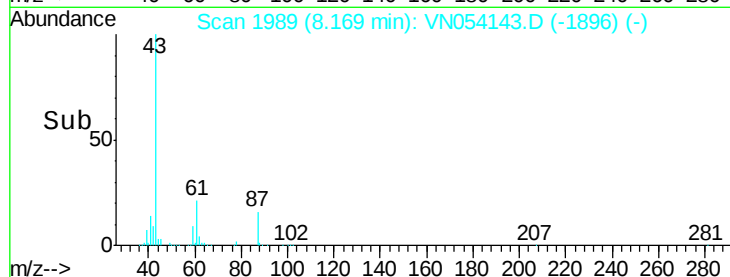
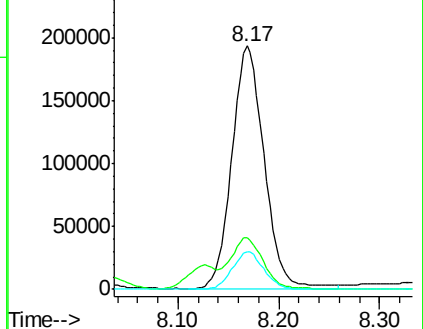
87 15.4 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.261 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054143.D

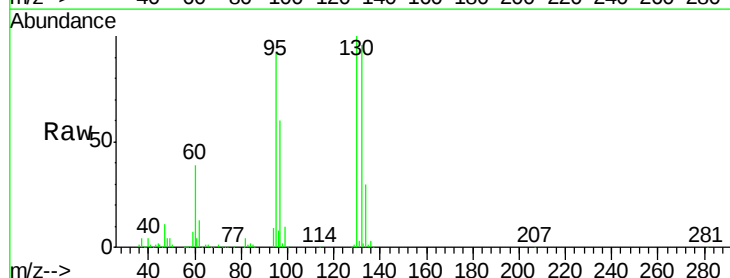
Acq: 11 Mar 2019 16:13

Tgt Ion: 130 Resp: 388896

Ion Ratio Lower Upper

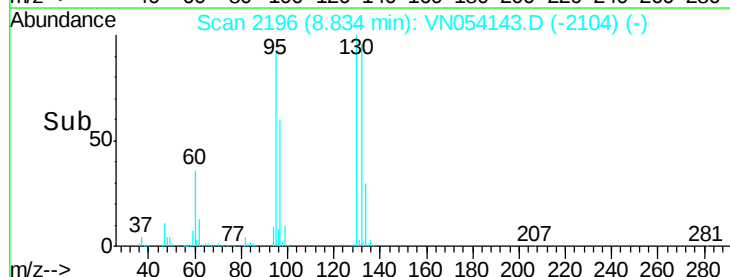
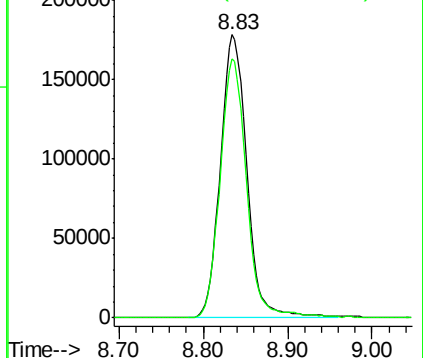
130 100

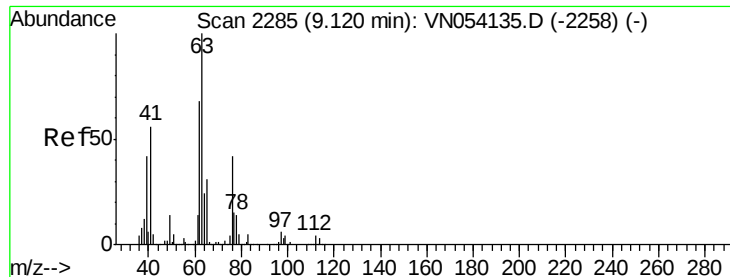
95 91.5 0.0 189.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 18.680 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

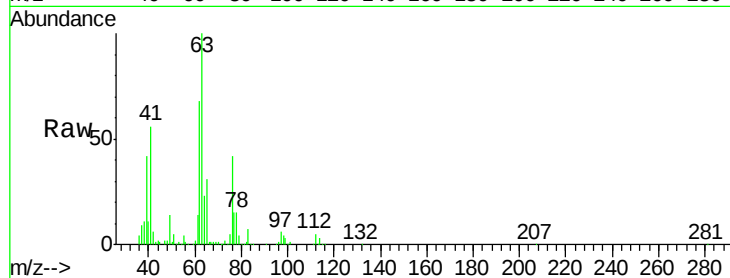
VN0311WBS01

Tot Ion: 63 Resp: 312308

Ion Ratio Lower Upper

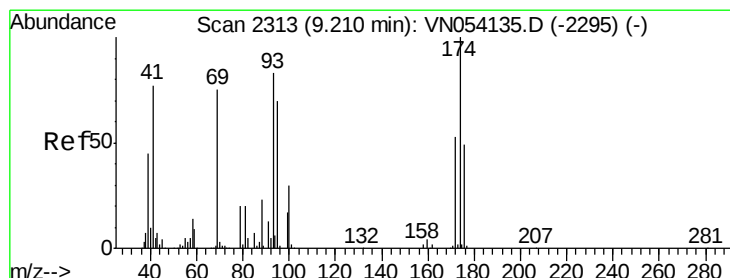
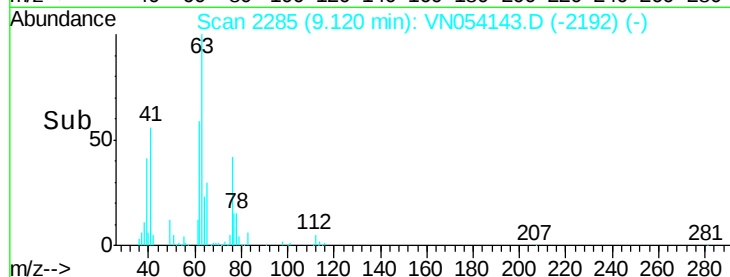
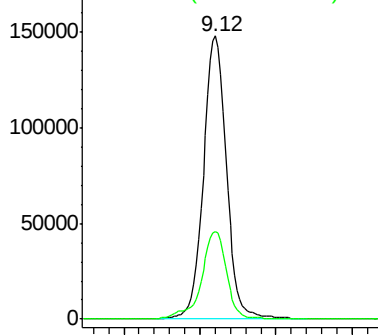
63 100

65 31.0 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.393 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

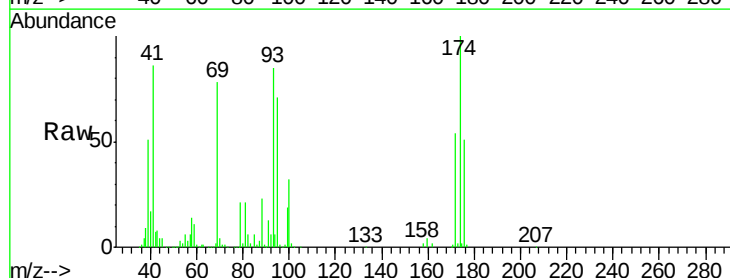
Tgt Ion: 93 Resp: 208621

Ion Ratio Lower Upper

93 100

95 81.4 66.1 99.1

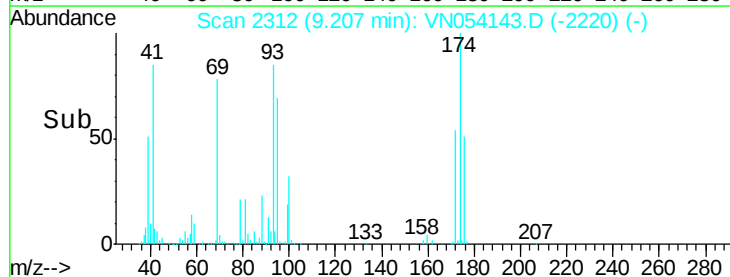
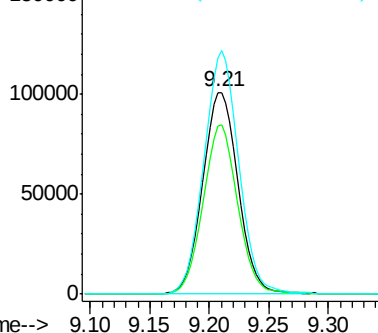
174 118.7 86.1 129.1

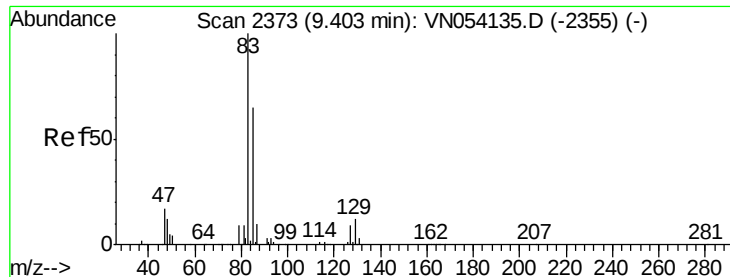


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.470 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

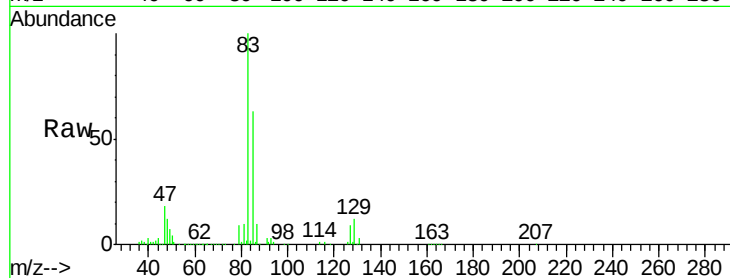
Tot Ion: 83 Resp: 434254

Ion Ratio Lower Upper

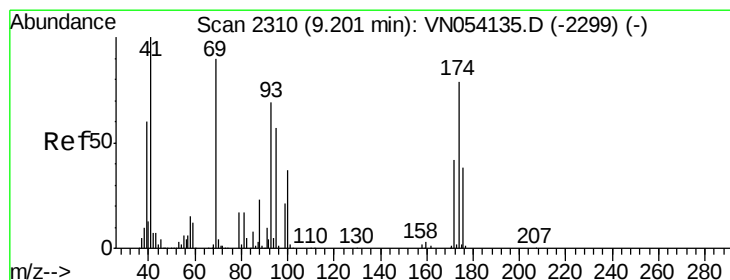
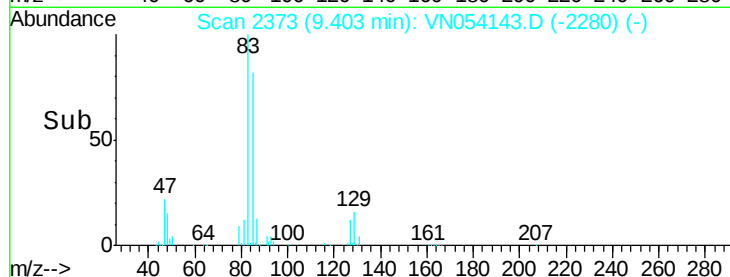
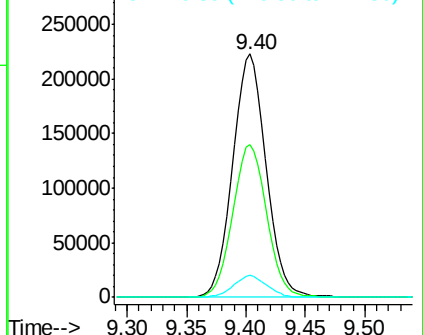
83 100

85 63.0 51.0 76.4

127 9.0 6.5 9.7



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: 16.896 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

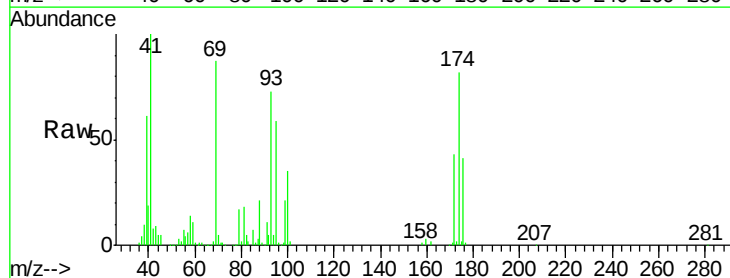
Tgt Ion: 41 Resp: 222947

Ion Ratio Lower Upper

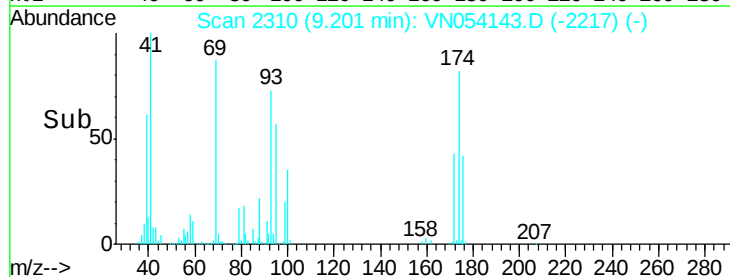
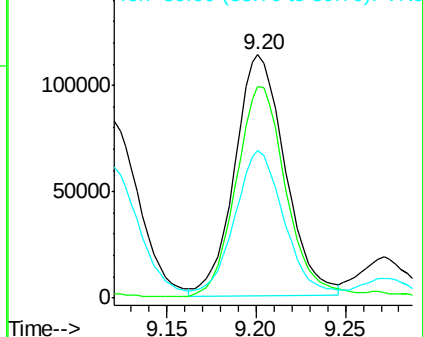
41 100

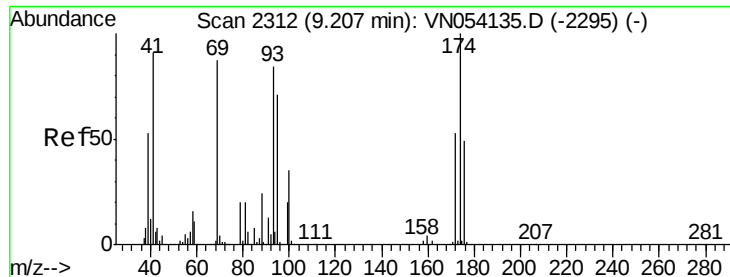
69 86.5 71.0 106.4

39 60.3 43.7 65.5



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

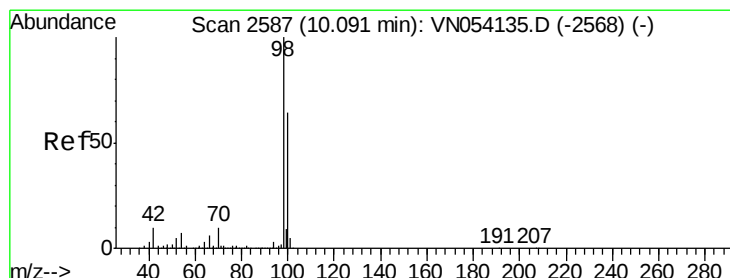
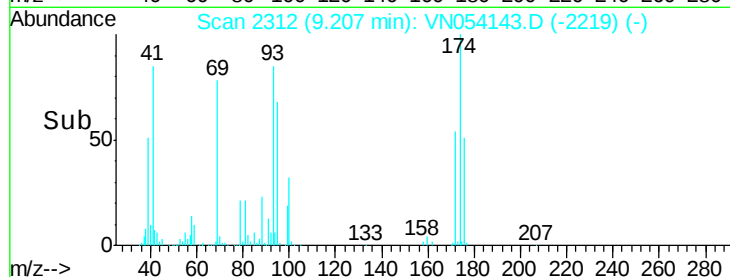
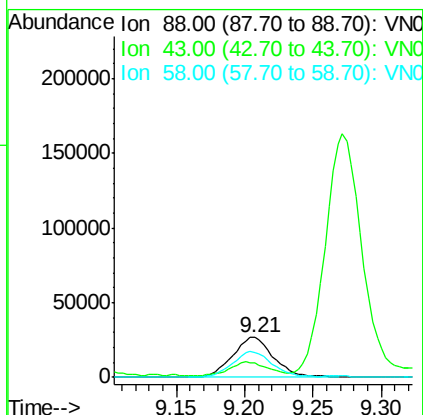
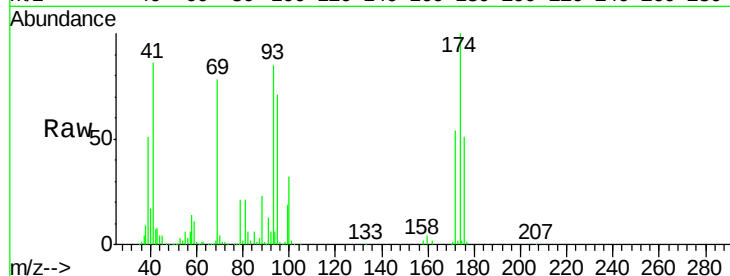




#49
1,4-Dioxane
Concen: 328.303 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

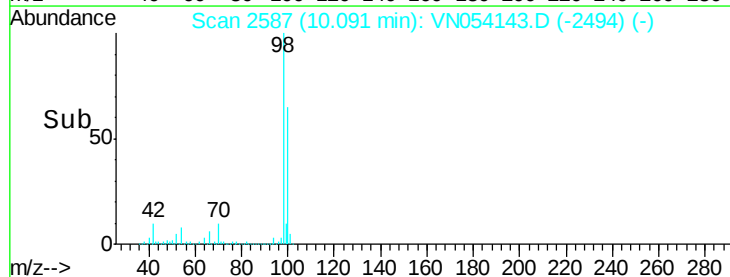
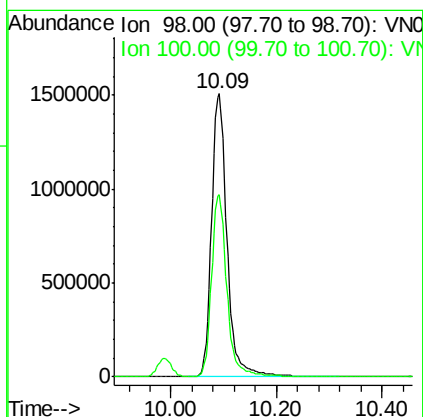
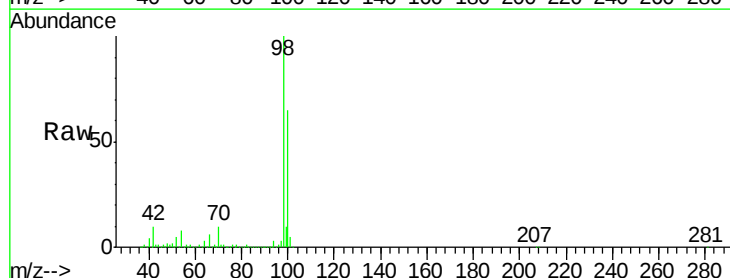
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

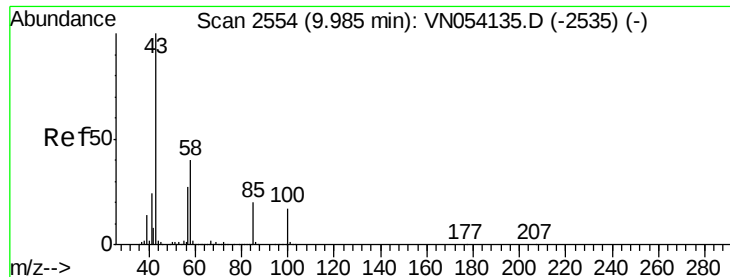
Tot Ion: 88 Resp: 56203
Ion Ratio Lower Upper
88 100
43 29.6 25.5 38.3
58 62.8 58.3 87.5



#50
Toluene-d8
Concen: 49.396 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

Tgt Ion: 98 Resp: 3071446
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5

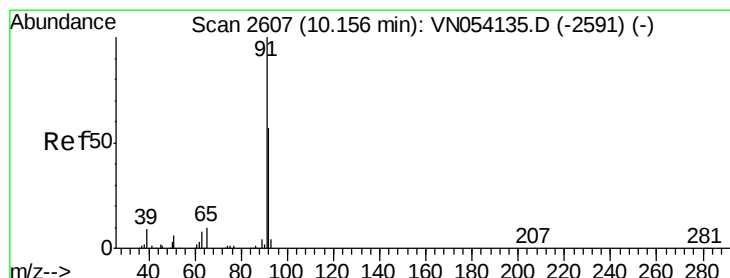
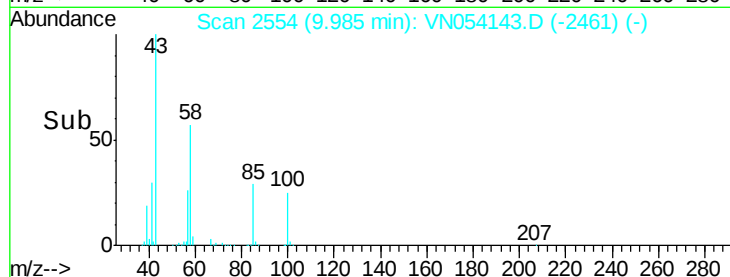
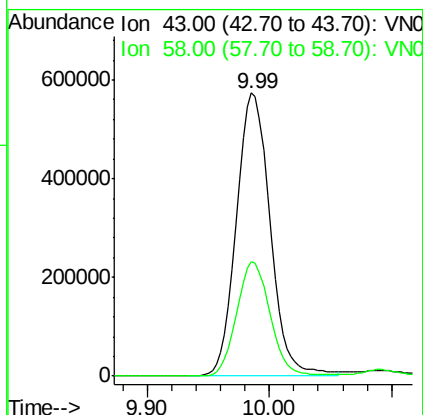
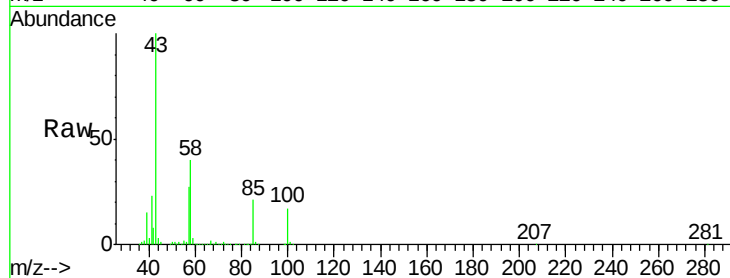




#51
4-Methyl-2-Pentanone
Concen: 83.053 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

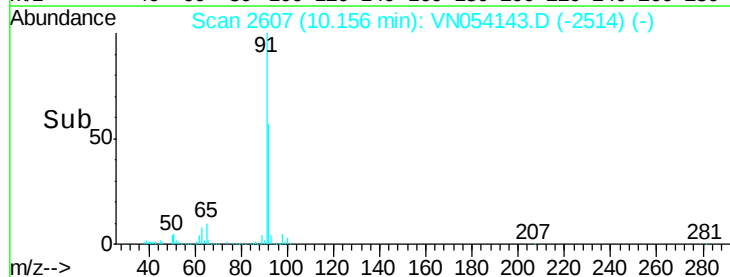
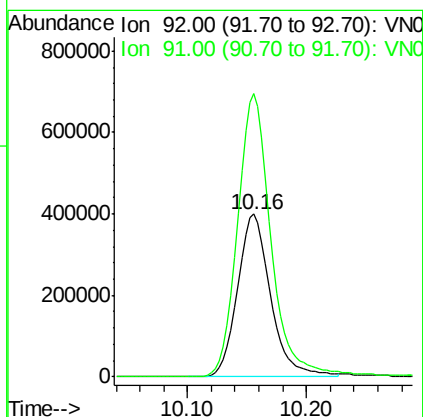
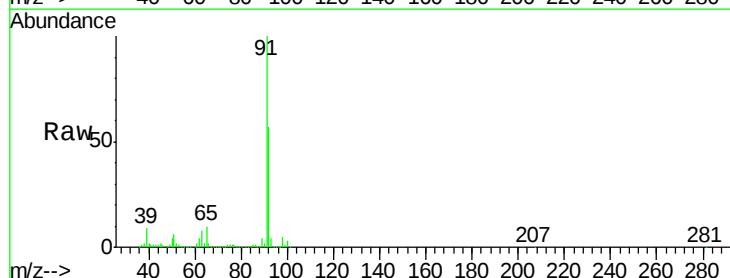
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

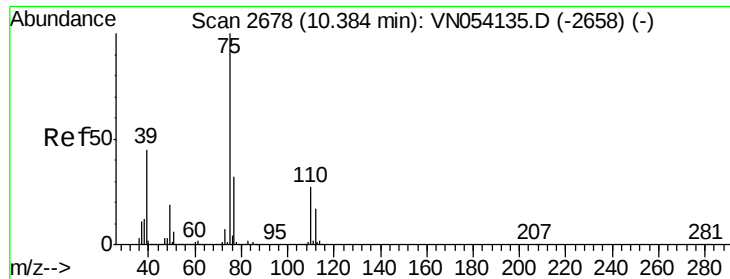
Tot Ion: 43 Resp: 1093346
Ion Ratio Lower Upper
43 100
58 40.1 30.8 46.2



#52
Toluene
Concen: 18.386 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

Tgt Ion: 92 Resp: 770197
Ion Ratio Lower Upper
92 100
91 176.9 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 17.844 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

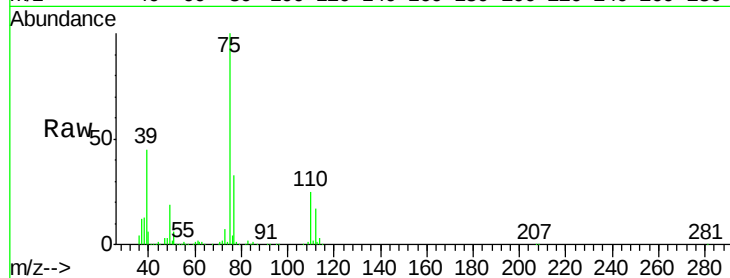
VN0311WBS01

Tot Ion: 75 Resp: 427183

Ion Ratio Lower Upper

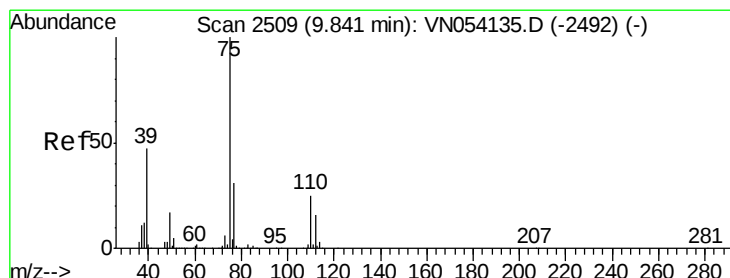
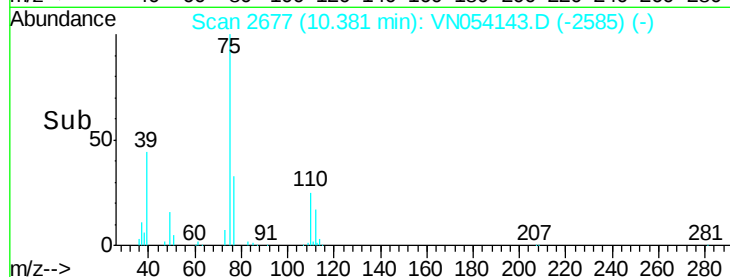
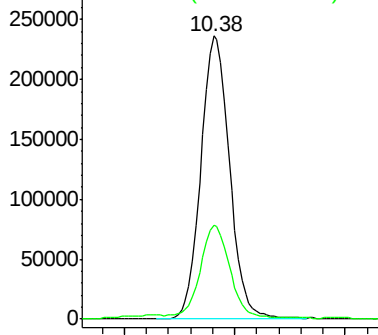
75 100

77 32.8 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.240 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

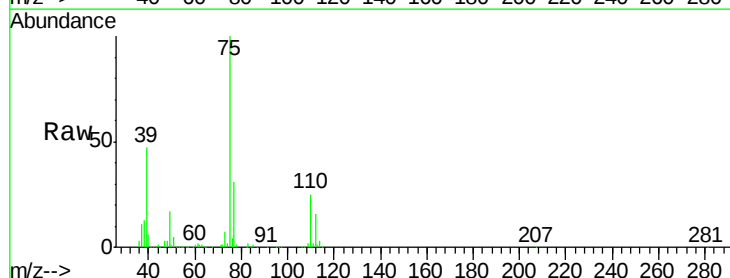
Tgt Ion: 75 Resp: 490368

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

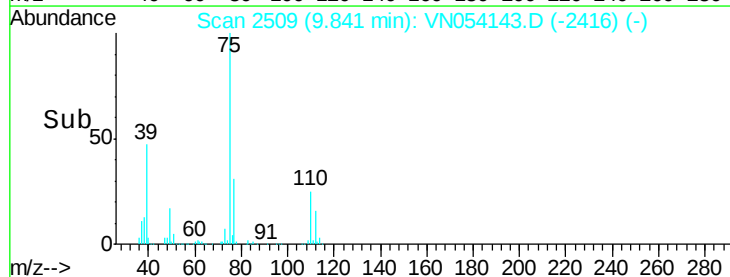
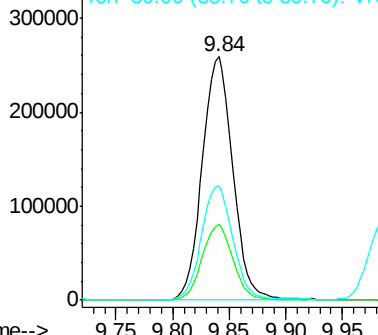
39 46.8 36.2 54.2

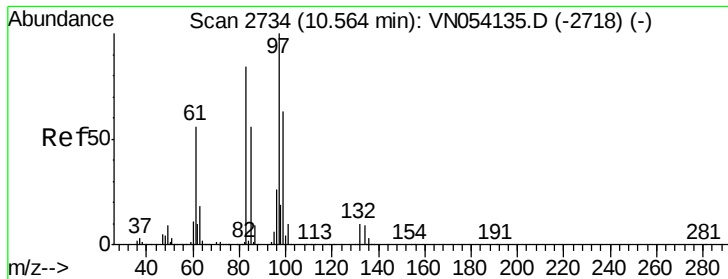


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 18.089 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

Tot Ion: 97 Resp: 285681

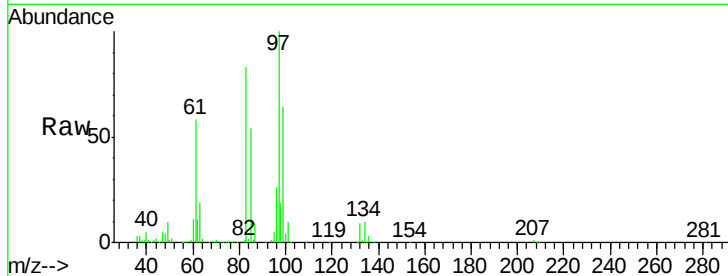
Ion Ratio Lower Upper

97 100

83 82.4 69.8 104.6

85 53.9 45.0 67.4

99 63.2 49.8 74.6



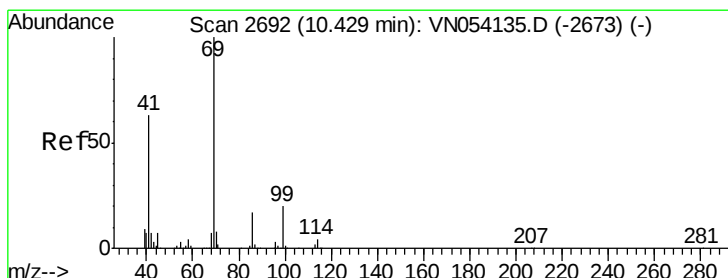
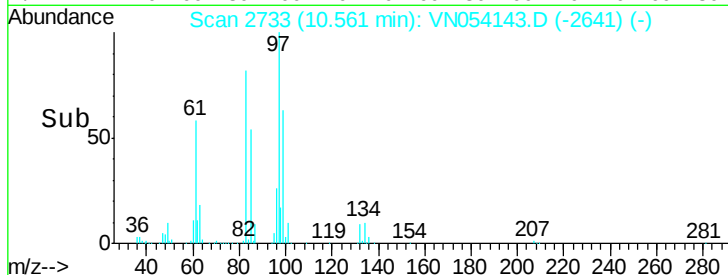
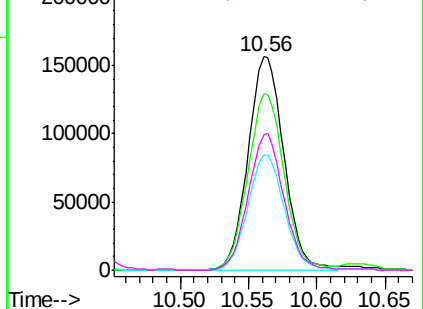
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 16.807 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

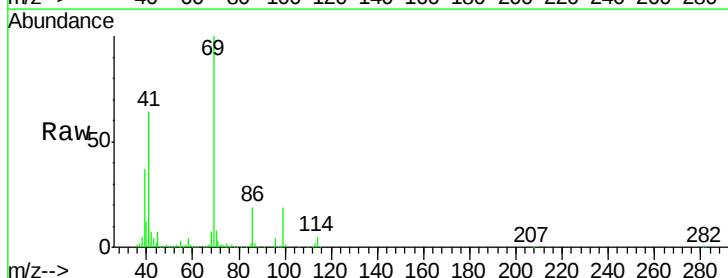
Tgt Ion: 69 Resp: 324892

Ion Ratio Lower Upper

69 100

41 62.6 53.4 80.2

39 36.8 25.6 38.4

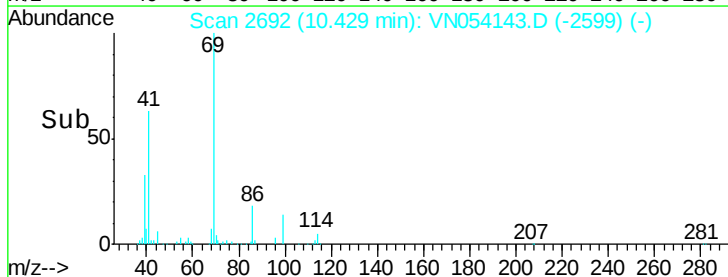
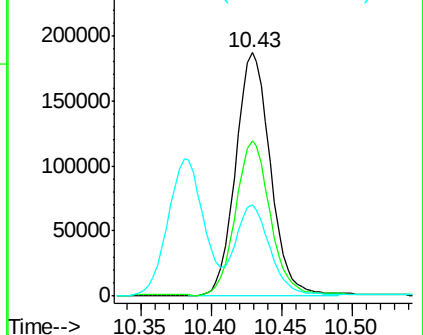


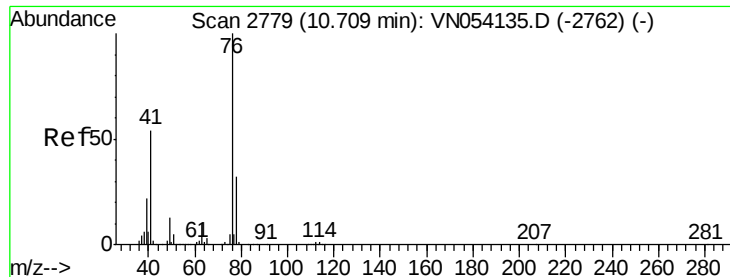
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 18.086 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

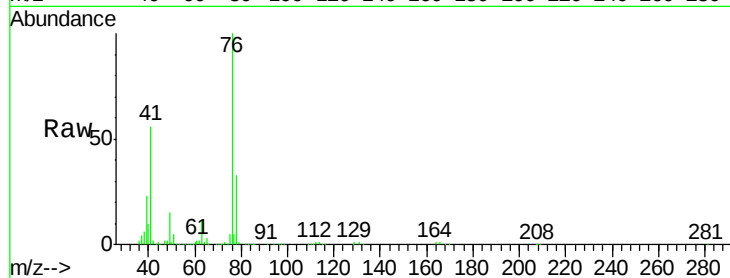
VN0311WBS01

Tot Ion: 76 Resp: 462343

Ion Ratio Lower Upper

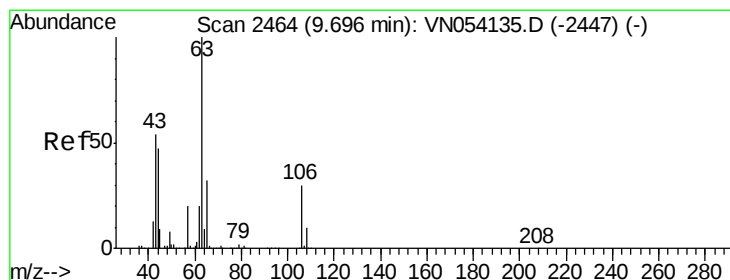
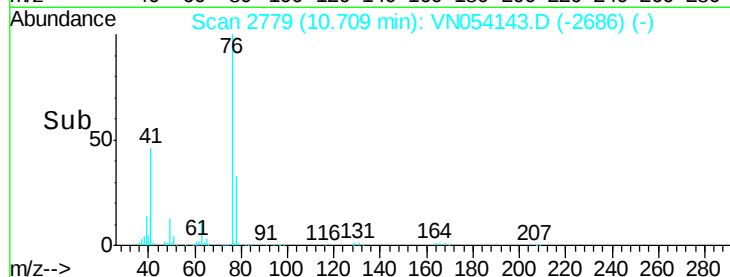
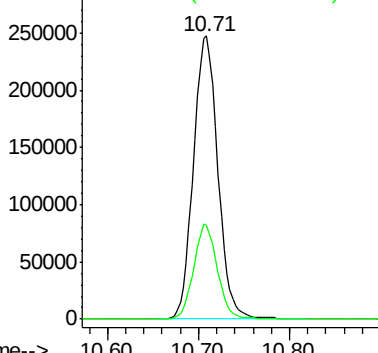
76 100

78 32.4 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 94.345 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054143.D

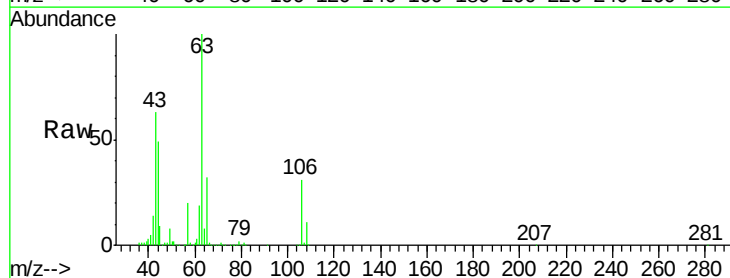
Acq: 11 Mar 2019 16:13

Tgt Ion: 63 Resp: 673353

Ion Ratio Lower Upper

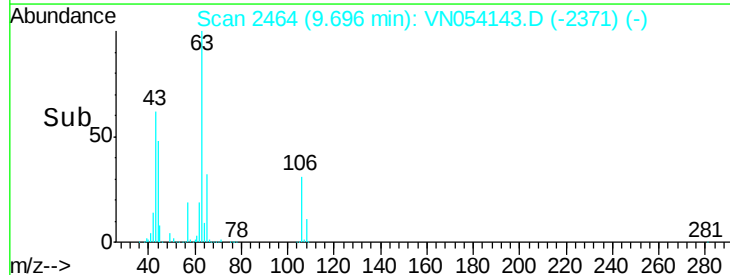
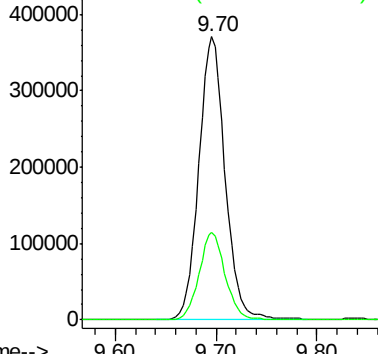
63 100

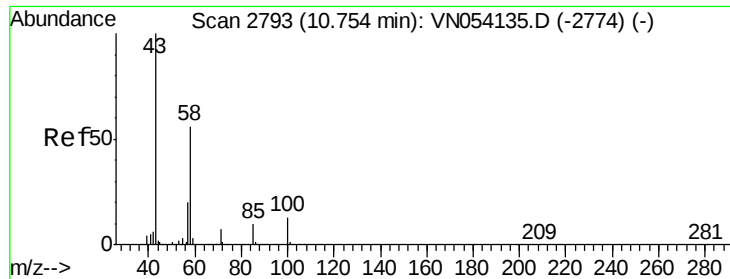
106 30.5 20.2 30.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

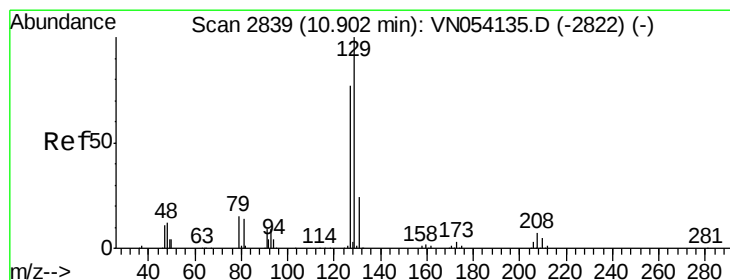
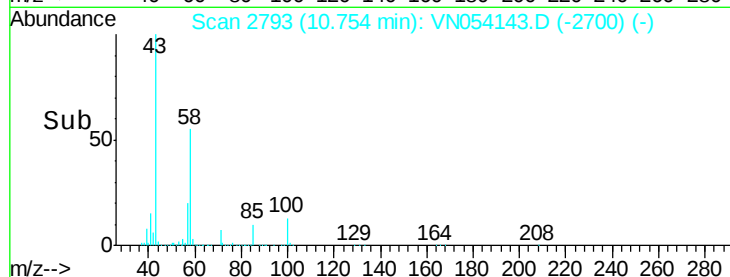
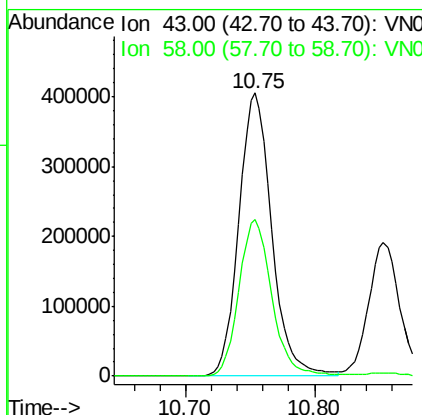
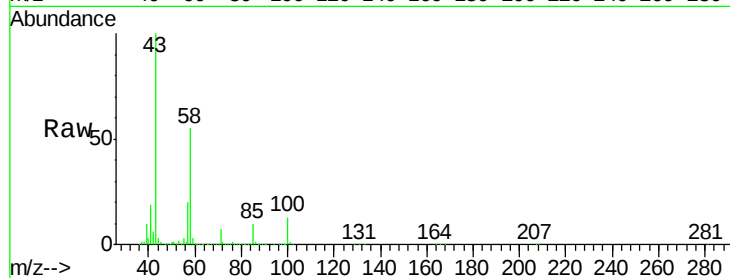




#59
2-Hexanone
Concen: 81.911 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

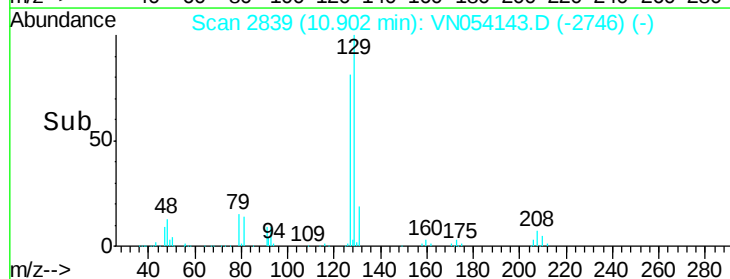
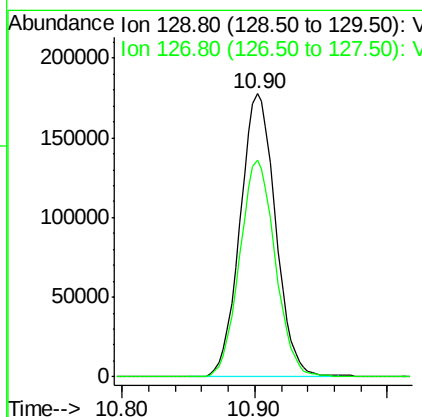
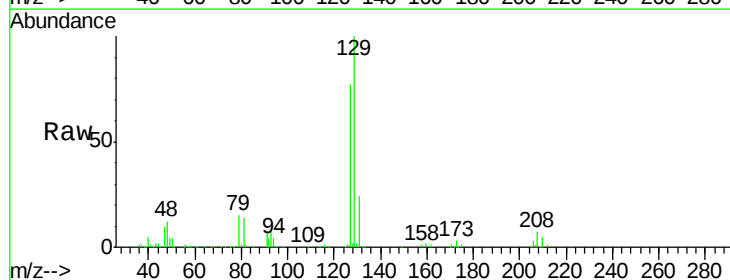
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

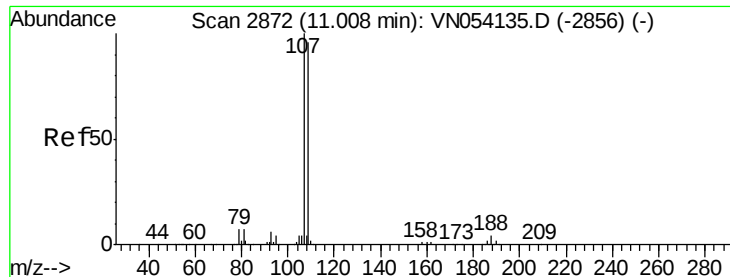
Tot Ion: 43 Resp: 715623
Ion Ratio Lower Upper
43 100
58 55.9 27.0 81.0



#60
Dibromochloromethane
Concen: 18.044 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

Tgt Ion: 129 Resp: 330098
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.4





#61

1,2-Dibromoethane

Concen: 18.229 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

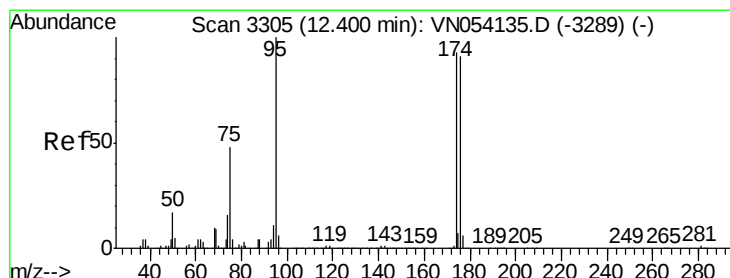
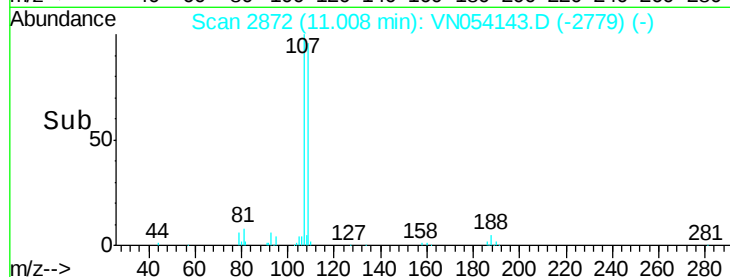
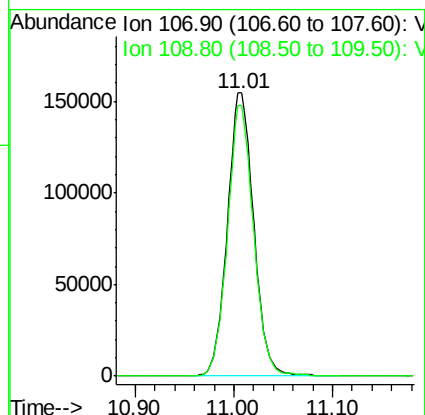
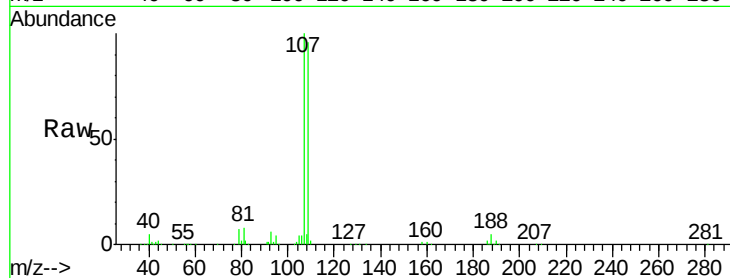
VN0311WBS01

Tot Ion:107 Resp: 289299

Ion Ratio Lower Upper

107 100

109 94.9 74.9 112.3



#62

4-Bromofluorobenzene

Concen: 47.206 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

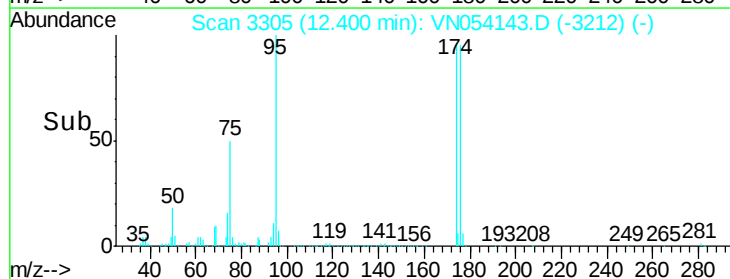
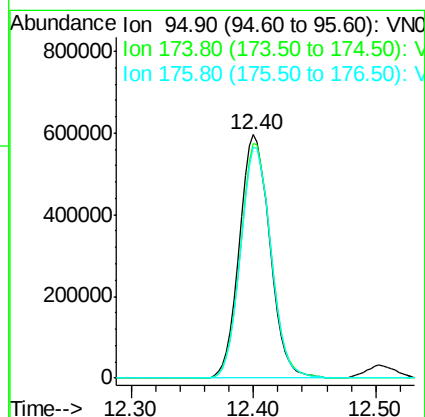
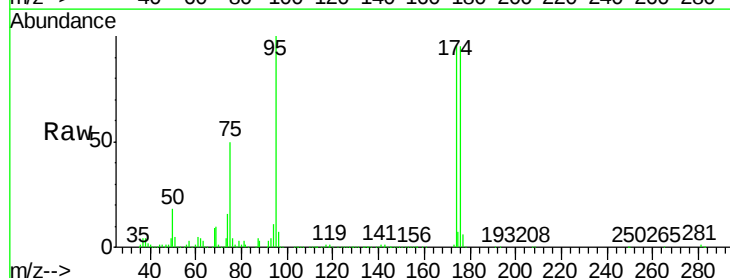
Tgt Ion: 95 Resp: 1027631

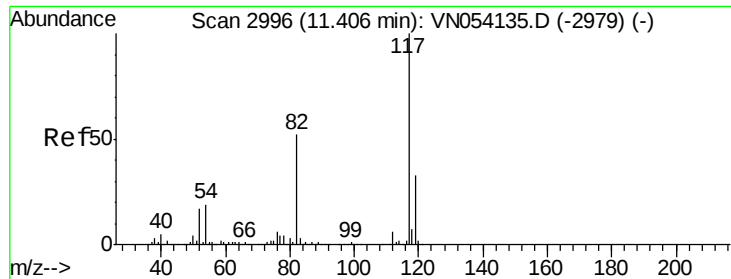
Ion Ratio Lower Upper

95 100

174 96.4 0.0 173.2

176 94.7 0.0 168.8

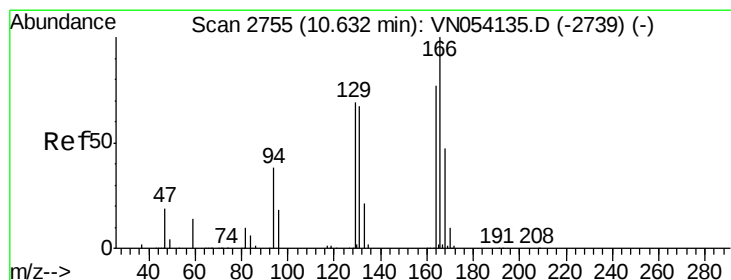
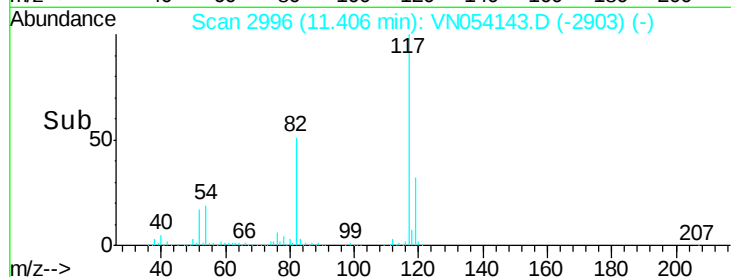
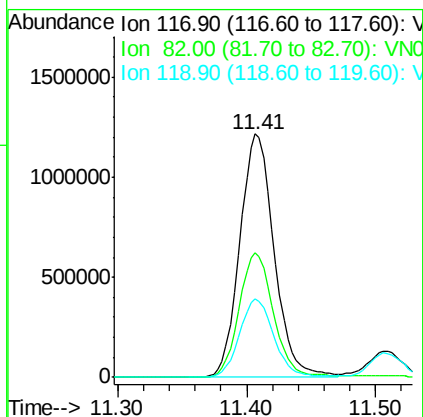
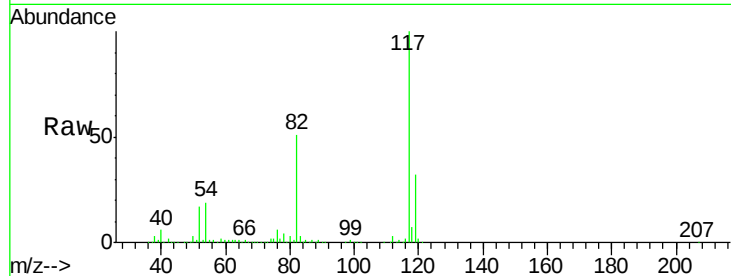




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

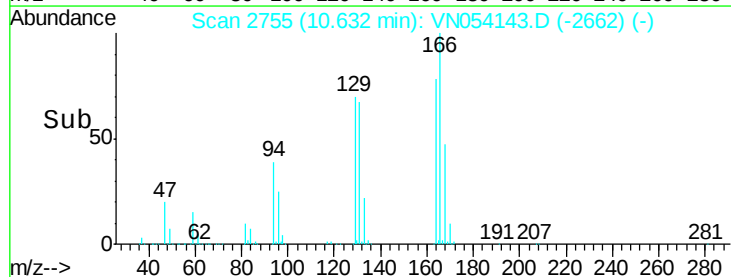
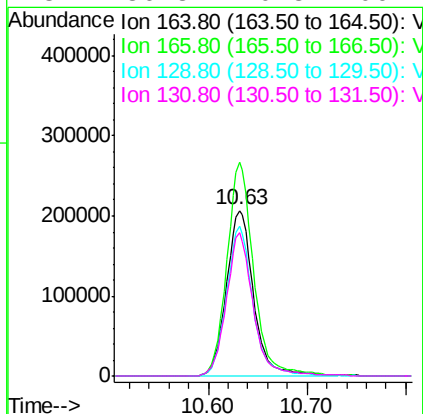
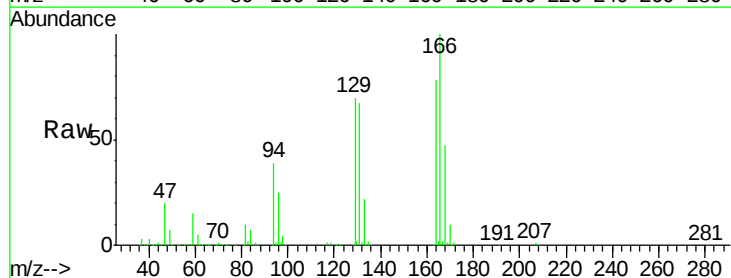
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

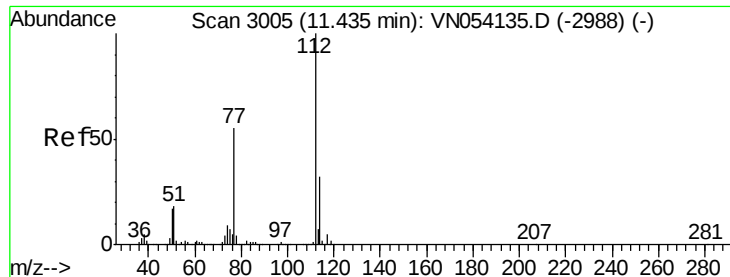
Tot Ion:117 Resp: 2257619
Ion Ratio Lower Upper
117 100
82 51.0 43.4 65.2
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 19.094 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

Tgt Ion:164 Resp: 396906
Ion Ratio Lower Upper
164 100
166 129.0 101.3 151.9
129 90.2 73.2 109.8
131 86.3 70.8 106.2

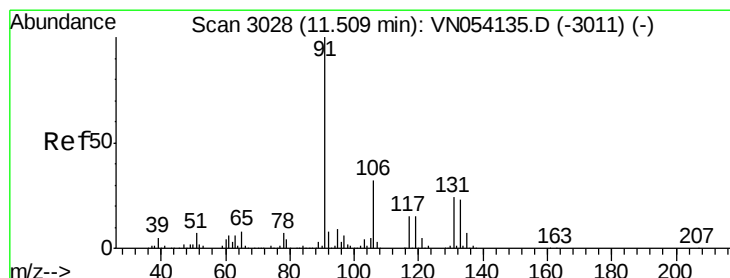
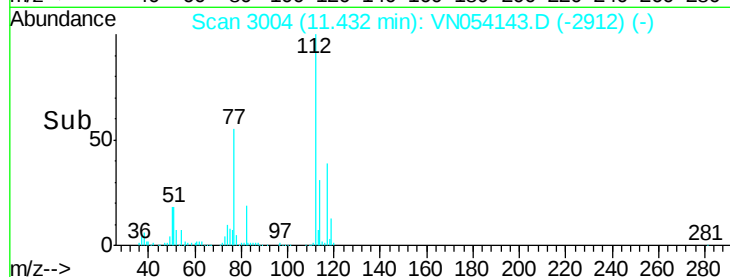
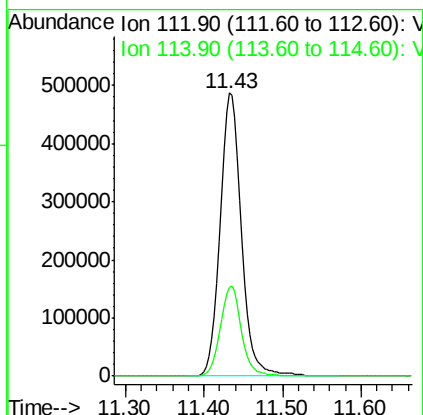
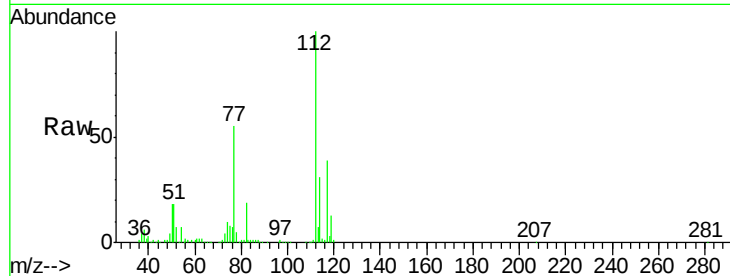




#65
Chlorobenzene
Concen: 18.938 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

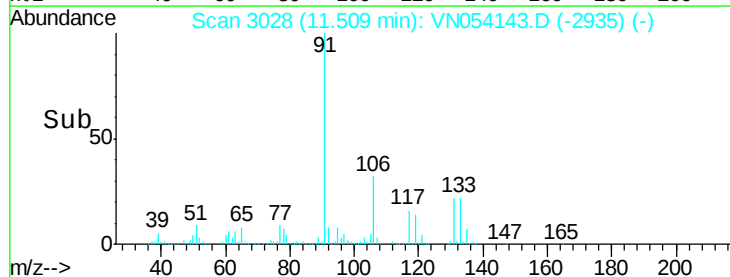
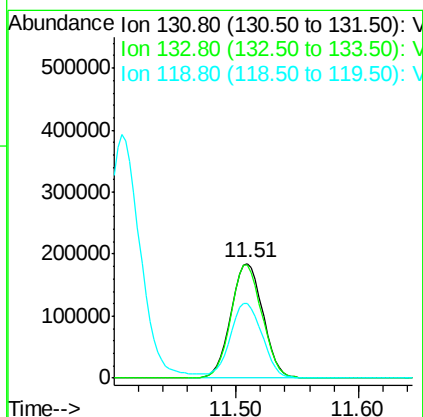
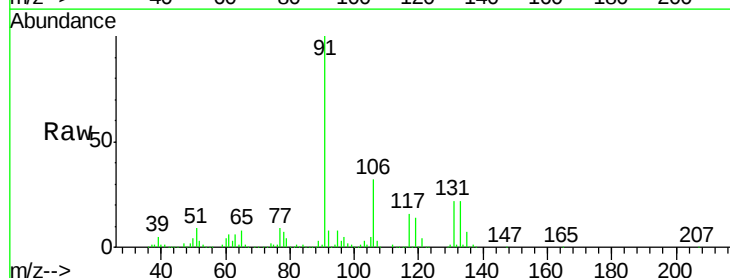
Instrument :
MSVOA_N
ClientSampled :
VN0311WBS01

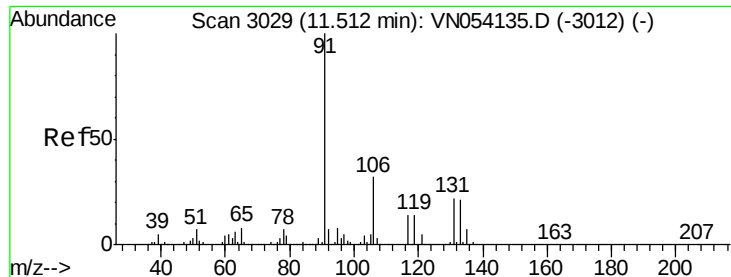
Tot Ion:112 Resp: 905889
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.766 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

Tgt Ion:131 Resp: 337709
Ion Ratio Lower Upper
131 100
133 96.4 47.6 142.9
119 66.1 33.8 101.3

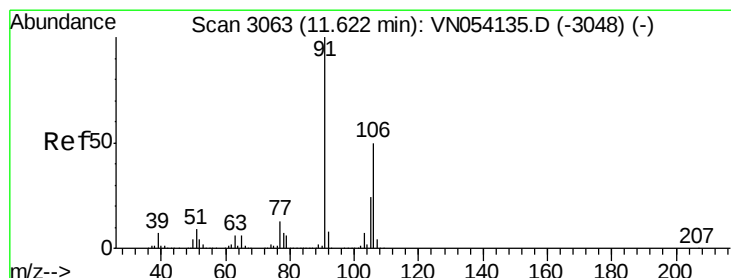
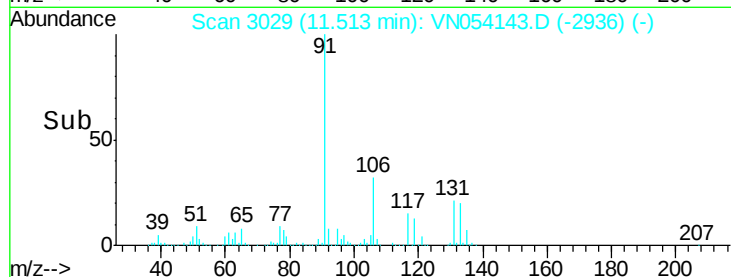
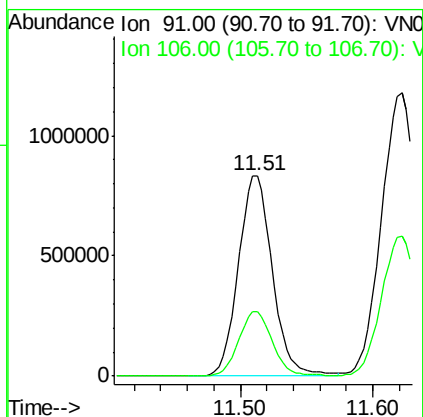
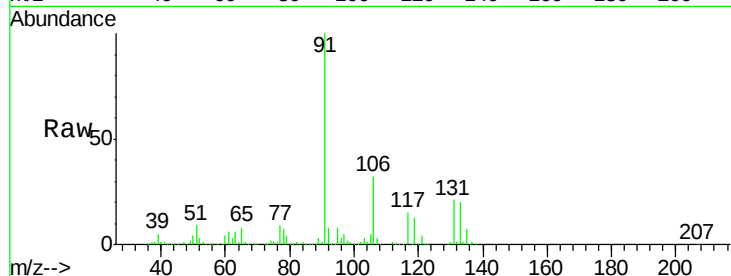




#67
Ethyl Benzene
Concen: 18.675 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

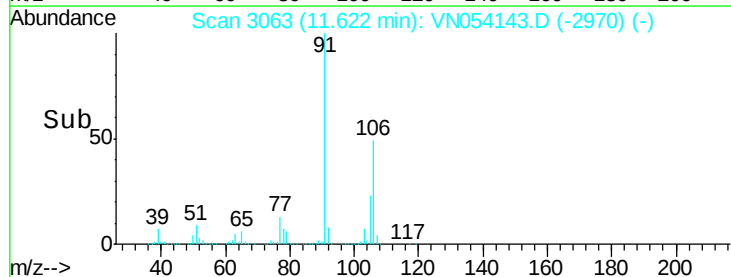
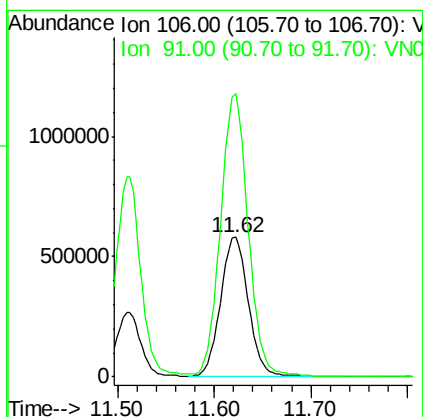
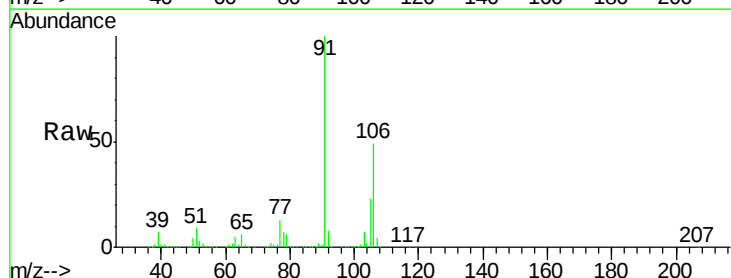
Instrument :
MSVOA_N
ClientSampled :
VN0311WBS01

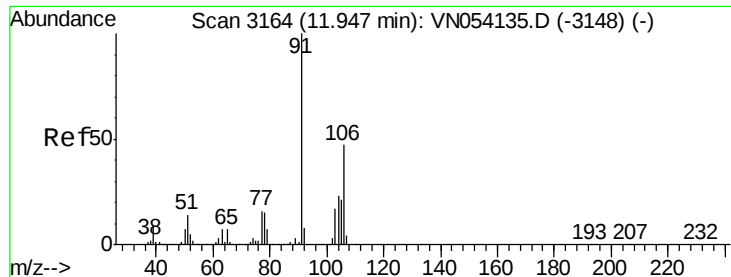
Tot Ion: 91 Resp: 1484956
Ion Ratio Lower Upper
91 100
106 32.2 24.6 36.8



#68
m/p-Xylenes
Concen: 37.546 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

Tgt Ion: 106 Resp: 1167480
Ion Ratio Lower Upper
106 100
91 200.7 163.2 244.8

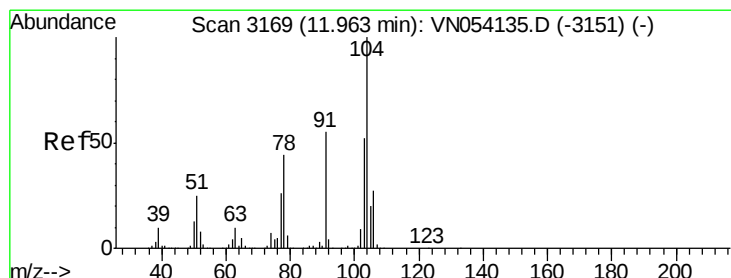
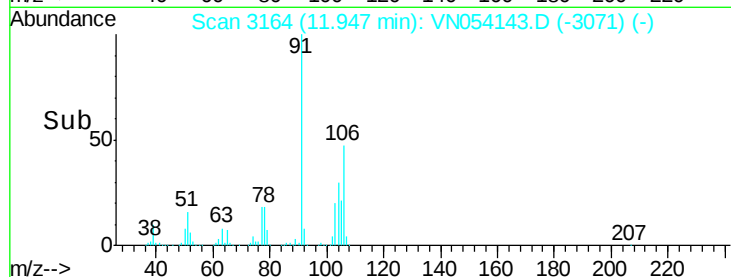
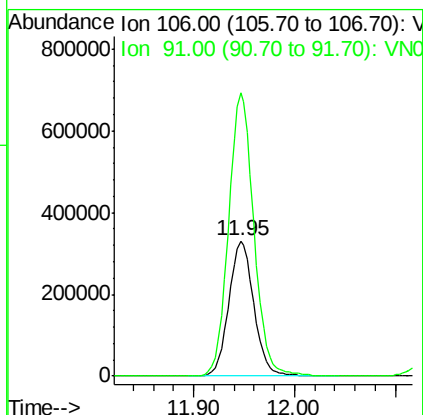
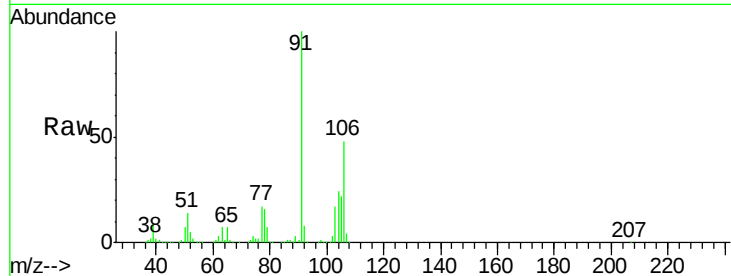




#69
o-Xylene
Concen: 18.770 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

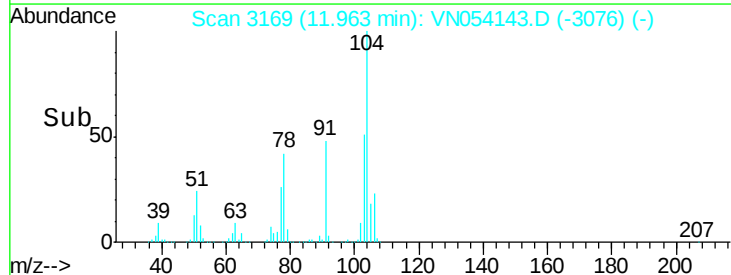
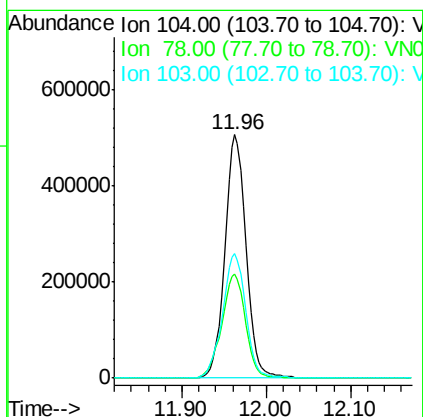
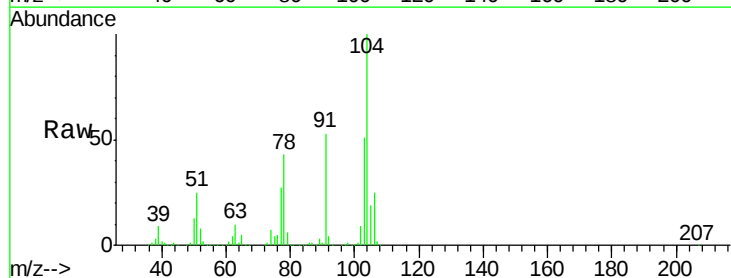
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

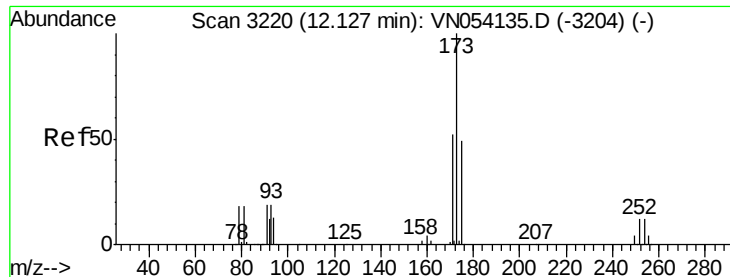
Tot Ion:106 Resp: 572915
Ion Ratio Lower Upper
106 100
91 210.6 107.1 321.3



#70
Styrene
Concen: 18.674 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

Tgt Ion:104 Resp: 882922
Ion Ratio Lower Upper
104 100
78 47.9 39.4 59.0
103 56.1 44.7 67.1





#71

Bromoform

Concen: 17.748 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

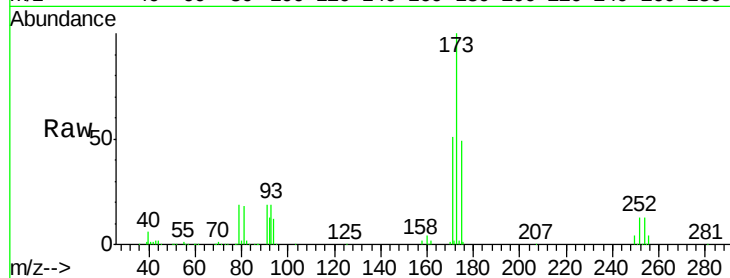
Tot Ion:173 Resp: 221343

Ion Ratio Lower Upper

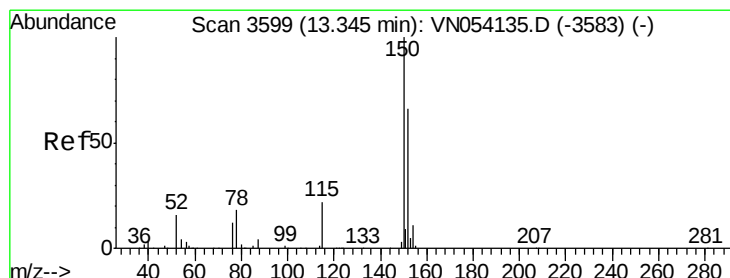
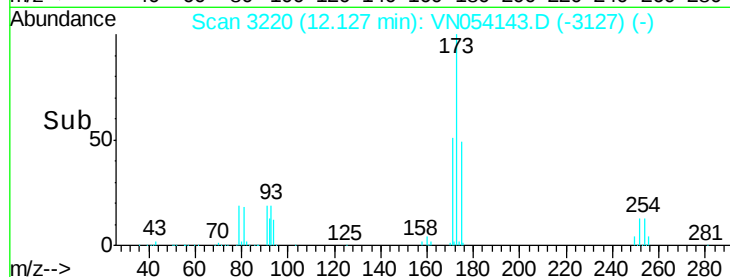
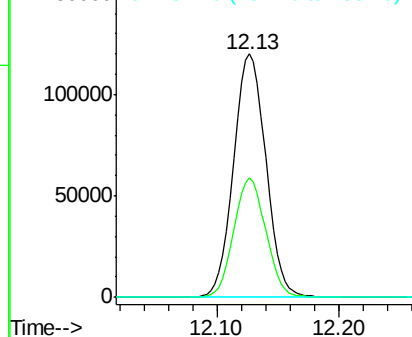
173 100

175 48.6 24.1 72.2

254 0.1 0.0 0.0#



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: VN054143.D

Acq: 11 Mar 2019 16:13

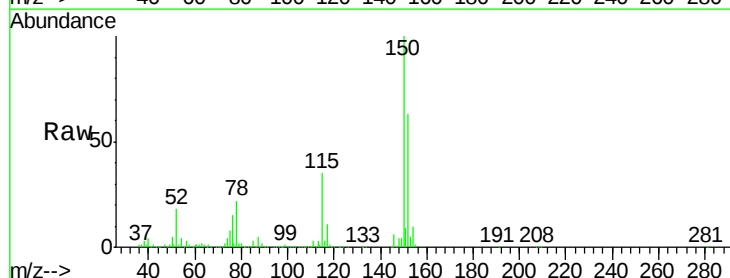
Tgt Ion:152 Resp: 1024741

Ion Ratio Lower Upper

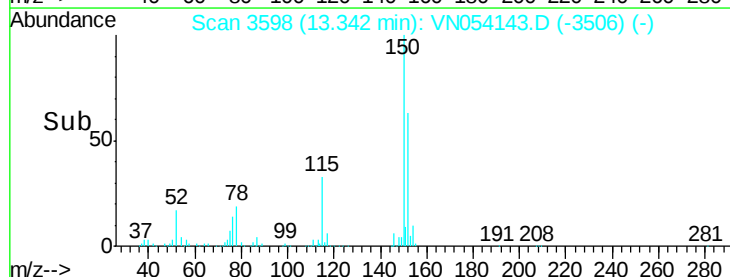
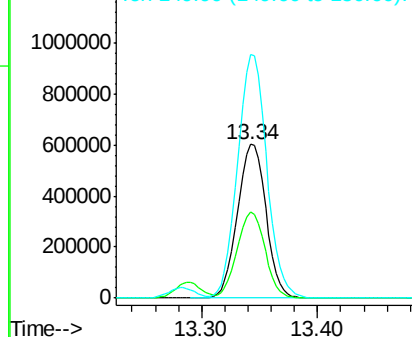
152 100

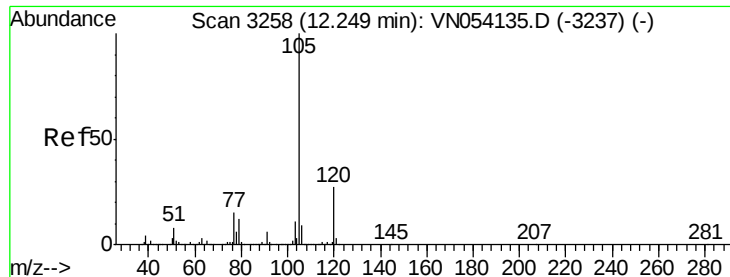
115 55.1 28.5 85.6

150 162.4 0.0 343.2



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: 19.018 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

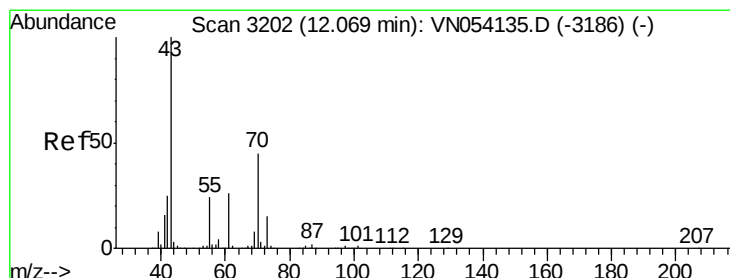
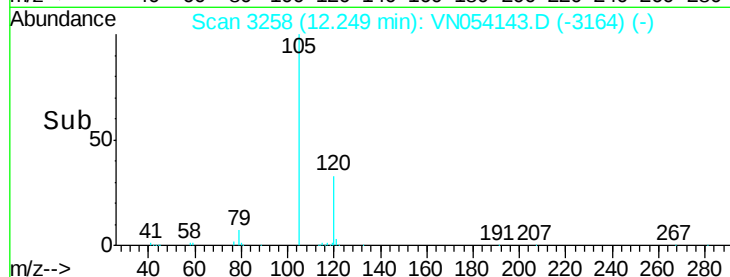
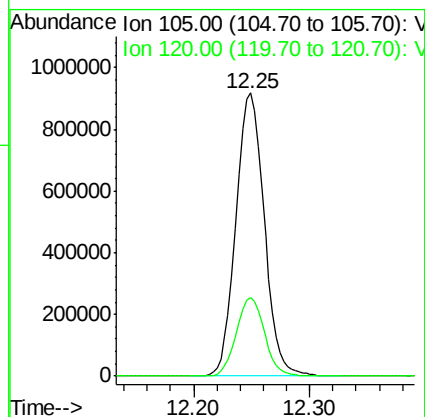
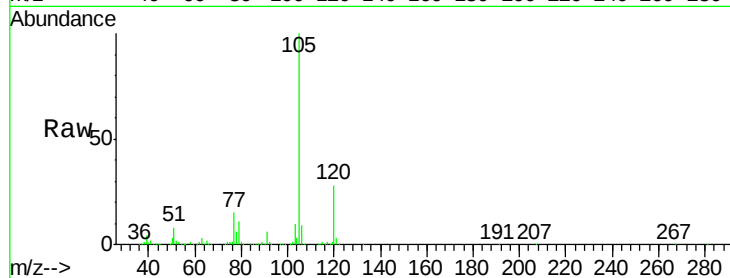
VN0311WBS01

Tot Ion:105 Resp: 1550056

Ion Ratio Lower Upper

105 100

120 27.6 13.3 39.8



#74

N-ethyl acetate

Concen: 16.628 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Tgt Ion: 43 Resp: 308683

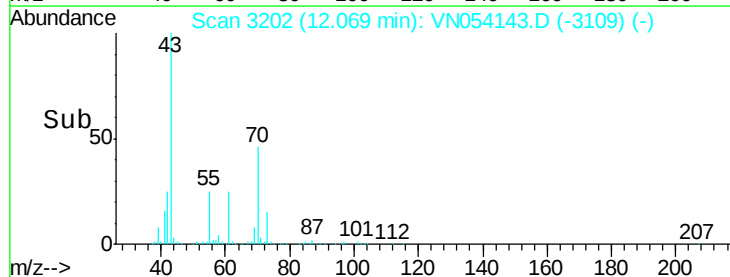
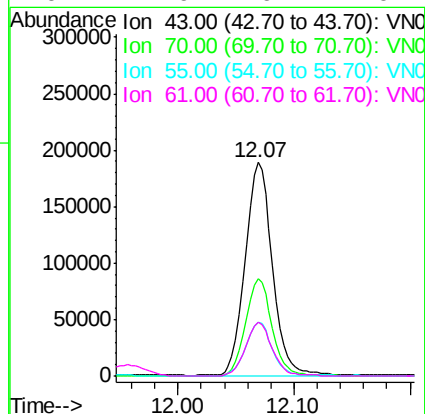
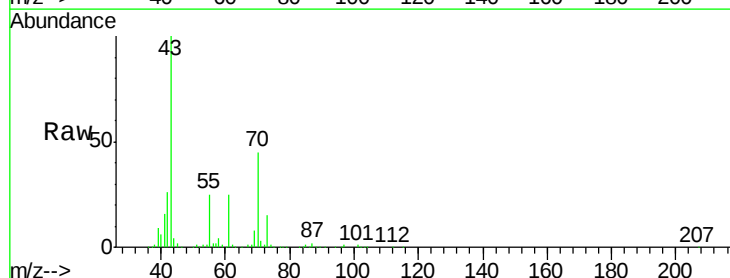
Ion Ratio Lower Upper

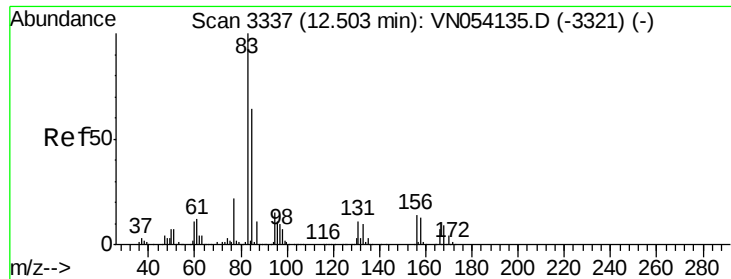
43 100

70 44.5 33.6 50.4

55 24.5 20.6 31.0

61 24.9 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.731 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

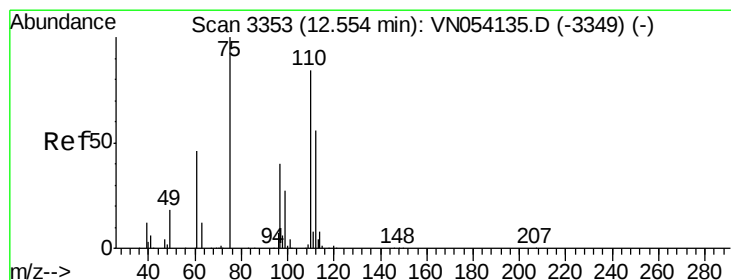
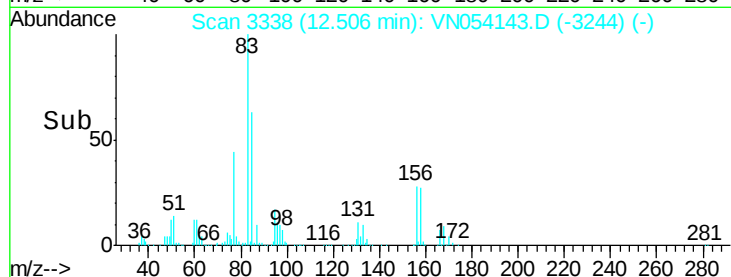
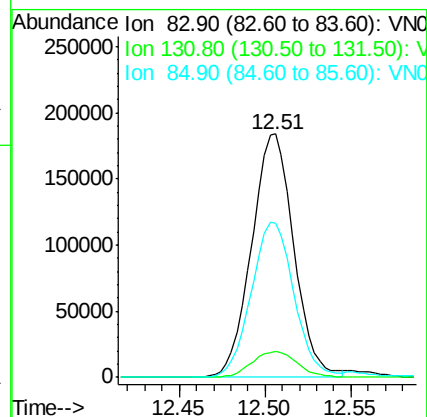
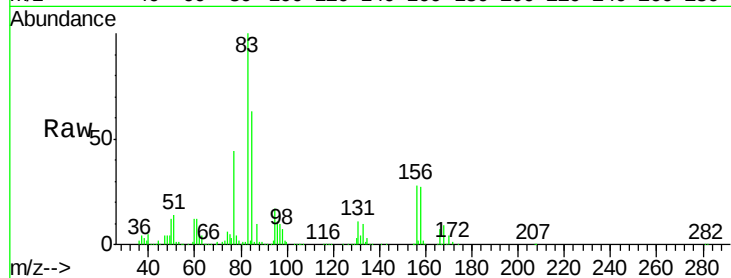
Tot Ion: 83 Resp: 312737

Ion Ratio Lower Upper

83 100

131 11.5 5.0 14.9

85 64.5 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 27.082 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054143.D

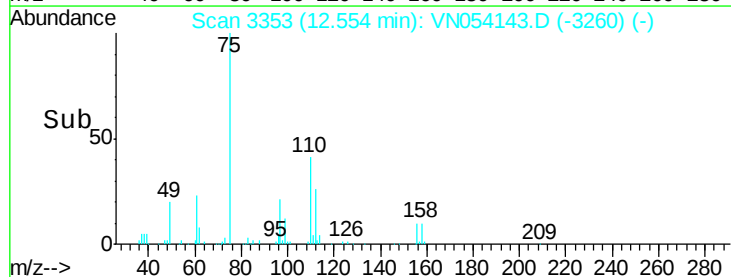
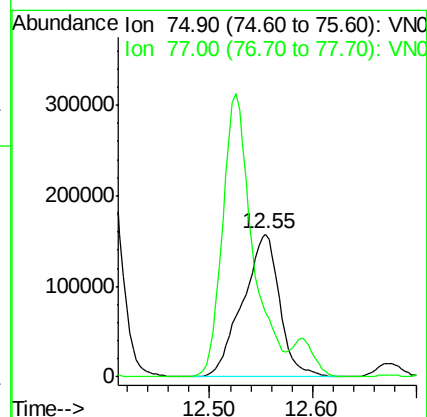
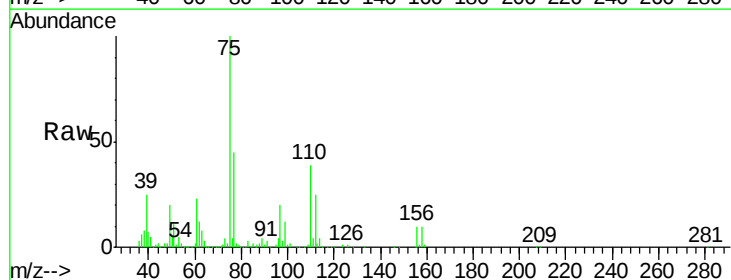
Acq: 11 Mar 2019 16:13

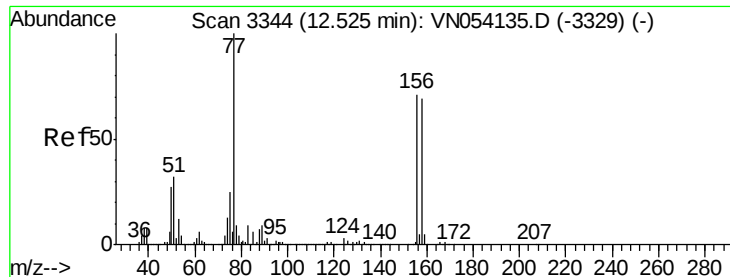
Tgt Ion: 75 Resp: 391912

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.326 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

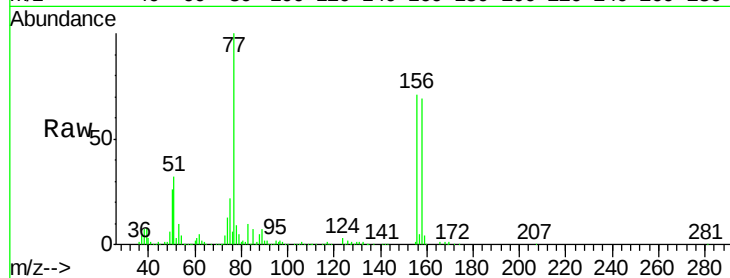
Tot Ion:156 Resp: 388797

Ion Ratio Lower Upper

156 100

77 162.8 93.6 280.8

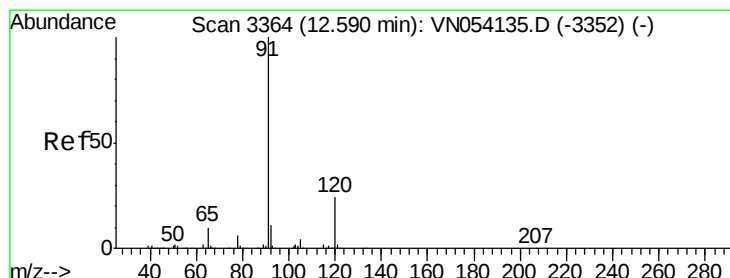
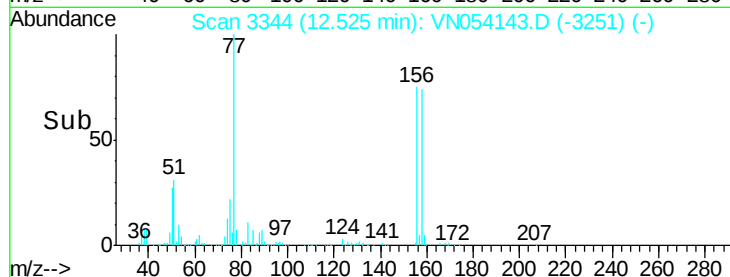
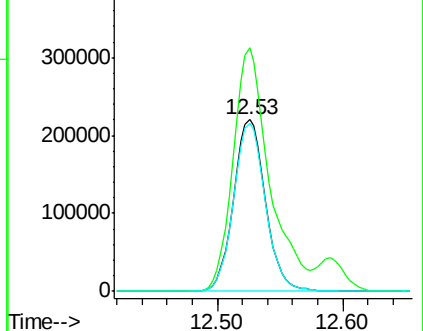
158 98.0 48.4 145.0



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: 19.089 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054143.D

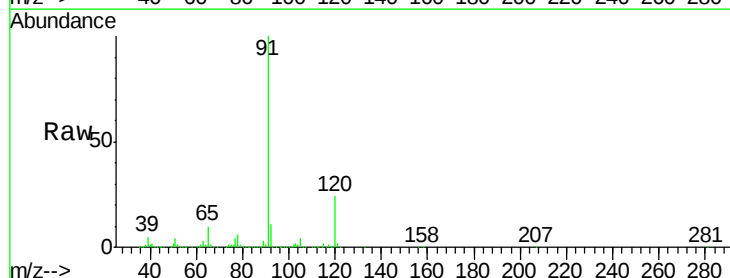
Acq: 11 Mar 2019 16:13

Tgt Ion: 91 Resp: 1664936

Ion Ratio Lower Upper

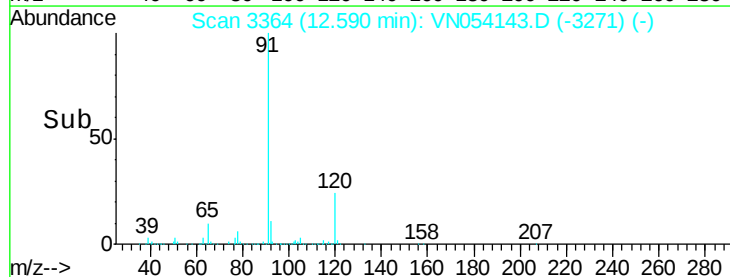
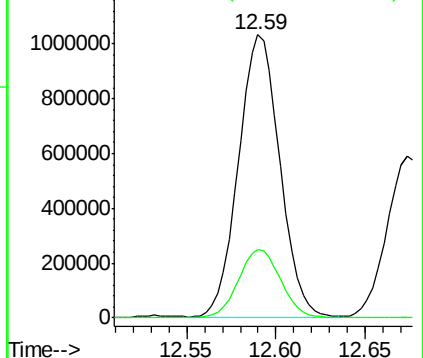
91 100

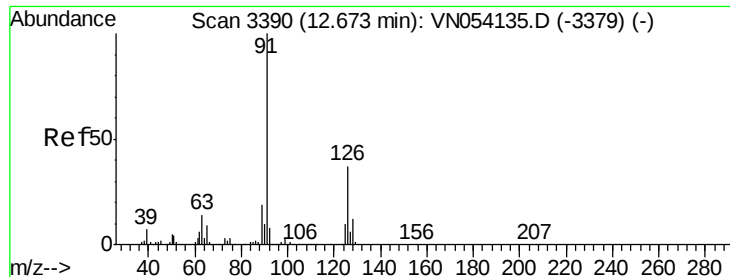
120 24.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.590 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

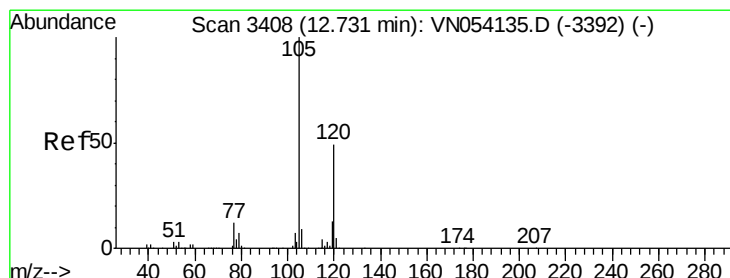
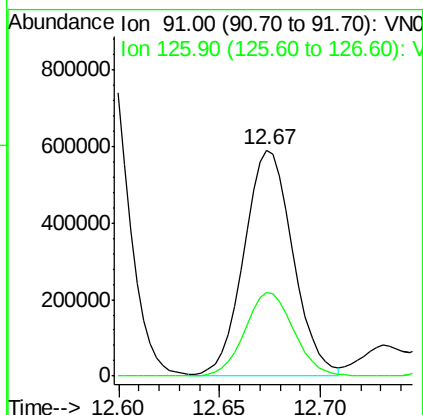
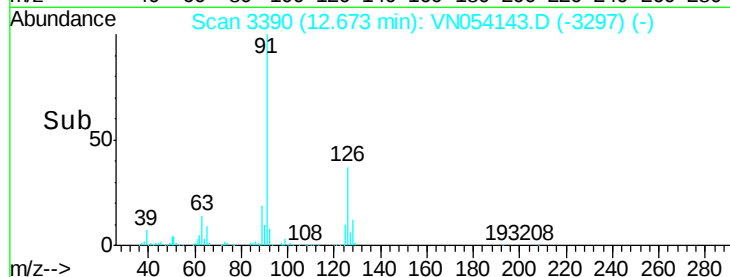
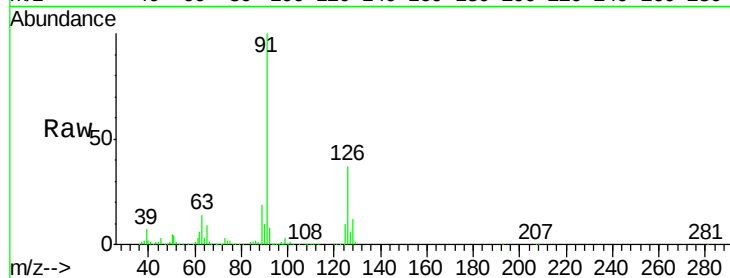
VN0311WBS01

Tot Ion: 91 Resp: 992500

Ion Ratio Lower Upper

91 100

126 37.4 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 18.821 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054143.D

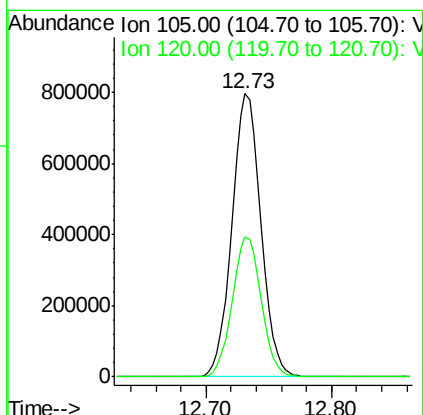
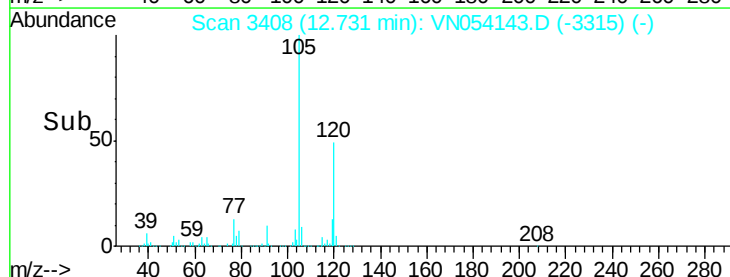
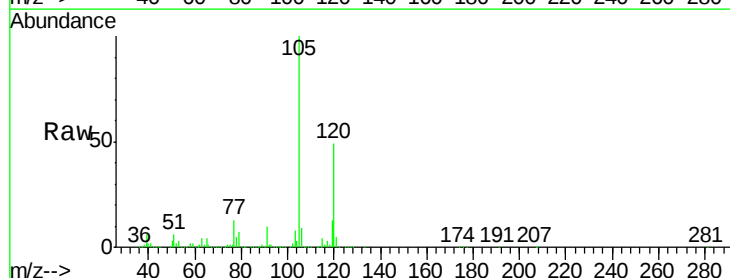
Acq: 11 Mar 2019 16:13

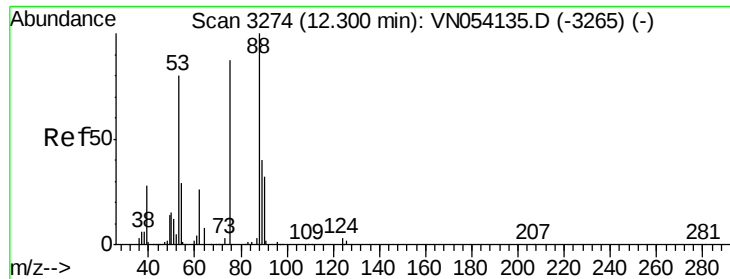
Tgt Ion:105 Resp: 1271631

Ion Ratio Lower Upper

105 100

120 49.6 24.6 73.8

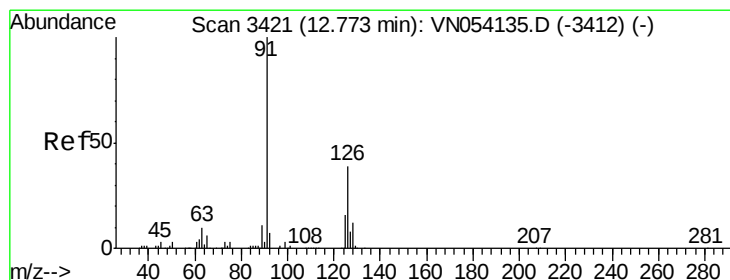
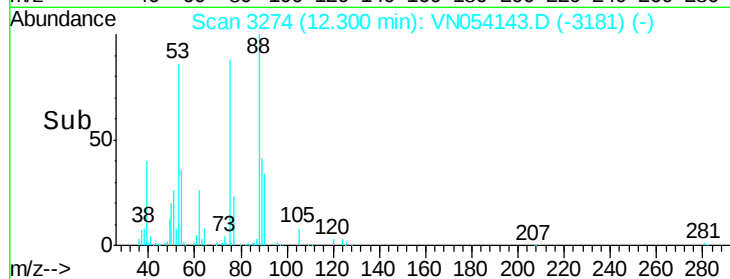
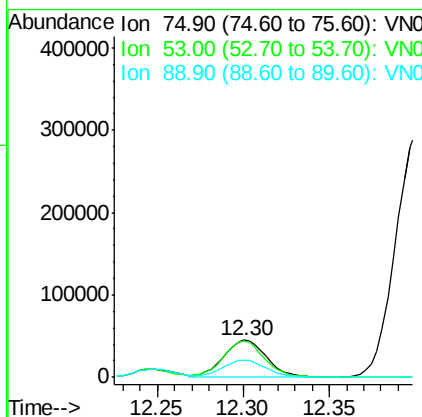
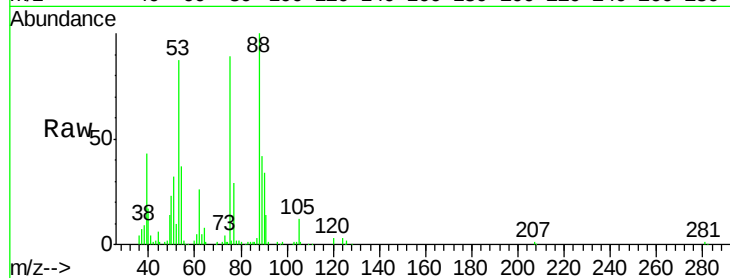




#81
trans-1,4-Dichloro-2-butene
Concen: 15.733 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

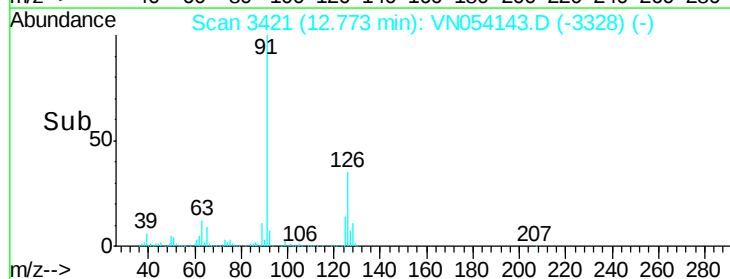
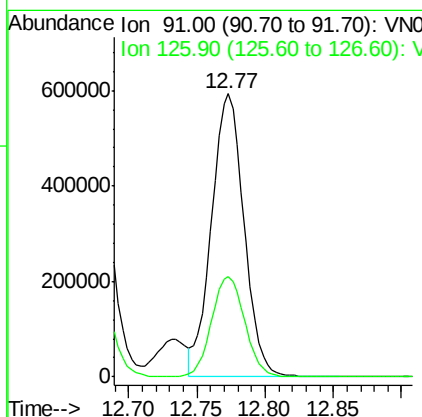
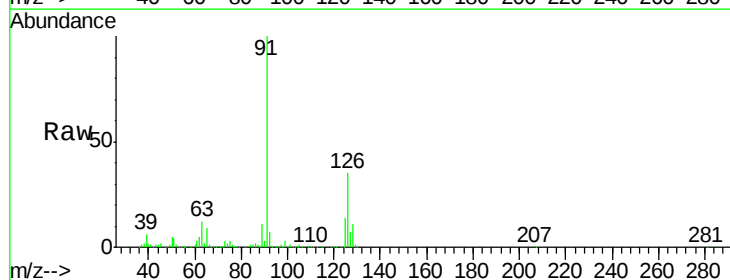
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

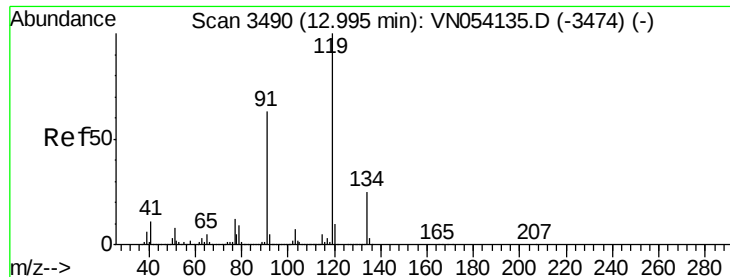
Tot Ion: 75 Resp: 76483
Ion Ratio Lower Upper
75 100
53 99.1 76.4 114.6
89 47.7 35.3 52.9



#82
4-Chlorotoluene
Concen: 18.811 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

Tgt Ion: 91 Resp: 979123
Ion Ratio Lower Upper
91 100
126 36.2 17.1 51.3

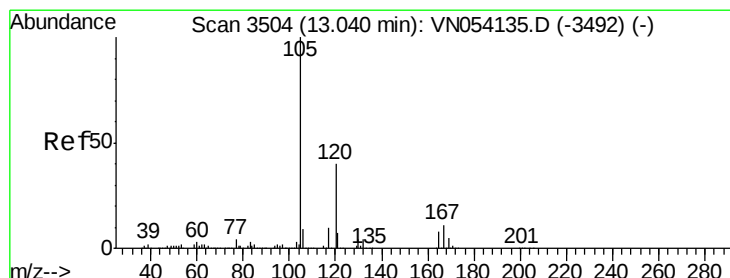
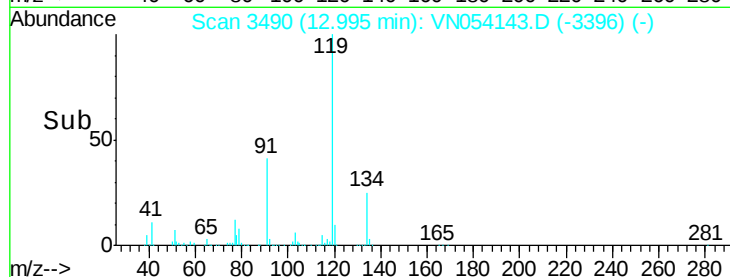
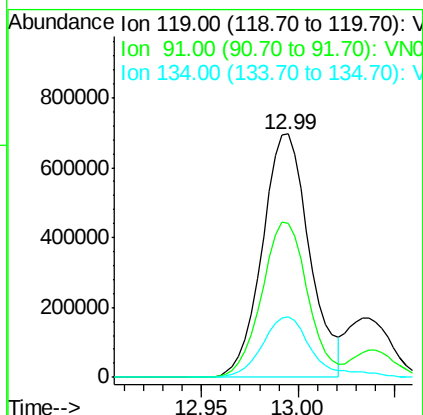
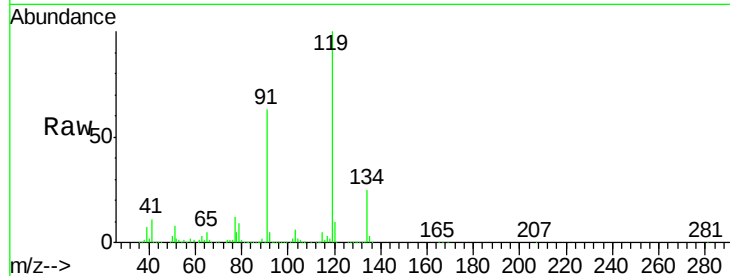




#83
 tert-Butylbenzene
 Concen: 18.996 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054143.D
 Acq: 11 Mar 2019 16:13

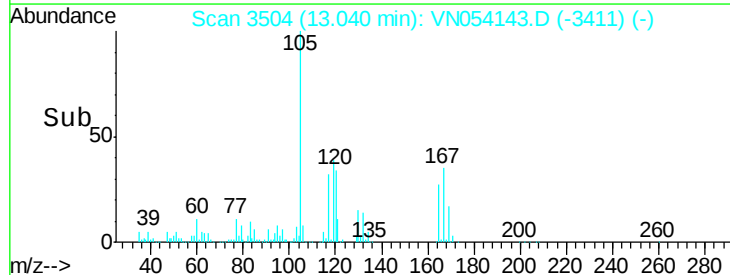
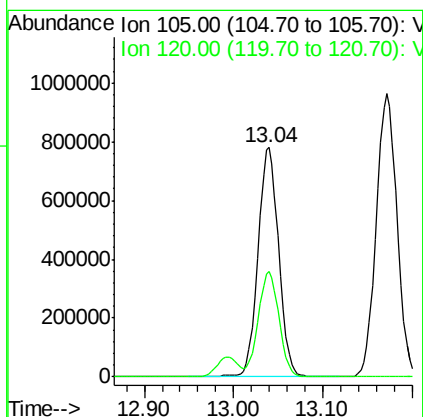
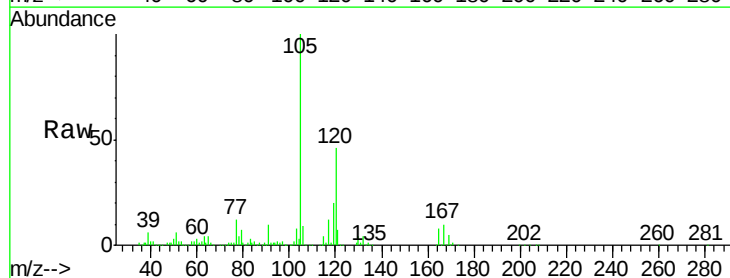
Instrument :
 MSVOA_N
 ClientSampled :
 VN0311WBS01

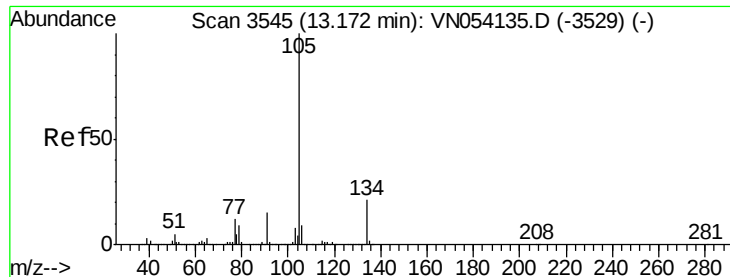
Tot Ion:119 Resp: 1185324
 Ion Ratio Lower Upper
 119 100
 91 61.9 31.8 95.3
 134 26.2 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 19.091 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054143.D
 Acq: 11 Mar 2019 16:13

Tgt Ion:105 Resp: 1263067
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.6 67.7





#85

sec-Butylbenzene

Concen: 19.098 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

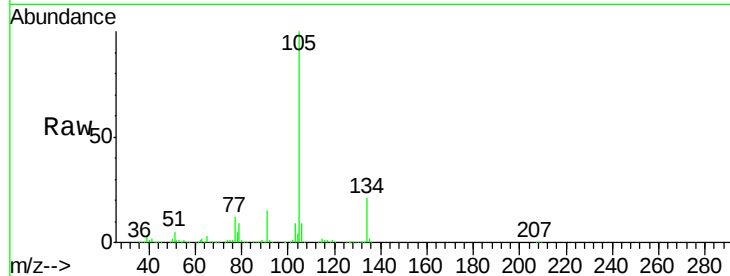
VN0311WBS01

Tot Ion:105 Resp: 1544163

Ion Ratio Lower Upper

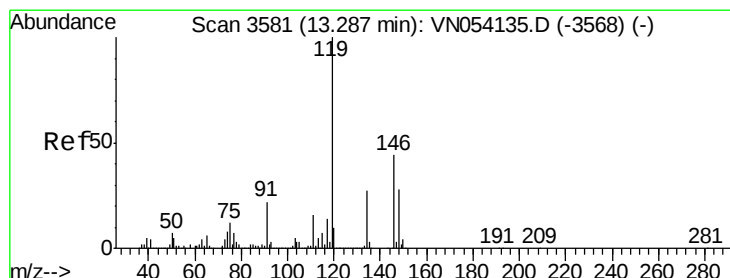
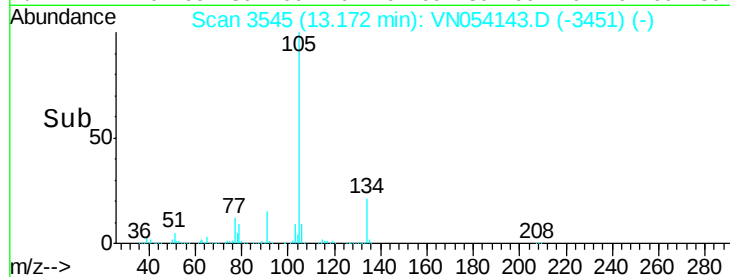
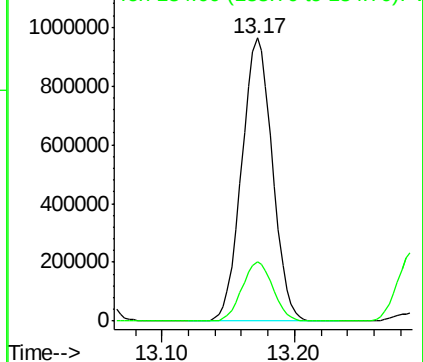
105 100

134 21.1 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.020 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

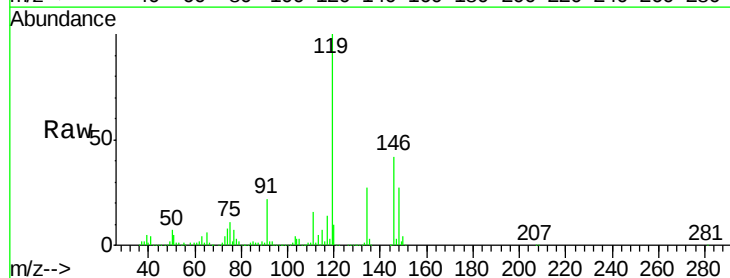
Tgt Ion:119 Resp: 1341877

Ion Ratio Lower Upper

119 100

134 27.0 13.2 39.5

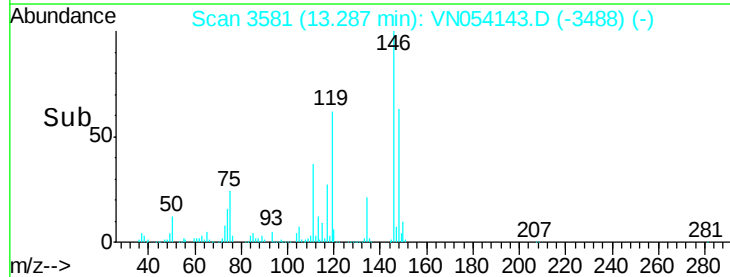
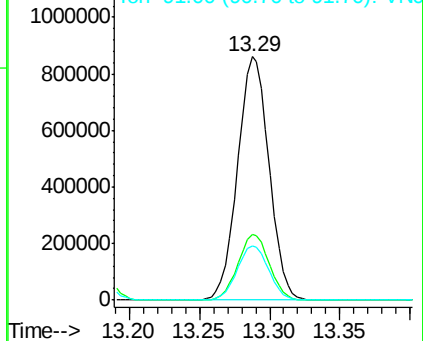
91 22.5 11.4 34.2

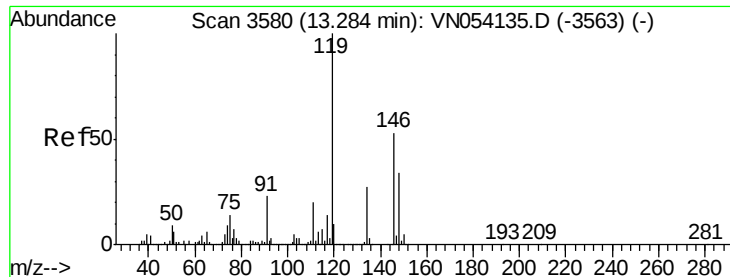


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.609 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VN0311WBS01

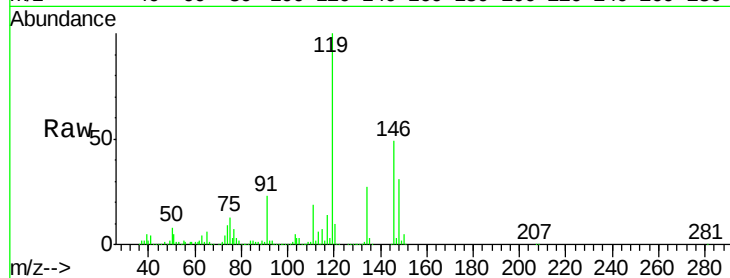
Tot Ion:146 Resp: 659733

Ion Ratio Lower Upper

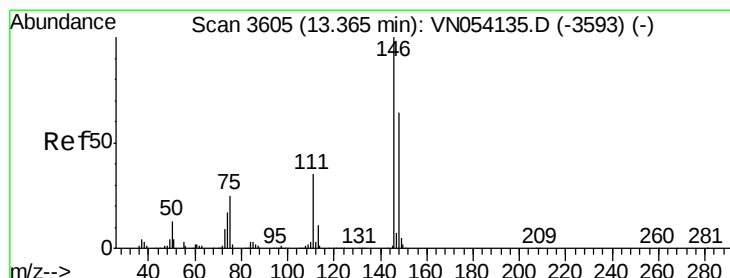
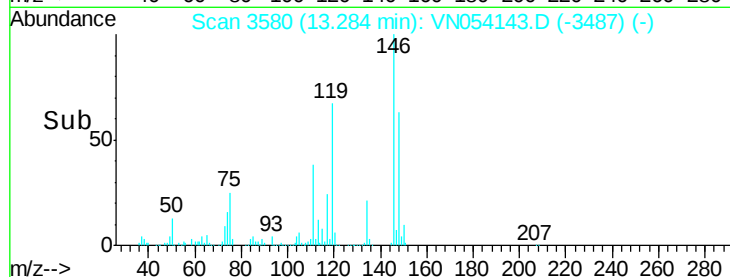
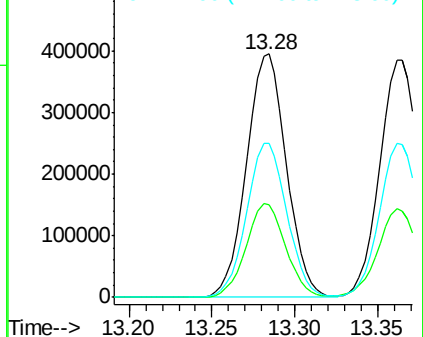
146 100

111 38.1 19.3 57.8

148 63.9 32.4 97.0



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



#88

1,4-Dichlorobenzene

Concen: 18.408 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

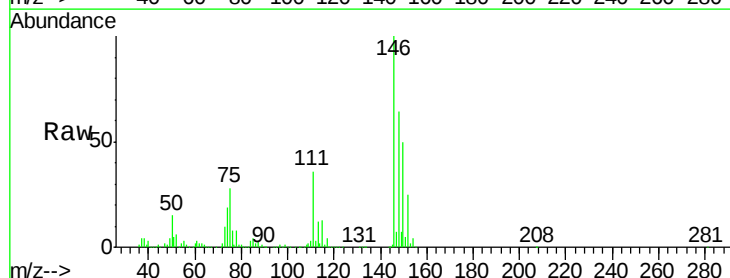
Tgt Ion:146 Resp: 644399

Ion Ratio Lower Upper

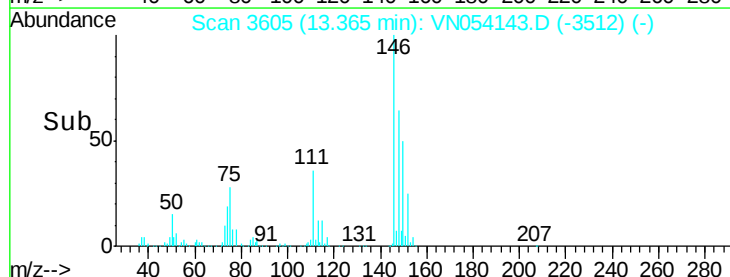
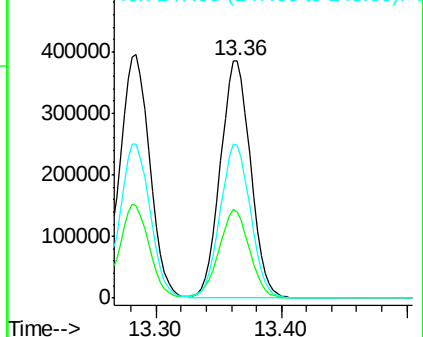
146 100

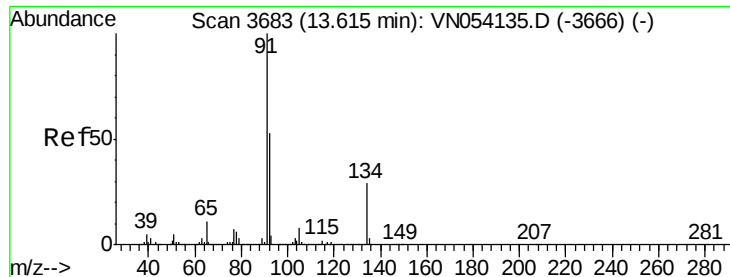
111 37.8 18.9 56.5

148 65.0 32.1 96.5



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

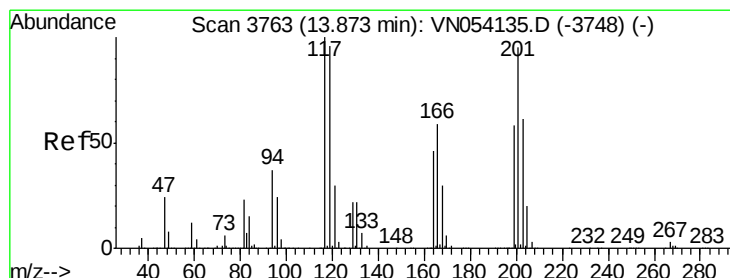
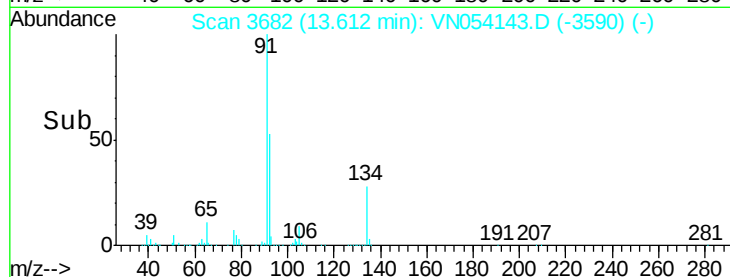
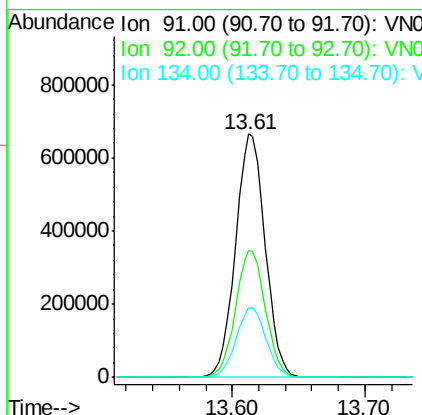
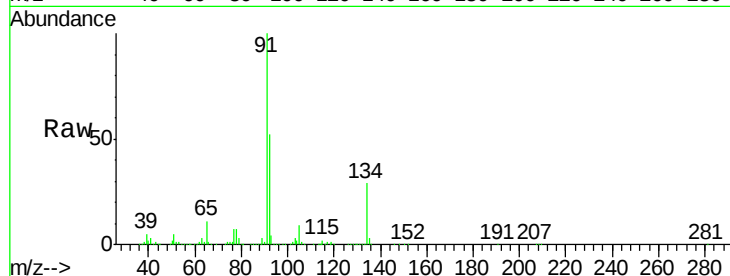




#89
n-Butylbenzene
Concen: 18.979 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

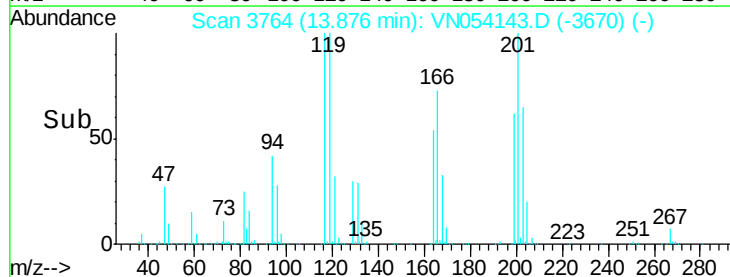
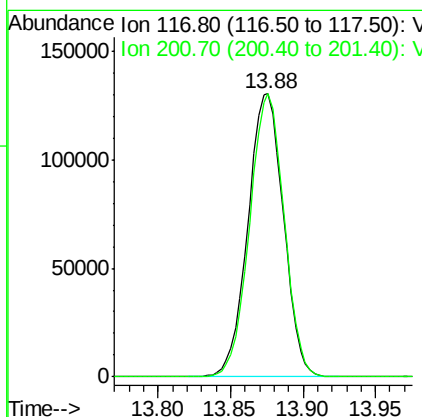
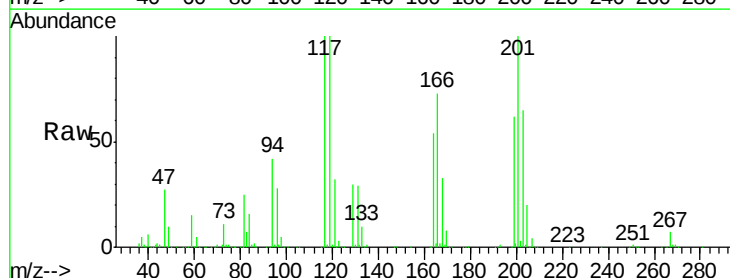
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

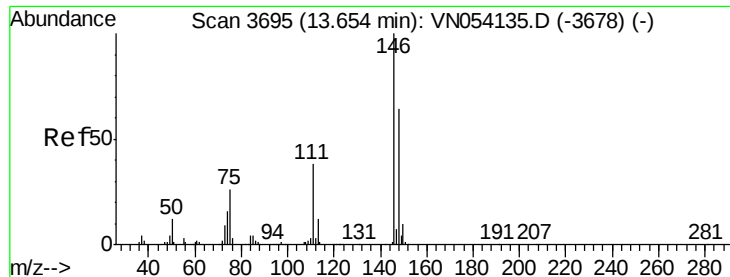
Tot Ion: 91 Resp: 1026908
Ion Ratio Lower Upper
91 100
92 52.5 26.0 78.0
134 28.8 13.1 39.1



#90
Hexachloroethane
Concen: 17.670 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054143.D
Acq: 11 Mar 2019 16:13

Tgt Ion: 117 Resp: 222616
Ion Ratio Lower Upper
117 100
201 97.0 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 18.584 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VN0311WBS01

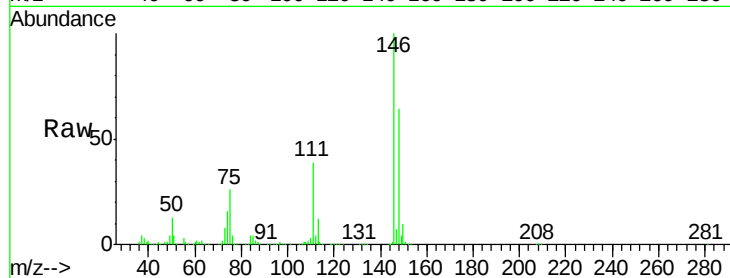
Tot Ion:146 Resp: 646867

Ion Ratio Lower Upper

146 100

111 38.6 20.0 60.0

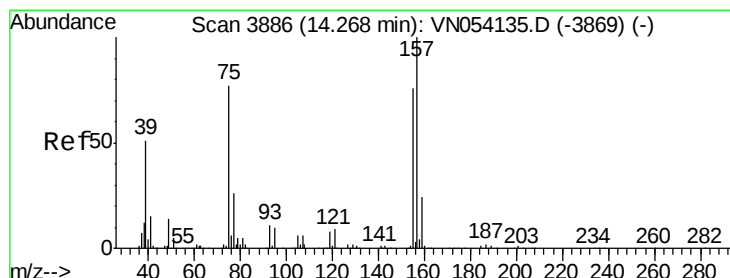
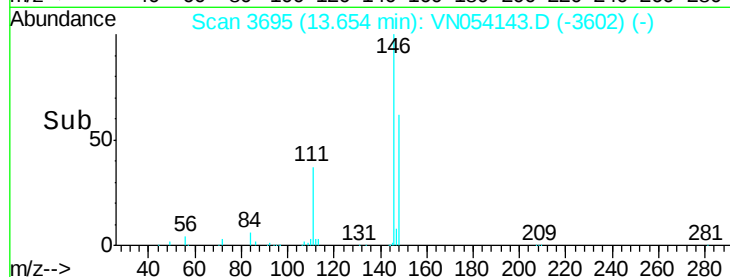
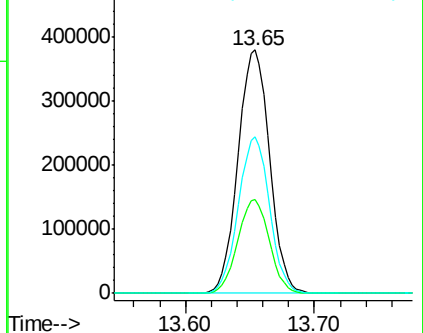
148 63.5 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.777 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

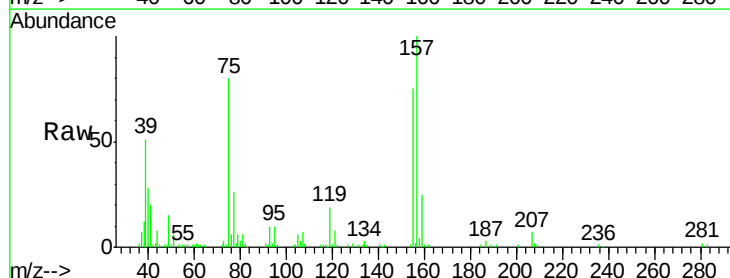
Tgt Ion: 75 Resp: 47913

Ion Ratio Lower Upper

75 100

155 96.5 44.5 133.5

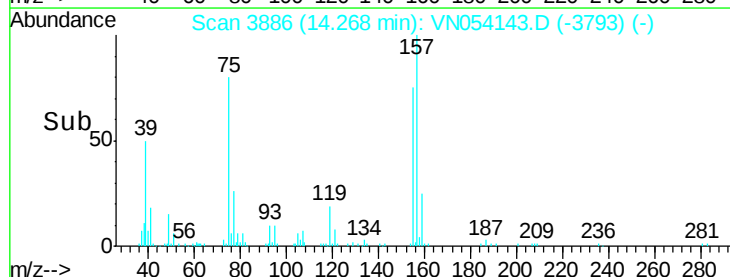
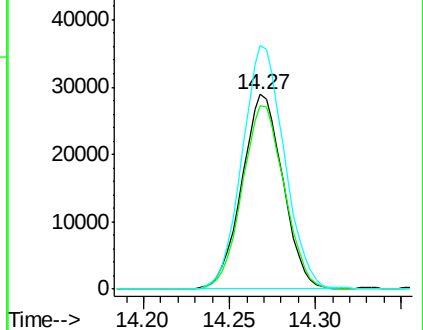
157 128.6 57.2 171.6

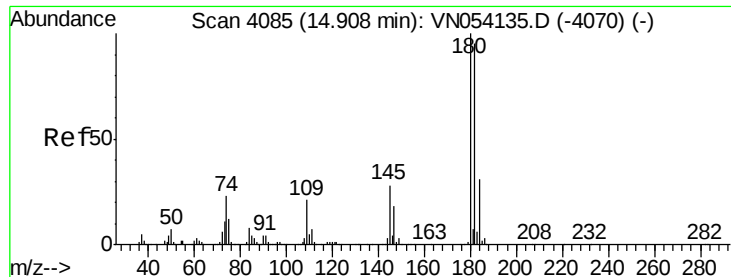


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.619 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VN0311WBS01

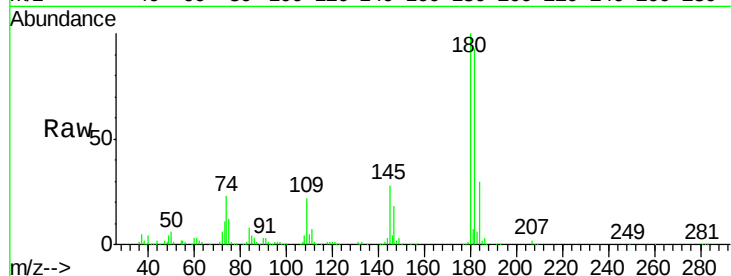
Tot Ion:180 Resp: 336177

Ion Ratio Lower Upper

180 100

182 94.8 48.1 144.3

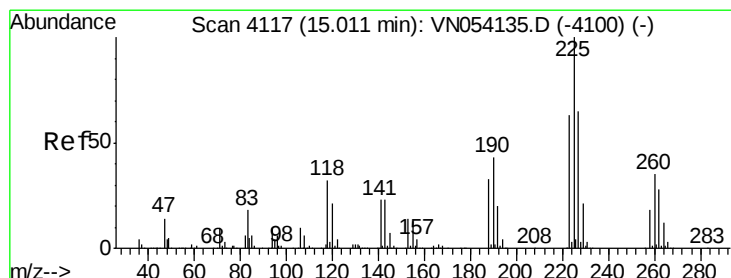
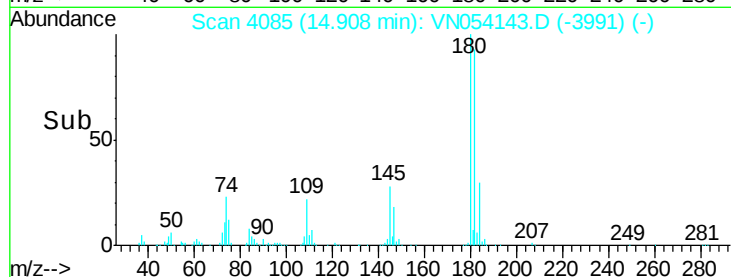
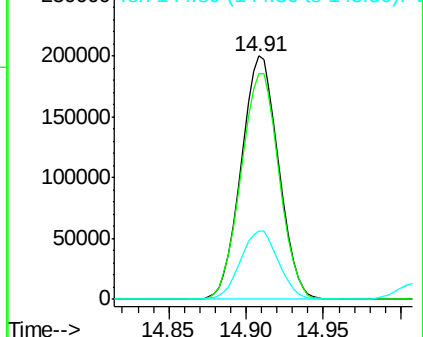
145 28.7 13.9 41.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.618 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

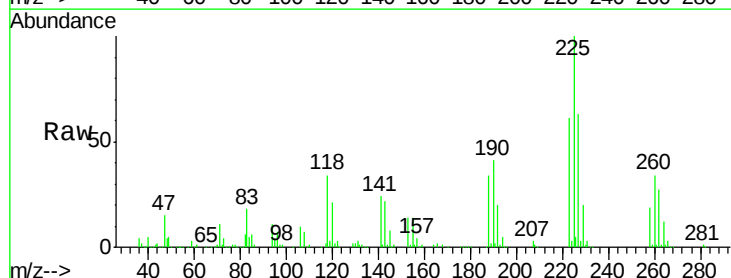
Tgt Ion:225 Resp: 270070

Ion Ratio Lower Upper

225 100

223 61.3 31.2 93.6

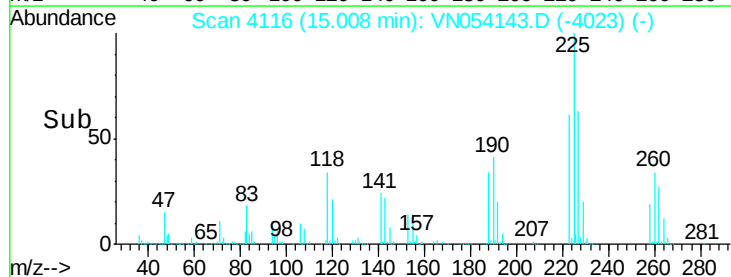
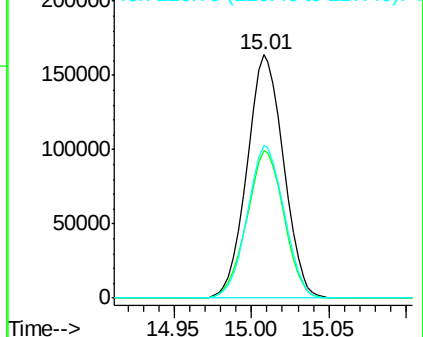
227 63.3 31.9 95.7

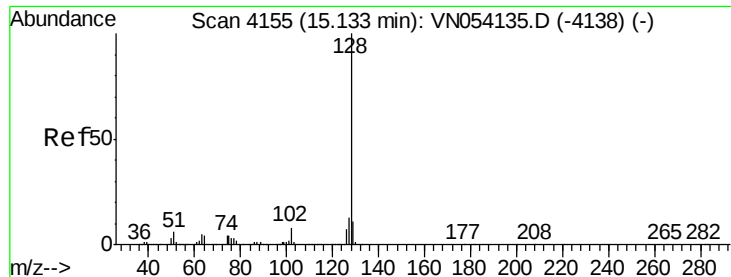


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.533 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

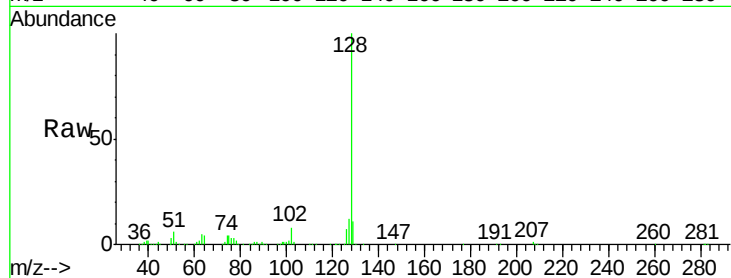
Tot Ion:128 Resp: 633349

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

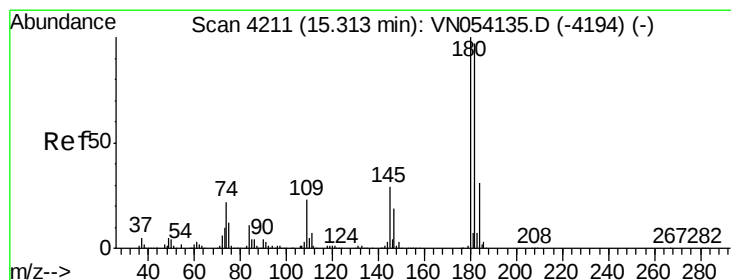
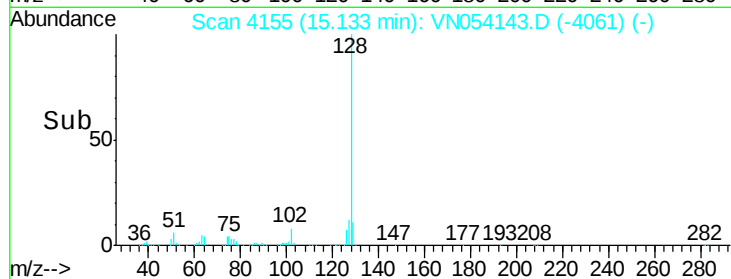
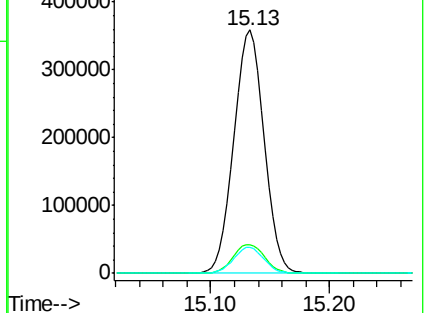
129 10.8 8.6 12.8



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: 18.616 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054143.D

Acq: 11 Mar 2019 16:13

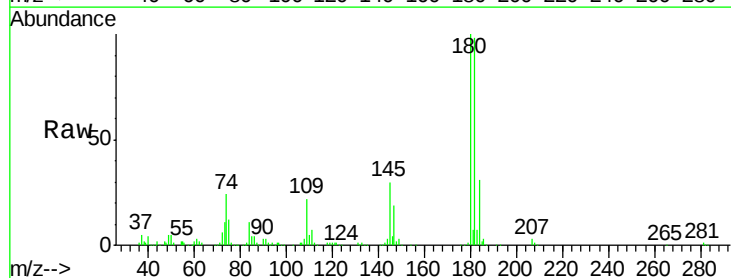
Tgt Ion:180 Resp: 340574

Ion Ratio Lower Upper

180 100

182 97.3 47.9 143.7

145 30.1 14.9 44.5



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

